

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
 Data File : BF141429.D
 Acq On : 05 Feb 2025 00:22
 Operator : RC/JU
 Sample : Q1280-01MSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

72-11984MSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025

Quant Time: Feb 05 02:11:26 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jan 29 17:41:25 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.786	152	84554	20.000	ng	-0.02
21) Naphthalene-d8	8.075	136	333021	20.000	ng	#-0.01
39) Acenaphthene-d10	9.827	164	178834	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	279889	20.000	ng	-0.01
76) Chrysene-d12	13.962	240	182626	20.000	ng	#-0.01
86) Perylene-d12	15.415	264	177800	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	595756	108.168	ng	0.00
7) Phenol-d6	6.434	99	728817	104.021	ng	0.00
23) Nitrobenzene-d5	7.357	82	488197	77.281	ng	-0.01
42) 2,4,6-Tribromophenol	10.621	330	189068	115.321	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	861061	74.110	ng	-0.01
79) Terphenyl-d14	12.904	244	763709	64.491	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.569	88	93395	38.557	ng	97
3) Pyridine	3.293	79	206465	35.377	ng	96
4) n-Nitrosodimethylamine	3.245	42	148628	44.580	ng	83
6) Aniline	6.451	93	128145	21.606	ng	# 1
8) 2-Chlorophenol	6.581	128	254348	43.086	ng	96
9) Benzaldehyde	6.339	77	175027	43.127	ng	99
10) Phenol	6.445	94	306001	41.200	ng	77
11) bis(2-Chloroethyl)ether	6.528	93	231609	40.671	ng	97
12) 1,3-Dichlorobenzene	6.728	146	270977	41.631	ng	98
13) 1,4-Dichlorobenzene	6.804	146	275327	42.106	ng	99
14) 1,2-Dichlorobenzene	6.957	146	262451	42.864	ng	99
15) Benzyl Alcohol	6.933	79	227659	47.546	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.069	45	395365	39.925	ng	78
17) 2-Methylphenol	7.057	107	199470	41.575	ng	# 88
18) Hexachloroethane	7.298	117	102651	42.554	ng	98
19) n-Nitroso-di-n-propyla...	7.204	70	181331	43.555	ng	99
20) 3+4-Methylphenols	7.210	107	257724	43.749	ng	# 90
22) Acetophenone	7.198	105	397999	50.279	ng	# 97
24) Nitrobenzene	7.375	77	272466	41.620	ng	99
25) Isophorone	7.610	82	479312	43.893	ng	98
26) 2-Nitrophenol	7.692	139	133938	43.381	ng	97
27) 2,4-Dimethylphenol	7.733	122	212488m	54.071	ng	
28) bis(2-Chloroethoxy)met...	7.822	93	292603	42.008	ng	98
29) 2,4-Dichlorophenol	7.939	162	208984	43.439	ng	100
30) 1,2,4-Trichlorobenzene	8.016	180	230343	41.924	ng	99
31) Naphthalene	8.098	128	1072213	60.947	ng	99
32) Benzoic acid	7.857	122	156334	43.275	ng	95
33) 4-Chloroaniline	8.145	127	46766	7.839	ng	98
34) Hexachlorobutadiene	8.210	225	144325	44.793	ng	99
35) Caprolactam	8.516	113	70876m	45.109	ng	
36) 4-Chloro-3-methylphenol	8.639	107	232982	45.147	ng	95
37) 2-Methylnaphthalene	8.786	142	735591	65.786	ng	99
38) 1-Methylnaphthalene	8.886	142	583648	53.137	ng	100
40) 1,2,4,5-Tetrachloroben...	8.951	216	254322	49.988	ng	99
41) Hexachlorocyclopentadiene	8.939	237	178167	118.579	ng	99
43) 2,4,6-Trichlorophenol	9.069	196	148619	44.630	ng	99

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Quant Time: Feb 05 02:11:26 2025
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	156413	43.156	ng	97
46) 1,1'-Biphenyl	9.251	154	739826	53.046	ng	99
47) 2-Chloronaphthalene	9.275	162	455594	41.910	ng	99
48) 2-Nitroaniline	9.374	65	154176	45.090	ng	97
49) Acenaphthylene	9.692	152	693470	45.571	ng	99
50) Dimethylphthalate	9.557	163	545241	45.142	ng	99
51) 2,6-Dinitrotoluene	9.616	165	117297	41.825	ng	93
52) Acenaphthene	9.863	154	767390	70.589	ng	100
53) 3-Nitroaniline	9.786	138	54591	19.861	ng	95
54) 2,4-Dinitrophenol	9.892	184	94115	72.192	ng	87
55) Dibenzofuran	10.039	168	866265	59.530	ng	97
56) 4-Nitrophenol	9.969	139	191999	95.512	ng	89
57) 2,4-Dinitrotoluene	10.022	165	157856	43.475	ng	90
58) Fluorene	10.380	166	697621	61.805	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.157	232	133706	46.892	ng	99
60) Diethylphthalate	10.257	149	529025	45.172	ng	99
61) 4-Chlorophenyl-phenyle...	10.374	204	242983	44.070	ng	98
62) 4-Nitroaniline	10.398	138	108779	40.254	ng	89
63) Azobenzene	10.533	77	600365	51.213	ng	89
65) 4,6-Dinitro-2-methylph...	10.427	198	64626	39.036	ng	90
66) n-Nitrosodiphenylamine	10.492	169	431572	47.674	ng	98
67) 4-Bromophenyl-phenylether	10.863	248	151678	48.406	ng	98
68) Hexachlorobenzene	10.927	284	151574	45.602	ng	99
69) Atrazine	11.021	200	161551	53.375	ng	99
70) Pentachlorophenol	11.127	266	191758	98.521	ng	99
71) Phenanthrene	11.345	178	1367014	90.861	ng	100
72) Anthracene	11.398	178	813707	55.198	ng	99
73) Carbazole	11.551	167	634916	48.572	ng	98
74) Di-n-butylphthalate	11.880	149	791767	49.981	ng	99
75) Fluoranthene	12.533	202	939512	63.244	ng	98
77) Benzidine	12.657	184	208275	35.574	ng	99
78) Pyrene	12.763	202	853725	48.700	ng	100
80) Butylbenzylphthalate	13.380	149	277318	45.281	ng	99
81) Benzo(a)anthracene	13.951	228	595931	47.288	ng	99
82) 3,3'-Dichlorobenzidine	13.915	252	102106	25.475	ng	98
83) Chrysene	13.986	228	543641	47.070	ng	100
84) Bis(2-ethylhexyl)phtha...	13.939	149	370220	47.653	ng	99
85) Di-n-octyl phthalate	14.562	149	621606	51.514	ng	100
87) Indeno(1,2,3-cd)pyrene	16.856	276	432599	37.697	ng	95
88) Benzo(b)fluoranthene	14.998	252	564760	50.497	ng	98
89) Benzo(k)fluoranthene	15.027	252	489115	49.367	ng	98
90) Benzo(a)pyrene	15.356	252	478663	50.646	ng	98
91) Dibenzo(a,h)anthracene	16.874	278	349979	37.907	ng	97
92) Benzo(g,h,i)perylene	17.292	276	313335	32.639	ng	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

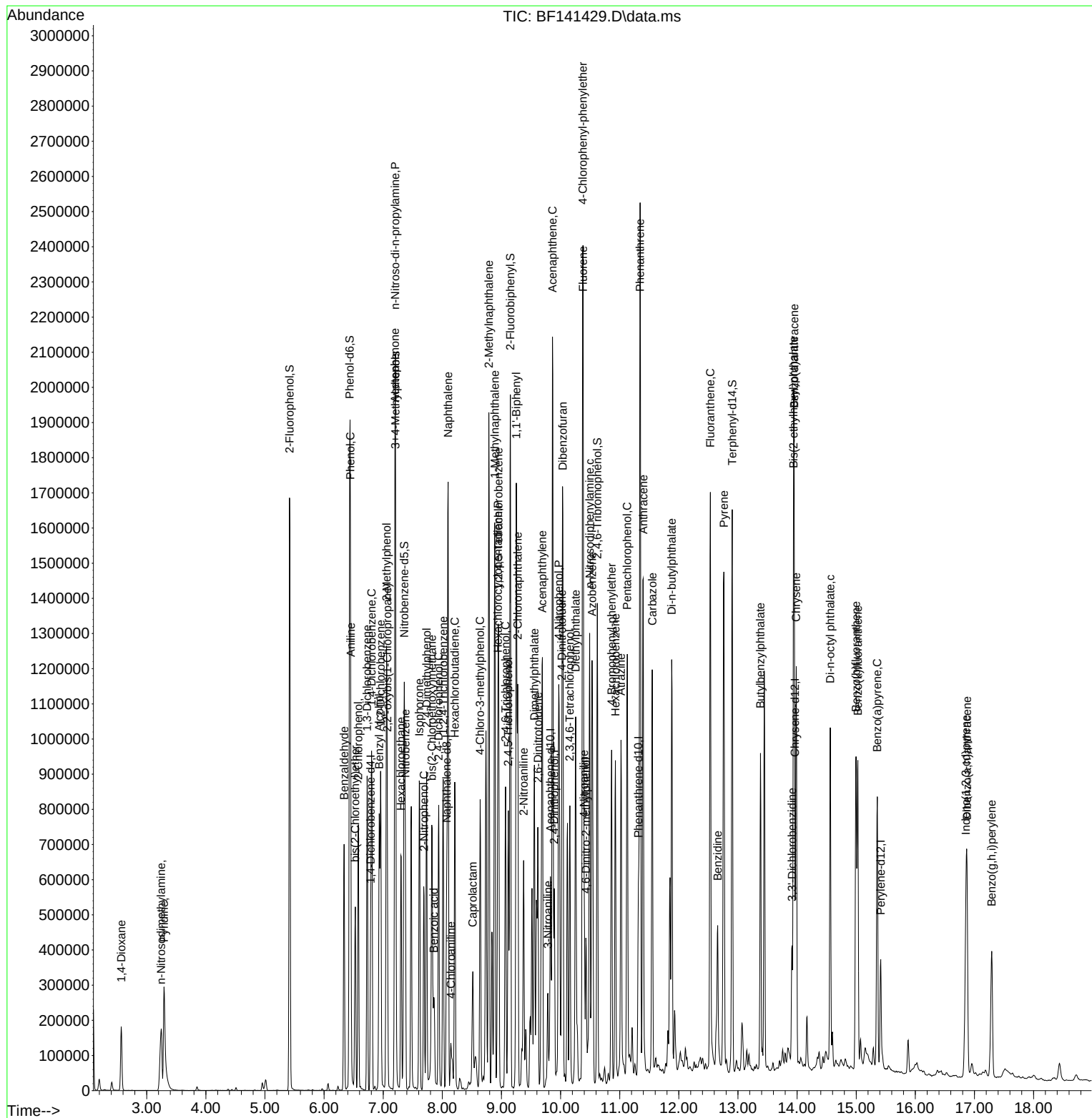
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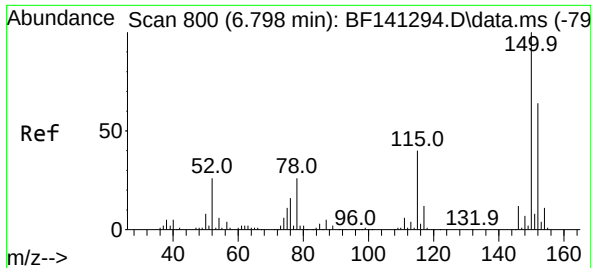
Instrument :
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Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/05/2025
 Supervised By :mohammad ahmed 02/05/2025

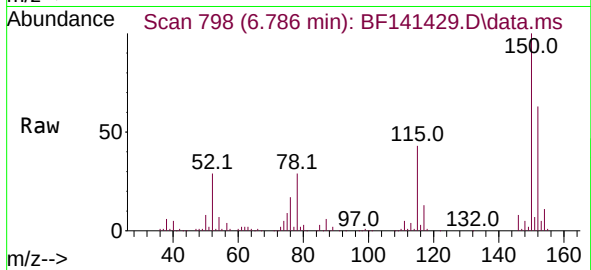
Quant Time: Feb 05 02:11:26 2025
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#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.786 min Scan# 79
 Delta R.T. -0.018 min
 Lab File: BF141429.D
 Acq: 05 Feb 2025 00:22

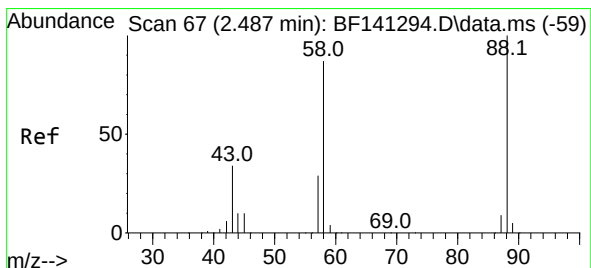
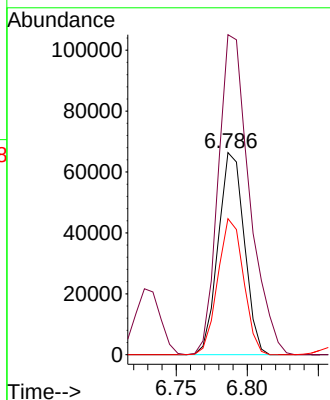
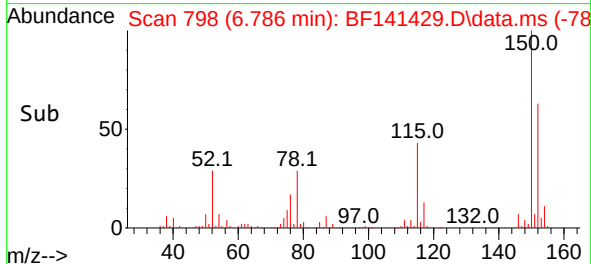
Instrument :
 BNA_F
 ClientSampleId :
 72-11984MSD



Tgt Ion:152 Resp: 84554
 Ion Ratio Lower Upper
 152 100
 150 158.4 125.9 188.9
 115 67.3 49.7 74.5

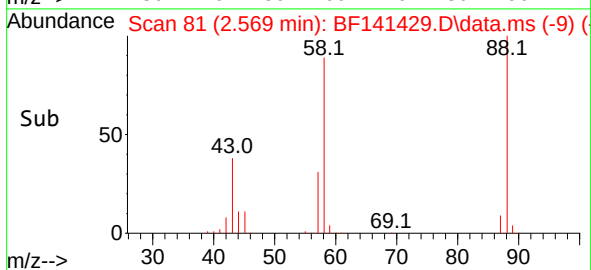
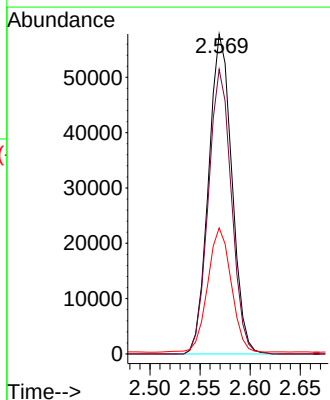
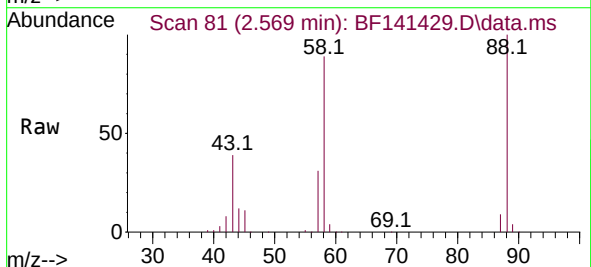
Manual Integrations
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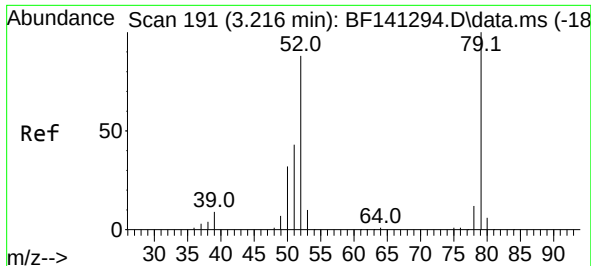
Reviewed By :Yogesh Patel 02/05/2025
 Supervised By :mohammad ahmed 02/05/2025



#2
 1,4-Dioxane
 Concen: 38.557 ng
 RT: 2.569 min Scan# 81
 Delta R.T. 0.076 min
 Lab File: BF141429.D
 Acq: 05 Feb 2025 00:22

Tgt Ion: 88 Resp: 93395
 Ion Ratio Lower Upper
 88 100
 58 88.3 70.2 105.4
 43 39.3 27.6 41.4





#3

Pyridine

Concen: 35.377 ng

RT: 3.293 min Scan# 204

Delta R.T. 0.064 min

Lab File: BF141429.D

Acq: 05 Feb 2025 00:22

Instrument :

BNA_F

ClientSampleId :

72-11984MSD

Tgt Ion: 79 Resp: 20646

Ion Ratio Lower Upper

79 100

52 91.2 70.3 105.5

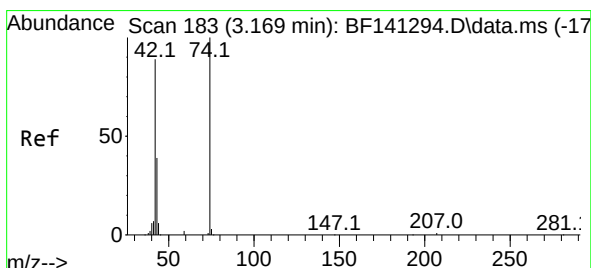
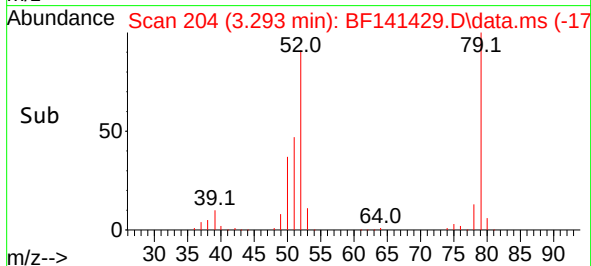
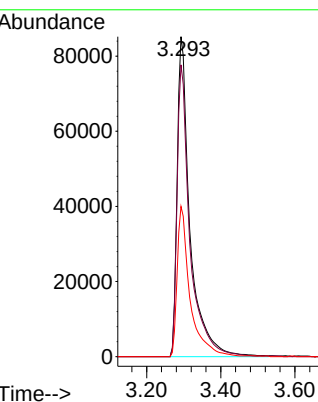
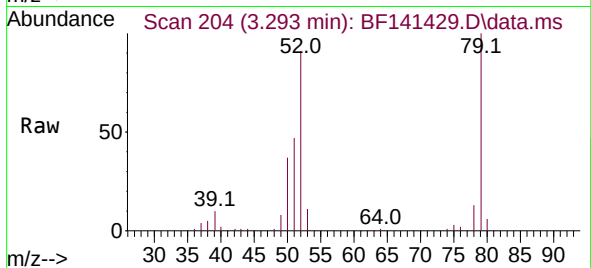
51 46.9 34.3 51.5

Manual Integrations

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Supervised By :mohammad ahmed 02/05/2025



#4

n-Nitrosodimethylamine

Concen: 44.580 ng

RT: 3.245 min Scan# 196

Delta R.T. 0.047 min

Lab File: BF141429.D

Acq: 05 Feb 2025 00:22

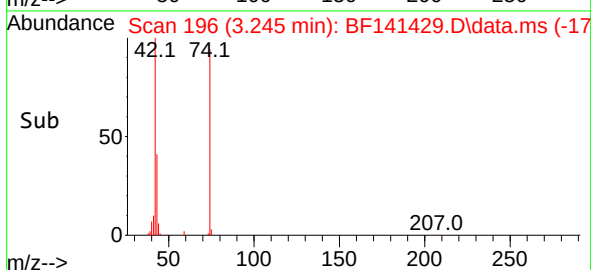
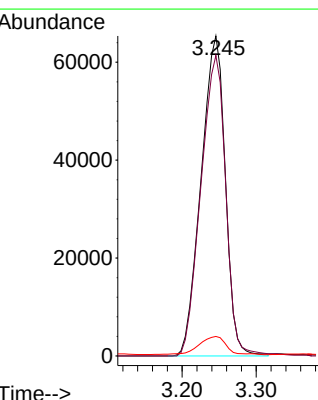
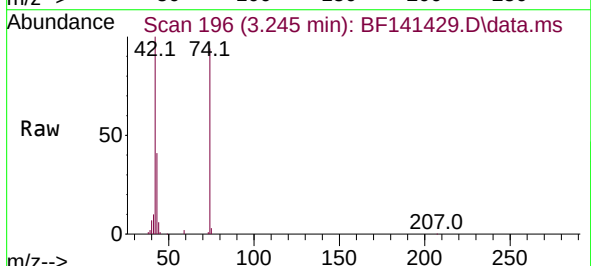
Tgt Ion: 42 Resp: 148628

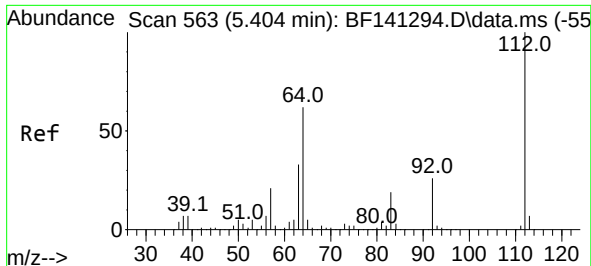
Ion Ratio Lower Upper

42 100

74 93.9 90.3 135.5

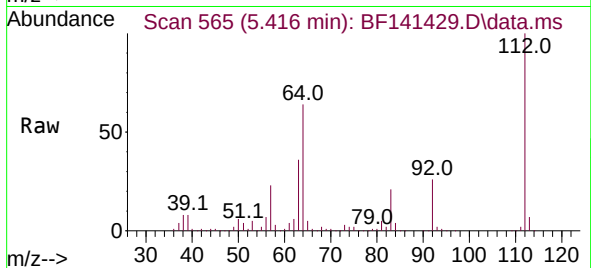
44 6.1 5.7 8.5





#5
2-Fluorophenol
Concen: 108.168 ng
RT: 5.416 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22

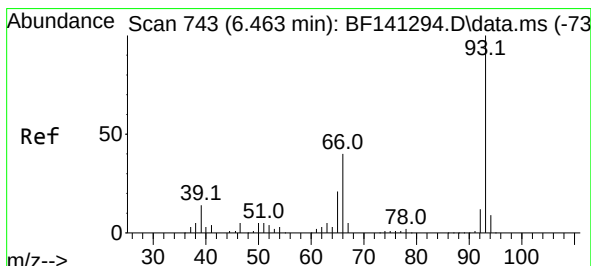
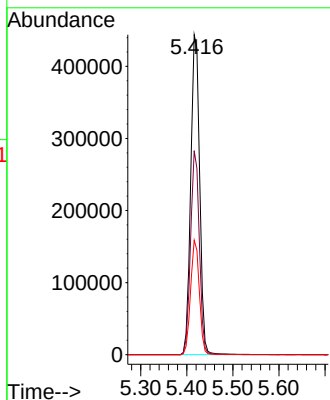
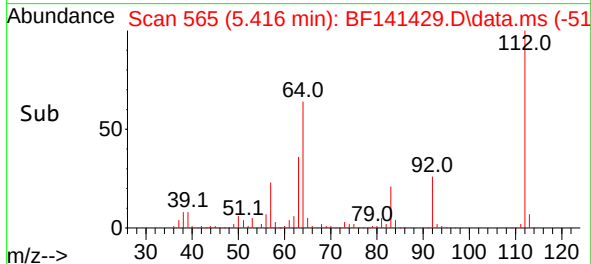
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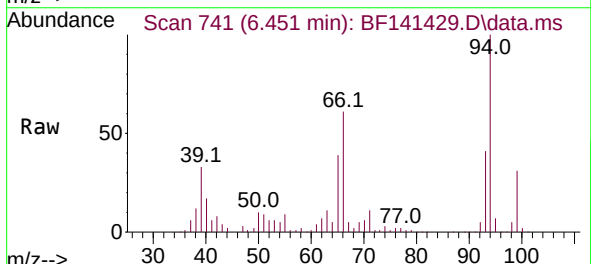
Tgt Ion:112 Resp: 595750
Ion Ratio Lower Upper
112 100
64 63.7 49.8 74.8
63 35.8 26.1 39.1

Manual Integrations
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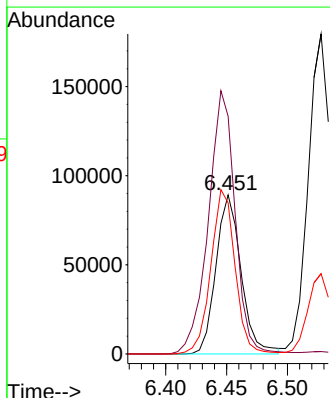
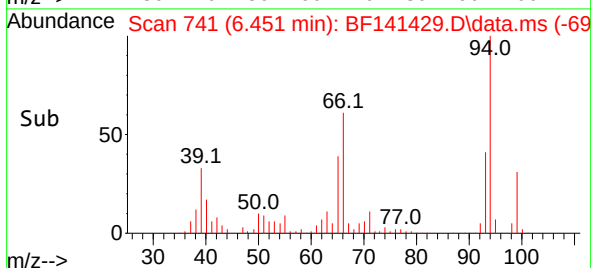
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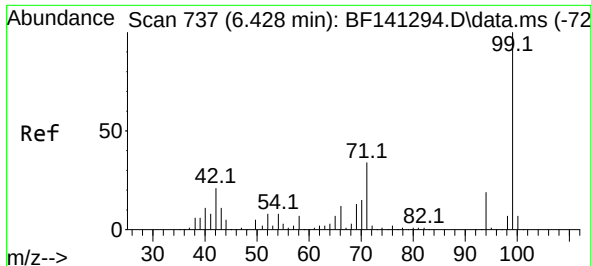


#6
Aniline
Concen: 21.606 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22



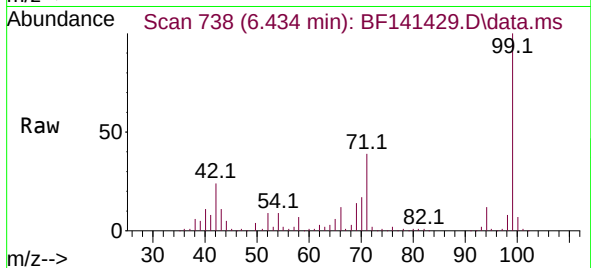
Tgt Ion: 93 Resp: 128145
Ion Ratio Lower Upper
93 100
66 149.5 32.5 48.7#
65 95.0 17.0 25.6#





#7
Phenol-d6
Concen: 104.021 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22

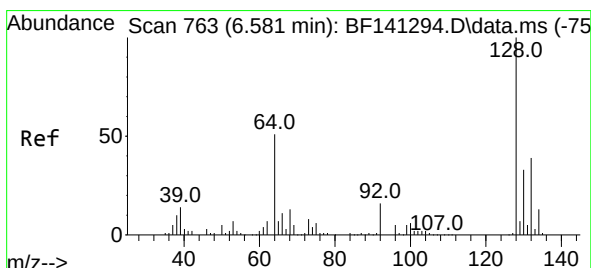
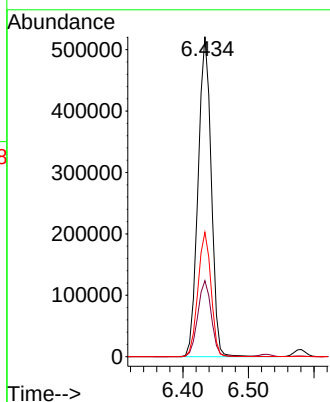
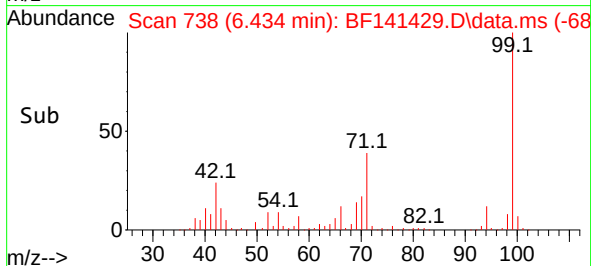
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Tgt Ion: 99 Resp: 72881
Ion Ratio Lower Upper
99 100
42 23.8 17.1 25.7
71 38.9 26.9 40.3

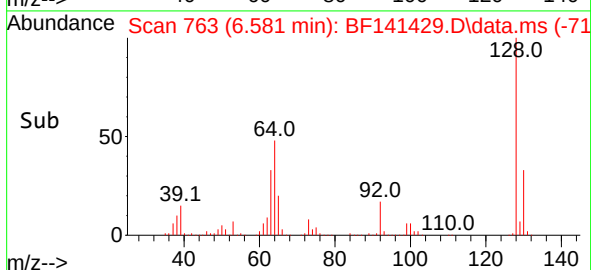
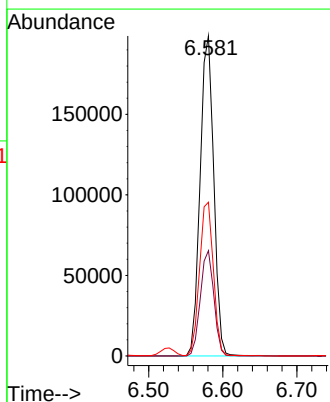
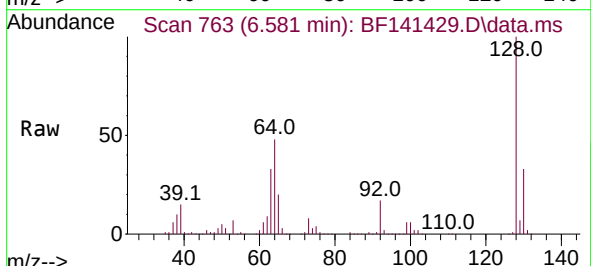
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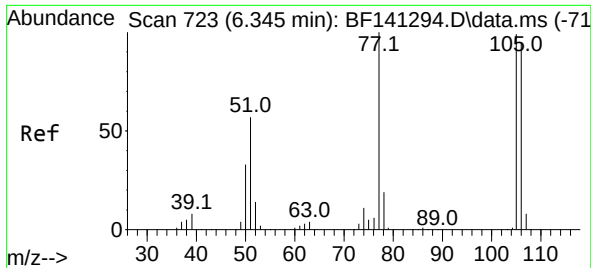
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#8
2-Chlorophenol
Concen: 43.086 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22

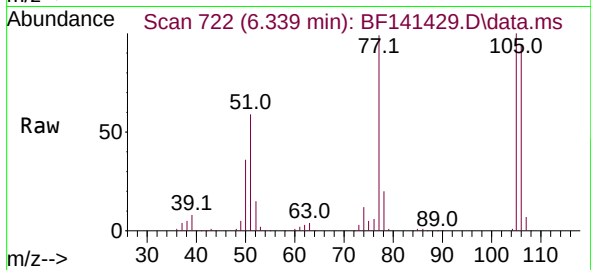
Tgt Ion:128 Resp: 254348
Ion Ratio Lower Upper
128 100
130 32.9 12.5 52.5
64 48.1 32.9 72.9





#9
Benzaldehyde
Concen: 43.127 ng
RT: 6.339 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22

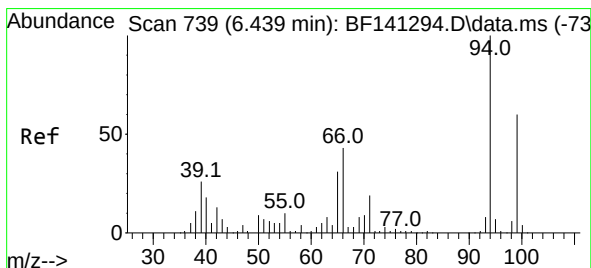
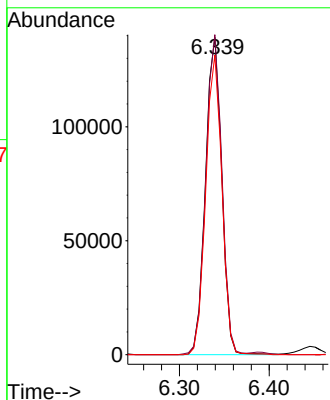
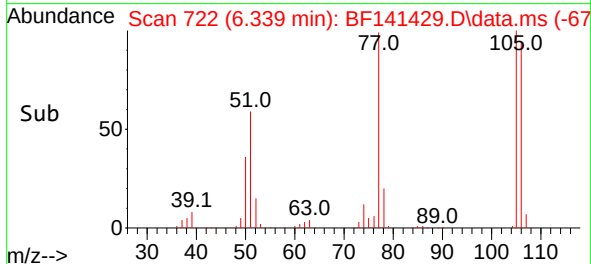
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Tgt Ion: 77 Resp: 17502
Ion Ratio Lower Upper
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105 100.8 79.4 119.4
106 94.4 74.6 114.6

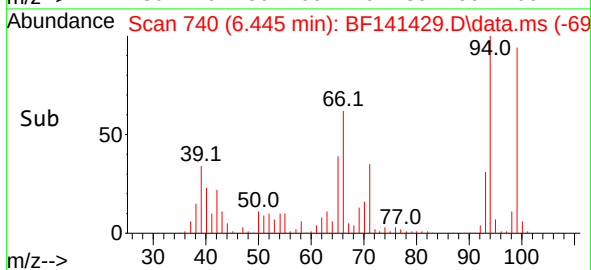
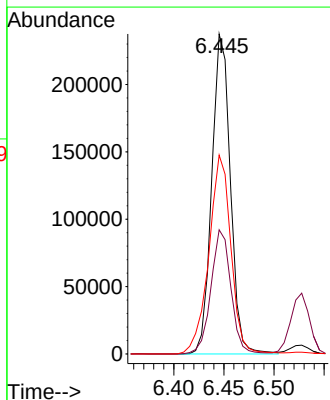
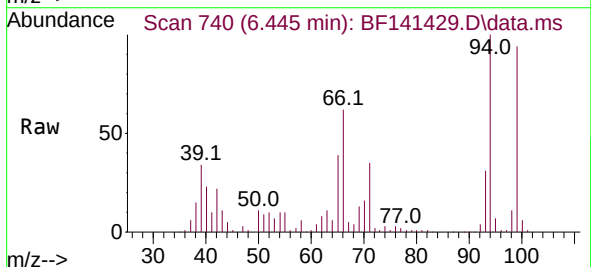
Manual Integrations
APPROVED

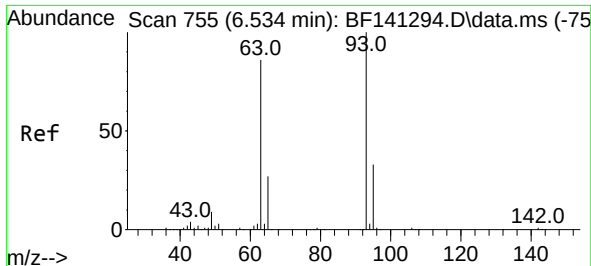
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#10
Phenol
Concen: 41.200 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22

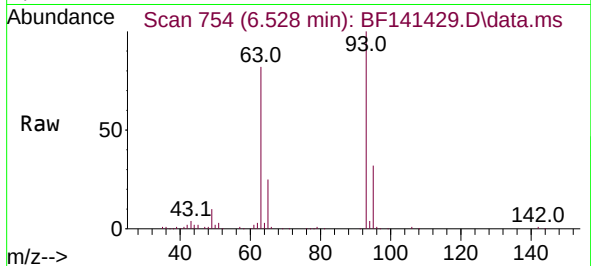
Tgt Ion: 94 Resp: 306001
Ion Ratio Lower Upper
94 100
65 38.8 10.8 50.8
66 62.2 23.3 63.3





#11
bis(2-Chloroethyl)ether
Concen: 40.671 ng
RT: 6.528 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22

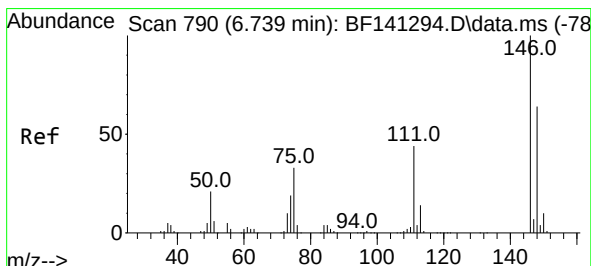
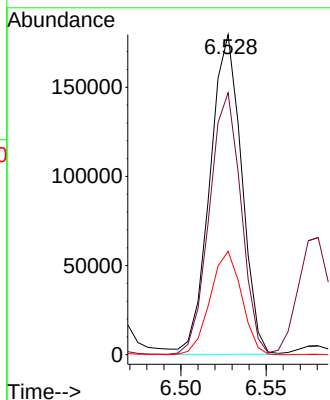
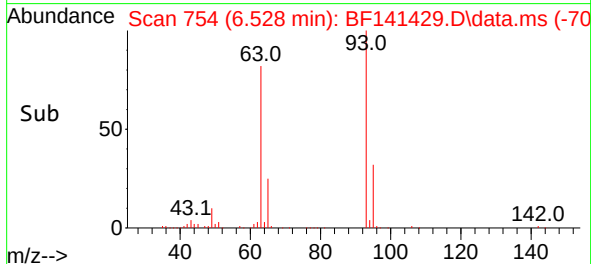
Instrument :
BNA_F
ClientSampleId :
72-11984MSD



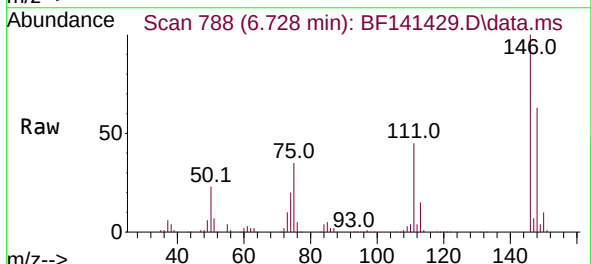
Tgt Ion: 93 Resp: 231609
Ion Ratio Lower Upper
93 100
63 81.9 65.0 105.0
95 32.3 12.4 52.4

Manual Integrations
APPROVED

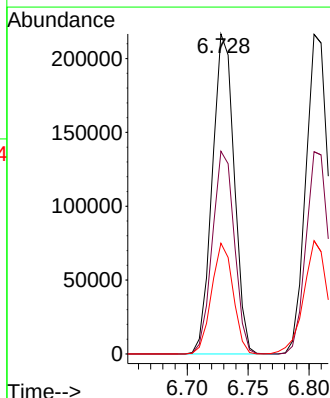
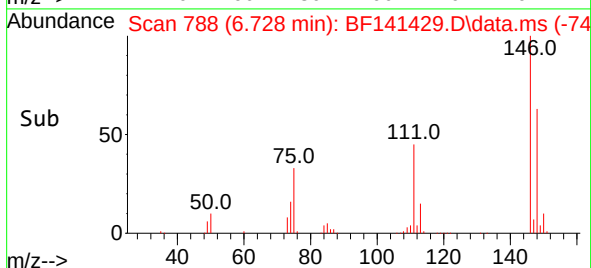
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

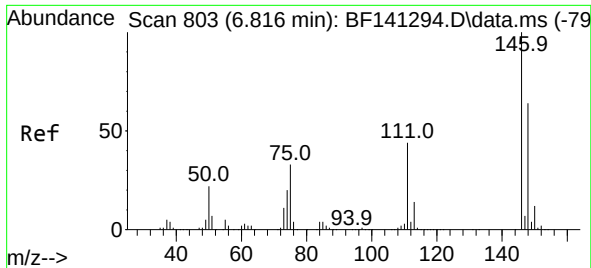


#12
1,3-Dichlorobenzene
Concen: 41.631 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.018 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22



Tgt Ion:146 Resp: 270977
Ion Ratio Lower Upper
146 100
148 63.3 51.2 76.8
75 34.6 26.2 39.4





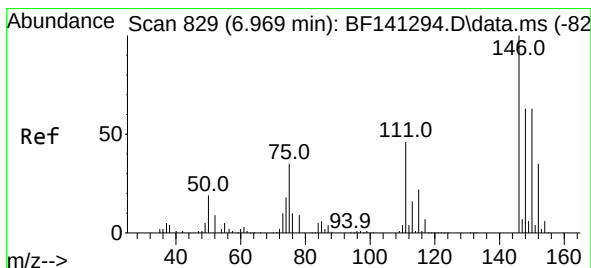
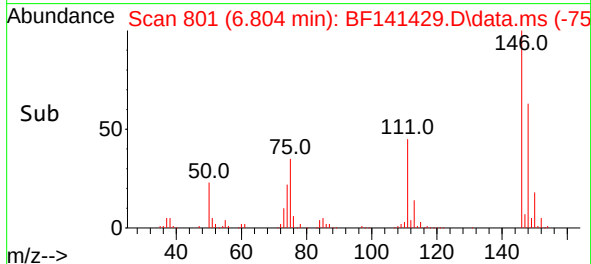
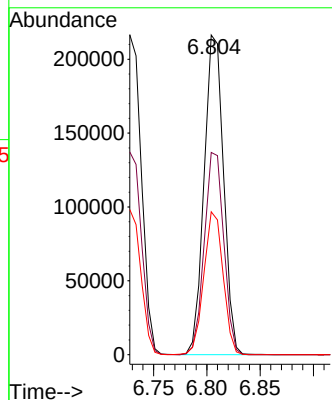
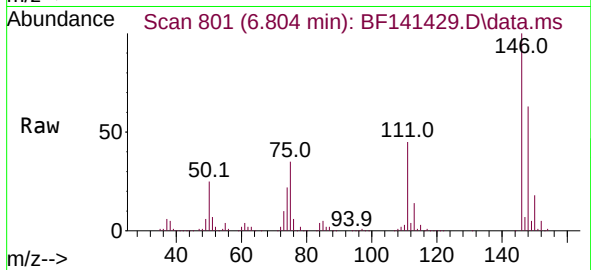
#13
1,4-Dichlorobenzene
Concen: 42.106 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.018 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22

Instrument :
BNA_F
ClientSampleId :
72-11984MSD

Tgt Ion:146 Resp: 27532
Ion Ratio Lower Upper
146 100
148 63.3 51.2 76.8
111 44.7 35.0 52.4

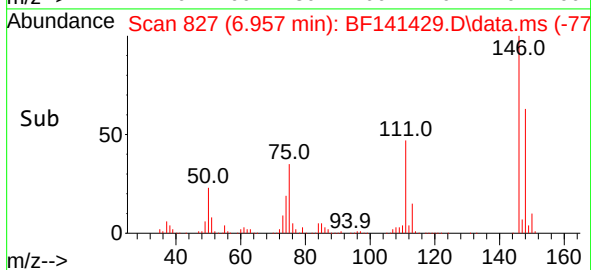
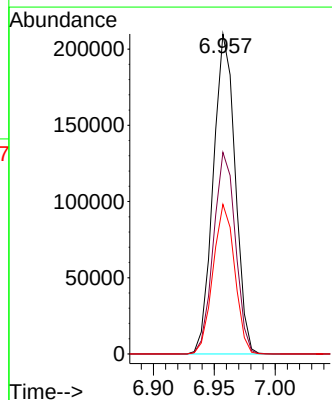
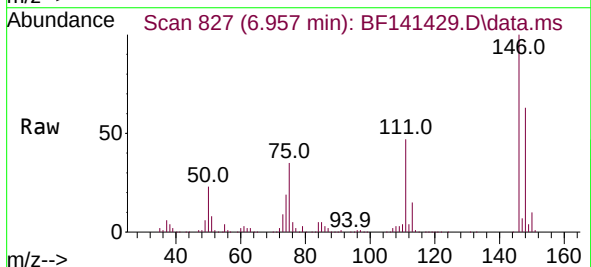
Manual Integrations
APPROVED

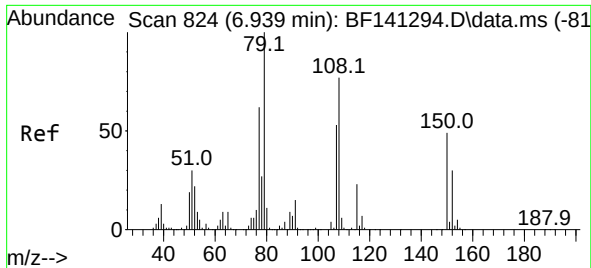
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#14
1,2-Dichlorobenzene
Concen: 42.864 ng
RT: 6.957 min Scan# 827
Delta R.T. -0.018 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22

Tgt Ion:146 Resp: 262451
Ion Ratio Lower Upper
146 100
148 63.0 50.5 75.7
111 46.7 36.6 55.0





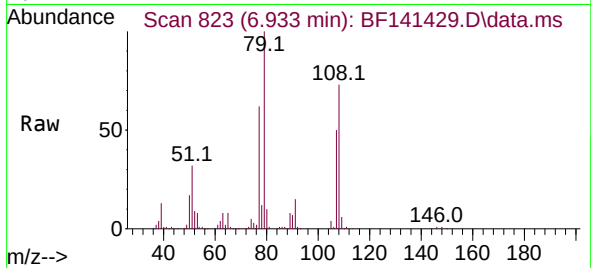
#15
Benzyl Alcohol
Concen: 47.546 ng
RT: 6.933 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22

Instrument :

BNA_F

ClientSampleId :

72-11984MSD

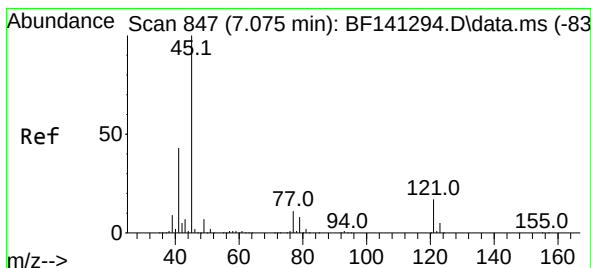
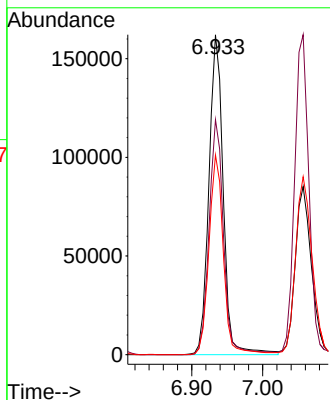
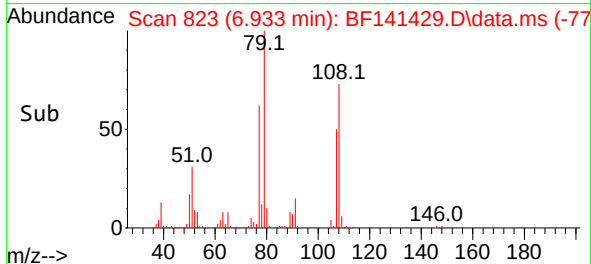


Tgt Ion: 79 Resp: 227659
Ion Ratio Lower Upper
79 100
108 73.5 61.4 92.0
77 62.4 49.9 74.9

Manual Integrations

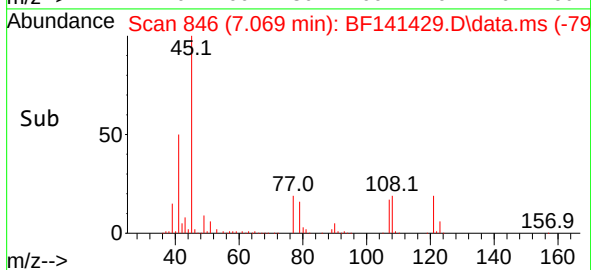
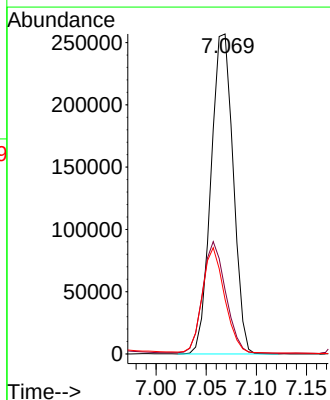
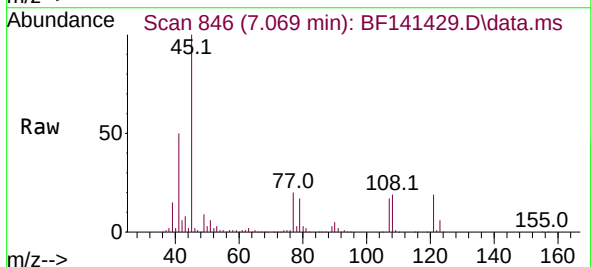
APPROVED

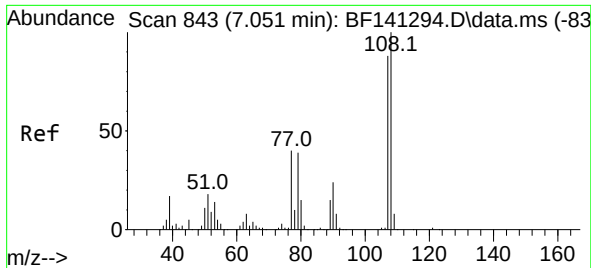
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.925 ng
RT: 7.069 min Scan# 846
Delta R.T. -0.012 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22

Tgt Ion: 45 Resp: 395365
Ion Ratio Lower Upper
45 100
77 20.0 0.0 31.8
79 17.0 0.0 29.1





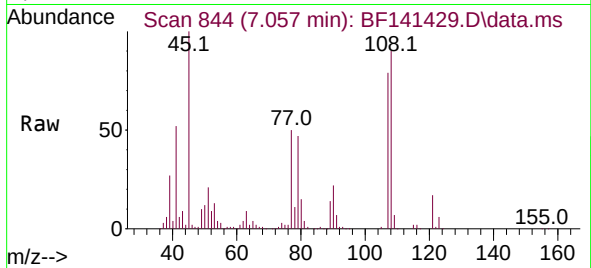
#17
2-Methylphenol
Concen: 41.575 ng
RT: 7.057 min Scan# 843
Delta R.T. -0.000 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22

Instrument :

BNA_F

ClientSampleId :

72-11984MSD

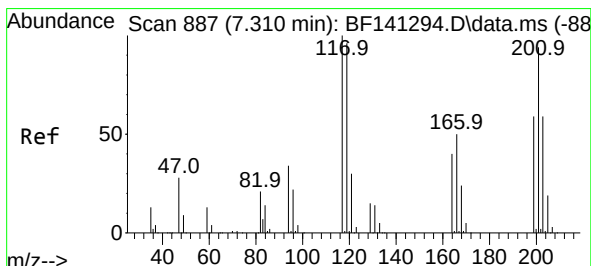
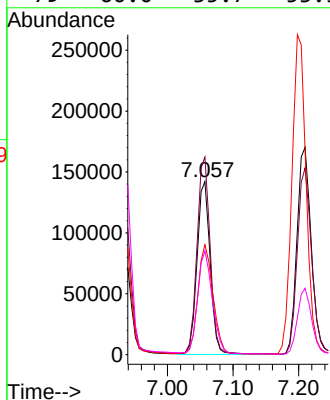
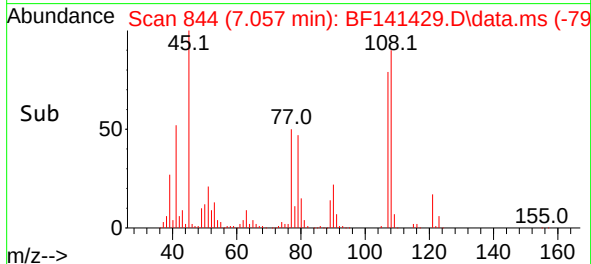


Tgt Ion:107 Resp: 199470
Ion Ratio Lower Upper
107 100
108 114.1 90.8 136.2
77 63.5 36.2 54.4
79 60.0 35.7 53.5#

Manual Integrations

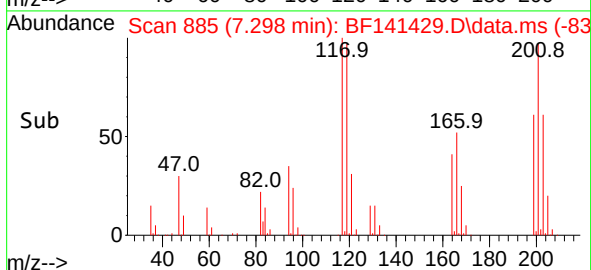
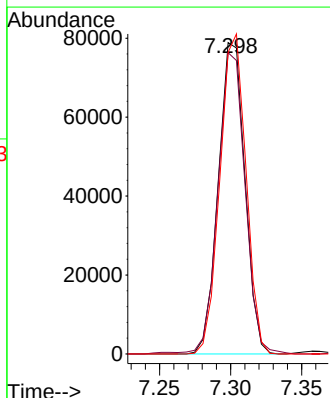
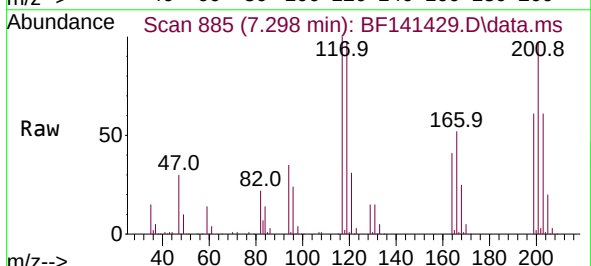
APPROVED

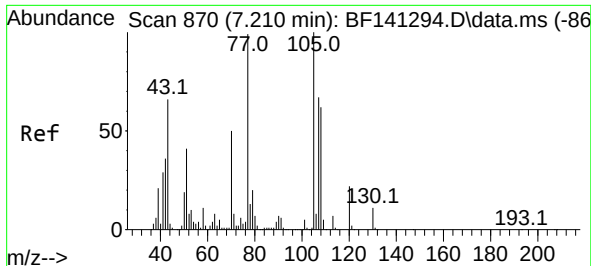
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#18
Hexachloroethane
Concen: 42.554 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.018 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22

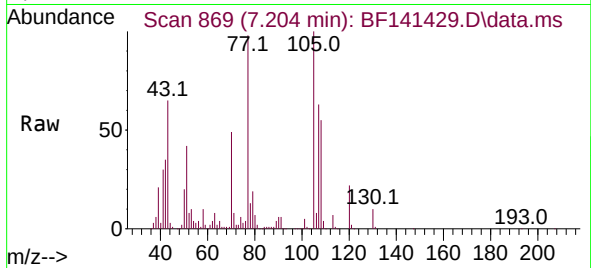
Tgt Ion:117 Resp: 102651
Ion Ratio Lower Upper
117 100
119 96.7 76.6 114.8
201 96.9 74.8 112.2





#19
n-Nitroso-di-n-propylamine
Concen: 43.555 ng
RT: 7.204 min Scan# 80
Delta R.T. -0.024 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22

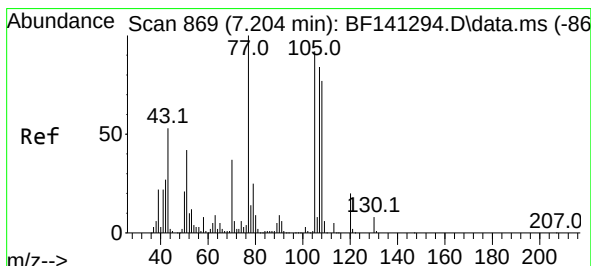
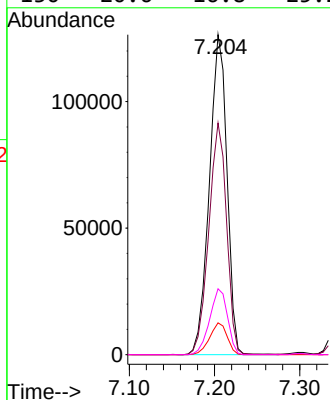
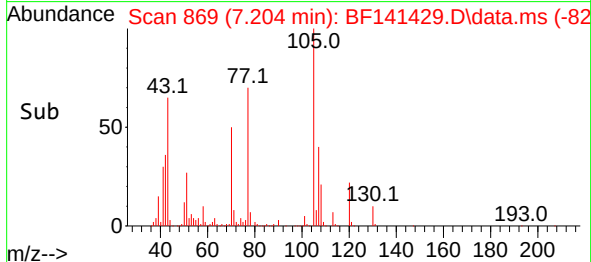
Instrument :
BNA_F
ClientSampleId :
72-11984MSD



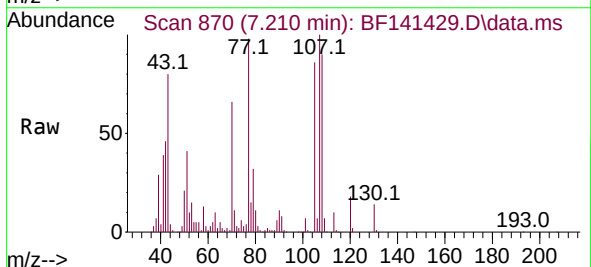
Tgt Ion: 70 Resp: 18133
Ion Ratio Lower Upper
70 100
42 72.4 56.8 85.2
101 10.0 7.7 11.5
130 20.6 16.8 25.2

Manual Integrations
APPROVED

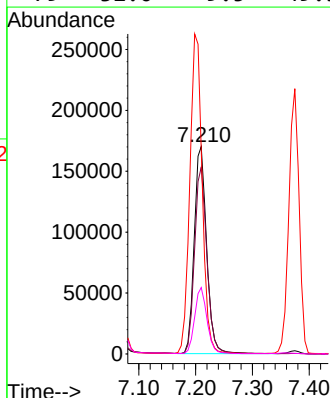
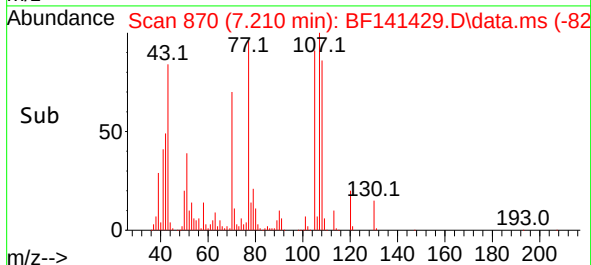
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

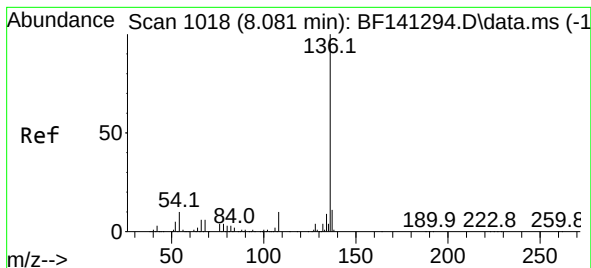


#20
3+4-Methylphenols
Concen: 43.749 ng
RT: 7.210 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22



Tgt Ion:107 Resp: 257724
Ion Ratio Lower Upper
107 100
108 90.0 70.9 110.9
77 98.5 98.5 138.5#
79 32.0 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.075 min Scan# 1017

Delta R.T. -0.012 min

Lab File: BF141429.D

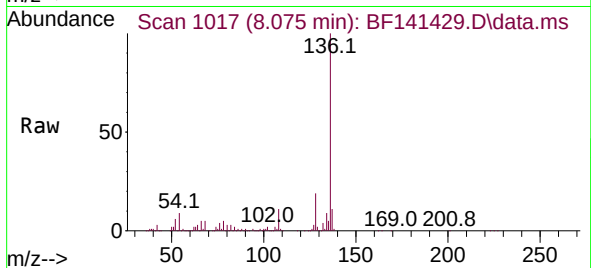
Acq: 05 Feb 2025 00:22

Instrument :

BNA_F

ClientSampleId :

72-11984MSD



Tgt Ion:136 Resp: 33302

Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 8.9 7.8 11.8

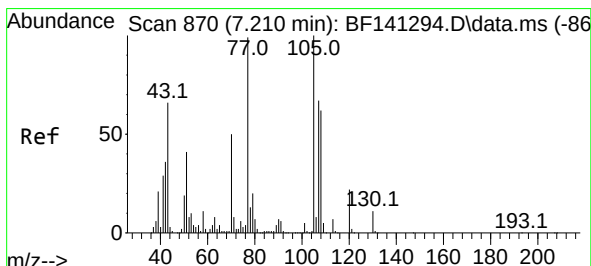
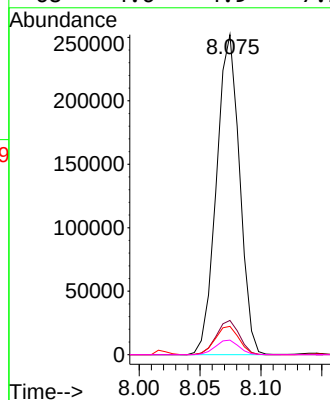
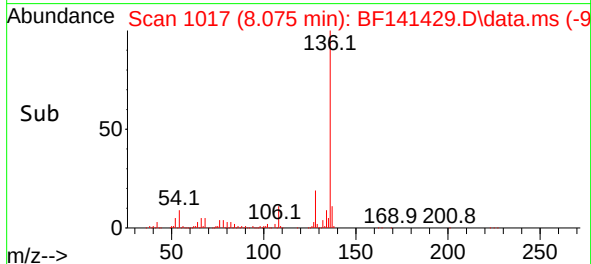
68 4.6 4.9 7.3#

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#22

Acetophenone

Concen: 50.279 ng

RT: 7.198 min Scan# 868

Delta R.T. -0.018 min

Lab File: BF141429.D

Acq: 05 Feb 2025 00:22

Tgt Ion:105 Resp: 397999

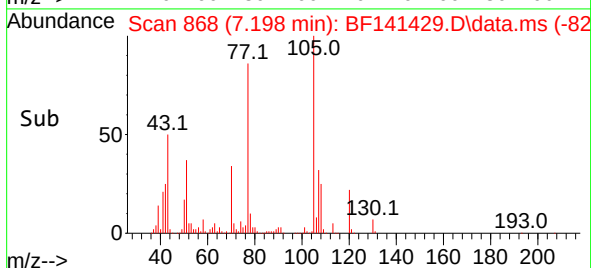
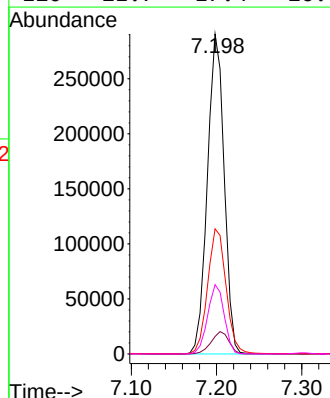
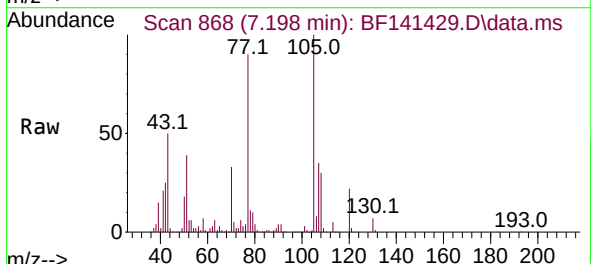
Ion Ratio Lower Upper

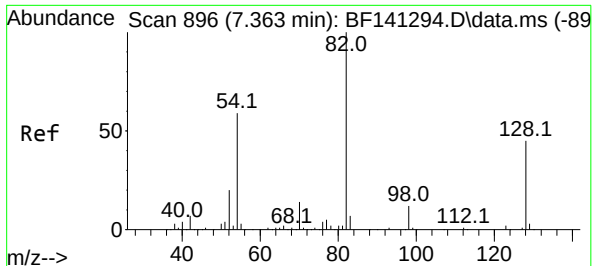
105 100

71 5.5 6.8 10.2#

51 39.1 32.6 49.0

120 21.7 17.4 26.0





#23

Nitrobenzene-d5

Concen: 77.281 ng

RT: 7.357 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF141429.D

Acq: 05 Feb 2025 00:22

Instrument :

BNA_F

ClientSampleId :

72-11984MSD

Tgt Ion: 82 Resp: 48819

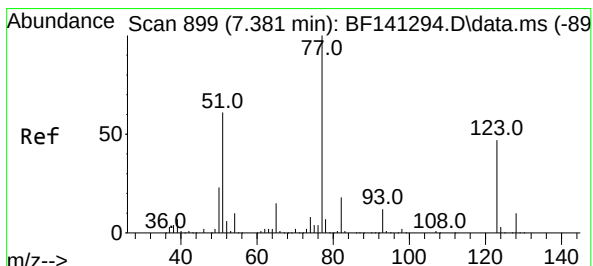
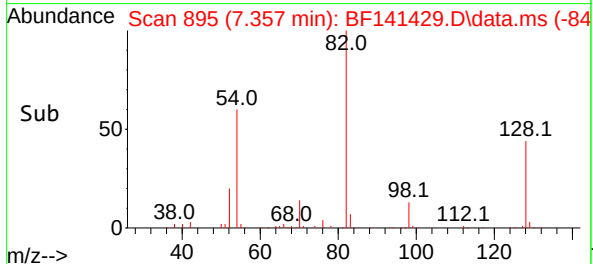
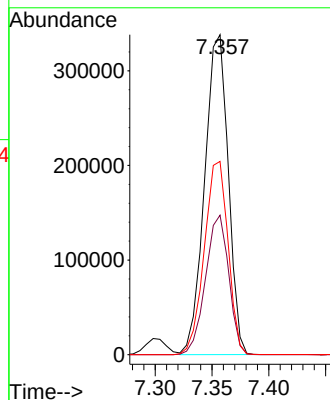
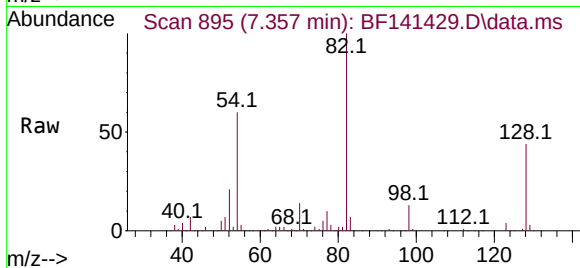
Ion	Ratio	Lower	Upper
82	100		
128	43.6	35.7	53.5
54	60.4	47.1	70.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#24

Nitrobenzene

Concen: 41.620 ng

RT: 7.375 min Scan# 898

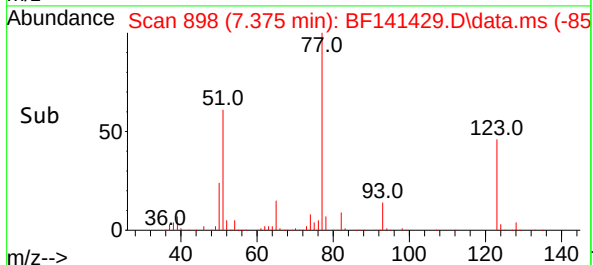
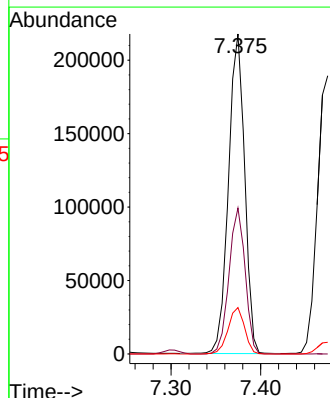
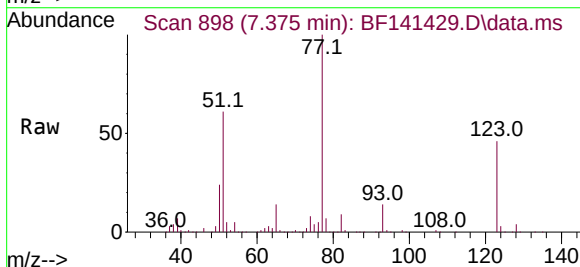
Delta R.T. -0.018 min

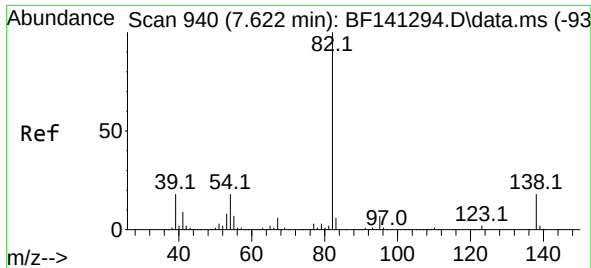
Lab File: BF141429.D

Acq: 05 Feb 2025 00:22

Tgt Ion: 77 Resp: 272466

Ion	Ratio	Lower	Upper
77	100		
123	45.6	37.3	55.9
65	14.5	11.8	17.6





#25
Isophorone
Concen: 43.893 ng
RT: 7.610 min Scan# 910
Delta R.T. -0.018 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22

Instrument :

BNA_F

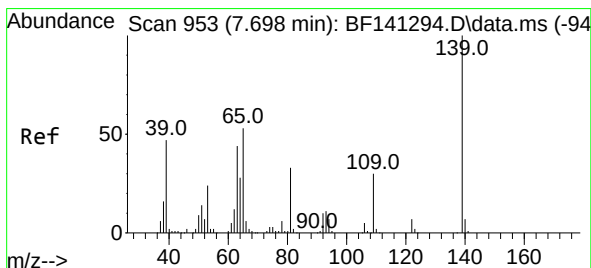
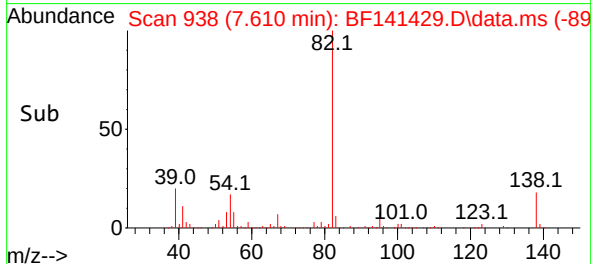
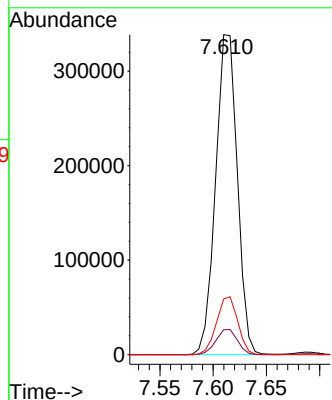
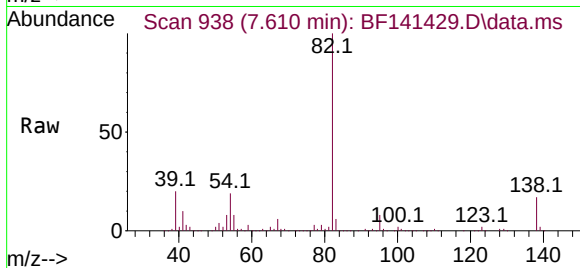
ClientSampleId :

72-11984MSD

Tgt Ion: 82 Resp: 479312
Ion Ratio Lower Upper
82 100
95 7.8 5.8 8.6
138 17.4 14.7 22.1

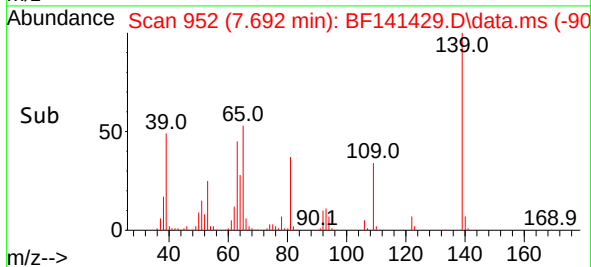
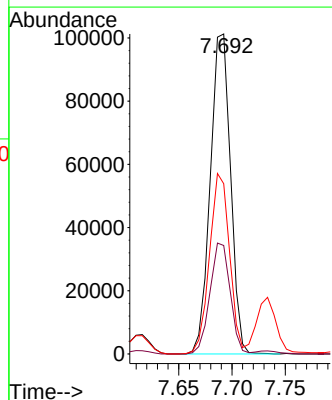
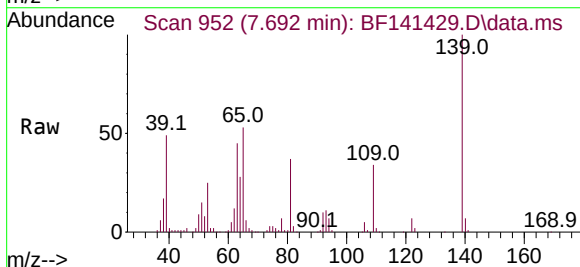
Manual Integrations
APPROVED

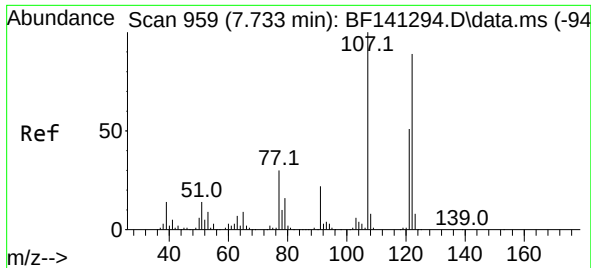
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#26
2-Nitrophenol
Concen: 43.381 ng
RT: 7.692 min Scan# 952
Delta R.T. -0.012 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22

Tgt Ion:139 Resp: 133938
Ion Ratio Lower Upper
139 100
109 33.9 23.8 35.6
65 53.2 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 54.071 ng m

RT: 7.733 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141429.D

Acq: 05 Feb 2025 00:22

Instrument :

BNA_F

ClientSampleId :

72-11984MSD

Tgt Ion:122 Resp: 21248

Ion Ratio Lower Upper

122 100

107 119.3 89.9 134.9

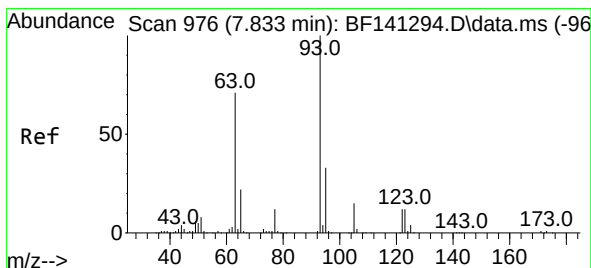
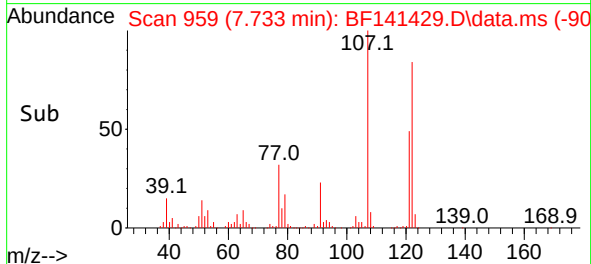
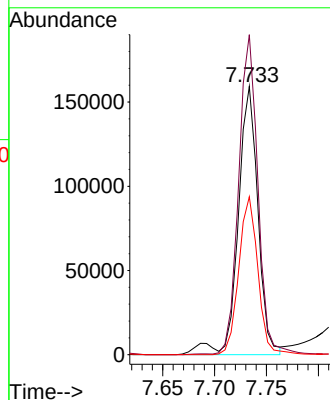
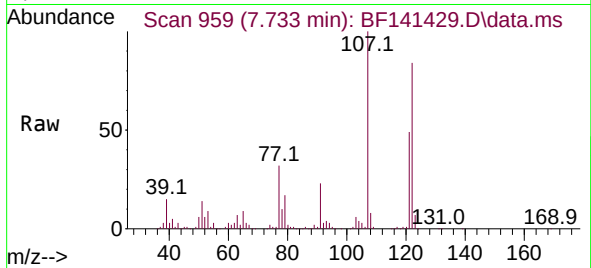
121 58.9 46.1 69.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#28

bis(2-Chloroethoxy)methane

Concen: 42.008 ng

RT: 7.822 min Scan# 974

Delta R.T. -0.018 min

Lab File: BF141429.D

Acq: 05 Feb 2025 00:22

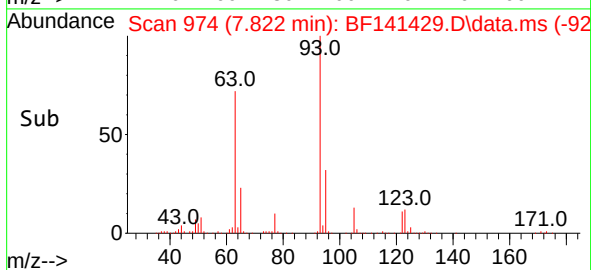
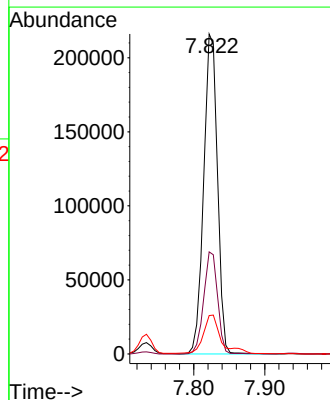
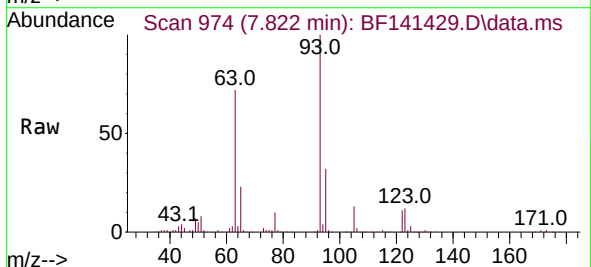
Tgt Ion: 93 Resp: 292603

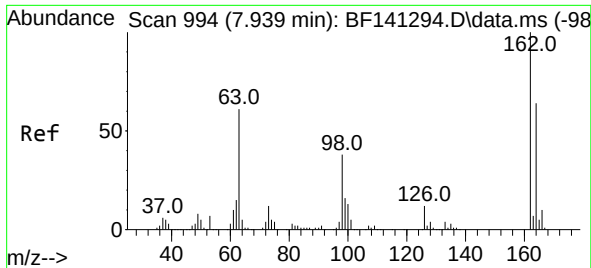
Ion Ratio Lower Upper

93 100

95 31.9 26.2 39.2

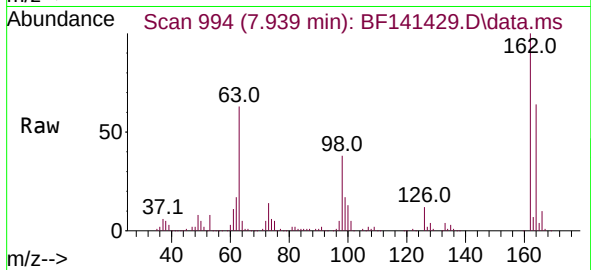
123 12.0 10.2 15.4





#29
2,4-Dichlorophenol
Concen: 43.439 ng
RT: 7.939 min Scan# 994
Delta R.T. -0.006 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22

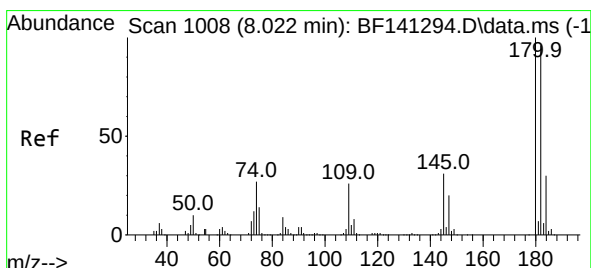
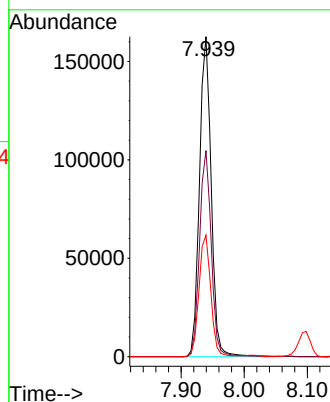
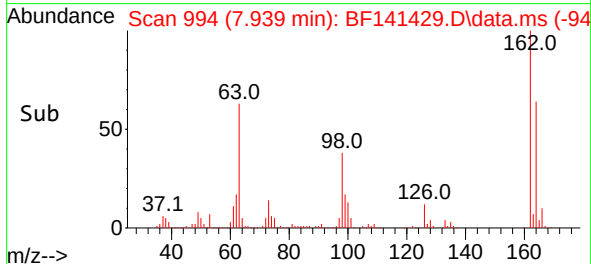
Instrument :
BNA_F
ClientSampleId :
72-11984MSD



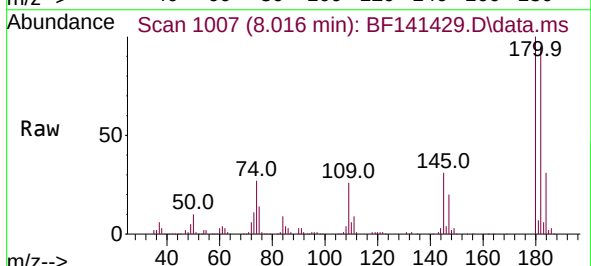
Tgt Ion:162 Resp: 208984
Ion Ratio Lower Upper
162 100
164 64.4 44.2 84.2
98 38.0 18.2 58.2

Manual Integrations
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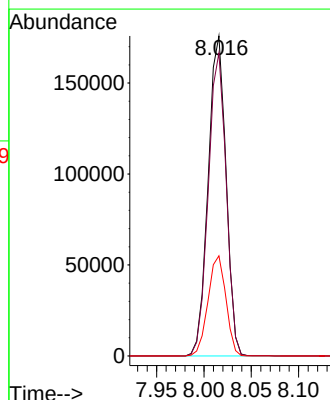
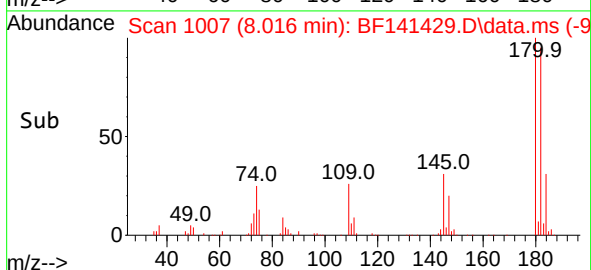
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

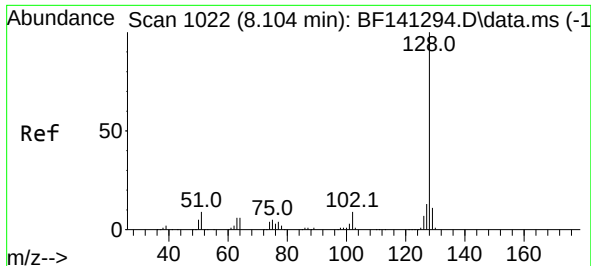


#30
1,2,4-Trichlorobenzene
Concen: 41.924 ng
RT: 8.016 min Scan# 1007
Delta R.T. -0.012 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22



Tgt Ion:180 Resp: 230343
Ion Ratio Lower Upper
180 100
182 94.7 76.4 114.6
145 31.3 24.9 37.3





#31
Naphthalene
Concen: 60.947 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.012 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22

Instrument :

BNA_F

ClientSampleId :

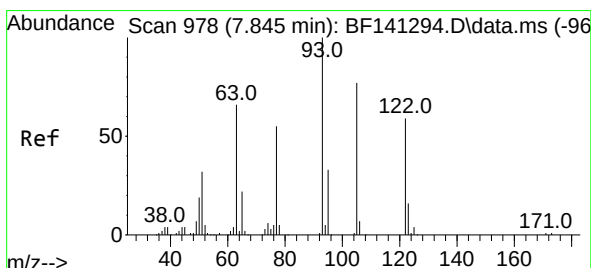
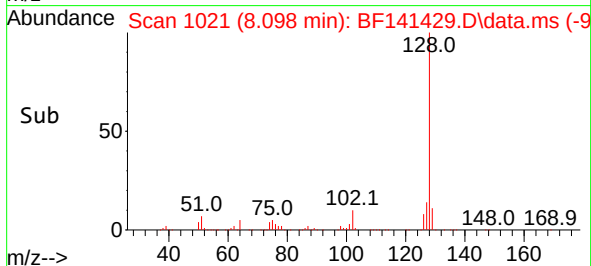
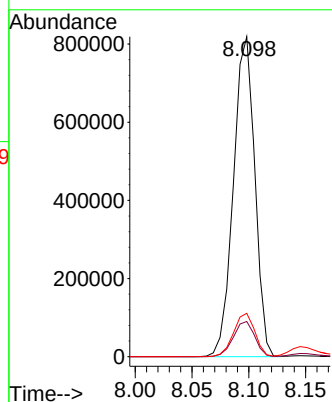
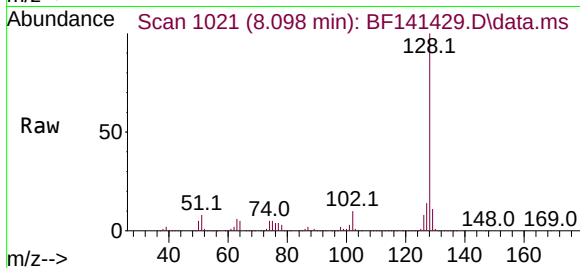
72-11984MSD

Tgt Ion:128 Resp: 107221
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 13.6 10.6 15.8

Manual Integrations

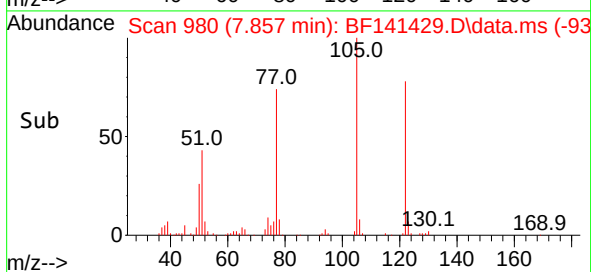
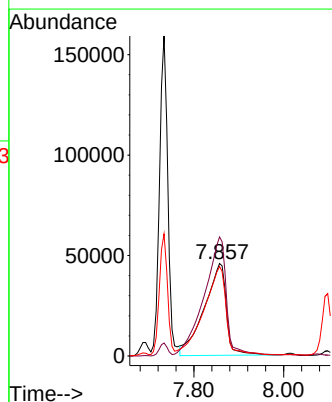
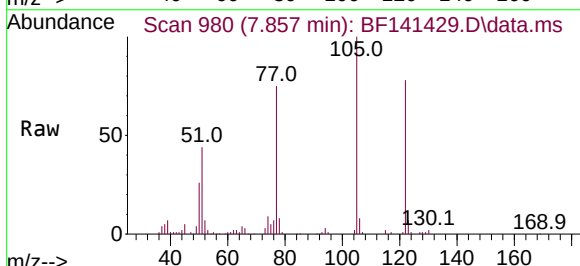
APPROVED

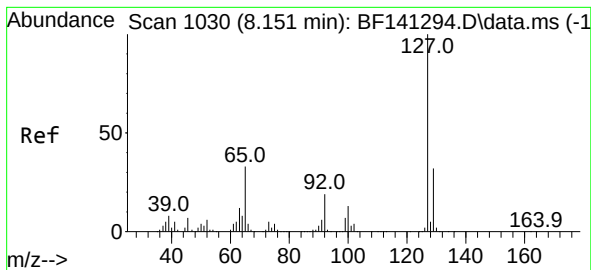
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#32
Benzoic acid
Concen: 43.275 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.024 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22

Tgt Ion:122 Resp: 156334
Ion Ratio Lower Upper
122 100
105 128.6 103.4 143.4
77 96.6 70.9 110.9





#33

4-Chloroaniline

Concen: 7.839 ng

RT: 8.145 min Scan# 1029

Delta R.T. -0.012 min

Lab File: BF141429.D

Acq: 05 Feb 2025 00:22

Instrument :

BNA_F

ClientSampleId :

72-11984MSD

Tgt Ion:127 Resp: 46760

Ion Ratio Lower Upper

127 100

129 31.7 25.7 38.5

65 34.2 26.4 39.6

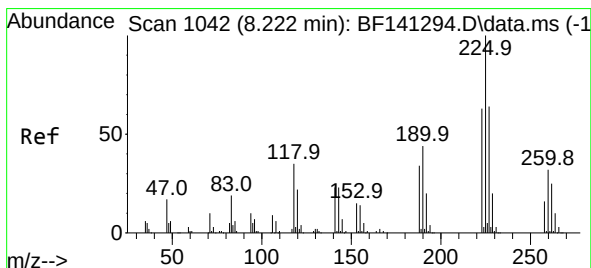
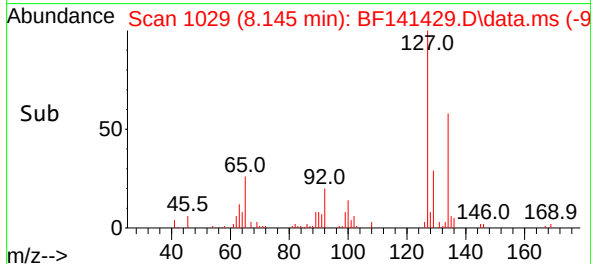
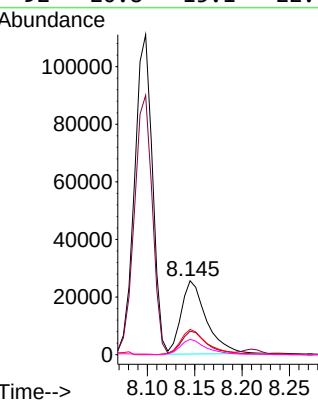
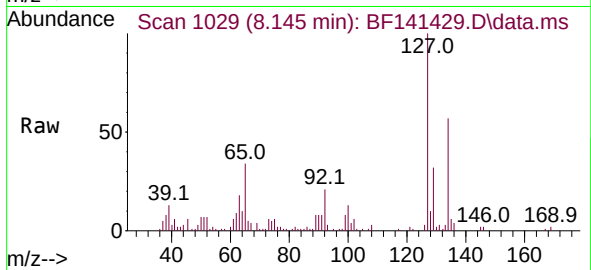
92 20.8 15.1 22.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#34

Hexachlorobutadiene

Concen: 44.793 ng

RT: 8.210 min Scan# 1040

Delta R.T. -0.012 min

Lab File: BF141429.D

Acq: 05 Feb 2025 00:22

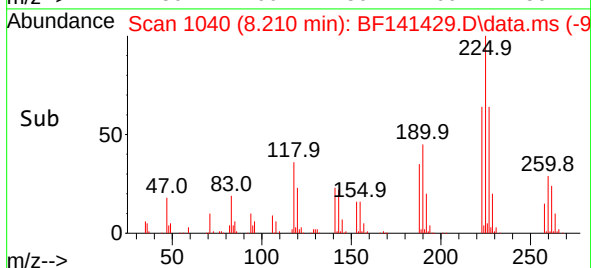
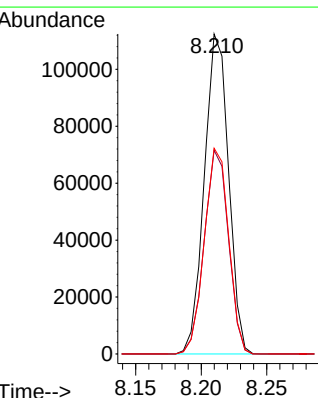
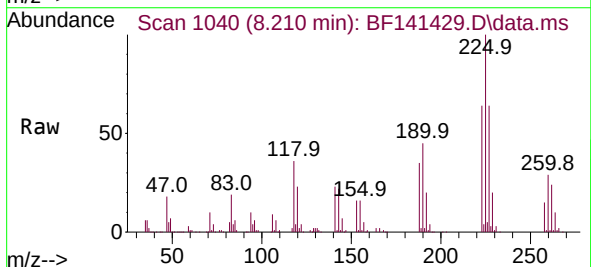
Tgt Ion:225 Resp: 144325

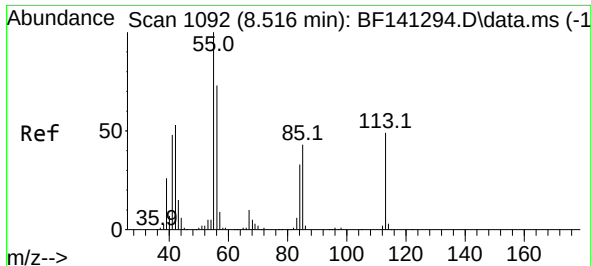
Ion Ratio Lower Upper

225 100

223 63.6 50.4 75.6

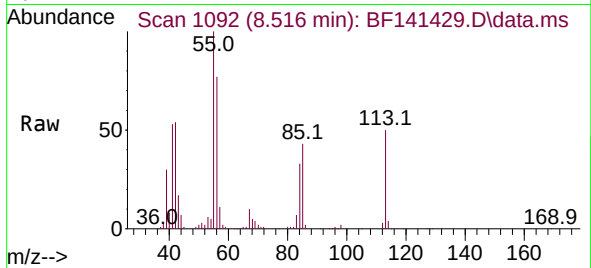
227 64.3 51.3 76.9





#35
Caprolactam
Concen: 45.109 ng m
RT: 8.516 min Scan# 1092
Delta R.T. -0.030 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22

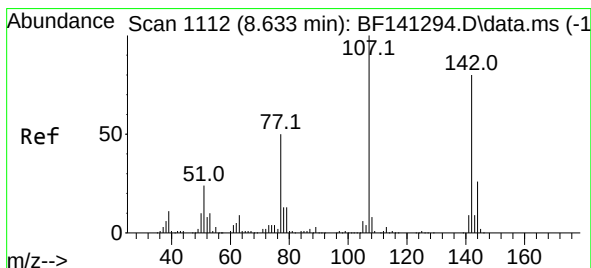
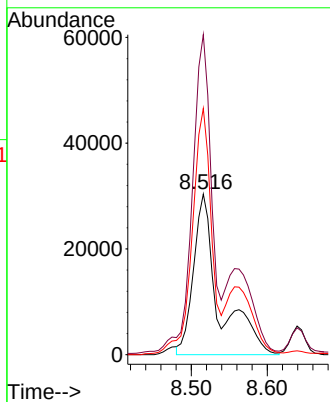
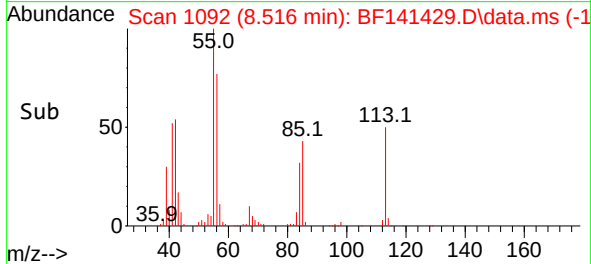
Instrument :
BNA_F
ClientSampleId :
72-11984MSD



Tgt Ion:113 Resp: 70870
Ion Ratio Lower Upper
113 100
55 199.2 182.9 222.9
56 153.3 127.9 167.9

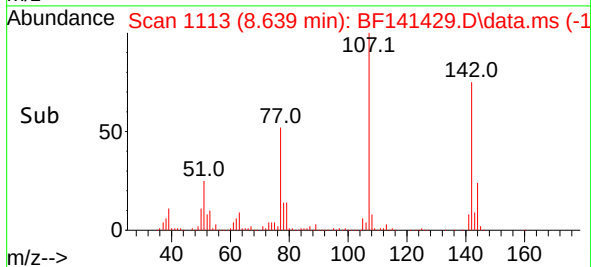
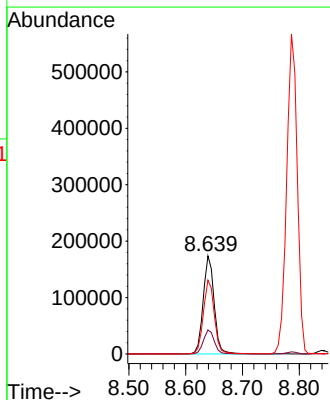
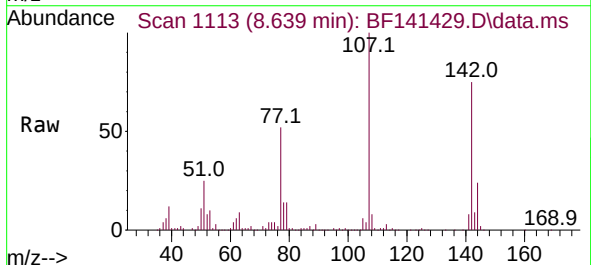
Manual Integrations
APPROVED

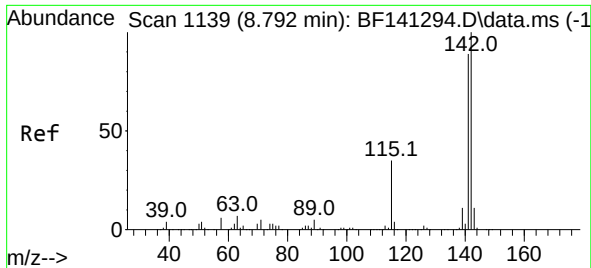
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#36
4-Chloro-3-methylphenol
Concen: 45.147 ng
RT: 8.639 min Scan# 1113
Delta R.T. -0.000 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22

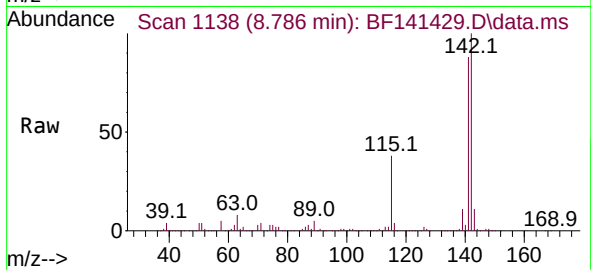
Tgt Ion:107 Resp: 232982
Ion Ratio Lower Upper
107 100
144 24.5 20.7 31.1
142 75.2 63.8 95.8





#37
2-Methylnaphthalene
Concen: 65.786 ng
RT: 8.786 min Scan# 1138
Delta R.T. -0.012 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22

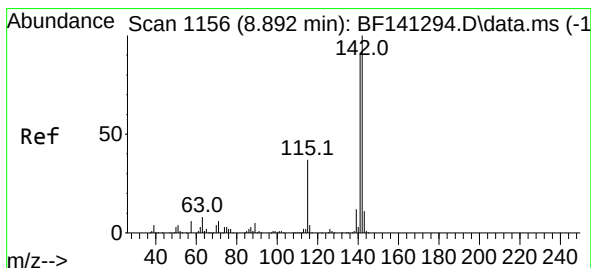
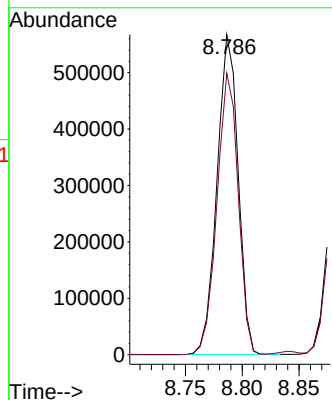
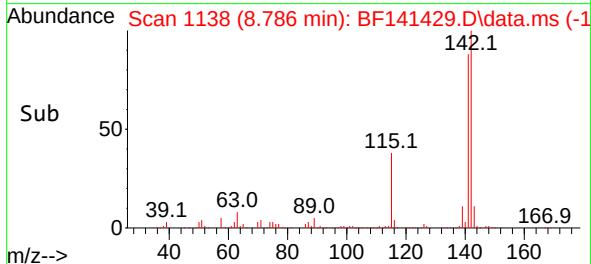
Instrument :
BNA_F
ClientSampleId :
72-11984MSD



Tgt Ion:142 Resp: 73559
Ion Ratio Lower Upper
142 100
141 87.9 71.3 106.9

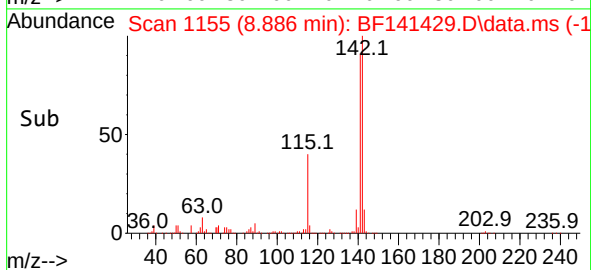
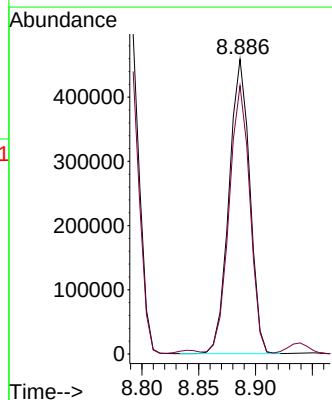
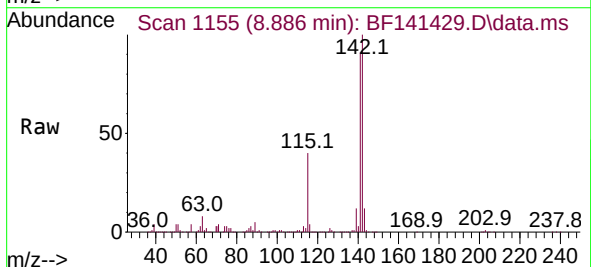
Manual Integrations
APPROVED

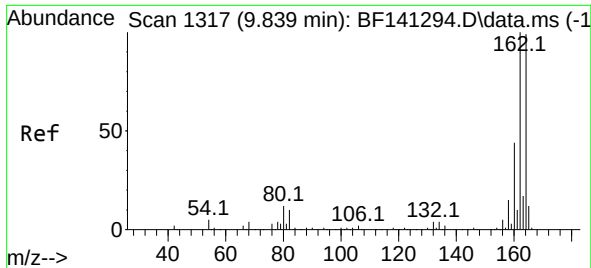
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#38
1-Methylnaphthalene
Concen: 53.137 ng
RT: 8.886 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22

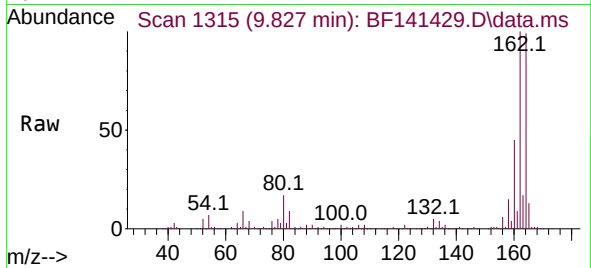
Tgt Ion:142 Resp: 583648
Ion Ratio Lower Upper
142 100
141 91.0 73.2 109.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 1115
Delta R.T. -0.012 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22

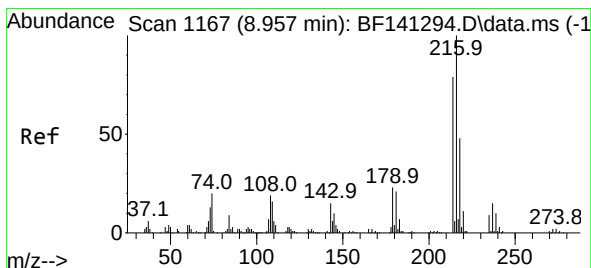
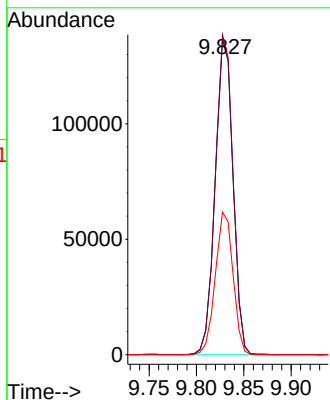
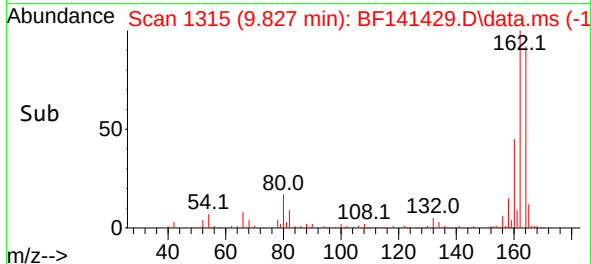
Instrument :
BNA_F
ClientSampleId :
72-11984MSD



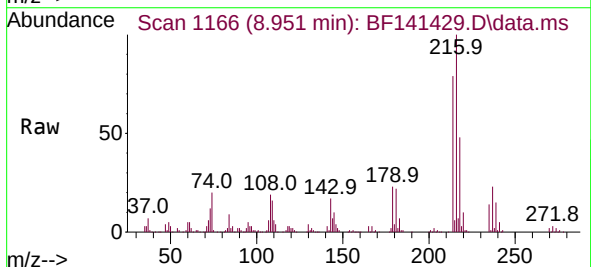
Tgt Ion:164 Resp: 178834
Ion Ratio Lower Upper
164 100
162 101.4 80.6 121.0
160 45.2 35.8 53.6

Manual Integrations
APPROVED

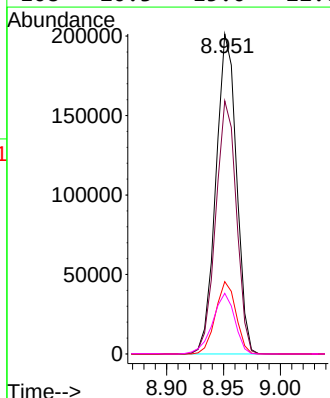
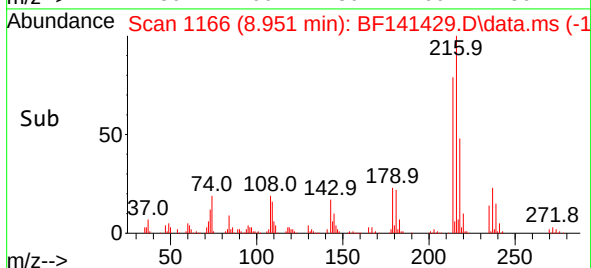
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

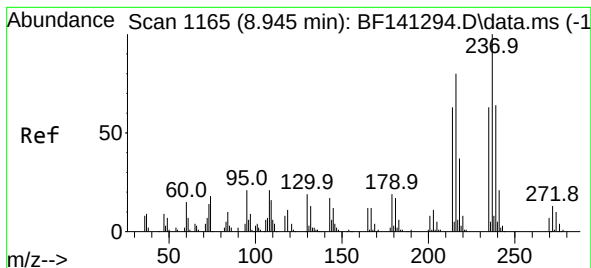


#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.988 ng
RT: 8.951 min Scan# 1166
Delta R.T. -0.012 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22



Tgt Ion:216 Resp: 254322
Ion Ratio Lower Upper
216 100
214 79.2 63.2 94.8
179 22.4 17.8 26.8
108 20.3 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 118.579 ng

RT: 8.939 min Scan# 1164

Delta R.T. -0.012 min

Lab File: BF141429.D

Acq: 05 Feb 2025 00:22

Instrument :

BNA_F

ClientSampleId :

72-11984MSD

Tgt Ion:237 Resp: 17816

Ion Ratio Lower Upper

237 100

235 62.1 42.9 82.9

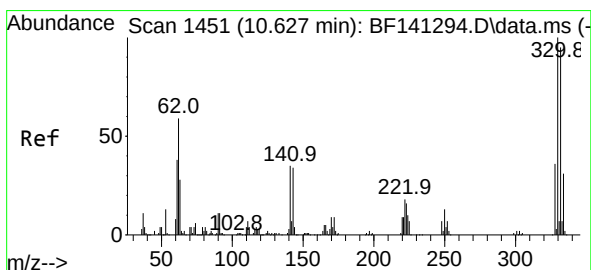
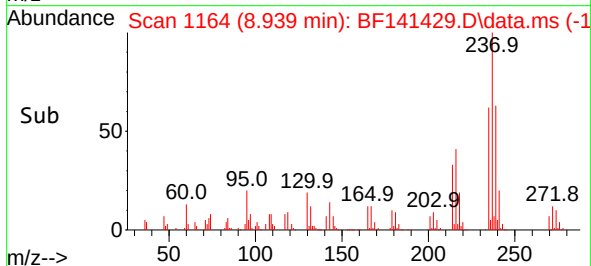
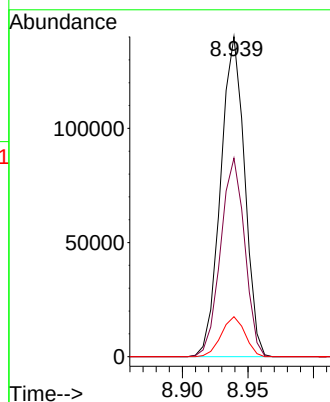
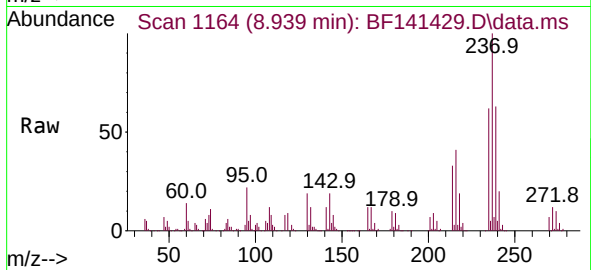
272 12.5 0.0 32.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#42

2,4,6-Tribromophenol

Concen: 115.321 ng

RT: 10.621 min Scan# 1450

Delta R.T. -0.012 min

Lab File: BF141429.D

Acq: 05 Feb 2025 00:22

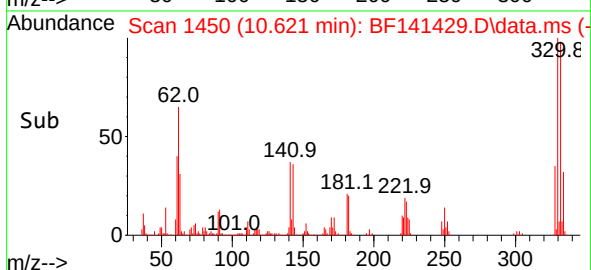
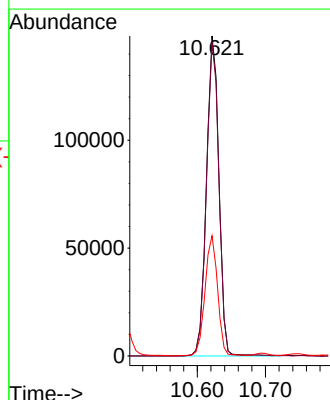
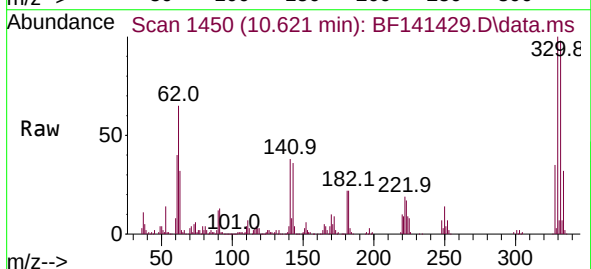
Tgt Ion:330 Resp: 189068

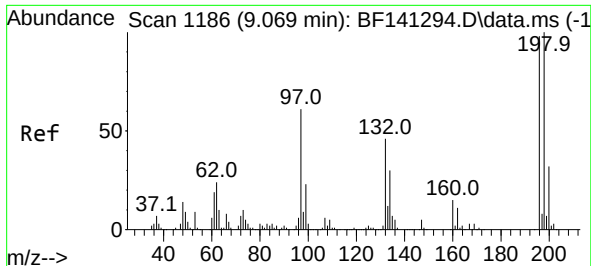
Ion Ratio Lower Upper

330 100

332 97.3 76.1 114.1

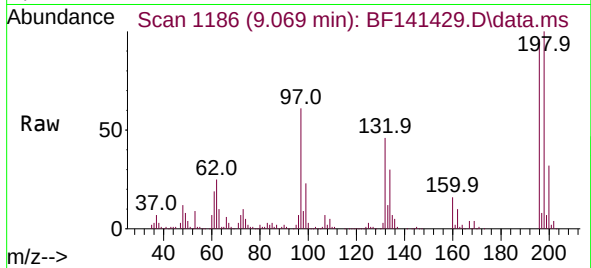
141 38.2 28.8 43.2





#43
2,4,6-Trichlorophenol
Concen: 44.630 ng
RT: 9.069 min Scan# 1186
Delta R.T. -0.006 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22

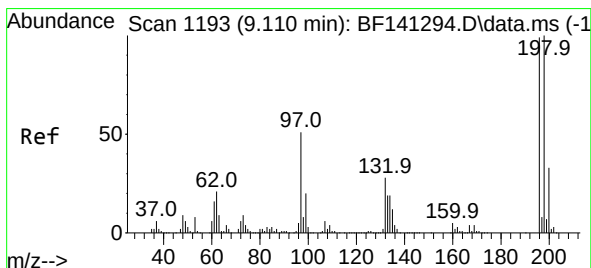
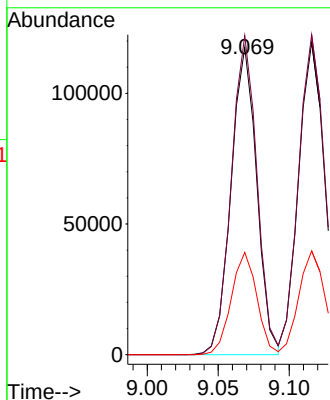
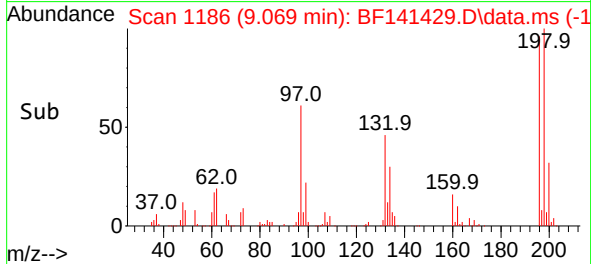
Instrument :
BNA_F
ClientSampleId :
72-11984MSD



Tgt Ion:196 Resp: 148619
Ion Ratio Lower Upper
196 100
198 103.7 81.8 122.6
200 33.3 26.3 39.5

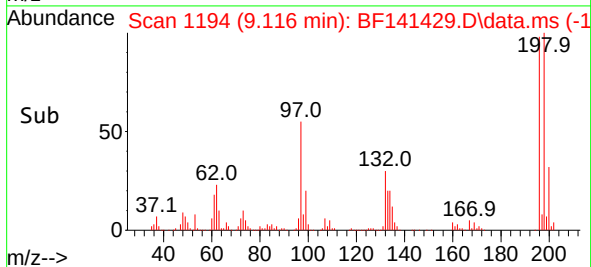
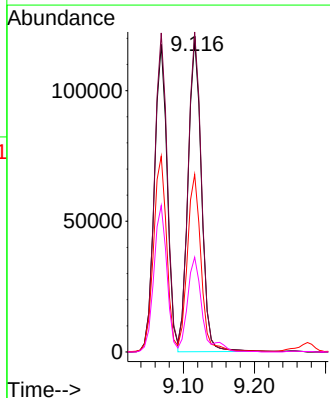
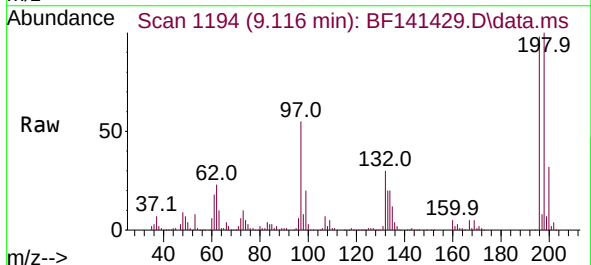
Manual Integrations
APPROVED

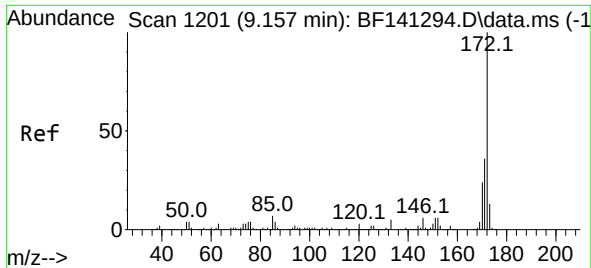
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#44
2,4,5-Trichlorophenol
Concen: 43.156 ng
RT: 9.116 min Scan# 1194
Delta R.T. -0.000 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22

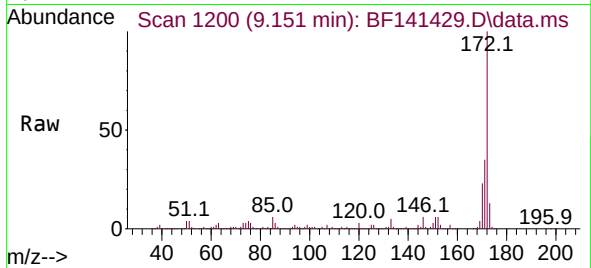
Tgt Ion:196 Resp: 156413
Ion Ratio Lower Upper
196 100
198 102.4 80.5 120.7
97 56.8 42.8 64.2
132 30.3 23.5 35.3





#45
2-Fluorobiphenyl
Concen: 74.110 ng
RT: 9.151 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22

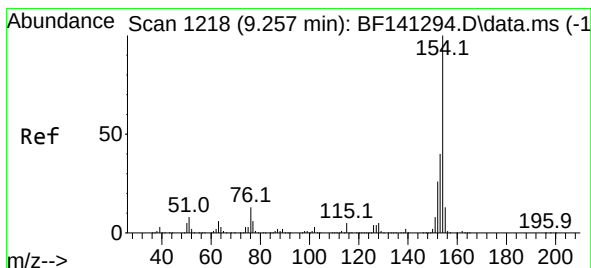
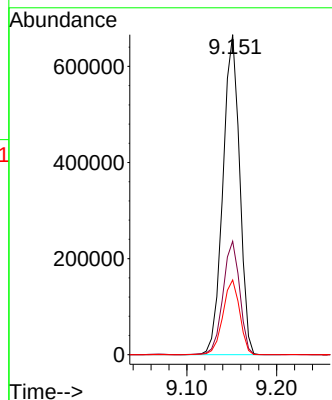
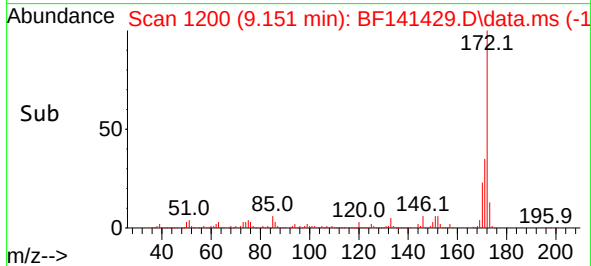
Instrument :
BNA_F
ClientSampleId :
72-11984MSD



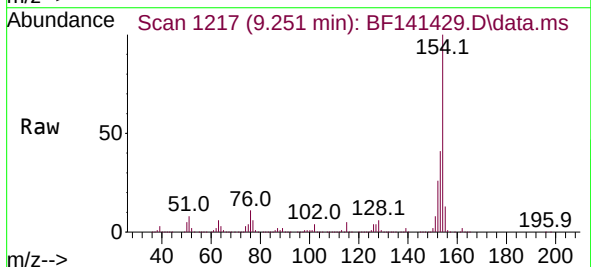
Tgt Ion:172 Resp: 86106
Ion Ratio Lower Upper
172 100
171 35.4 28.8 43.2
170 23.3 19.0 28.6

Manual Integrations
APPROVED

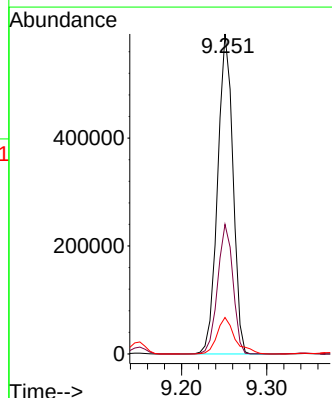
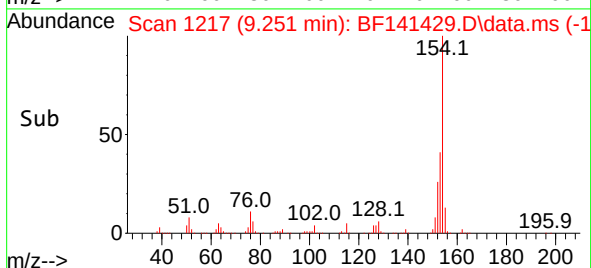
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

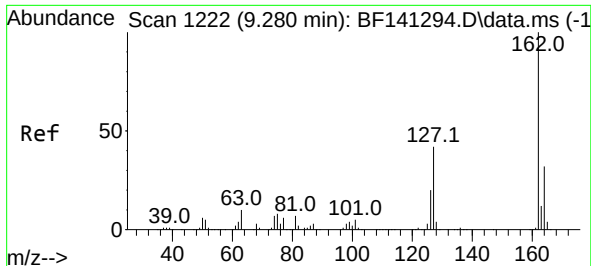


#46
1,1'-Biphenyl
Concen: 53.046 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.012 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22



Tgt Ion:154 Resp: 739826
Ion Ratio Lower Upper
154 100
153 40.5 20.0 60.0
76 11.4 0.0 32.8





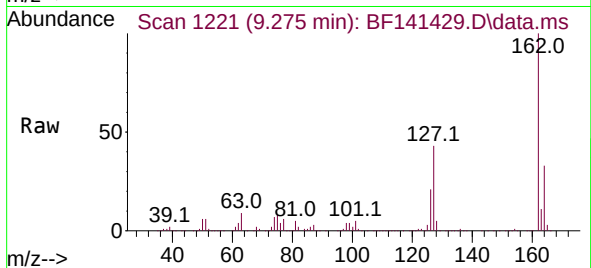
#47
2-Chloronaphthalene
Concen: 41.910 ng
RT: 9.275 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22

Instrument :

BNA_F

ClientSampleId :

72-11984MSD

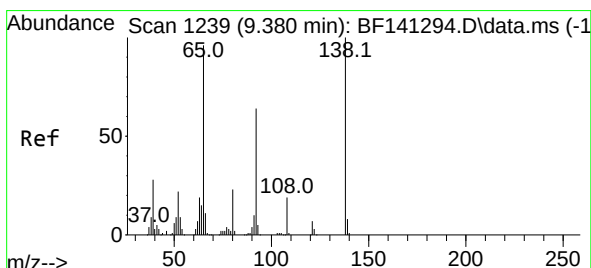
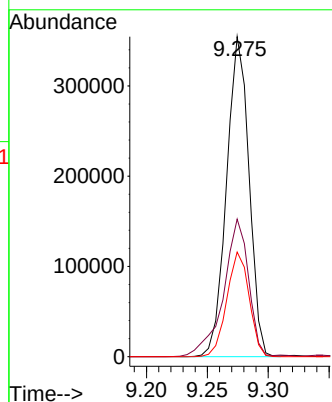
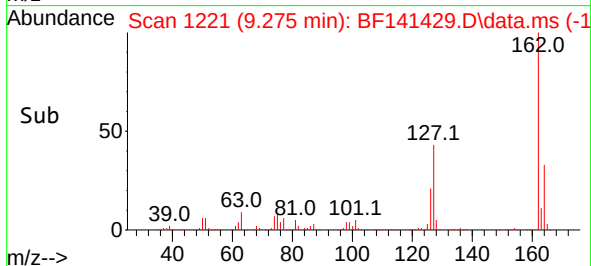


Tgt Ion:162 Resp: 455594
Ion Ratio Lower Upper
162 100
127 43.0 33.7 50.5
164 32.7 25.9 38.9

Manual Integrations

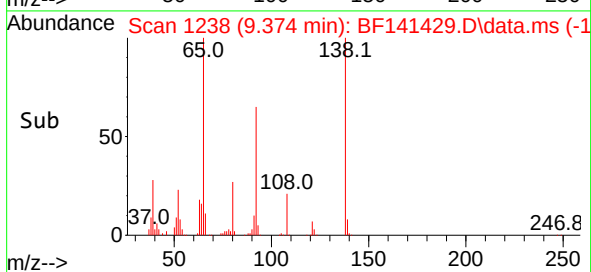
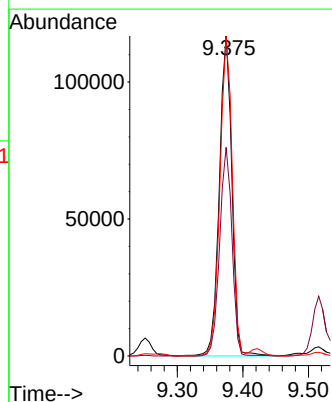
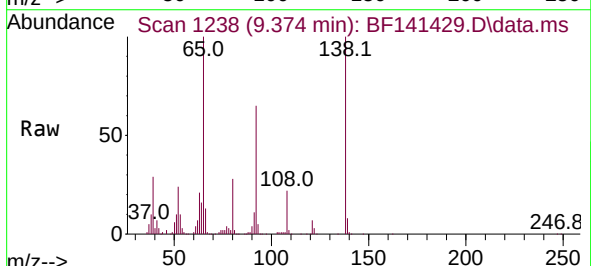
APPROVED

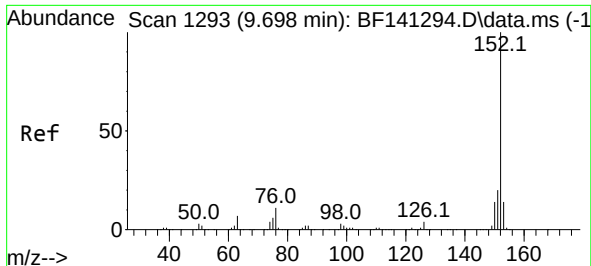
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#48
2-Nitroaniline
Concen: 45.090 ng
RT: 9.374 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22

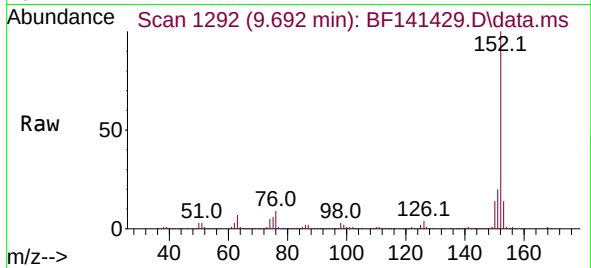
Tgt Ion: 65 Resp: 154176
Ion Ratio Lower Upper
65 100
92 65.2 53.3 79.9
138 99.8 83.6 125.4





#49
Acenaphthylene
Concen: 45.571 ng
RT: 9.692 min Scan# 1293
Delta R.T. -0.012 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22

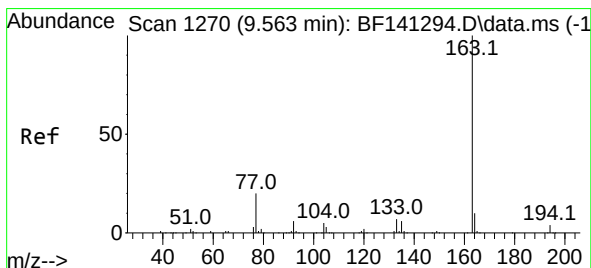
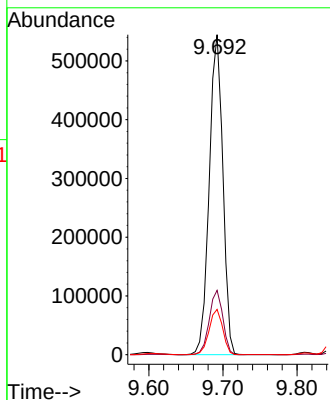
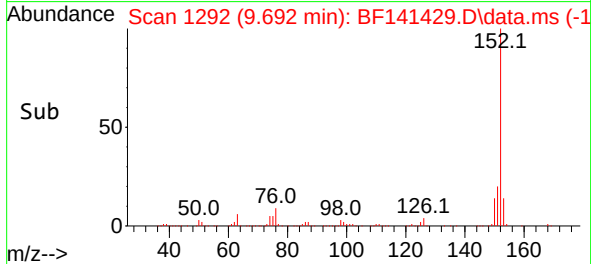
Instrument :
BNA_F
ClientSampleId :
72-11984MSD



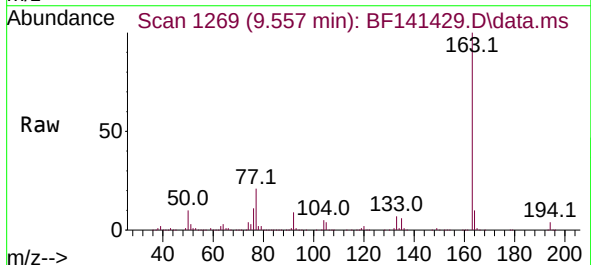
Tgt Ion:152 Resp: 693470
Ion Ratio Lower Upper
152 100
151 20.1 16.2 24.2
153 14.2 11.0 16.6

Manual Integrations
APPROVED

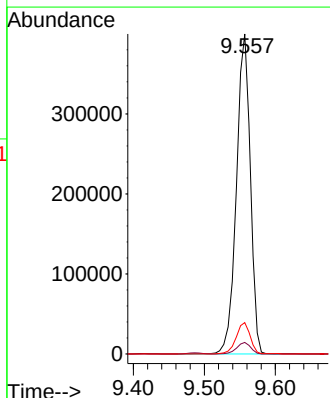
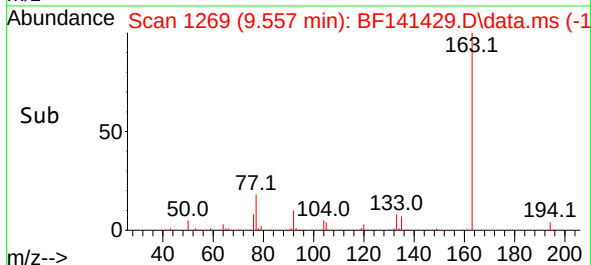
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

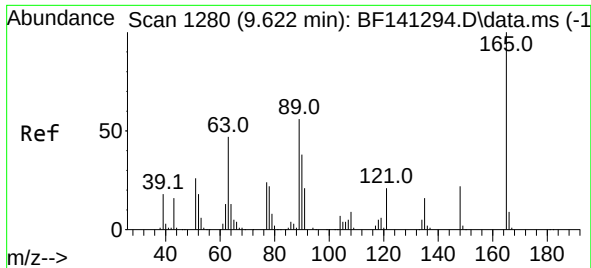


#50
Dimethylphthalate
Concen: 45.142 ng
RT: 9.557 min Scan# 1269
Delta R.T. -0.012 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22



Tgt Ion:163 Resp: 545241
Ion Ratio Lower Upper
163 100
194 3.6 3.0 4.6
164 9.8 8.0 12.0





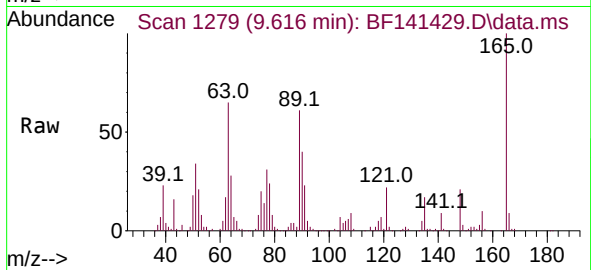
#51
2,6-Dinitrotoluene
Concen: 41.825 ng
RT: 9.616 min Scan# 11729
Delta R.T. -0.012 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22

Instrument :

BNA_F

ClientSampleId :

72-11984MSD

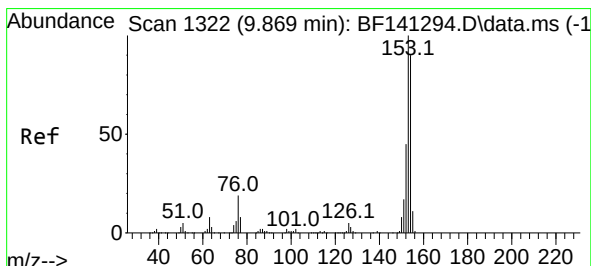
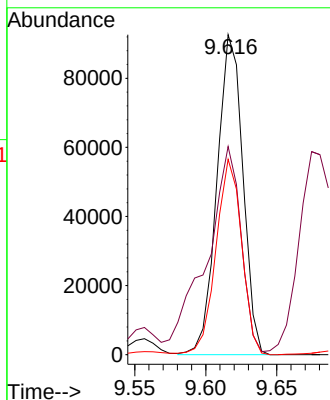
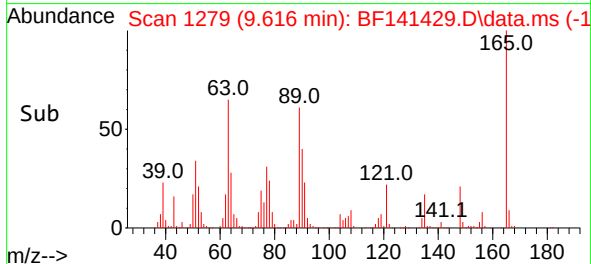


Tgt Ion:165 Resp: 11729
Ion Ratio Lower Upper
165 100
63 65.1 48.1 72.1
89 61.0 44.9 67.3

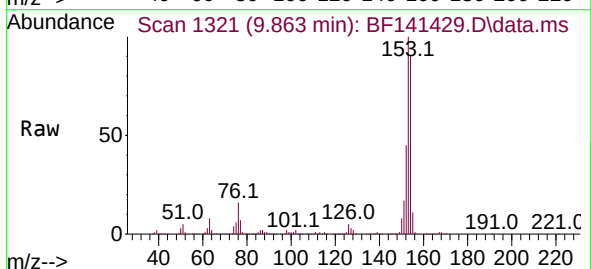
Manual Integrations

APPROVED

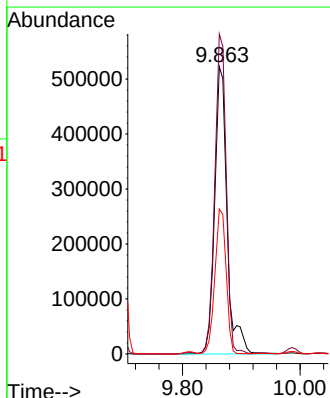
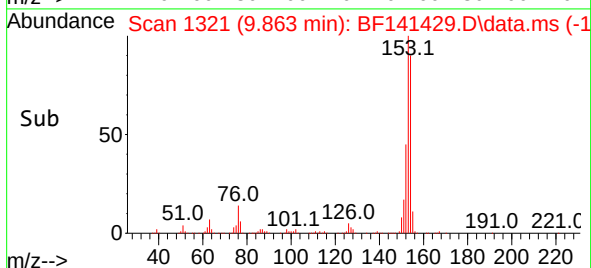
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

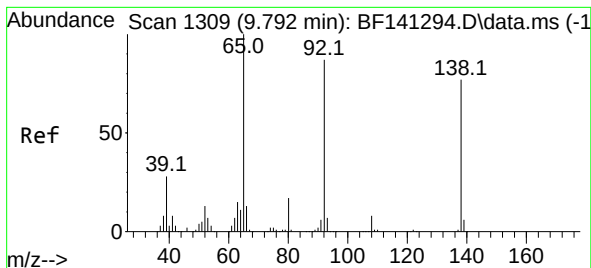


#52
Acenaphthene
Concen: 70.589 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.012 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22



Tgt Ion:154 Resp: 767390
Ion Ratio Lower Upper
154 100
153 111.4 89.0 133.4
152 50.5 40.2 60.4





#53

3-Nitroaniline

Concen: 19.861 ng

RT: 9.786 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141429.D

Acq: 05 Feb 2025 00:22

Instrument :

BNA_F

ClientSampleId :

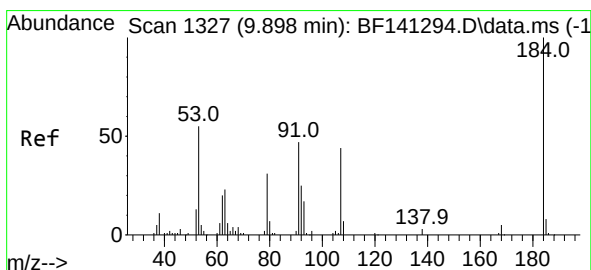
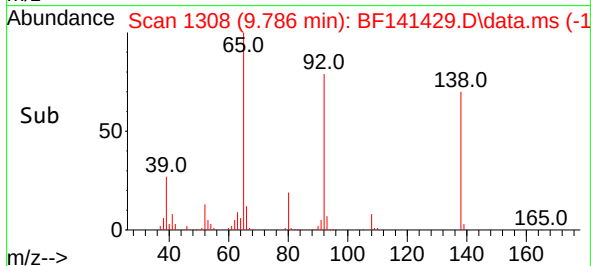
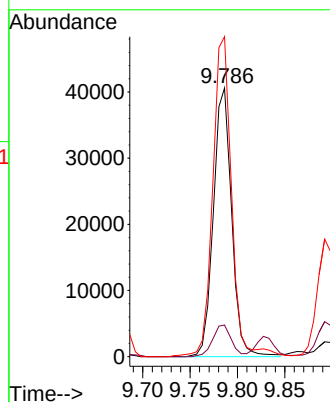
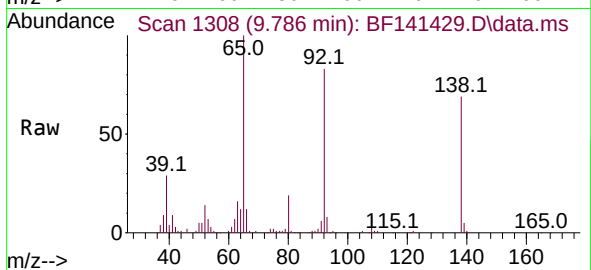
72-11984MSD

Tgt Ion:138 Resp: 5459

Ion	Ratio	Lower	Upper
138	100		
108	11.8	8.6	12.8
92	119.1	91.0	136.6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#54

2,4-Dinitrophenol

Concen: 72.192 ng

RT: 9.892 min Scan# 1326

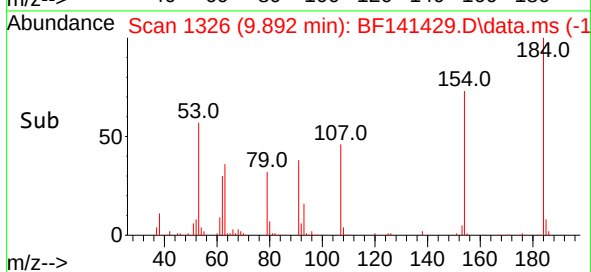
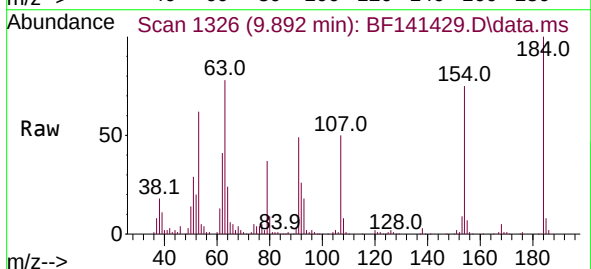
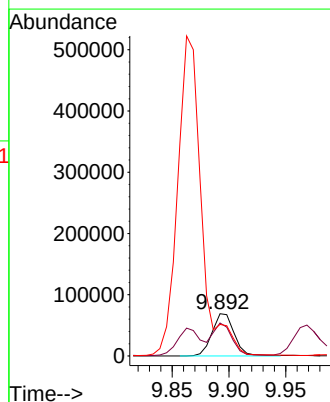
Delta R.T. -0.012 min

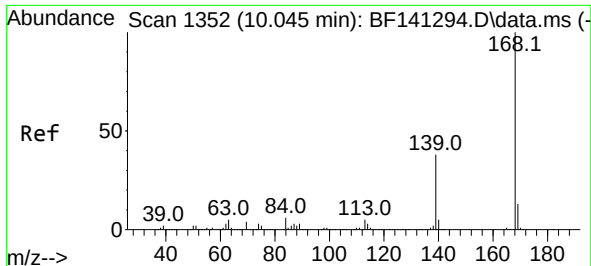
Lab File: BF141429.D

Acq: 05 Feb 2025 00:22

Tgt Ion:184 Resp: 94115

Ion	Ratio	Lower	Upper
184	100		
63	77.8	54.1	81.1
154	74.6	50.7	76.1





#55
Dibenzenofuran
Concen: 59.530 ng
RT: 10.039 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22

Instrument :

BNA_F

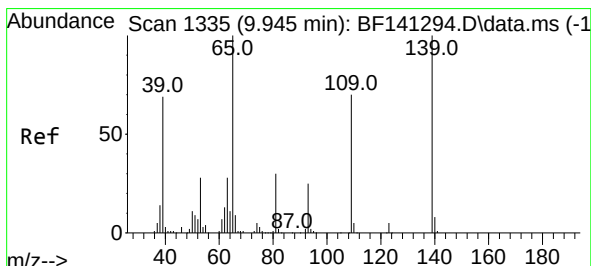
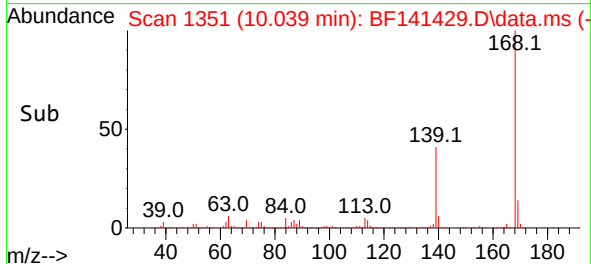
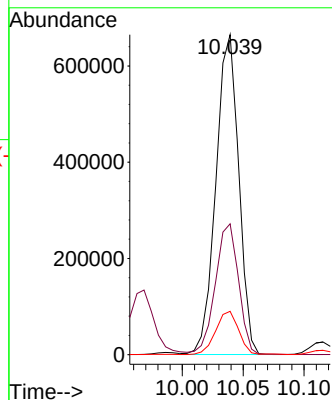
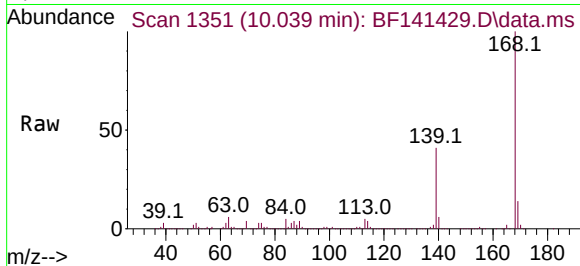
ClientSampleId :

72-11984MSD

Tgt Ion:168 Resp: 86626
Ion Ratio Lower Upper
168 100
139 40.9 30.6 46.0
169 13.6 10.8 16.2

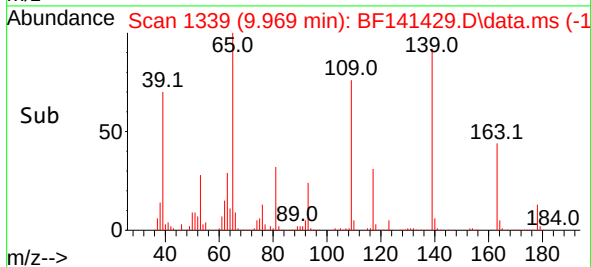
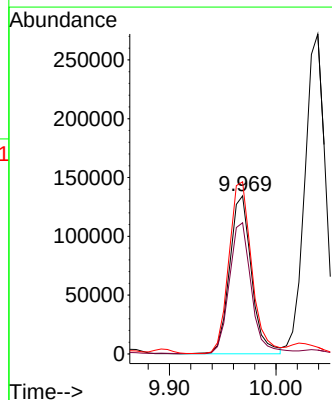
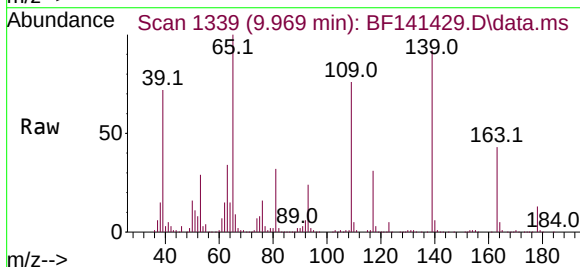
Manual Integrations
APPROVED

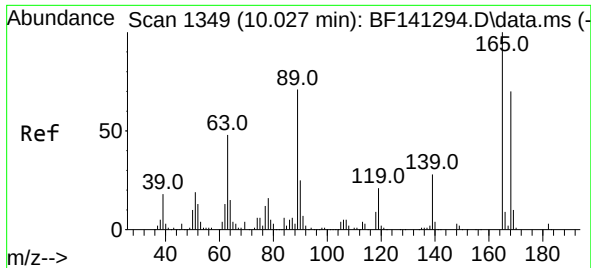
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#56
4-Nitrophenol
Concen: 95.512 ng
RT: 9.969 min Scan# 1339
Delta R.T. 0.012 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22

Tgt Ion:139 Resp: 191999
Ion Ratio Lower Upper
139 100
109 82.9 50.2 90.2
65 108.9 80.6 120.6





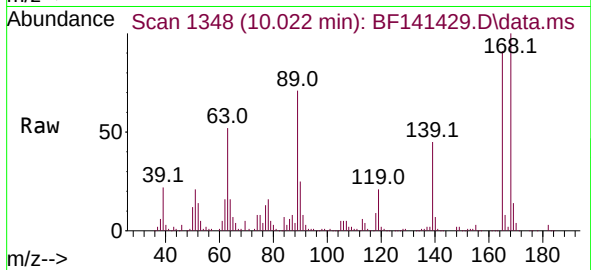
#57
2,4-Dinitrotoluene
Concen: 43.475 ng
RT: 10.022 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22

Instrument :

BNA_F

ClientSampleId :

72-11984MSD



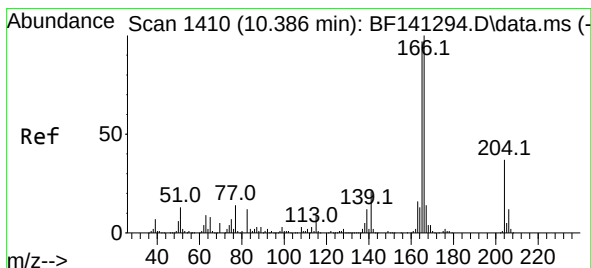
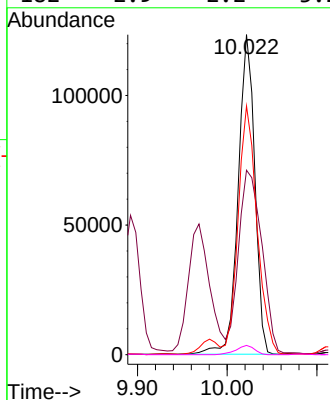
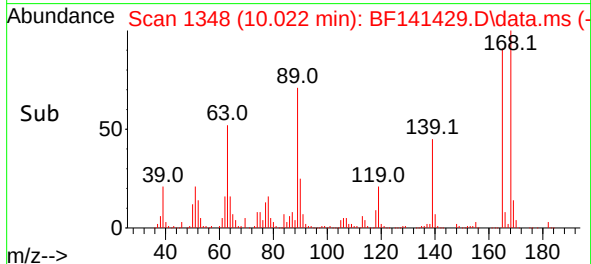
Tgt Ion:165 Resp: 157850
Ion Ratio Lower Upper
165 100
63 57.7 39.2 58.8
89 77.7 56.9 85.3
182 2.9 2.2 3.2

Manual Integrations

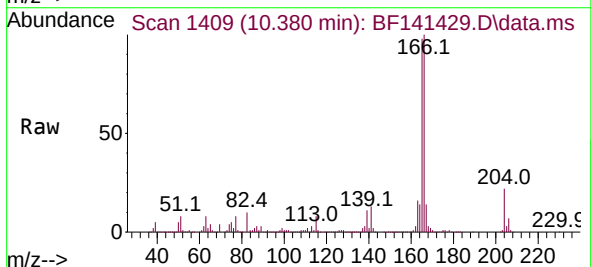
APPROVED

Reviewed By :Yogesh Patel 02/05/2025

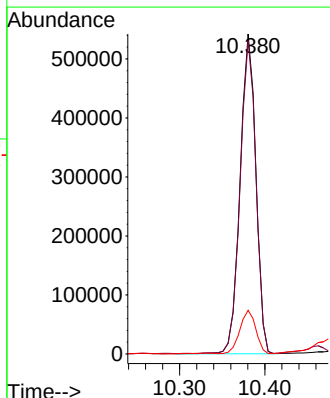
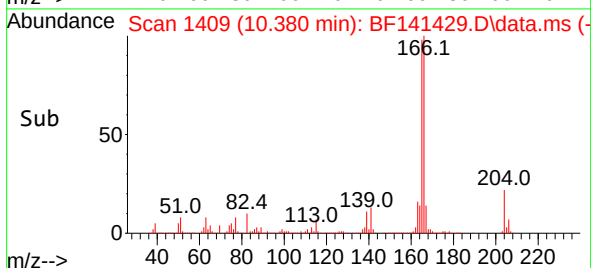
Supervised By :mohammad ahmed 02/05/2025

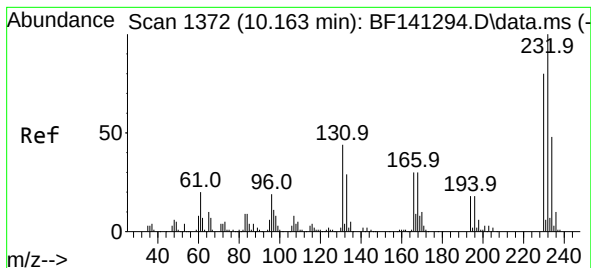


#58
Fluorene
Concen: 61.805 ng
RT: 10.380 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22



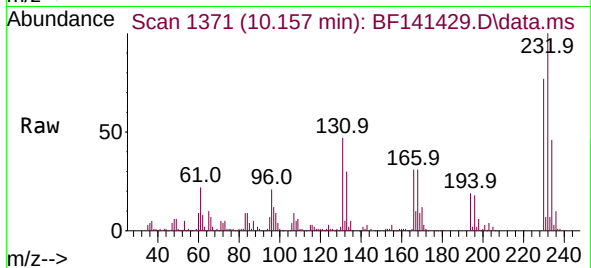
Tgt Ion:166 Resp: 697621
Ion Ratio Lower Upper
166 100
165 97.8 77.5 116.3
167 13.7 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 46.892 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22

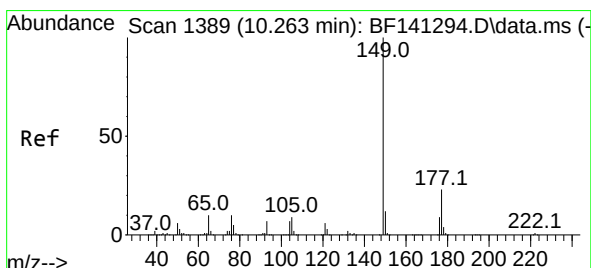
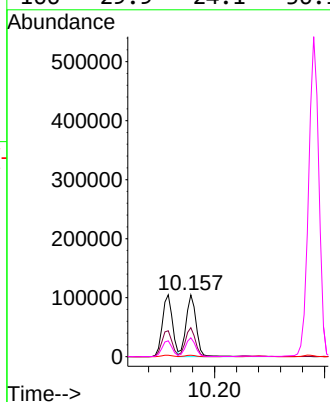
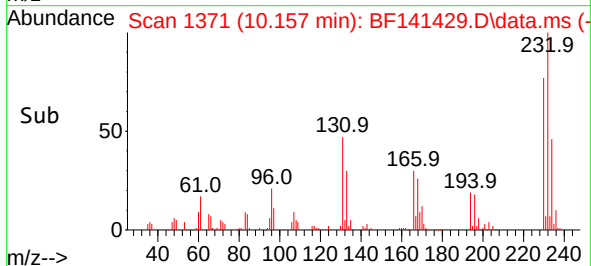
Instrument :
BNA_F
ClientSampleId :
72-11984MSD



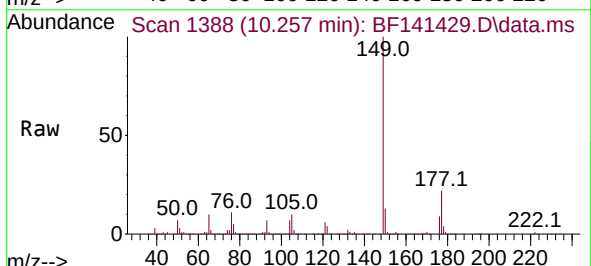
Tgt Ion:232 Resp: 133700
Ion Ratio Lower Upper
232 100
131 46.2 36.4 54.6
130 2.5 1.9 2.9
166 29.9 24.1 36.1

Manual Integrations
APPROVED

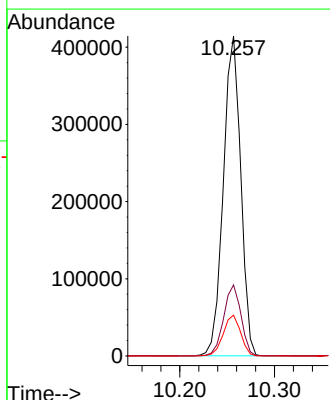
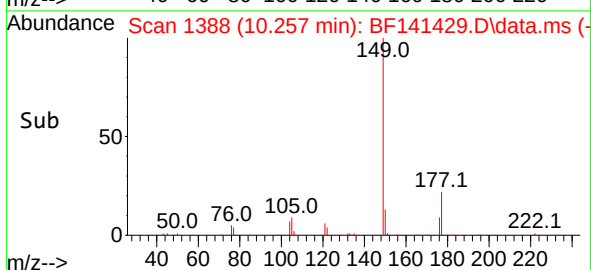
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

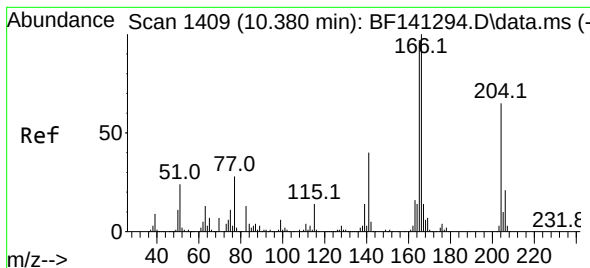


#60
Diethylphthalate
Concen: 45.172 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22



Tgt Ion:149 Resp: 529025
Ion Ratio Lower Upper
149 100
177 22.2 18.5 27.7
150 12.8 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 44.070 ng
RT: 10.374 min Scan# 1409
Delta R.T. -0.006 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22

Instrument :

BNA_F

ClientSampleId :

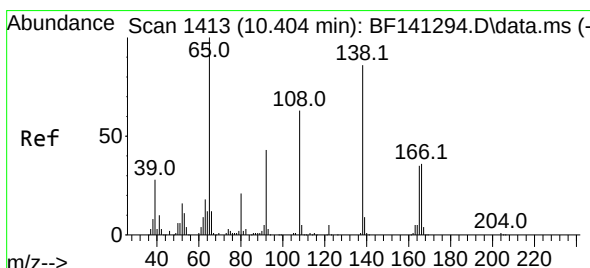
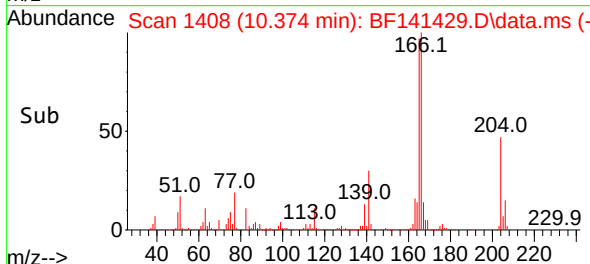
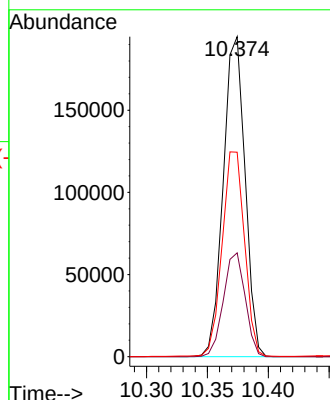
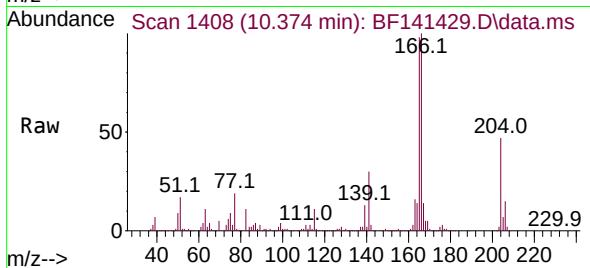
72-11984MSD

Tgt Ion:204 Resp: 24298
Ion Ratio Lower Upper
204 100
206 32.5 25.9 38.9
141 63.9 49.5 74.3

Manual Integrations

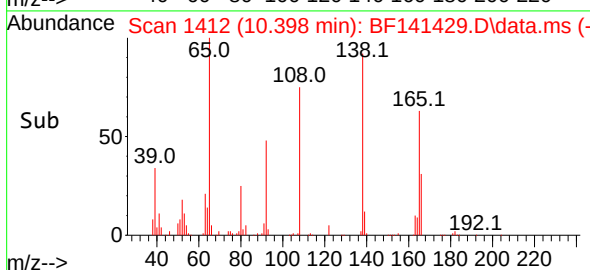
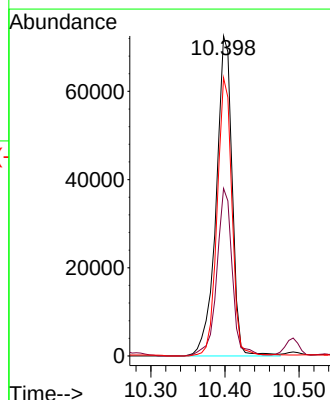
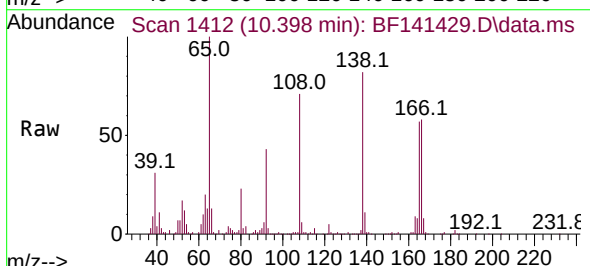
APPROVED

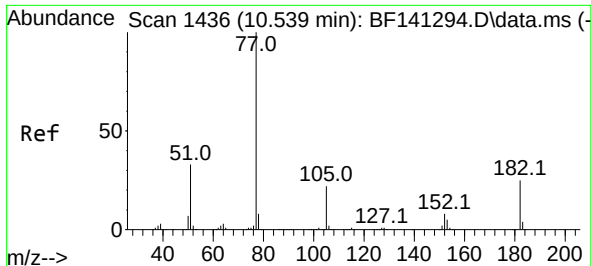
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#62
4-Nitroaniline
Concen: 40.254 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.018 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22

Tgt Ion:138 Resp: 108779
Ion Ratio Lower Upper
138 100
92 52.3 30.1 70.1
108 87.0 53.1 93.1





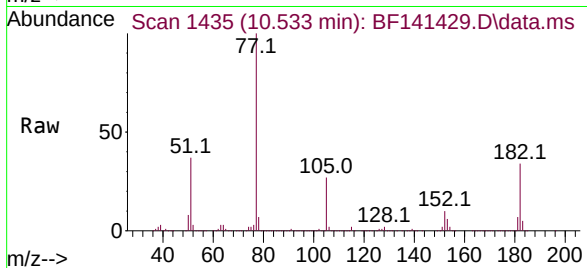
#63
Azobenzene
Concen: 51.213 ng
RT: 10.533 min Scan# 1435
Delta R.T. -0.012 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22

Instrument :

BNA_F

ClientSampleId :

72-11984MSD

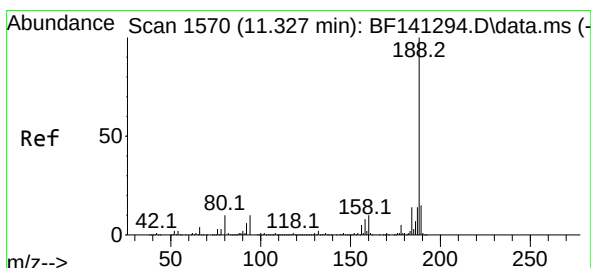
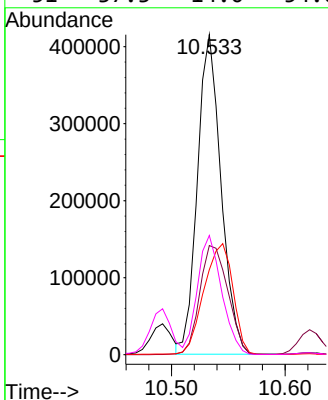
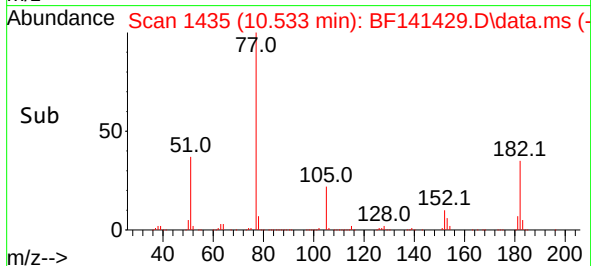


Tgt Ion: 77 Resp: 60036
Ion Ratio Lower Upper
77 100
182 34.1 5.1 45.1
105 26.6 1.8 41.8
51 37.3 14.0 54.0

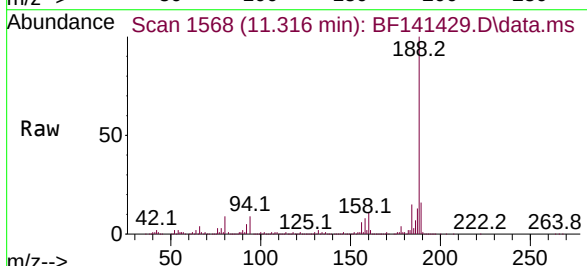
Manual Integrations

APPROVED

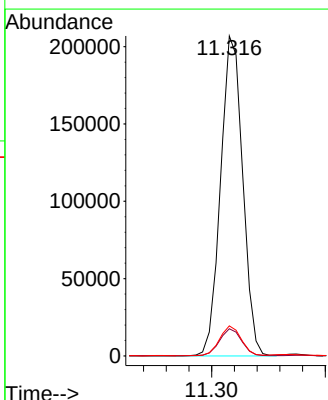
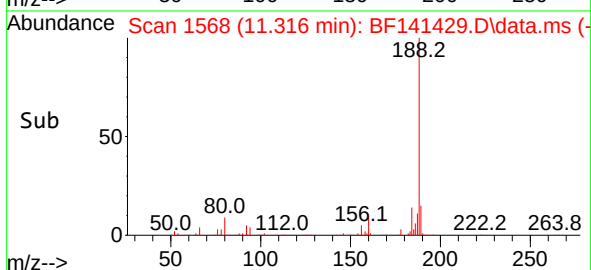
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

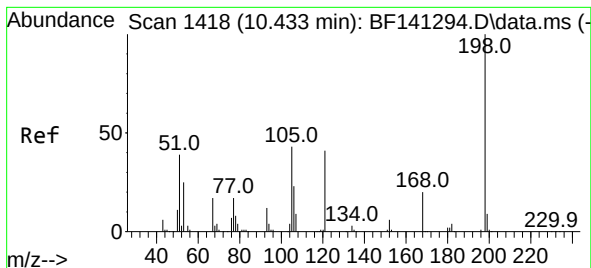


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22



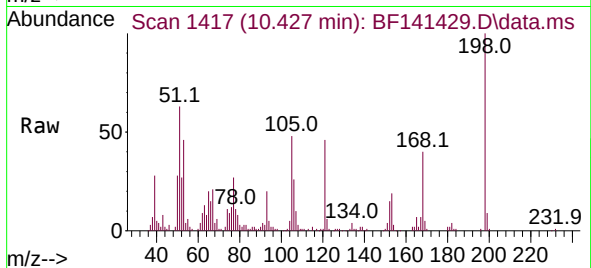
Tgt Ion:188 Resp: 279889
Ion Ratio Lower Upper
188 100
94 8.5 7.8 11.6
80 9.4 8.2 12.4





#65
4,6-Dinitro-2-methylphenol
Concen: 39.036 ng
RT: 10.427 min Scan# 1418
Delta R.T. -0.012 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22

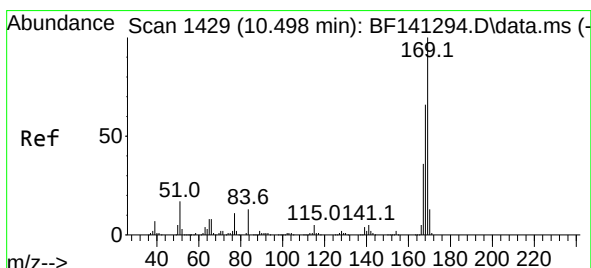
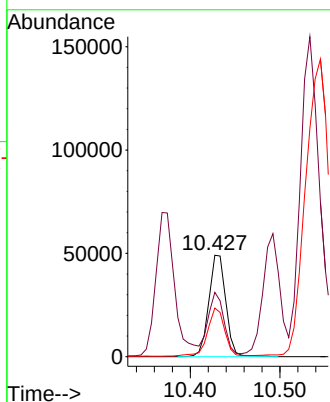
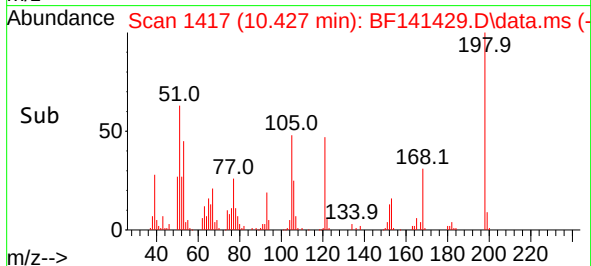
Instrument :
BNA_F
ClientSampleId :
72-11984MSD



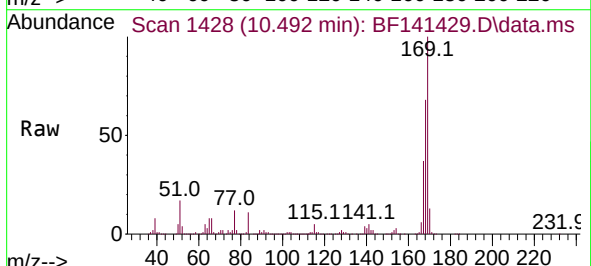
Tgt Ion:198 Resp: 64620
Ion Ratio Lower Upper
198 100
51 63.3 33.4 73.4
105 48.0 24.4 64.4

Manual Integrations
APPROVED

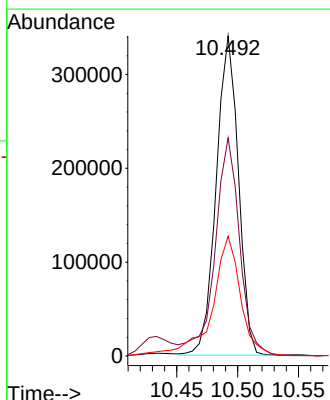
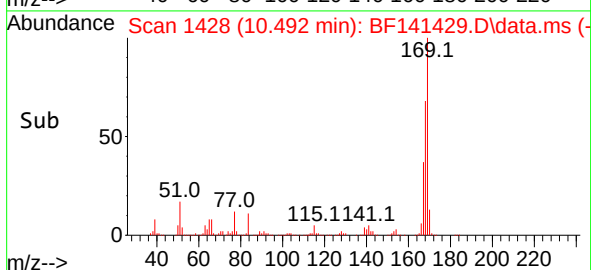
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

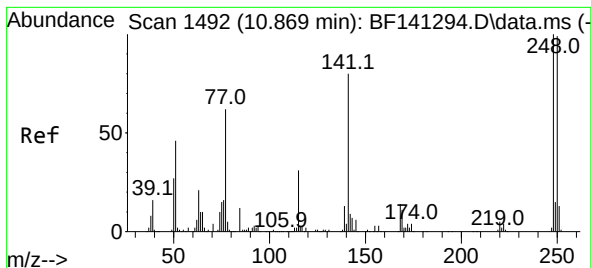


#66
n-Nitrosodiphenylamine
Concen: 47.674 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22



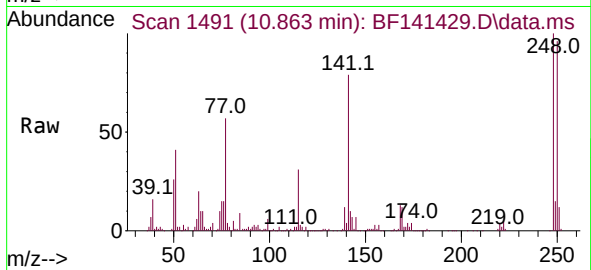
Tgt Ion:169 Resp: 431572
Ion Ratio Lower Upper
169 100
168 68.2 53.0 79.4
167 37.4 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 48.406 ng
RT: 10.863 min Scan# 1491
Delta R.T. -0.012 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22

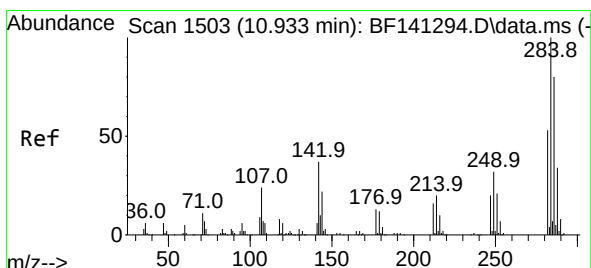
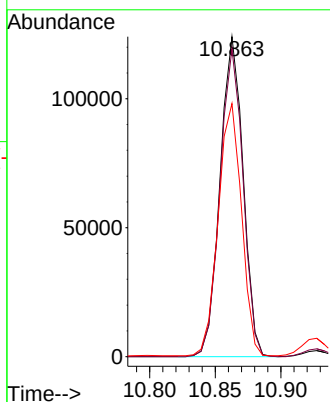
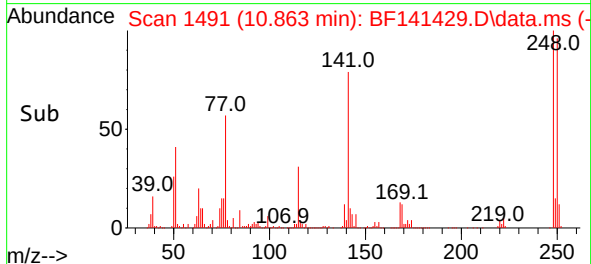
Instrument :
BNA_F
ClientSampleId :
72-11984MSD



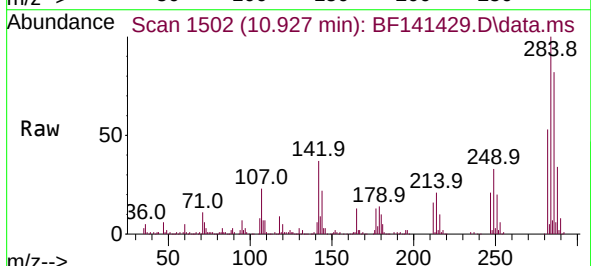
Tgt Ion:248 Resp: 151678
Ion Ratio Lower Upper
248 100
250 96.2 79.0 118.4
141 79.1 63.7 95.5

Manual Integrations
APPROVED

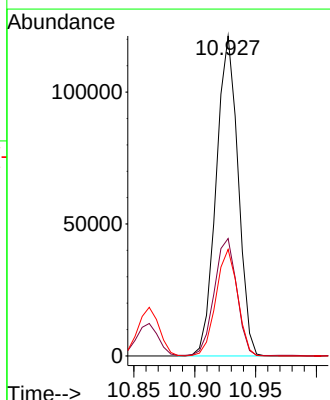
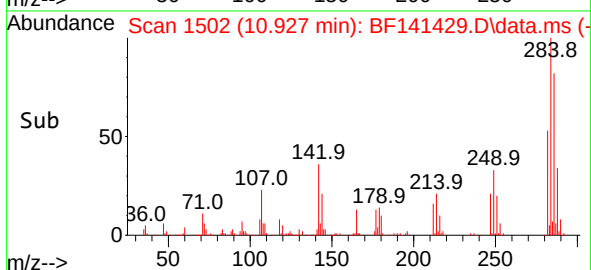
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

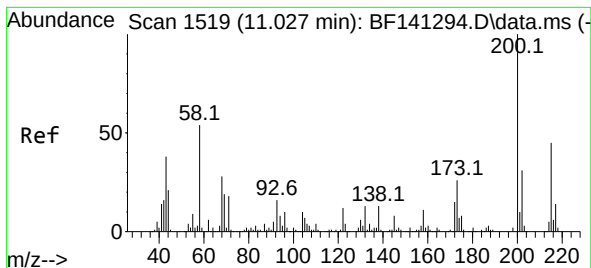


#68
Hexachlorobenzene
Concen: 45.602 ng
RT: 10.927 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22



Tgt Ion:284 Resp: 151574
Ion Ratio Lower Upper
284 100
142 36.7 29.5 44.3
249 33.3 25.4 38.2





#69

Atrazine

Concen: 53.375 ng

RT: 11.021 min Scan# 1519

Delta R.T. -0.012 min

Lab File: BF141429.D

Acq: 05 Feb 2025 00:22

Instrument :

BNA_F

ClientSampleId :

72-11984MSD

Tgt Ion:200 Resp: 16155

Ion Ratio Lower Upper

200 100

173 25.5 5.9 45.9

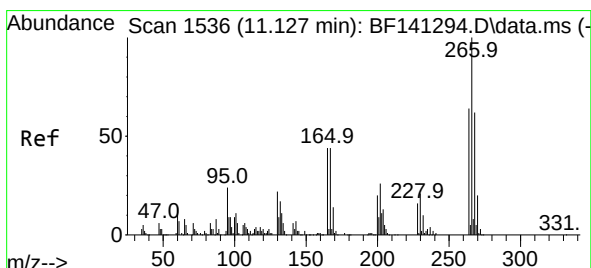
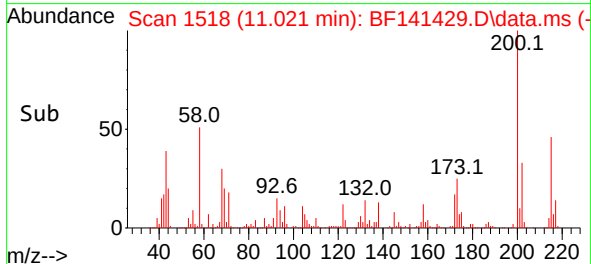
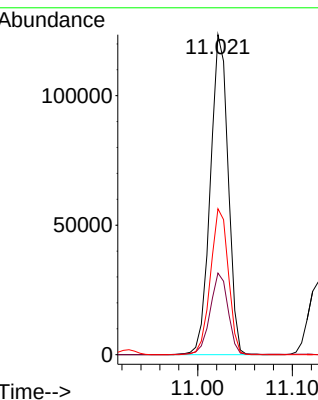
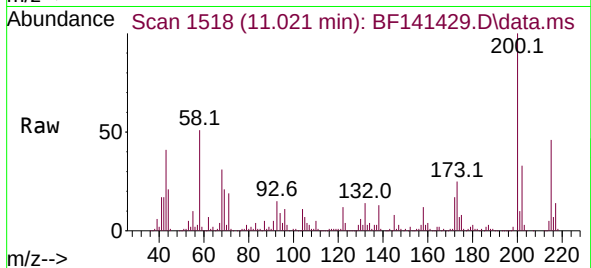
215 45.6 25.2 65.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#70

Pentachlorophenol

Concen: 98.521 ng

RT: 11.127 min Scan# 1536

Delta R.T. -0.006 min

Lab File: BF141429.D

Acq: 05 Feb 2025 00:22

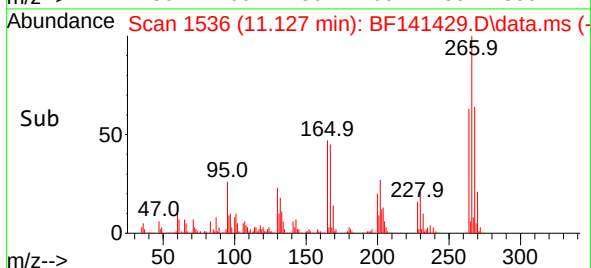
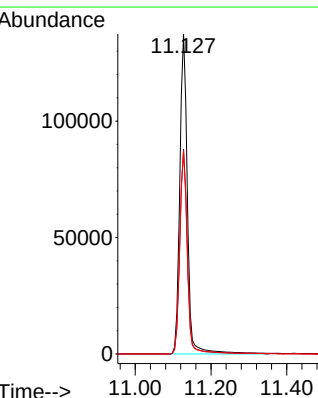
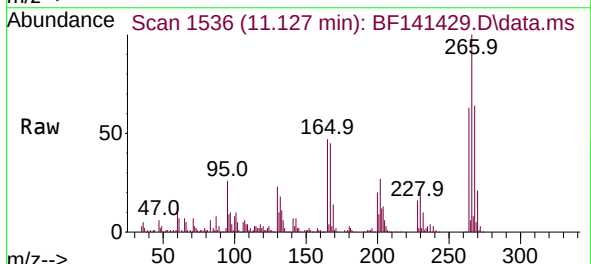
Tgt Ion:266 Resp: 191758

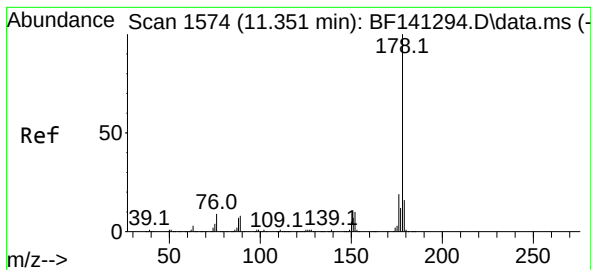
Ion Ratio Lower Upper

266 100

268 64.1 49.9 74.9

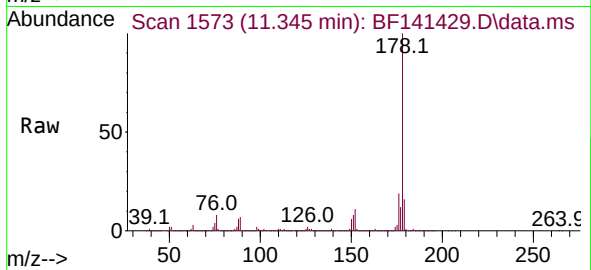
264 63.4 51.0 76.4





#71
Phenanthrene
Concen: 90.861 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22

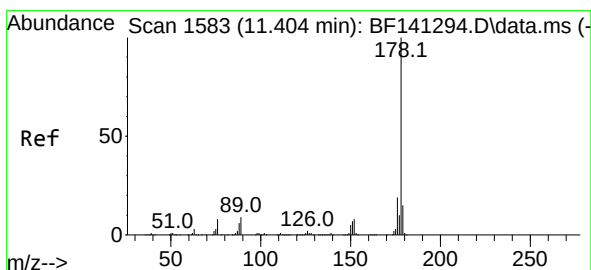
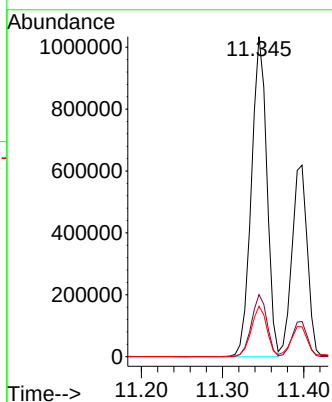
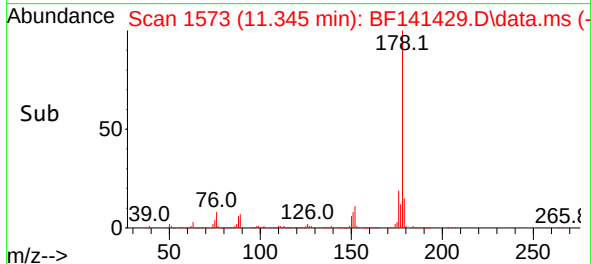
Instrument :
BNA_F
ClientSampleId :
72-11984MSD



Tgt Ion:178 Resp: 1367014
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 15.7 12.5 18.7

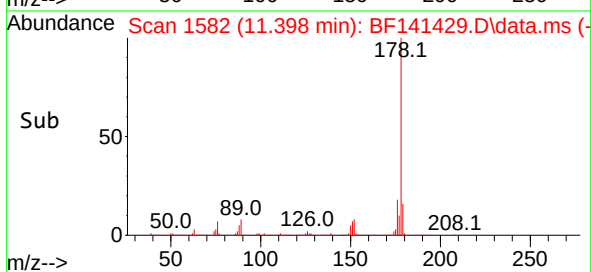
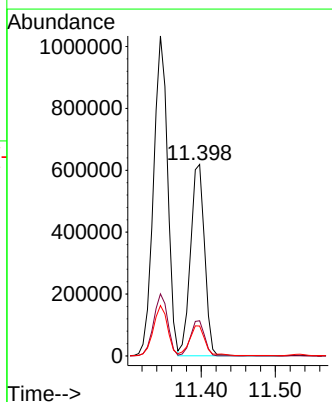
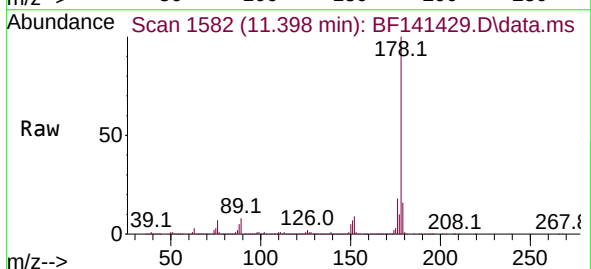
Manual Integrations
APPROVED

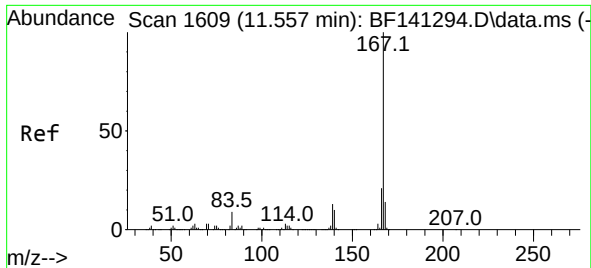
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#72
Anthracene
Concen: 55.198 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22

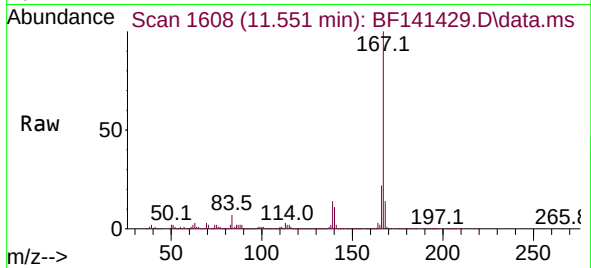
Tgt Ion:178 Resp: 813707
Ion Ratio Lower Upper
178 100
176 18.4 15.0 22.6
179 15.7 12.3 18.5





#73
Carbazole
Concen: 48.572 ng
RT: 11.551 min Scan# 1608
Delta R.T. -0.006 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22

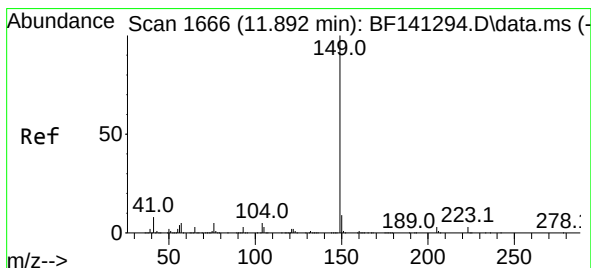
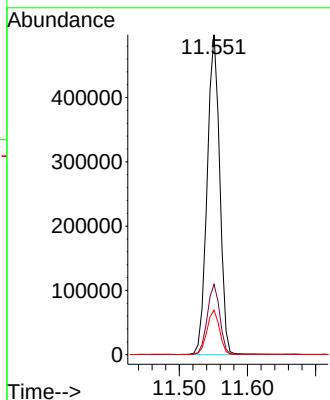
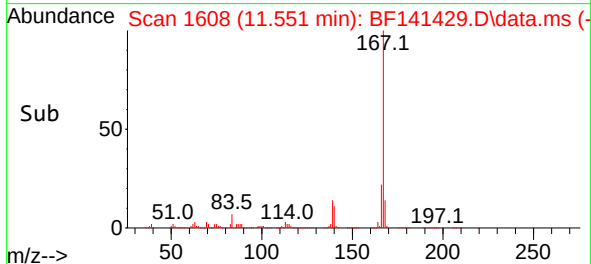
Instrument :
BNA_F
ClientSampleId :
72-11984MSD



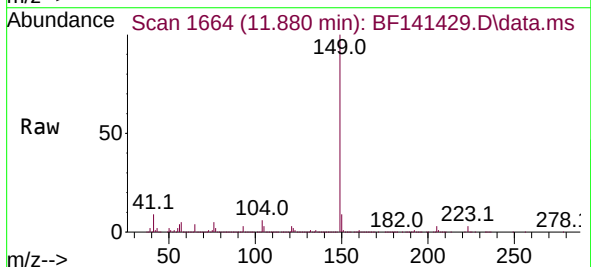
Tgt Ion:167 Resp: 634910
Ion Ratio Lower Upper
167 100
166 22.0 17.0 25.6
139 13.9 10.6 16.0

Manual Integrations
APPROVED

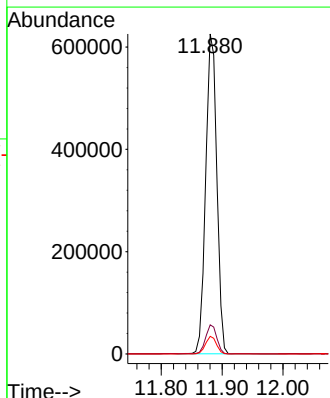
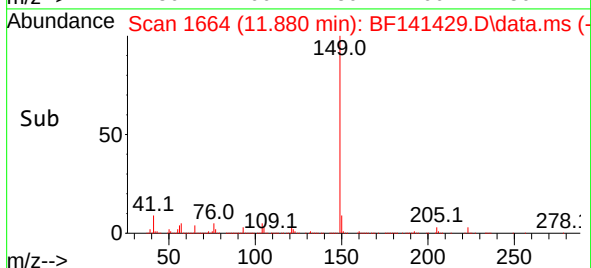
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

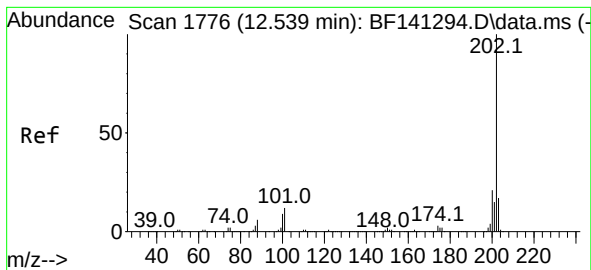


#74
Di-n-butylphthalate
Concen: 49.981 ng
RT: 11.880 min Scan# 1664
Delta R.T. -0.012 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22



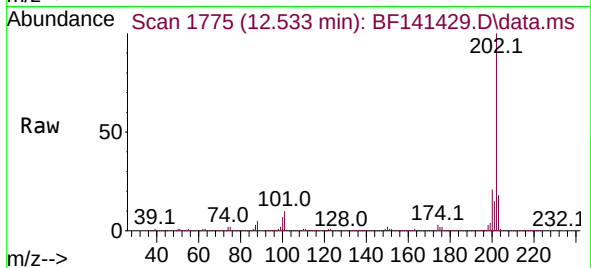
Tgt Ion:149 Resp: 791767
Ion Ratio Lower Upper
149 100
150 9.1 7.4 11.2
104 5.5 3.9 5.9





#75
Fluoranthene
Concen: 63.244 ng
RT: 12.533 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22

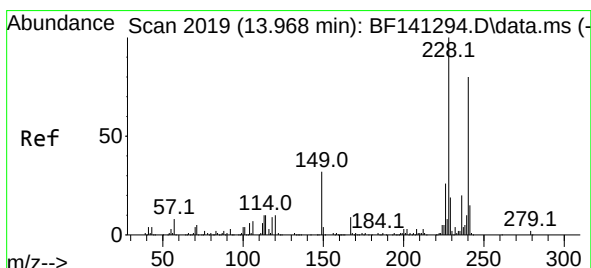
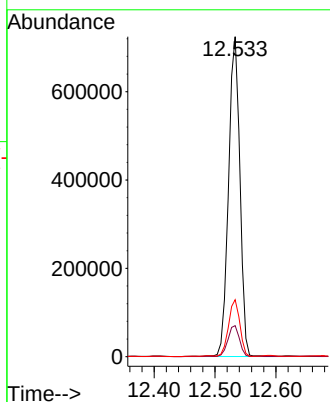
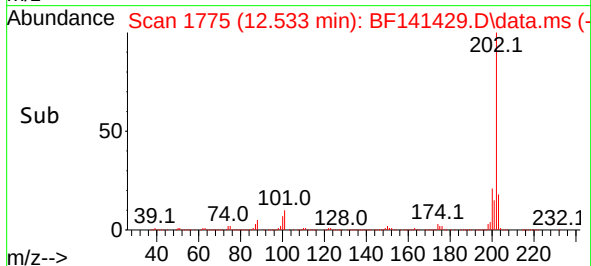
Instrument :
BNA_F
ClientSampleId :
72-11984MSD



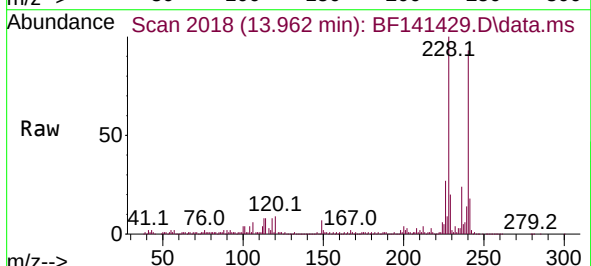
Tgt Ion:202 Resp: 939512
Ion Ratio Lower Upper
202 100
101 9.7 0.0 31.7
203 17.8 0.0 37.5

Manual Integrations
APPROVED

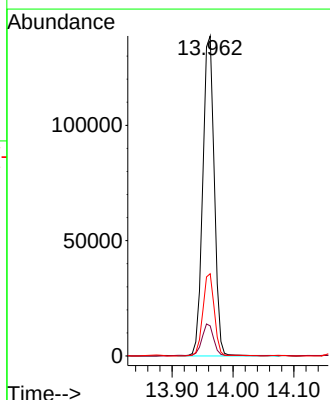
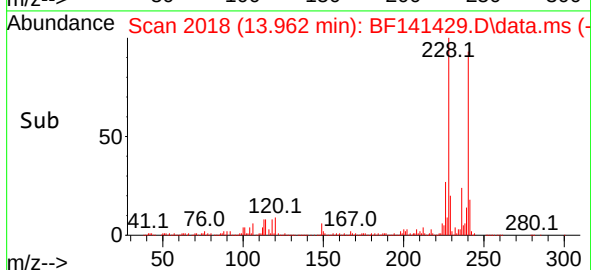
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

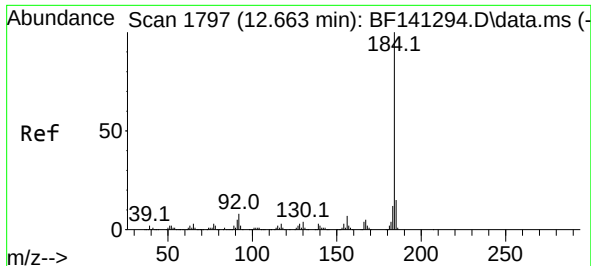


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.962 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22



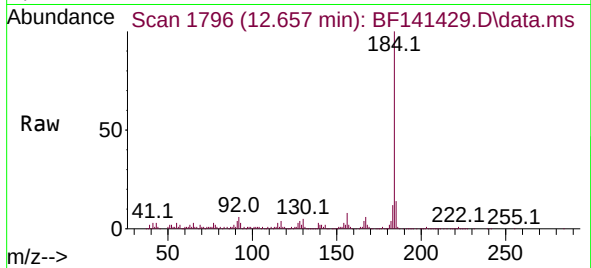
Tgt Ion:240 Resp: 182626
Ion Ratio Lower Upper
240 100
120 9.4 10.0 15.0#
236 25.7 19.7 29.5





#77
Benzidine
Concen: 35.574 ng
RT: 12.657 min Scan# 1796
Delta R.T. -0.006 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22

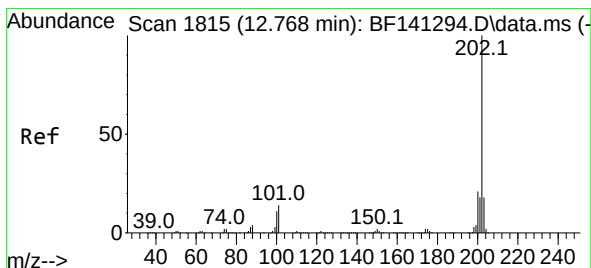
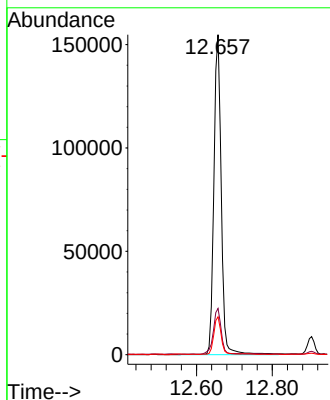
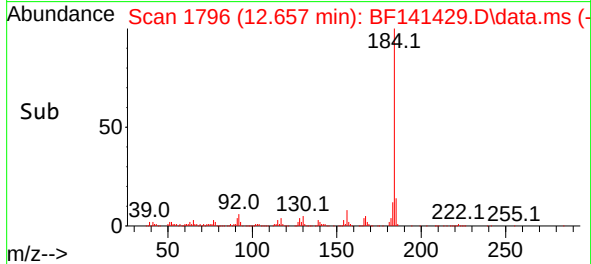
Instrument :
BNA_F
ClientSampleId :
72-11984MSD



Tgt Ion:184 Resp: 208275
Ion Ratio Lower Upper
184 100
185 14.4 11.9 17.9
183 11.8 9.5 14.3

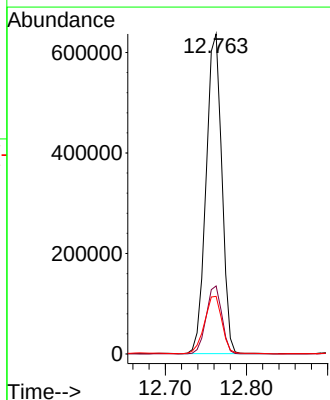
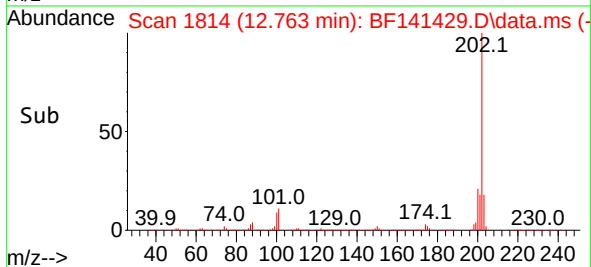
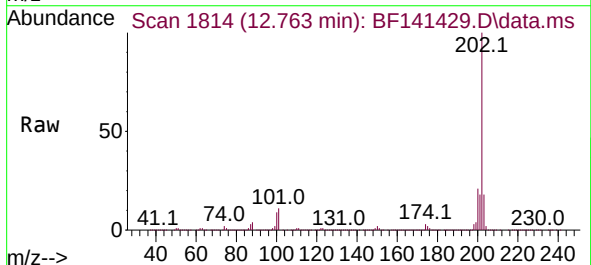
Manual Integrations
APPROVED

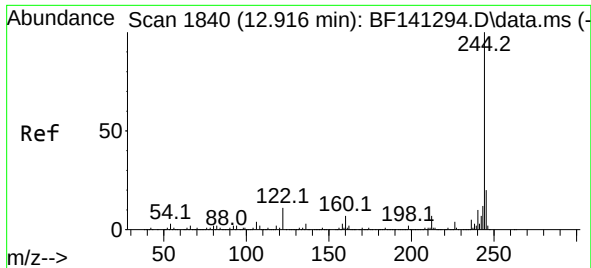
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#78
Pyrene
Concen: 48.700 ng
RT: 12.763 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22

Tgt Ion:202 Resp: 853725
Ion Ratio Lower Upper
202 100
200 21.3 17.0 25.4
203 18.0 14.3 21.5





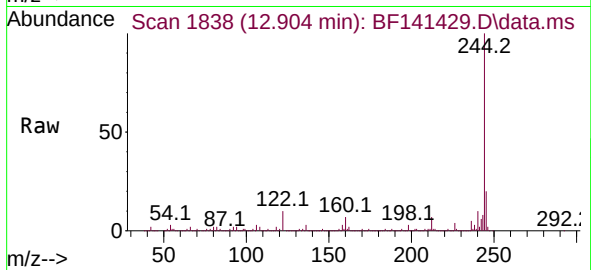
#79
 Terphenyl-d14
 Concen: 64.491 ng
 RT: 12.904 min Scan# 1838
 Delta R.T. -0.012 min
 Lab File: BF141429.D
 Acq: 05 Feb 2025 00:22

Instrument :

BNA_F

ClientSampleId :

72-11984MSD

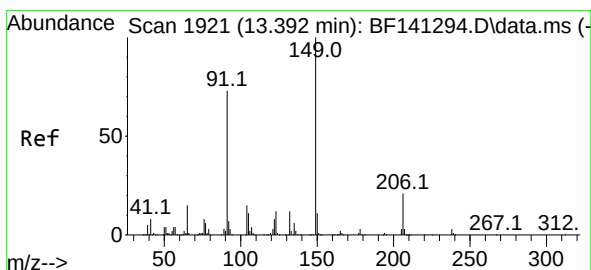
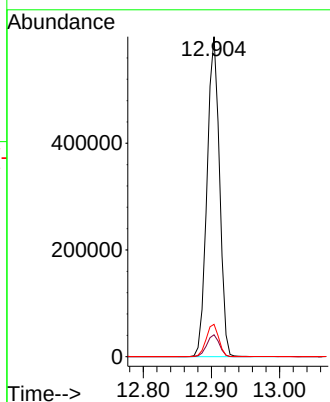
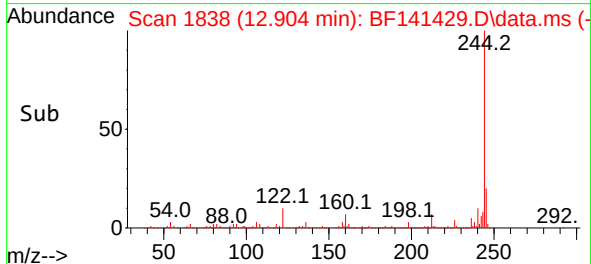


Tgt Ion:244 Resp: 763709
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 10.1 8.8 13.2

Manual Integrations

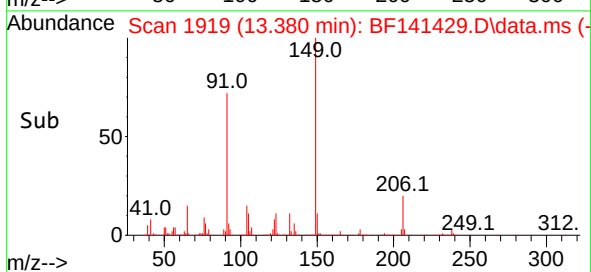
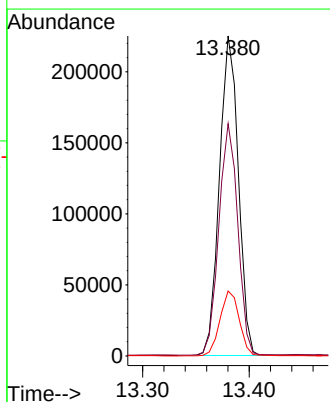
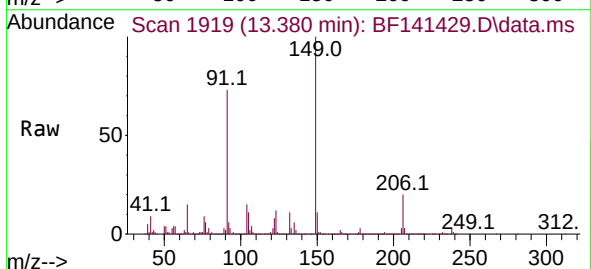
APPROVED

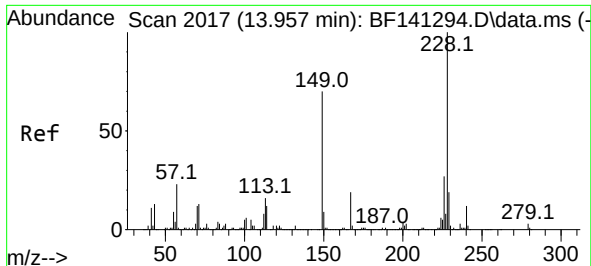
Reviewed By :Yogesh Patel 02/05/2025
 Supervised By :mohammad ahmed 02/05/2025



#80
 Butylbenzylphthalate
 Concen: 45.281 ng
 RT: 13.380 min Scan# 1919
 Delta R.T. -0.012 min
 Lab File: BF141429.D
 Acq: 05 Feb 2025 00:22

Tgt Ion:149 Resp: 277318
 Ion Ratio Lower Upper
 149 100
 91 72.6 58.6 87.8
 206 20.3 16.7 25.1





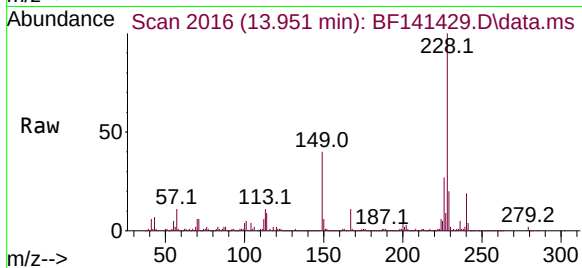
#81
Benzo(a)anthracene
Concen: 47.288 ng
RT: 13.951 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22

Instrument :

BNA_F

ClientSampleId :

72-11984MSD

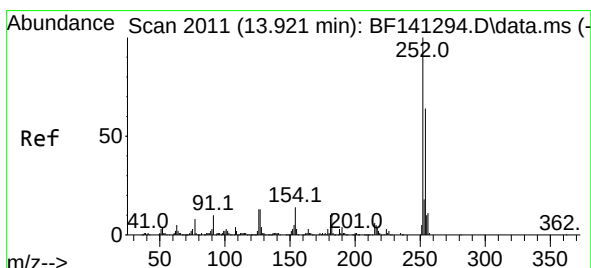
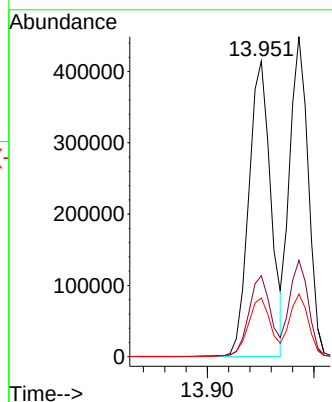
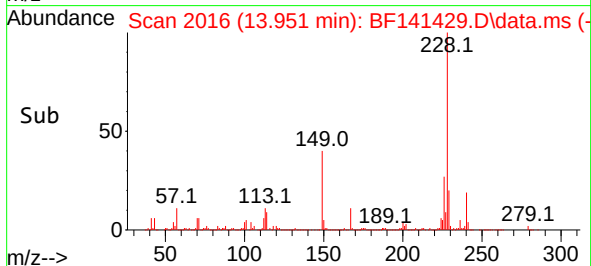


Tgt Ion:228 Resp: 59593
Ion Ratio Lower Upper
228 100
226 27.4 21.4 32.2
229 19.9 15.5 23.3

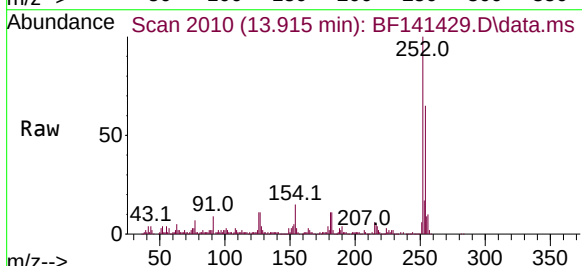
Manual Integrations

APPROVED

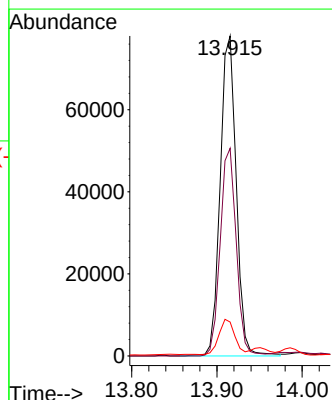
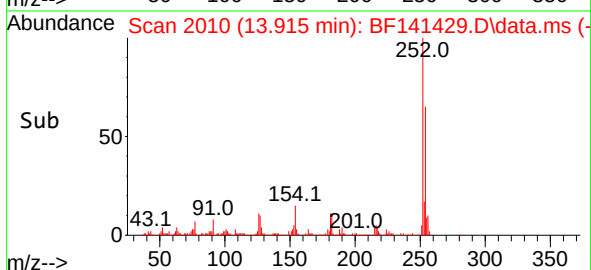
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

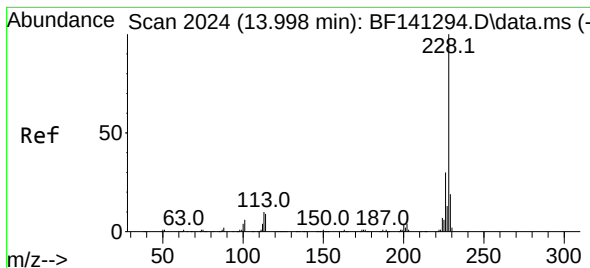


#82
3,3'-Dichlorobenzidine
Concen: 25.475 ng
RT: 13.915 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22



Tgt Ion:252 Resp: 102106
Ion Ratio Lower Upper
252 100
254 64.9 51.3 76.9
126 10.6 10.0 15.0





#83

Chrysene

Concen: 47.070 ng

RT: 13.986 min Scan# 2014

Delta R.T. -0.012 min

Lab File: BF141429.D

Acq: 05 Feb 2025 00:22

Instrument :

BNA_F

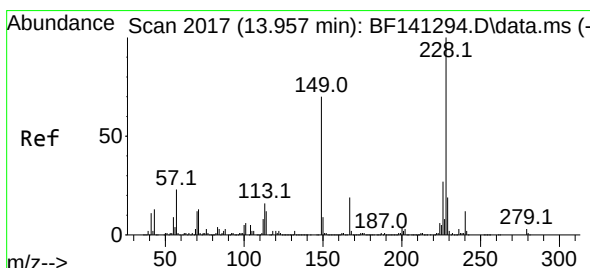
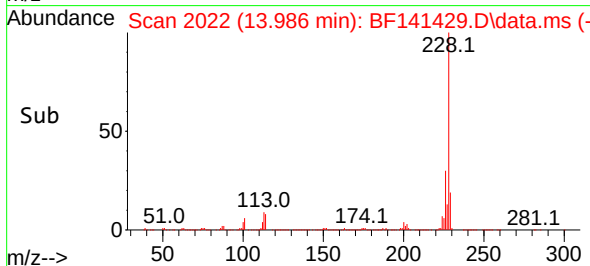
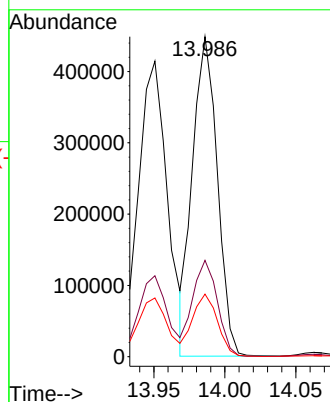
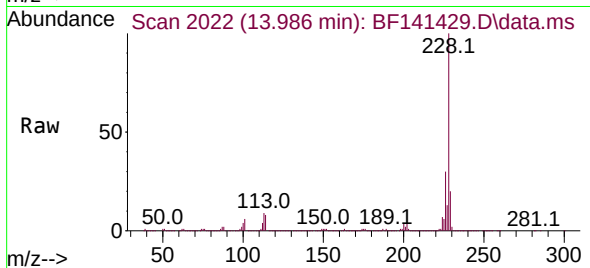
ClientSampleId :

72-11984MSD

Tgt Ion:228 Resp: 54364
 Ion Ratio Lower Upper
 228 100
 226 30.1 24.1 36.1
 229 19.5 15.6 23.4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/05/2025
 Supervised By :mohammad ahmed 02/05/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 47.653 ng

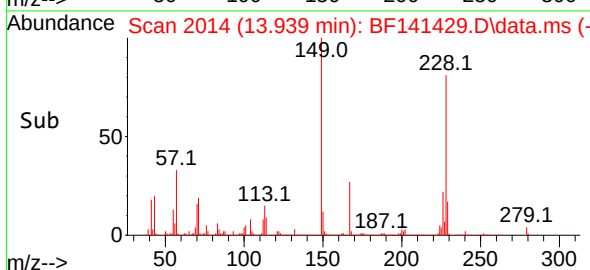
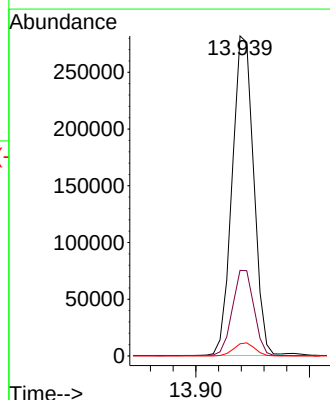
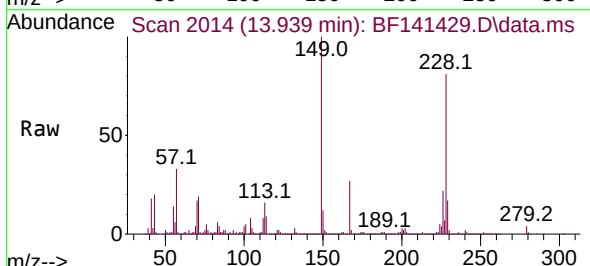
RT: 13.939 min Scan# 2014

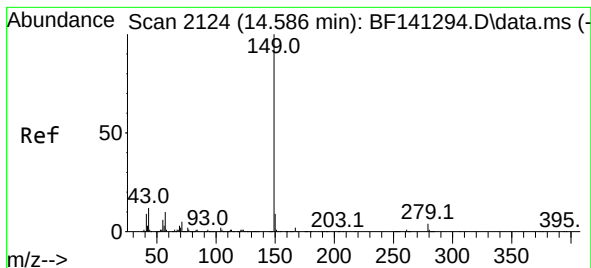
Delta R.T. -0.018 min

Lab File: BF141429.D

Acq: 05 Feb 2025 00:22

Tgt Ion:149 Resp: 370220
 Ion Ratio Lower Upper
 149 100
 167 26.8 21.8 32.8
 279 3.8 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 51.514 ng

RT: 14.562 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF141429.D

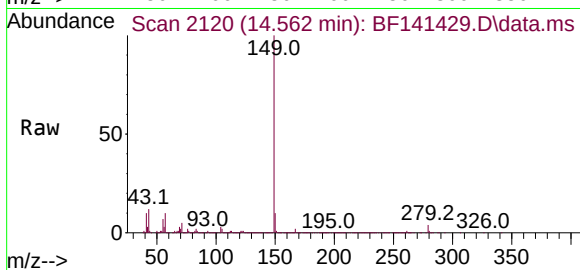
Acq: 05 Feb 2025 00:22

Instrument :

BNA_F

ClientSampleId :

72-11984MSD



Tgt Ion:149 Resp: 621600

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

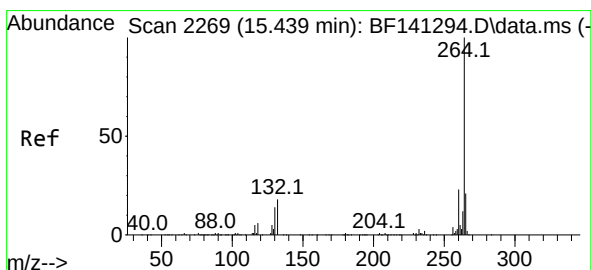
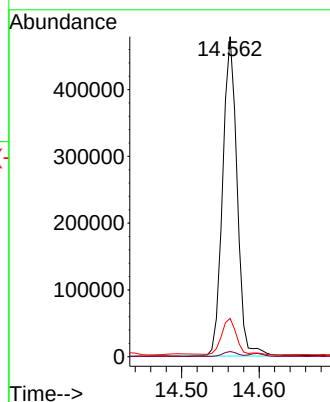
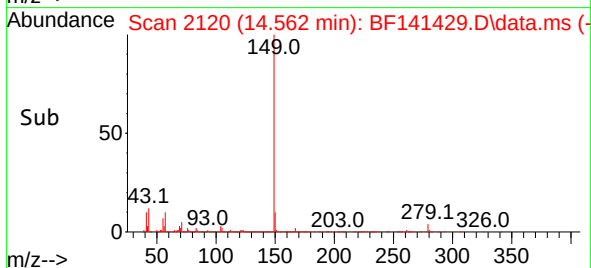
43 12.2 9.8 14.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 2265

Delta R.T. -0.024 min

Lab File: BF141429.D

Acq: 05 Feb 2025 00:22

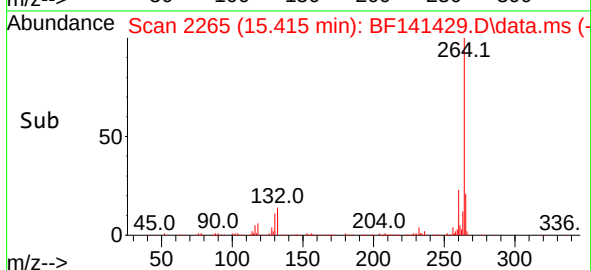
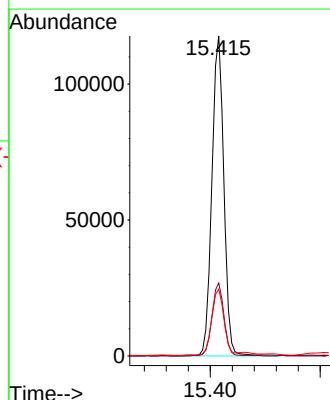
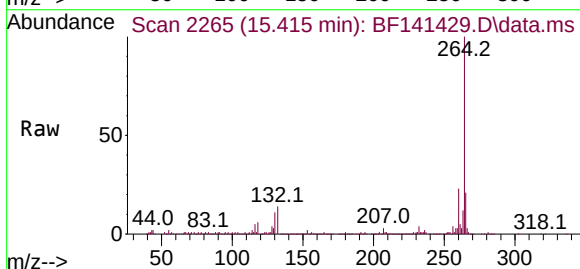
Tgt Ion:264 Resp: 177800

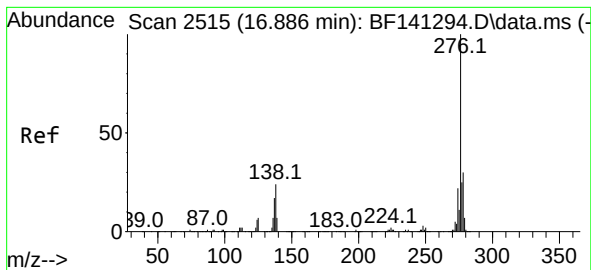
Ion Ratio Lower Upper

264 100

260 22.9 18.6 27.8

265 20.9 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 37.697 ng

RT: 16.856 min Scan# 2194

Delta R.T. -0.041 min

Lab File: BF141429.D

Acq: 05 Feb 2025 00:22

Instrument :

BNA_F

ClientSampleId :

72-11984MSD

Tgt Ion:276 Resp: 432599

Ion Ratio Lower Upper

276 100

138 22.2 21.7 32.5

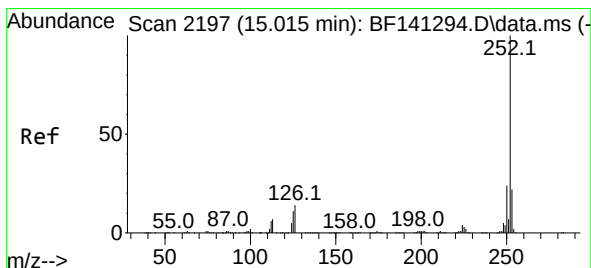
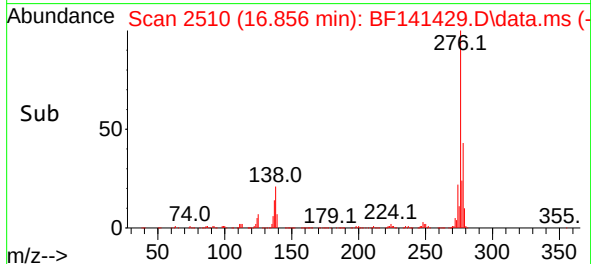
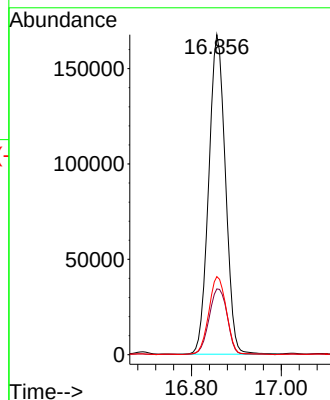
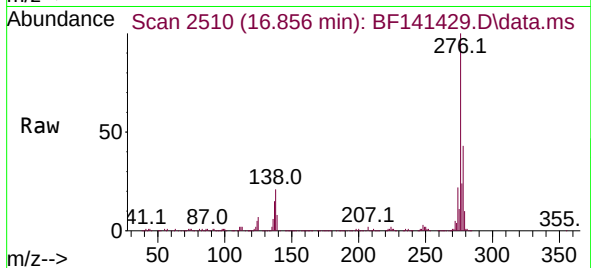
277 25.6 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#88

Benzo(b)fluoranthene

Concen: 50.497 ng

RT: 14.998 min Scan# 2194

Delta R.T. -0.024 min

Lab File: BF141429.D

Acq: 05 Feb 2025 00:22

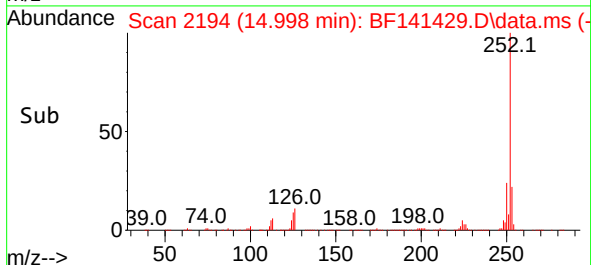
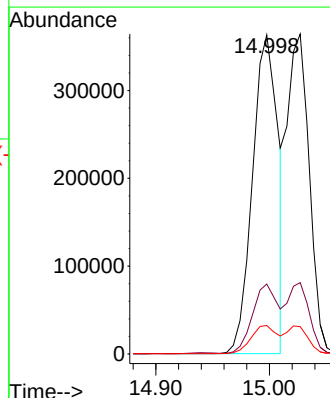
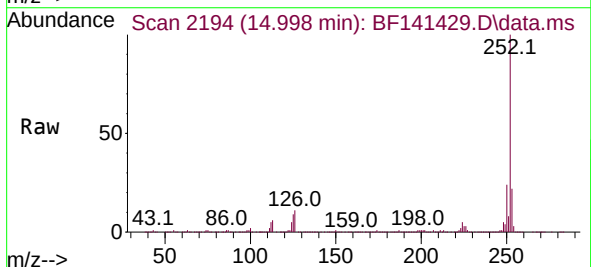
Tgt Ion:252 Resp: 564760

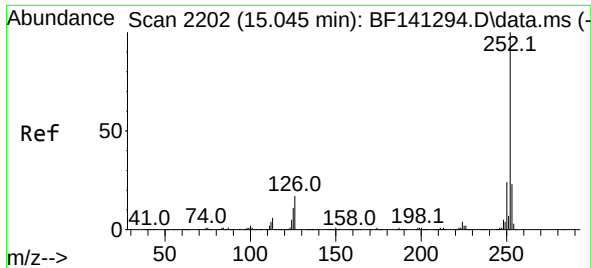
Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.2

125 8.9 8.6 12.8





#89
Benzo(k)fluoranthene
Concen: 49.367 ng
RT: 15.027 min Scan# 2199
Delta R.T. -0.024 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22

Instrument :

BNA_F

ClientSampleId :

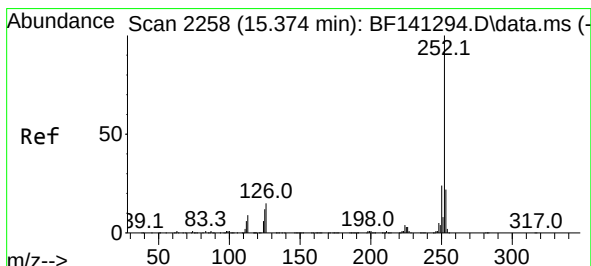
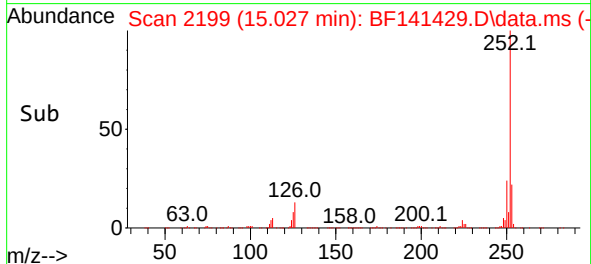
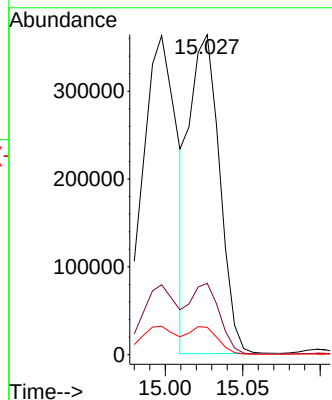
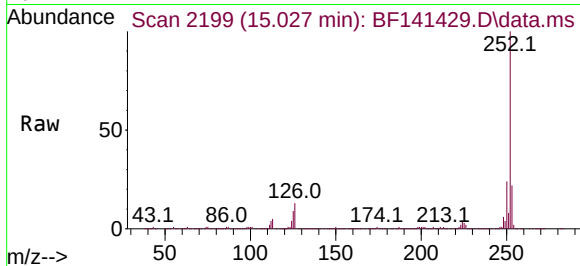
72-11984MSD

Tgt Ion:252 Resp: 48911
Ion Ratio Lower Upper
252 100
253 22.3 17.6 26.4
125 8.5 8.4 12.6

Manual Integrations

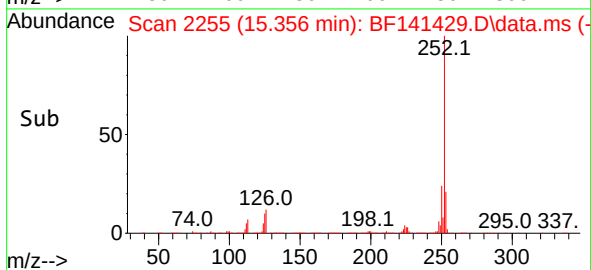
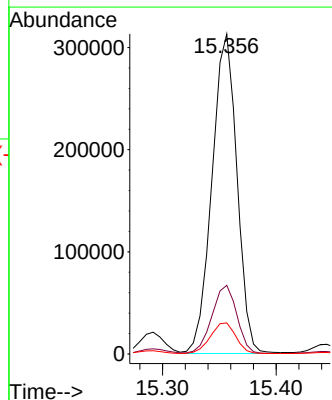
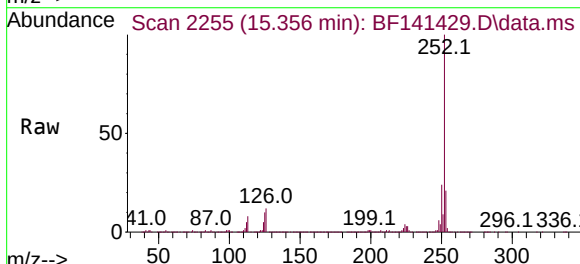
APPROVED

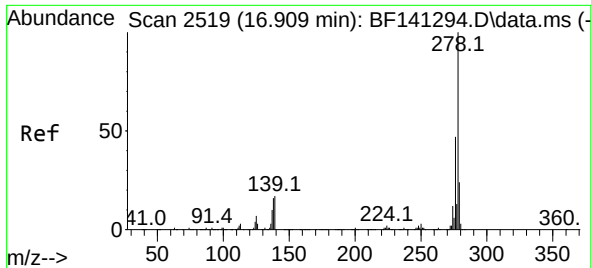
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#90
Benzo(a)pyrene
Concen: 50.646 ng
RT: 15.356 min Scan# 2255
Delta R.T. -0.024 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22

Tgt Ion:252 Resp: 478663
Ion Ratio Lower Upper
252 100
253 21.5 17.2 25.8
125 9.7 9.4 14.2





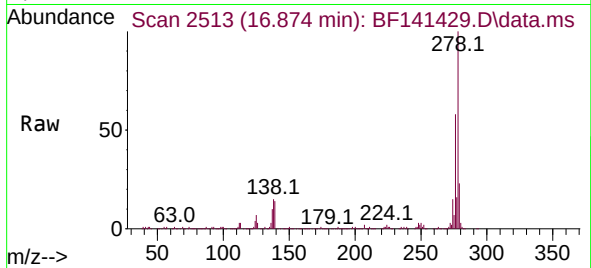
#91
Dibenzo(a,h)anthracene
Concen: 37.907 ng
RT: 16.874 min Scan# 21
Delta R.T. -0.047 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22

Instrument :

BNA_F

ClientSampleId :

72-11984MSD

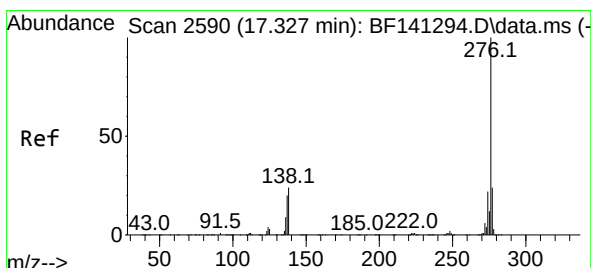
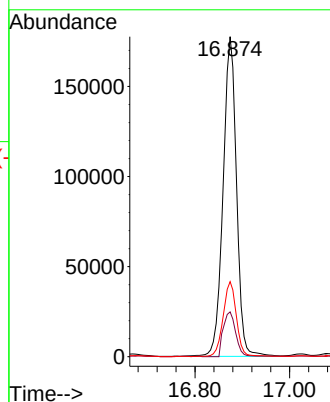
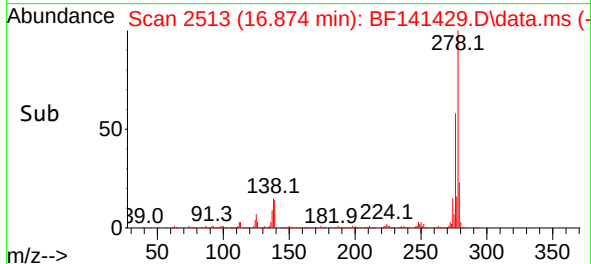


Tgt Ion:278 Resp: 349979
Ion Ratio Lower Upper
278 100
139 14.0 13.9 20.9
279 23.5 18.8 28.2

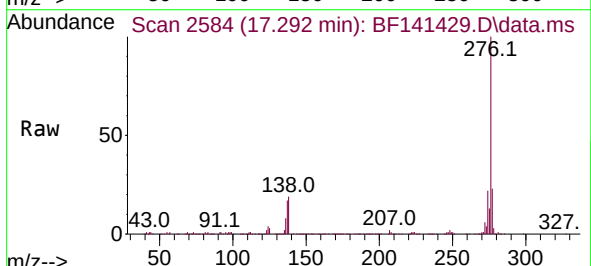
Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#92
Benzo(g,h,i)perylene
Concen: 32.639 ng
RT: 17.292 min Scan# 2584
Delta R.T. -0.053 min
Lab File: BF141429.D
Acq: 05 Feb 2025 00:22



Tgt Ion:276 Resp: 313335
Ion Ratio Lower Upper
276 100
277 23.1 19.2 28.8
138 19.1 19.0 28.4

