

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
 Data File : BF141459.D
 Acq On : 05 Feb 2025 20:38
 Operator : RC/JU
 Sample : Q1280-02MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

72-11984MSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025

Quant Time: Feb 06 01:47:25 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	6.793	152	77703	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	306520	20.000	ng	#-0.01
39) Acenaphthene-d10	9.828	164	164997	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	275032	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	156525	20.000	ng	-0.02
86) Perylene-d12	15.421	264	183585	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	593897	117.338	ng	0.01
7) Phenol-d6	6.434	99	710380	110.328	ng	0.00
23) Nitrobenzene-d5	7.357	82	524417	90.191	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	231799	153.241	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	992144	92.553	ng	-0.01
79) Terphenyl-d14	12.904	244	973255	95.891	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.628	88	73434	32.989	ng	# 82
3) Pyridine	3.334	79	161104	30.038	ng	93
4) n-Nitrosodimethylamine	3.252	42	122862	40.101	ng	82
6) Aniline	6.457	93	197407	36.219	ng	# 49
8) 2-Chlorophenol	6.581	128	216345	39.880	ng	96
9) Benzaldehyde	6.340	77	79088	21.206	ng	99
10) Phenol	6.446	94	242993	35.601	ng	# 70
11) bis(2-Chloroethyl)ether	6.528	93	203421	38.870	ng	98
12) 1,3-Dichlorobenzene	6.734	146	212523	35.530	ng	100
13) 1,4-Dichlorobenzene	6.810	146	219469	36.523	ng	98
14) 1,2-Dichlorobenzene	6.957	146	207445	36.867	ng	99
15) Benzyl Alcohol	6.934	79	197221	44.821	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.069	45	334771	36.787	ng	84
17) 2-Methylphenol	7.051	107	176218	39.967	ng	# 93
18) Hexachloroethane	7.304	117	80292	36.220	ng	94
19) n-Nitroso-di-n-propyla...	7.204	70	156525	40.912	ng	100
20) 3+4-Methylphenols	7.204	107	223446	41.275	ng	# 83
22) Acetophenone	7.198	105	340371	46.716	ng	# 99
24) Nitrobenzene	7.375	77	231004	38.337	ng	100
25) Isophorone	7.610	82	420228	41.810	ng	99
26) 2-Nitrophenol	7.693	139	114442	40.271	ng	95
27) 2,4-Dimethylphenol	7.734	122	189029m	52.260	ng	
28) bis(2-Chloroethoxy)met...	7.822	93	254346	39.672	ng	99
29) 2,4-Dichlorophenol	7.940	162	189689	42.837	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	191211	37.811	ng	99
31) Naphthalene	8.092	128	636417	39.303	ng	100
32) Benzoic acid	7.857	122	131852	39.653	ng	94
33) 4-Chloroaniline	8.145	127	165109	30.069	ng	99
34) Hexachlorobutadiene	8.210	225	119384	40.256	ng	98
35) Caprolactam	8.510	113	57900m	40.037	ng	
36) 4-Chloro-3-methylphenol	8.634	107	210831	44.387	ng	95
37) 2-Methylnaphthalene	8.787	142	412231	40.054	ng	100
38) 1-Methylnaphthalene	8.887	142	398370	39.405	ng	98
40) 1,2,4,5-Tetrachloroben...	8.951	216	220770	47.033	ng	98
41) Hexachlorocyclopentadiene	8.939	237	227636	164.208	ng	100
43) 2,4,6-Trichlorophenol	9.069	196	137957	44.902	ng	98

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Manual Integrations
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Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025

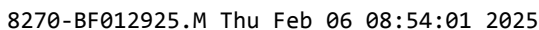
Quant Time: Feb 06 01:47:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	145573	43.533	ng	99
46) 1,1'-Biphenyl	9.251	154	606349	47.122	ng	99
47) 2-Chloronaphthalene	9.275	162	406577	40.537	ng	99
48) 2-Nitroaniline	9.375	65	145518	46.127	ng	98
49) Acenaphthylene	9.692	152	643369	45.825	ng	100
50) Dimethylphthalate	9.551	163	495755	44.487	ng	100
51) 2,6-Dinitrotoluene	9.616	165	113625	43.914	ng	98
52) Acenaphthene	9.863	154	480442m	47.900	ng	
53) 3-Nitroaniline	9.786	138	86964	34.292	ng	97
54) 2,4-Dinitrophenol	9.892	184	113651	94.489	ng	87
55) Dibenzofuran	10.034	168	590248	43.964	ng	96
56) 4-Nitrophenol	9.963	139	165073	89.004	ng	89
57) 2,4-Dinitrotoluene	10.022	165	152103	45.403	ng	93
58) Fluorene	10.381	166	468110	44.950	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.157	232	129361	49.173	ng	98
60) Diethylphthalate	10.257	149	487316	45.100	ng	100
61) 4-Chlorophenyl-phenyle...	10.369	204	228856	44.988	ng	97
62) 4-Nitroaniline	10.398	138	112819	45.250	ng	88
63) Azobenzene	10.534	77	471834	43.625	ng	97
65) 4,6-Dinitro-2-methylph...	10.428	198	76598	47.085	ng	94
66) n-Nitrosodiphenylamine	10.492	169	407690	45.831	ng	98
67) 4-Bromophenyl-phenylether	10.863	248	141091	45.823	ng	99
68) Hexachlorobenzene	10.928	284	146701	44.916	ng	98
69) Atrazine	11.022	200	155593	52.314	ng	99
70) Pentachlorophenol	11.128	266	183730	96.064	ng	99
71) Phenanthrene	11.339	178	700635	47.391	ng	100
72) Anthracene	11.392	178	704249	48.617	ng	99
73) Carbazole	11.551	167	598333	46.582	ng	99
74) Di-n-butylphthalate	11.880	149	717296	46.079	ng	99
75) Fluoranthene	12.527	202	655696	44.918	ng	98
77) Benzidine	12.657	184	89994	17.934	ng	99
78) Pyrene	12.757	202	642133	42.738	ng	100
80) Butylbenzylphthalate	13.380	149	231026	44.013	ng	100
81) Benzo(a)anthracene	13.951	228	474761	43.955	ng	99
82) 3,3'-Dichlorobenzidine	13.916	252	151317	44.048	ng	99
83) Chrysene	13.986	228	432622	43.704	ng	99
84) Bis(2-ethylhexyl)phtha...	13.939	149	284339	42.702	ng	98
85) Di-n-octyl phthalate	14.569	149	424303	41.027	ng	99
87) Indeno(1,2,3-cd)pyrene	16.868	276	511730	43.187	ng	95
88) Benzo(b)fluoranthene	14.998	252	508923	44.070	ng	98
89) Benzo(k)fluoranthene	15.027	252	431826	42.211	ng	99
90) Benzo(a)pyrene	15.363	252	469852	48.148	ng	98
91) Dibenzo(a,h)anthracene	16.886	278	420713	44.132	ng	96
92) Benzo(g,h,i)perylene	17.298	276	366746	36.999	ng	95

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

Manual Integrations

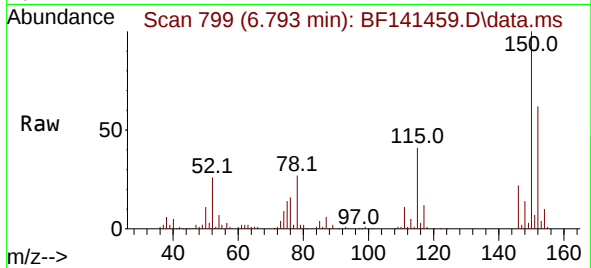
Quant Time: Feb 06 01:47:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
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QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 74
Delta R.T. -0.011 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

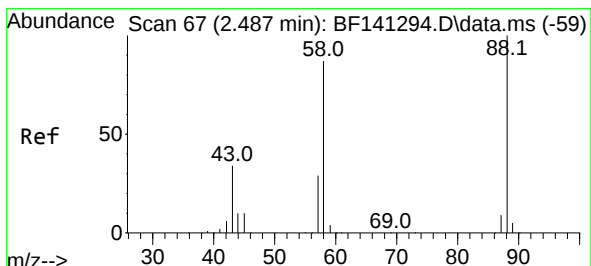
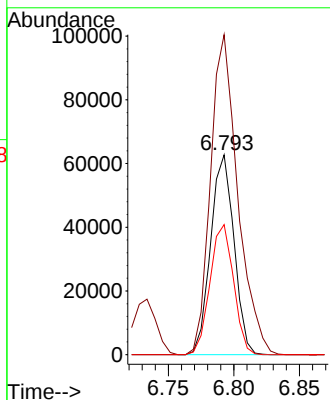
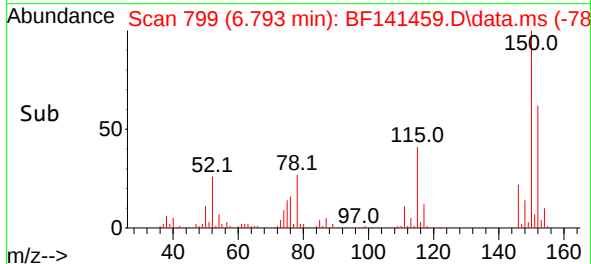
Instrument :
BNA_F
ClientSampleId :
72-11984MSD



Tgt Ion:152 Resp: 7770
Ion Ratio Lower Upper
152 100
150 160.1 125.9 188.9
115 65.1 49.7 74.5

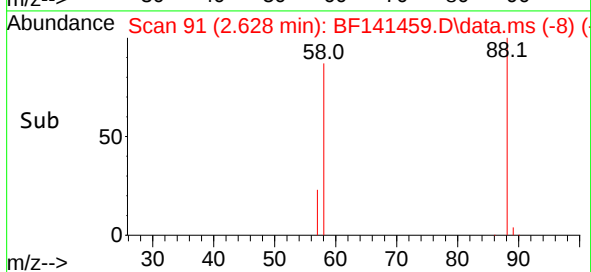
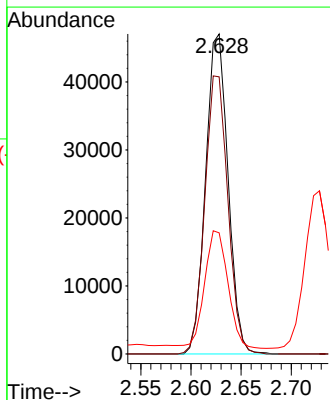
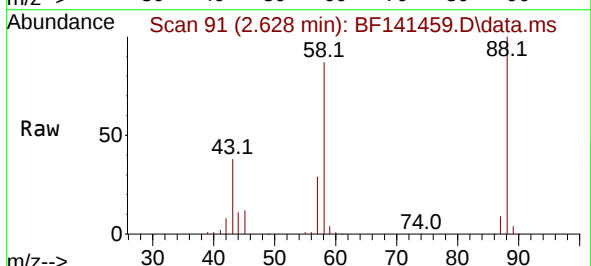
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#2
1,4-Dioxane
Concen: 32.989 ng
RT: 2.628 min Scan# 91
Delta R.T. 0.135 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Tgt Ion: 88 Resp: 73434
Ion Ratio Lower Upper
88 100
58 89.4 70.2 105.4
43 0.0 27.6 41.4





#3

Pyridine

Concen: 30.038 ng

RT: 3.334 min Scan# 211

Delta R.T. 0.106 min

Lab File: BF141459.D

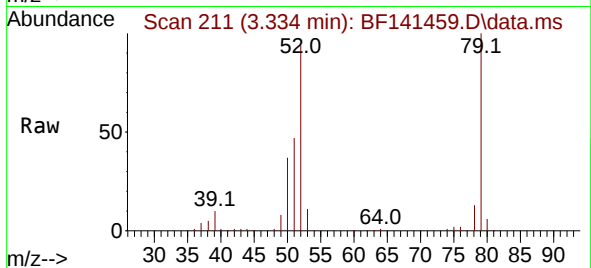
Acq: 05 Feb 2025 20:38

Instrument :

BNA_F

ClientSampleId :

72-11984MSD



Tgt Ion: 79 Resp: 161104

Ion Ratio Lower Upper

79 100

52 94.3 70.3 105.5

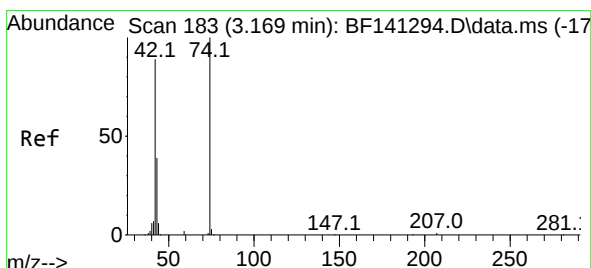
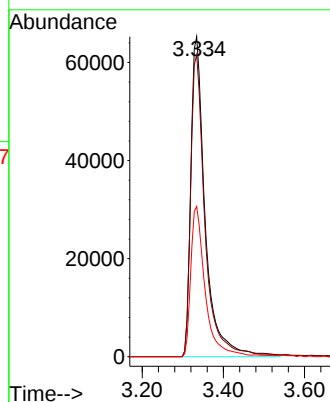
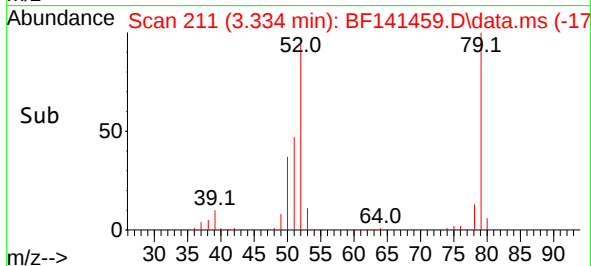
51 46.9 34.3 51.5

Manual Integrations

APPROVED

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Supervised By :mohammad ahmed 02/06/2025



#4

n-Nitrosodimethylamine

Concen: 40.101 ng

RT: 3.252 min Scan# 197

Delta R.T. 0.053 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

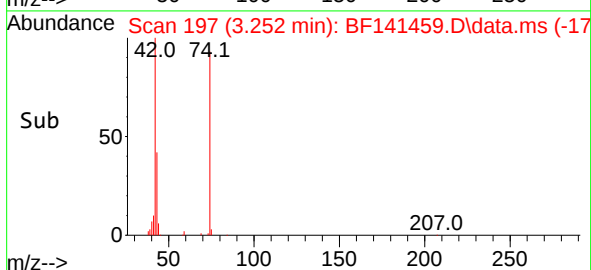
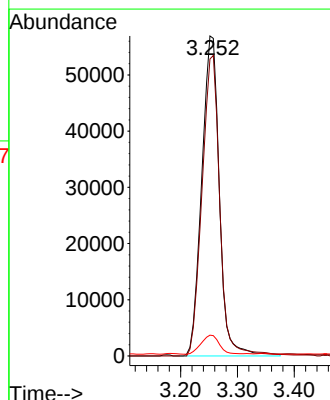
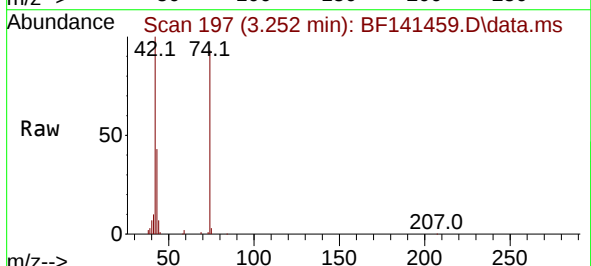
Tgt Ion: 42 Resp: 122862

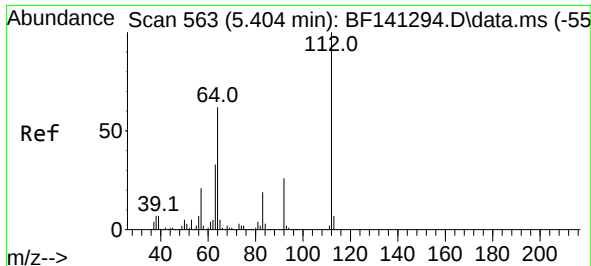
Ion Ratio Lower Upper

42 100

74 92.8 90.3 135.5

44 6.5 5.7 8.5





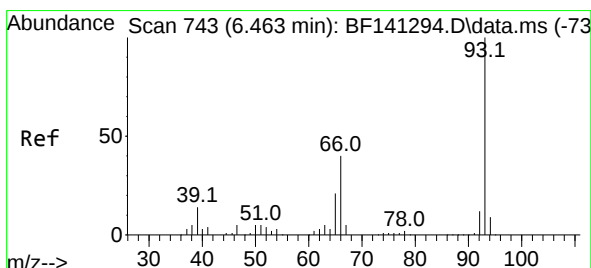
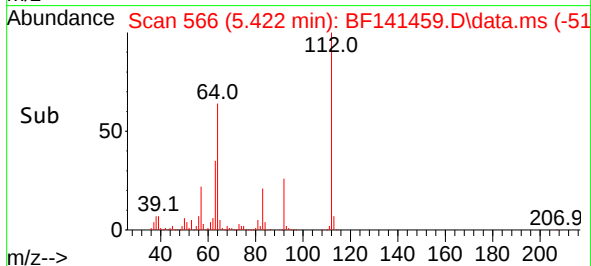
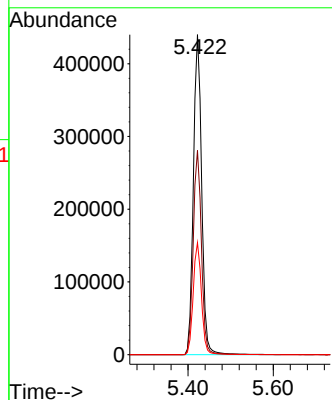
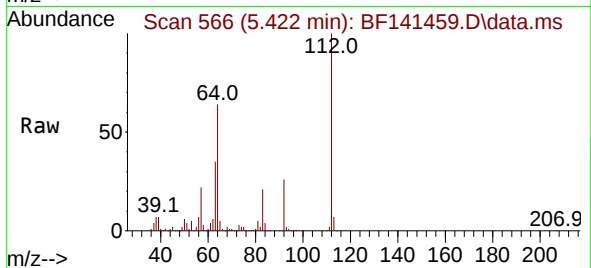
#5
2-Fluorophenol
Concen: 117.338 ng
RT: 5.422 min Scan# 50
Delta R.T. 0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Instrument :
BNA_F
ClientSampleId :
72-11984MSD

Tgt Ion:112 Resp: 59389
Ion Ratio Lower Upper
112 100
64 63.8 49.8 74.8
63 35.0 26.1 39.1

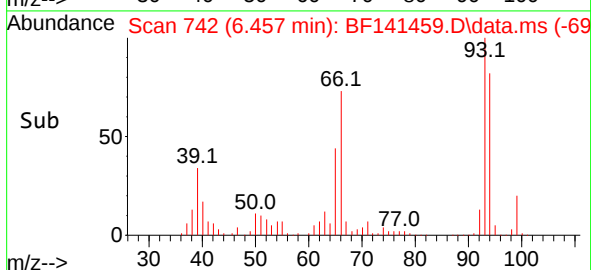
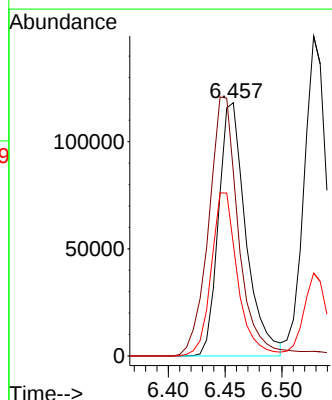
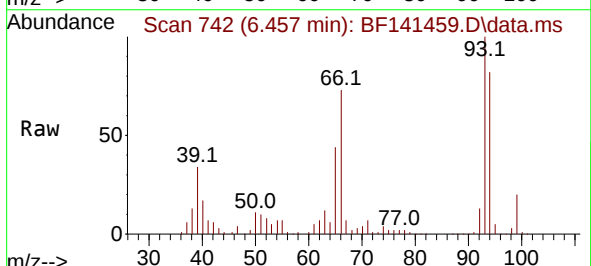
Manual Integrations
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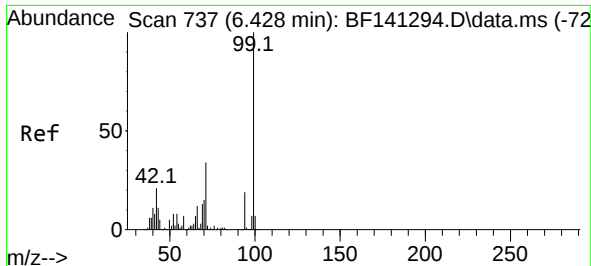
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#6
Aniline
Concen: 36.219 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

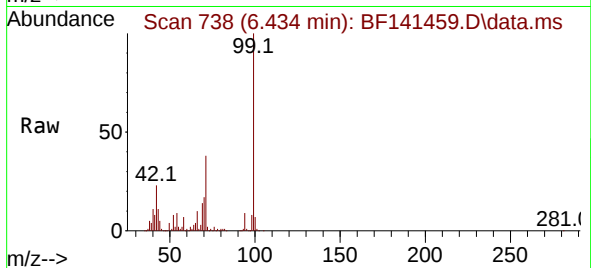
Tgt Ion: 93 Resp: 197407
Ion Ratio Lower Upper
93 100
66 72.7 32.5 48.7#
65 44.1 17.0 25.6#





#7
Phenol-d6
Concen: 110.328 ng
RT: 6.434 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

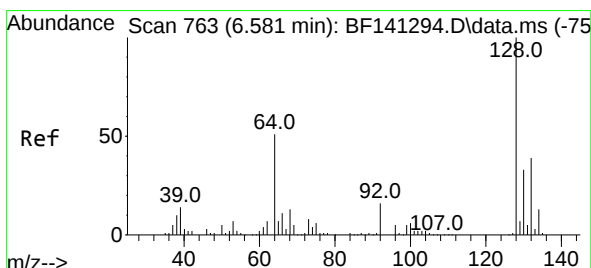
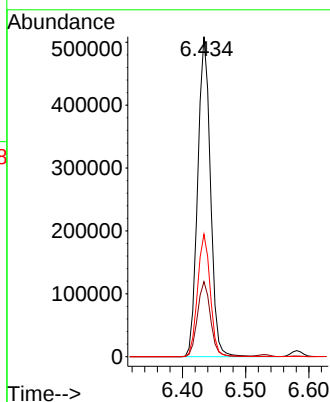
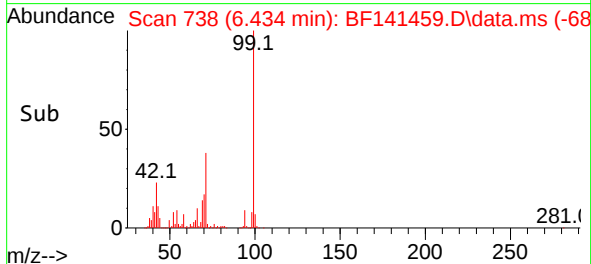
Instrument :
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Tgt Ion: 99 Resp: 710380
Ion Ratio Lower Upper
99 100
42 23.4 17.1 25.7
71 38.3 26.9 40.3

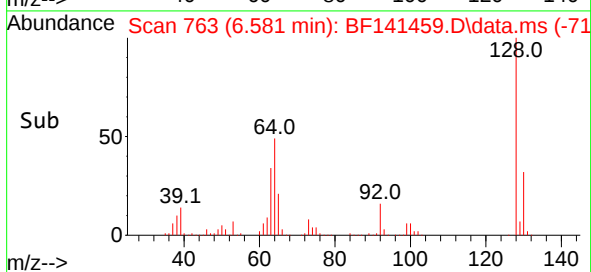
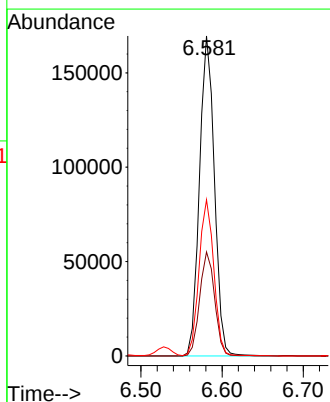
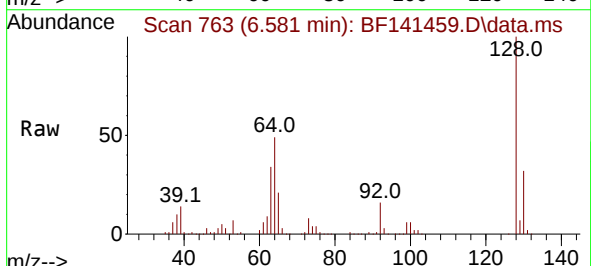
Manual Integrations
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Supervised By :mohammad ahmed 02/06/2025



#8
2-Chlorophenol
Concen: 39.880 ng
RT: 6.581 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Tgt Ion:128 Resp: 216345
Ion Ratio Lower Upper
128 100
130 32.5 12.5 52.5
64 48.8 32.9 72.9





#9
Benzaldehyde
Concen: 21.206 ng
RT: 6.340 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Instrument :

BNA_F

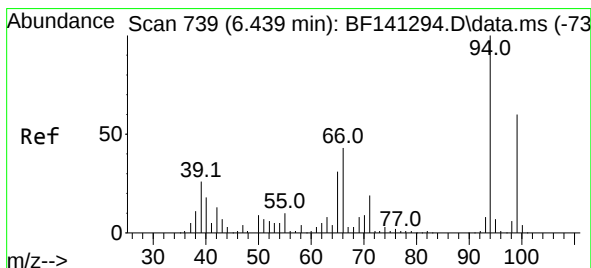
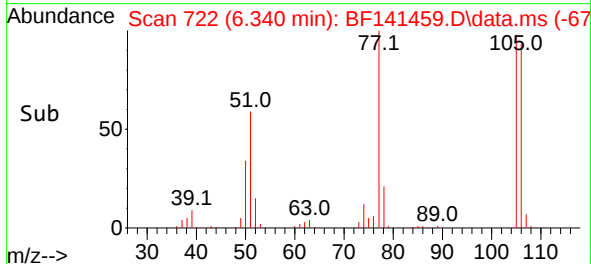
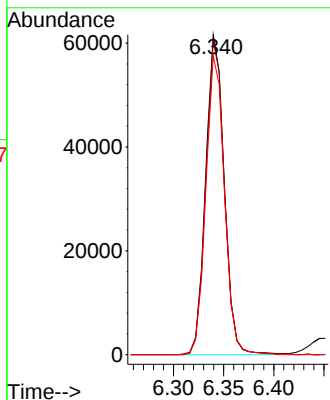
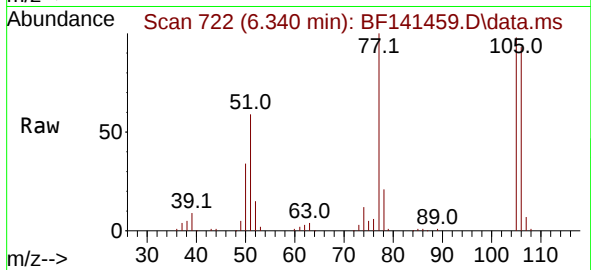
ClientSampleId :

72-11984MSD

Tgt Ion: 77 Resp: 7908
Ion Ratio Lower Upper
77 100
105 98.1 79.4 119.4
106 93.3 74.6 114.6

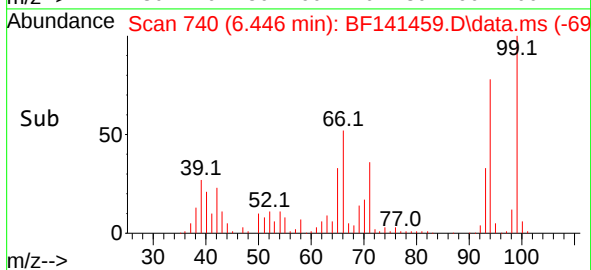
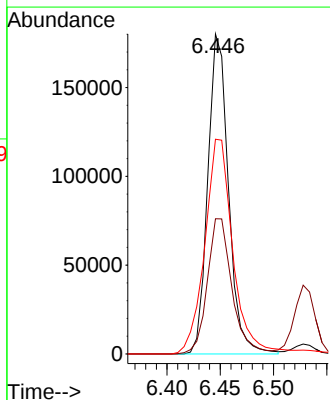
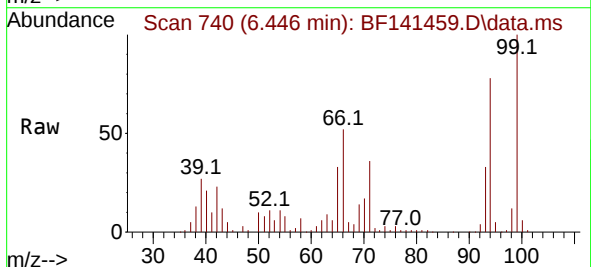
Manual Integrations
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#10
Phenol
Concen: 35.601 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Tgt Ion: 94 Resp: 242993
Ion Ratio Lower Upper
94 100
65 42.3 10.8 50.8
66 67.1 23.3 63.3#





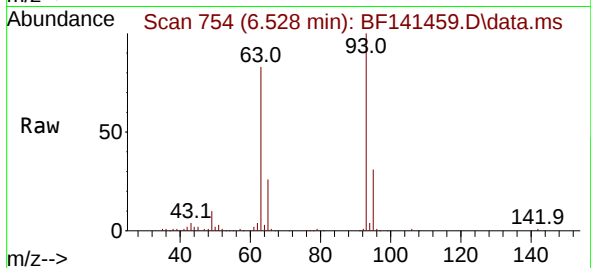
#11
bis(2-Chloroethyl)ether
Concen: 38.870 ng
RT: 6.528 min Scan# 754
Delta R.T. -0.018 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Instrument :

BNA_F

ClientSampleId :

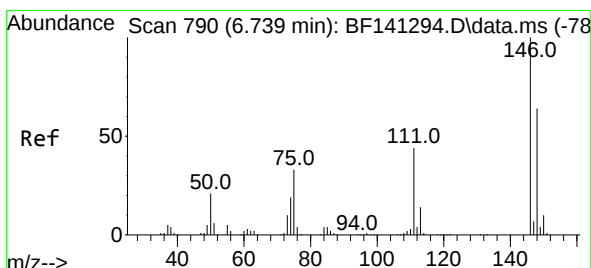
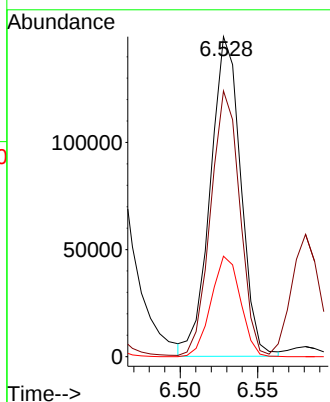
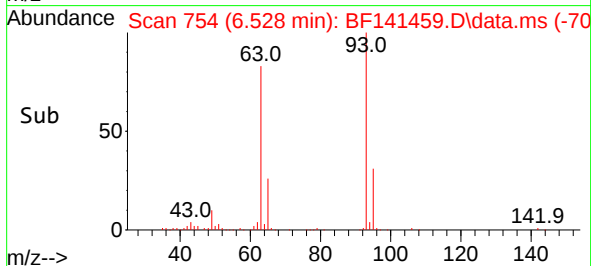
72-11984MSD



Tgt Ion: 93 Resp: 20342
Ion Ratio Lower Upper
93 100
63 83.1 65.0 105.0
95 31.4 12.4 52.4

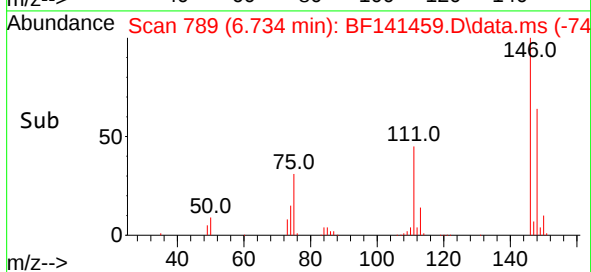
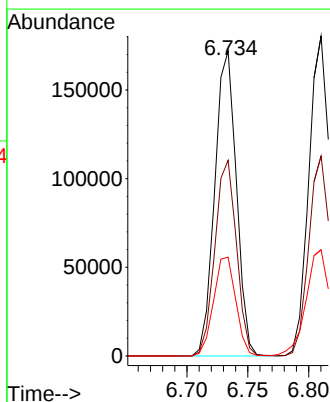
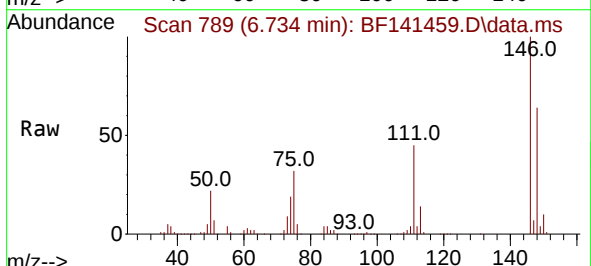
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#12
1,3-Dichlorobenzene
Concen: 35.530 ng
RT: 6.734 min Scan# 789
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

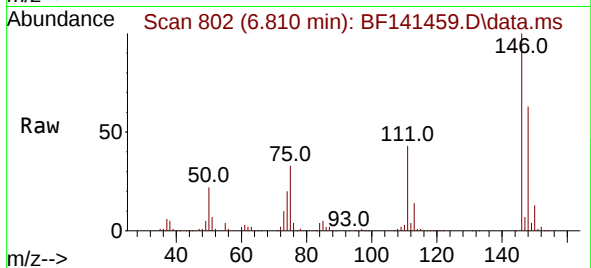
Tgt Ion:146 Resp: 212523
Ion Ratio Lower Upper
146 100
148 64.2 51.2 76.8
75 32.4 26.2 39.4





#13
1,4-Dichlorobenzene
Concen: 36.523 ng
RT: 6.810 min Scan# 803
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

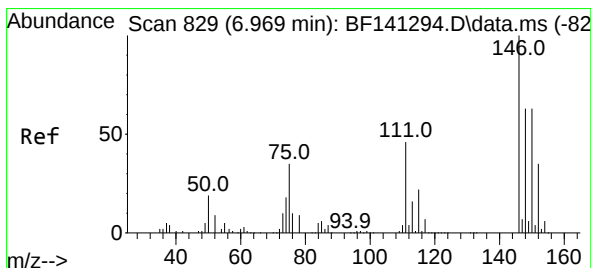
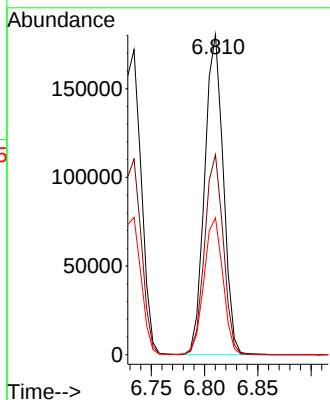
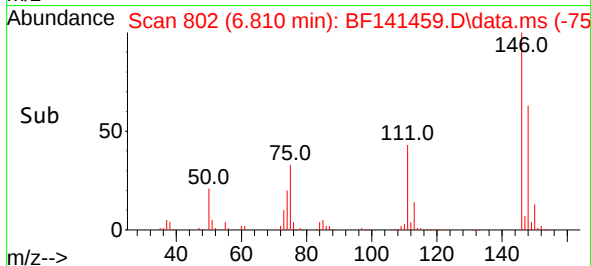
Instrument :
BNA_F
ClientSampleId :
72-11984MSD



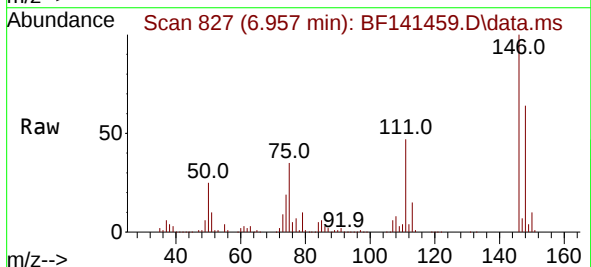
Tgt Ion:146 Resp: 219469
Ion Ratio Lower Upper
146 100
148 62.5 51.2 76.8
111 42.8 35.0 52.4

Manual Integrations
APPROVED

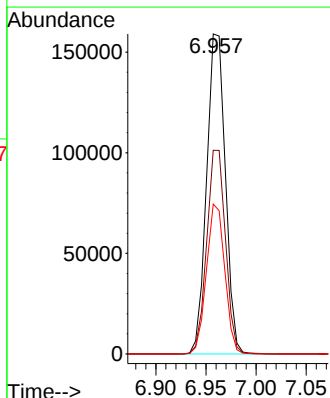
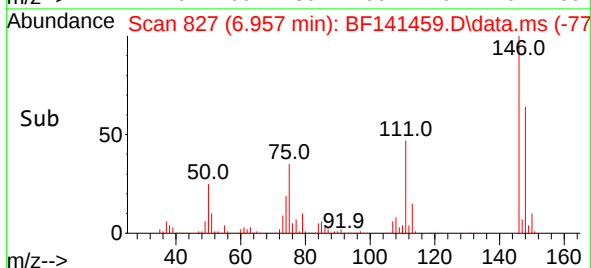
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

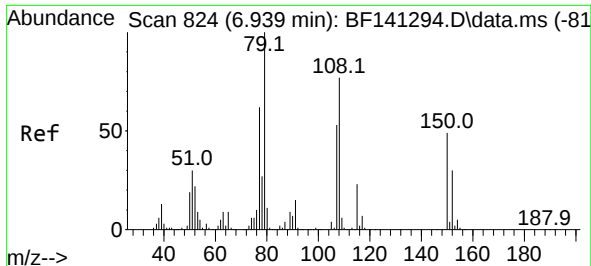


#14
1,2-Dichlorobenzene
Concen: 36.867 ng
RT: 6.957 min Scan# 827
Delta R.T. -0.018 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38



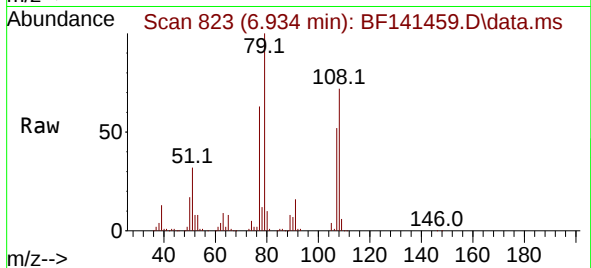
Tgt Ion:146 Resp: 207445
Ion Ratio Lower Upper
146 100
148 63.7 50.5 75.7
111 46.8 36.6 55.0





#15
Benzyl Alcohol
Concen: 44.821 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

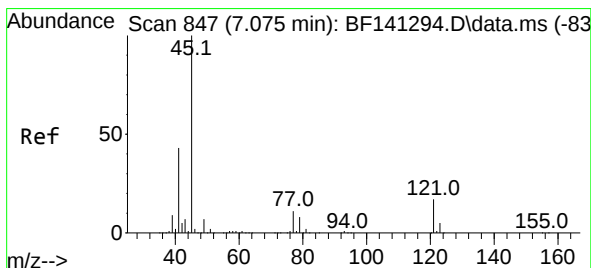
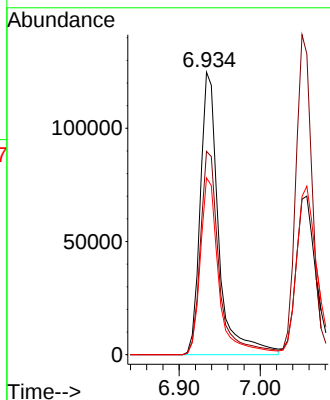
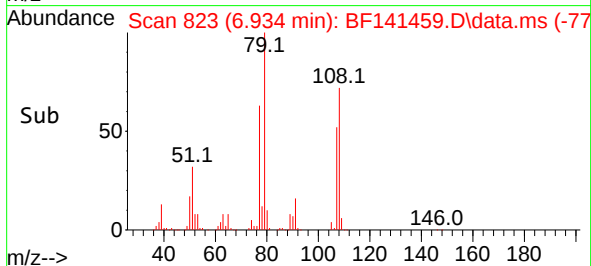
Instrument :
BNA_F
ClientSampleId :
72-11984MSD



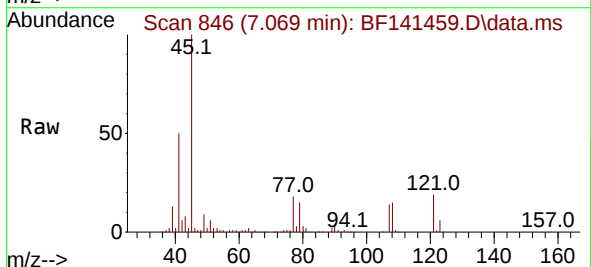
Tgt Ion: 79 Resp: 19722
Ion Ratio Lower Upper
79 100
108 72.0 61.4 92.0
77 62.6 49.9 74.9

Manual Integrations
APPROVED

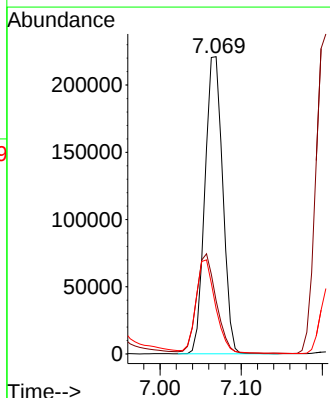
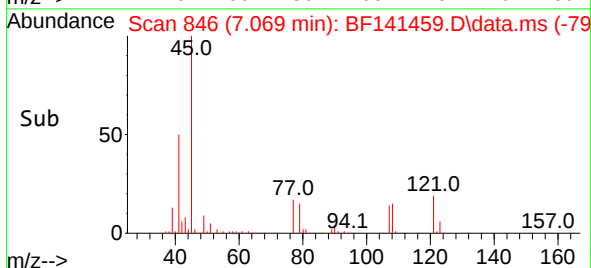
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

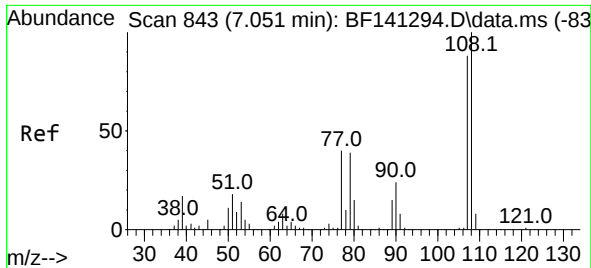


#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.787 ng
RT: 7.069 min Scan# 846
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38



Tgt Ion: 45 Resp: 334771
Ion Ratio Lower Upper
45 100
77 17.9 0.0 31.8
79 15.2 0.0 29.1





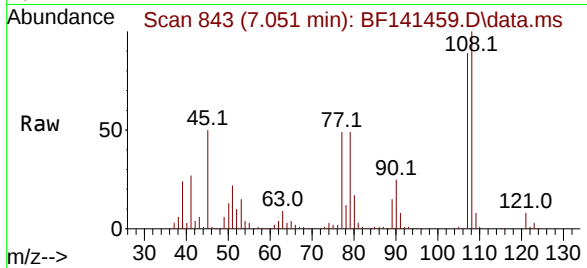
#17
2-Methylphenol
Concen: 39.967 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Instrument :

BNA_F

ClientSampleId :

72-11984MSD

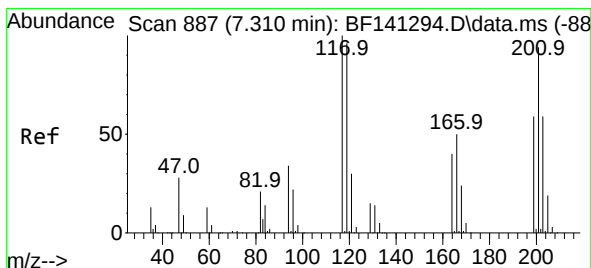
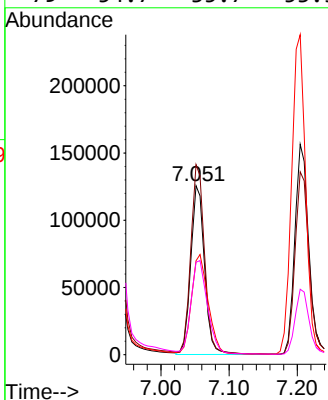
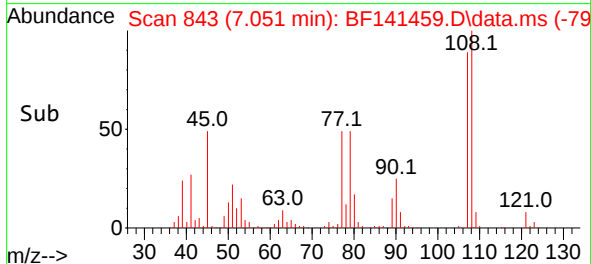


Tgt Ion:107 Resp: 176218
Ion Ratio Lower Upper
107 100
108 112.5 90.8 136.2
77 55.6 36.2 54.4
79 54.7 35.7 53.5#

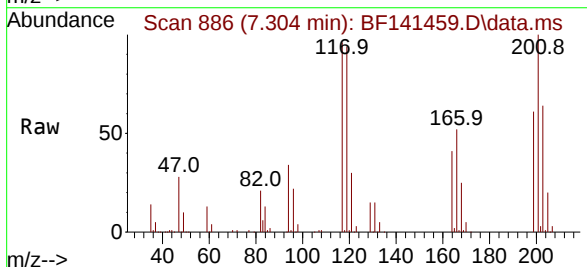
Manual Integrations

APPROVED

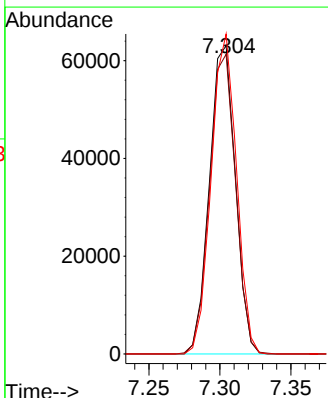
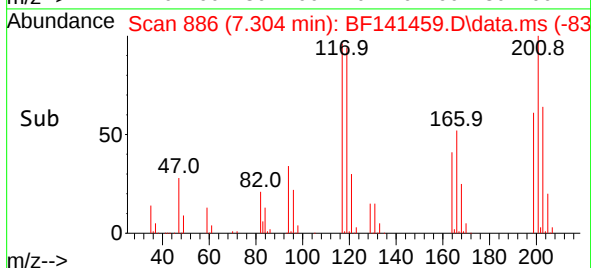
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#18
Hexachloroethane
Concen: 36.220 ng
RT: 7.304 min Scan# 886
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38



Tgt Ion:117 Resp: 80292
Ion Ratio Lower Upper
117 100
119 97.2 76.6 114.8
201 103.8 74.8 112.2





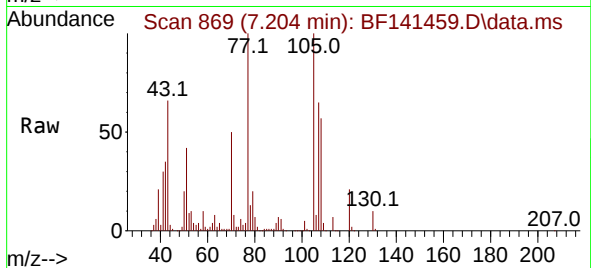
#19
n-Nitroso-di-n-propylamine
Concen: 40.912 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.024 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Instrument :

BNA_F

ClientSampleId :

72-11984MSD

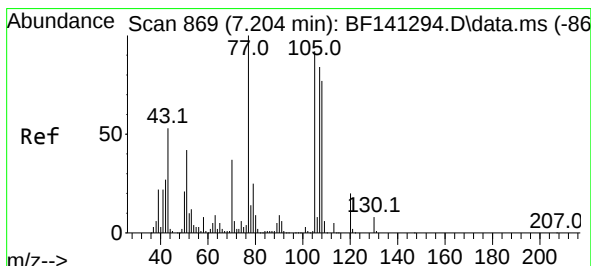
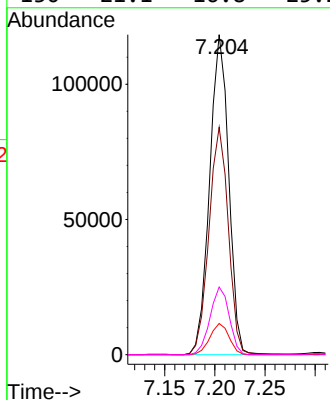
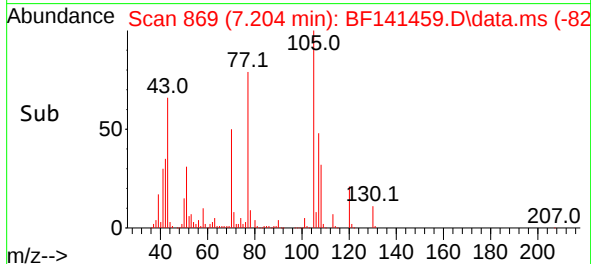


Tgt Ion: 70 Resp: 156529
Ion Ratio Lower Upper
70 100
42 71.0 56.8 85.2
101 9.8 7.7 11.5
130 21.1 16.8 25.2

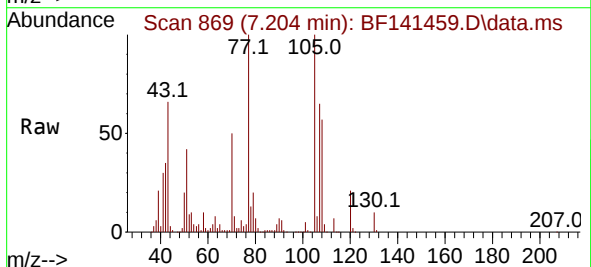
Manual Integrations

APPROVED

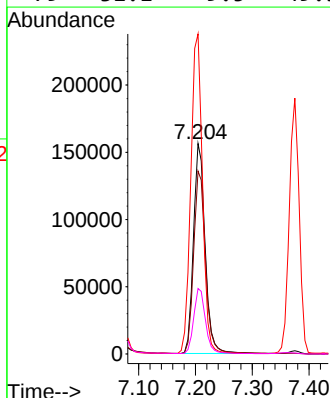
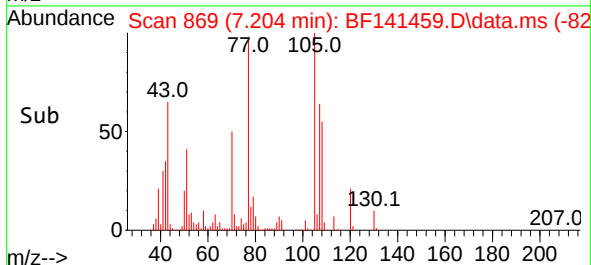
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

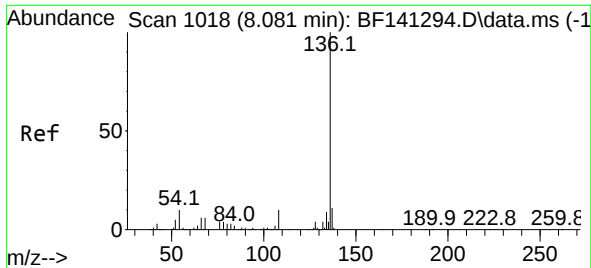


#20
3+4-Methylphenols
Concen: 41.275 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38



Tgt Ion:107 Resp: 223446
Ion Ratio Lower Upper
107 100
108 86.9 70.9 110.9
77 152.1 98.5 138.5#
79 31.1 9.5 49.5





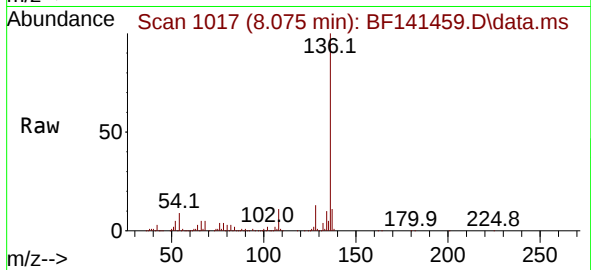
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Instrument :

BNA_F

ClientSampleId :

72-11984MSD

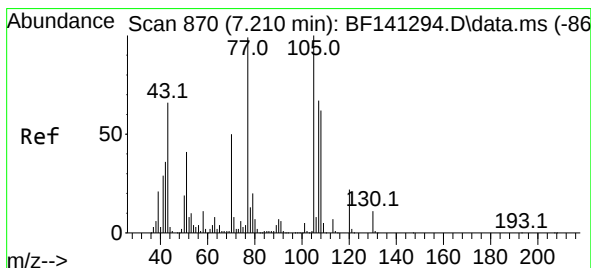
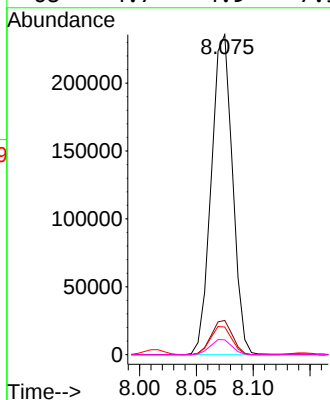
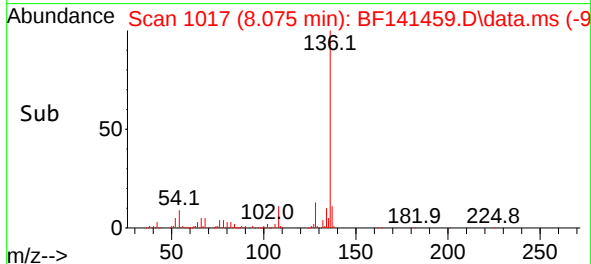


Tgt Ion:136 Resp: 306520
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.6 7.8 11.8
68 4.7 4.9 7.3#

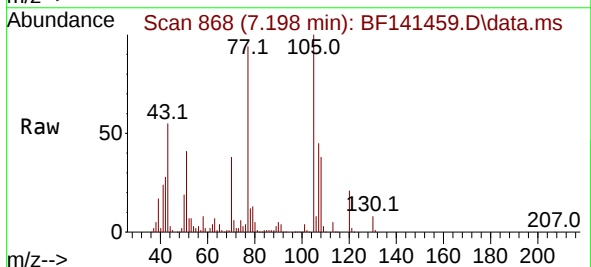
Manual Integrations

APPROVED

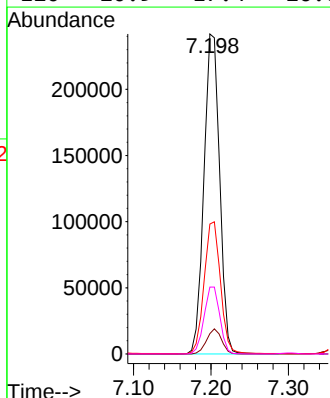
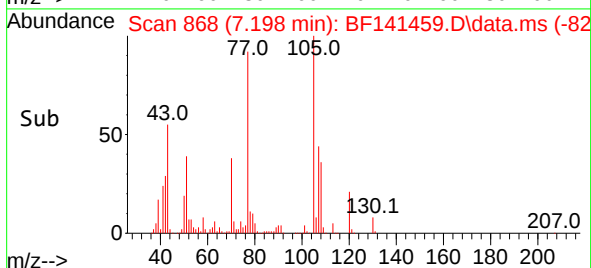
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

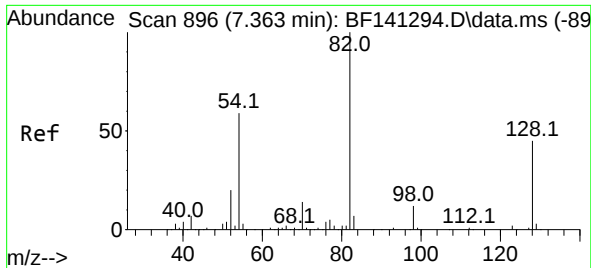


#22
Acetophenone
Concen: 46.716 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.018 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38



Tgt Ion:105 Resp: 340371
Ion Ratio Lower Upper
105 100
71 6.4 6.8 10.2#
51 40.6 32.6 49.0
120 20.9 17.4 26.0





#23

Nitrobenzene-d5

Concen: 90.191 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

Instrument :

BNA_F

ClientSampleId :

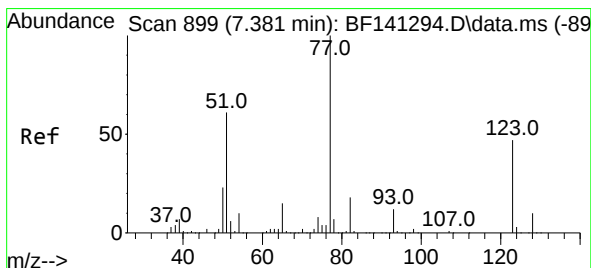
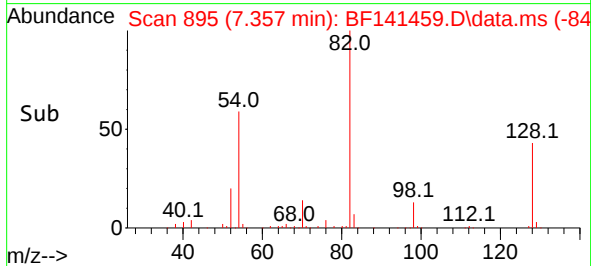
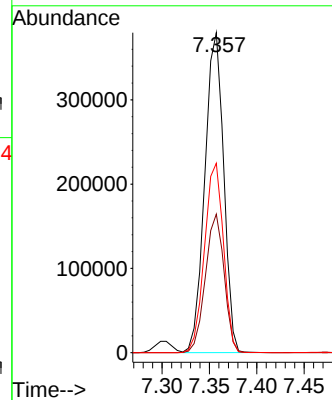
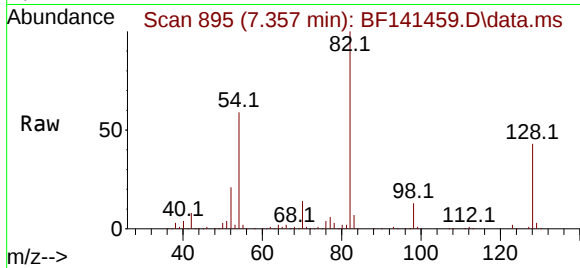
72-11984MSD

Tgt Ion: 82 Resp: 524417
 Ion Ratio Lower Upper
 82 100
 128 43.3 35.7 53.5
 54 59.2 47.1 70.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025



#24

Nitrobenzene

Concen: 38.337 ng

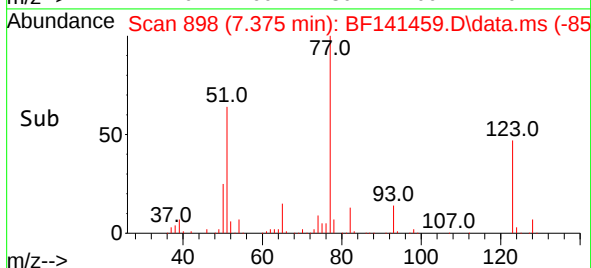
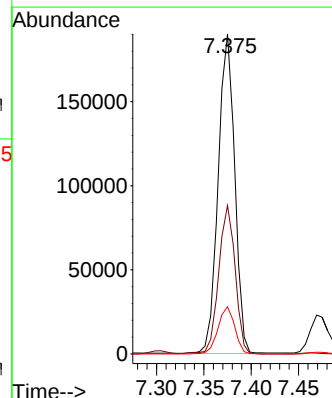
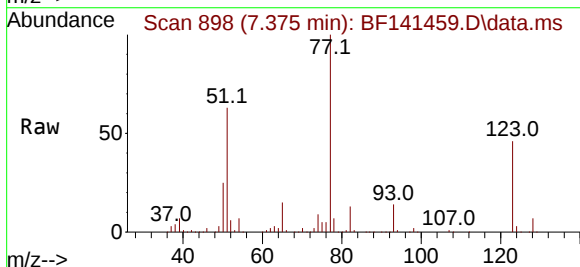
RT: 7.375 min Scan# 898

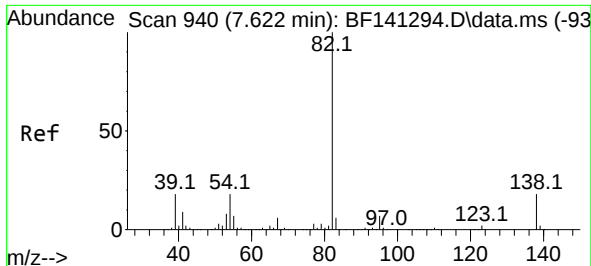
Delta R.T. -0.018 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

Tgt Ion: 77 Resp: 231004
 Ion Ratio Lower Upper
 77 100
 123 46.4 37.3 55.9
 65 14.8 11.8 17.6





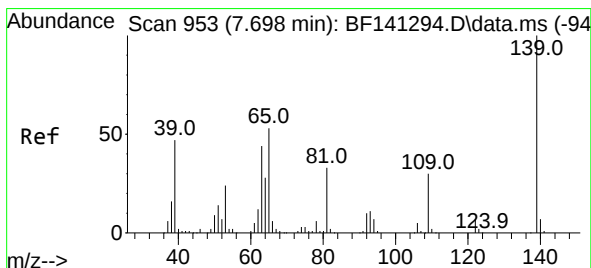
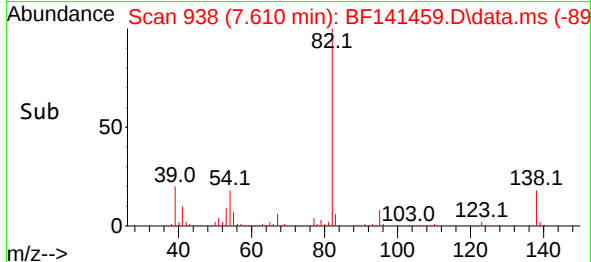
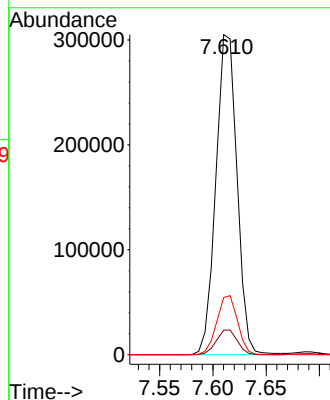
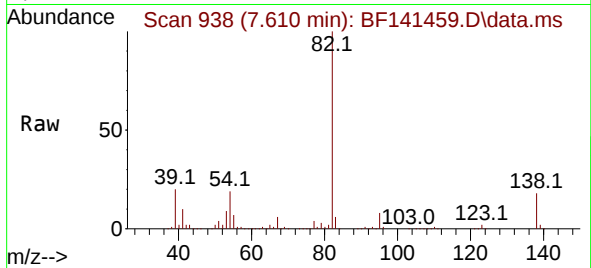
#25
Isophorone
Concen: 41.810 ng
RT: 7.610 min Scan# 91
Delta R.T. -0.018 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Instrument :
BNA_F
ClientSampleId :
72-11984MSD

Tgt Ion: 82 Resp: 420228
Ion Ratio Lower Upper
82 100
95 7.7 5.8 8.6
138 17.9 14.7 22.1

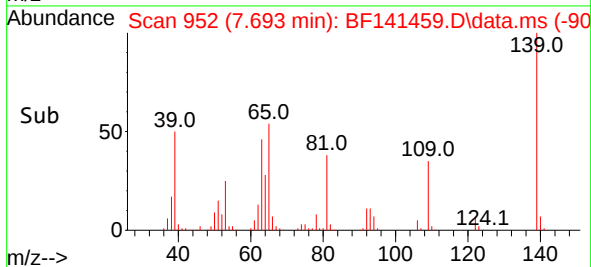
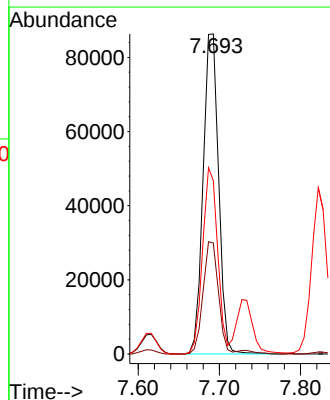
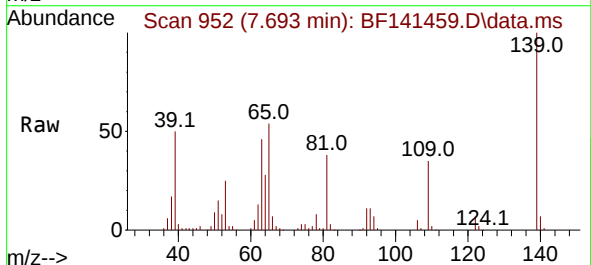
Manual Integrations
APPROVED

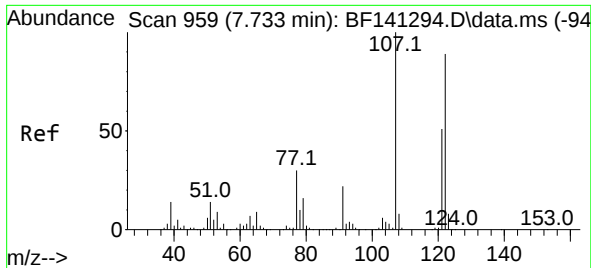
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#26
2-Nitrophenol
Concen: 40.271 ng
RT: 7.693 min Scan# 952
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Tgt Ion:139 Resp: 114442
Ion Ratio Lower Upper
139 100
109 34.7 23.8 35.6
65 54.2 42.2 63.4





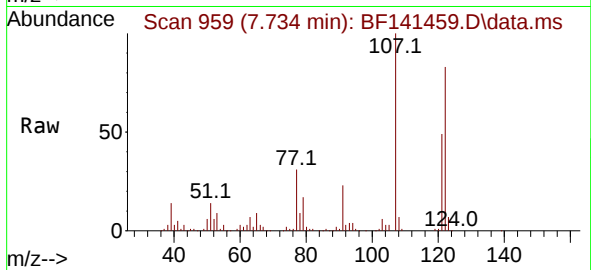
#27
2,4-Dimethylphenol
Concen: 52.260 ng m
RT: 7.734 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Instrument :

BNA_F

ClientSampleId :

72-11984MSD

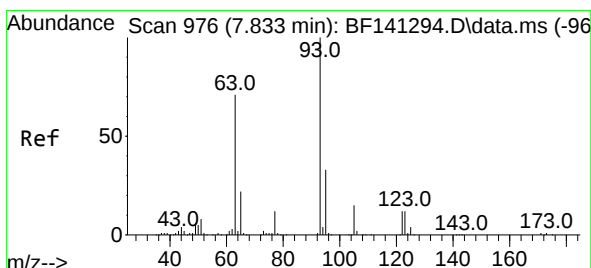
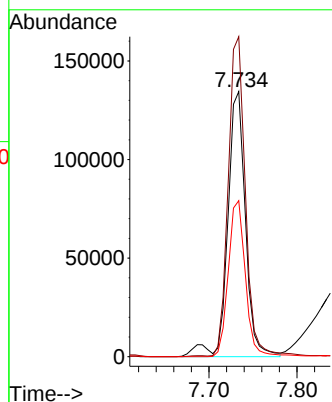
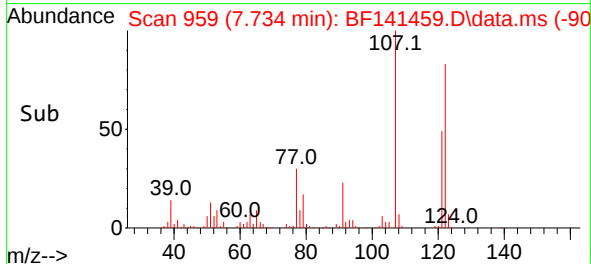


Tgt Ion:122 Resp: 189029
Ion Ratio Lower Upper
122 100
107 120.7 89.9 134.9
121 58.8 46.1 69.1

Manual Integrations

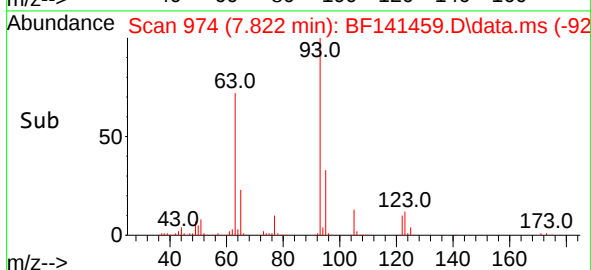
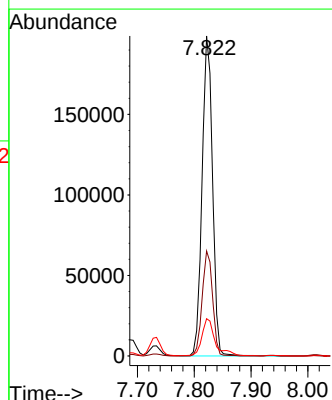
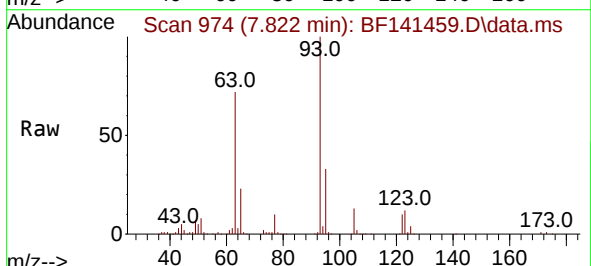
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#28
bis(2-Chloroethoxy)methane
Concen: 39.672 ng
RT: 7.822 min Scan# 974
Delta R.T. -0.018 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Tgt Ion: 93 Resp: 254346
Ion Ratio Lower Upper
93 100
95 32.8 26.2 39.2
123 11.7 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 42.837 ng

RT: 7.940 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141459.D

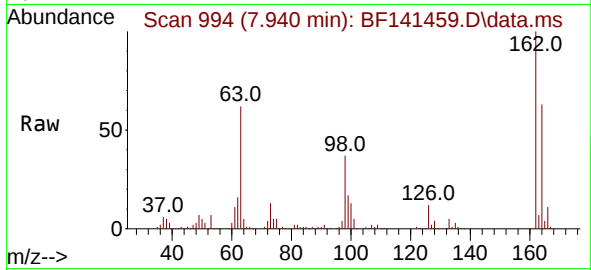
Acq: 05 Feb 2025 20:38

Instrument :

BNA_F

ClientSampleId :

72-11984MSD



Tgt Ion:162 Resp: 189689

Ion Ratio Lower Upper

162 100

164 63.5 44.2 84.2

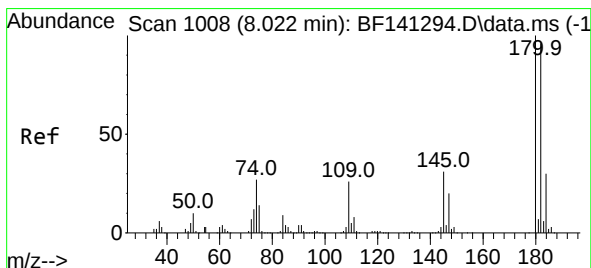
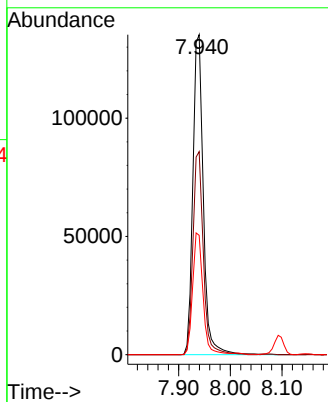
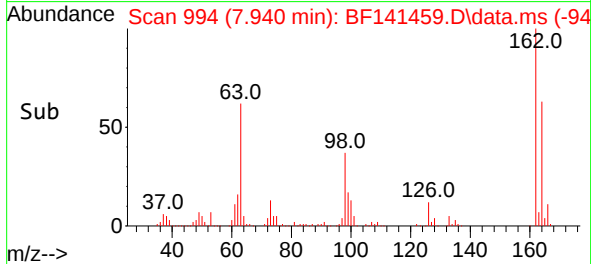
98 37.3 18.2 58.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#30

1,2,4-Trichlorobenzene

Concen: 37.811 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.012 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

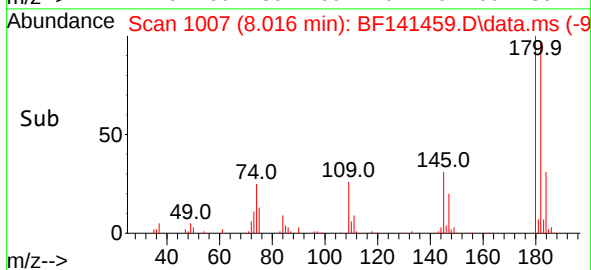
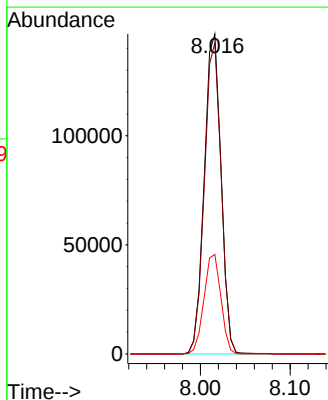
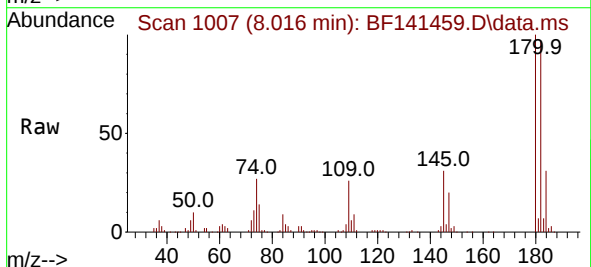
Tgt Ion:180 Resp: 191211

Ion Ratio Lower Upper

180 100

182 97.2 76.4 114.6

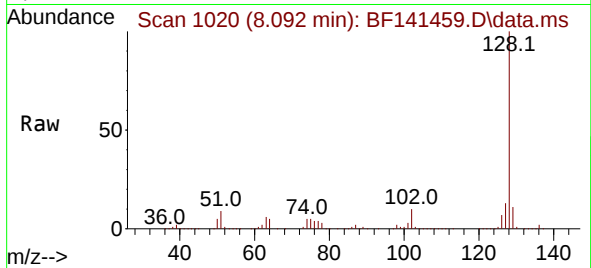
145 31.1 24.9 37.3





#31
Naphthalene
Concen: 39.303 ng
RT: 8.092 min Scan# 1022
Delta R.T. -0.018 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

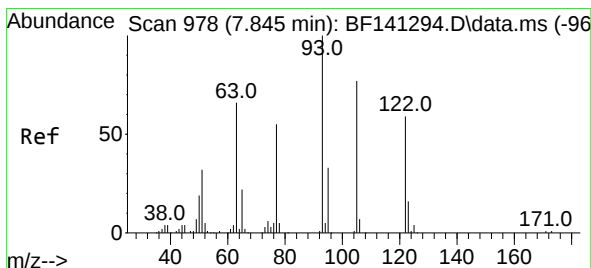
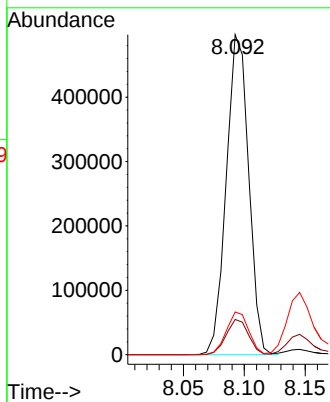
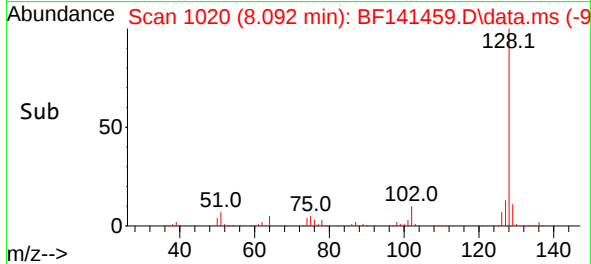
Instrument :
BNA_F
ClientSampleId :
72-11984MSD



Tgt Ion:128 Resp: 63641
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 13.4 10.6 15.8

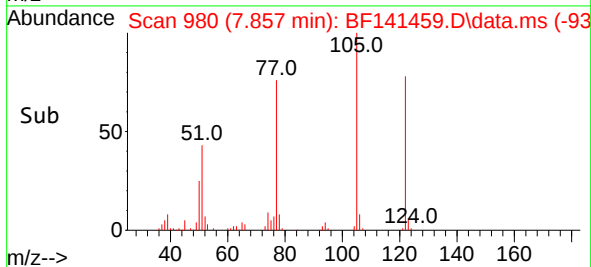
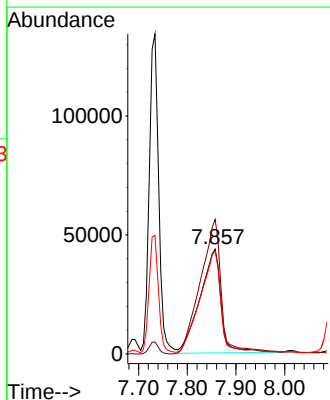
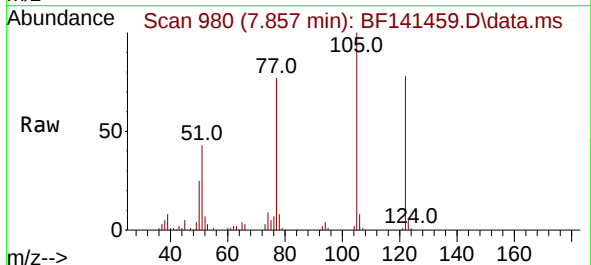
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#32
Benzoic acid
Concen: 39.653 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.024 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Tgt Ion:122 Resp: 131852
Ion Ratio Lower Upper
122 100
105 128.4 103.4 143.4
77 98.5 70.9 110.9





#33
4-Chloroaniline
Concen: 30.069 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Instrument :

BNA_F

ClientSampleId :

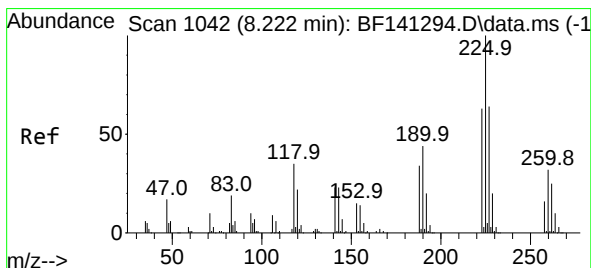
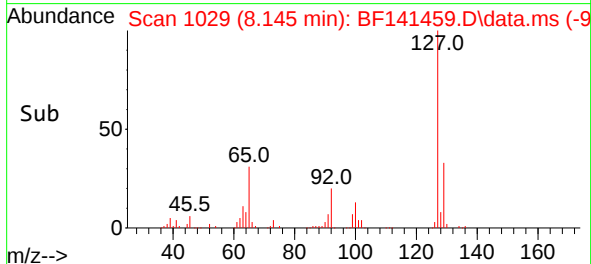
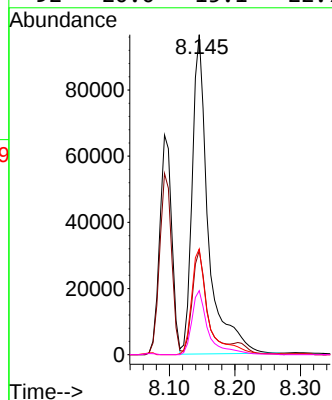
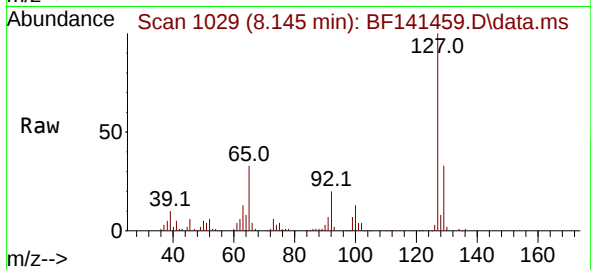
72-11984MSD

Tgt Ion:127 Resp: 165109
Ion Ratio Lower Upper
127 100
129 32.6 25.7 38.5
65 33.0 26.4 39.6
92 20.0 15.1 22.7

Manual Integrations

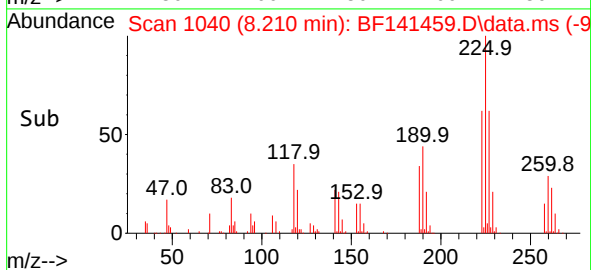
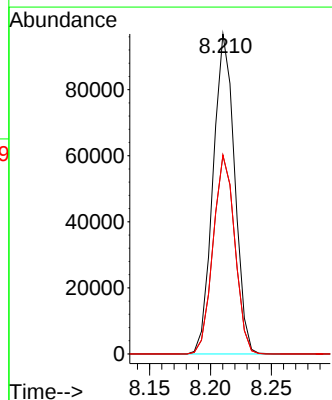
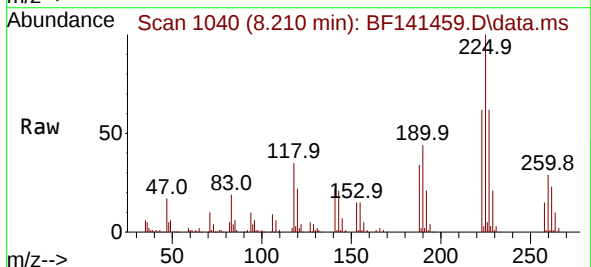
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#34
Hexachlorobutadiene
Concen: 40.256 ng
RT: 8.210 min Scan# 1040
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

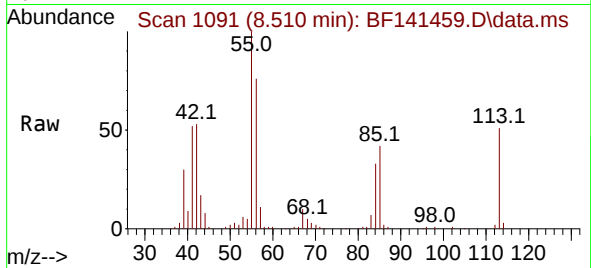
Tgt Ion:225 Resp: 119384
Ion Ratio Lower Upper
225 100
223 62.0 50.4 75.6
227 62.1 51.3 76.9





#35
 Caprolactam
 Concen: 40.037 ng m
 RT: 8.510 min Scan# 1092
 Delta R.T. -0.035 min
 Lab File: BF141459.D
 Acq: 05 Feb 2025 20:38

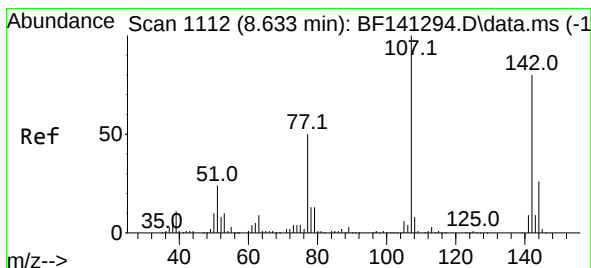
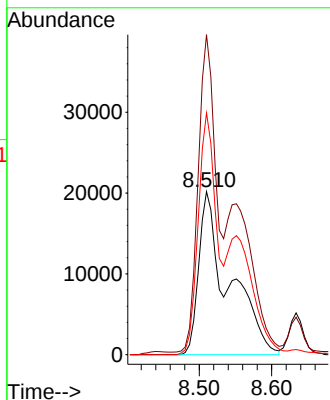
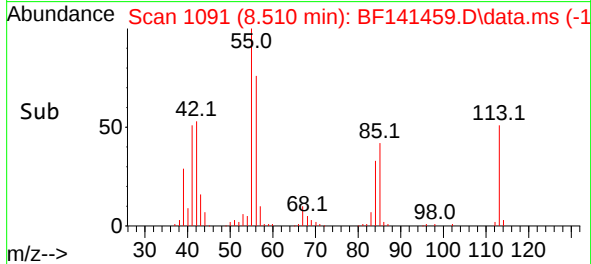
Instrument :
 BNA_F
 ClientSampleId :
 72-11984MSD



Tgt Ion:113 Resp: 57900
 Ion Ratio Lower Upper
 113 100
 55 196.3 182.9 222.9
 56 148.3 127.9 167.9

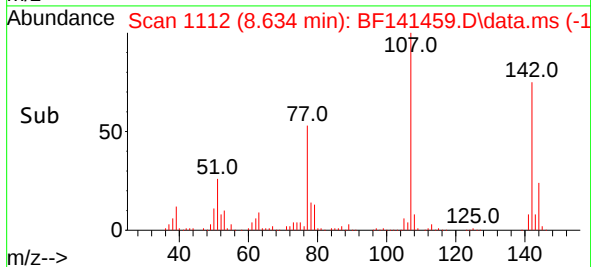
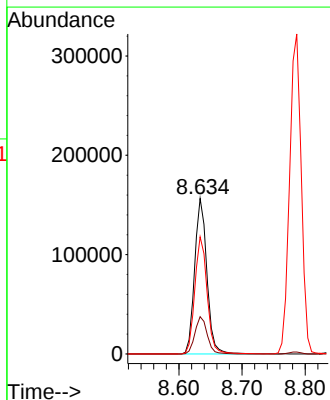
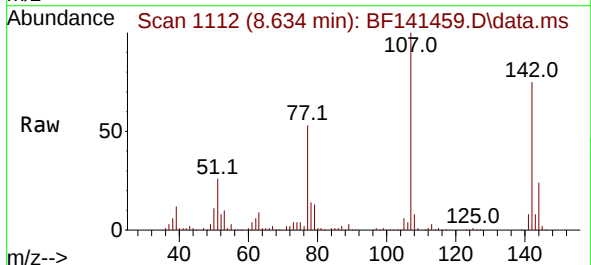
Manual Integrations
 APPROVED

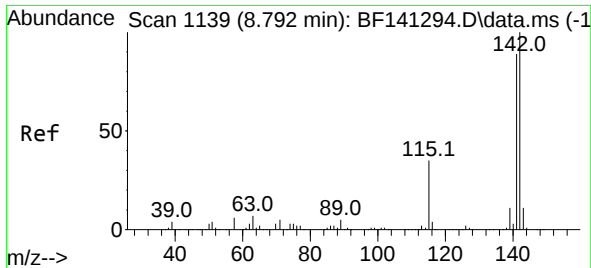
Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025



#36
 4-Chloro-3-methylphenol
 Concen: 44.387 ng
 RT: 8.634 min Scan# 1112
 Delta R.T. -0.006 min
 Lab File: BF141459.D
 Acq: 05 Feb 2025 20:38

Tgt Ion:107 Resp: 210831
 Ion Ratio Lower Upper
 107 100
 144 24.0 20.7 31.1
 142 75.3 63.8 95.8





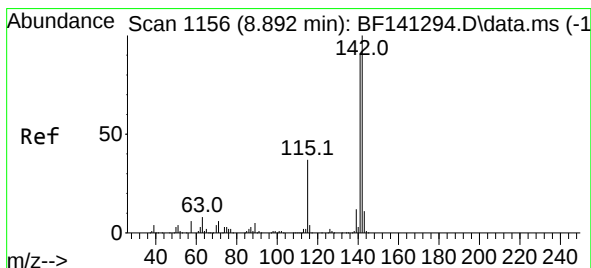
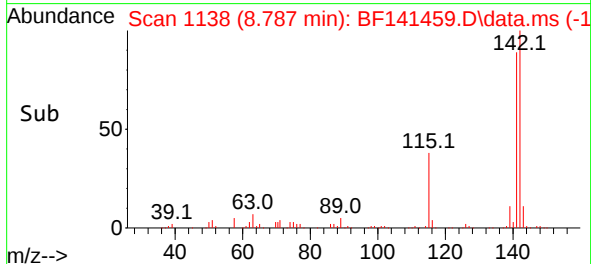
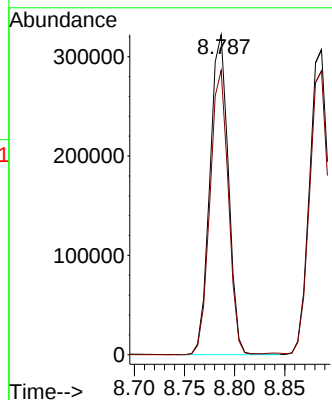
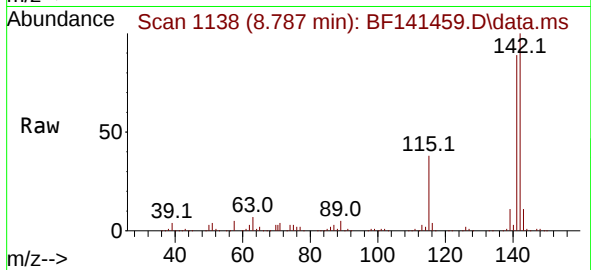
#37
2-Methylnaphthalene
Concen: 40.054 ng
RT: 8.787 min Scan# 1138
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Instrument :
BNA_F
ClientSampleId :
72-11984MSD

Tgt Ion:142 Resp: 41223
Ion Ratio Lower Upper
142 100
141 88.8 71.3 106.9

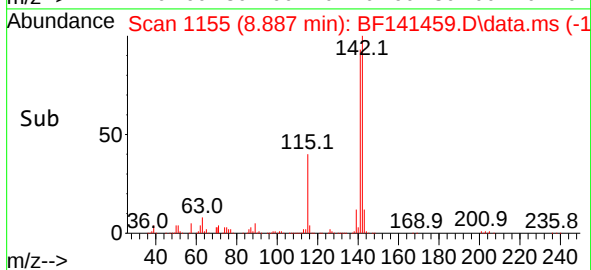
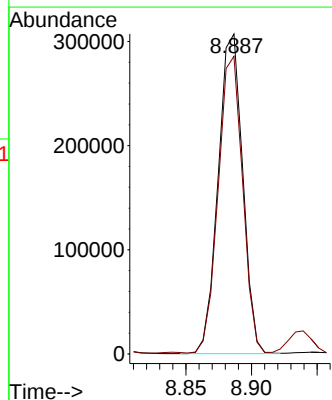
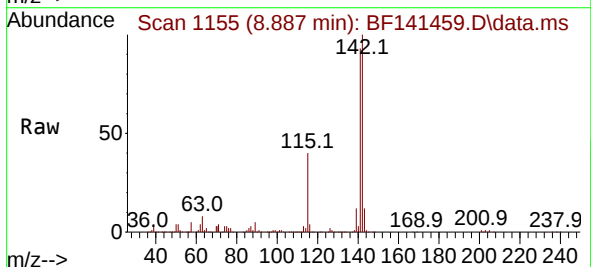
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#38
1-Methylnaphthalene
Concen: 39.405 ng
RT: 8.887 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Tgt Ion:142 Resp: 398370
Ion Ratio Lower Upper
142 100
141 93.0 73.2 109.8





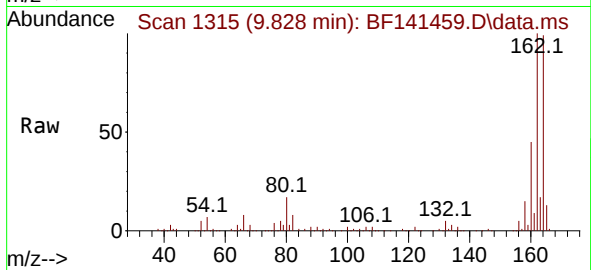
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1165
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Instrument :

BNA_F

ClientSampleId :

72-11984MSD

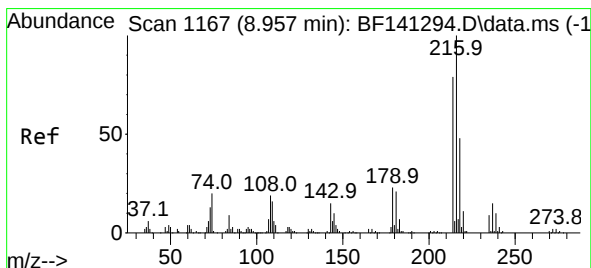
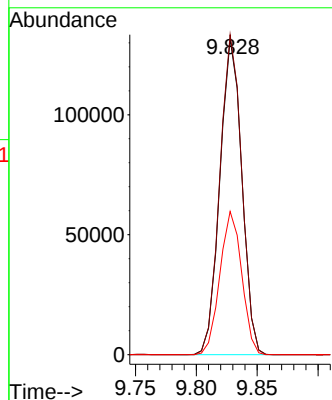
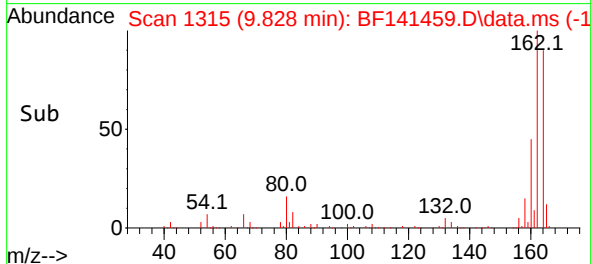


Tgt Ion:164 Resp: 16499
Ion Ratio Lower Upper
164 100
162 101.3 80.6 121.0
160 45.3 35.8 53.6

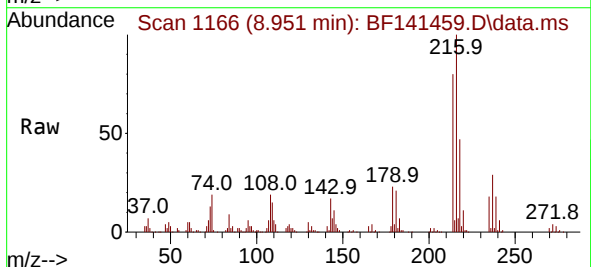
Manual Integrations

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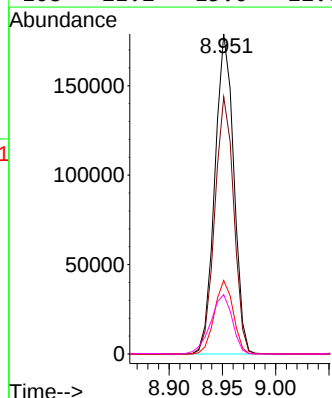
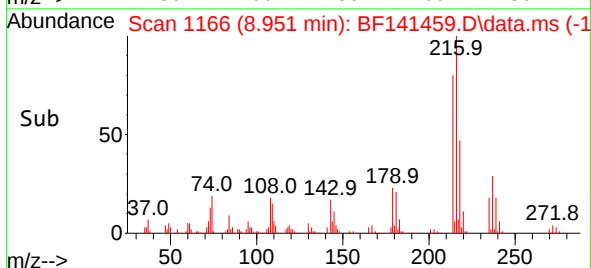
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

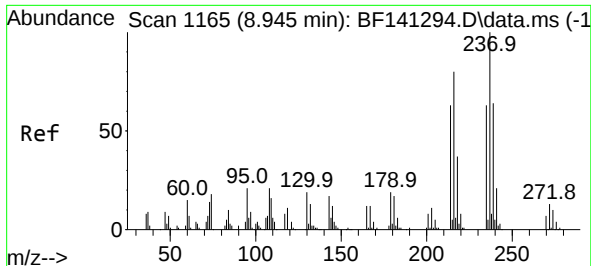


#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.033 ng
RT: 8.951 min Scan# 1166
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38



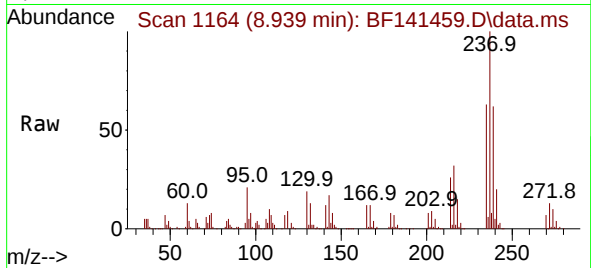
Tgt Ion:216 Resp: 220770
Ion Ratio Lower Upper
216 100
214 80.3 63.2 94.8
179 22.8 17.8 26.8
108 21.2 15.0 22.6





#41
Hexachlorocyclopentadiene
Concen: 164.208 ng
RT: 8.939 min Scan# 1164
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

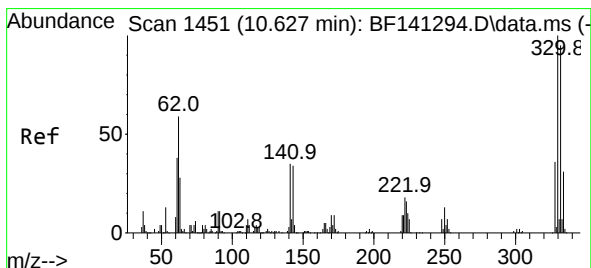
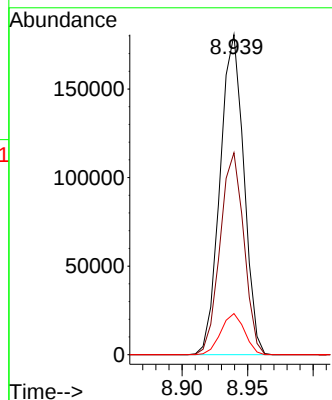
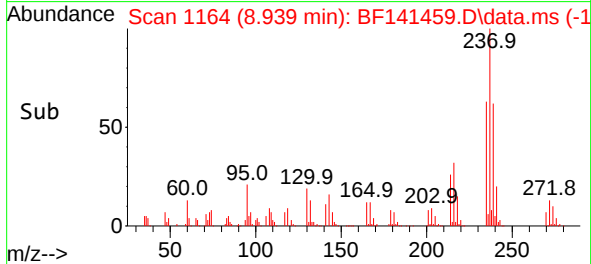
Instrument :
BNA_F
ClientSampleId :
72-11984MSD



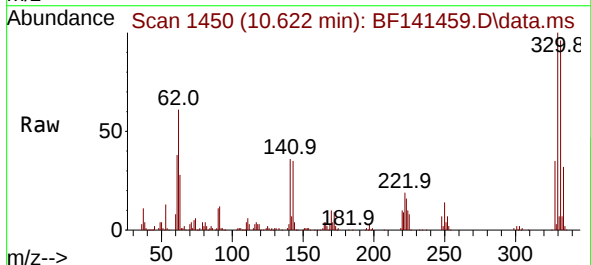
Tgt Ion:237 Resp: 227630
Ion Ratio Lower Upper
237 100
235 63.1 42.9 82.9
272 12.9 0.0 32.8

Manual Integrations
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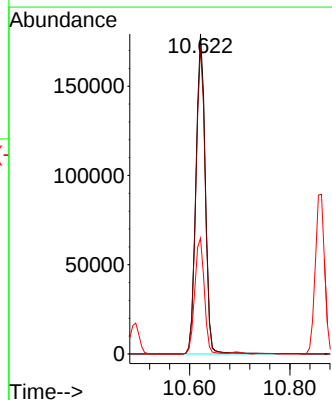
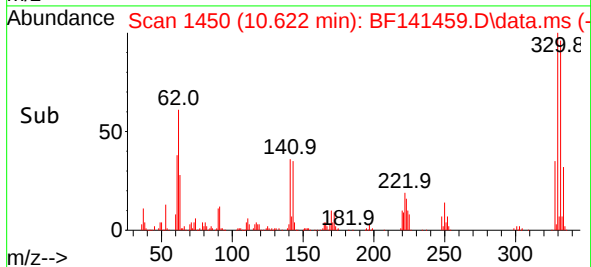
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#42
2,4,6-Tribromophenol
Concen: 153.241 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38



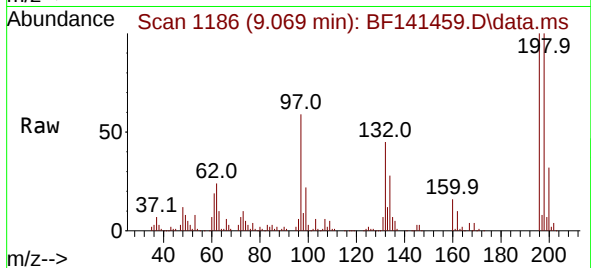
Tgt Ion:330 Resp: 231799
Ion Ratio Lower Upper
330 100
332 95.6 76.1 114.1
141 37.0 28.8 43.2





#43
2,4,6-Trichlorophenol
Concen: 44.902 ng
RT: 9.069 min Scan# 1186
Delta R.T. -0.006 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

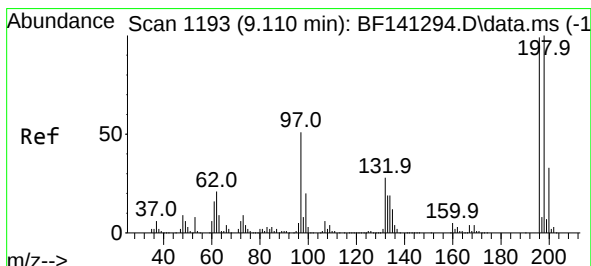
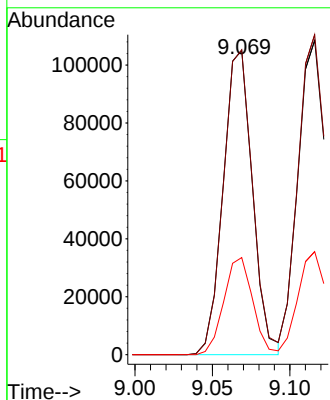
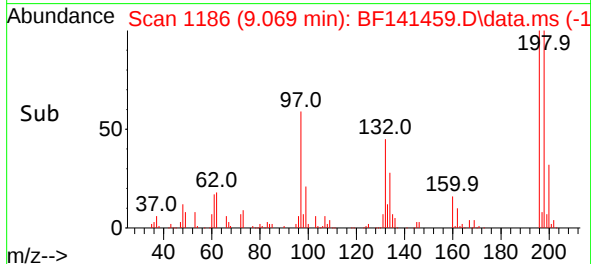
Instrument :
BNA_F
ClientSampleId :
72-11984MSD



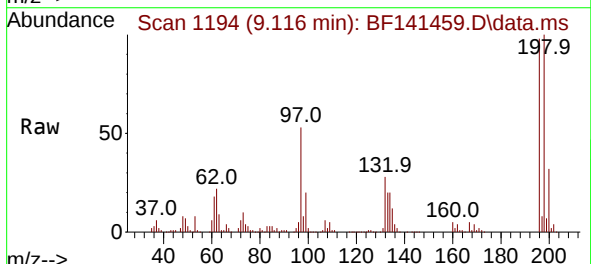
Tgt Ion:196 Resp: 13795
Ion Ratio Lower Upper
196 100
198 100.3 81.8 122.6
200 31.9 26.3 39.5

Manual Integrations
APPROVED

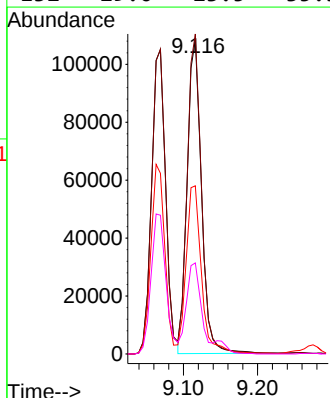
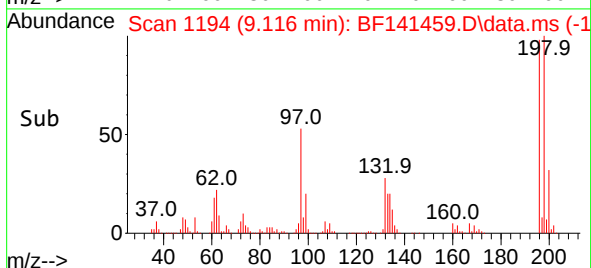
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

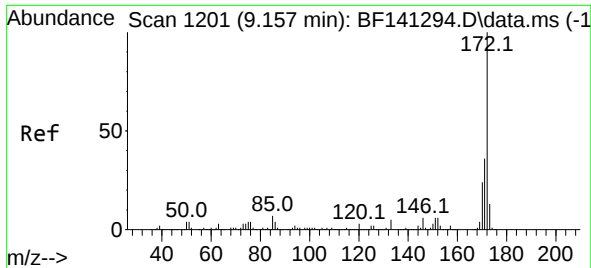


#44
2,4,5-Trichlorophenol
Concen: 43.533 ng
RT: 9.116 min Scan# 1194
Delta R.T. -0.000 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38



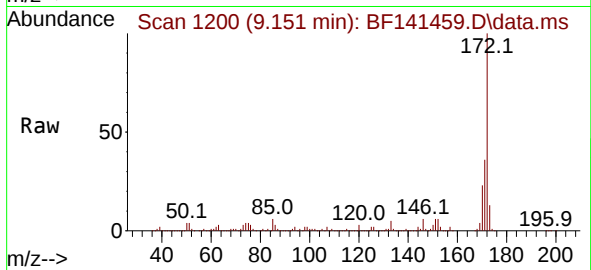
Tgt Ion:196 Resp: 145573
Ion Ratio Lower Upper
196 100
198 101.8 80.5 120.7
97 53.5 42.8 64.2
132 29.0 23.5 35.3





#45
2-Fluorobiphenyl
Concen: 92.553 ng
RT: 9.151 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

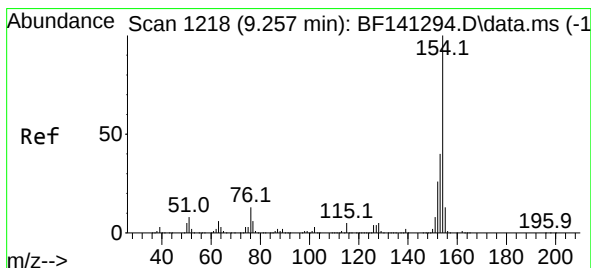
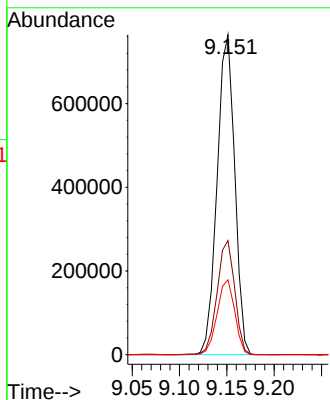
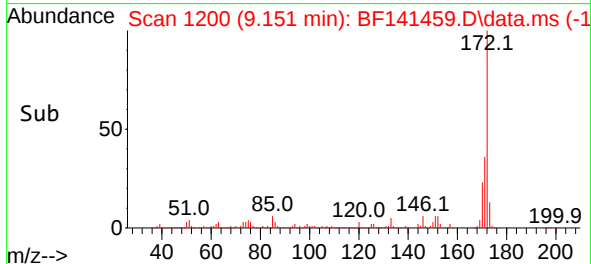
Instrument :
BNA_F
ClientSampleId :
72-11984MSD



Tgt Ion:172 Resp: 99214
Ion Ratio Lower Upper
172 100
171 35.6 28.8 43.2
170 23.4 19.0 28.6

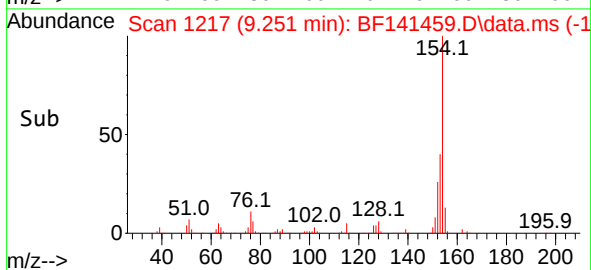
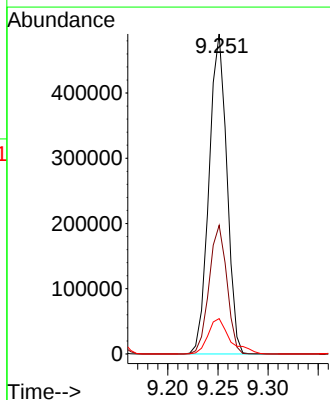
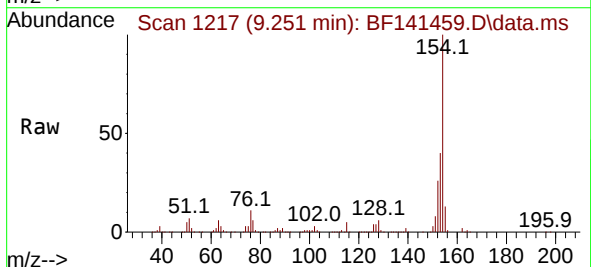
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#46
1,1'-Biphenyl
Concen: 47.122 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Tgt Ion:154 Resp: 606349
Ion Ratio Lower Upper
154 100
153 40.2 20.0 60.0
76 11.1 0.0 32.8





#47

2-Chloronaphthalene

Concen: 40.537 ng

RT: 9.275 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

Instrument :

BNA_F

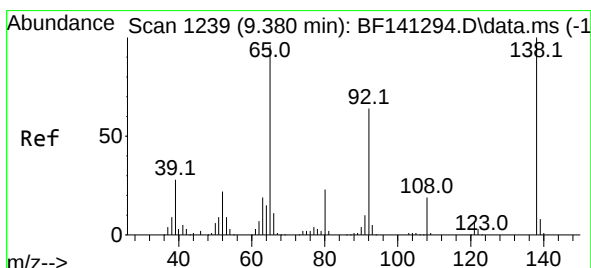
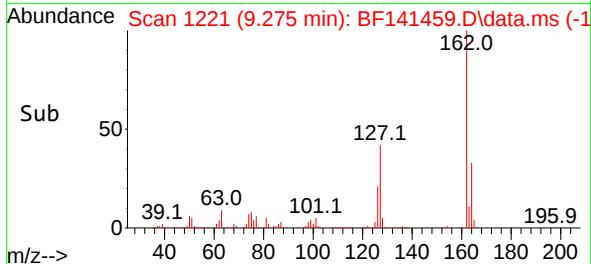
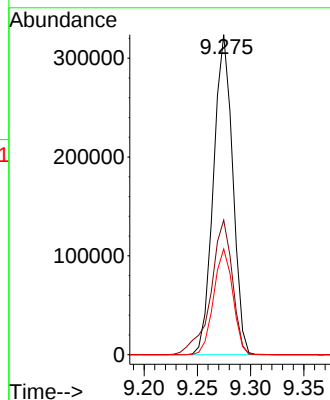
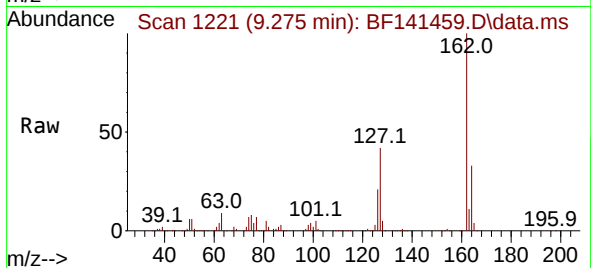
ClientSampleId :

72-11984MSD

Tgt Ion:162 Resp: 40657
 Ion Ratio Lower Upper
 162 100
 127 42.1 33.7 50.5
 164 33.0 25.9 38.9

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025



#48

2-Nitroaniline

Concen: 46.127 ng

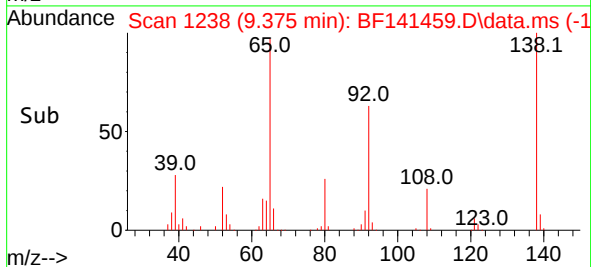
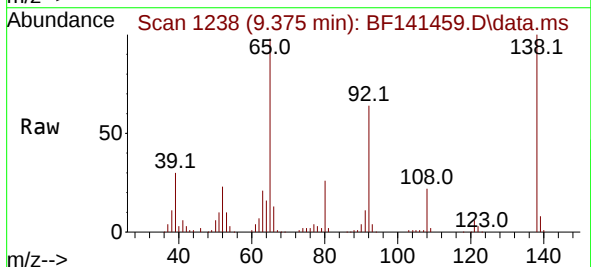
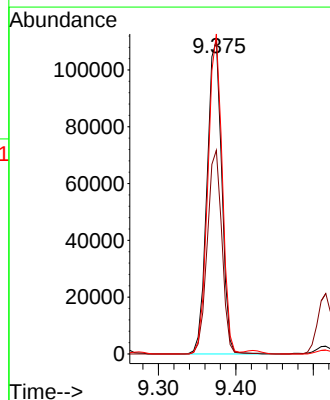
RT: 9.375 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

Tgt Ion: 65 Resp: 145518
 Ion Ratio Lower Upper
 65 100
 92 64.9 53.3 79.9
 138 102.0 83.6 125.4





#49

Acenaphthylene

Concen: 45.825 ng

RT: 9.692 min Scan# 1293

Delta R.T. -0.012 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

Instrument :

BNA_F

ClientSampleId :

72-11984MSD

Tgt Ion:152 Resp: 643369

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.2

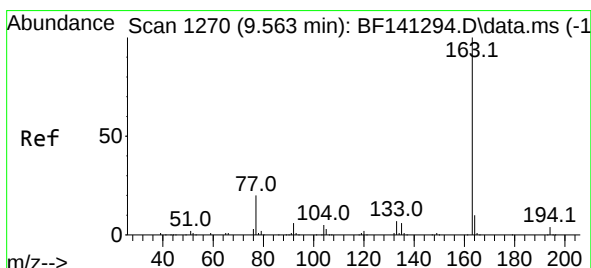
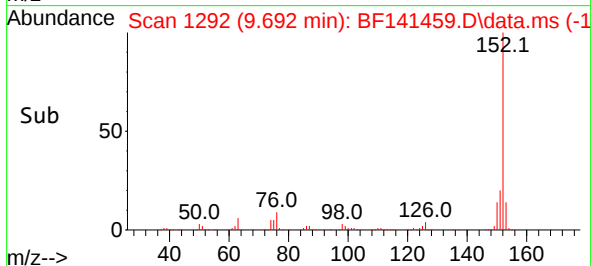
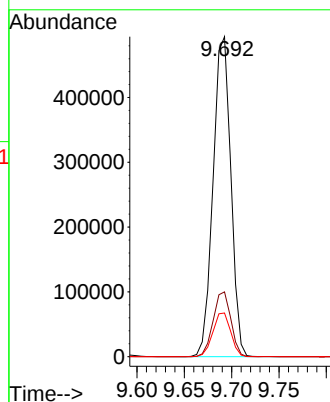
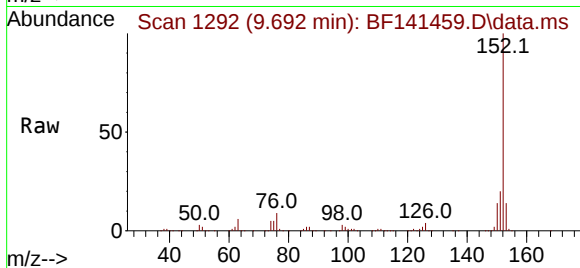
153 13.7 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#50

Dimethylphthalate

Concen: 44.487 ng

RT: 9.551 min Scan# 1268

Delta R.T. -0.018 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

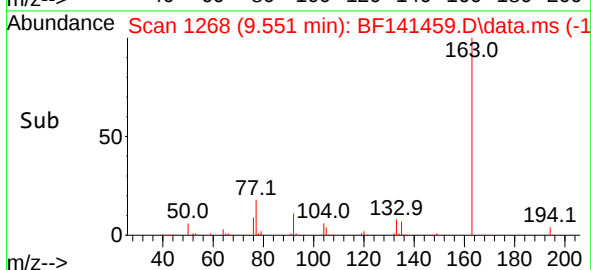
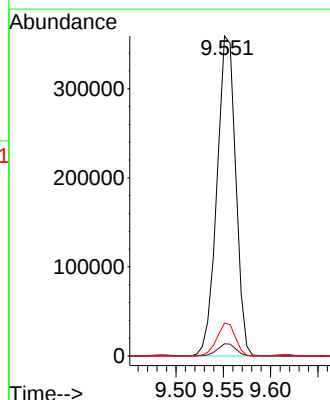
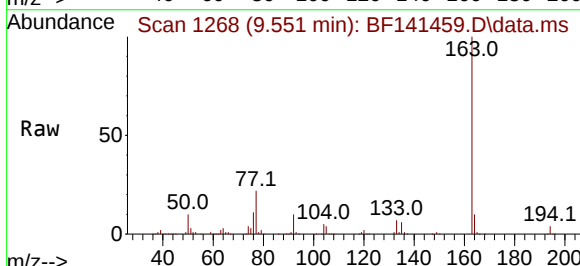
Tgt Ion:163 Resp: 495755

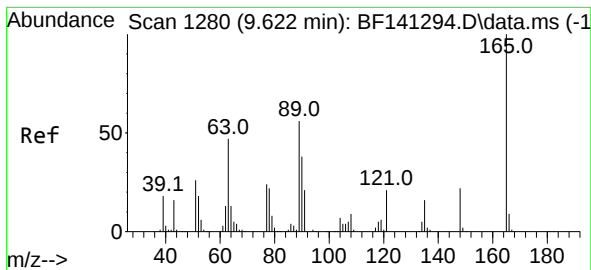
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

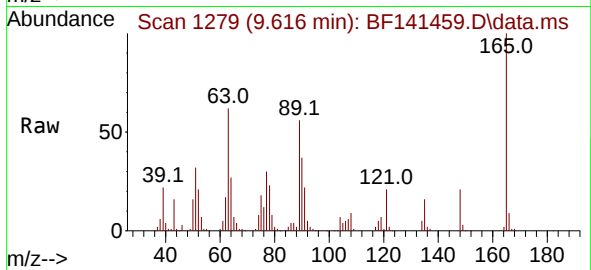
164 10.2 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 43.914 ng
RT: 9.616 min Scan# 1279
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

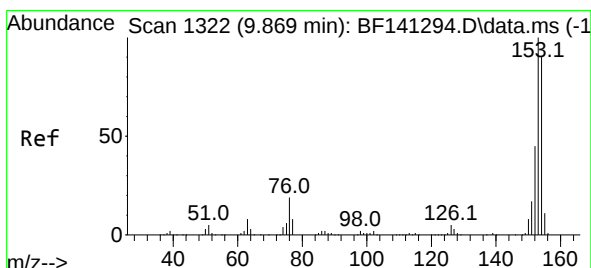
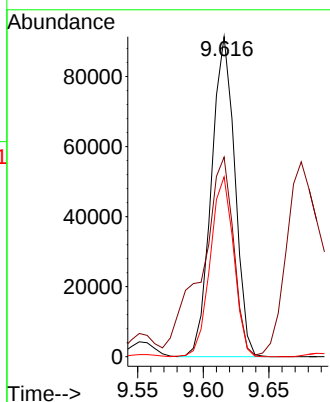
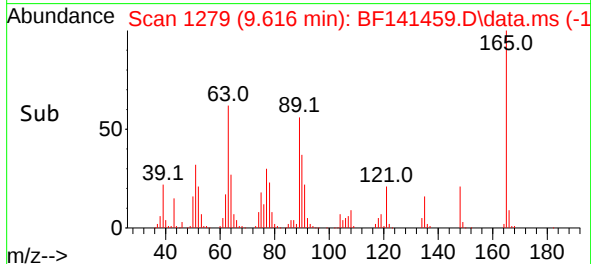
Instrument :
BNA_F
ClientSampleId :
72-11984MSD



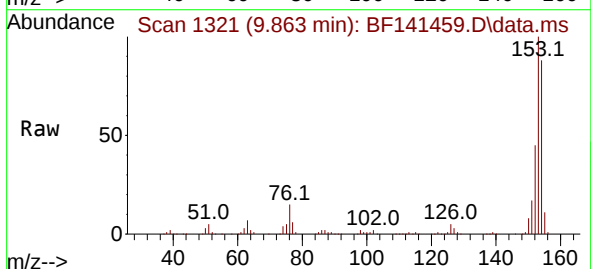
Tgt Ion:165 Resp: 113629
Ion Ratio Lower Upper
165 100
63 62.3 48.1 72.1
89 56.2 44.9 67.3

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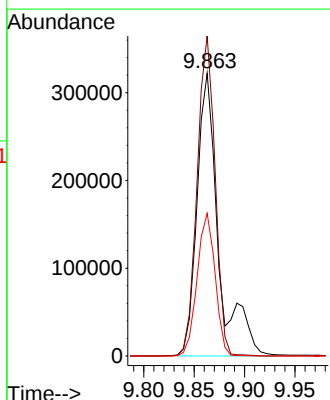
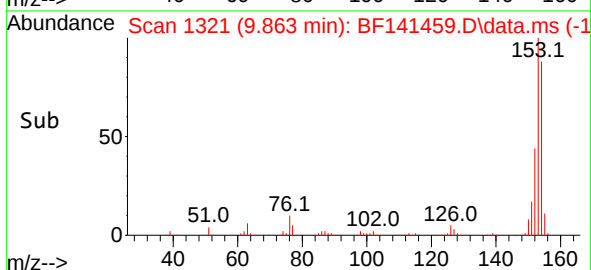
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

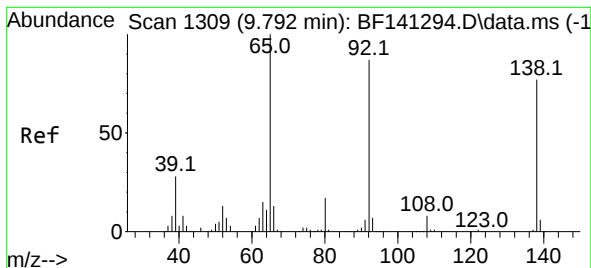


#52
Acenaphthene
Concen: 47.900 ng m
RT: 9.863 min Scan# 1321
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38



Tgt Ion:154 Resp: 480442
Ion Ratio Lower Upper
154 100
153 113.2 89.0 133.4
152 50.4 40.2 60.4





#53

3-Nitroaniline

Concen: 34.292 ng

RT: 9.786 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

Instrument :

BNA_F

ClientSampleId :

72-11984MSD

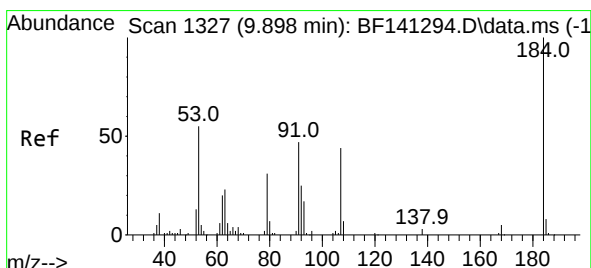
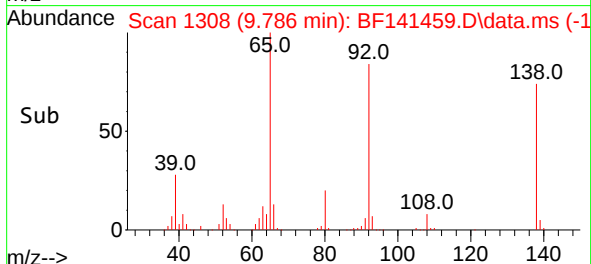
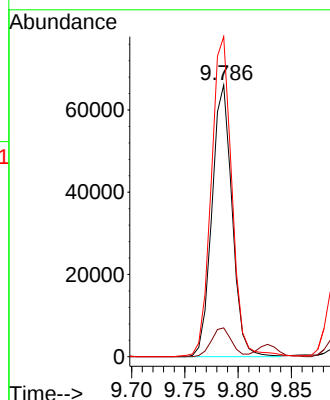
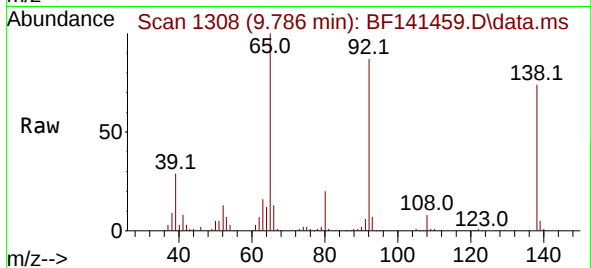
Tgt Ion:	138	Resp:	8696
Ion Ratio	Lower	Upper	
138	100		
108	10.6	8.6	12.8
92	117.8	91.0	136.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#54

2,4-Dinitrophenol

Concen: 94.489 ng

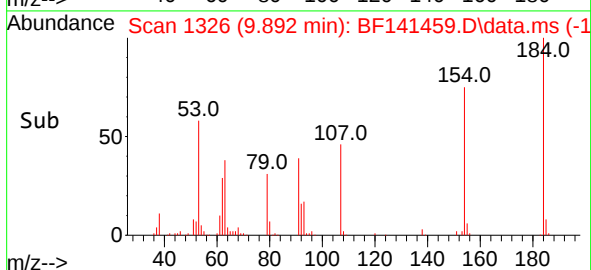
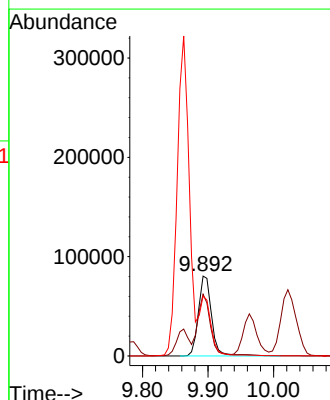
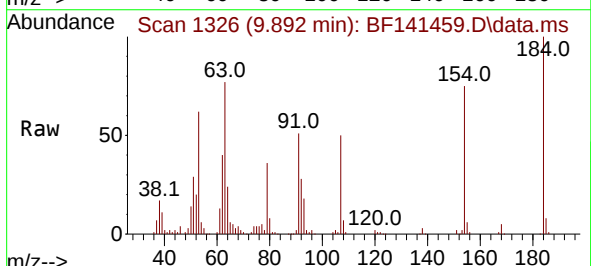
RT: 9.892 min Scan# 1326

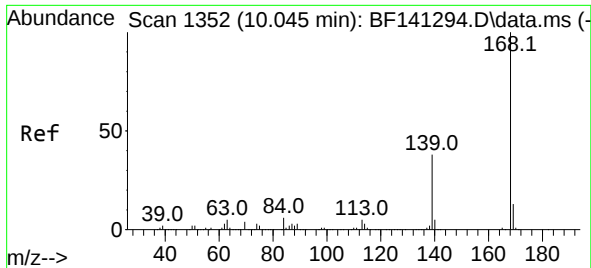
Delta R.T. -0.012 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

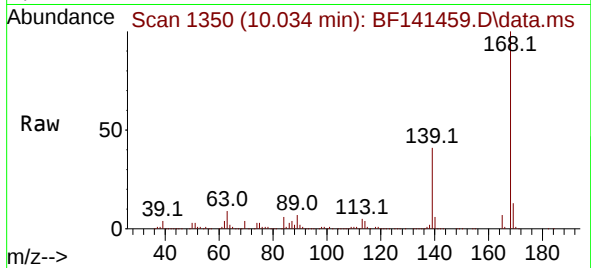
Tgt Ion:	184	Resp:	113651
Ion Ratio	Lower	Upper	
184	100		
63	77.4	54.1	81.1
154	74.9	50.7	76.1





#55
Dibenzenofuran
Concen: 43.964 ng
RT: 10.034 min Scan# 1350
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

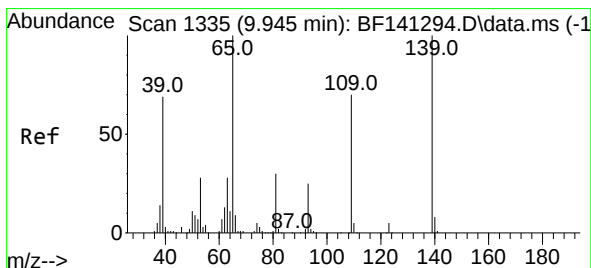
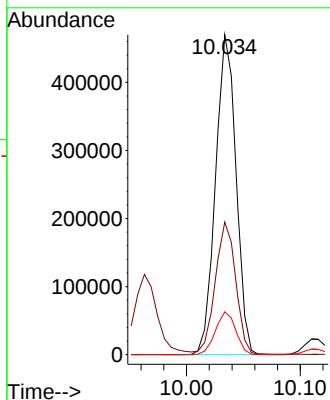
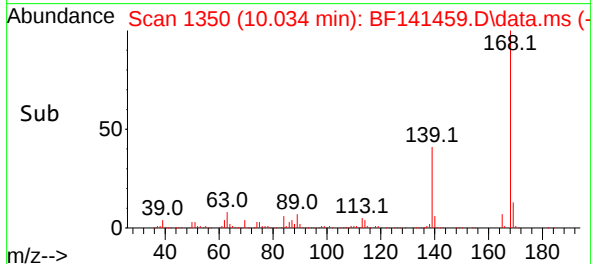
Instrument :
BNA_F
ClientSampleId :
72-11984MSD



Tgt Ion:168 Resp: 59024
Ion Ratio Lower Upper
168 100
139 41.5 30.6 46.0
169 13.4 10.8 16.2

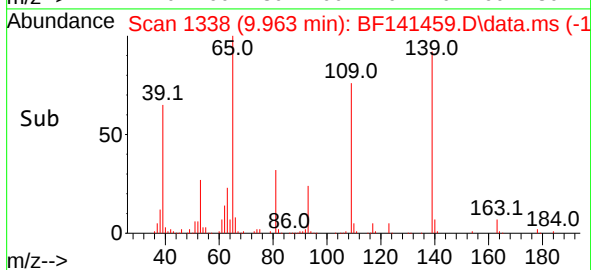
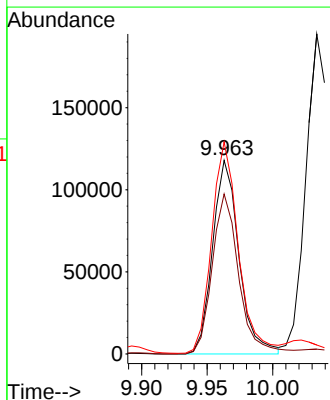
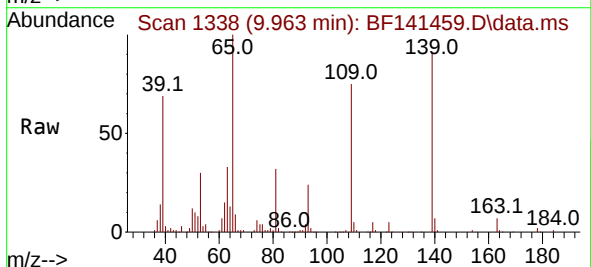
Manual Integrations
APPROVED

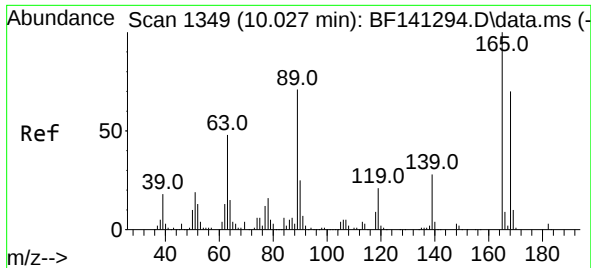
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#56
4-Nitrophenol
Concen: 89.004 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.006 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Tgt Ion:139 Resp: 165073
Ion Ratio Lower Upper
139 100
109 82.6 50.2 90.2
65 109.5 80.6 120.6





#57
2,4-Dinitrotoluene
Concen: 45.403 ng
RT: 10.022 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Instrument :

BNA_F

ClientSampleId :

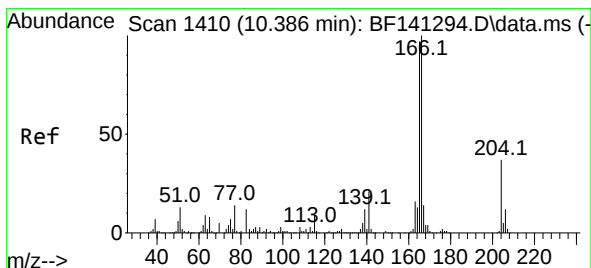
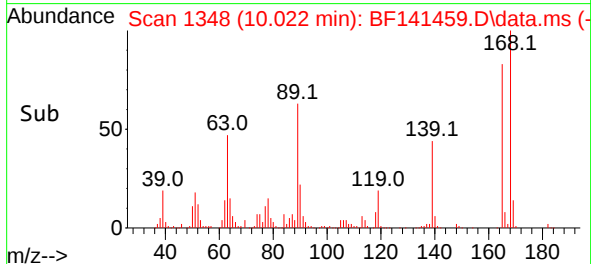
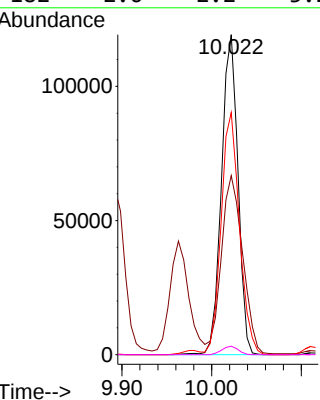
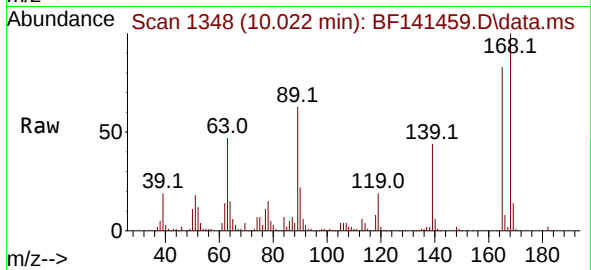
72-11984MSD

Tgt Ion:165 Resp: 15210
Ion Ratio Lower Upper
165 100
63 55.9 39.2 58.8
89 75.7 56.9 85.3
182 2.6 2.2 3.2

Manual Integrations

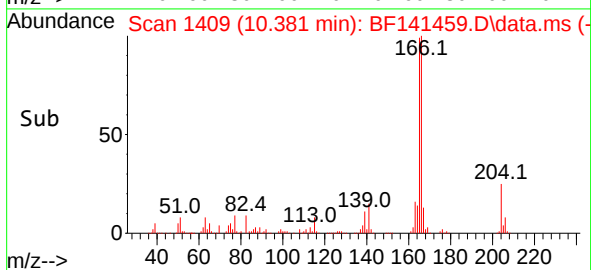
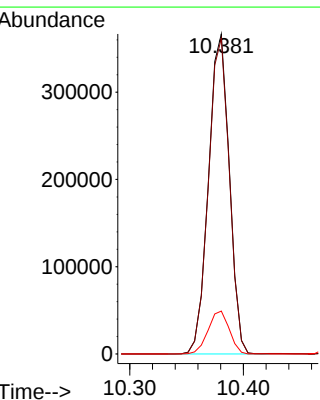
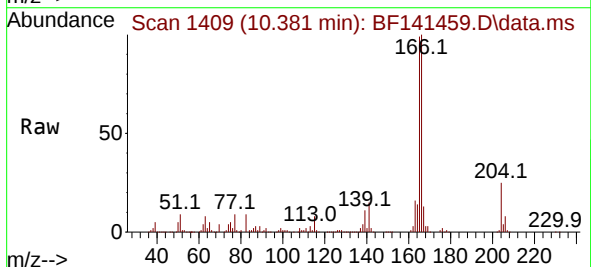
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#58
Fluorene
Concen: 44.950 ng
RT: 10.381 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

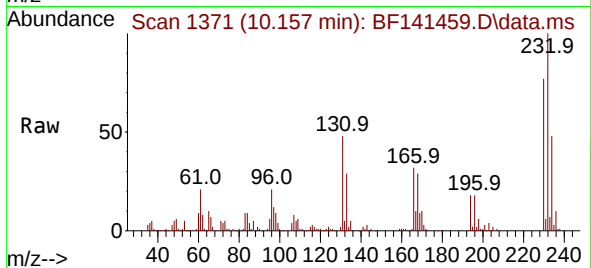
Tgt Ion:166 Resp: 468110
Ion Ratio Lower Upper
166 100
165 98.6 77.5 116.3
167 13.4 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 49.173 ng
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

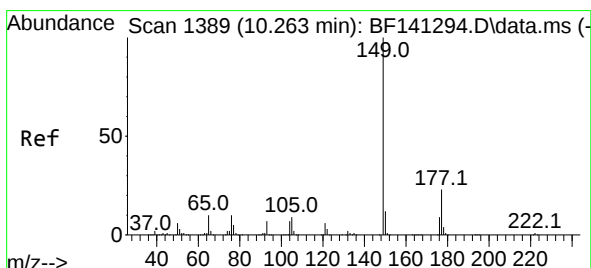
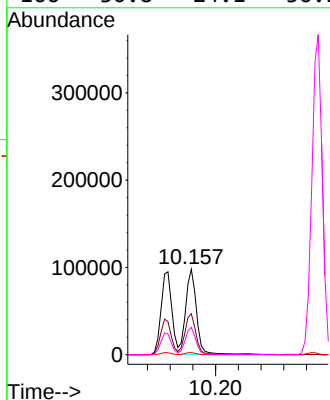
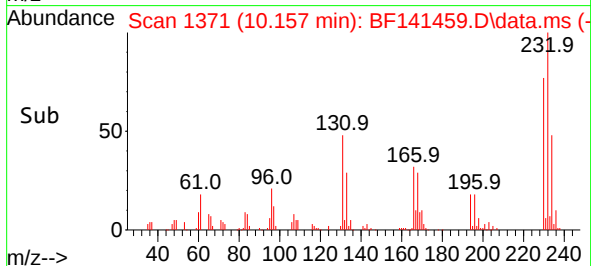
Instrument :
BNA_F
ClientSampleId :
72-11984MSD



Tgt Ion:232 Resp: 12936
Ion Ratio Lower Upper
232 100
131 47.3 36.4 54.6
130 2.4 1.9 2.9
166 30.8 24.1 36.1

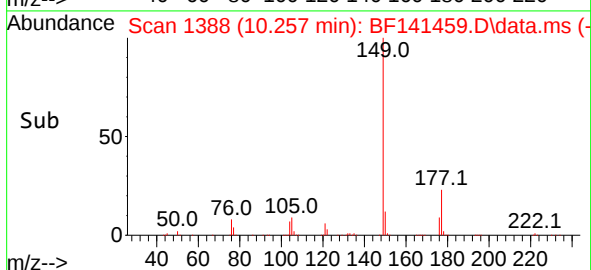
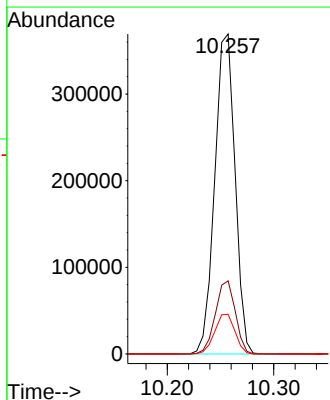
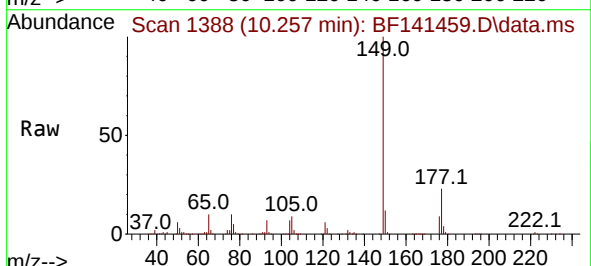
Manual Integrations
APPROVED

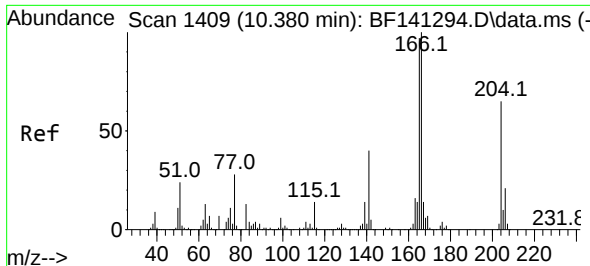
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#60
Diethylphthalate
Concen: 45.100 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

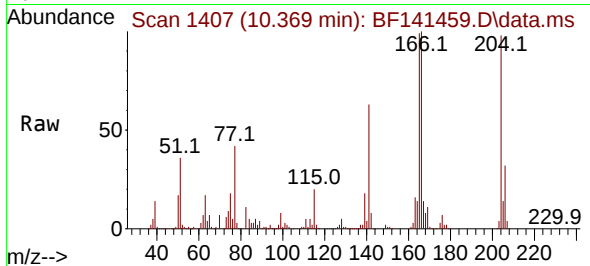
Tgt Ion:149 Resp: 487316
Ion Ratio Lower Upper
149 100
177 22.9 18.5 27.7
150 12.4 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 44.988 ng
RT: 10.369 min Scan# 1407
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

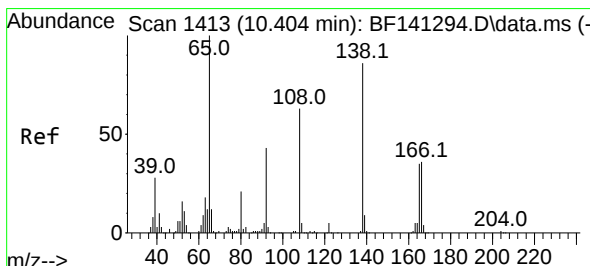
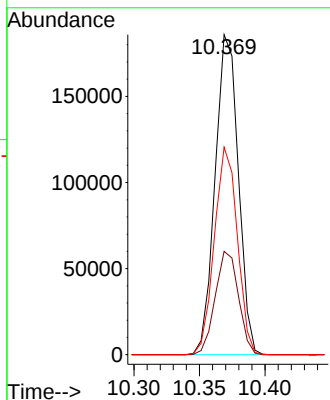
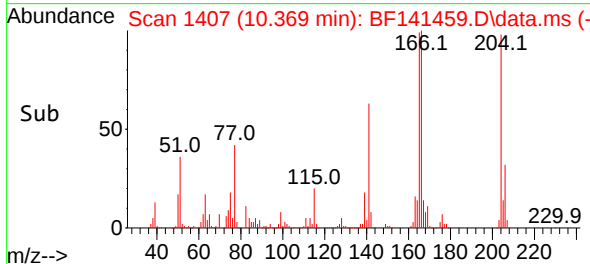
Instrument :
BNA_F
ClientSampleId :
72-11984MSD



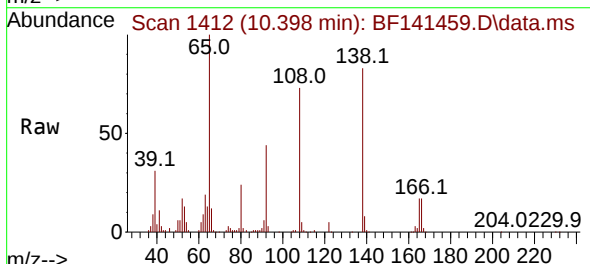
Tgt Ion:204 Resp: 228850
Ion Ratio Lower Upper
204 100
206 32.3 25.9 38.9
141 64.9 49.5 74.3

Manual Integrations
APPROVED

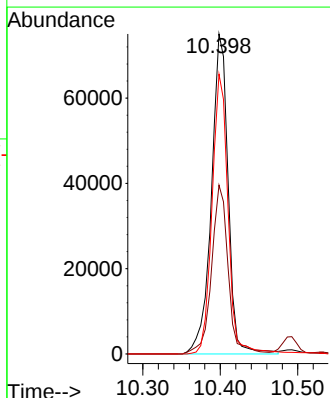
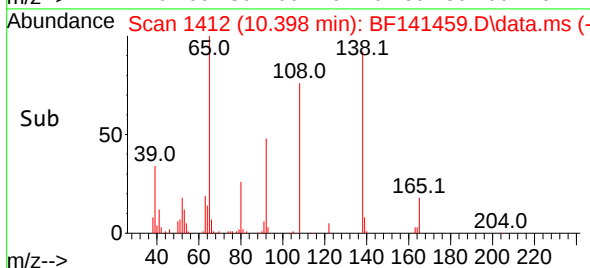
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

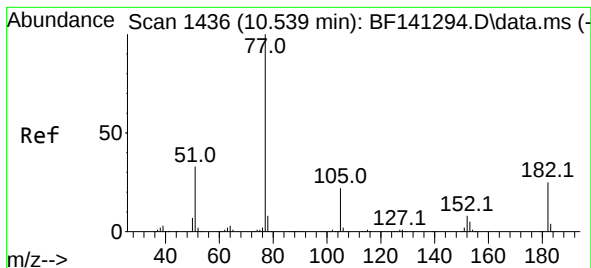


#62
4-Nitroaniline
Concen: 45.250 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.018 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38



Tgt Ion:138 Resp: 112819
Ion Ratio Lower Upper
138 100
92 52.7 30.1 70.1
108 87.5 53.1 93.1





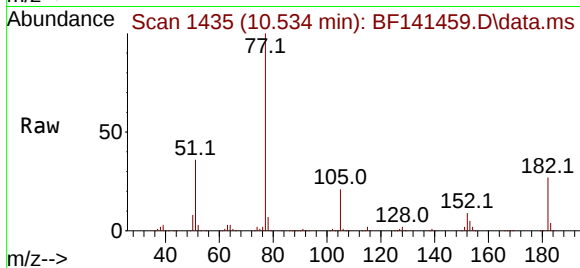
#63
Azobenzene
Concen: 43.625 ng
RT: 10.534 min Scan# 1436
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Instrument :

BNA_F

ClientSampleId :

72-11984MSD



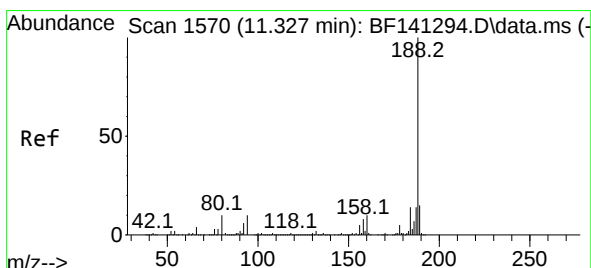
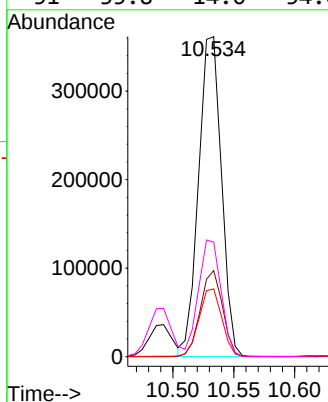
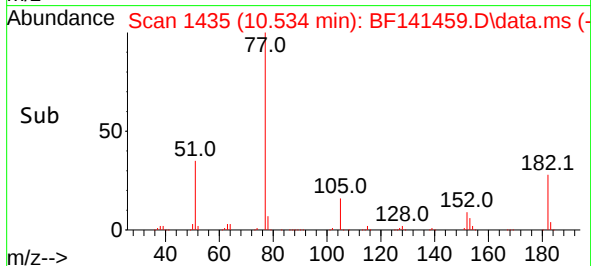
Tgt Ion: 77 Resp: 471834
Ion Ratio Lower Upper
77 100
182 26.9 5.1 45.1
105 21.2 1.8 41.8
51 35.8 14.0 54.0

Manual Integrations

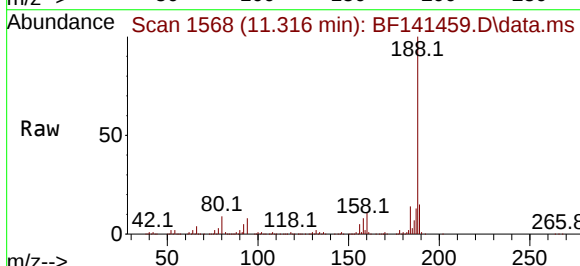
APPROVED

Reviewed By :Yogesh Patel 02/06/2025

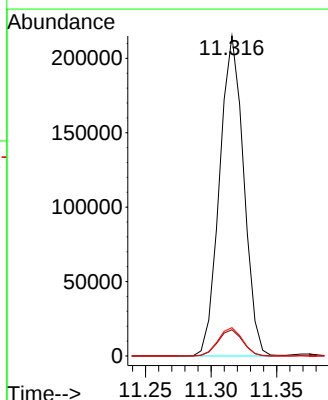
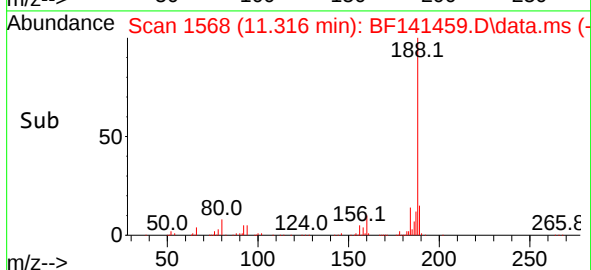
Supervised By :mohammad ahmed 02/06/2025

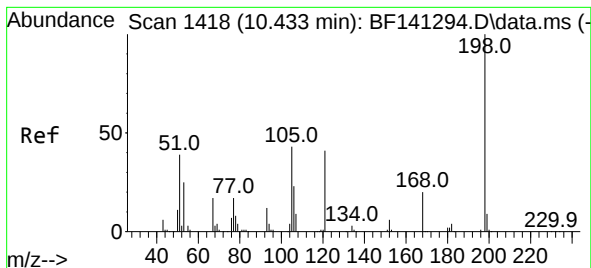


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38



Tgt Ion:188 Resp: 275032
Ion Ratio Lower Upper
188 100
94 8.2 7.8 11.6
80 8.8 8.2 12.4





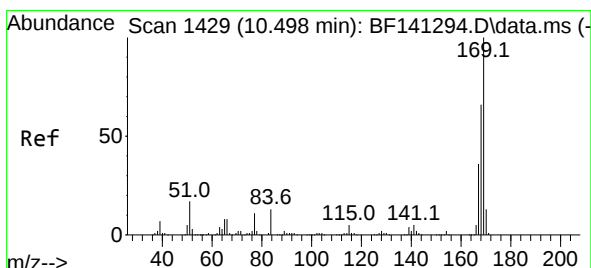
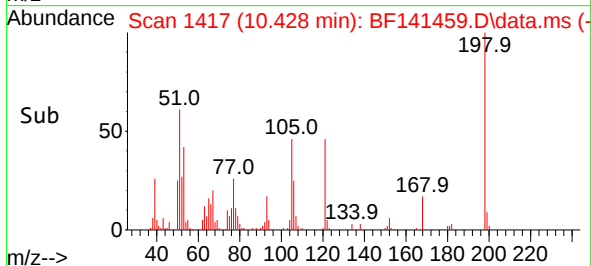
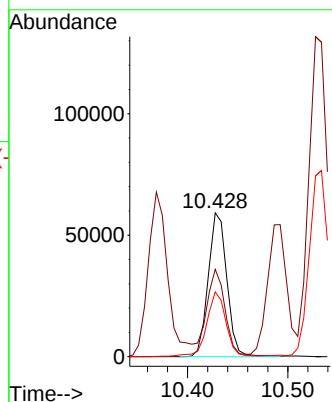
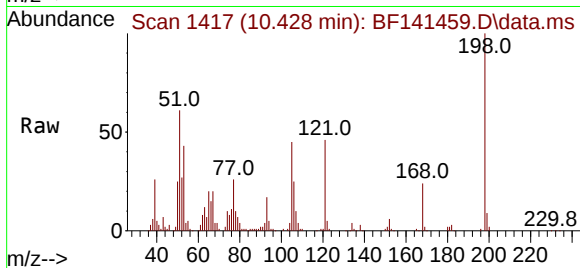
#65
4,6-Dinitro-2-methylphenol
Concen: 47.085 ng
RT: 10.428 min Scan# 1418
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Instrument :
BNA_F
ClientSampleId :
72-11984MSD

Tgt Ion:198 Resp: 76598
Ion Ratio Lower Upper
198 100
51 60.8 33.4 73.4
105 45.0 24.4 64.4

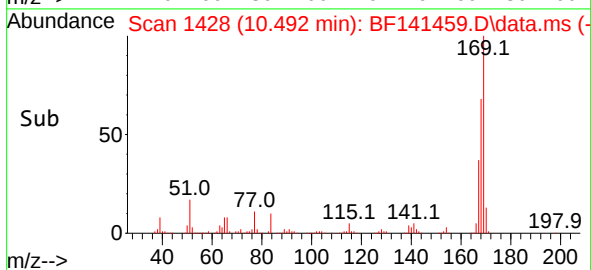
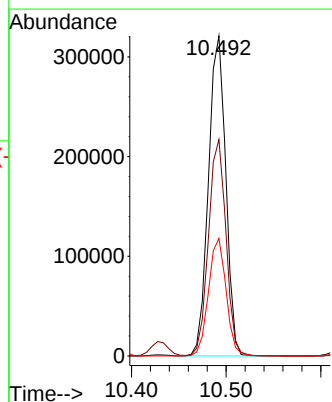
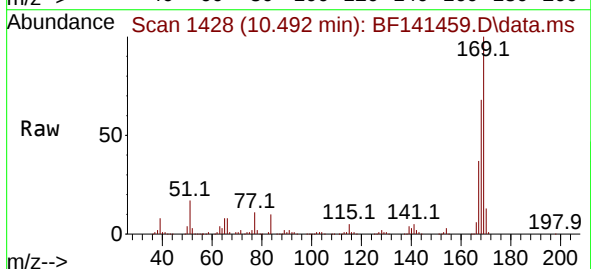
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#66
n-Nitrosodiphenylamine
Concen: 45.831 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

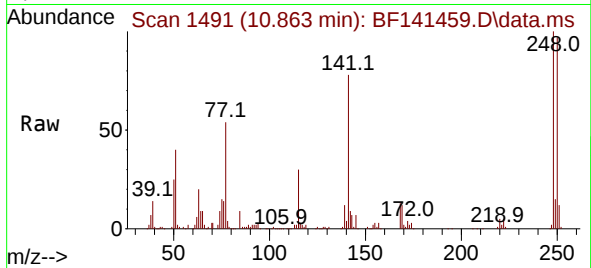
Tgt Ion:169 Resp: 407690
Ion Ratio Lower Upper
169 100
168 67.7 53.0 79.4
167 36.7 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 45.823 ng
RT: 10.863 min Scan# 14109
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

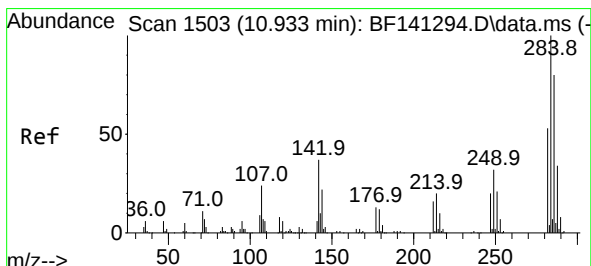
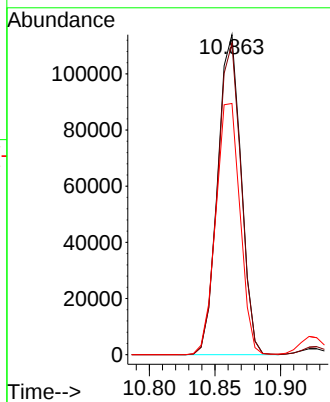
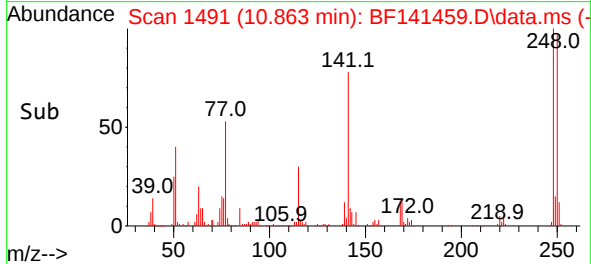
Instrument :
BNA_F
ClientSampleId :
72-11984MSD



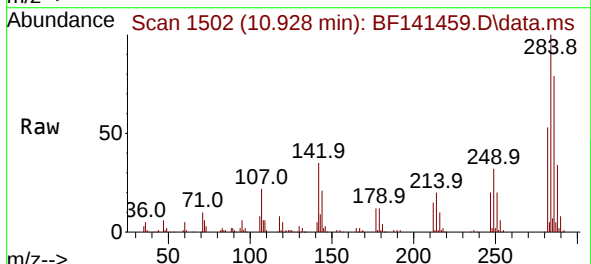
Tgt Ion:248 Resp: 14109
Ion Ratio Lower Upper
248 100
250 97.3 79.0 118.4
141 78.5 63.7 95.5

Manual Integrations
APPROVED

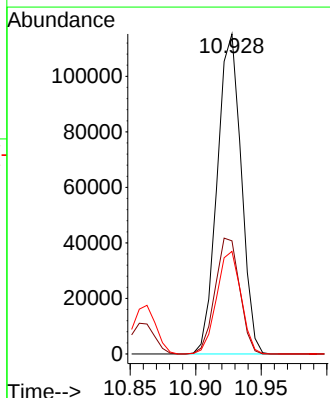
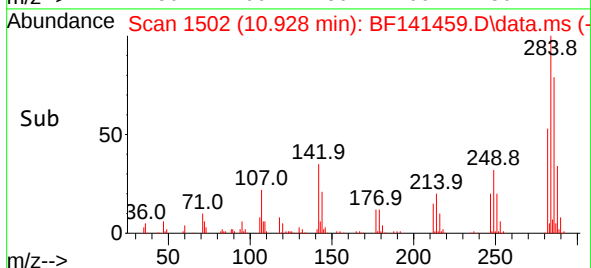
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#68
Hexachlorobenzene
Concen: 44.916 ng
RT: 10.928 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38



Tgt Ion:284 Resp: 146701
Ion Ratio Lower Upper
284 100
142 35.3 29.5 44.3
249 32.1 25.4 38.2





#69

Atrazine

Concen: 52.314 ng

RT: 11.022 min Scan# 1519

Delta R.T. -0.012 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

Instrument :

BNA_F

ClientSampleId :

72-11984MSD

Tgt Ion:200 Resp: 15559

Ion Ratio Lower Upper

200 100

173 25.1 5.9 45.9

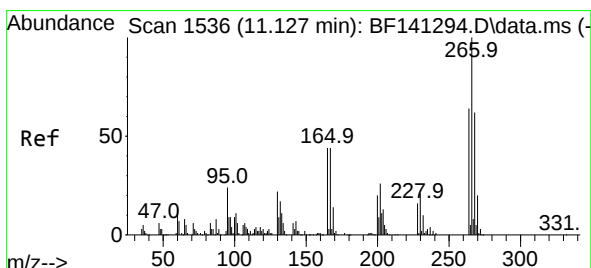
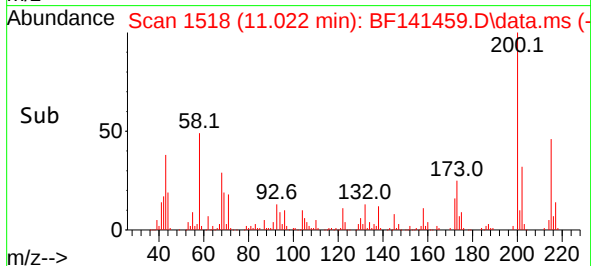
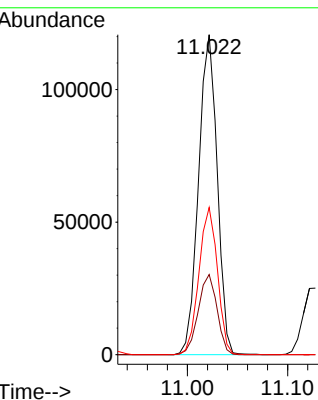
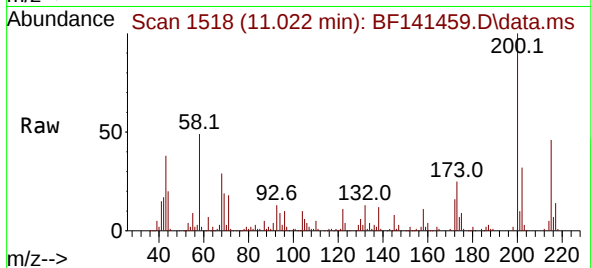
215 46.0 25.2 65.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#70

Pentachlorophenol

Concen: 96.064 ng

RT: 11.128 min Scan# 1536

Delta R.T. -0.006 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

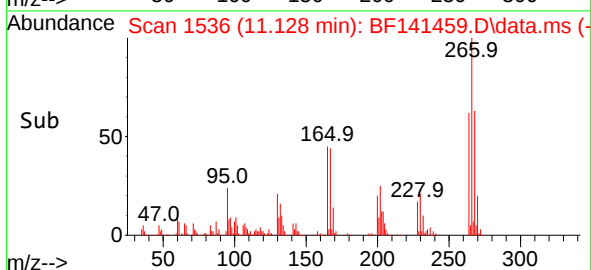
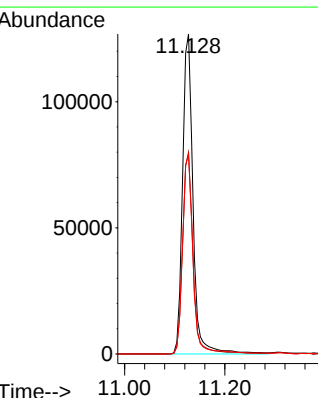
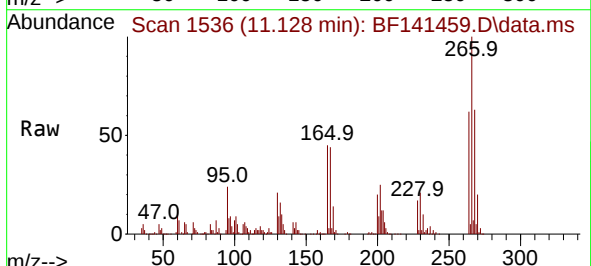
Tgt Ion:266 Resp: 183730

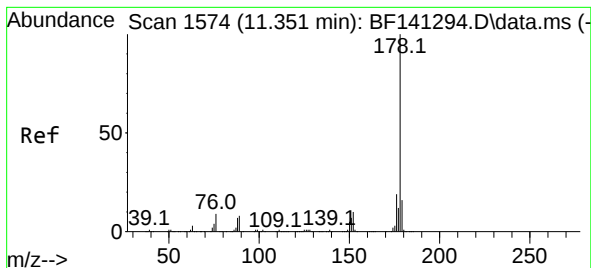
Ion Ratio Lower Upper

266 100

268 63.0 49.9 74.9

264 62.5 51.0 76.4





#71

Phenanthrene

Concen: 47.391 ng

RT: 11.339 min Scan# 1572

Delta R.T. -0.012 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

Instrument :

BNA_F

ClientSampleId :

72-11984MSD

Tgt Ion:178 Resp: 70063

Ion Ratio Lower Upper

178 100

176 19.2 15.3 22.9

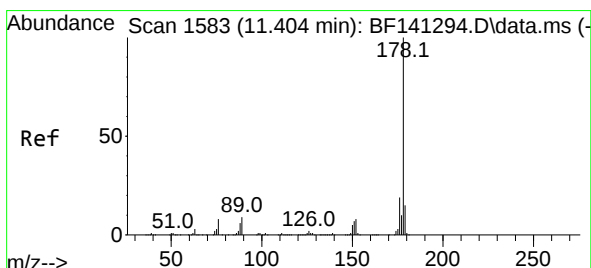
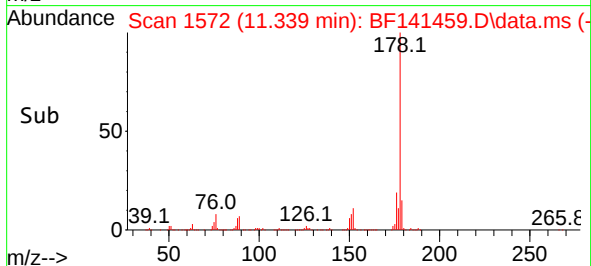
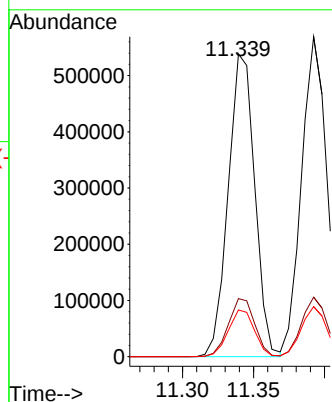
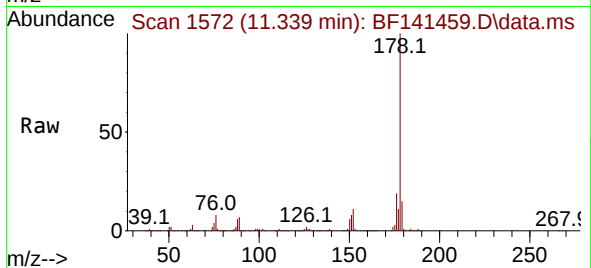
179 15.4 12.5 18.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#72

Anthracene

Concen: 48.617 ng

RT: 11.392 min Scan# 1581

Delta R.T. -0.012 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

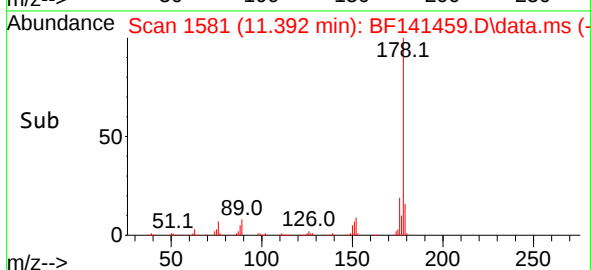
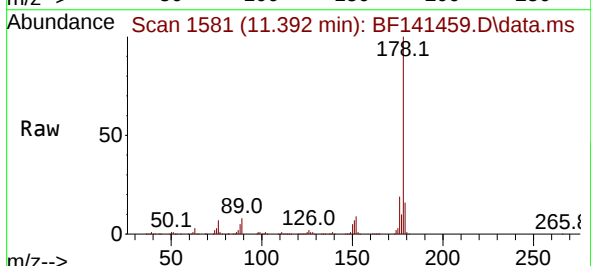
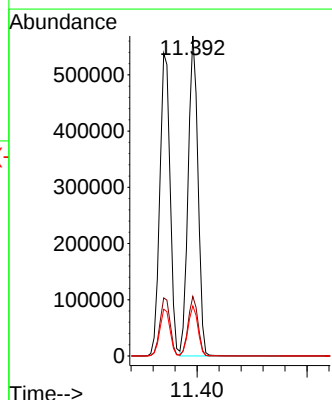
Tgt Ion:178 Resp: 704249

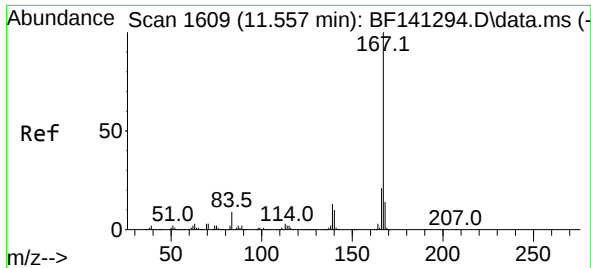
Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.6

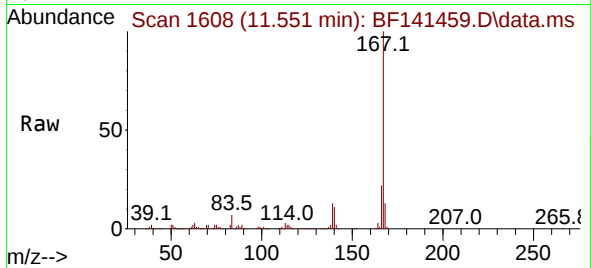
179 15.7 12.3 18.5





#73
Carbazole
Concen: 46.582 ng
RT: 11.551 min Scan# 1608
Delta R.T. -0.006 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

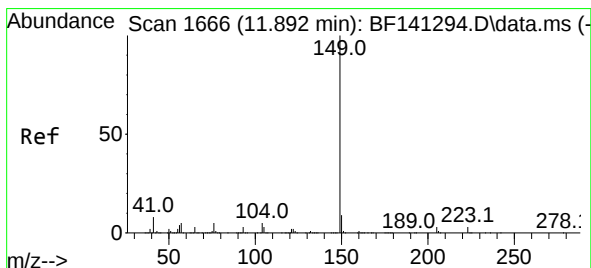
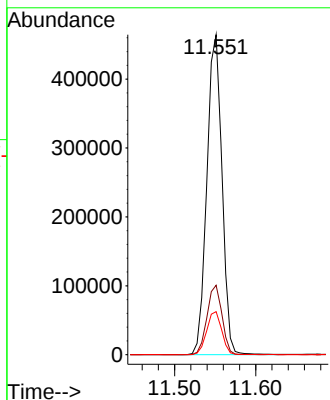
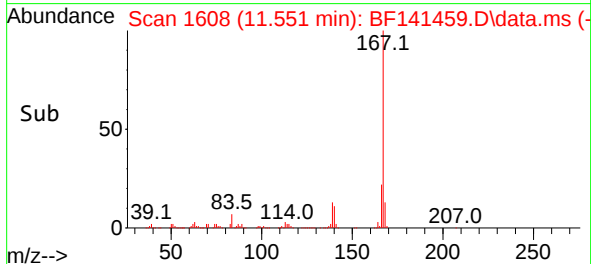
Instrument :
BNA_F
ClientSampleId :
72-11984MSD



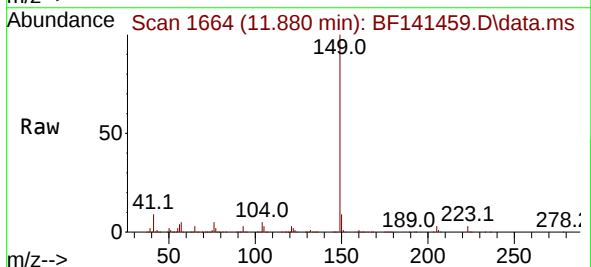
Tgt Ion:167 Resp: 598333
Ion Ratio Lower Upper
167 100
166 21.7 17.0 25.6
139 13.5 10.6 16.0

Manual Integrations
APPROVED

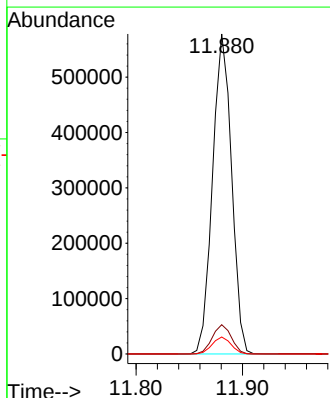
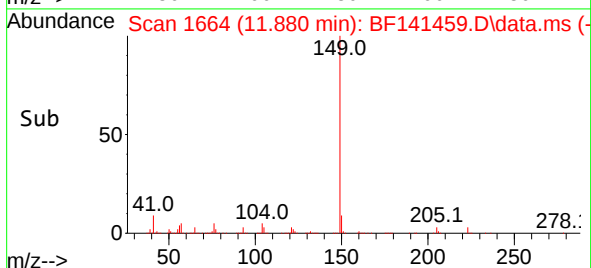
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#74
Di-n-butylphthalate
Concen: 46.079 ng
RT: 11.880 min Scan# 1664
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38



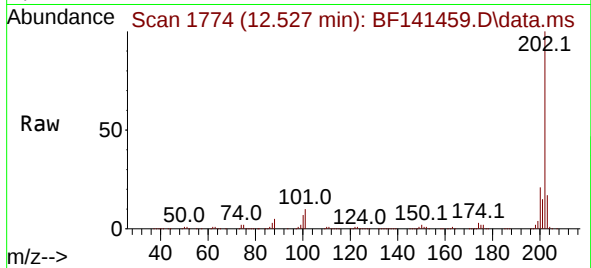
Tgt Ion:149 Resp: 717296
Ion Ratio Lower Upper
149 100
150 9.2 7.4 11.2
104 5.3 3.9 5.9





#75
Fluoranthene
Concen: 44.918 ng
RT: 12.527 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

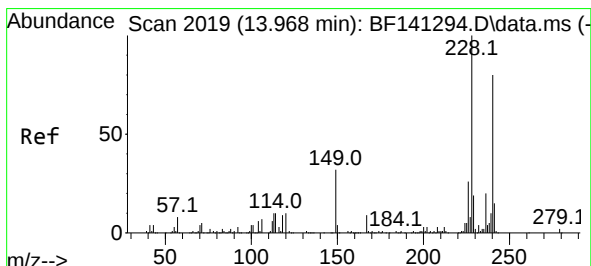
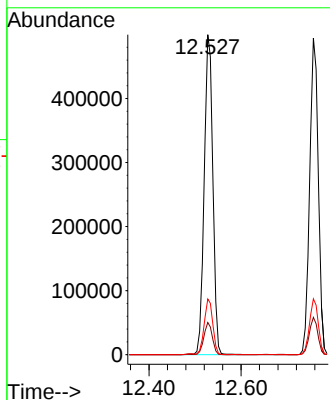
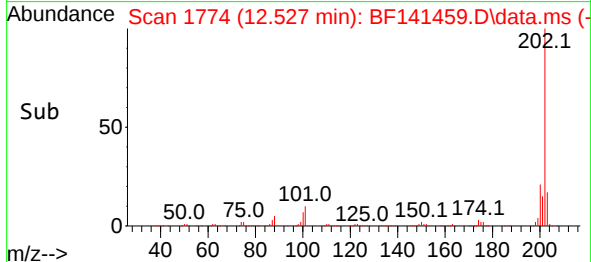
Instrument :
BNA_F
ClientSampleId :
72-11984MSD



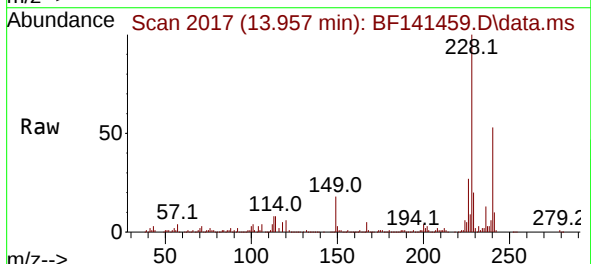
Tgt Ion:202 Resp: 655690
Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.7
203 17.4 0.0 37.5

Manual Integrations
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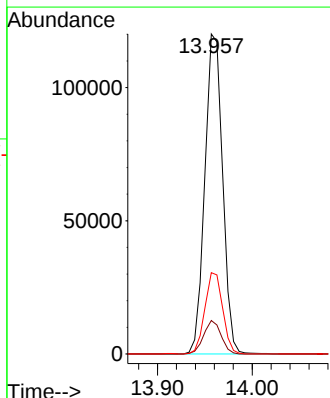
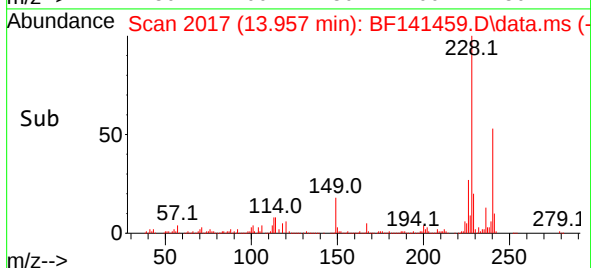
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

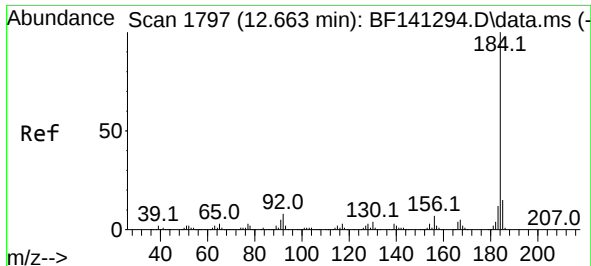


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38



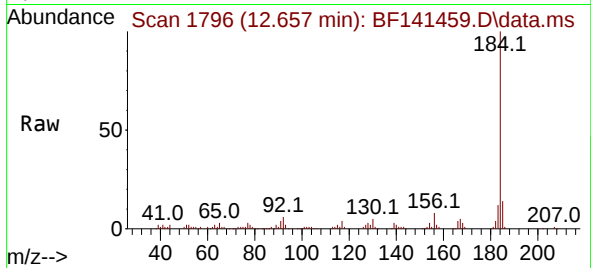
Tgt Ion:240 Resp: 156525
Ion Ratio Lower Upper
240 100
120 10.5 10.0 15.0
236 25.4 19.7 29.5





#77
Benzidine
Concen: 17.934 ng
RT: 12.657 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

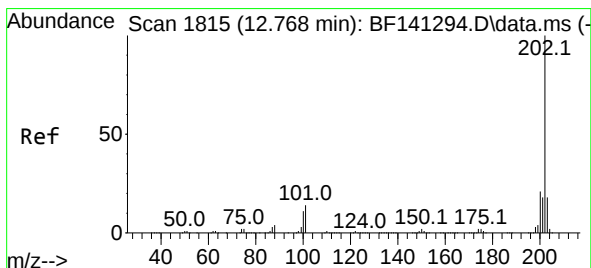
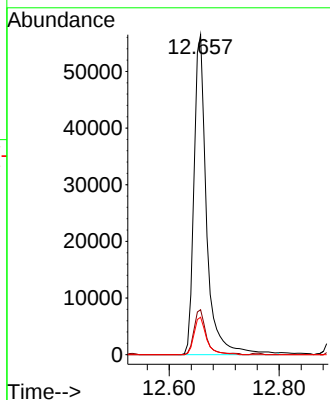
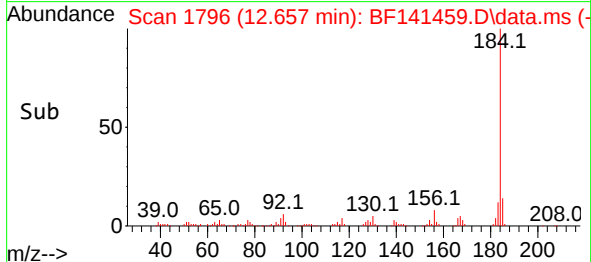
Instrument :
BNA_F
ClientSampleId :
72-11984MSD



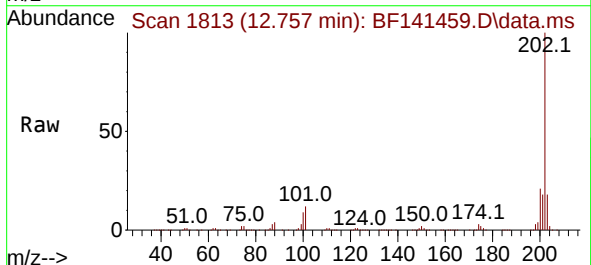
Tgt Ion:184 Resp: 89994
Ion Ratio Lower Upper
184 100
185 14.1 11.9 17.9
183 11.7 9.5 14.3

Manual Integrations
APPROVED

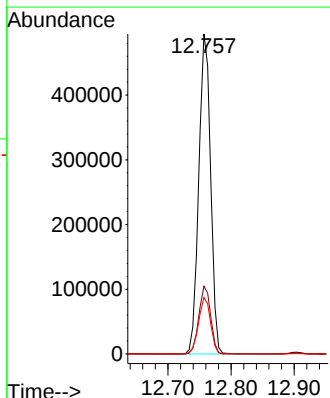
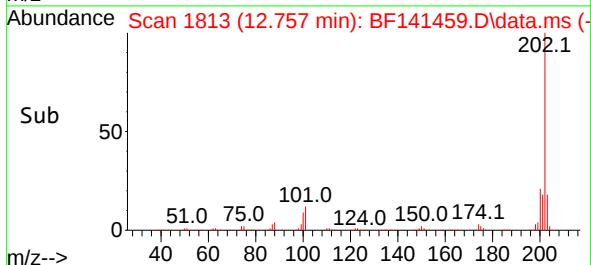
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

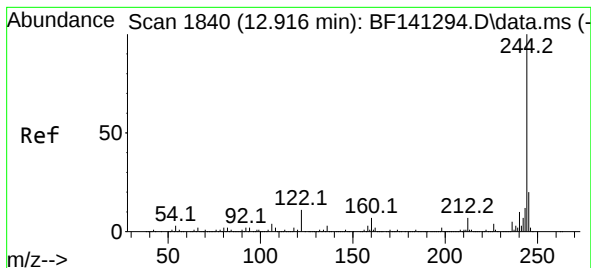


#78
Pyrene
Concen: 42.738 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38



Tgt Ion:202 Resp: 642133
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 17.7 14.3 21.5





#79

Terphenyl-d14

Concen: 95.891 ng

RT: 12.904 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

Instrument :

BNA_F

ClientSampleId :

72-11984MSD

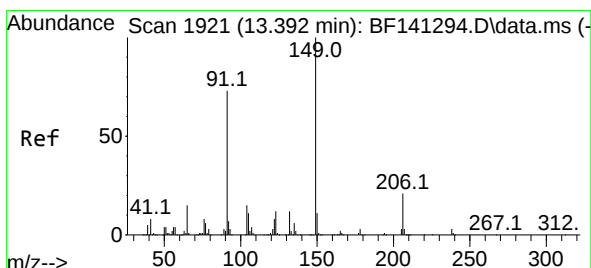
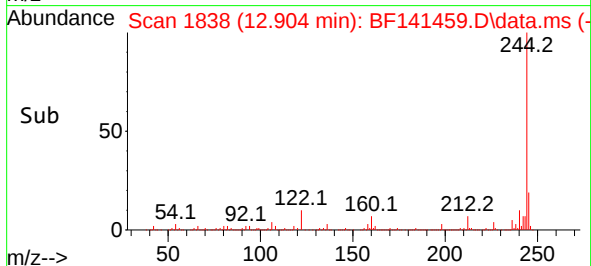
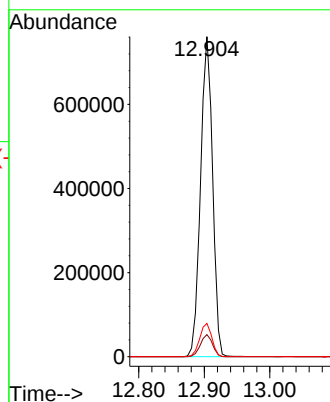
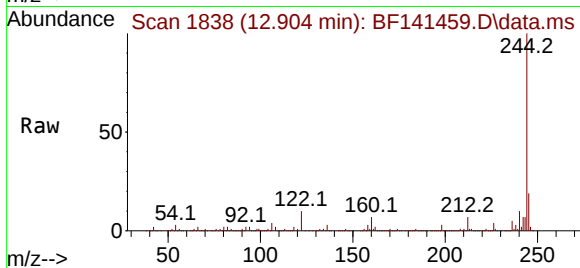
Tgt Ion:244 Resp: 97325

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	10.4	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#80

Butylbenzylphthalate

Concen: 44.013 ng

RT: 13.380 min Scan# 1919

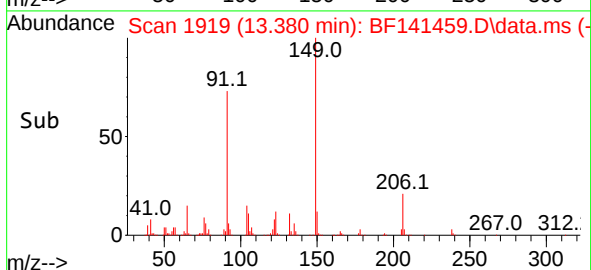
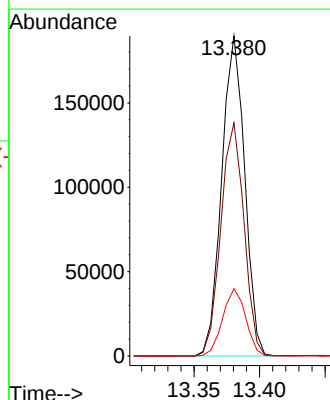
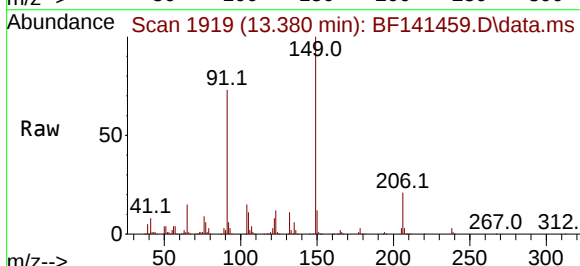
Delta R.T. -0.012 min

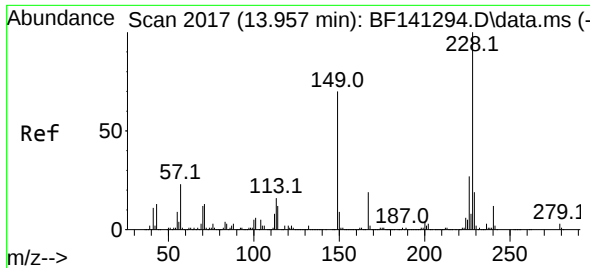
Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

Tgt Ion:149 Resp: 231026

Ion	Ratio	Lower	Upper
149	100		
91	72.8	58.6	87.8
206	21.0	16.7	25.1





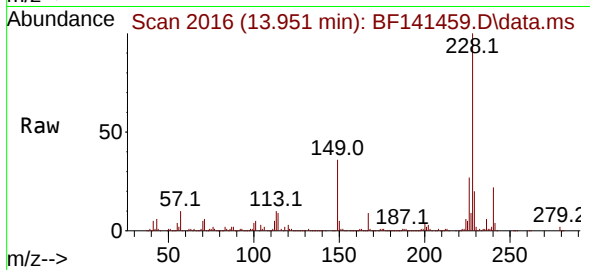
#81
Benzo(a)anthracene
Concen: 43.955 ng
RT: 13.951 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Instrument :

BNA_F

ClientSampleId :

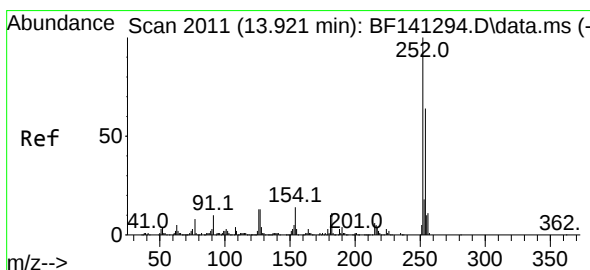
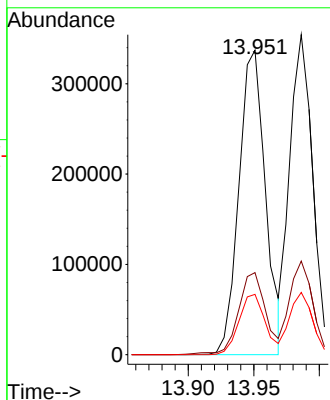
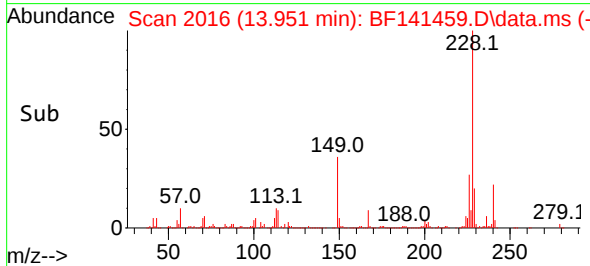
72-11984MSD



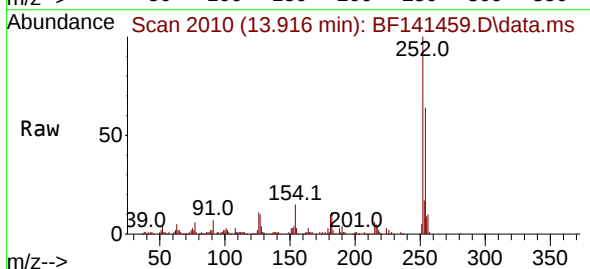
Tgt Ion:228 Resp: 47476
Ion Ratio Lower Upper
228 100
226 27.0 21.4 32.2
229 19.8 15.5 23.3

Manual Integrations
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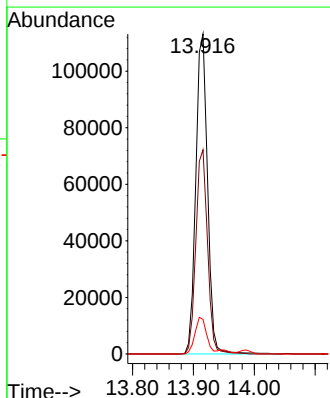
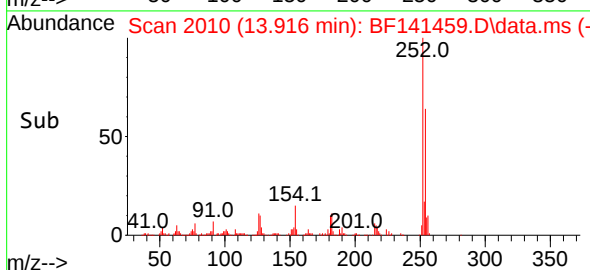
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#82
3,3'-Dichlorobenzidine
Concen: 44.048 ng
RT: 13.916 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38



Tgt Ion:252 Resp: 151317
Ion Ratio Lower Upper
252 100
254 63.8 51.3 76.9
126 10.8 10.0 15.0





#83

Chrysene

Concen: 43.704 ng

RT: 13.986 min Scan# 2014

Delta R.T. -0.012 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

Instrument :

BNA_F

ClientSampleId :

72-11984MSD

Tgt Ion:228 Resp: 43262

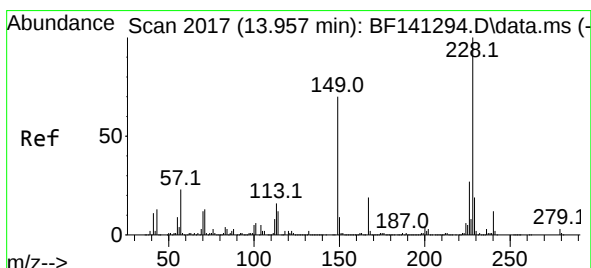
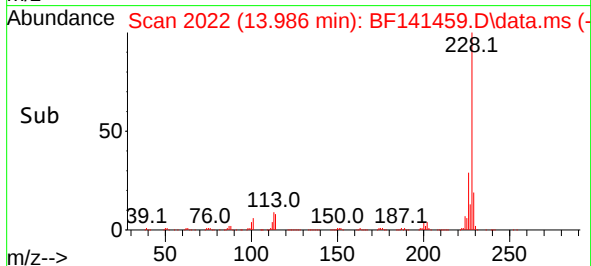
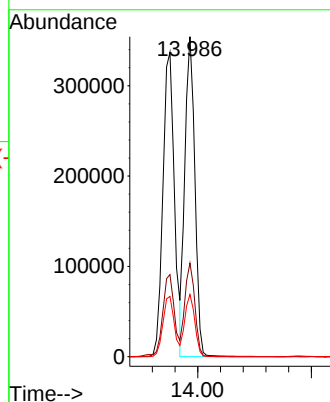
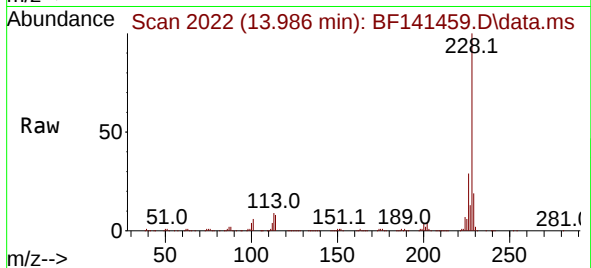
Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.1	36.1
229	19.5	15.6	23.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.702 ng

RT: 13.939 min Scan# 2014

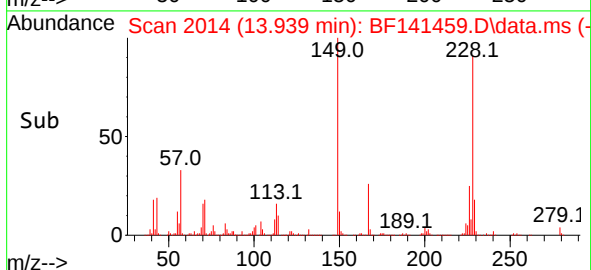
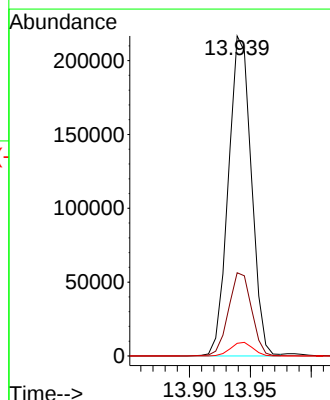
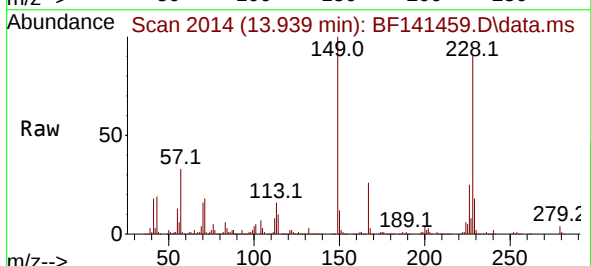
Delta R.T. -0.018 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

Tgt Ion:149 Resp: 284339

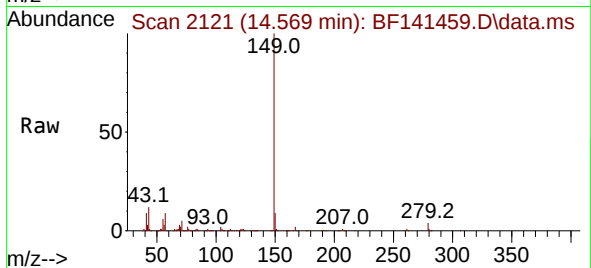
Ion	Ratio	Lower	Upper
149	100		
167	26.0	21.8	32.8
279	3.9	3.3	4.9





#85
Di-n-octyl phthalate
Concen: 41.027 ng
RT: 14.569 min Scan# 2121
Delta R.T. -0.018 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

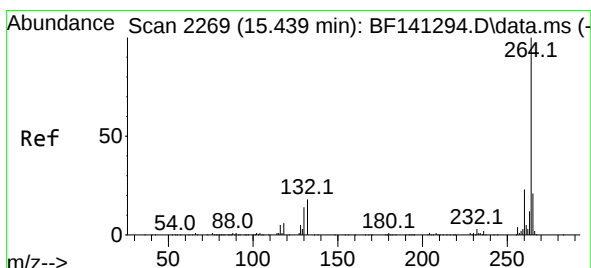
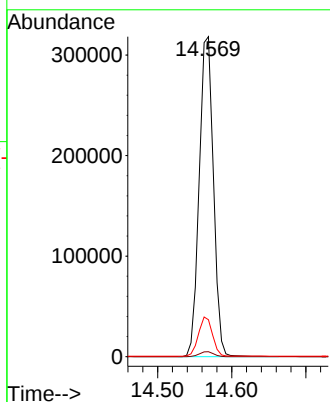
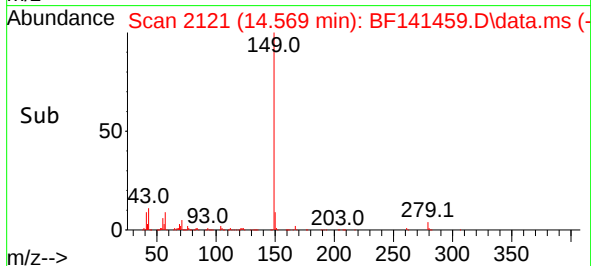
Instrument :
BNA_F
ClientSampleId :
72-11984MSD



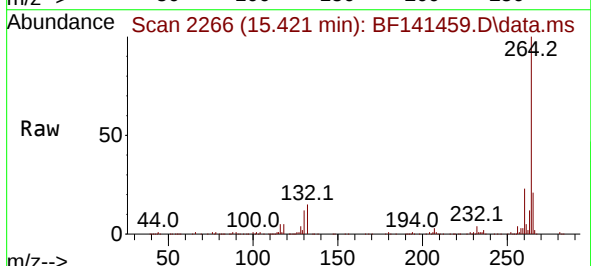
Tgt Ion:149 Resp: 42430
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 12.1 9.8 14.8

Manual Integrations
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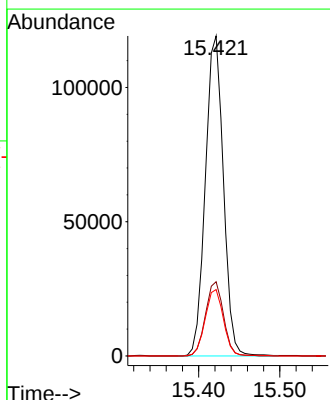
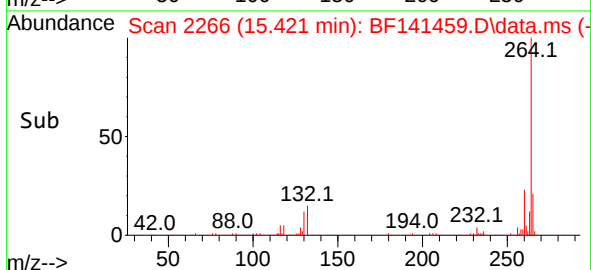
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

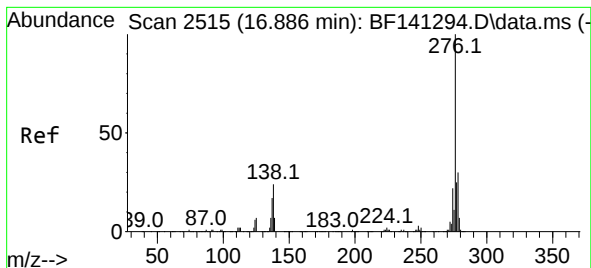


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38



Tgt Ion:264 Resp: 183585
Ion Ratio Lower Upper
264 100
260 23.2 18.6 27.8
265 20.7 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 43.187 ng

RT: 16.868 min Scan# 2117

Delta R.T. -0.029 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

Instrument :

BNA_F

ClientSampleId :

72-11984MSD

Tgt Ion:276 Resp: 511730

Ion Ratio Lower Upper

276 100

138 22.4 21.7 32.5

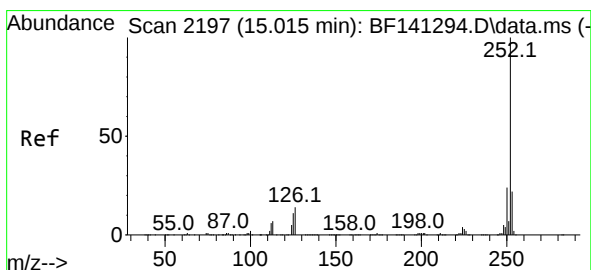
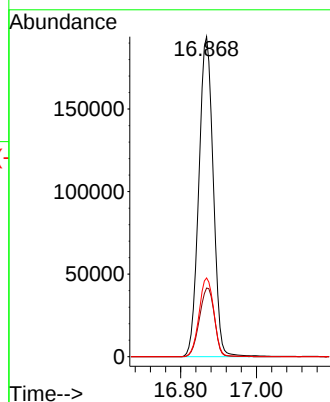
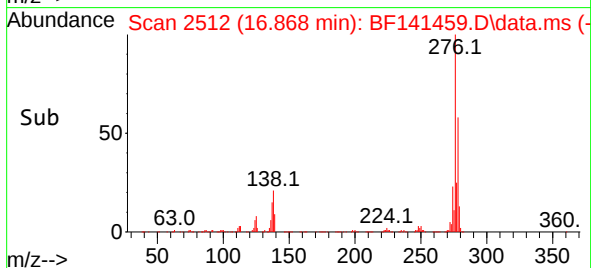
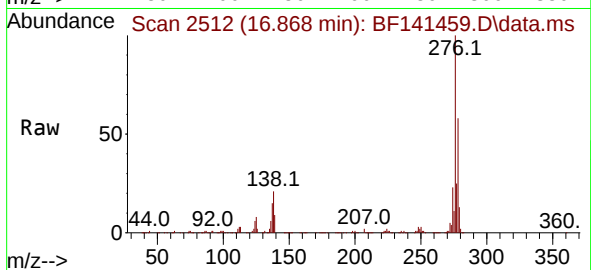
277 25.3 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#88

Benzo(b)fluoranthene

Concen: 44.070 ng

RT: 14.998 min Scan# 2194

Delta R.T. -0.024 min

Lab File: BF141459.D

Acq: 05 Feb 2025 20:38

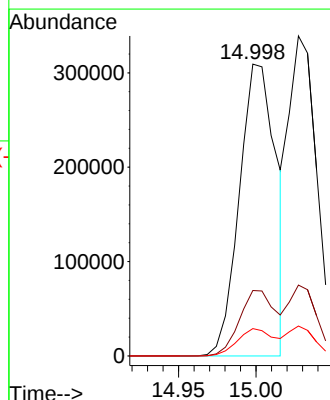
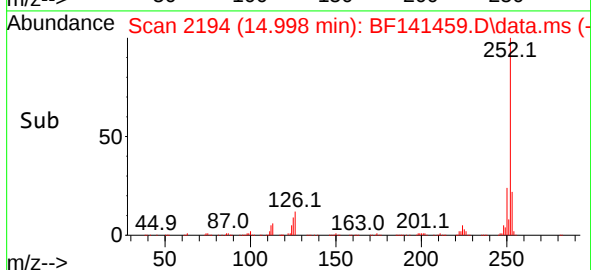
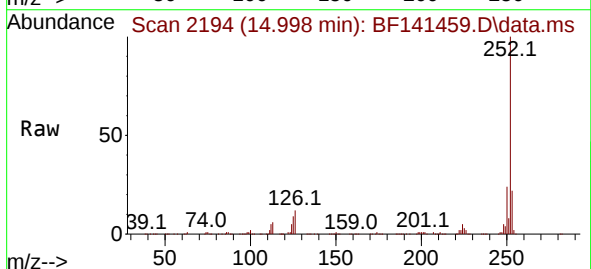
Tgt Ion:252 Resp: 508923

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.2

125 9.4 8.6 12.8





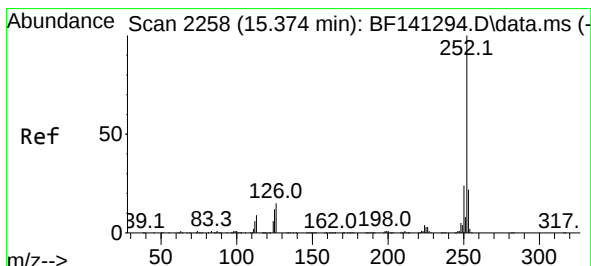
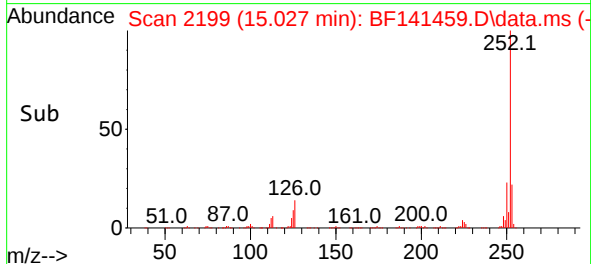
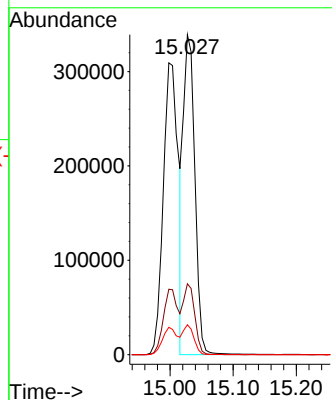
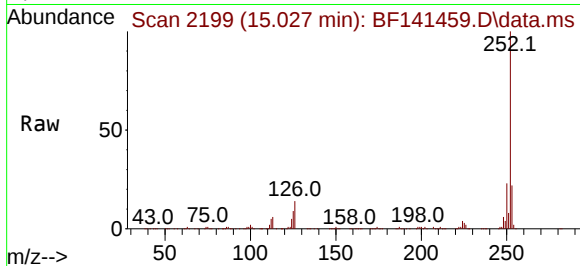
#89
Benzo(k)fluoranthene
Concen: 42.211 ng
RT: 15.027 min Scan# 2199
Delta R.T. -0.024 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Instrument :
BNA_F
ClientSampleId :
72-11984MSD

Tgt Ion:252 Resp: 431820
Ion Ratio Lower Upper
252 100
253 22.1 17.6 26.4
125 9.4 8.4 12.6

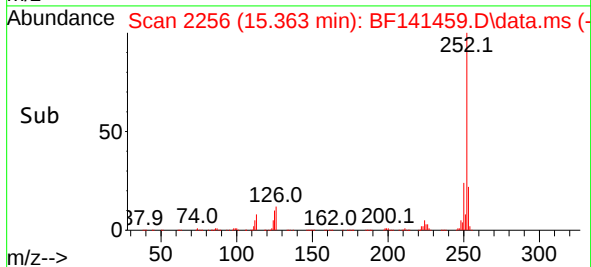
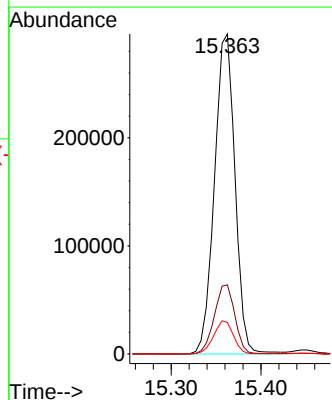
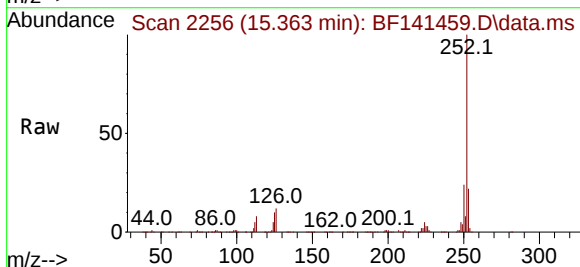
Manual Integrations
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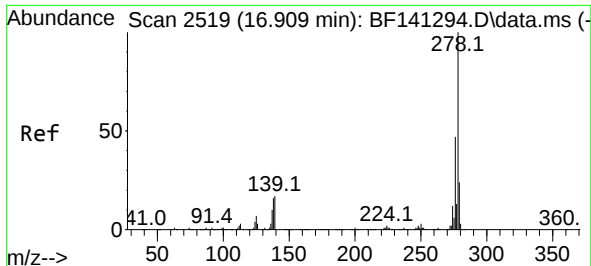
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#90
Benzo(a)pyrene
Concen: 48.148 ng
RT: 15.363 min Scan# 2256
Delta R.T. -0.018 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Tgt Ion:252 Resp: 469852
Ion Ratio Lower Upper
252 100
253 21.6 17.2 25.8
125 9.8 9.4 14.2





#91
Dibenzo(a,h)anthracene
Concen: 44.132 ng
RT: 16.886 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Instrument :

BNA_F

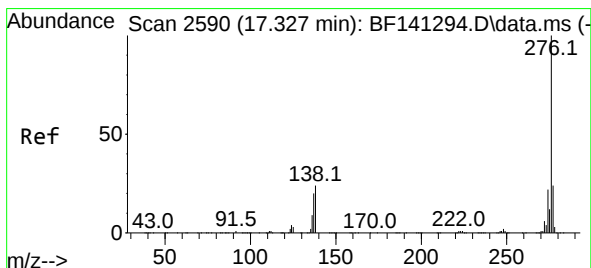
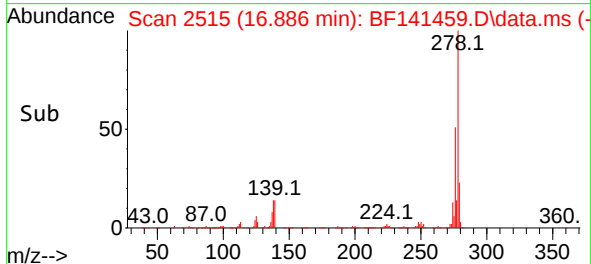
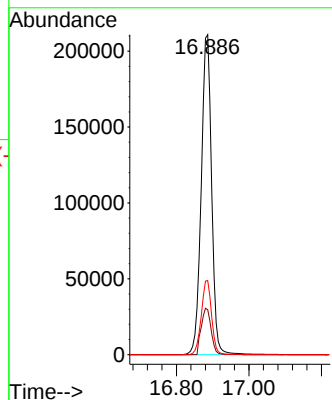
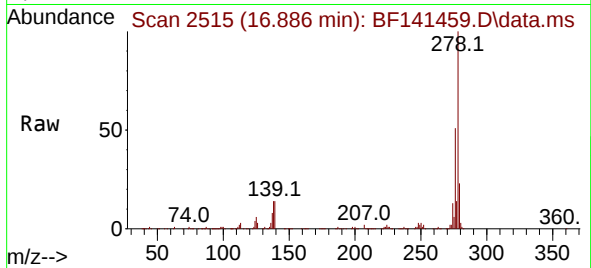
ClientSampleId :

72-11984MSD

Tgt Ion:278 Resp: 42071
Ion Ratio Lower Upper
278 100
139 14.0 13.9 20.9
279 23.1 18.8 28.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#92
Benzo(g,h,i)perylene
Concen: 36.999 ng
RT: 17.298 min Scan# 2585
Delta R.T. -0.047 min
Lab File: BF141459.D
Acq: 05 Feb 2025 20:38

Tgt Ion:276 Resp: 366746
Ion Ratio Lower Upper
276 100
277 23.1 19.2 28.8
138 19.5 19.0 28.4

