

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
 Data File : BF141428.D
 Acq On : 04 Feb 2025 23:56
 Operator : RC/JU
 Sample : Q1280-01MS
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11984MS

Manual Integrations
 APPROVED

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

Quant Time: Feb 05 00:36:45 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	6.787	152	92762	20.000	ng	-0.02
21) Naphthalene-d8	8.075	136	367129	20.000	ng	#-0.01
39) Acenaphthene-d10	9.828	164	195792	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	321011	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	202719	20.000	ng	-0.02
86) Perylene-d12	15.410	264	202071	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	589258	97.522	ng	0.00
7) Phenol-d6	6.434	99	731694	95.191	ng	0.00
23) Nitrobenzene-d5	7.351	82	485073	69.652	ng	-0.02
42) 2,4,6-Tribromophenol	10.622	330	190484	106.121	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	856845	67.360	ng	-0.01
79) Terphenyl-d14	12.904	244	795231	60.497	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.569	88	92813	34.926	ng	97
3) Pyridine	3.293	79	194628	30.398	ng	94
4) n-Nitrosodimethylamine	3.246	42	149299	40.819	ng	84
6) Aniline	6.451	93	125211	19.244	ng	# 1
8) 2-Chlorophenol	6.581	128	254525	39.301	ng	95
9) Benzaldehyde	6.340	77	171709	38.566	ng	99
10) Phenol	6.445	94	302121	37.078	ng	78
11) bis(2-Chloroethyl)ether	6.528	93	228192	36.525	ng	98
12) 1,3-Dichlorobenzene	6.728	146	266964	37.386	ng	99
13) 1,4-Dichlorobenzene	6.804	146	271446	37.839	ng	98
14) 1,2-Dichlorobenzene	6.957	146	259506	38.632	ng	100
15) Benzyl Alcohol	6.934	79	224886	42.811	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.063	45	388554	35.765	ng	55
17) 2-Methylphenol	7.051	107	198027	37.622	ng	# 92
18) Hexachloroethane	7.298	117	102859	38.867	ng	99
19) n-Nitroso-di-n-propyla...	7.204	70	179061	39.204	ng	99
20) 3+4-Methylphenols	7.204	107	256997	39.766	ng	# 84
22) Acetophenone	7.198	105	393945	45.143	ng	# 97
24) Nitrobenzene	7.375	77	268124	37.151	ng	100
25) Isophorone	7.610	82	476454	39.578	ng	98
26) 2-Nitrophenol	7.687	139	132557	38.945	ng	93
27) 2,4-Dimethylphenol	7.734	122	211655m	48.855	ng	
28) bis(2-Chloroethoxy)met...	7.822	93	289257	37.669	ng	99
29) 2,4-Dichlorophenol	7.939	162	210177	39.628	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	227925	37.630	ng	99
31) Naphthalene	8.098	128	1072642	55.307	ng	100
32) Benzoic acid	7.857	122	149489	37.535	ng	93
33) 4-Chloroaniline	8.145	127	41523	6.314	ng	99
34) Hexachlorobutadiene	8.210	225	144544	40.693	ng	100
35) Caprolactam	8.516	113	70356m	40.618	ng	
36) 4-Chloro-3-methylphenol	8.639	107	232343	40.841	ng	95
37) 2-Methylnaphthalene	8.786	142	736084	59.714	ng	98
38) 1-Methylnaphthalene	8.886	142	586387	48.427	ng	100
40) 1,2,4,5-Tetrachloroben...	8.951	216	254907	45.764	ng	98
41) Hexachlorocyclopentadiene	8.939	237	195641	118.931	ng	100
43) 2,4,6-Trichlorophenol	9.069	196	150583	41.303	ng	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	156020	39.319	ng	97
46) 1,1'-Biphenyl	9.251	154	742011	48.595	ng	99
47) 2-Chloronaphthalene	9.275	162	453369	38.093	ng	100
48) 2-Nitroaniline	9.375	65	153587	41.027	ng	96
49) Acenaphthylene	9.692	152	698501	41.926	ng	100
50) Dimethylphthalate	9.557	163	545841	41.277	ng	100
51) 2,6-Dinitrotoluene	9.616	165	117214	38.176	ng	95
52) Acenaphthene	9.863	154	766827	64.428	ng	99
53) 3-Nitroaniline	9.786	138	54863	18.231	ng	98
54) 2,4-Dinitrophenol	9.892	184	97987	68.653	ng	86
55) Dibenzofuran	10.039	168	873077	54.802	ng	97
56) 4-Nitrophenol	9.969	139	190830	86.708	ng	90
57) 2,4-Dinitrotoluene	10.022	165	162208	40.804	ng	91
58) Fluorene	10.380	166	707908	57.284	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.157	232	133120	42.643	ng	98
60) Diethylphthalate	10.257	149	529623	41.306	ng	99
61) 4-Chlorophenyl-phenyle...	10.369	204	242541	40.179	ng	97
62) 4-Nitroaniline	10.398	138	111667	37.743	ng	89
63) Azobenzene	10.533	77	602420	46.938	ng	88
65) 4,6-Dinitro-2-methylph...	10.428	198	68085	35.857	ng	93
66) n-Nitrosodiphenylamine	10.492	169	438215	42.206	ng	99
67) 4-Bromophenyl-phenylether	10.863	248	147463	41.032	ng	98
68) Hexachlorobenzene	10.928	284	153522	40.272	ng	99
69) Atrazine	11.022	200	166258	47.893	ng	99
70) Pentachlorophenol	11.127	266	196154	87.870	ng	99
71) Phenanthrene	11.345	178	1381163	80.041	ng	99
72) Anthracene	11.392	178	832486	49.238	ng	99
73) Carbazole	11.551	167	659988	44.022	ng	99
74) Di-n-butylphthalate	11.880	149	802610	44.175	ng	99
75) Fluoranthene	12.533	202	969384	56.895	ng	98
77) Benzidine	12.657	184	189902	29.221	ng	99
78) Pyrene	12.763	202	874425	44.937	ng	100
80) Butylbenzylphthalate	13.380	149	282287	41.524	ng	98
81) Benzo(a)anthracene	13.945	228	616866	44.097	ng	99
82) 3,3'-Dichlorobenzidine	13.910	252	89163	20.041	ng	99
83) Chrysene	13.986	228	537872	41.955	ng	100
84) Bis(2-ethylhexyl)phtha...	13.939	149	379501	44.006	ng	99
85) Di-n-octyl phthalate	14.557	149	632803	47.244	ng	100
87) Indeno(1,2,3-cd)pyrene	16.851	276	458523	35.157	ng	95
88) Benzo(b)fluoranthene	14.992	252	557459	43.857	ng	98
89) Benzo(k)fluoranthene	15.021	252	517612	45.968	ng	98
90) Benzo(a)pyrene	15.351	252	496426	46.217	ng	98
91) Dibenzo(a,h)anthracene	16.868	278	369831	35.246	ng	96
92) Benzo(g,h,i)perylene	17.286	276	338418	31.018	ng #	94

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

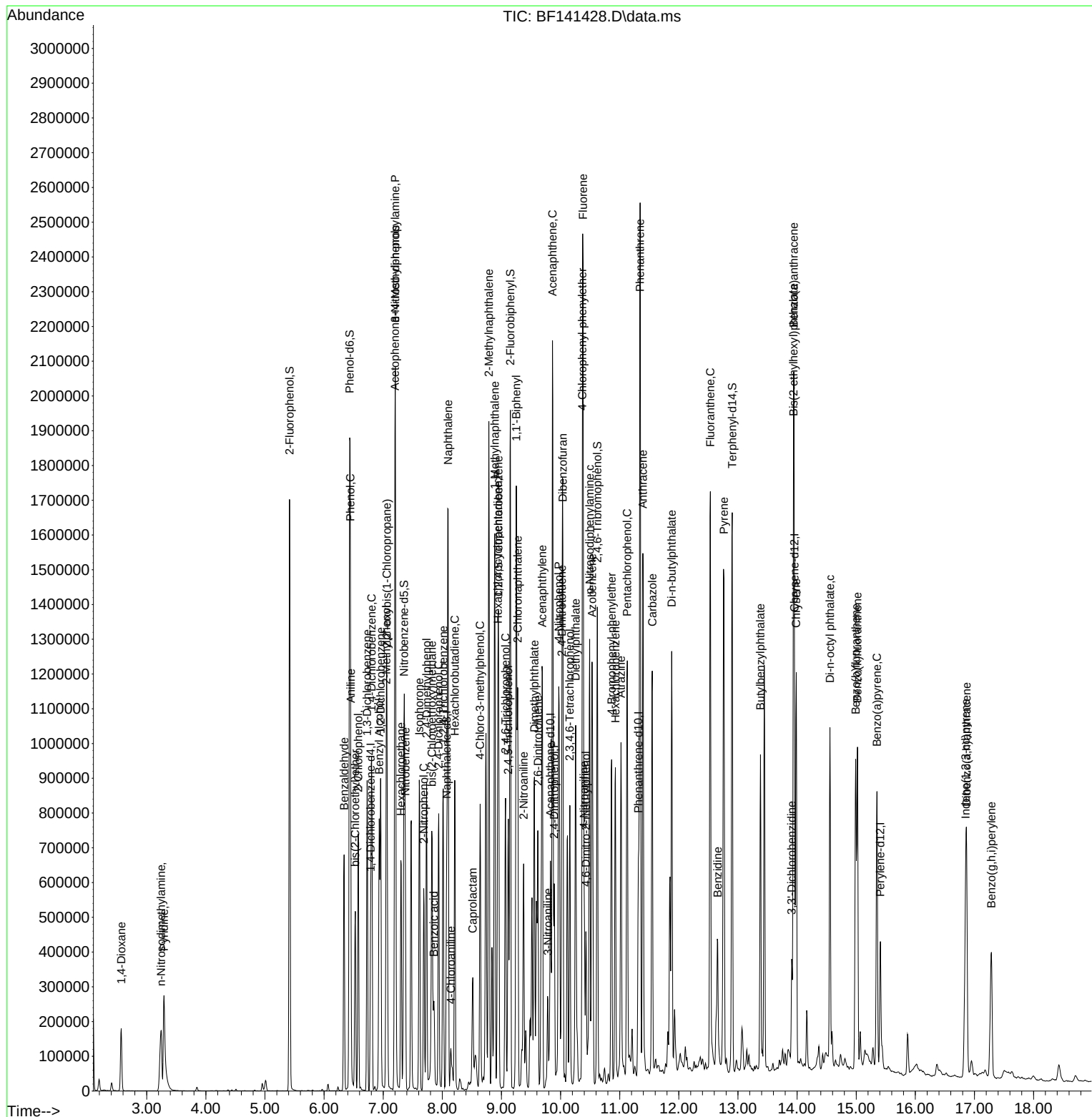
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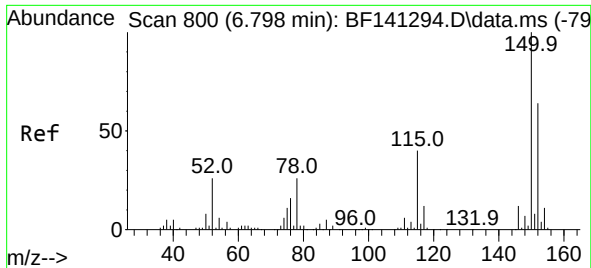
Instrument :
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ClientSampleId :
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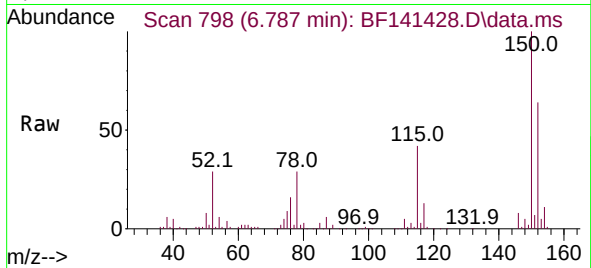
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QLast Update : Wed Jan 29 17:41:25 2025
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#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.787 min Scan# 79
 Delta R.T. -0.017 min
 Lab File: BF141428.D
 Acq: 04 Feb 2025 23:56

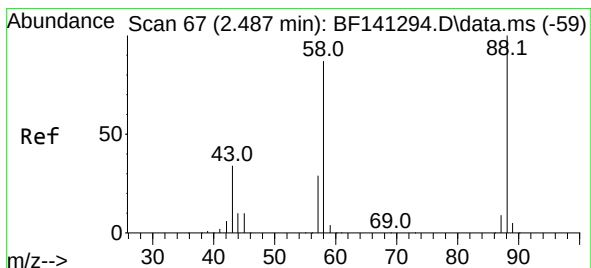
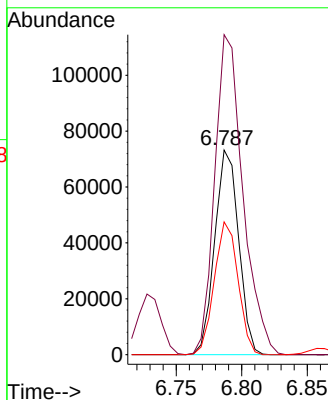
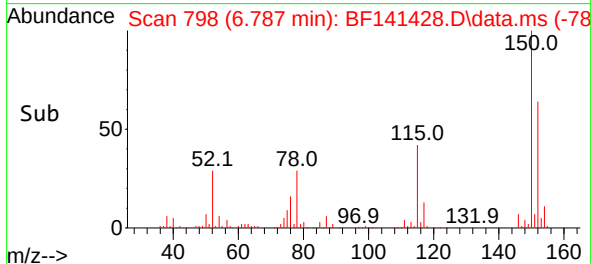
Instrument :
 BNA_F
 ClientSampleId :
 72-11984MS



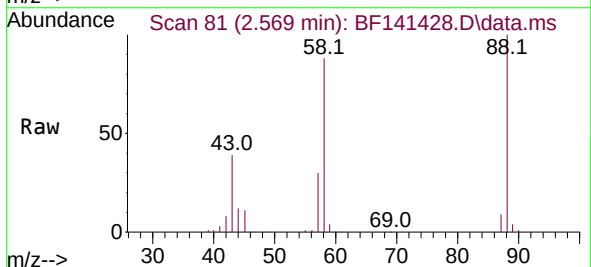
Tgt Ion:152 Resp: 92762
 Ion Ratio Lower Upper
 152 100
 150 156.4 125.9 188.9
 115 64.9 49.7 74.5

Manual Integrations
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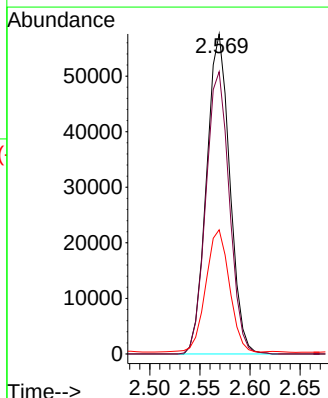
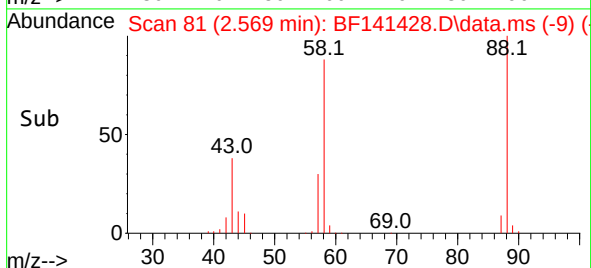
Reviewed By :Yogesh Patel 02/05/2025
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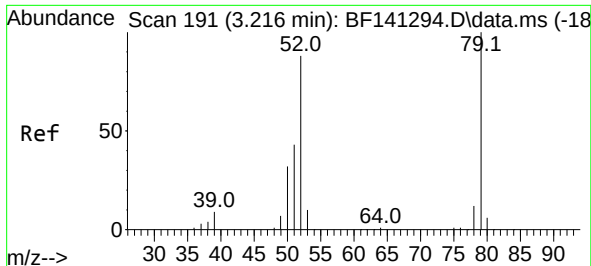


#2
 1,4-Dioxane
 Concen: 34.926 ng
 RT: 2.569 min Scan# 81
 Delta R.T. 0.076 min
 Lab File: BF141428.D
 Acq: 04 Feb 2025 23:56



Tgt Ion: 88 Resp: 92813
 Ion Ratio Lower Upper
 88 100
 58 89.2 70.2 105.4
 43 38.9 27.6 41.4





#3

Pyridine

Concen: 30.398 ng

RT: 3.293 min Scan# 204

Delta R.T. 0.065 min

Lab File: BF141428.D

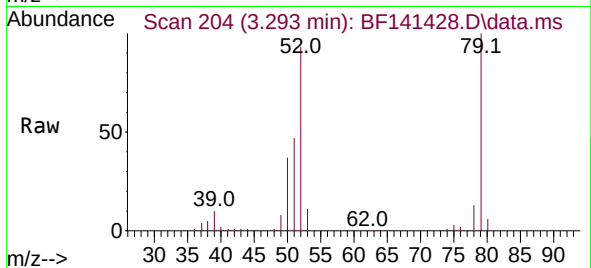
Acq: 04 Feb 2025 23:56

Instrument :

BNA_F

ClientSampleId :

72-11984MS



Tgt Ion: 79 Resp: 194628

Ion Ratio Lower Upper

79 100

52 93.3 70.3 105.5

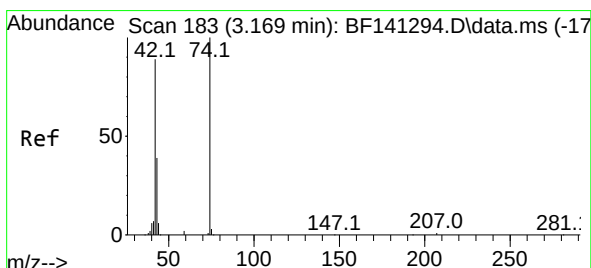
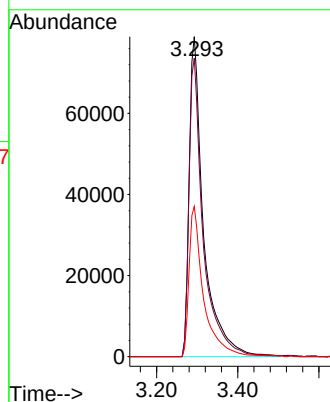
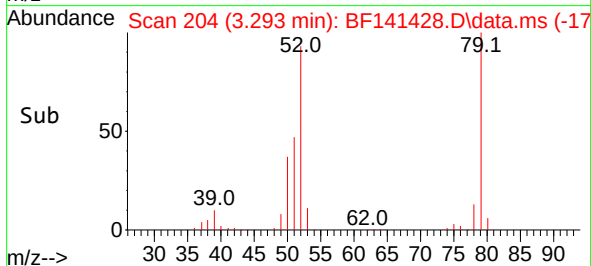
51 47.0 34.3 51.5

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#4

n-Nitrosodimethylamine

Concen: 40.819 ng

RT: 3.246 min Scan# 196

Delta R.T. 0.047 min

Lab File: BF141428.D

Acq: 04 Feb 2025 23:56

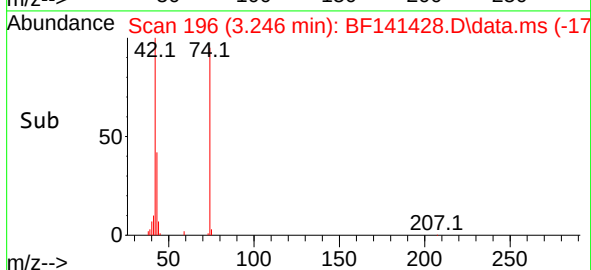
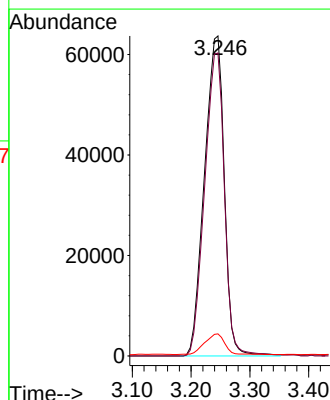
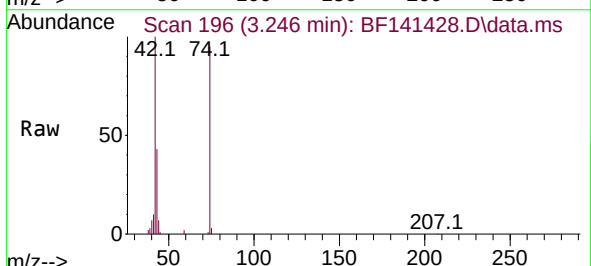
Tgt Ion: 42 Resp: 149299

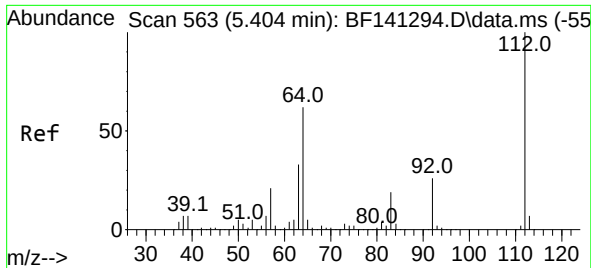
Ion Ratio Lower Upper

42 100

74 94.7 90.3 135.5

44 6.9 5.7 8.5





#5
2-Fluorophenol
Concen: 97.522 ng
RT: 5.416 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

Instrument :

BNA_F

ClientSampleId :

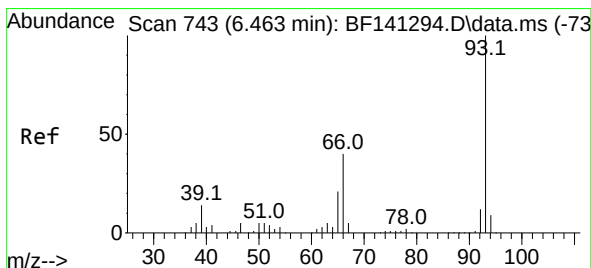
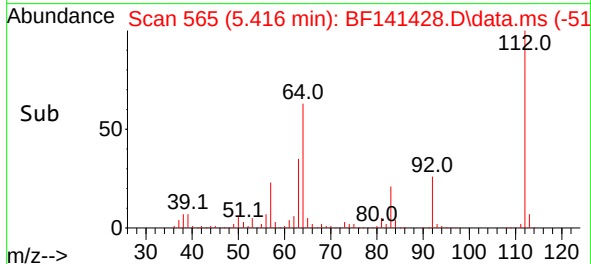
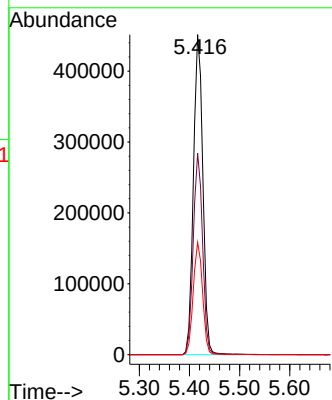
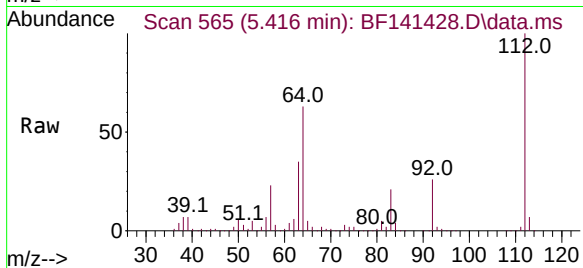
72-11984MS

Tgt Ion:112 Resp: 589258
Ion Ratio Lower Upper
112 100
64 62.9 49.8 74.8
63 35.1 26.1 39.1

Manual Integrations

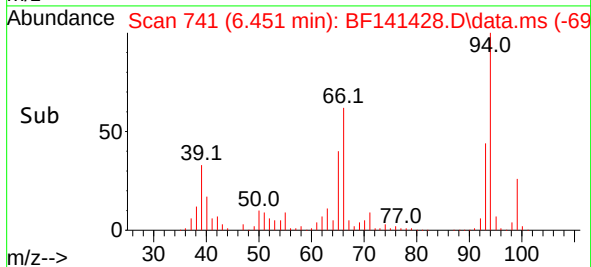
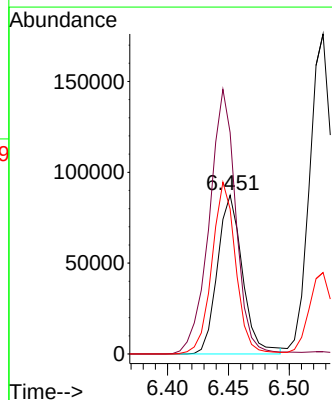
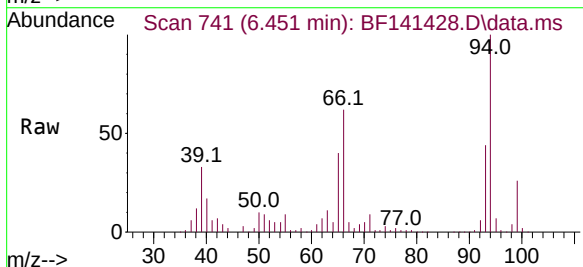
APPROVED

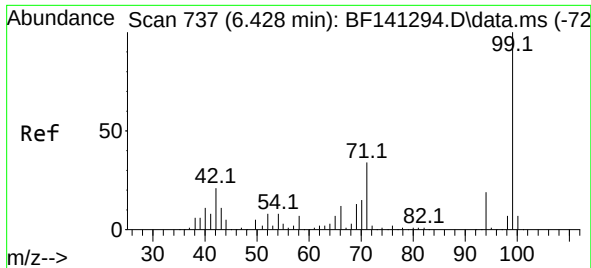
Reviewed By :Yogesh Patel 02/05/2025
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#6
Aniline
Concen: 19.244 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

Tgt Ion: 93 Resp: 125211
Ion Ratio Lower Upper
93 100
66 139.6 32.5 48.7#
65 91.4 17.0 25.6#





#7

Phenol-d6

Concen: 95.191 ng

RT: 6.434 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF141428.D

Acq: 04 Feb 2025 23:56

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Tgt Ion: 99 Resp: 731694

Ion Ratio Lower Upper

99 100

42 23.1 17.1 25.7

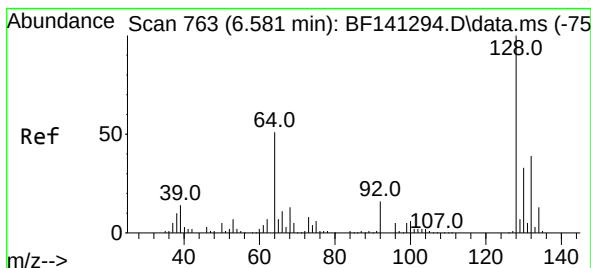
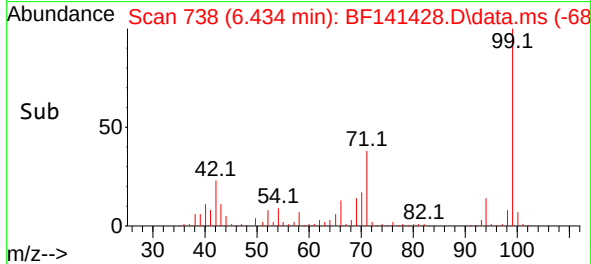
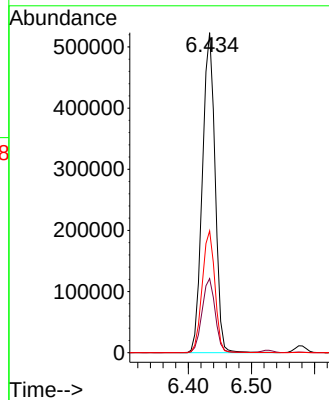
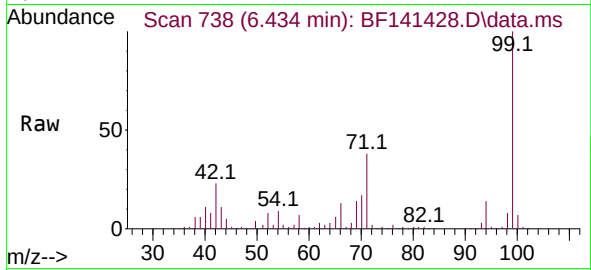
71 38.1 26.9 40.3

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#8

2-Chlorophenol

Concen: 39.301 ng

RT: 6.581 min Scan# 763

Delta R.T. -0.012 min

Lab File: BF141428.D

Acq: 04 Feb 2025 23:56

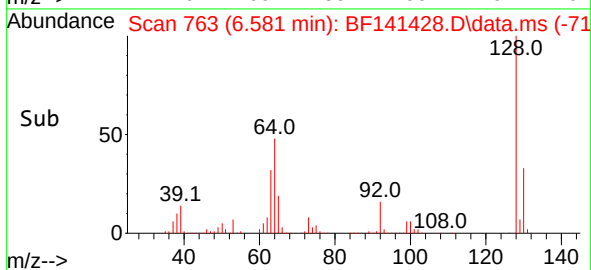
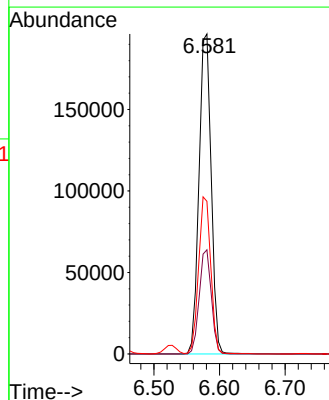
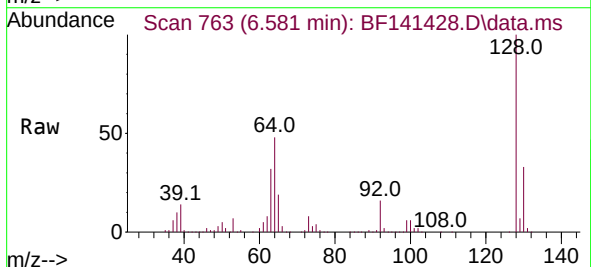
Tgt Ion:128 Resp: 254525

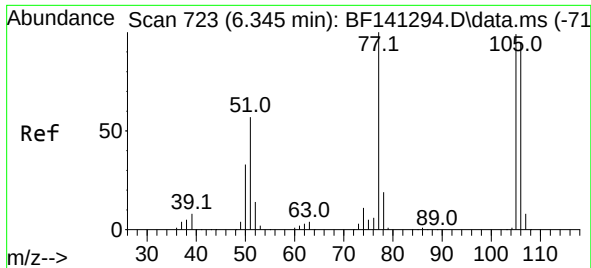
Ion Ratio Lower Upper

128 100

130 32.6 12.5 52.5

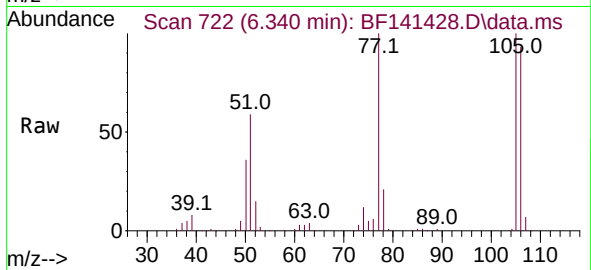
64 47.7 32.9 72.9





#9
Benzaldehyde
Concen: 38.566 ng
RT: 6.340 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

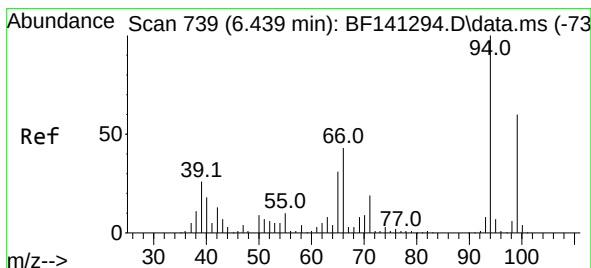
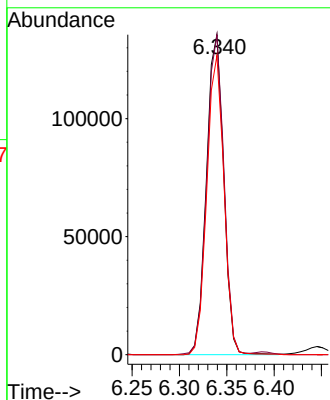
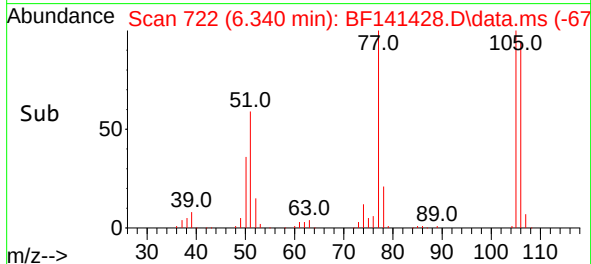
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Tgt Ion: 77 Resp: 171709
Ion Ratio Lower Upper
77 100
105 99.9 79.4 119.4
106 93.5 74.6 114.6

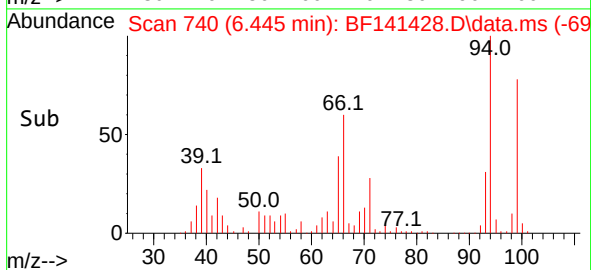
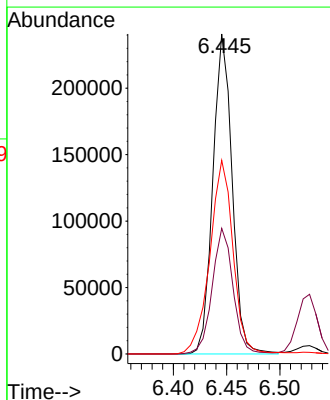
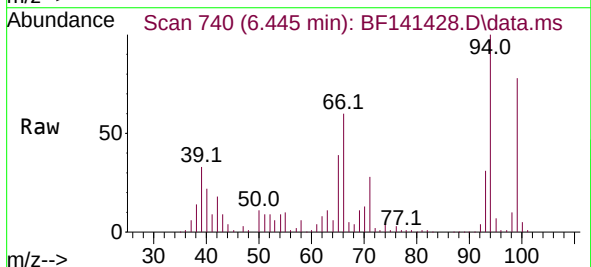
Manual Integrations
APPROVED

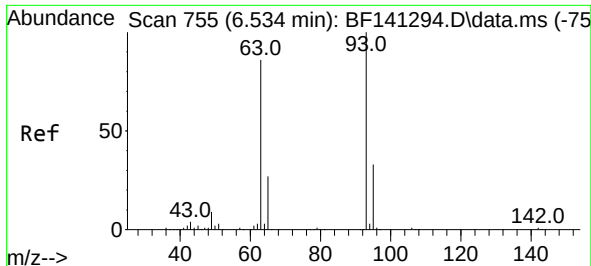
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#10
Phenol
Concen: 37.078 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

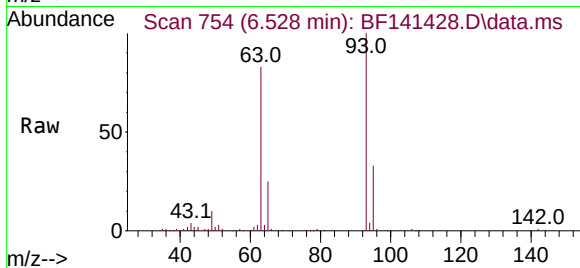
Tgt Ion: 94 Resp: 302121
Ion Ratio Lower Upper
94 100
65 39.3 10.8 50.8
66 60.5 23.3 63.3





#11
bis(2-Chloroethyl)ether
Concen: 36.525 ng
RT: 6.528 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

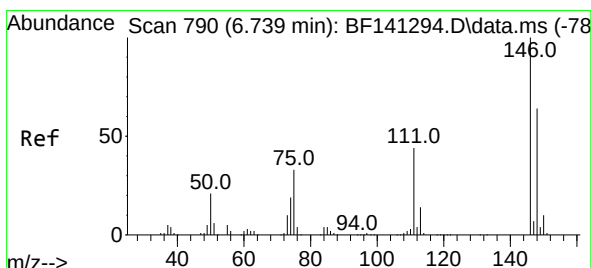
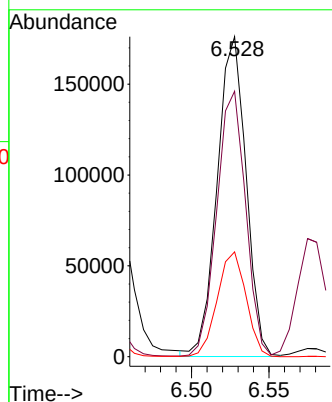
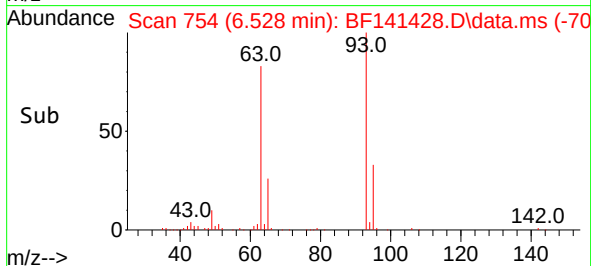
Instrument :
BNA_F
ClientSampleId :
72-11984MS



Tgt Ion: 93 Resp: 228192
Ion Ratio Lower Upper
93 100
63 83.0 65.0 105.0
95 32.7 12.4 52.4

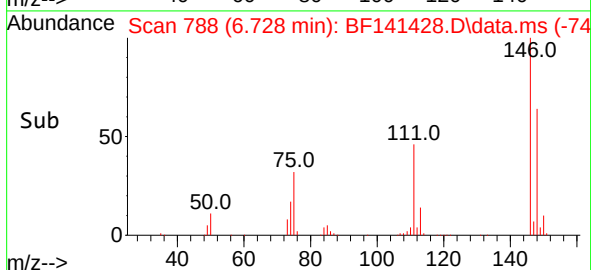
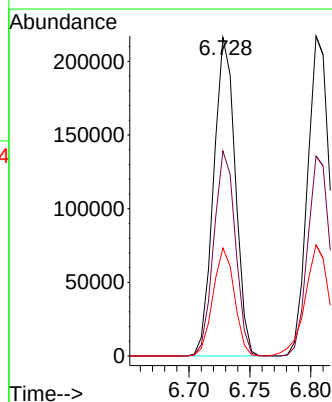
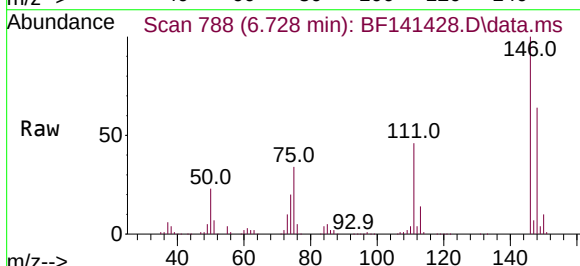
Manual Integrations
APPROVED

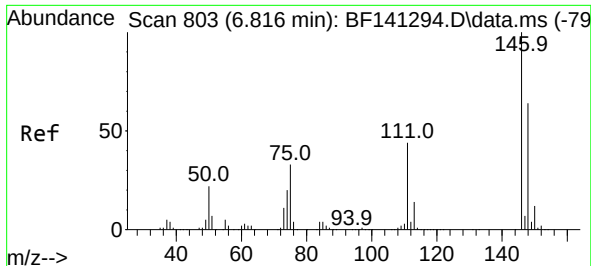
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#12
1,3-Dichlorobenzene
Concen: 37.386 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.018 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

Tgt Ion:146 Resp: 266964
Ion Ratio Lower Upper
146 100
148 64.4 51.2 76.8
75 33.9 26.2 39.4





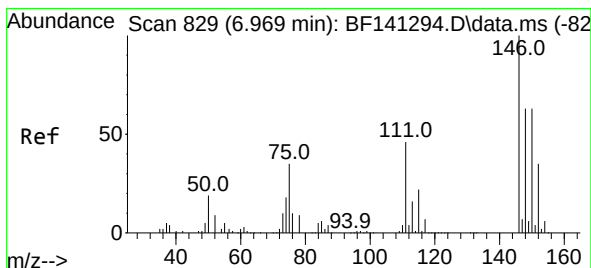
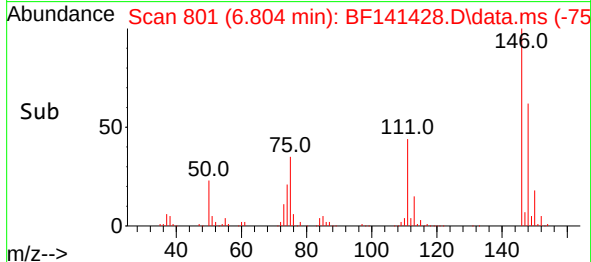
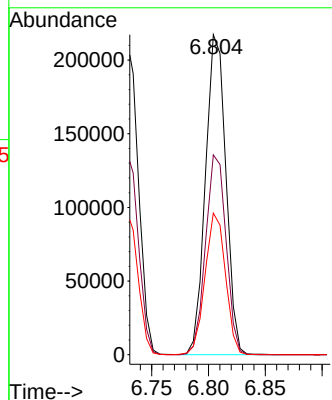
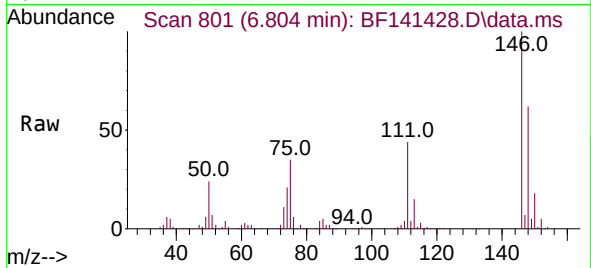
#13
1,4-Dichlorobenzene
Concen: 37.839 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.018 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

Instrument :
BNA_F
ClientSampleId :
72-11984MS

Tgt Ion:146 Resp: 271440
Ion Ratio Lower Upper
146 100
148 62.4 51.2 76.8
111 44.3 35.0 52.4

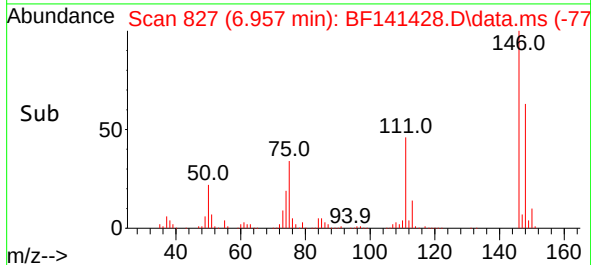
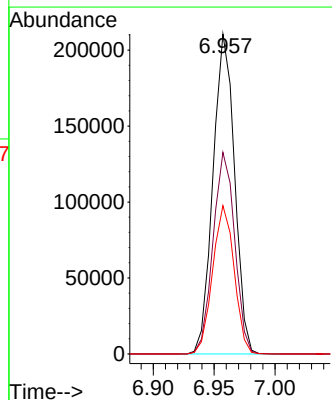
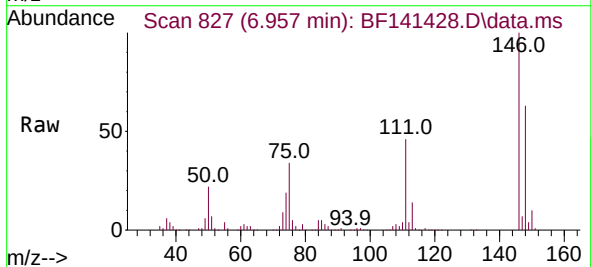
Manual Integrations
APPROVED

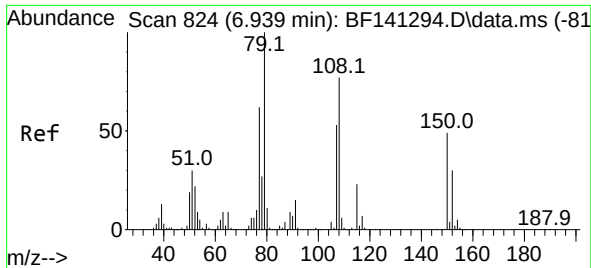
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#14
1,2-Dichlorobenzene
Concen: 38.632 ng
RT: 6.957 min Scan# 827
Delta R.T. -0.018 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

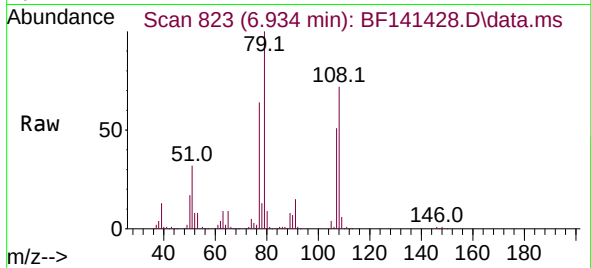
Tgt Ion:146 Resp: 259506
Ion Ratio Lower Upper
146 100
148 63.0 50.5 75.7
111 46.3 36.6 55.0





#15
Benzyl Alcohol
Concen: 42.811 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

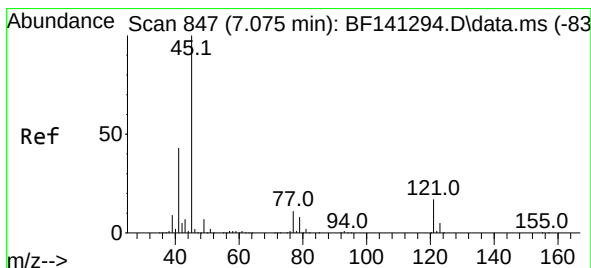
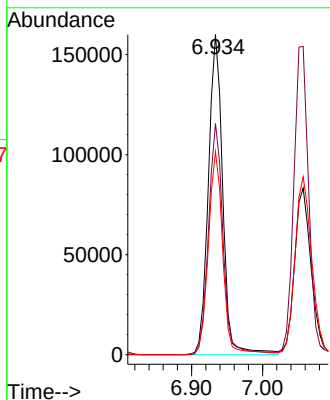
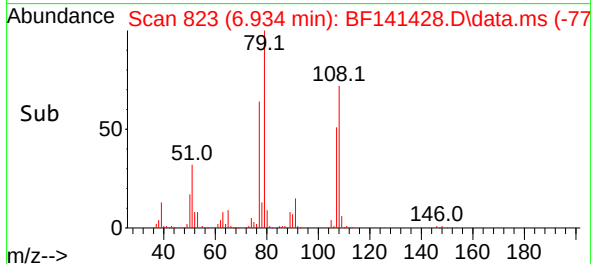
Instrument :
BNA_F
ClientSampleId :
72-11984MS



Tgt Ion: 79 Resp: 224880
Ion Ratio Lower Upper
79 100
108 72.2 61.4 92.0
77 63.5 49.9 74.9

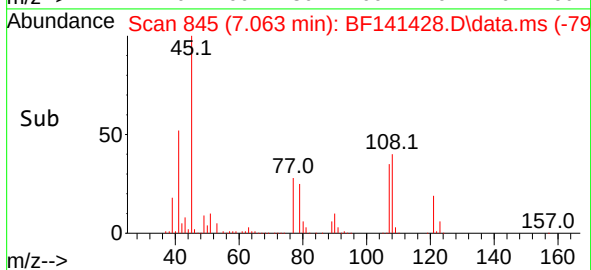
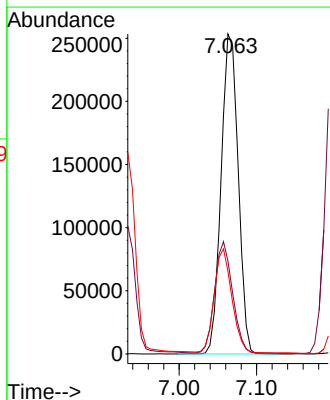
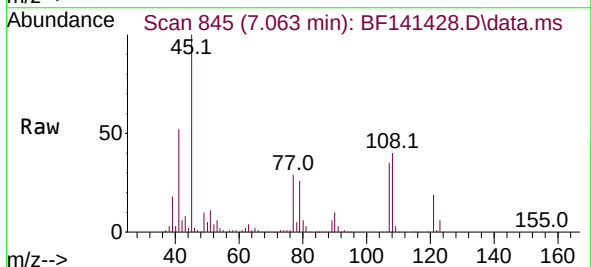
Manual Integrations
APPROVED

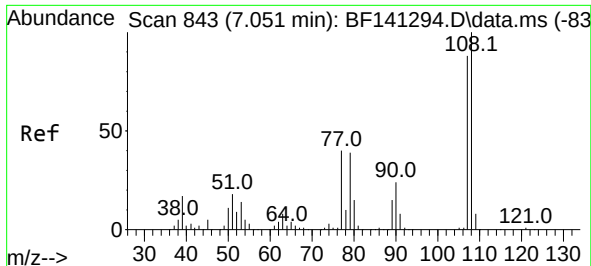
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 35.765 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.018 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

Tgt Ion: 45 Resp: 388554
Ion Ratio Lower Upper
45 100
77 29.1 0.0 31.8
79 25.8 0.0 29.1





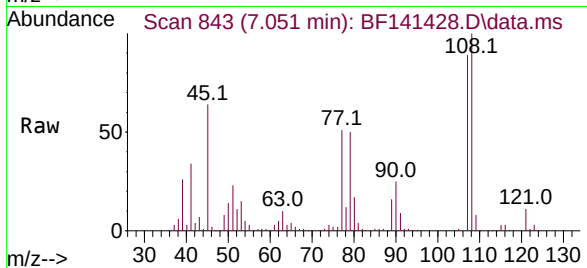
#17
2-Methylphenol
Concen: 37.622 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

Instrument :

BNA_F

ClientSampleId :

72-11984MS

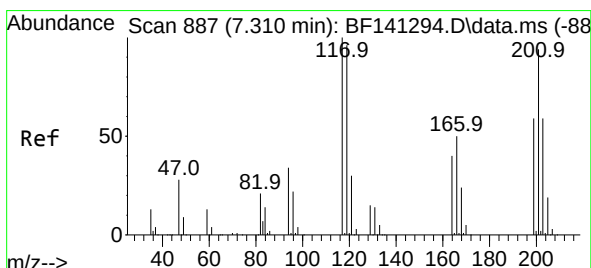
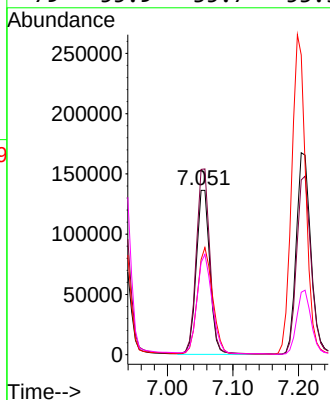
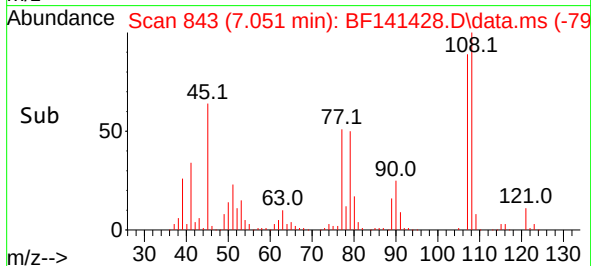


Tgt Ion:107 Resp: 19802
Ion Ratio Lower Upper
107 100
108 112.7 90.8 136.2
77 57.8 36.2 54.4
79 55.9 35.7 53.5#

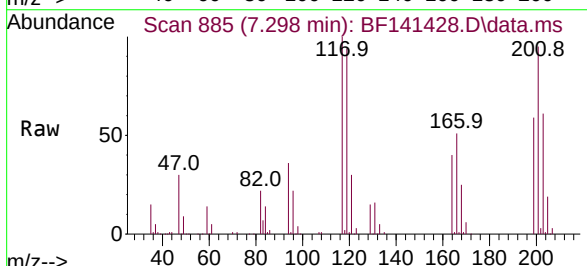
Manual Integrations

APPROVED

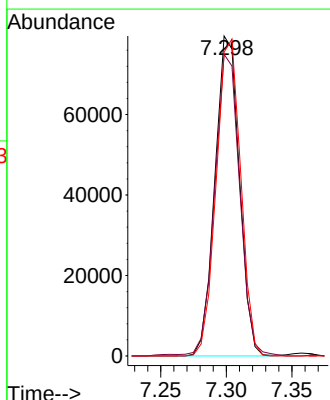
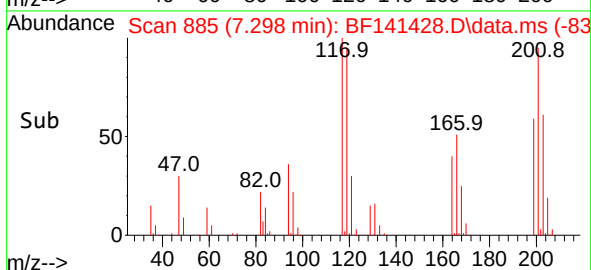
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

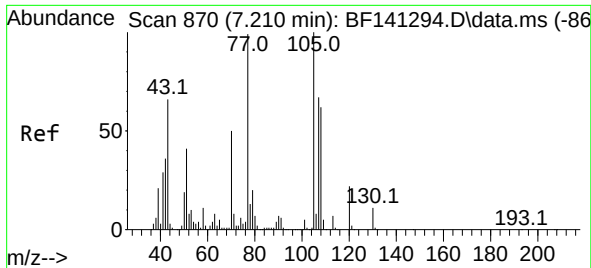


#18
Hexachloroethane
Concen: 38.867 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.018 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56



Tgt Ion:117 Resp: 102859
Ion Ratio Lower Upper
117 100
119 94.2 76.6 114.8
201 94.9 74.8 112.2





#19
n-Nitroso-di-n-propylamine
Concen: 39.204 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.024 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

Instrument :

BNA_F

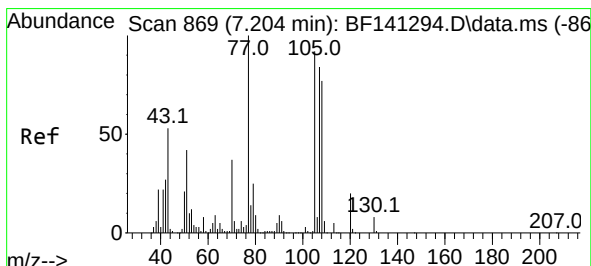
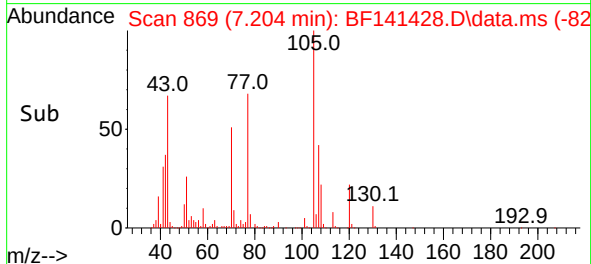
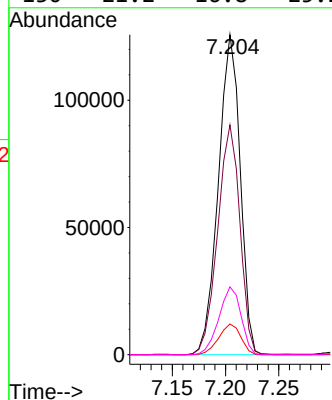
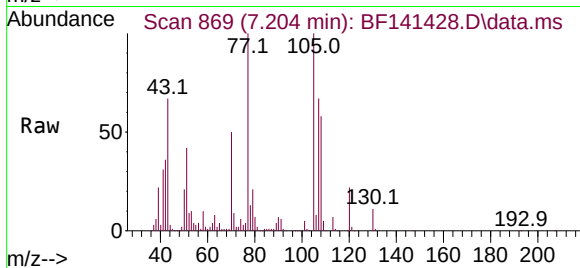
ClientSampleId :

72-11984MS

Tgt Ion: 70 Resp: 17906
Ion Ratio Lower Upper
70 100
42 71.8 56.8 85.2
101 9.6 7.7 11.5
130 21.2 16.8 25.2

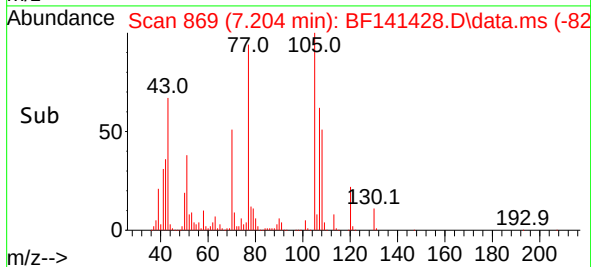
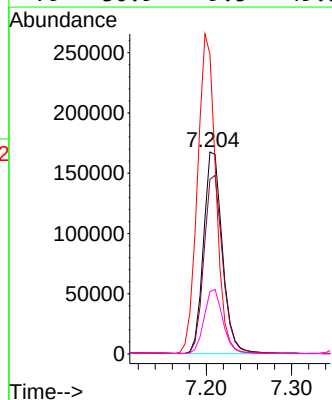
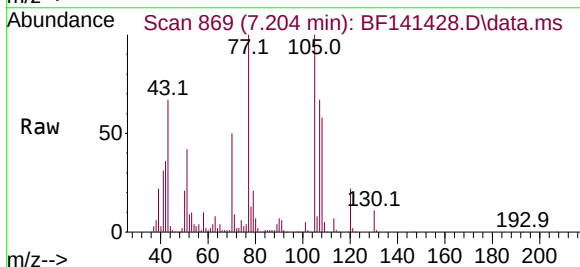
Manual Integrations
APPROVED

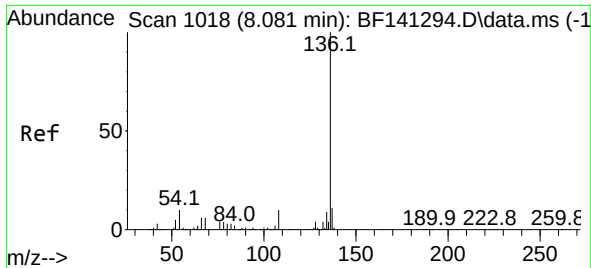
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#20
3+4-Methylphenols
Concen: 39.766 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

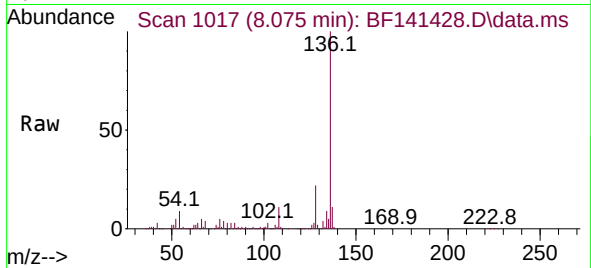
Tgt Ion:107 Resp: 256997
Ion Ratio Lower Upper
107 100
108 86.5 70.9 110.9
77 148.3 98.5 138.5#
79 30.9 9.5 49.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

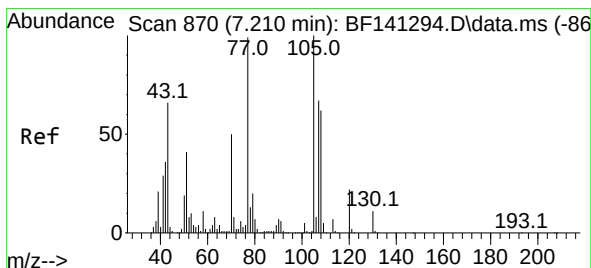
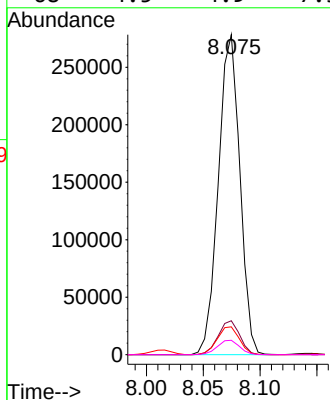
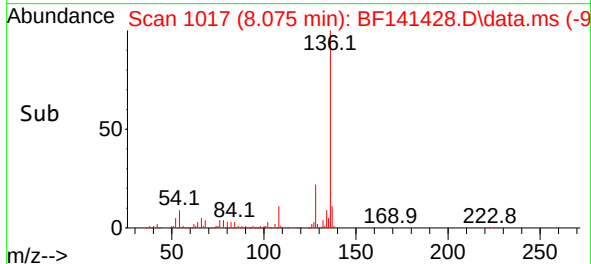
Instrument :
BNA_F
ClientSampleId :
72-11984MS



Tgt Ion:136 Resp: 367129
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 8.7 7.8 11.8
68 4.5 4.9 7.3#

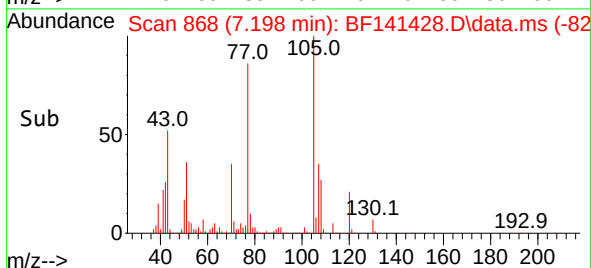
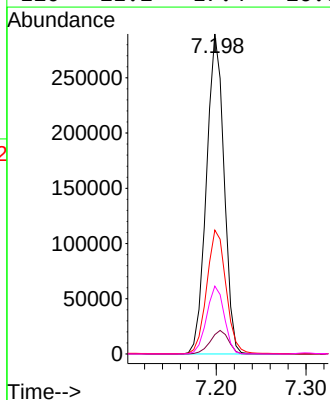
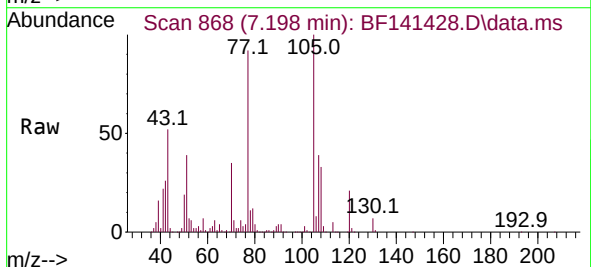
Manual Integrations
APPROVED

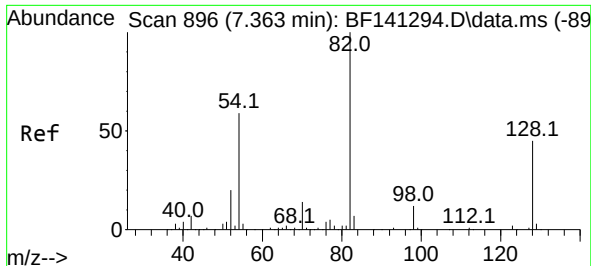
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#22
Acetophenone
Concen: 45.143 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.018 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

Tgt Ion:105 Resp: 393945
Ion Ratio Lower Upper
105 100
71 6.0 6.8 10.2#
51 38.7 32.6 49.0
120 21.2 17.4 26.0





#23

Nitrobenzene-d5

Concen: 69.652 ng

RT: 7.351 min Scan# 896

Delta R.T. -0.018 min

Lab File: BF141428.D

Acq: 04 Feb 2025 23:56

Instrument :

BNA_F

ClientSampleId :

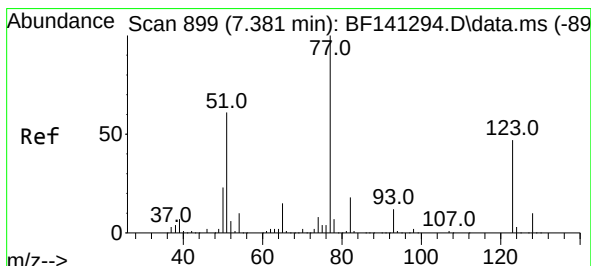
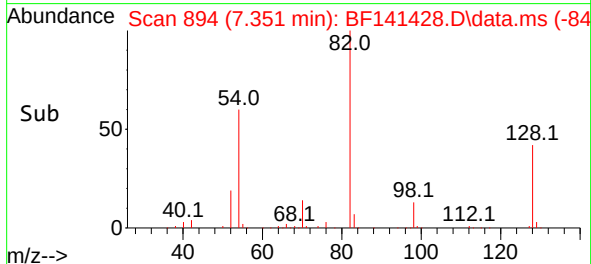
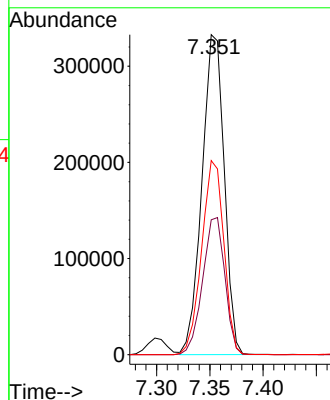
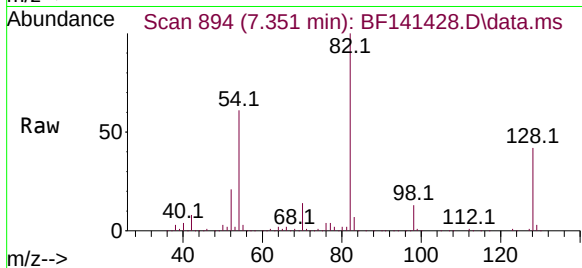
72-11984MS

Tgt Ion: 82 Resp: 485073
 Ion Ratio Lower Upper
 82 100
 128 42.2 35.7 53.5
 54 60.6 47.1 70.7

Manual Integrations

APPROVED

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



#24

Nitrobenzene

Concen: 37.151 ng

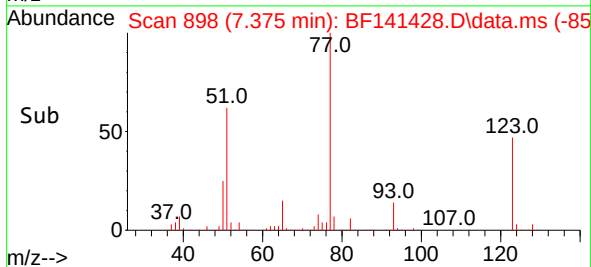
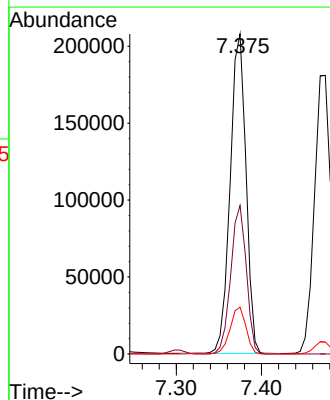
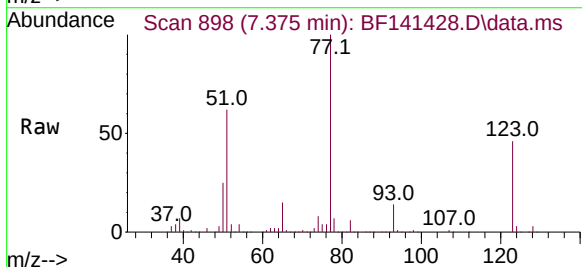
RT: 7.375 min Scan# 898

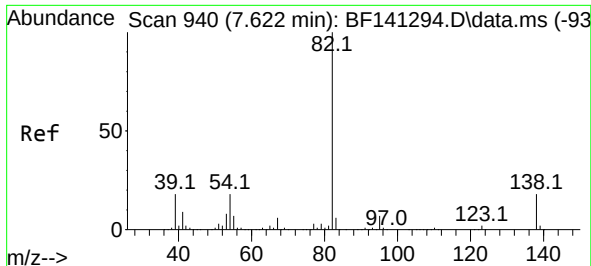
Delta R.T. -0.018 min

Lab File: BF141428.D

Acq: 04 Feb 2025 23:56

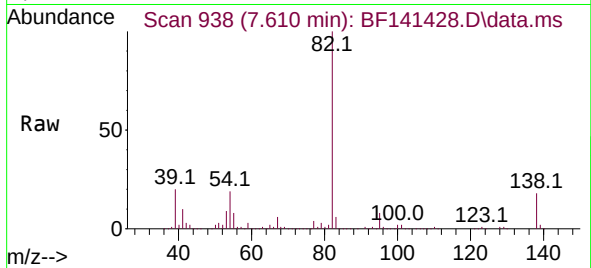
Tgt Ion: 77 Resp: 268124
 Ion Ratio Lower Upper
 77 100
 123 46.4 37.3 55.9
 65 14.6 11.8 17.6





#25
Isophorone
Concen: 39.578 ng
RT: 7.610 min Scan# 910
Delta R.T. -0.018 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

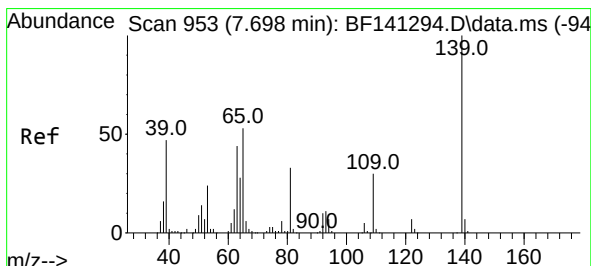
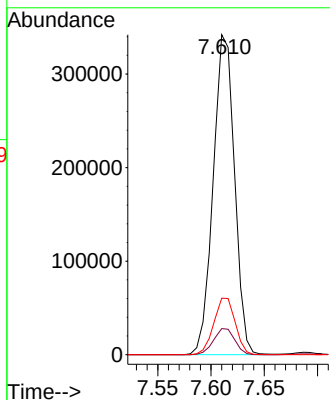
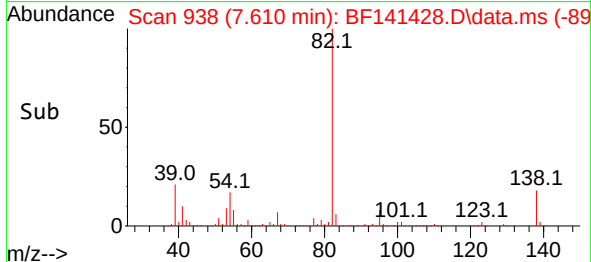
Instrument :
BNA_F
ClientSampleId :
72-11984MS



Tgt Ion: 82 Resp: 476454
Ion Ratio Lower Upper
82 100
95 8.1 5.8 8.6
138 17.7 14.7 22.1

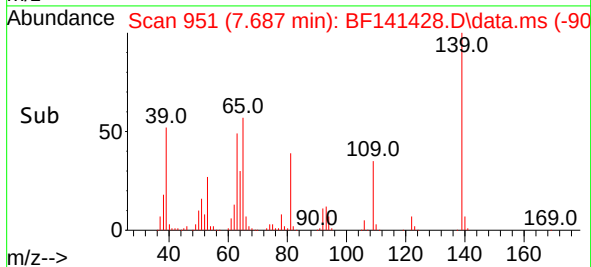
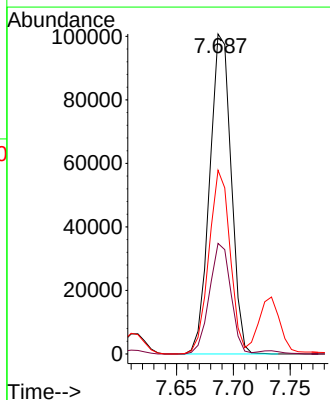
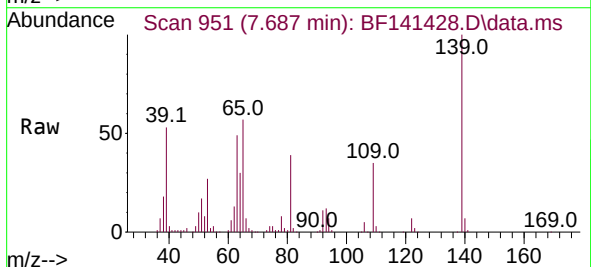
Manual Integrations
APPROVED

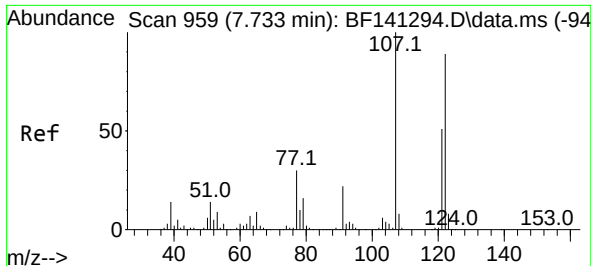
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#26
2-Nitrophenol
Concen: 38.945 ng
RT: 7.687 min Scan# 951
Delta R.T. -0.018 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

Tgt Ion:139 Resp: 132557
Ion Ratio Lower Upper
139 100
109 34.5 23.8 35.6
65 57.4 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 48.855 ng m

RT: 7.734 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141428.D

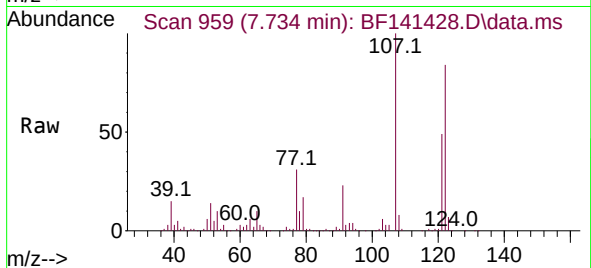
Acq: 04 Feb 2025 23:56

Instrument :

BNA_F

ClientSampleId :

72-11984MS



Tgt Ion:122 Resp: 21165

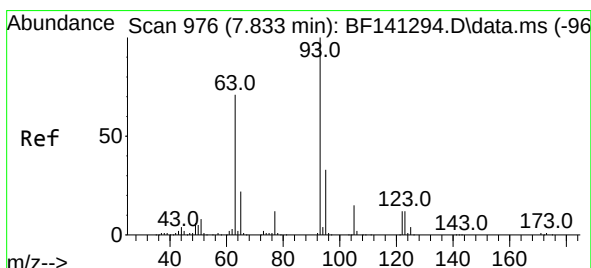
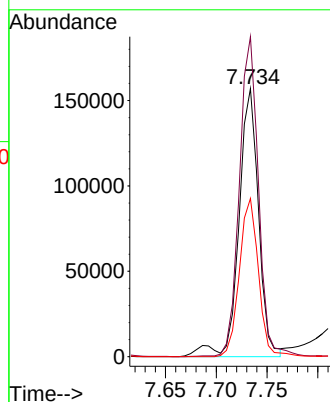
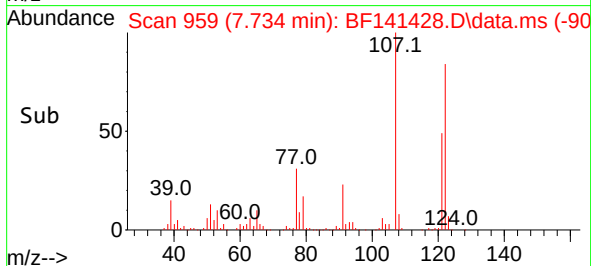
Ion	Ratio	Lower	Upper
122	100		
107	119.3	89.9	134.9
121	59.0	46.1	69.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#28

bis(2-Chloroethoxy)methane

Concen: 37.669 ng

RT: 7.822 min Scan# 974

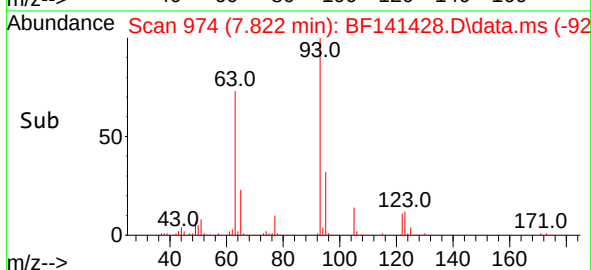
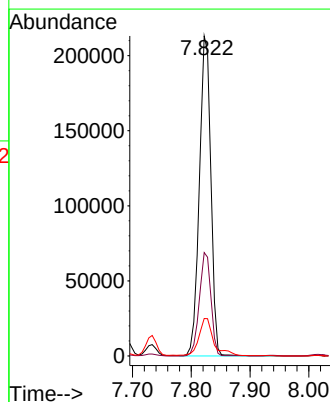
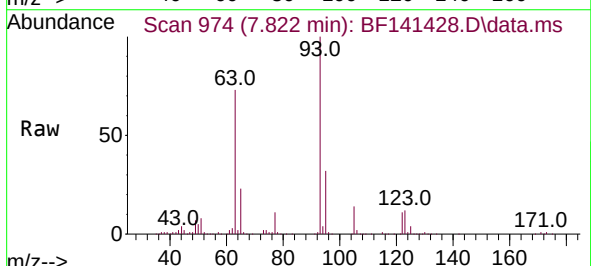
Delta R.T. -0.018 min

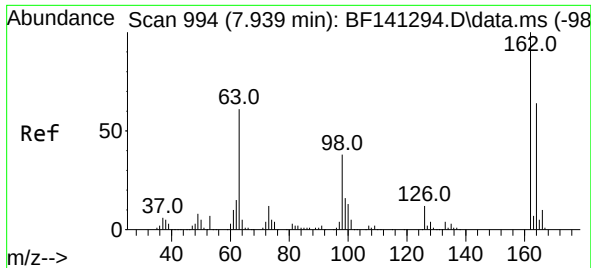
Lab File: BF141428.D

Acq: 04 Feb 2025 23:56

Tgt Ion: 93 Resp: 289257

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.2	39.2
123	11.7	10.2	15.4





#29

2,4-Dichlorophenol

Concen: 39.628 ng

RT: 7.939 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141428.D

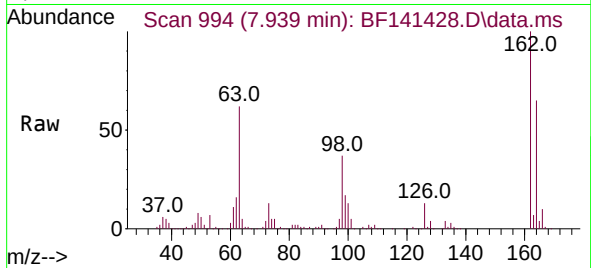
Acq: 04 Feb 2025 23:56

Instrument :

BNA_F

ClientSampleId :

72-11984MS



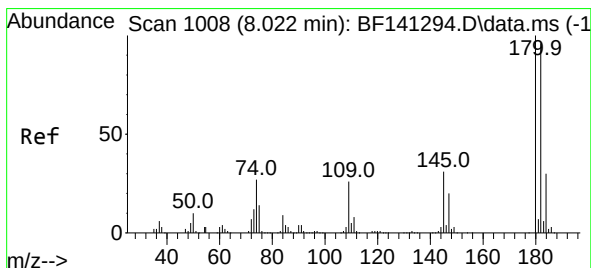
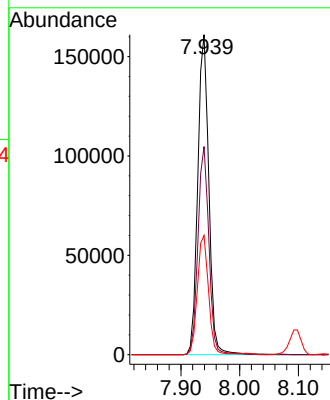
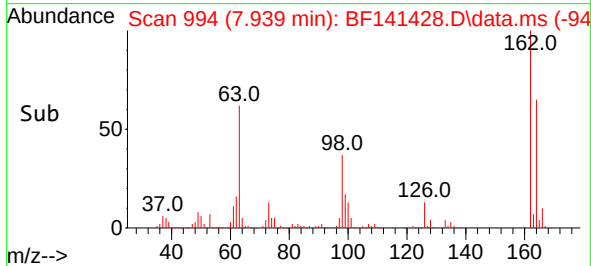
Tgt Ion:162	Resp:	21017
Ion Ratio	Lower	Upper
162	100	
164	65.0	44.2 84.2
98	37.2	18.2 58.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#30

1,2,4-Trichlorobenzene

Concen: 37.630 ng

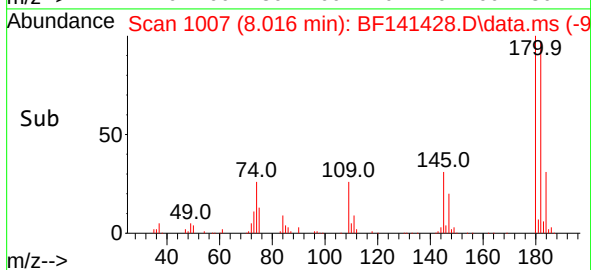
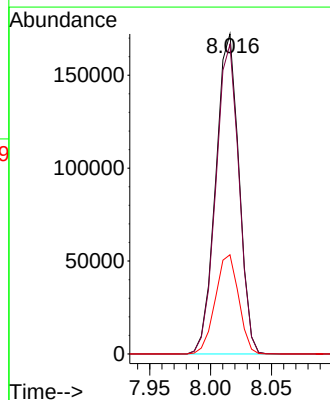
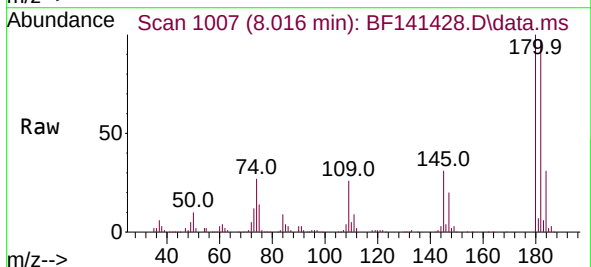
RT: 8.016 min Scan# 1007

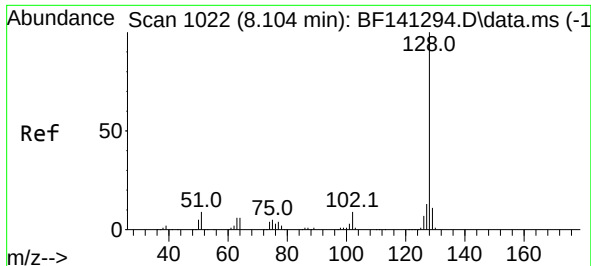
Delta R.T. -0.012 min

Lab File: BF141428.D

Acq: 04 Feb 2025 23:56

Tgt Ion:180	Resp:	227925
Ion Ratio	Lower	Upper
180	100	
182	96.8	76.4 114.6
145	31.0	24.9 37.3





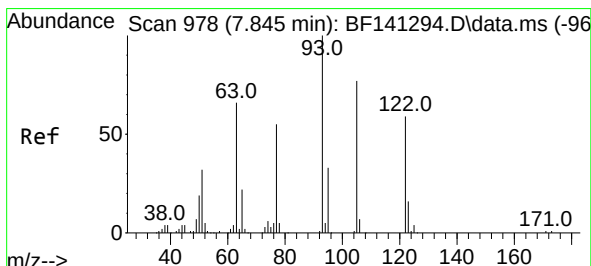
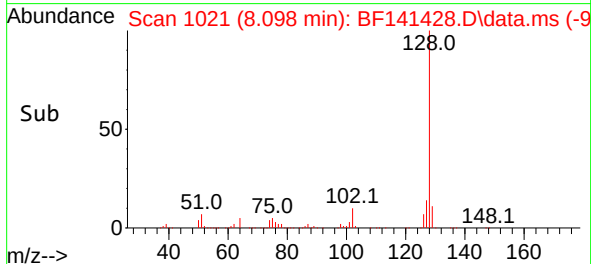
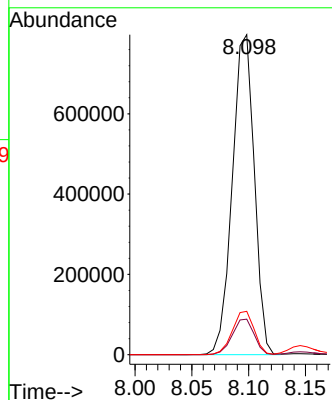
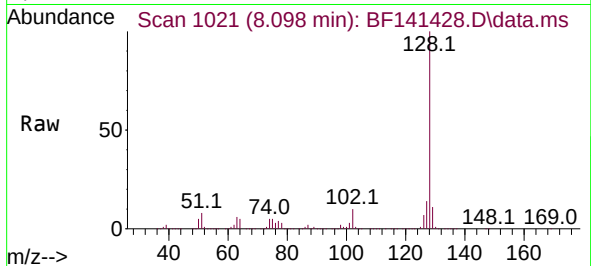
#31
Naphthalene
Concen: 55.307 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.012 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

Instrument :
BNA_F
ClientSampleId :
72-11984MS

Tgt Ion:128 Resp: 107264
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 13.5 10.6 15.8

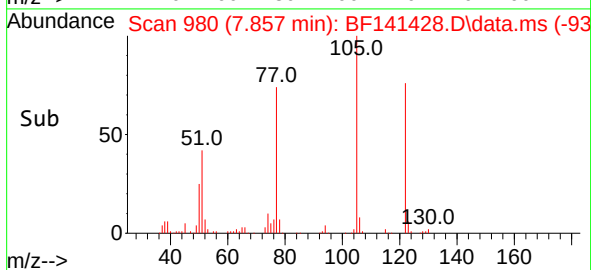
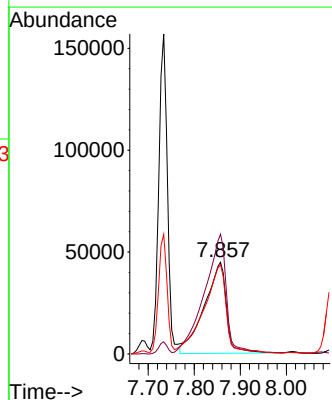
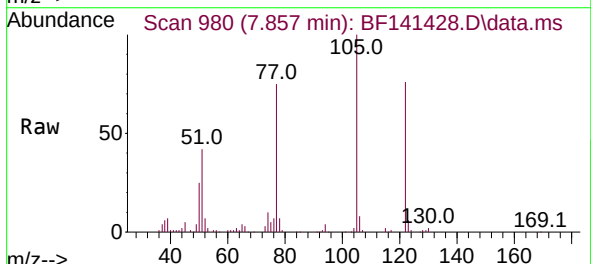
Manual Integrations
APPROVED

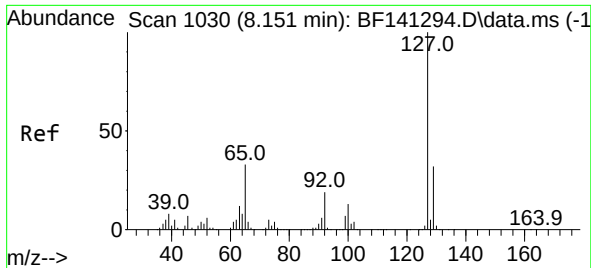
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#32
Benzoic acid
Concen: 37.535 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.024 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

Tgt Ion:122 Resp: 149489
Ion Ratio Lower Upper
122 100
105 130.8 103.4 143.4
77 97.5 70.9 110.9





#33

4-Chloroaniline

Concen: 6.314 ng

RT: 8.145 min Scan# 1029

Delta R.T. -0.012 min

Lab File: BF141428.D

Acq: 04 Feb 2025 23:56

Instrument :

BNA_F

ClientSampleId :

72-11984MS

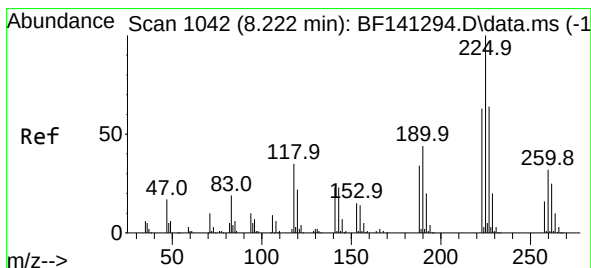
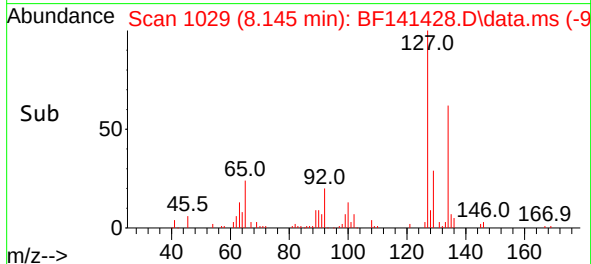
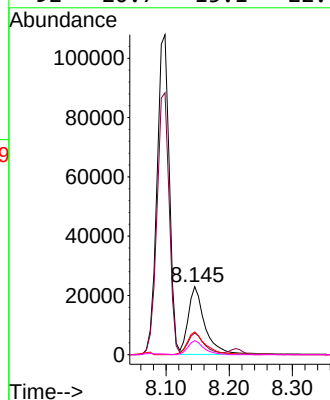
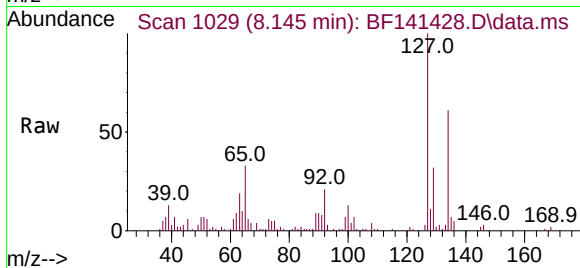
Tgt Ion:	127	Resp:	4152
Ion Ratio	Lower	Upper	
127	100		
129	32.1	25.7	38.5
65	33.4	26.4	39.6
92	20.7	15.1	22.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#34

Hexachlorobutadiene

Concen: 40.693 ng

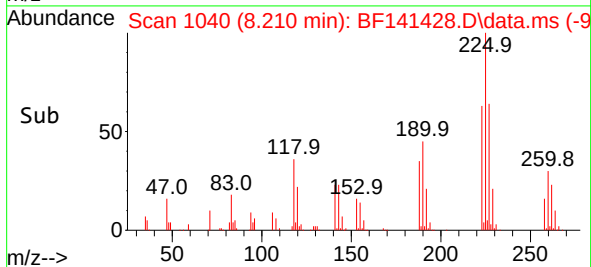
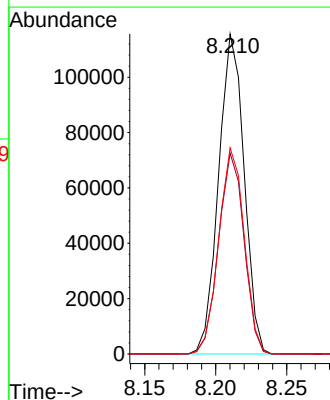
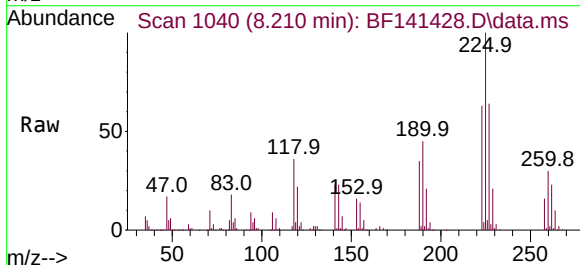
RT: 8.210 min Scan# 1040

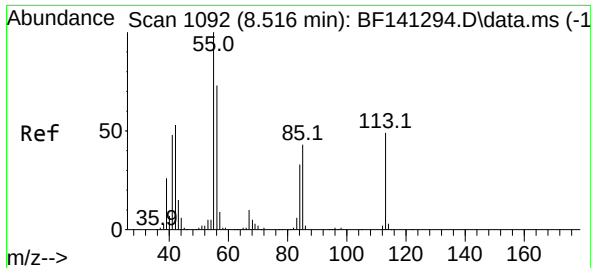
Delta R.T. -0.012 min

Lab File: BF141428.D

Acq: 04 Feb 2025 23:56

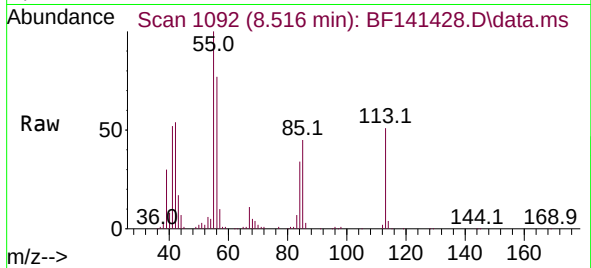
Tgt Ion:	225	Resp:	144544
Ion Ratio	Lower	Upper	
225	100		
223	62.7	50.4	75.6
227	64.4	51.3	76.9





#35
Caprolactam
Concen: 40.618 ng m
RT: 8.516 min Scan# 1092
Delta R.T. -0.030 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

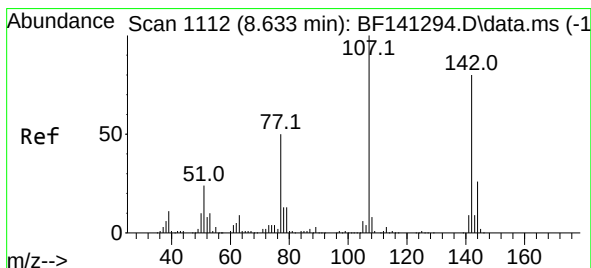
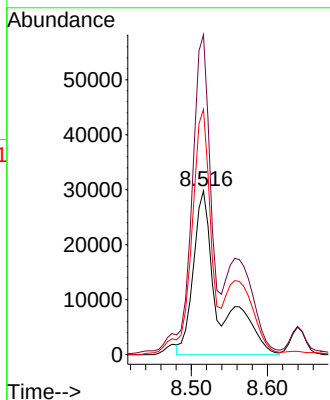
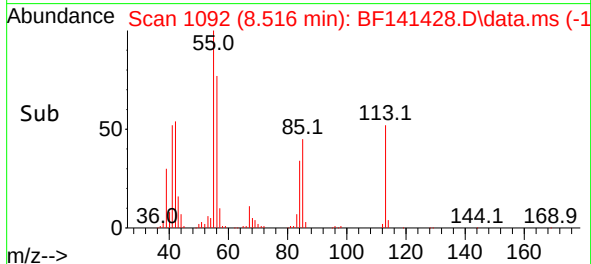
Instrument :
BNA_F
ClientSampleId :
72-11984MS



Tgt Ion:113 Resp: 70350
Ion Ratio Lower Upper
113 100
55 195.3 182.9 222.9
56 149.7 127.9 167.9

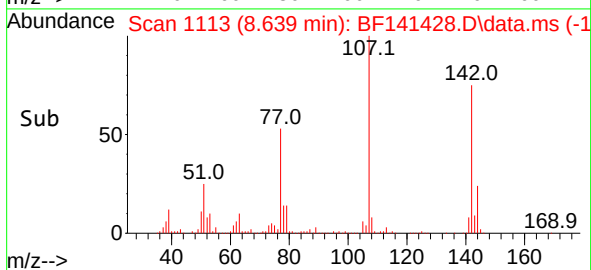
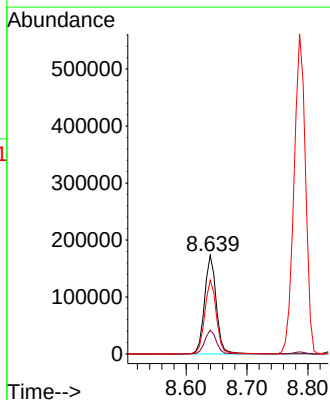
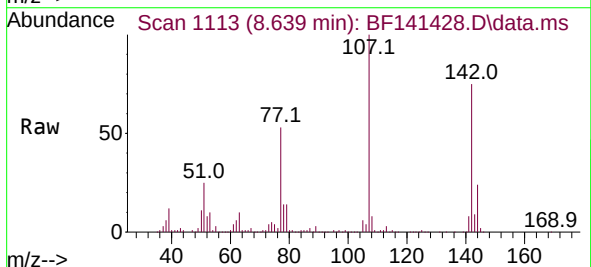
Manual Integrations
APPROVED

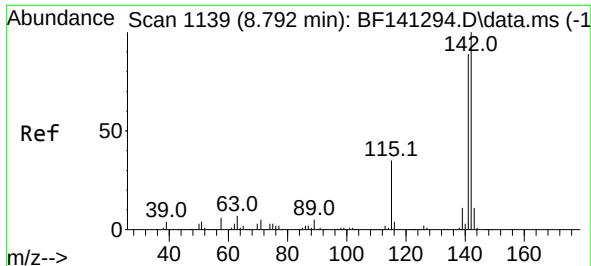
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#36
4-Chloro-3-methylphenol
Concen: 40.841 ng
RT: 8.639 min Scan# 1113
Delta R.T. -0.000 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

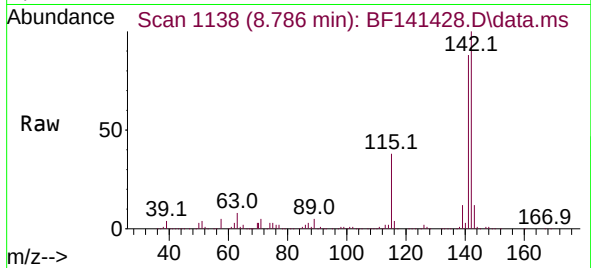
Tgt Ion:107 Resp: 232343
Ion Ratio Lower Upper
107 100
144 24.0 20.7 31.1
142 75.0 63.8 95.8





#37
2-Methylnaphthalene
Concen: 59.714 ng
RT: 8.786 min Scan# 1138
Delta R.T. -0.012 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

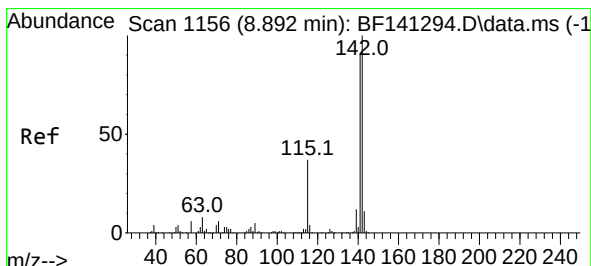
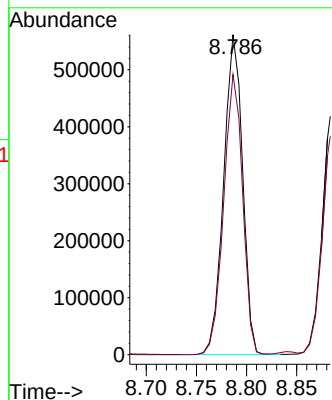
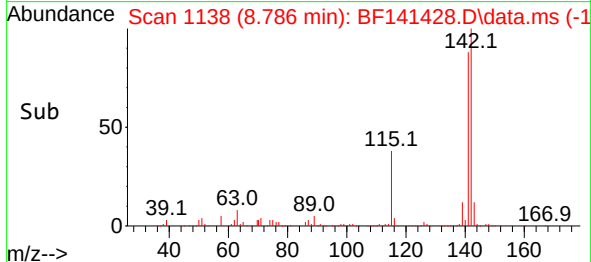
Instrument :
BNA_F
ClientSampleId :
72-11984MS



Tgt Ion:142 Resp: 736084
Ion Ratio Lower Upper
142 100
141 87.6 71.3 106.9

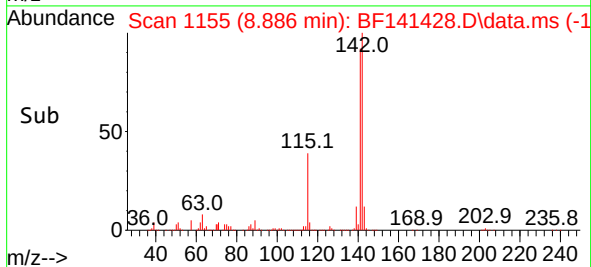
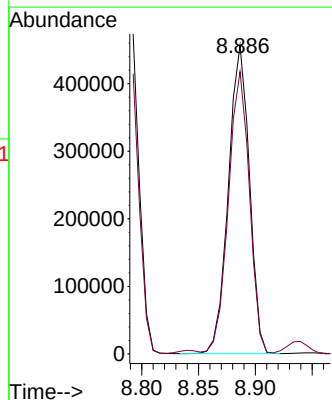
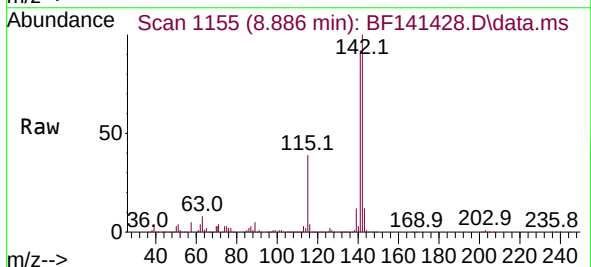
Manual Integrations
APPROVED

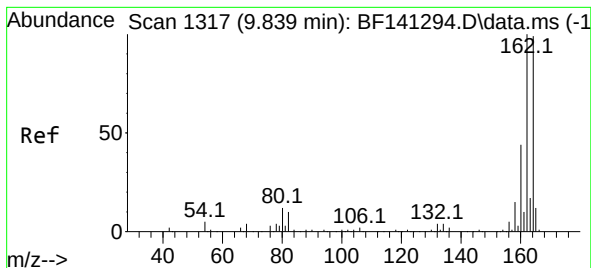
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#38
1-Methylnaphthalene
Concen: 48.427 ng
RT: 8.886 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

Tgt Ion:142 Resp: 586387
Ion Ratio Lower Upper
142 100
141 91.5 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1165

Delta R.T. -0.012 min

Lab File: BF141428.D

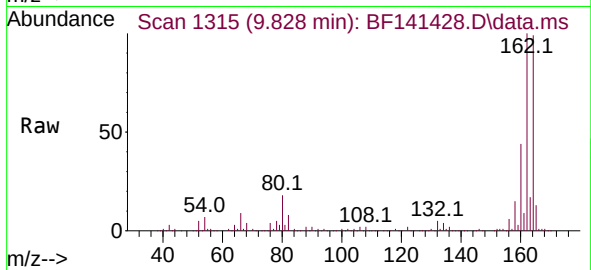
Acq: 04 Feb 2025 23:56

Instrument :

BNF_F

ClientSampleId :

72-11984MS



Tgt Ion:164 Resp: 195792

Ion Ratio Lower Upper

164 100

162 101.5 80.6 121.0

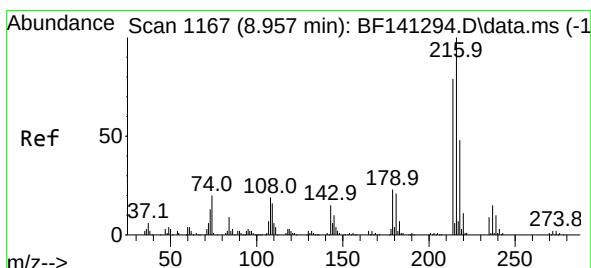
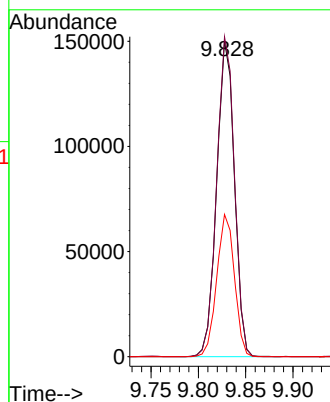
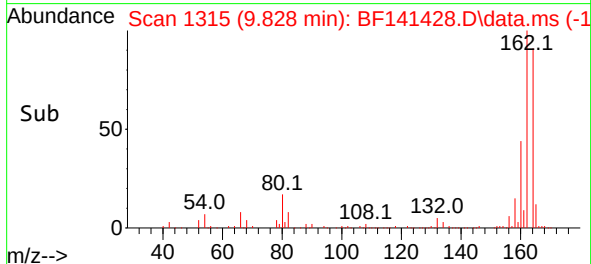
160 45.1 35.8 53.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 45.764 ng

RT: 8.951 min Scan# 1166

Delta R.T. -0.012 min

Lab File: BF141428.D

Acq: 04 Feb 2025 23:56

Tgt Ion:216 Resp: 254907

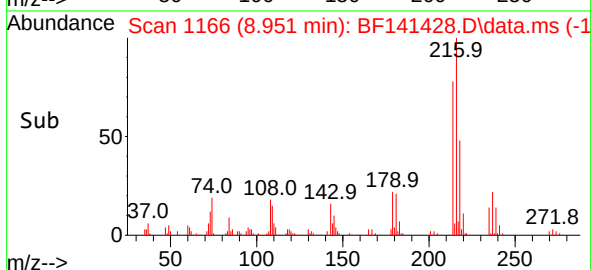
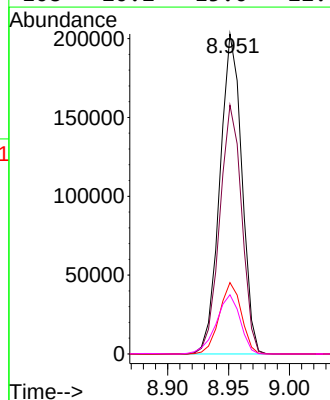
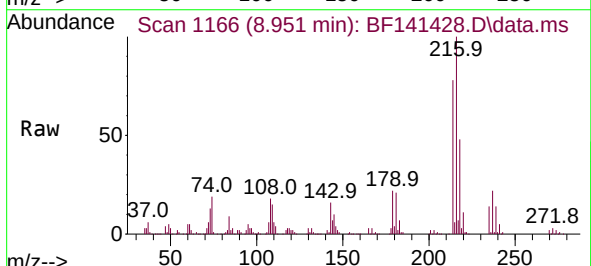
Ion Ratio Lower Upper

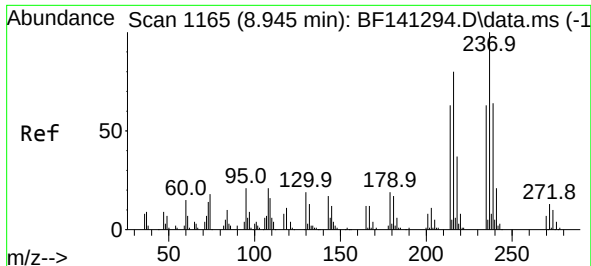
216 100

214 77.6 63.2 94.8

179 22.3 17.8 26.8

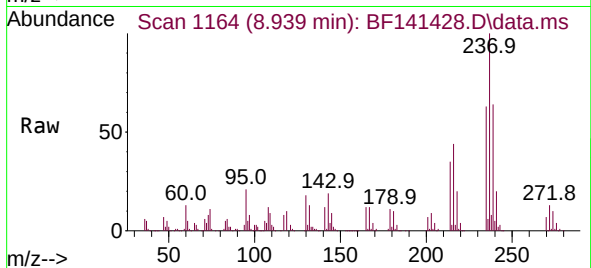
108 20.2 15.0 22.6





#41
Hexachlorocyclopentadiene
Concen: 118.931 ng
RT: 8.939 min Scan# 1164
Delta R.T. -0.012 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

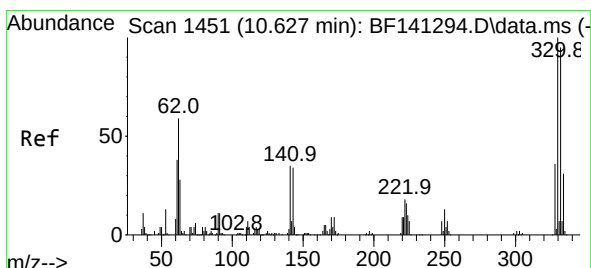
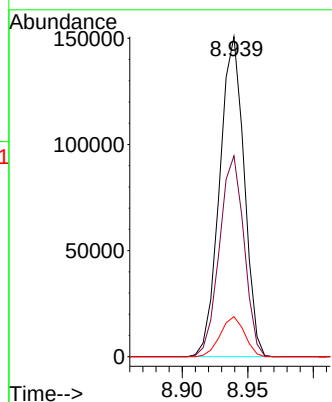
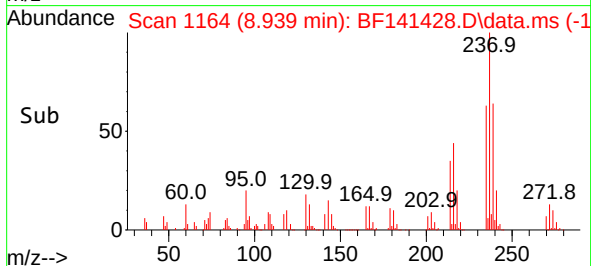
Instrument :
BNA_F
ClientSampleId :
72-11984MS



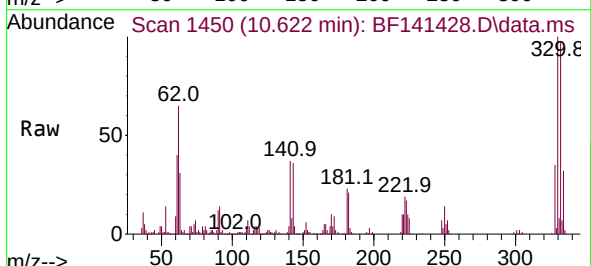
Tgt Ion: 237 Resp: 19564
Ion Ratio Lower Upper
237 100
235 62.7 42.9 82.9
272 12.5 0.0 32.8

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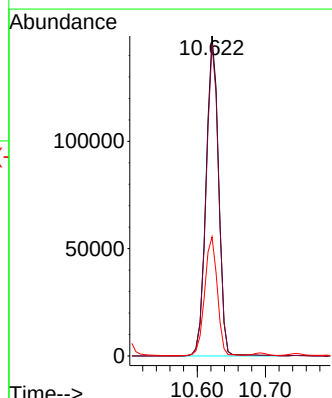
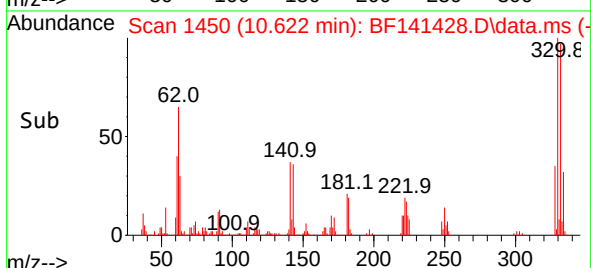
Reviewed By : Yogesh Patel 02/05/2025
Supervised By : mohammad ahmed 02/05/2025

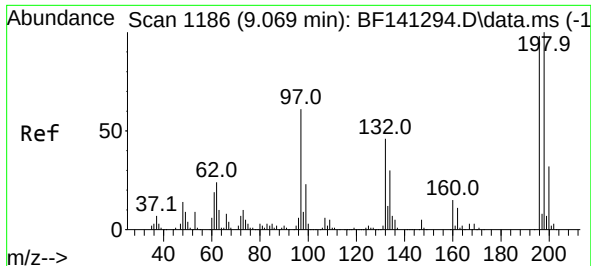


#42
2,4,6-Tribromophenol
Concen: 106.121 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56



Tgt Ion: 330 Resp: 190484
Ion Ratio Lower Upper
330 100
332 97.0 76.1 114.1
141 37.3 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 41.303 ng

RT: 9.069 min Scan# 1186

Delta R.T. -0.006 min

Lab File: BF141428.D

Acq: 04 Feb 2025 23:56

Instrument :

BNA_F

ClientSampleId :

72-11984MS

Tgt Ion:196 Resp: 15058

Ion Ratio Lower Upper

196 100

198 101.1 81.8 122.6

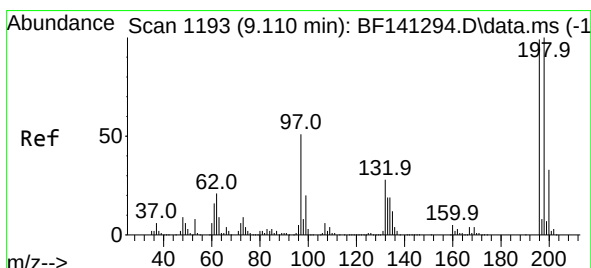
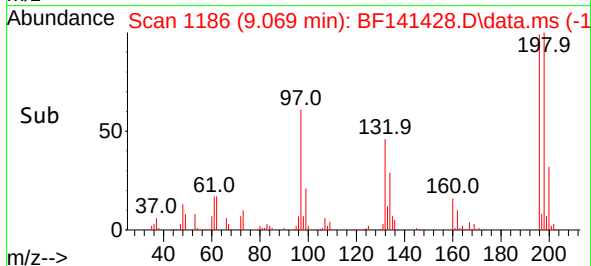
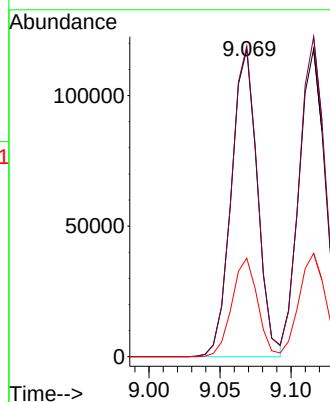
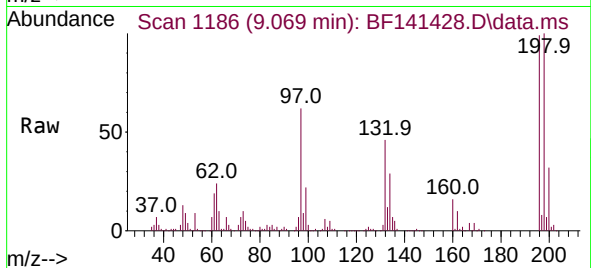
200 32.1 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#44

2,4,5-Trichlorophenol

Concen: 39.319 ng

RT: 9.116 min Scan# 1194

Delta R.T. -0.000 min

Lab File: BF141428.D

Acq: 04 Feb 2025 23:56

Tgt Ion:196 Resp: 156020

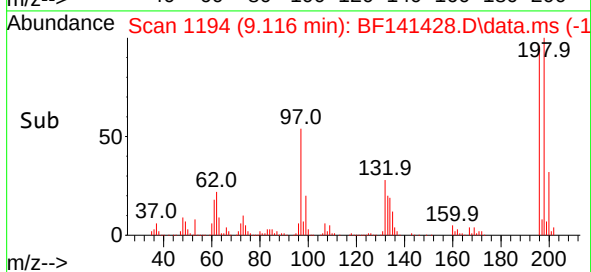
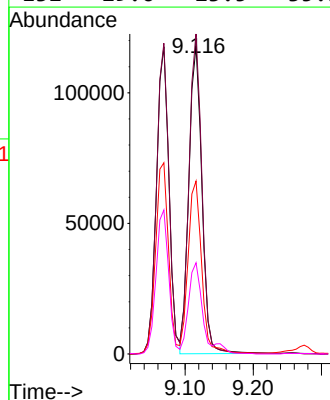
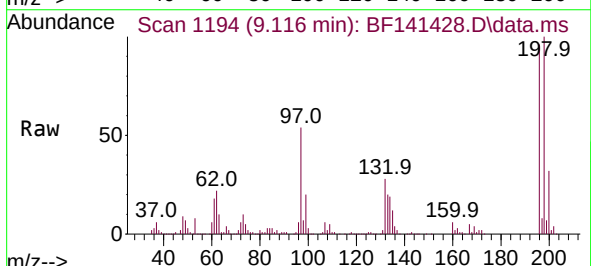
Ion Ratio Lower Upper

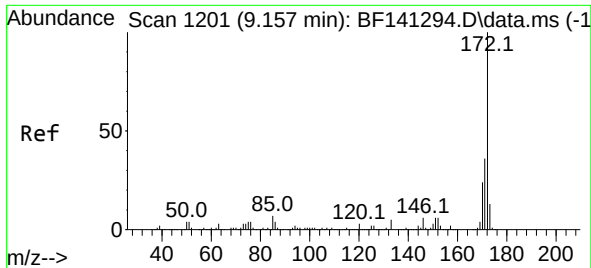
196 100

198 103.9 80.5 120.7

97 56.1 42.8 64.2

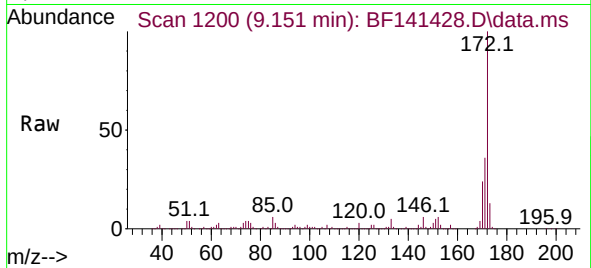
132 29.6 23.5 35.3





#45
2-Fluorobiphenyl
Concen: 67.360 ng
RT: 9.151 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

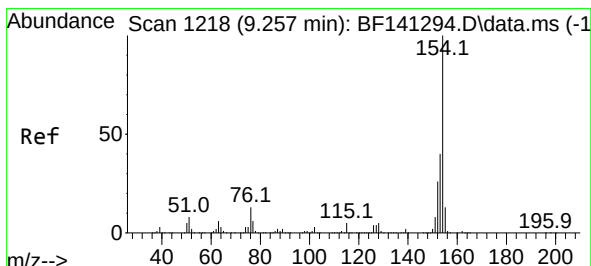
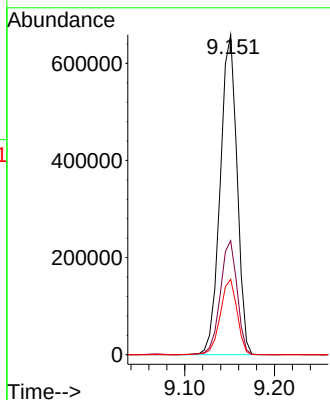
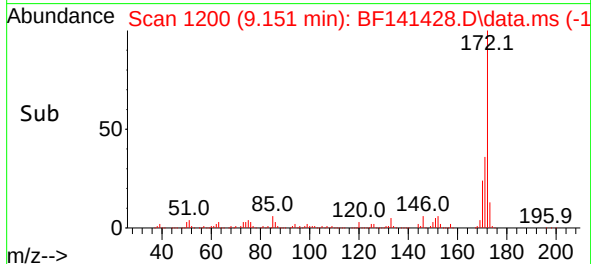
Instrument :
BNA_F
ClientSampleId :
72-11984MS



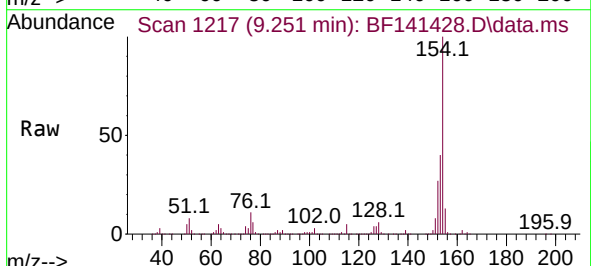
Tgt Ion:172 Resp: 85684
Ion Ratio Lower Upper
172 100
171 35.6 28.8 43.2
170 23.5 19.0 28.6

Manual Integrations
APPROVED

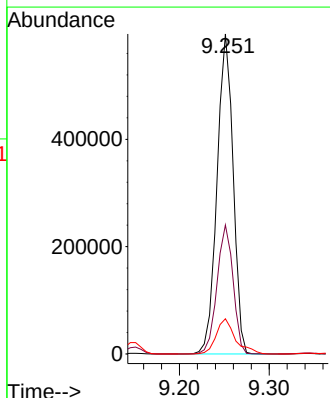
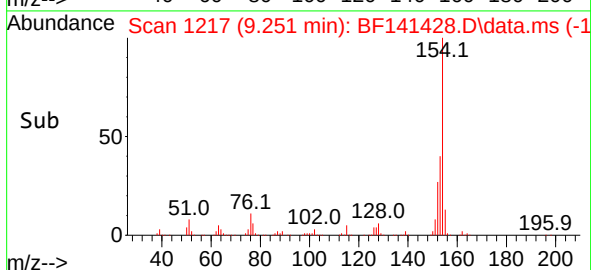
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

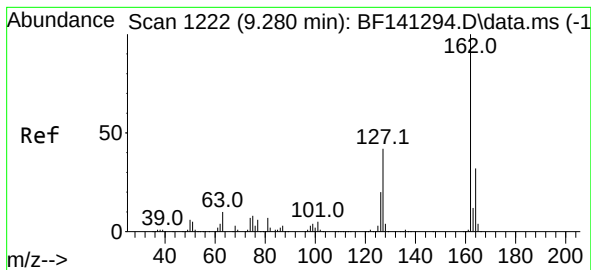


#46
1,1'-Biphenyl
Concen: 48.595 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.012 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56



Tgt Ion:154 Resp: 742011
Ion Ratio Lower Upper
154 100
153 40.3 20.0 60.0
76 11.0 0.0 32.8





#47
2-Chloronaphthalene
Concen: 38.093 ng
RT: 9.275 min Scan# 1221
Delta R.T. -0.012 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

Instrument :

BNA_F

ClientSampleId :

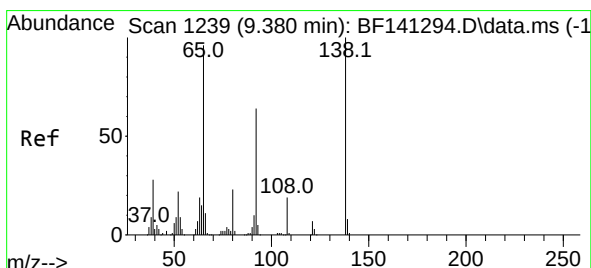
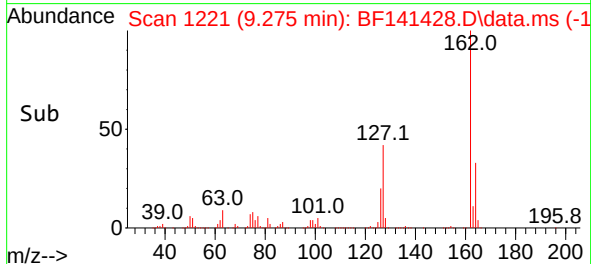
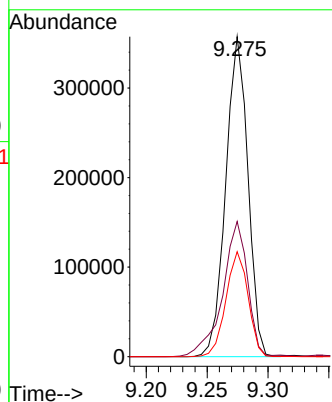
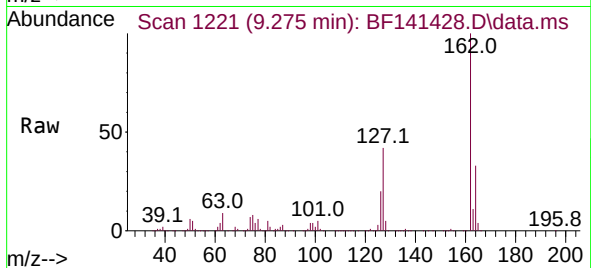
72-11984MS

Tgt Ion:162 Resp: 453369
Ion Ratio Lower Upper
162 100
127 42.3 33.7 50.5
164 32.8 25.9 38.9

Manual Integrations

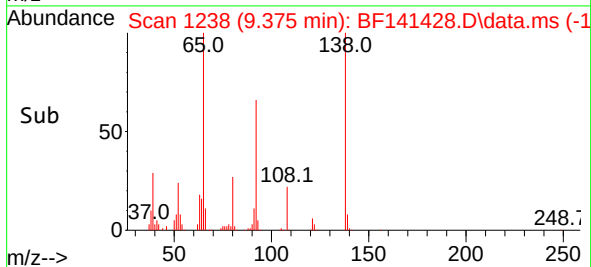
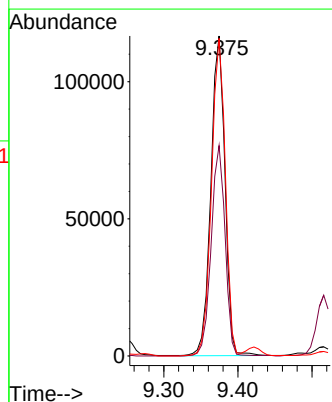
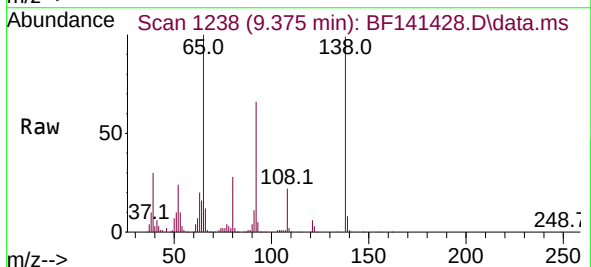
APPROVED

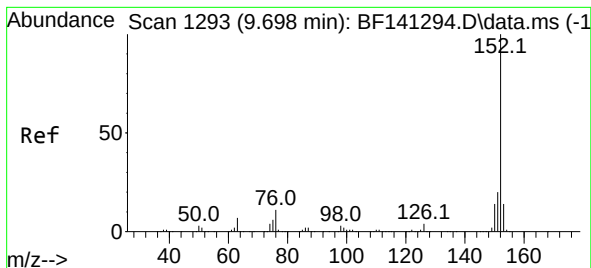
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#48
2-Nitroaniline
Concen: 41.027 ng
RT: 9.375 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

Tgt Ion: 65 Resp: 153587
Ion Ratio Lower Upper
65 100
92 65.8 53.3 79.9
138 99.3 83.6 125.4





#49

Acenaphthylene

Concen: 41.926 ng

RT: 9.692 min Scan# 1293

Delta R.T. -0.012 min

Lab File: BF141428.D

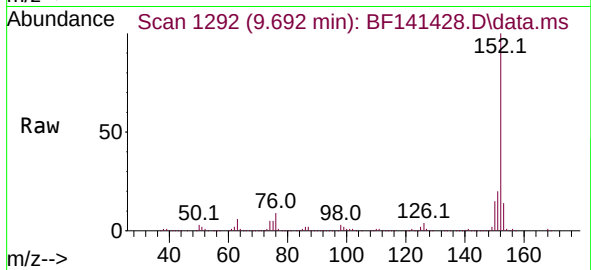
Acq: 04 Feb 2025 23:56

Instrument :

BNA_F

ClientSampleId :

72-11984MS



Tgt Ion:152 Resp: 69850

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.2

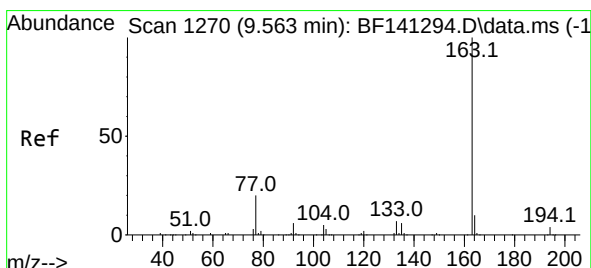
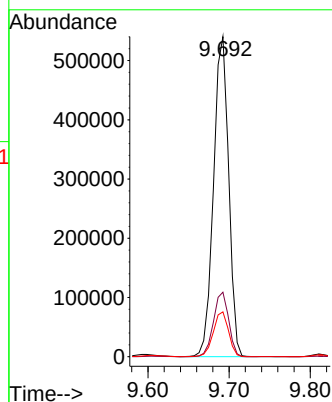
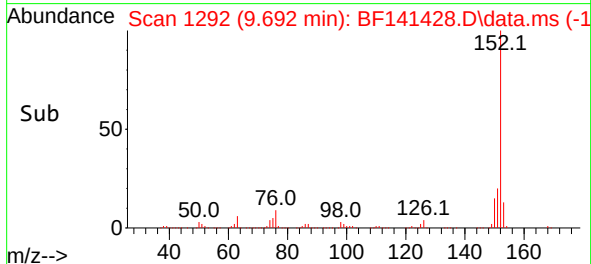
153 14.0 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#50

Dimethylphthalate

Concen: 41.277 ng

RT: 9.557 min Scan# 1269

Delta R.T. -0.012 min

Lab File: BF141428.D

Acq: 04 Feb 2025 23:56

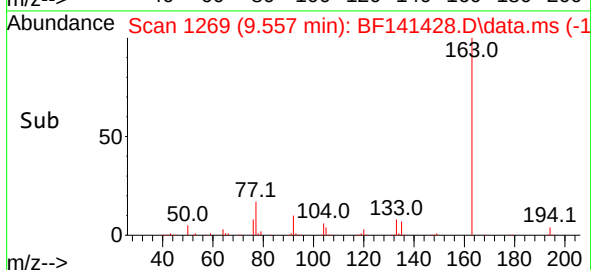
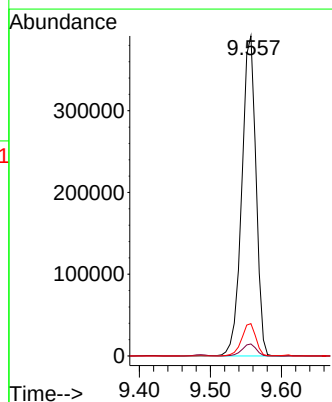
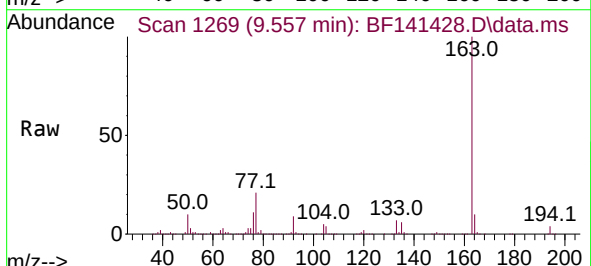
Tgt Ion:163 Resp: 545841

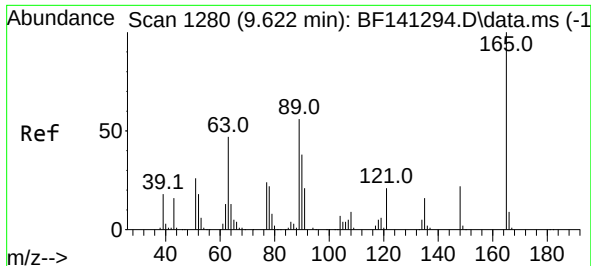
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

164 10.1 8.0 12.0





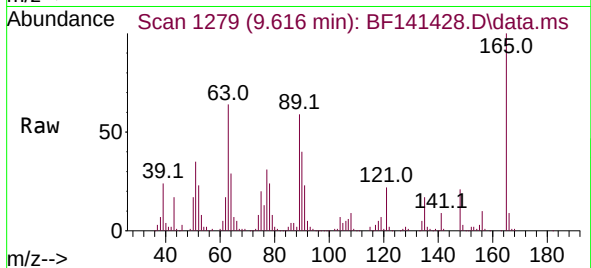
#51
2,6-Dinitrotoluene
Concen: 38.176 ng
RT: 9.616 min Scan# 117214
Delta R.T. -0.012 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

Instrument :

BNA_F

ClientSampleId :

72-11984MS

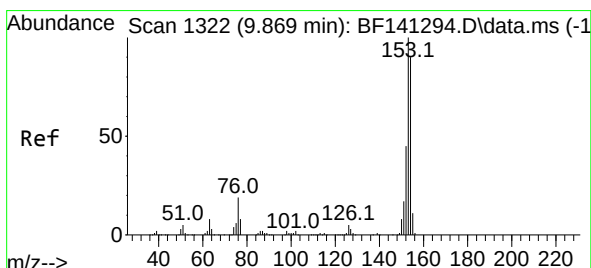
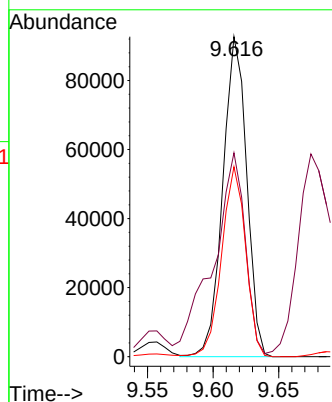
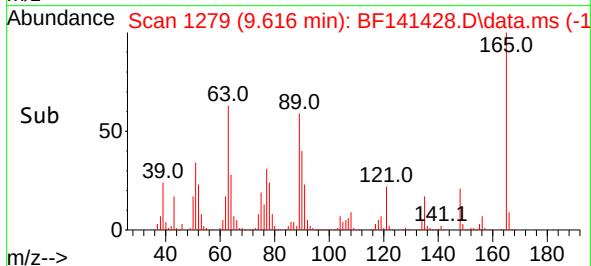


Tgt Ion:165 Resp: 117214
Ion Ratio Lower Upper
165 100
63 63.7 48.1 72.1
89 59.3 44.9 67.3

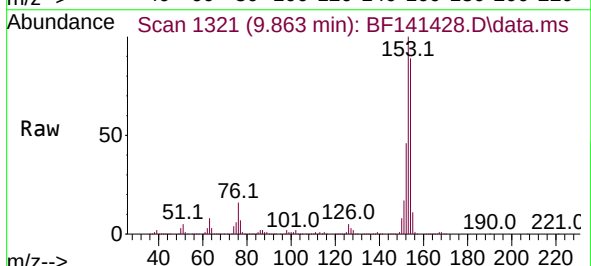
Manual Integrations

APPROVED

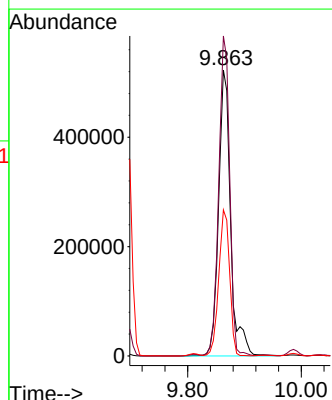
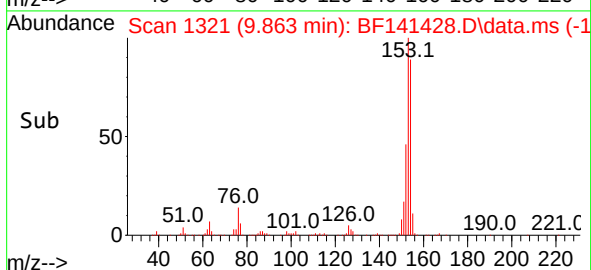
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

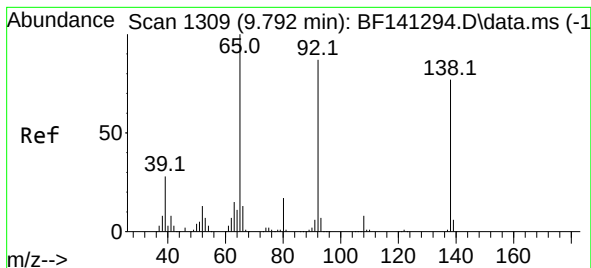


#52
Acenaphthene
Concen: 64.428 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.012 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56



Tgt Ion:154 Resp: 766827
Ion Ratio Lower Upper
154 100
153 111.9 89.0 133.4
152 51.1 40.2 60.4





#53

3-Nitroaniline

Concen: 18.231 ng

RT: 9.786 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141428.D

Acq: 04 Feb 2025 23:56

Instrument :

BNA_F

ClientSampleId :

72-11984MS

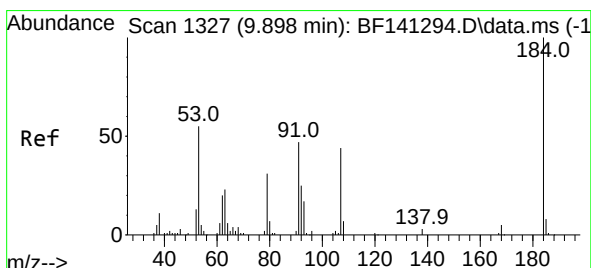
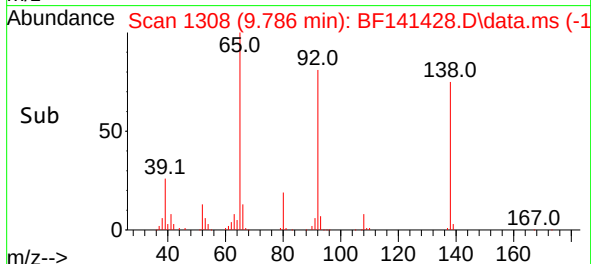
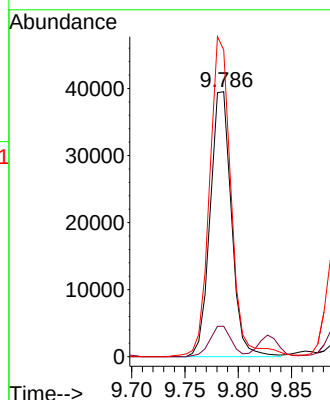
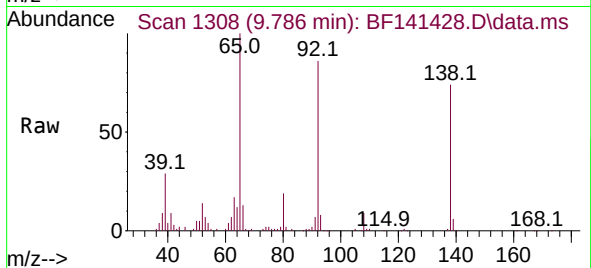
Tgt Ion:138 Resp: 5486

Ion	Ratio	Lower	Upper
138	100		
108	11.5	8.6	12.8
92	115.9	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: 68.653 ng

RT: 9.892 min Scan# 1326

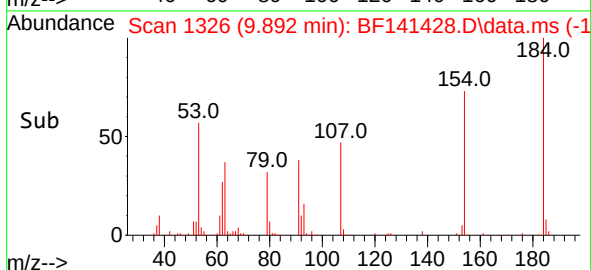
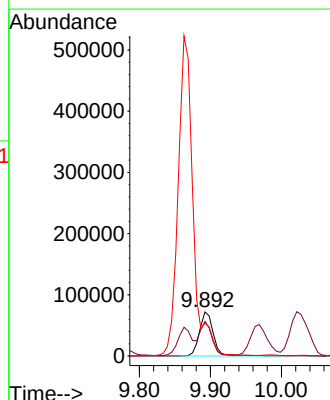
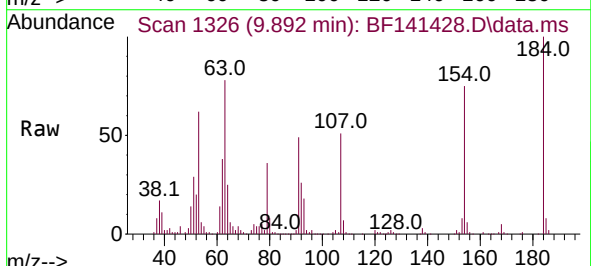
Delta R.T. -0.012 min

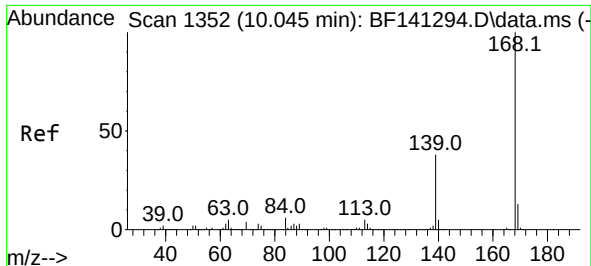
Lab File: BF141428.D

Acq: 04 Feb 2025 23:56

Tgt Ion:184 Resp: 97987

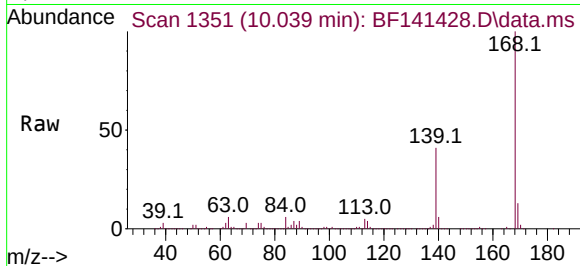
Ion	Ratio	Lower	Upper
184	100		
63	78.3	54.1	81.1
154	74.5	50.7	76.1





#55
Dibenzenofuran
Concen: 54.802 ng
RT: 10.039 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

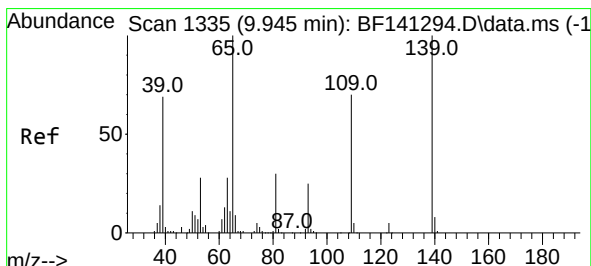
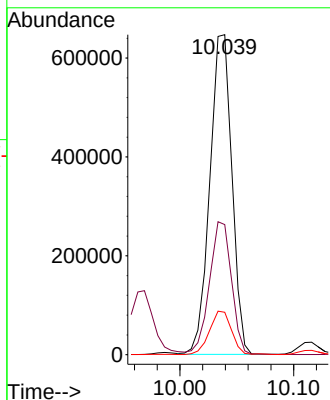
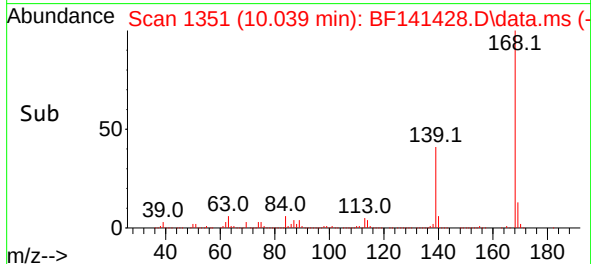
Instrument :
BNA_F
ClientSampleId :
72-11984MS



Tgt Ion:168 Resp: 87307
Ion Ratio Lower Upper
168 100
139 40.6 30.6 46.0
169 13.3 10.8 16.2

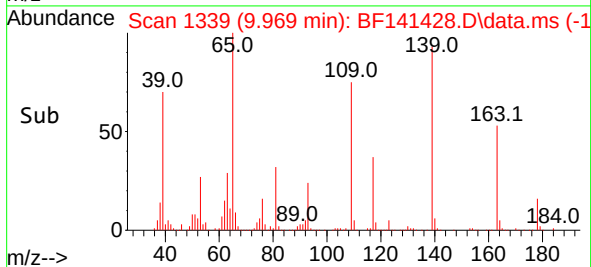
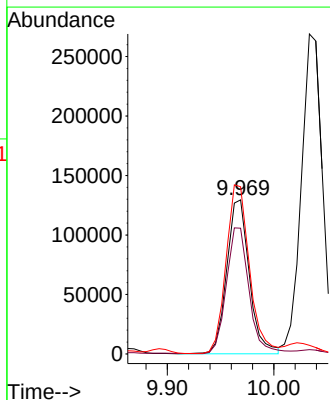
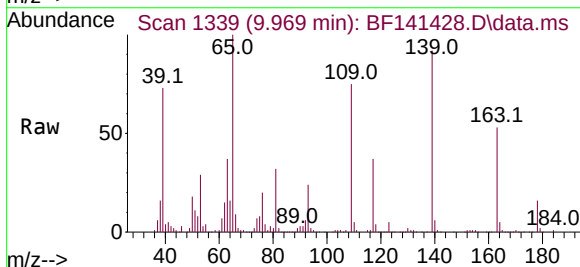
Manual Integrations
APPROVED

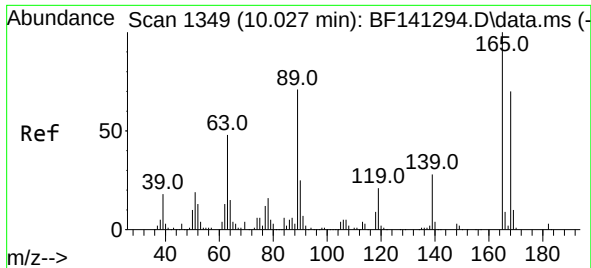
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#56
4-Nitrophenol
Concen: 86.708 ng
RT: 9.969 min Scan# 1339
Delta R.T. 0.012 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

Tgt Ion:139 Resp: 190830
Ion Ratio Lower Upper
139 100
109 81.6 50.2 90.2
65 108.6 80.6 120.6





#57
2,4-Dinitrotoluene
Concen: 40.804 ng
RT: 10.022 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

Instrument :

BNA_F

ClientSampleId :

72-11984MS

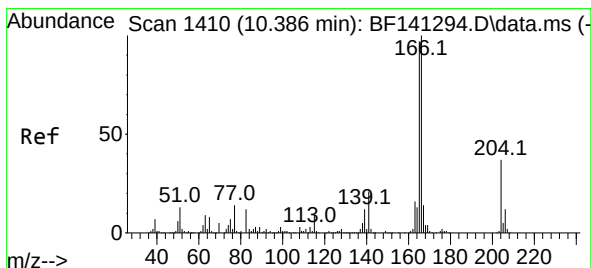
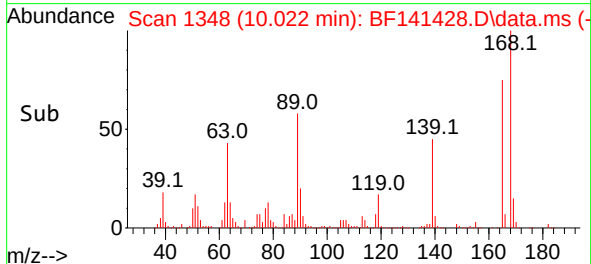
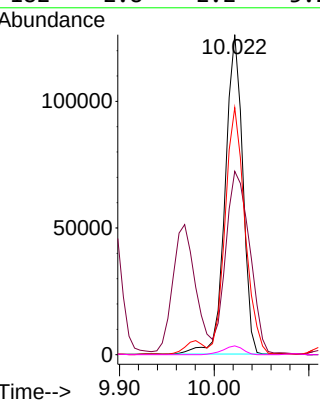
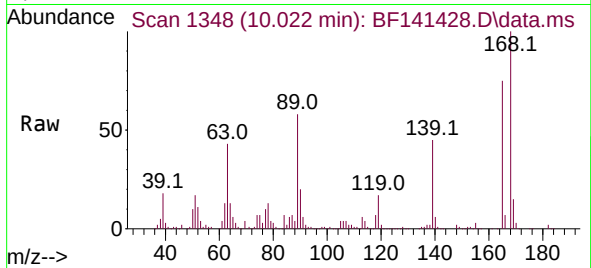
Tgt Ion:165 Resp: 162208
Ion Ratio Lower Upper
165 100
63 57.3 39.2 58.8
89 77.2 56.9 85.3
182 2.8 2.2 3.2

Manual Integrations

APPROVED

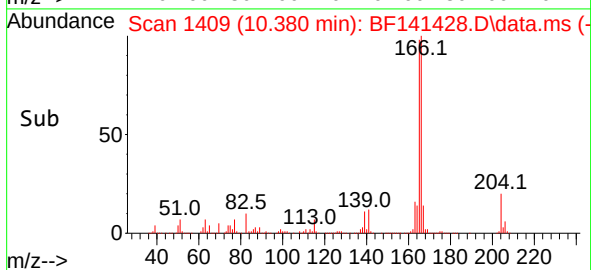
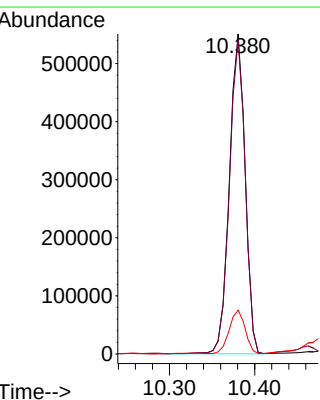
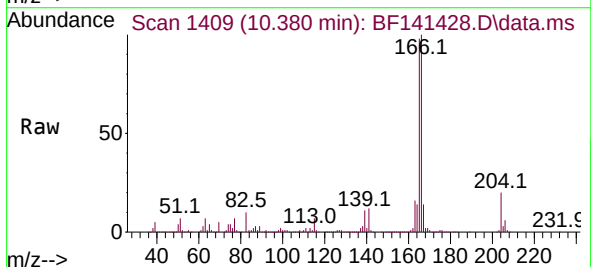
Reviewed By :Yogesh Patel 02/05/2025

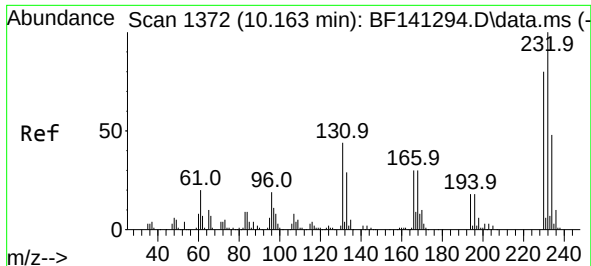
Supervised By :mohammad ahmed 02/05/2025



#58
Fluorene
Concen: 57.284 ng
RT: 10.380 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

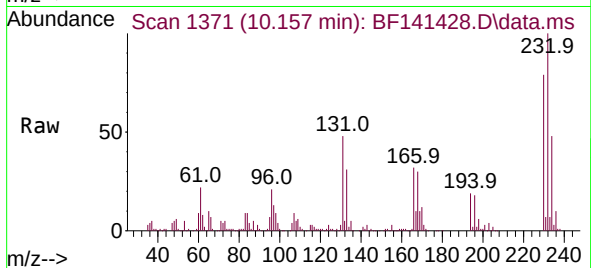
Tgt Ion:166 Resp: 707908
Ion Ratio Lower Upper
166 100
165 98.0 77.5 116.3
167 13.7 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 42.643 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

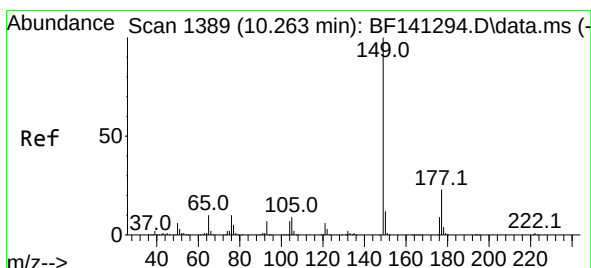
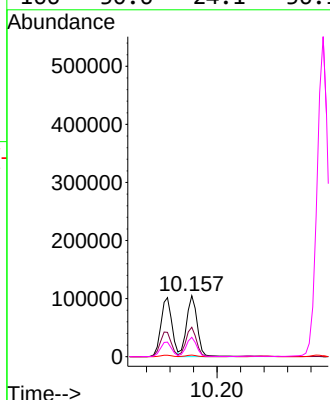
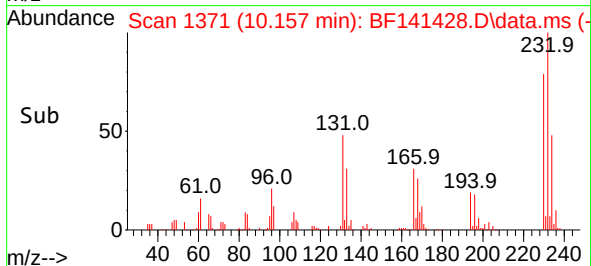
Instrument :
BNA_F
ClientSampleId :
72-11984MS



Tgt Ion:232 Resp: 133120
Ion Ratio Lower Upper
232 100
131 47.8 36.4 54.6
130 2.7 1.9 2.9
166 30.6 24.1 36.1

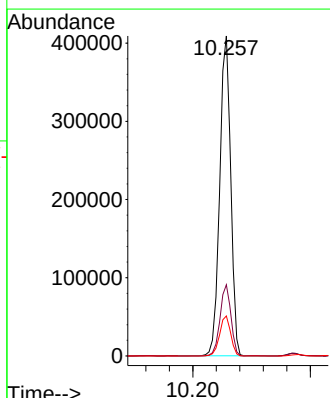
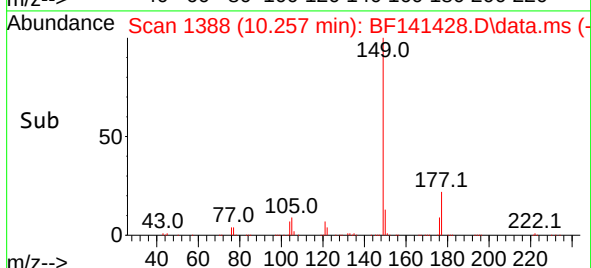
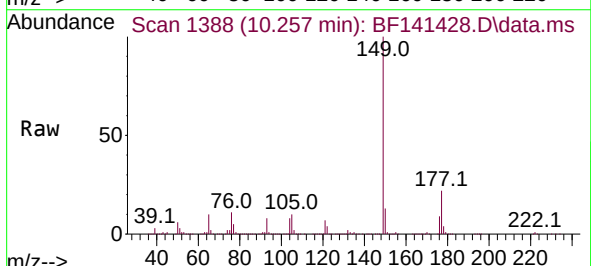
Manual Integrations
APPROVED

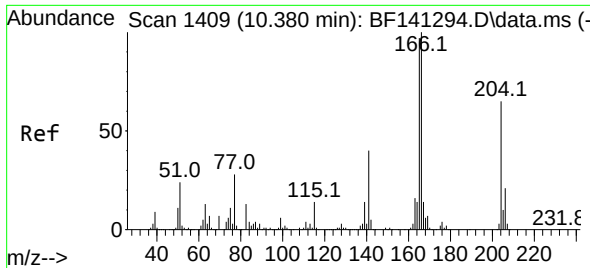
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#60
Diethylphthalate
Concen: 41.306 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

Tgt Ion:149 Resp: 529623
Ion Ratio Lower Upper
149 100
177 22.2 18.5 27.7
150 12.5 10.0 15.0





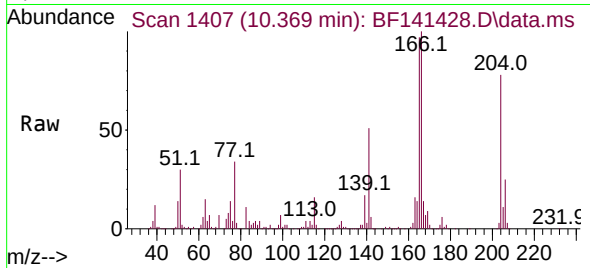
#61
4-Chlorophenyl-phenylether
Concen: 40.179 ng
RT: 10.369 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

Instrument :

BNA_F

ClientSampleId :

72-11984MS

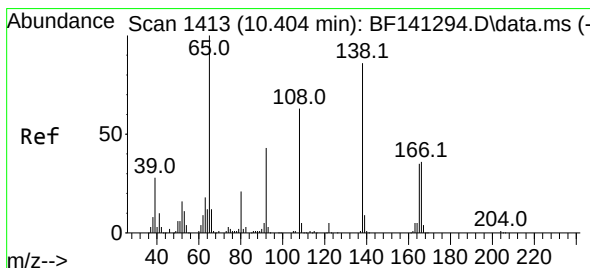
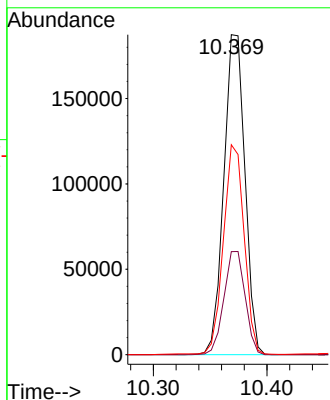
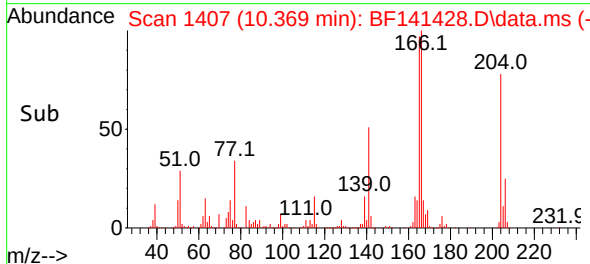


Tgt Ion:204 Resp: 24254
Ion Ratio Lower Upper
204 100
206 32.2 25.9 38.9
141 65.6 49.5 74.3

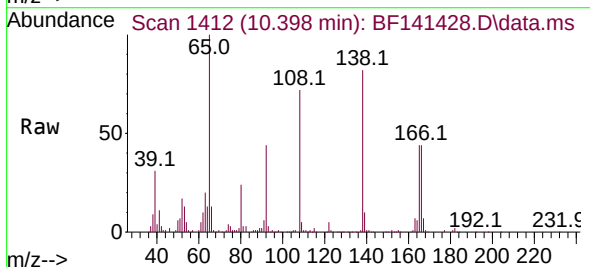
Manual Integrations

APPROVED

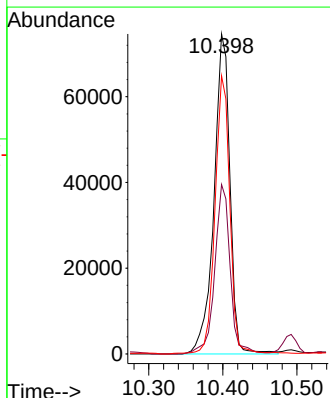
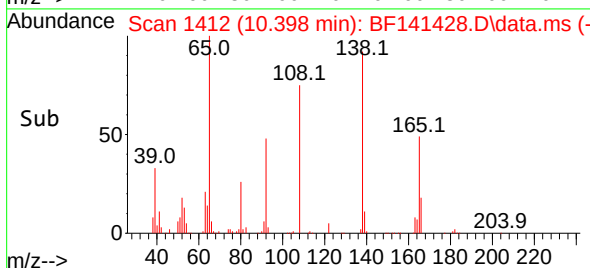
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

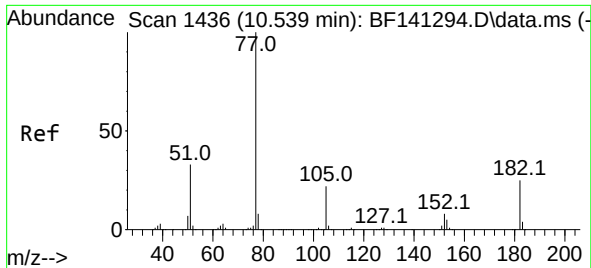


#62
4-Nitroaniline
Concen: 37.743 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.018 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56



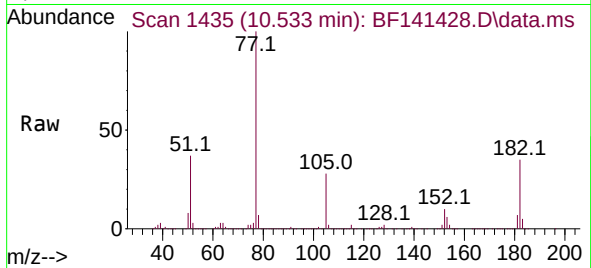
Tgt Ion:138 Resp: 111667
Ion Ratio Lower Upper
138 100
92 52.9 30.1 70.1
108 86.9 53.1 93.1





#63
Azobenzene
Concen: 46.938 ng
RT: 10.533 min Scan# 1435
Delta R.T. -0.012 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

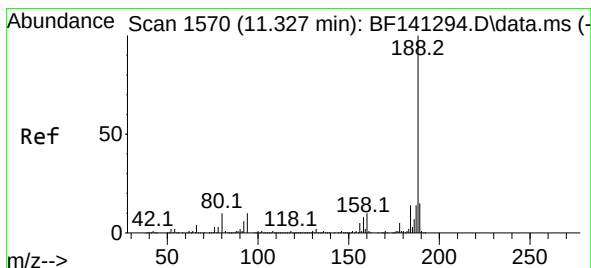
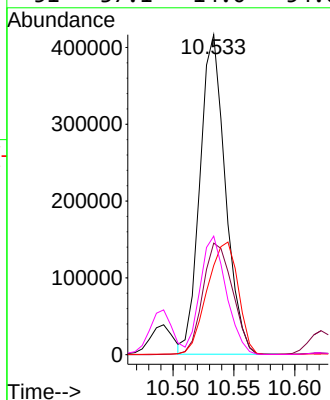
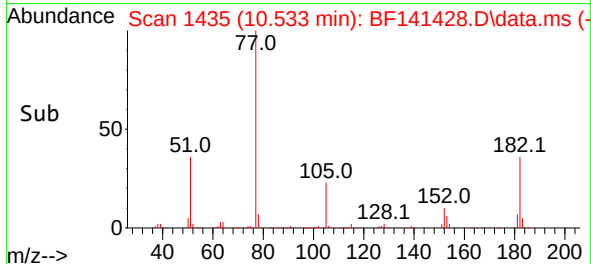
Instrument :
BNA_F
ClientSampleId :
72-11984MS



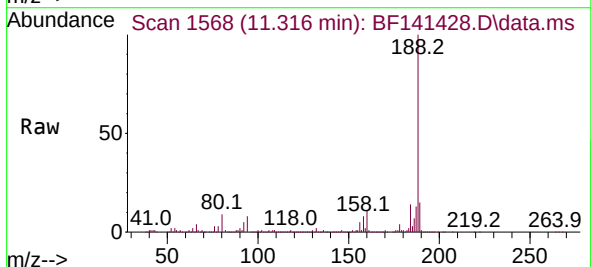
Tgt Ion: 77 Resp: 602420
Ion Ratio Lower Upper
77 100
182 34.9 5.1 45.1
105 27.8 1.8 41.8
51 37.1 14.0 54.0

Manual Integrations
APPROVED

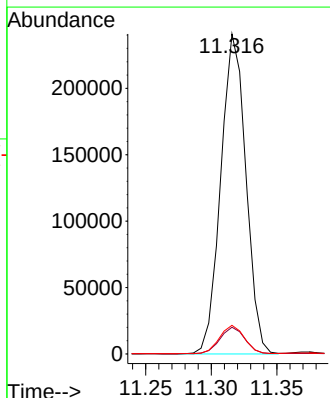
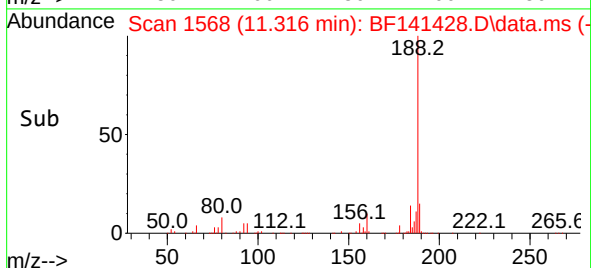
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

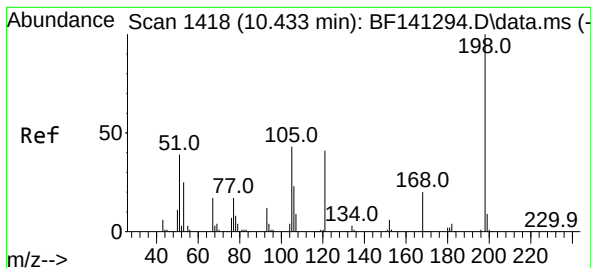


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56



Tgt Ion:188 Resp: 321011
Ion Ratio Lower Upper
188 100
94 8.4 7.8 11.6
80 8.9 8.2 12.4





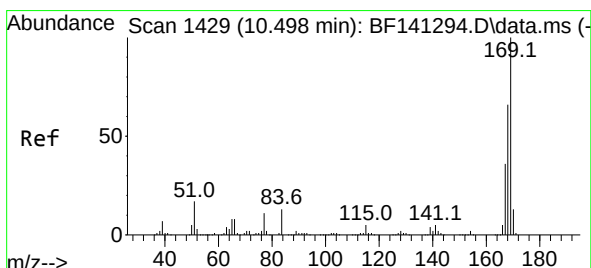
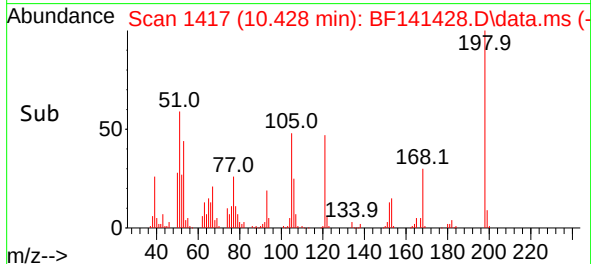
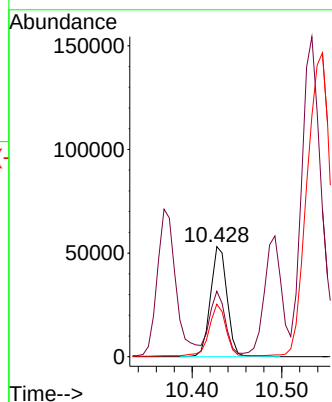
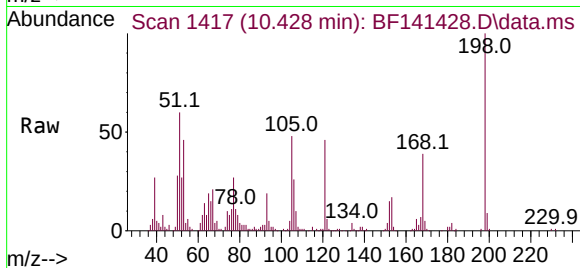
#65
4,6-Dinitro-2-methylphenol
Concen: 35.857 ng
RT: 10.428 min Scan# 1418
Delta R.T. -0.012 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

Instrument :
BNA_F
ClientSampleId :
72-11984MS

Tgt Ion:198 Resp: 68085
Ion Ratio Lower Upper
198 100
51 59.5 33.4 73.4
105 47.8 24.4 64.4

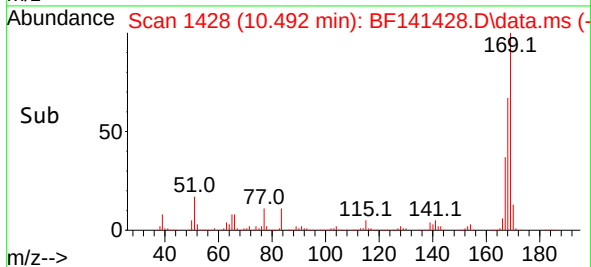
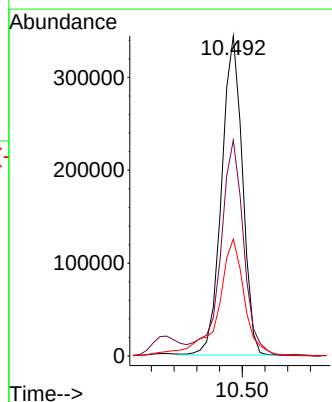
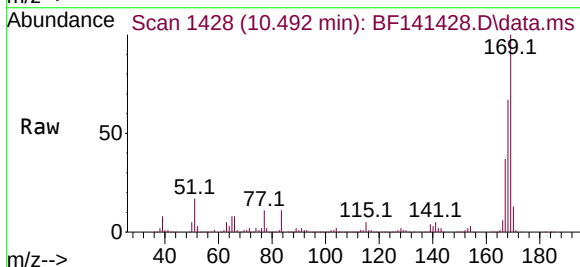
Manual Integrations
APPROVED

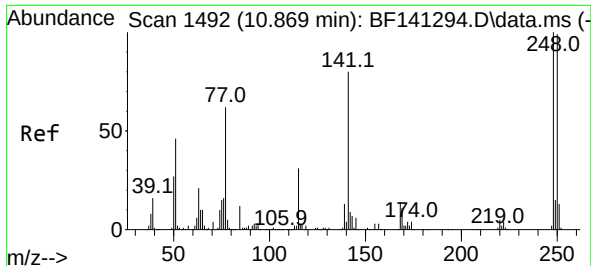
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#66
n-Nitrosodiphenylamine
Concen: 42.206 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

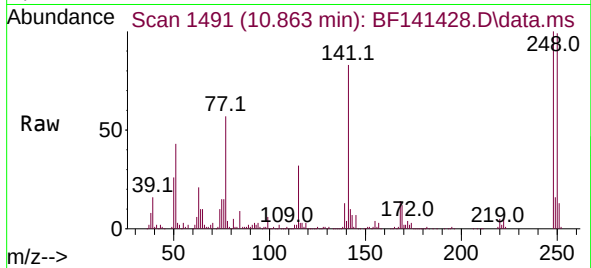
Tgt Ion:169 Resp: 438215
Ion Ratio Lower Upper
169 100
168 67.5 53.0 79.4
167 36.6 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 41.032 ng
RT: 10.863 min Scan# 1491
Delta R.T. -0.012 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

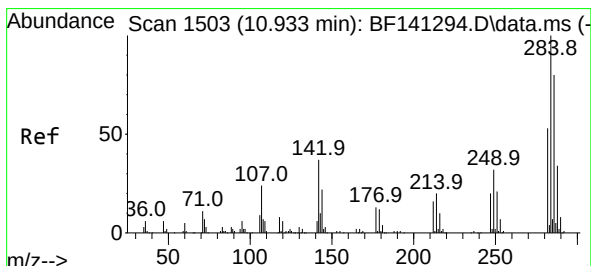
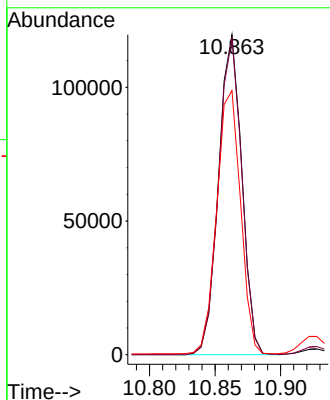
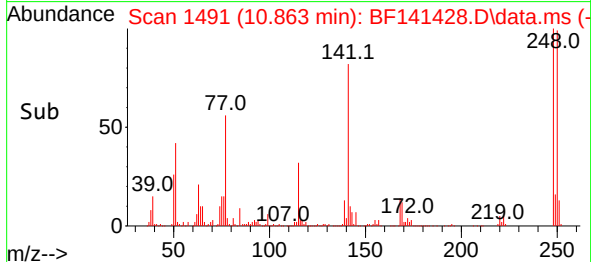
Instrument :
BNA_F
ClientSampleId :
72-11984MS



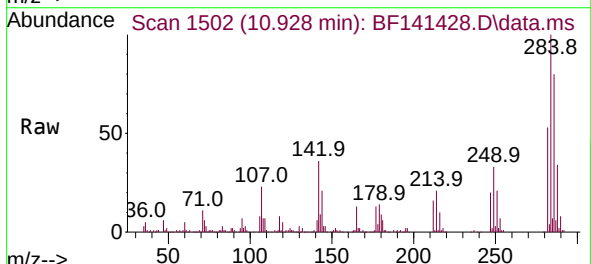
Tgt Ion:248 Resp: 147463
Ion Ratio Lower Upper
248 100
250 98.8 79.0 118.4
141 82.5 63.7 95.5

Manual Integrations
APPROVED

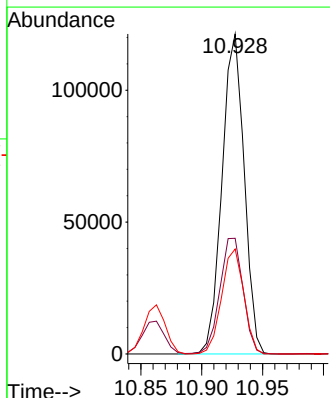
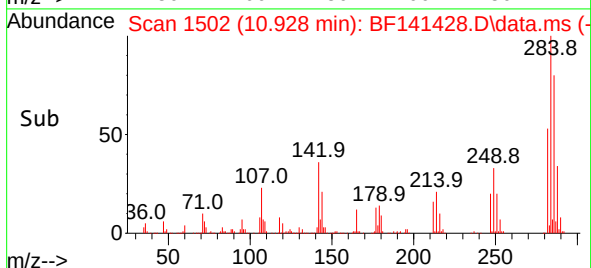
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

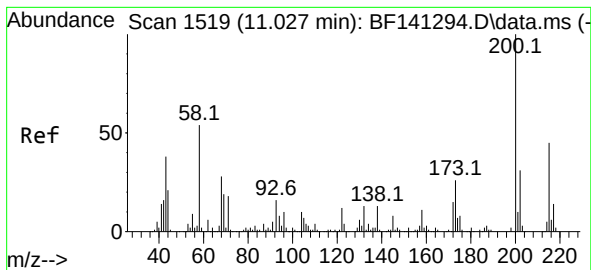


#68
Hexachlorobenzene
Concen: 40.272 ng
RT: 10.928 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56



Tgt Ion:284 Resp: 153522
Ion Ratio Lower Upper
284 100
142 36.1 29.5 44.3
249 32.8 25.4 38.2





#69

Atrazine

Concen: 47.893 ng

RT: 11.022 min Scan# 1519

Delta R.T. -0.012 min

Lab File: BF141428.D

Acq: 04 Feb 2025 23:56

Instrument :

BNA_F

ClientSampleId :

72-11984MS

Tgt Ion:200 Resp: 166258

Ion Ratio Lower Upper

200 100

173 25.4 5.9 45.9

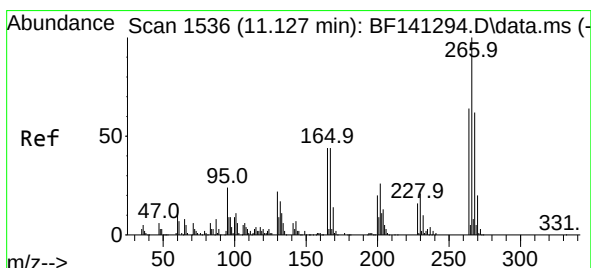
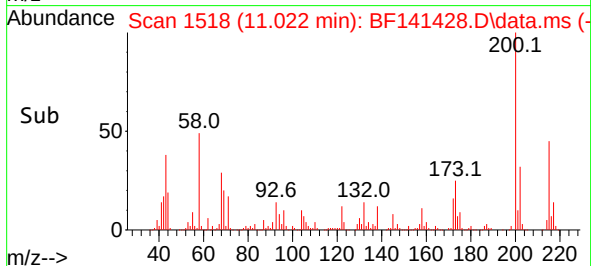
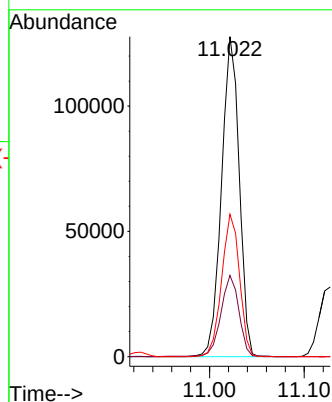
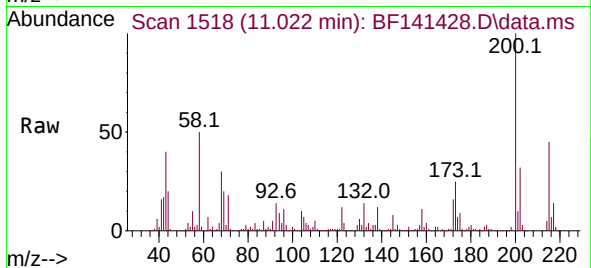
215 44.5 25.2 65.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#70

Pentachlorophenol

Concen: 87.870 ng

RT: 11.127 min Scan# 1536

Delta R.T. -0.006 min

Lab File: BF141428.D

Acq: 04 Feb 2025 23:56

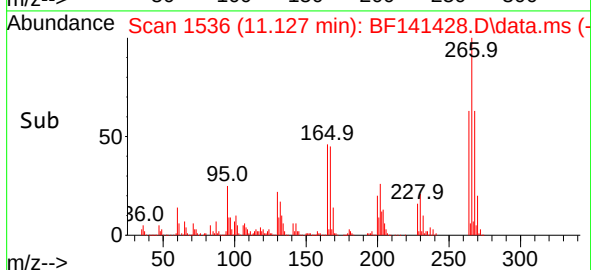
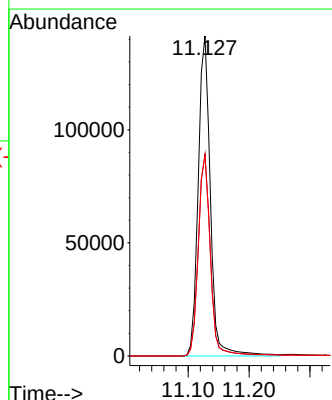
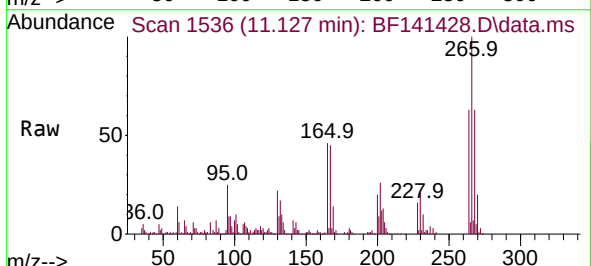
Tgt Ion:266 Resp: 196154

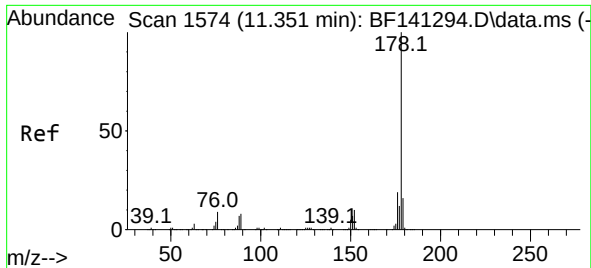
Ion Ratio Lower Upper

266 100

268 63.1 49.9 74.9

264 62.6 51.0 76.4





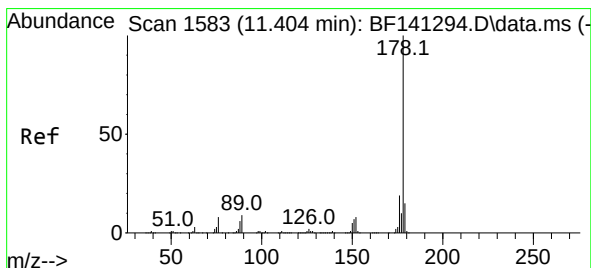
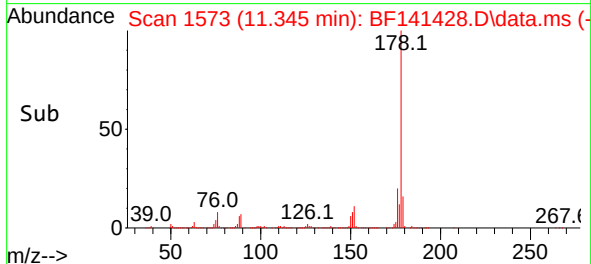
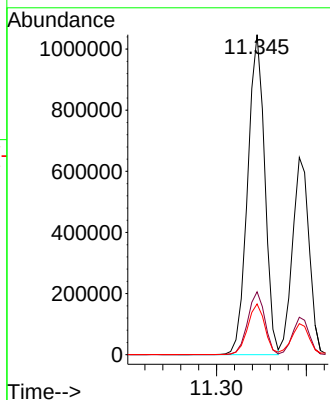
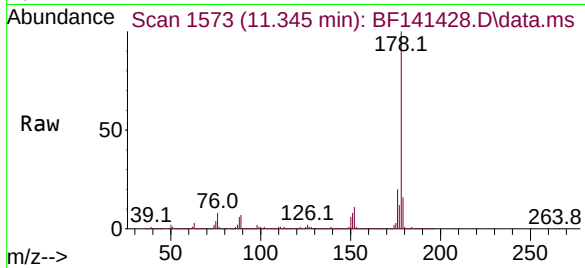
#71
Phenanthrene
Concen: 80.041 ng
RT: 11.345 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

Instrument :
BNA_F
ClientSampleId :
72-11984MS

Tgt Ion:178 Resp: 138116
Ion Ratio Lower Upper
178 100
176 19.6 15.3 22.9
179 15.9 12.5 18.7

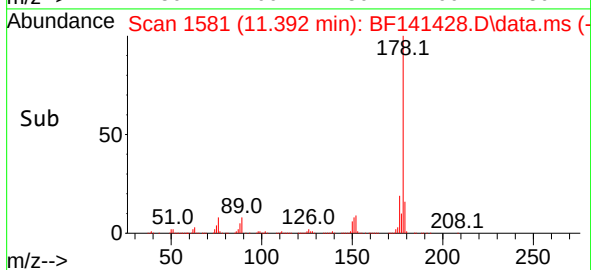
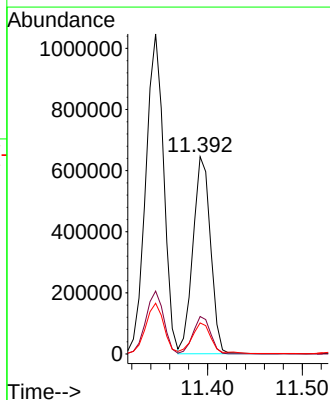
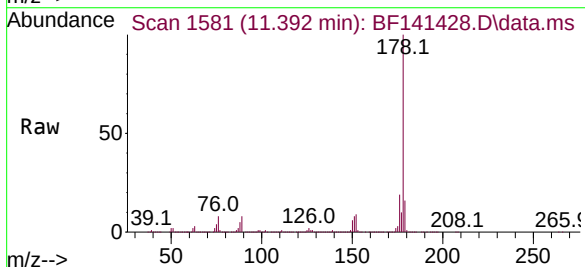
Manual Integrations
APPROVED

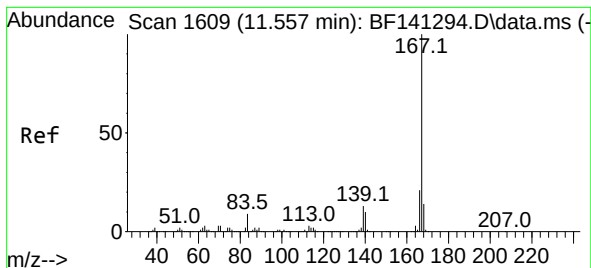
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#72
Anthracene
Concen: 49.238 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

Tgt Ion:178 Resp: 832486
Ion Ratio Lower Upper
178 100
176 18.9 15.0 22.6
179 15.7 12.3 18.5





#73

Carbazole

Concen: 44.022 ng

RT: 11.551 min Scan# 1608

Delta R.T. -0.006 min

Lab File: BF141428.D

Acq: 04 Feb 2025 23:56

Instrument :

BNA_F

ClientSampleId :

72-11984MS

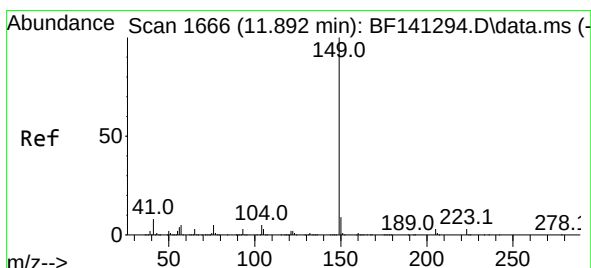
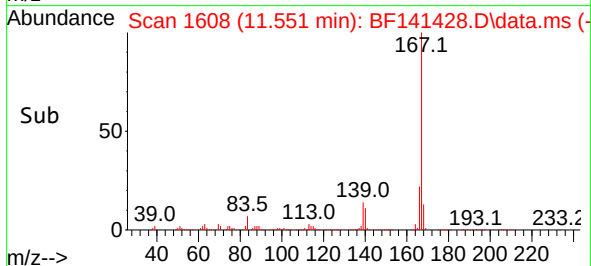
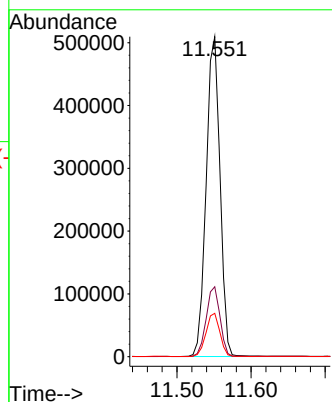
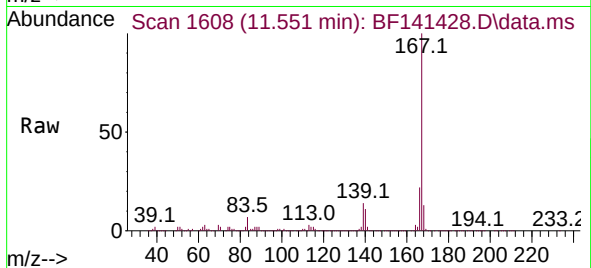
Tgt Ion:167 Resp: 659988
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.0 25.6
 139 13.5 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#74

Di-n-butylphthalate

Concen: 44.175 ng

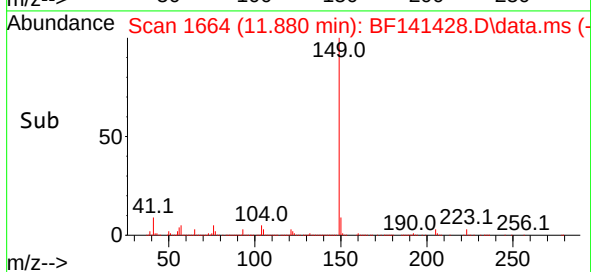
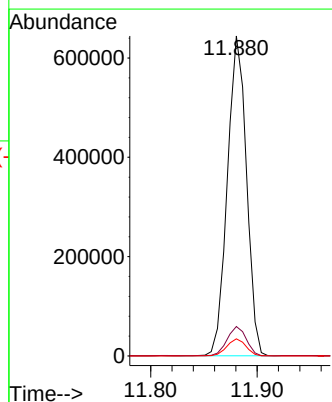
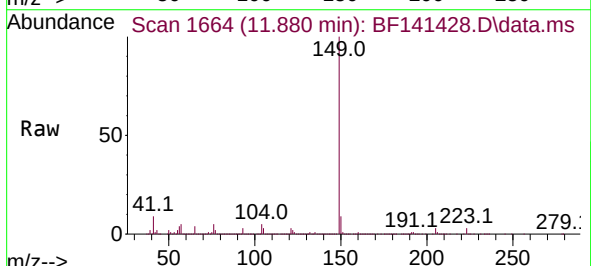
RT: 11.880 min Scan# 1664

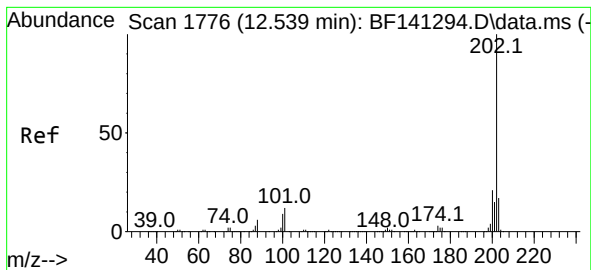
Delta R.T. -0.012 min

Lab File: BF141428.D

Acq: 04 Feb 2025 23:56

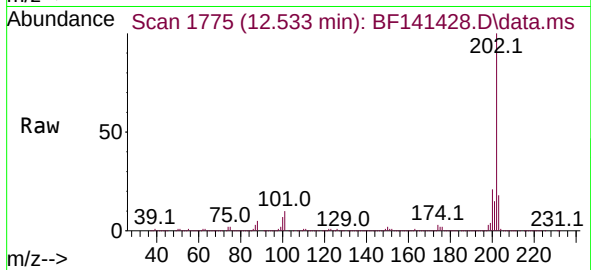
Tgt Ion:149 Resp: 802610
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.4 11.2
 104 5.4 3.9 5.9





#75
Fluoranthene
Concen: 56.895 ng
RT: 12.533 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

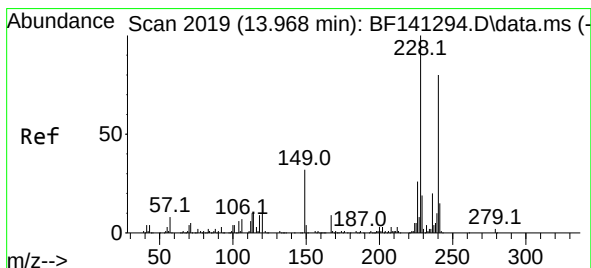
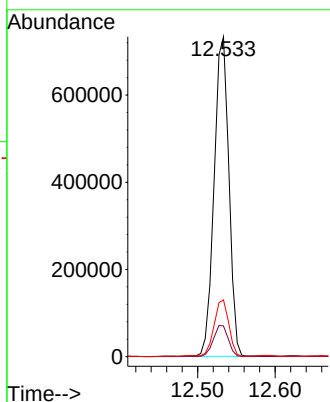
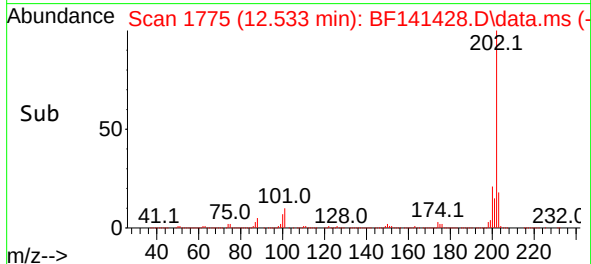
Instrument :
BNA_F
ClientSampleId :
72-11984MS



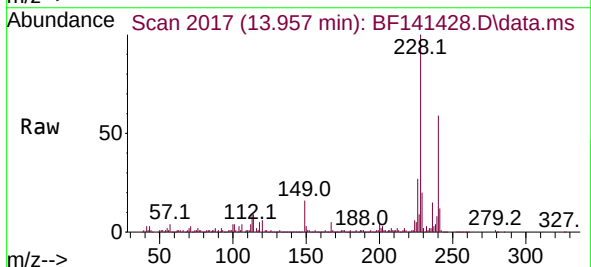
Tgt Ion:202 Resp: 969384
Ion Ratio Lower Upper
202 100
101 9.6 0.0 31.7
203 17.7 0.0 37.5

Manual Integrations
APPROVED

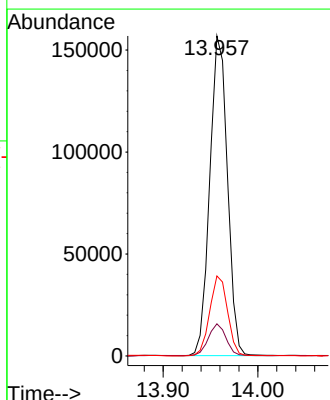
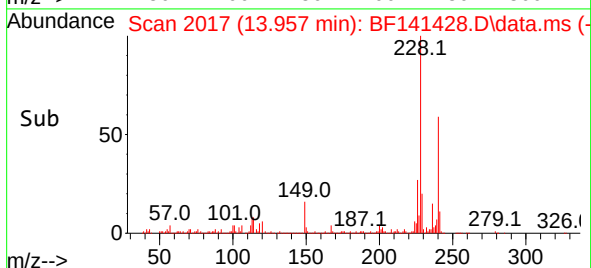
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

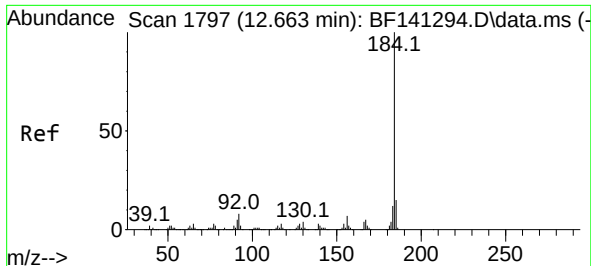


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56



Tgt Ion:240 Resp: 202719
Ion Ratio Lower Upper
240 100
120 10.0 10.0 15.0
236 25.0 19.7 29.5





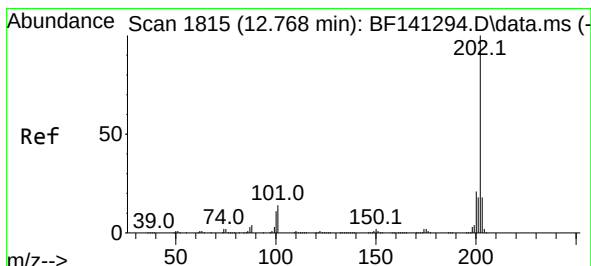
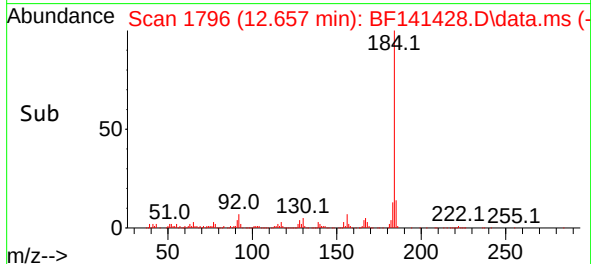
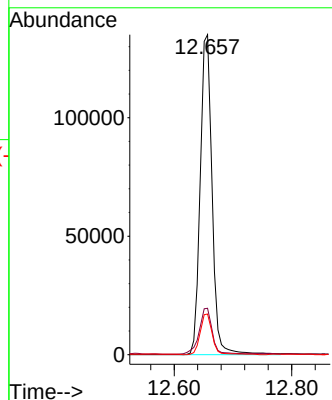
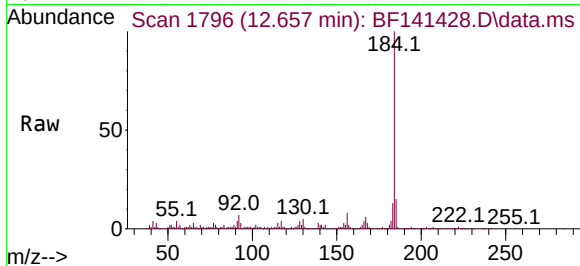
#77
Benzidine
Concen: 29.221 ng
RT: 12.657 min Scan# 1796
Delta R.T. -0.006 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

Instrument :
BNA_F
ClientSampleId :
72-11984MS

Tgt Ion:184 Resp: 189902
Ion Ratio Lower Upper
184 100
185 14.5 11.9 17.9
183 12.7 9.5 14.3

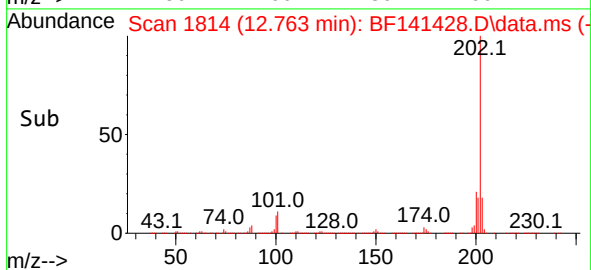
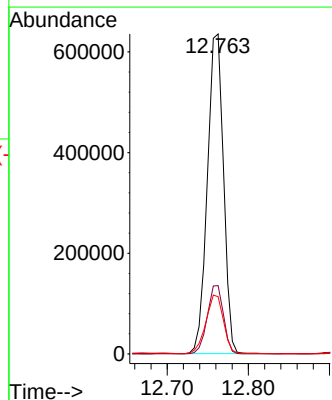
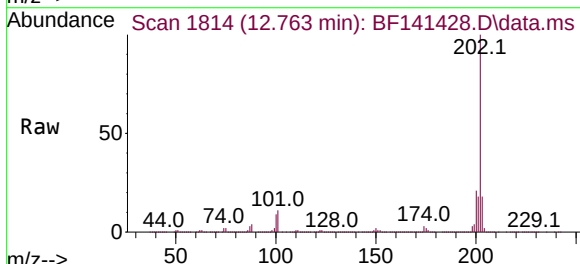
Manual Integrations
APPROVED

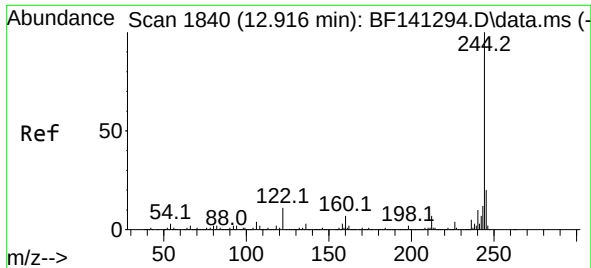
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#78
Pyrene
Concen: 44.937 ng
RT: 12.763 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

Tgt Ion:202 Resp: 874425
Ion Ratio Lower Upper
202 100
200 21.4 17.0 25.4
203 17.9 14.3 21.5





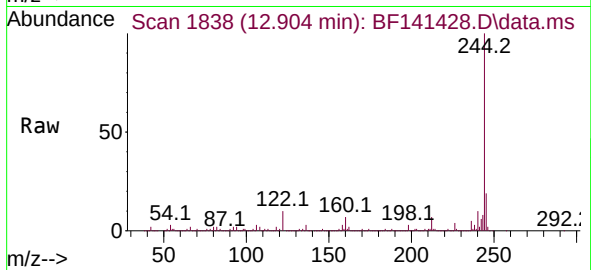
#79
 Terphenyl-d14
 Concen: 60.497 ng
 RT: 12.904 min Scan# 1838
 Delta R.T. -0.012 min
 Lab File: BF141428.D
 Acq: 04 Feb 2025 23:56

Instrument :

BNA_F

ClientSampleId :

72-11984MS

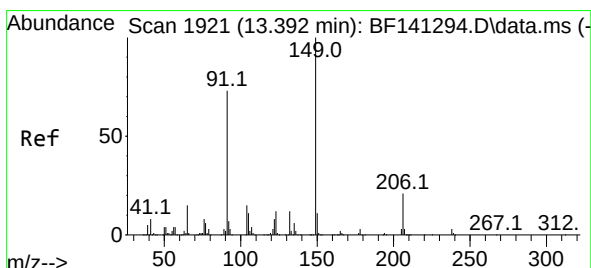
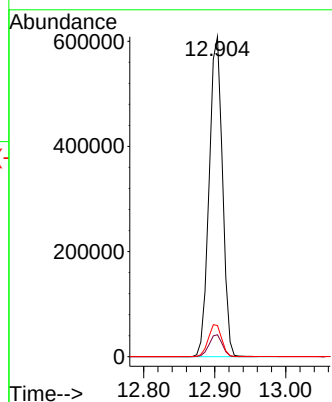
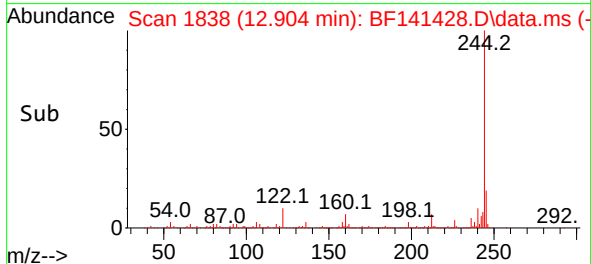


Tgt Ion:244 Resp: 79523
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 9.7 8.8 13.2

Manual Integrations

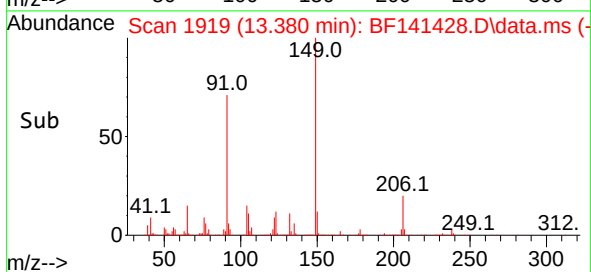
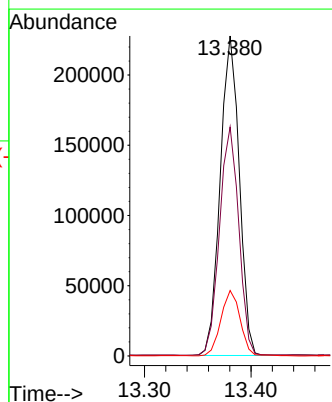
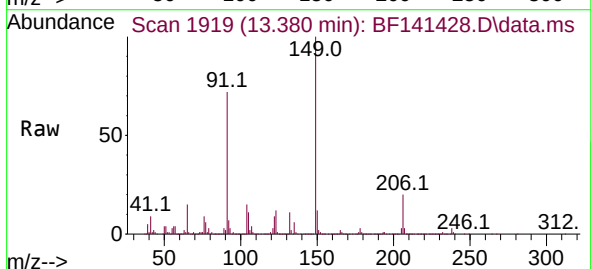
APPROVED

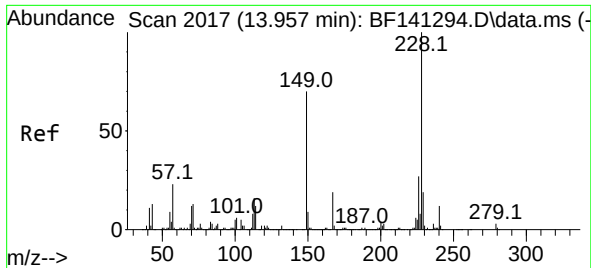
Reviewed By :Yogesh Patel 02/05/2025
 Supervised By :mohammad ahmed 02/05/2025



#80
 Butylbenzylphthalate
 Concen: 41.524 ng
 RT: 13.380 min Scan# 1919
 Delta R.T. -0.012 min
 Lab File: BF141428.D
 Acq: 04 Feb 2025 23:56

Tgt Ion:149 Resp: 282287
 Ion Ratio Lower Upper
 149 100
 91 71.6 58.6 87.8
 206 20.5 16.7 25.1





#81
Benzo(a)anthracene
Concen: 44.097 ng
RT: 13.945 min Scan# 2009
Delta R.T. -0.018 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

Instrument :

BNA_F

ClientSampleId :

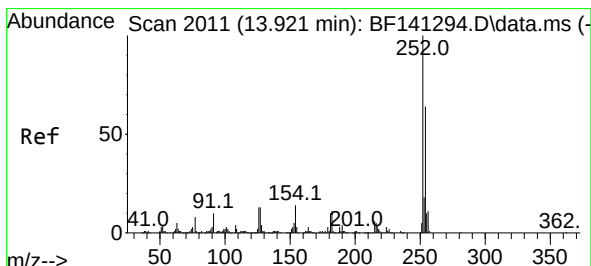
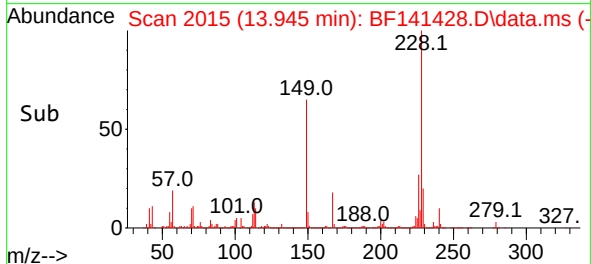
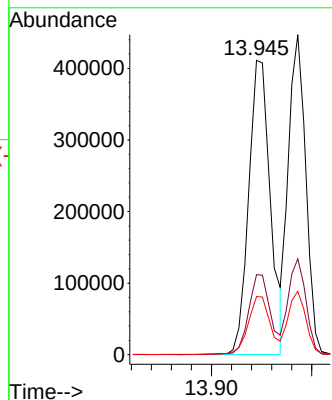
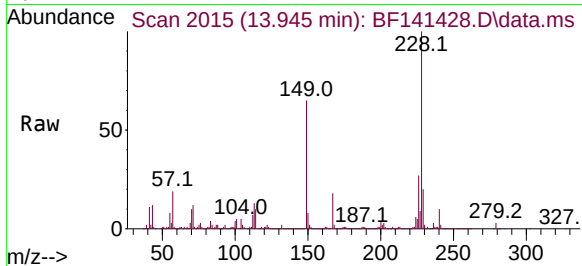
72-11984MS

Tgt Ion:228 Resp: 61686
Ion Ratio Lower Upper
228 100
226 27.2 21.4 32.2
229 19.7 15.5 23.3

Manual Integrations

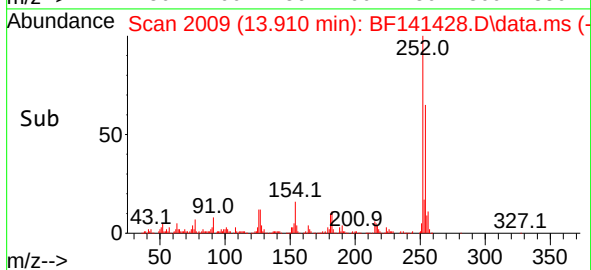
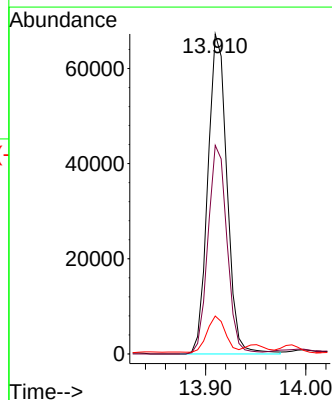
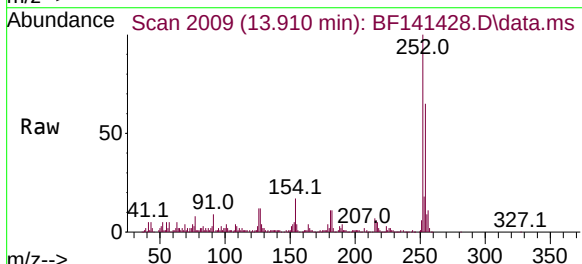
APPROVED

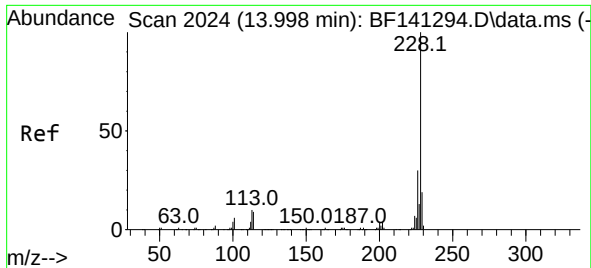
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#82
3,3'-Dichlorobenzidine
Concen: 20.041 ng
RT: 13.910 min Scan# 2009
Delta R.T. -0.018 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

Tgt Ion:252 Resp: 89163
Ion Ratio Lower Upper
252 100
254 65.2 51.3 76.9
126 11.9 10.0 15.0





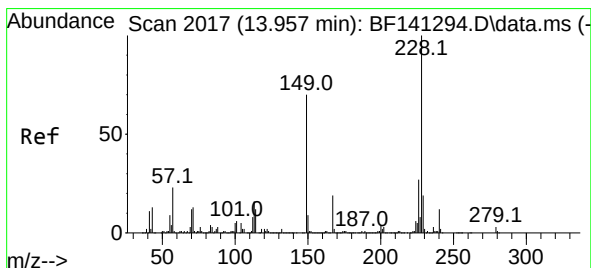
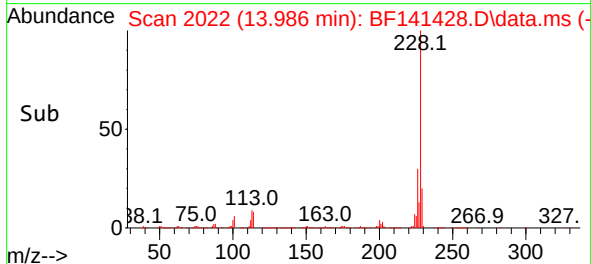
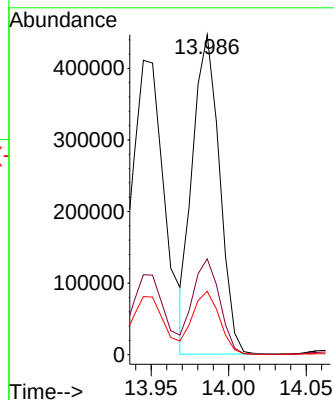
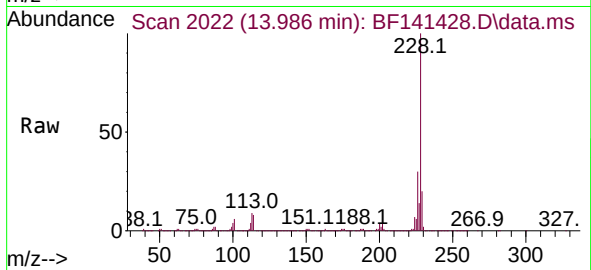
#83
Chrysene
Concen: 41.955 ng
RT: 13.986 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

Instrument :
BNA_F
ClientSampleId :
72-11984MS

Tgt Ion:228 Resp: 537872
Ion Ratio Lower Upper
228 100
226 29.9 24.1 36.1
229 19.8 15.6 23.4

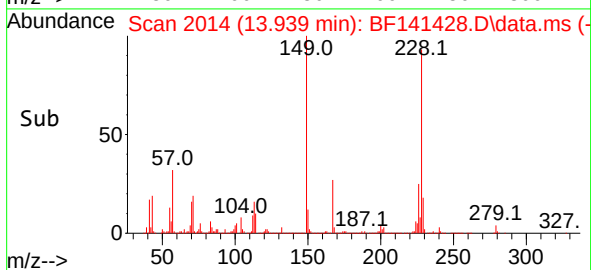
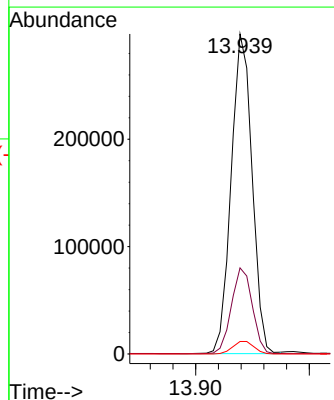
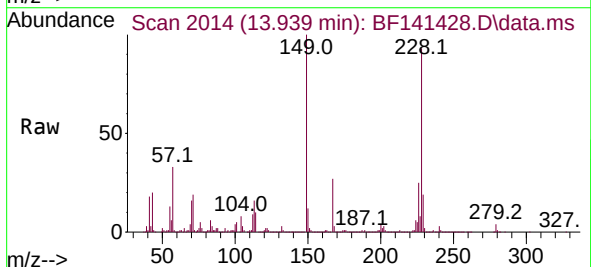
Manual Integrations
APPROVED

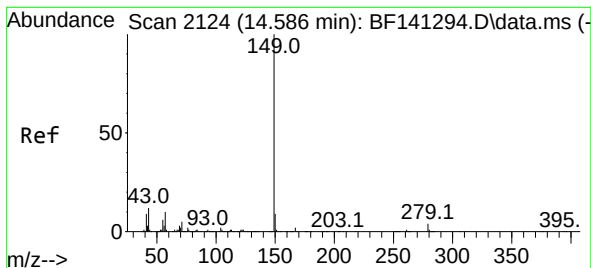
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 44.006 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.018 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

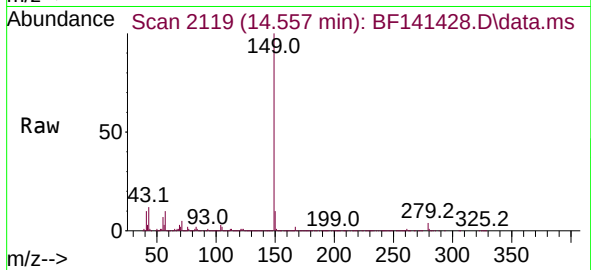
Tgt Ion:149 Resp: 379501
Ion Ratio Lower Upper
149 100
167 26.9 21.8 32.8
279 3.9 3.3 4.9





#85
Di-n-octyl phthalate
Concen: 47.244 ng
RT: 14.557 min Scan# 2119
Delta R.T. -0.030 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

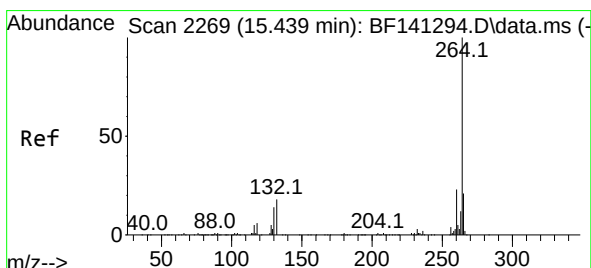
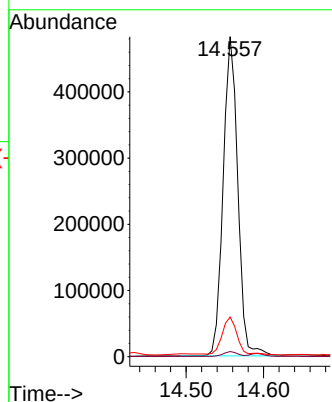
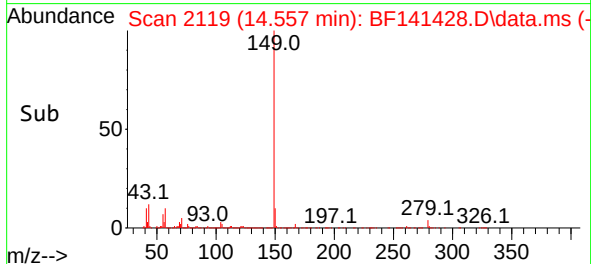
Instrument :
BNA_F
ClientSampleId :
72-11984MS



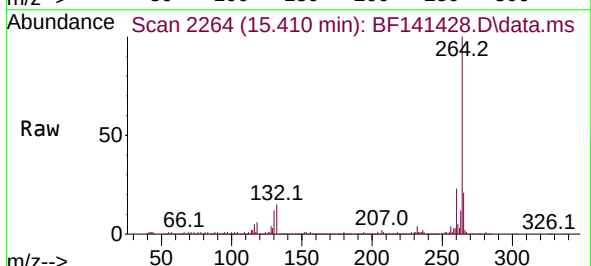
Tgt Ion:149 Resp: 63280
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 12.3 9.8 14.8

Manual Integrations
APPROVED

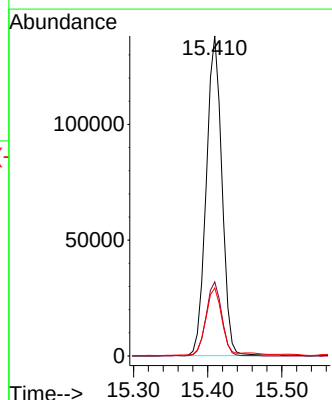
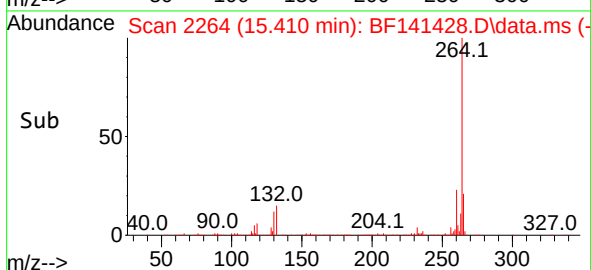
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

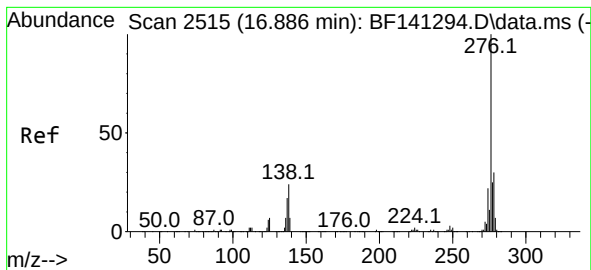


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2264
Delta R.T. -0.030 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56



Tgt Ion:264 Resp: 202071
Ion Ratio Lower Upper
264 100
260 23.1 18.6 27.8
265 21.3 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 35.157 ng

RT: 16.851 min Scan# 2193

Delta R.T. -0.047 min

Lab File: BF141428.D

Acq: 04 Feb 2025 23:56

Instrument :

BNA_F

ClientSampleId :

72-11984MS

Tgt Ion:276 Resp: 45852

Ion Ratio Lower Upper

276 100

138 22.4 21.7 32.5

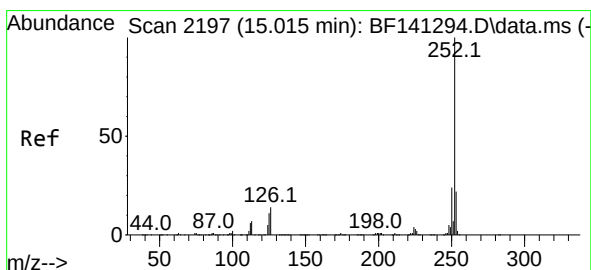
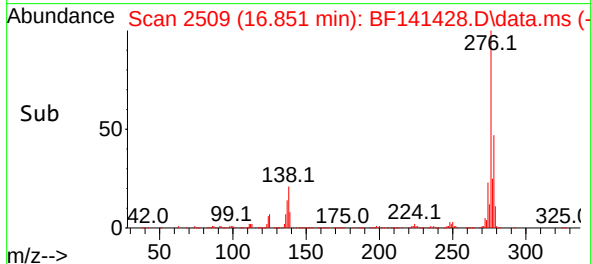
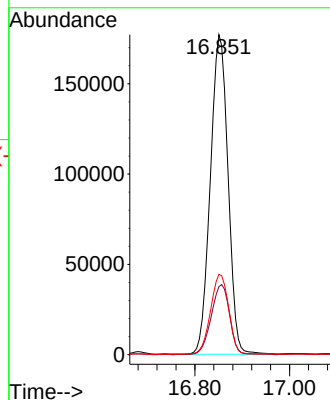
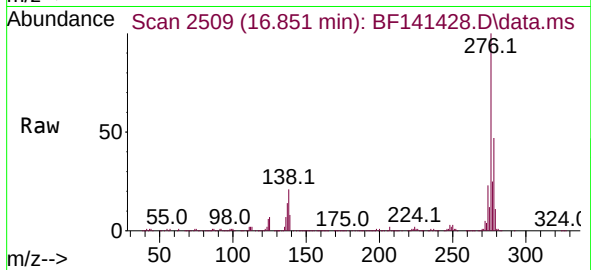
277 25.7 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#88

Benzo(b)fluoranthene

Concen: 43.857 ng

RT: 14.992 min Scan# 2193

Delta R.T. -0.030 min

Lab File: BF141428.D

Acq: 04 Feb 2025 23:56

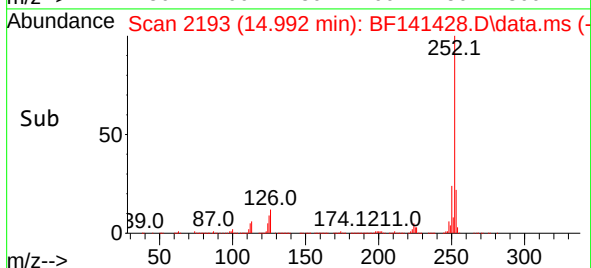
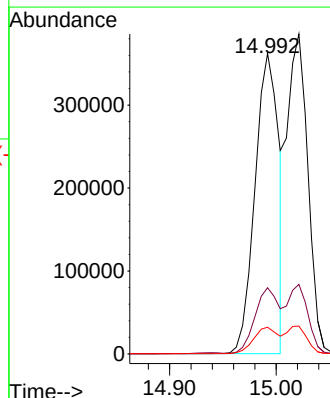
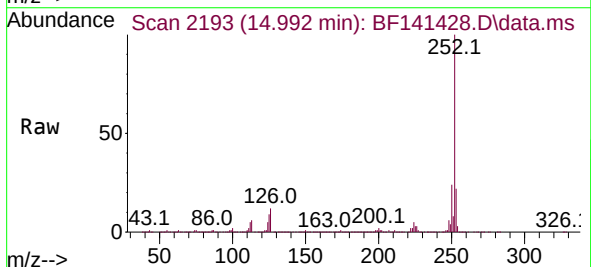
Tgt Ion:252 Resp: 557459

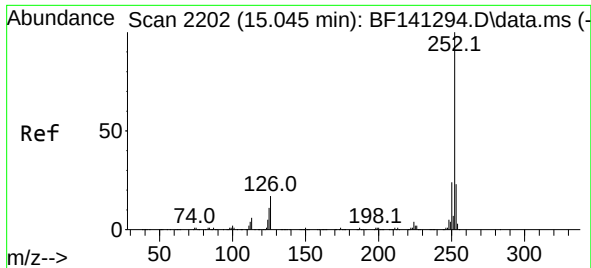
Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.2

125 8.9 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 45.968 ng

RT: 15.021 min Scan# 2198

Delta R.T. -0.030 min

Lab File: BF141428.D

Acq: 04 Feb 2025 23:56

Instrument :

BNA_F

ClientSampleId :

72-11984MS

Tgt Ion:252 Resp: 51761

Ion Ratio Lower Upper

252 100

253 21.7 17.6 26.4

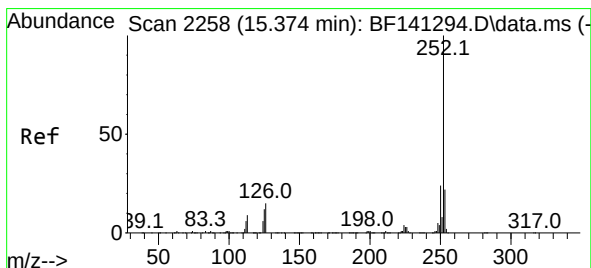
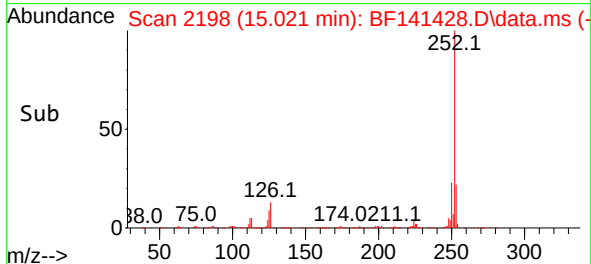
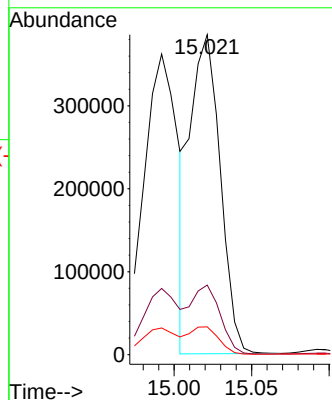
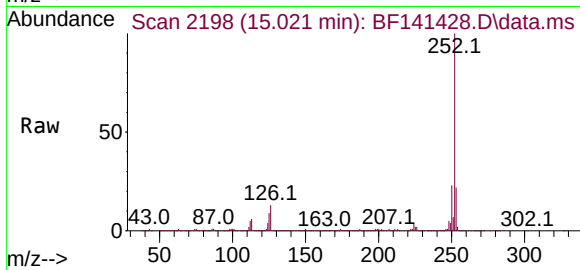
125 8.7 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#90

Benzo(a)pyrene

Concen: 46.217 ng

RT: 15.351 min Scan# 2254

Delta R.T. -0.030 min

Lab File: BF141428.D

Acq: 04 Feb 2025 23:56

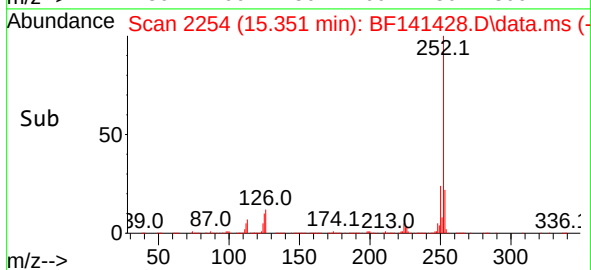
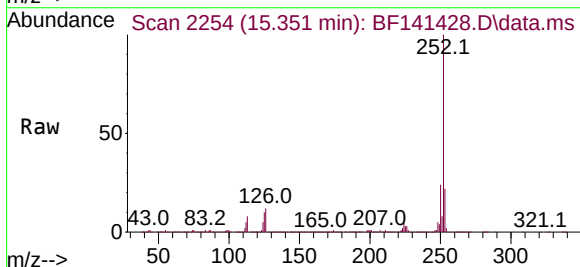
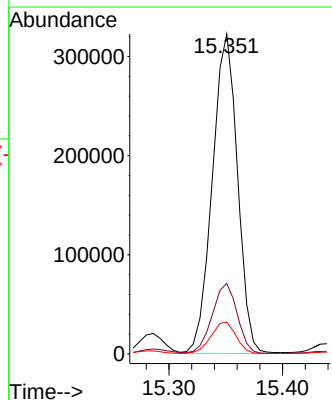
Tgt Ion:252 Resp: 496426

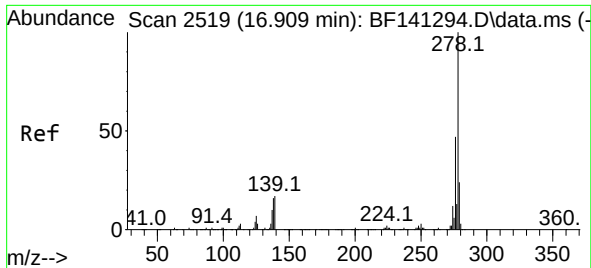
Ion Ratio Lower Upper

252 100

253 22.0 17.2 25.8

125 9.9 9.4 14.2





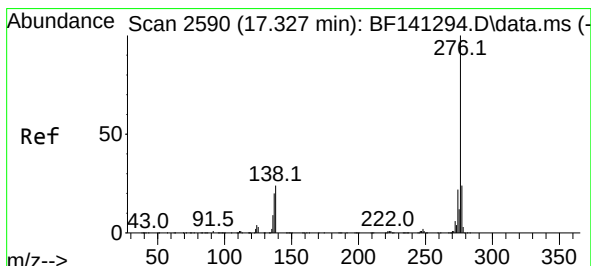
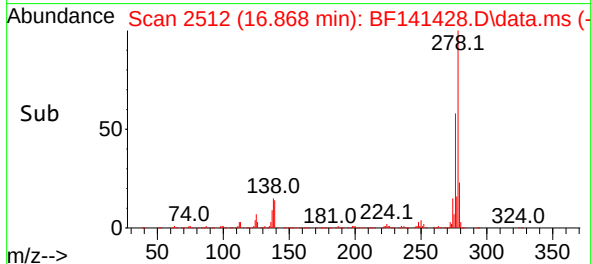
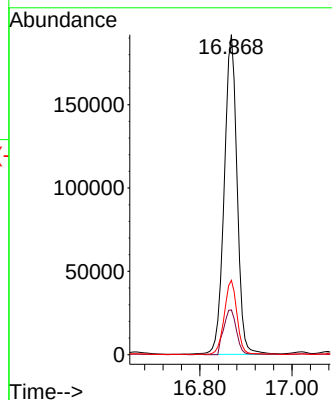
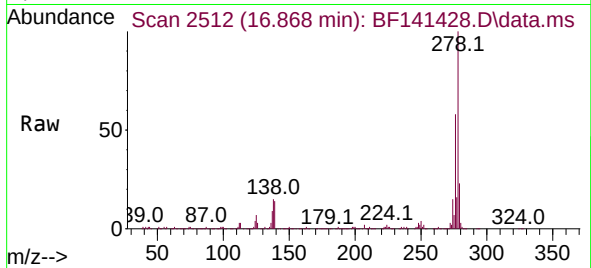
#91
Dibenzo(a,h)anthracene
Concen: 35.246 ng
RT: 16.868 min Scan# 21
Delta R.T. -0.053 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

Instrument :
BNA_F
ClientSampleId :
72-11984MS

Tgt Ion:278 Resp: 36983
Ion Ratio Lower Upper
278 100
139 14.0 13.9 20.9
279 23.3 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: 31.018 ng
RT: 17.286 min Scan# 2583
Delta R.T. -0.059 min
Lab File: BF141428.D
Acq: 04 Feb 2025 23:56

Tgt Ion:276 Resp: 338418
Ion Ratio Lower Upper
276 100
277 23.4 19.2 28.8
138 18.6 19.0 28.4#

