

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081723\
 Data File : BF134822.D
 Acq On : 17 Aug 2023 17:52
 Operator : CG\JU
 Sample : 04043-01MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E-4MS

Quant Time: Aug 18 01:06:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	154494	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	620618	20.000	ng	# 0.00
39) Acenaphthene-d10	9.827	164	309499	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	528877	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	277333	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	379090	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	749022	73.698	ng	0.00
7) Phenol-d6	6.434	99	943724	72.639	ng	0.00
23) Nitrobenzene-d5	7.357	82	579646	58.367	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	261724	82.954	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1034603	55.581	ng	-0.01
79) Terphenyl-d14	12.910	244	895496	56.922	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.622	88	177695	38.000	ng	# 93
3) Pyridine	3.369	79	447432	35.311	ng	90
4) n-Nitrosodimethylamine	3.346	42	230518	38.074	ng	# 63
6) Aniline	6.463	93	510829	29.977	ng	91
8) 2-Chlorophenol	6.581	128	482028	47.016	ng	95
9) Benzaldehyde	6.345	77	202021	29.294	ng	98
10) Phenol	6.445	94	573638	44.805	ng	84
11) bis(2-Chloroethyl)ether	6.534	93	441466	43.406	ng	93
12) 1,3-Dichlorobenzene	6.734	146	489813	46.176	ng	97
13) 1,4-Dichlorobenzene	6.810	146	498716	46.911	ng	98
14) 1,2-Dichlorobenzene	6.963	146	478455	48.303	ng	97
15) Benzyl Alcohol	6.939	79	397547	44.355	ng	93
16) 2,2'-oxybis(1-Chloropr...	7.075	45	676516	42.457	ng	90
17) 2-Methylphenol	7.051	107	374464	41.333	ng	93
18) Hexachloroethane	7.304	117	180687	48.426	ng	92
19) n-Nitroso-di-n-propyla...	7.210	70	302956	38.947	ng	92
20) 3+4-Methylphenols	7.204	107	429711	39.329	ng	# 85
22) Acetophenone	7.204	105	581519	40.588	ng	# 94
24) Nitrobenzene	7.375	77	483492	45.064	ng	97
25) Isophorone	7.616	82	889825	41.080	ng	99
26) 2-Nitrophenol	7.692	139	252119	54.502	ng	# 89
27) 2,4-Dimethylphenol	7.734	122	385577	39.895	ng	85
28) bis(2-Chloroethoxy)met...	7.828	93	542648	41.880	ng	100
29) 2,4-Dichlorophenol	7.934	162	388747	44.317	ng	97
30) 1,2,4-Trichlorobenzene	8.016	180	425331	45.470	ng	96
31) Naphthalene	8.098	128	1316406	42.205	ng	99
32) Benzoic acid	7.863	122	289711	46.288	ng	92
33) 4-Chloroaniline	8.145	127	234441	16.869	ng	97
34) Hexachlorobutadiene	8.210	225	247939	45.952	ng	96
35) Caprolactam	8.516	113	76227	26.935	ng	92
36) 4-Chloro-3-methylphenol	8.633	107	401903	43.263	ng	91
37) 2-Methylnaphthalene	8.786	142	839692	40.615	ng	99
38) 1-Methylnaphthalene	8.886	142	799788	41.601	ng	98
40) 1,2,4,5-Tetrachloroben...	8.951	216	414142	46.016	ng	99
41) Hexachlorocyclopentadiene	8.939	237	392907	89.775	ng	91
43) 2,4,6-Trichlorophenol	9.069	196	273077	46.362	ng	96

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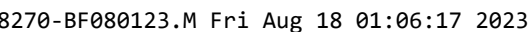
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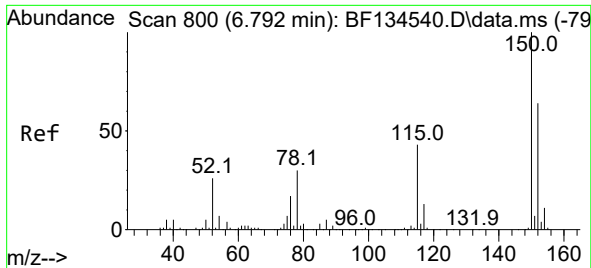
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.104	196	292577	43.461	ng	94
46) 1,1'-Biphenyl	9.251	154	1049148	43.592	ng	98
47) 2-Chloronaphthalene	9.275	162	802913	44.523	ng	99
48) 2-Nitroaniline	9.375	65	246956	44.193	ng	93
49) Acenaphthylene	9.692	152	1221534	43.092	ng	99
50) Dimethylphthalate	9.557	163	928948	44.037	ng	98
51) 2,6-Dinitrotoluene	9.622	165	208570	48.243	ng	# 78
52) Acenaphthene	9.863	154	742272	40.406	ng	98
53) 3-Nitroaniline	9.786	138	145397	30.924	ng	98
54) 2,4-Dinitrophenol	9.898	184	205760	105.557	ng	90
55) Dibenzofuran	10.039	168	1083187	41.420	ng	95
56) 4-Nitrophenol	9.957	139	307012	79.838	ng	# 75
57) 2,4-Dinitrotoluene	10.027	165	264495	50.508	ng	# 84
58) Fluorene	10.380	166	807568	42.396	ng	95
59) 2,3,4,6-Tetrachlorophenol	10.157	232	245381	46.073	ng	97
60) Diethylphthalate	10.257	149	853772	42.700	ng	97
61) 4-Chlorophenyl-phenyle...	10.375	204	406409	43.407	ng	94
62) 4-Nitroaniline	10.404	138	194813	42.273	ng	86
63) Azobenzene	10.533	77	854122	39.759	ng	97
65) 4,6-Dinitro-2-methylph...	10.433	198	142669	63.346	ng	85
66) n-Nitrosodiphenylamine	10.498	169	744253	44.212	ng	99
67) 4-Bromophenyl-phenylether	10.863	248	267375	46.182	ng	99
68) Hexachlorobenzene	10.927	284	298387	48.807	ng	97
69) Atrazine	11.027	200	237964	52.447	ng	97
70) Pentachlorophenol	11.122	266	274305	72.465	ng	95
71) Phenanthrene	11.345	178	1192650	42.455	ng	100
72) Anthracene	11.398	178	1205555	42.014	ng	99
73) Carbazole	11.551	167	982240	38.338	ng	99
74) Di-n-butylphthalate	11.886	149	1194267	43.876	ng	99
75) Fluoranthene	12.533	202	1064867	35.886	ng	96
77) Benzidine	12.663	184	319557	53.080	ng	98
78) Pyrene	12.768	202	1054434	43.938	ng	98
80) Butylbenzylphthalate	13.392	149	369229	45.501	ng	95
81) Benzo(a)anthracene	13.963	228	797475	40.214	ng	99
82) 3,3'-Dichlorobenzidine	13.927	252	246440	42.873	ng	99
83) Chrysene	13.998	228	791160	40.950	ng	100
84) Bis(2-ethylhexyl)phtha...	13.957	149	451390	47.268	ng	99
85) Di-n-octyl phthalate	14.574	149	928774	63.956	ng	99
87) Indeno(1,2,3-cd)pyrene	16.933	276	1209935	54.269	ng	# 92
88) Benzo(b)fluoranthene	15.009	252	1019404	44.091	ng	# 97
89) Benzo(k)fluoranthene	15.039	252	875680	38.021	ng	# 98
90) Benzo(a)pyrene	15.380	252	887060	41.150	ng	# 96
91) Dibenzo(a,h)anthracene	16.956	278	981436	54.470	ng	# 96
92) Benzo(g,h,i)perylene	17.392	276	975384	53.069	ng	# 92

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

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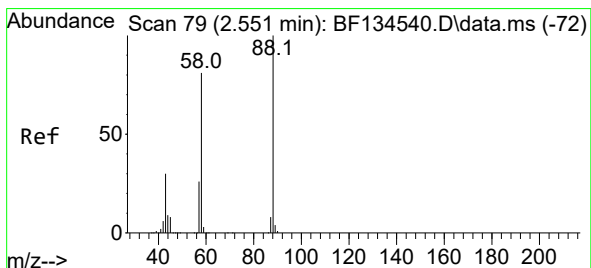
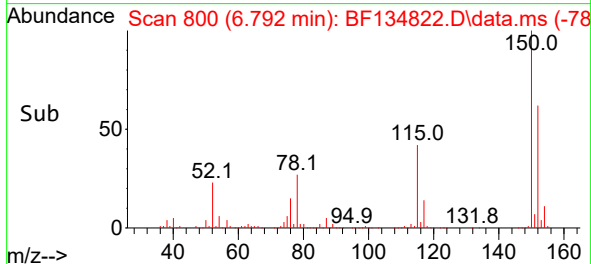
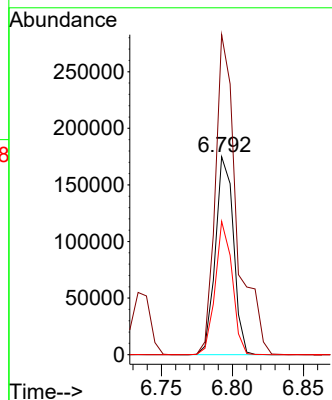
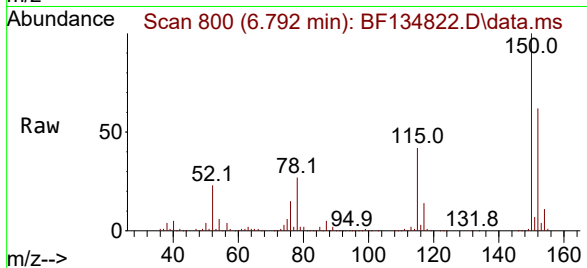




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.792 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: BF134822.D
 Acq: 17 Aug 2023 17:52

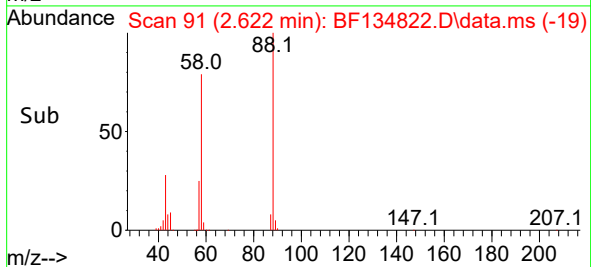
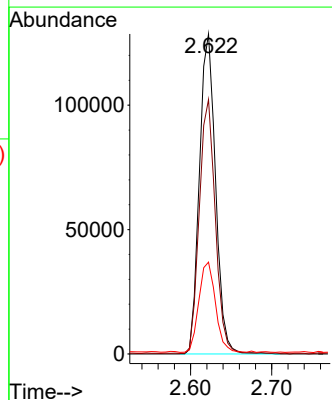
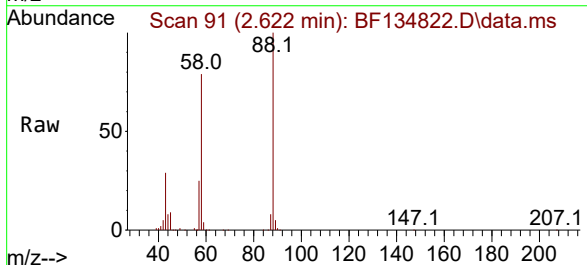
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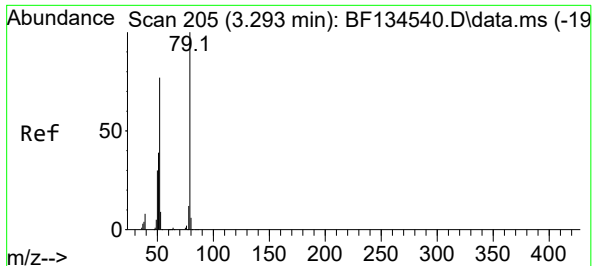
Tgt Ion:152 Resp: 154494
 Ion Ratio Lower Upper
 152 100
 150 161.7 128.3 192.5
 115 67.3 52.4 78.6



#2
 1,4-Dioxane
 Concen: 38.000 ng
 RT: 2.622 min Scan# 91
 Delta R.T. 0.071 min
 Lab File: BF134822.D
 Acq: 17 Aug 2023 17:52

Tgt Ion: 88 Resp: 177695
 Ion Ratio Lower Upper
 88 100
 58 78.9 65.1 97.7
 43 29.1 30.3 45.5

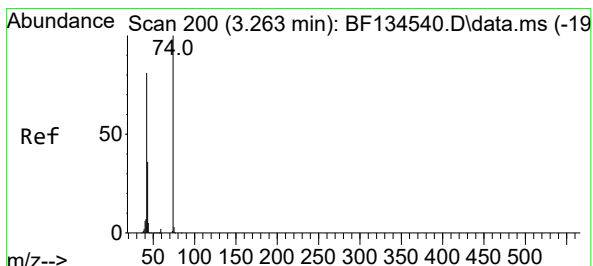
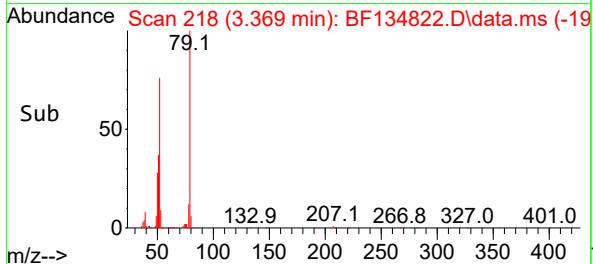
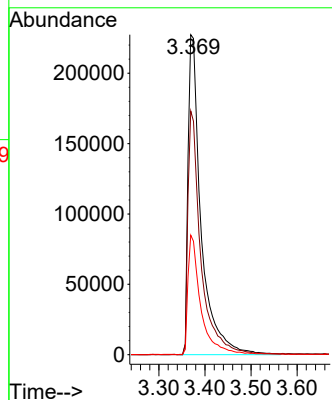
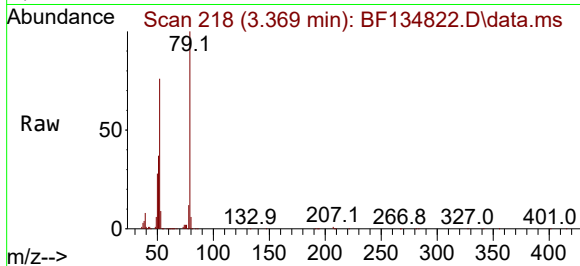




#3
Pyridine
Concen: 35.311 ng
RT: 3.369 min Scan# 21
Delta R.T. 0.065 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

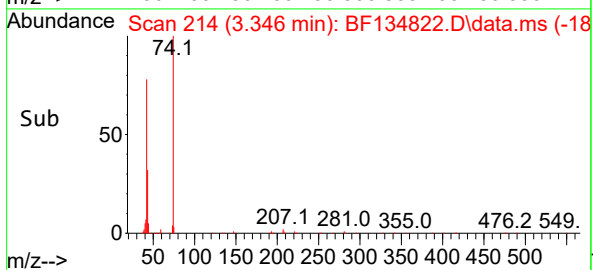
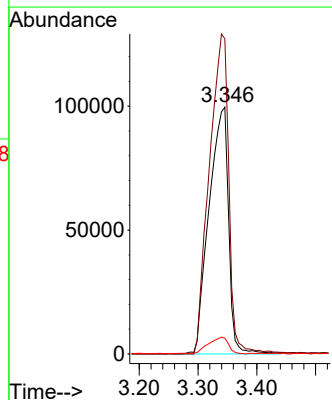
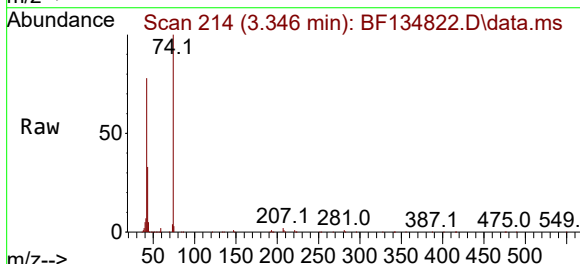
Instrument :
BNA_F
ClientSampleId :
E-4MS

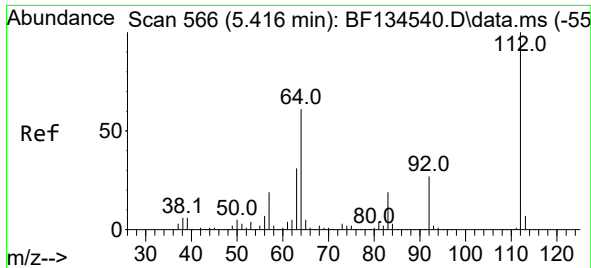
Tgt Ion: 79 Resp: 447432
Ion Ratio Lower Upper
79 100
52 76.2 66.6 100.0
51 37.3 36.5 54.7



#4
n-Nitrosodimethylamine
Concen: 38.074 ng
RT: 3.346 min Scan# 214
Delta R.T. 0.065 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

Tgt Ion: 42 Resp: 230518
Ion Ratio Lower Upper
42 100
74 127.7 72.2 108.4#
44 6.4 5.4 8.0

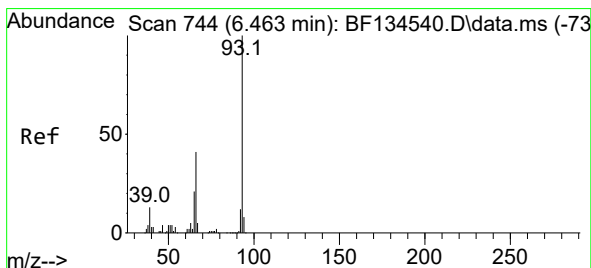
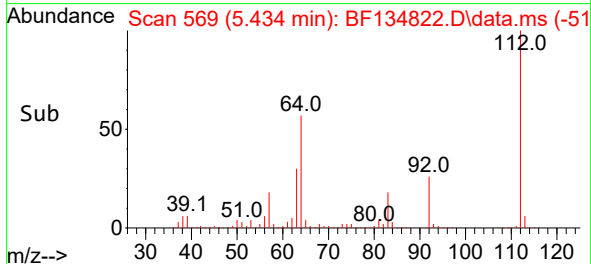
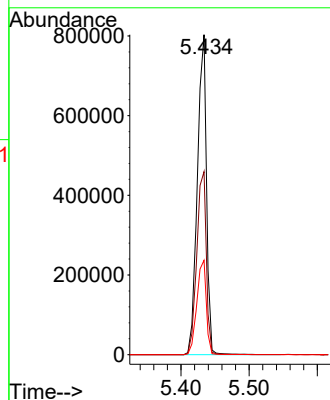
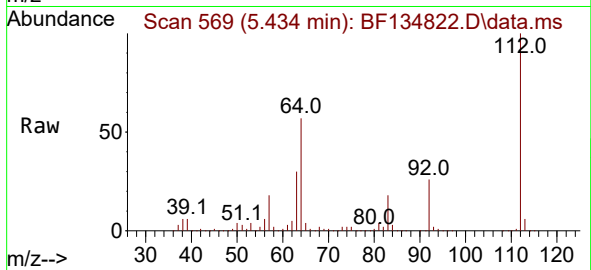




#5
2-Fluorophenol
Concen: 73.698 ng
RT: 5.434 min Scan# 509
Delta R.T. 0.006 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

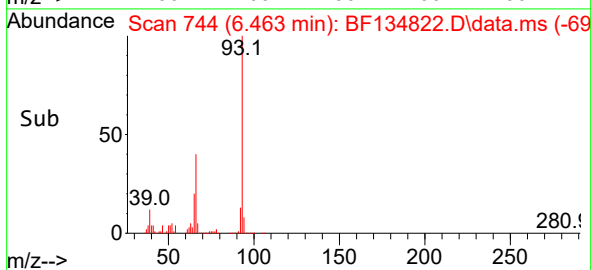
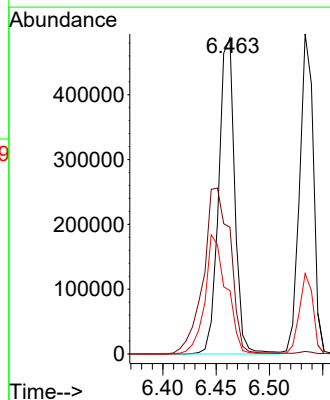
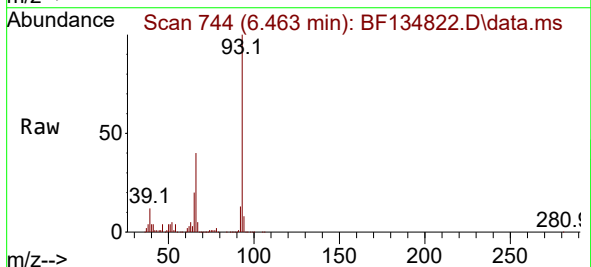
Instrument :
BNA_F
ClientSampleId :
E-4MS

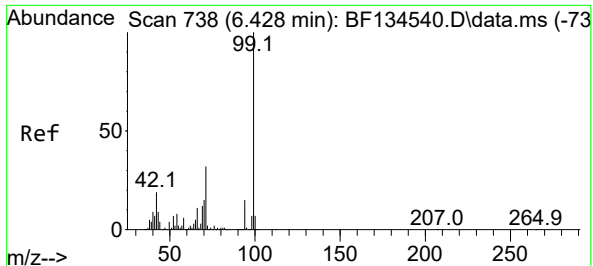
Tgt Ion:112 Resp: 749022
Ion Ratio Lower Upper
112 100
64 57.2 44.9 67.3
63 29.5 25.4 38.0



#6
Aniline
Concen: 29.977 ng
RT: 6.463 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

Tgt Ion: 93 Resp: 510829
Ion Ratio Lower Upper
93 100
66 40.1 36.8 55.2
65 20.0 19.4 29.0





#7

Phenol-d6

Concen: 72.639 ng

RT: 6.434 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF134822.D

Acq: 17 Aug 2023 17:52

Instrument :

BNA_F

ClientSampleId :

E-4MS

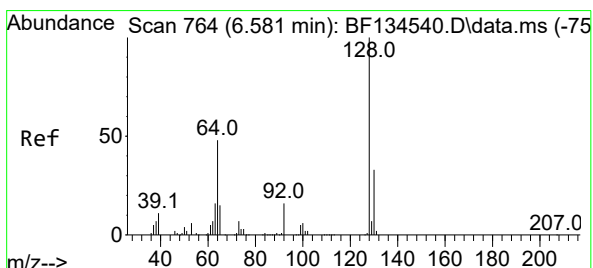
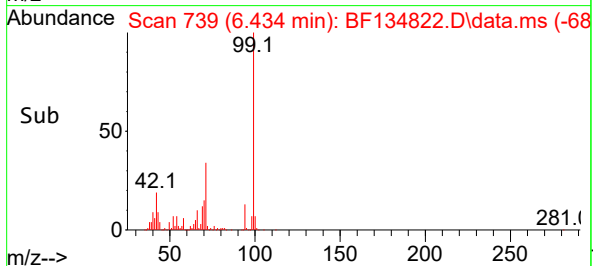
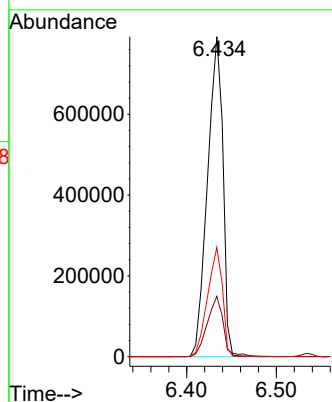
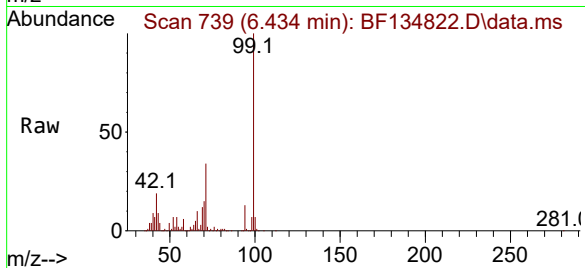
Tgt Ion: 99 Resp: 943724

Ion Ratio Lower Upper

99 100

42 18.9 18.7 28.1

71 34.1 36.4 54.6#



#8

2-Chlorophenol

Concen: 47.016 ng

RT: 6.581 min Scan# 764

Delta R.T. -0.006 min

Lab File: BF134822.D

Acq: 17 Aug 2023 17:52

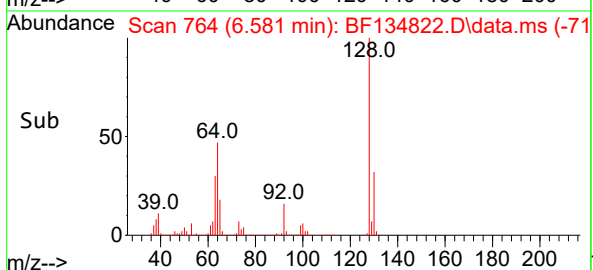
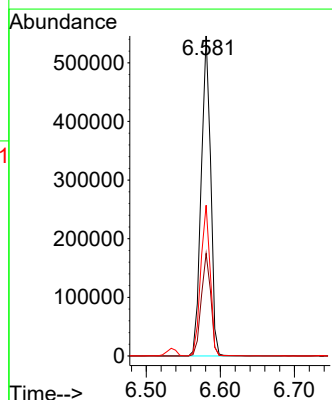
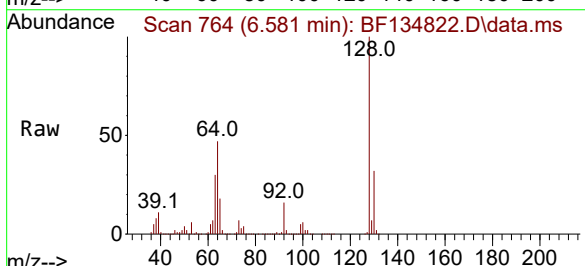
Tgt Ion: 128 Resp: 482028

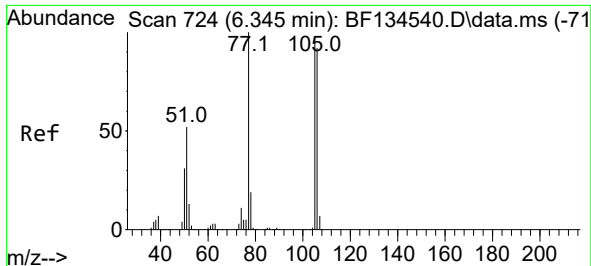
Ion Ratio Lower Upper

128 100

130 32.1 11.1 51.1

64 47.1 31.9 71.9

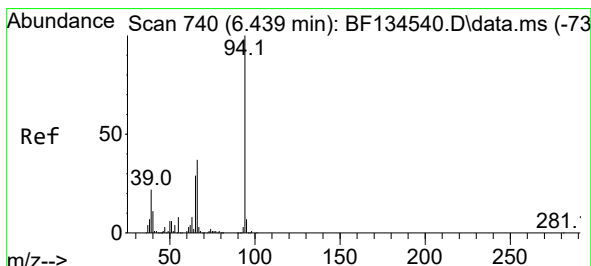
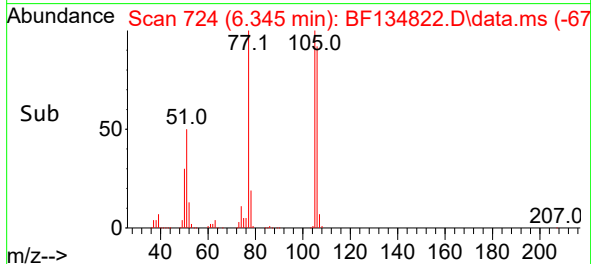
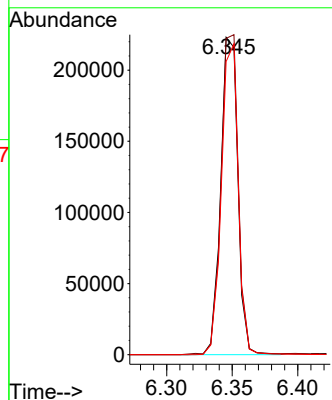
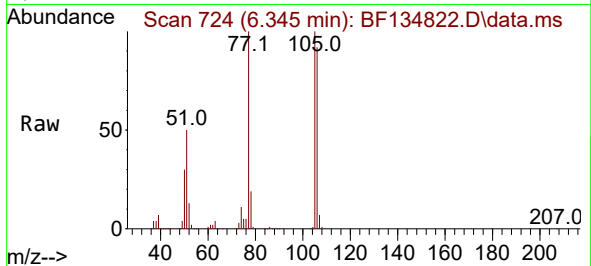




#9
Benzaldehyde
Concen: 29.294 ng
RT: 6.345 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134822.D
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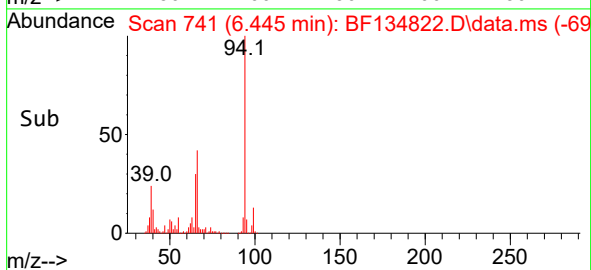
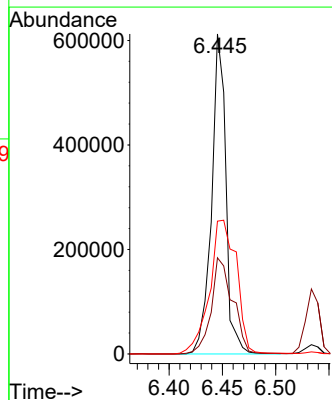
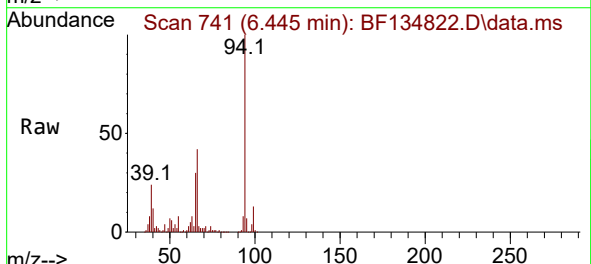
Instrument :
BNA_F
ClientSampleId :
E-4MS

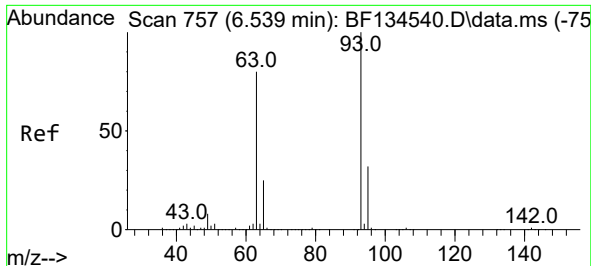
Tgt Ion: 77 Resp: 202021
Ion Ratio Lower Upper
77 100
105 99.7 77.1 117.1
106 92.3 71.4 111.4



#10
Phenol
Concen: 44.805 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

Tgt Ion: 94 Resp: 573638
Ion Ratio Lower Upper
94 100
65 30.0 17.8 57.8
66 41.5 35.2 75.2

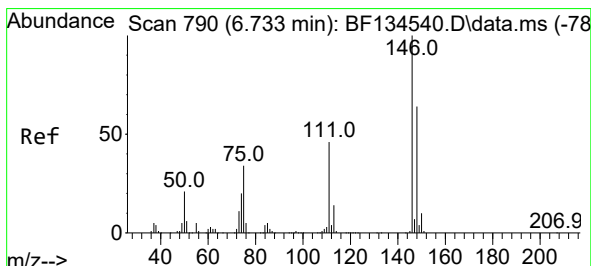
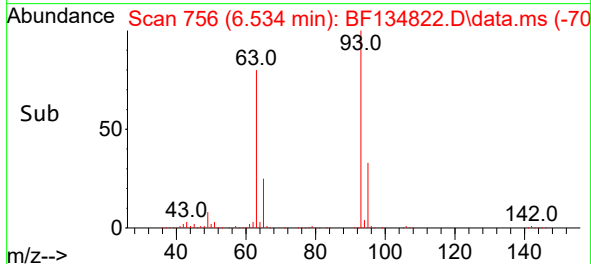
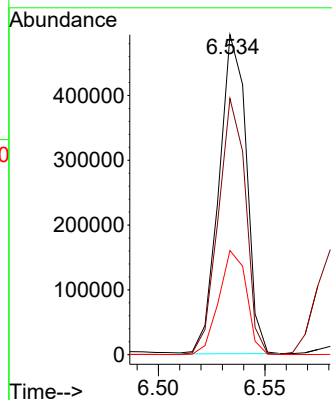
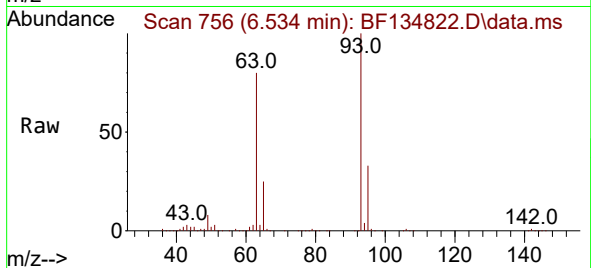




#11
bis(2-Chloroethyl)ether
Concen: 43.406 ng
RT: 6.534 min Scan# 757
Delta R.T. -0.012 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

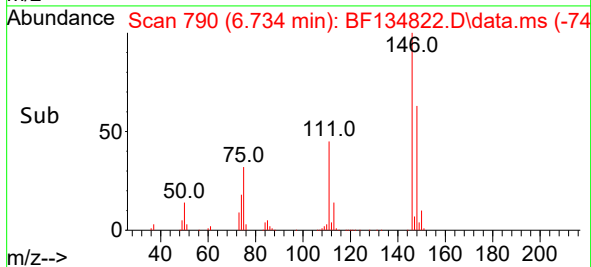
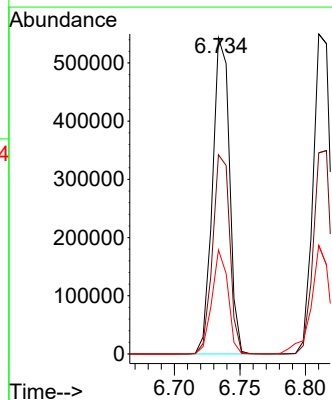
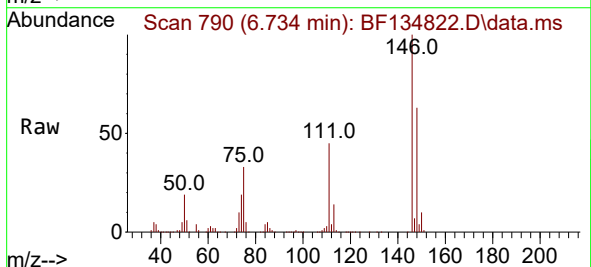
Instrument :
BNA_F
ClientSampleId :
E-4MS

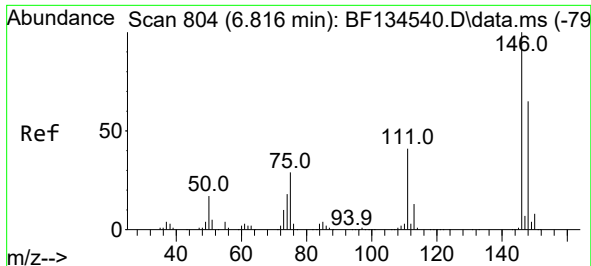
Tgt Ion: 93 Resp: 441466
Ion Ratio Lower Upper
93 100
63 80.0 68.4 108.4
95 32.5 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 46.176 ng
RT: 6.734 min Scan# 790
Delta R.T. -0.006 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

Tgt Ion: 146 Resp: 489813
Ion Ratio Lower Upper
146 100
148 63.0 49.7 74.5
75 32.9 29.5 44.3

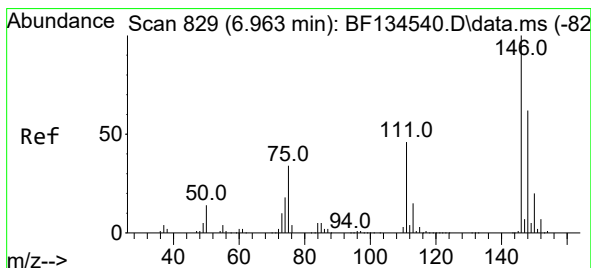
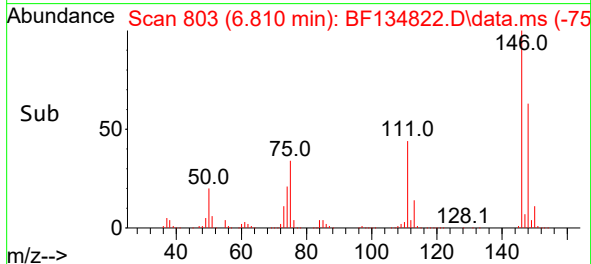
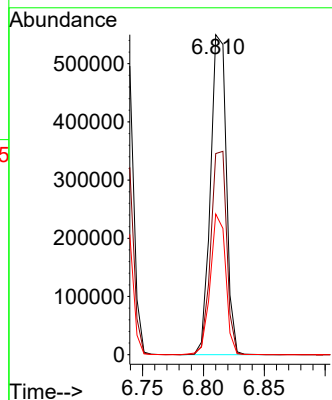
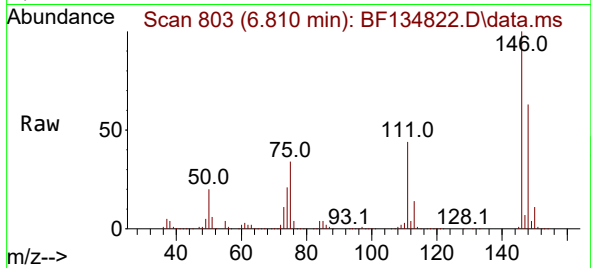




#13
1,4-Dichlorobenzene
Concen: 46.911 ng
RT: 6.810 min Scan# 804
Delta R.T. -0.006 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

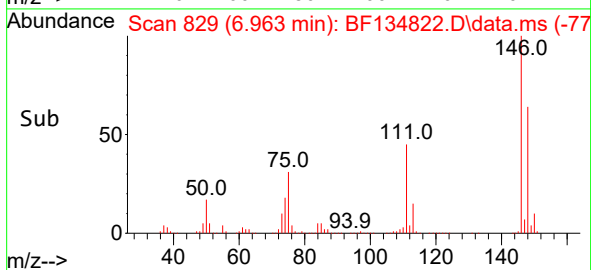
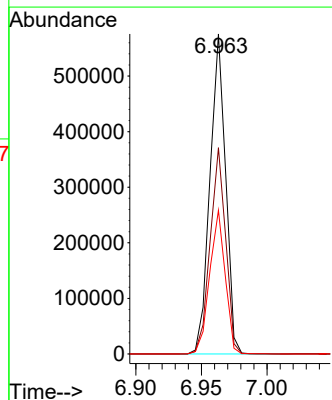
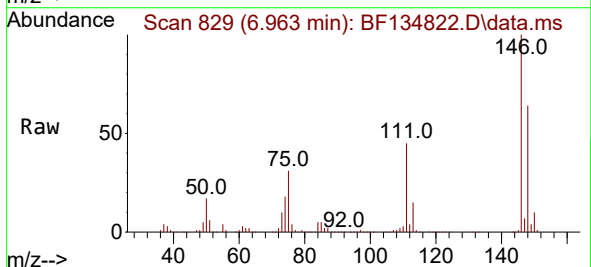
Instrument :
BNA_F
ClientSampleId :
E-4MS

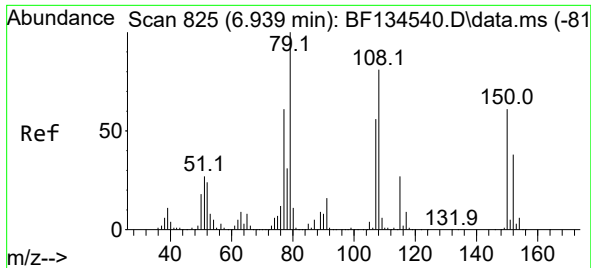
Tgt Ion:146 Resp: 498716
Ion Ratio Lower Upper
146 100
148 62.8 51.3 76.9
111 44.0 36.6 55.0



#14
1,2-Dichlorobenzene
Concen: 48.303 ng
RT: 6.963 min Scan# 829
Delta R.T. -0.006 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

Tgt Ion:146 Resp: 478455
Ion Ratio Lower Upper
146 100
148 64.4 51.2 76.8
111 44.9 39.9 59.9

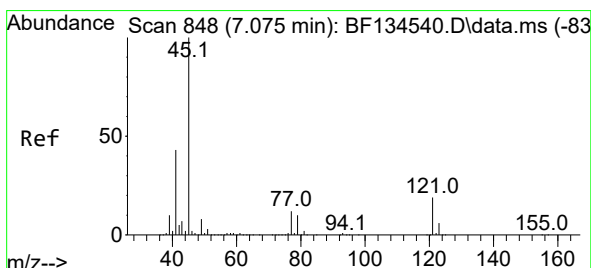
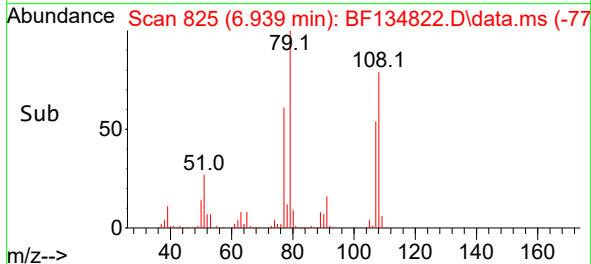
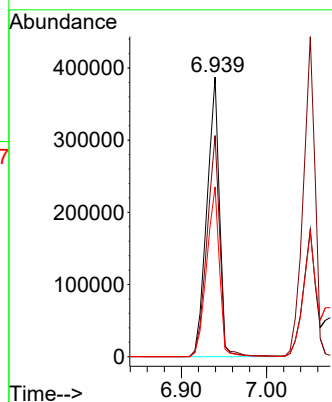
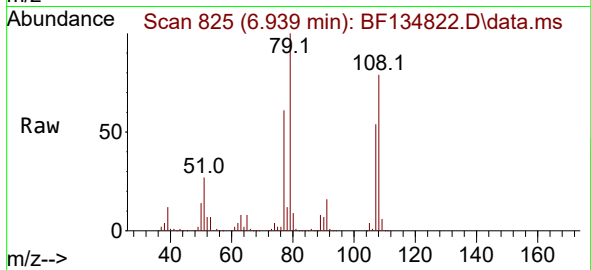




#15
Benzyl Alcohol
Concen: 44.355 ng
RT: 6.939 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

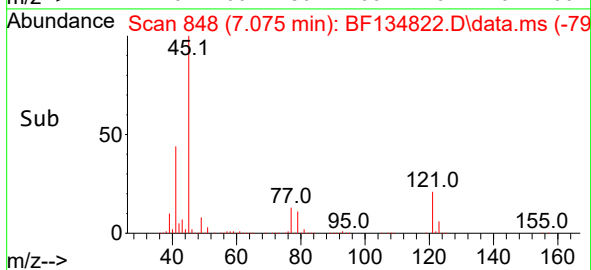
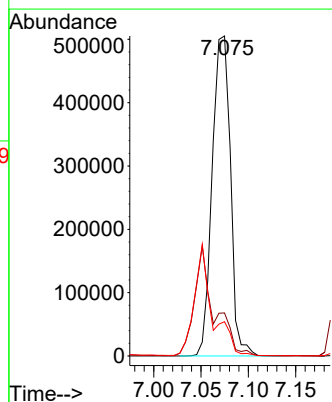
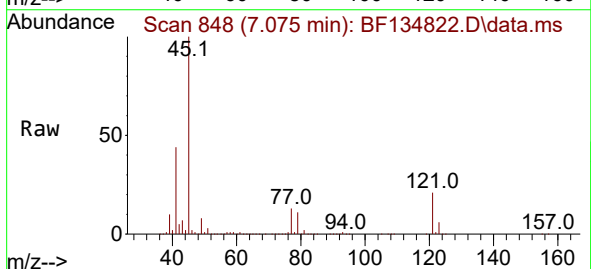
Instrument :
BNA_F
ClientSampleId :
E-4MS

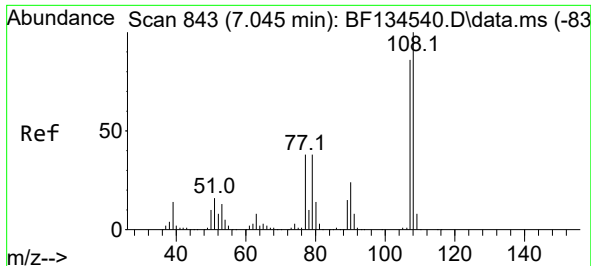
Tgt Ion: 79 Resp: 397547
Ion Ratio Lower Upper
79 100
108 79.1 56.3 84.5
77 60.7 50.6 76.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.457 ng
RT: 7.075 min Scan# 848
Delta R.T. -0.006 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

Tgt Ion: 45 Resp: 676516
Ion Ratio Lower Upper
45 100
77 13.5 0.0 37.8
79 10.7 0.0 34.5

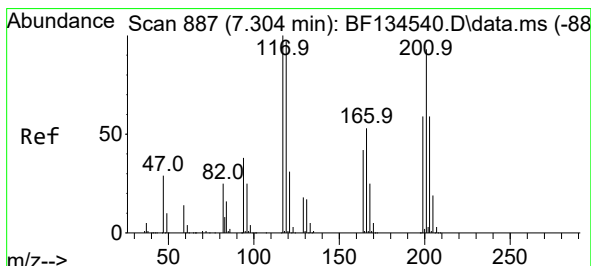
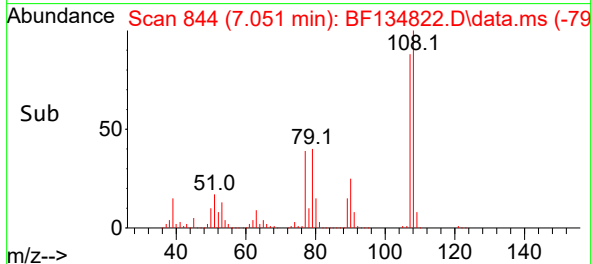
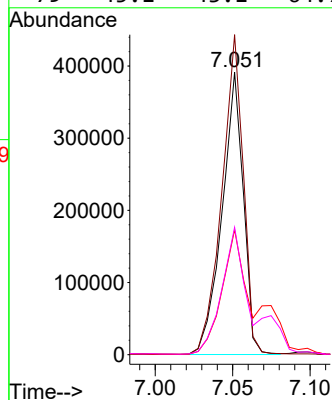
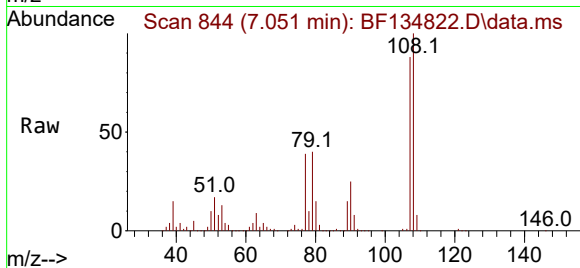




#17
2-Methylphenol
Concen: 41.333 ng
RT: 7.051 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

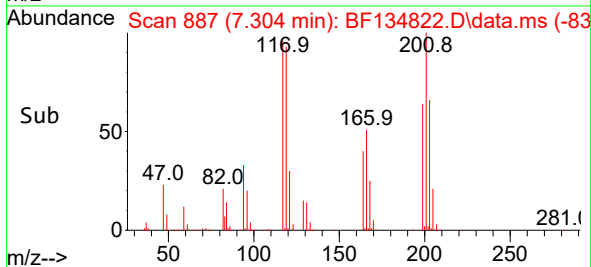
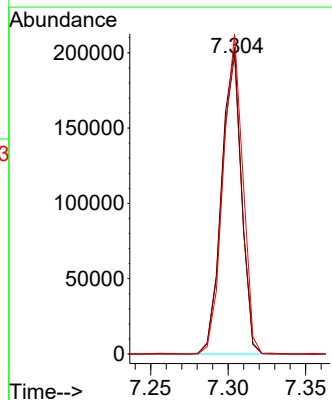
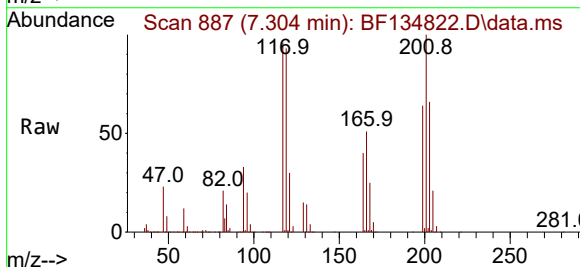
Instrument :
BNA_F
ClientSampleId :
E-4MS

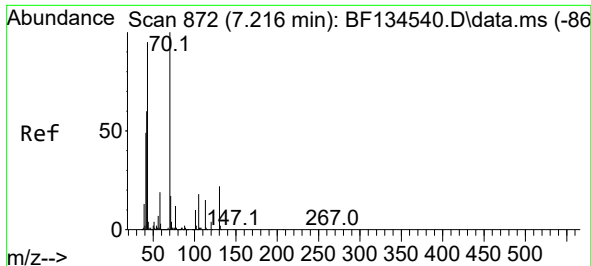
Tgt Ion:107 Resp: 374464
Ion Ratio Lower Upper
107 100
108 113.3 89.4 134.2
77 44.3 42.4 63.6
79 45.1 43.1 64.7



#18
Hexachloroethane
Concen: 48.426 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

Tgt Ion:117 Resp: 180687
Ion Ratio Lower Upper
117 100
119 97.6 75.8 113.8
201 104.4 73.6 110.4

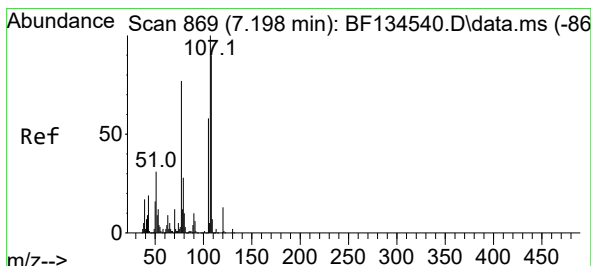
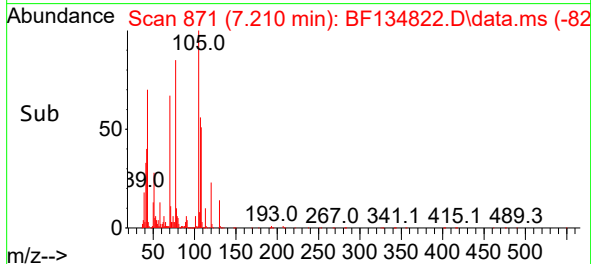
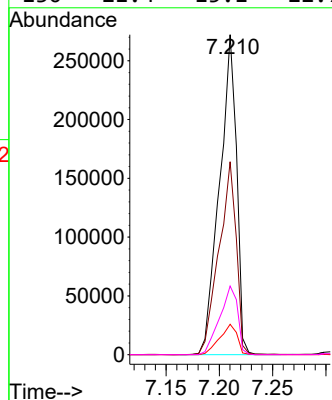
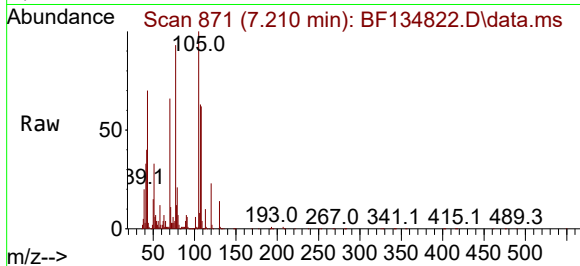




#19
n-Nitroso-di-n-propylamine
Concen: 38.947 ng
RT: 7.210 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

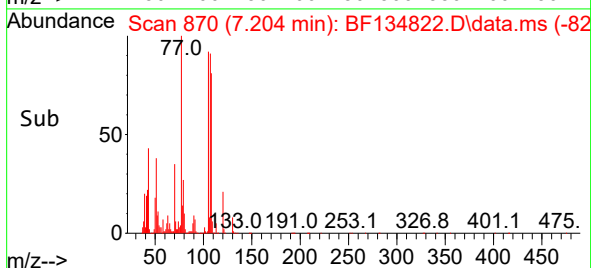
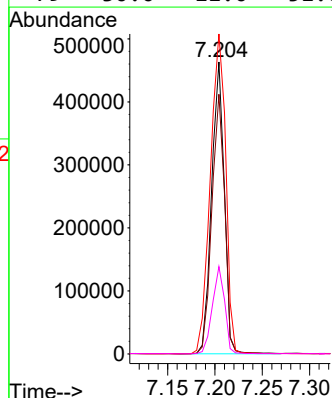
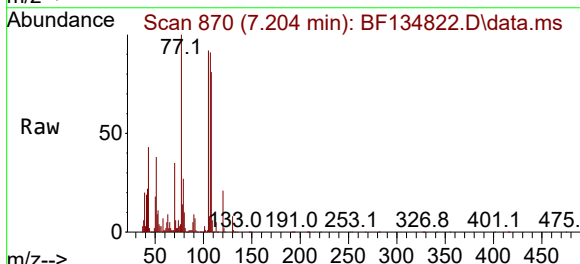
Instrument :
BNA_F
ClientSampleId :
E-4MS

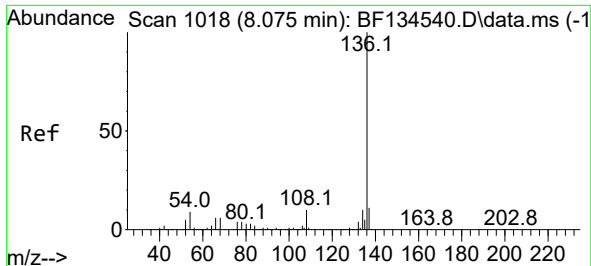
Tgt Ion: 70 Resp: 302956
Ion Ratio Lower Upper
70 100
42 60.3 54.7 82.1
101 9.5 8.2 12.2
130 21.4 15.1 22.7



#20
3+4-Methylphenols
Concen: 39.329 ng
RT: 7.204 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

Tgt Ion: 107 Resp: 429711
Ion Ratio Lower Upper
107 100
108 89.0 68.1 108.1
77 109.6 122.1 162.1#
79 30.0 11.0 51.0

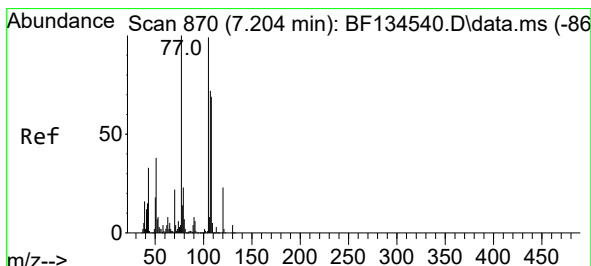
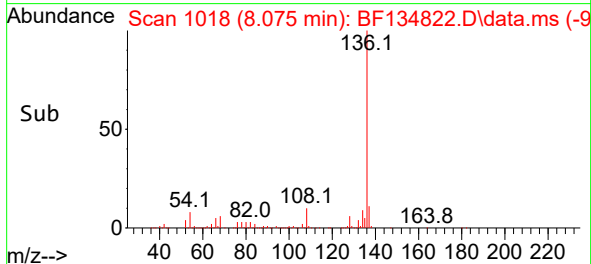
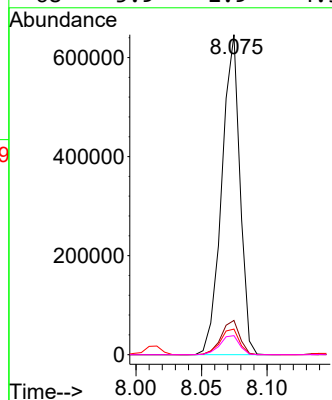
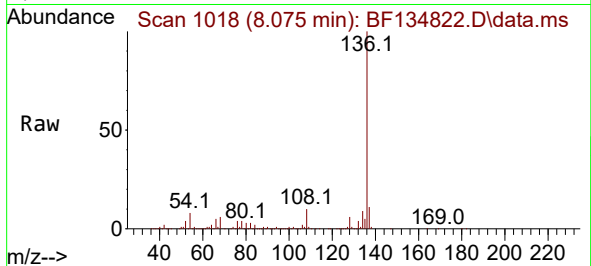




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

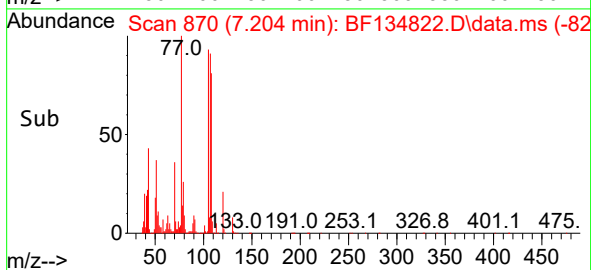
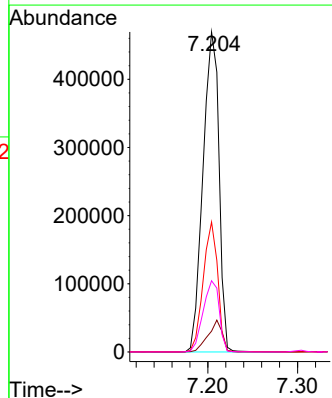
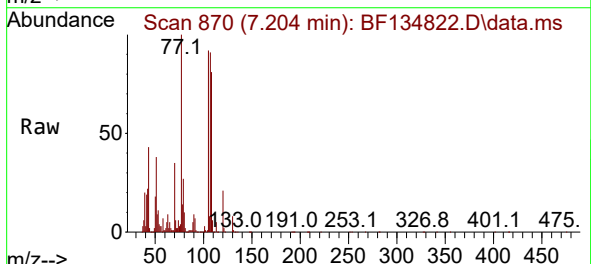
Instrument :
BNA_F
ClientSampleId :
E-4MS

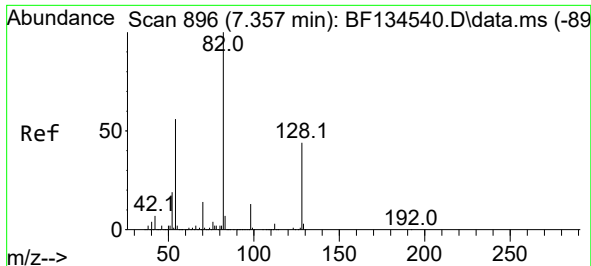
Tgt Ion:136 Resp: 620618
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 8.0 5.2 7.8#
68 5.9 2.9 4.3#



#22
Acetophenone
Concen: 40.588 ng
RT: 7.204 min Scan# 870
Delta R.T. -0.012 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

Tgt Ion:105 Resp: 581519
Ion Ratio Lower Upper
105 100
71 6.5 7.4 11.0#
51 40.6 36.4 54.6
120 22.2 16.6 25.0





#23

Nitrobenzene-d5

Concen: 58.367 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF134822.D

Acq: 17 Aug 2023 17:52

Instrument :

BNA_F

ClientSampleId :

E-4MS

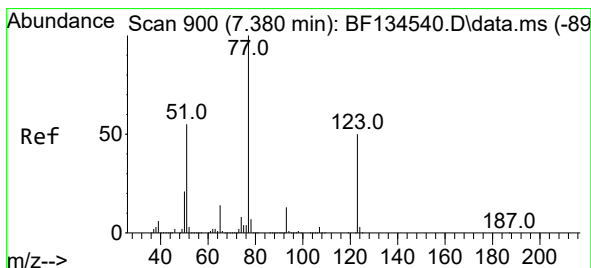
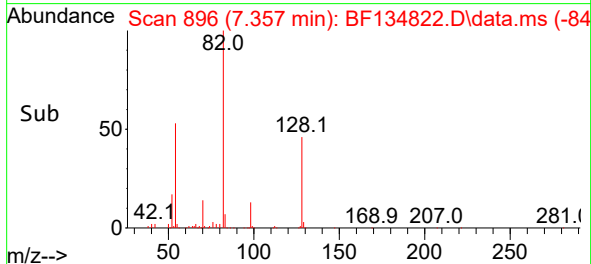
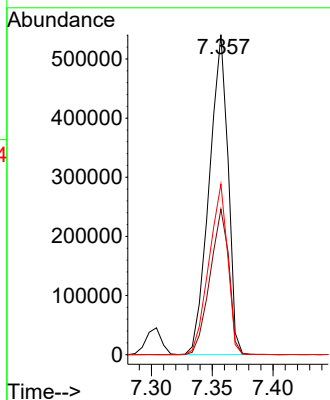
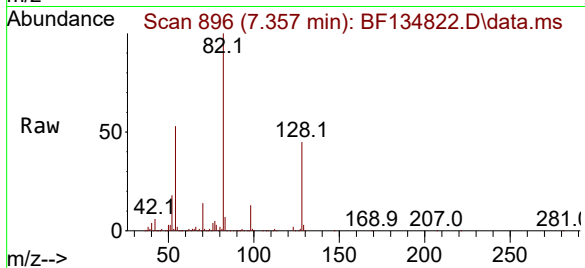
Tgt Ion: 82 Resp: 579646

Ion Ratio Lower Upper

82 100

128 45.5 34.3 51.5

54 53.4 43.8 65.6



#24

Nitrobenzene

Concen: 45.064 ng

RT: 7.375 min Scan# 899

Delta R.T. -0.012 min

Lab File: BF134822.D

Acq: 17 Aug 2023 17:52

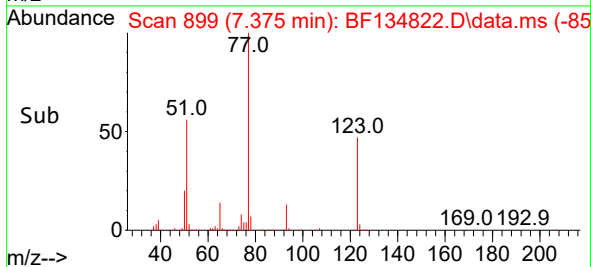
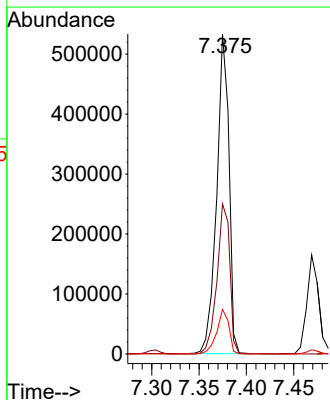
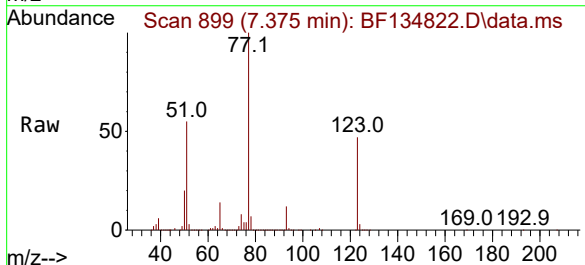
Tgt Ion: 77 Resp: 483492

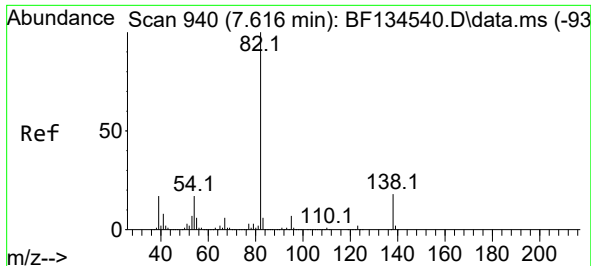
Ion Ratio Lower Upper

77 100

123 46.9 35.5 53.3

65 13.9 11.9 17.9

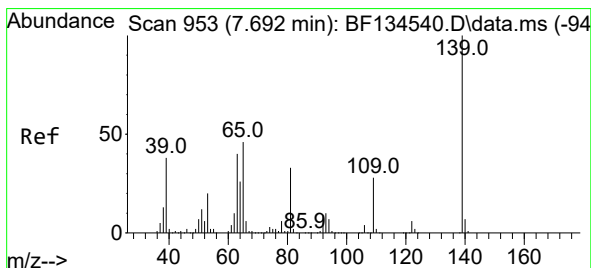
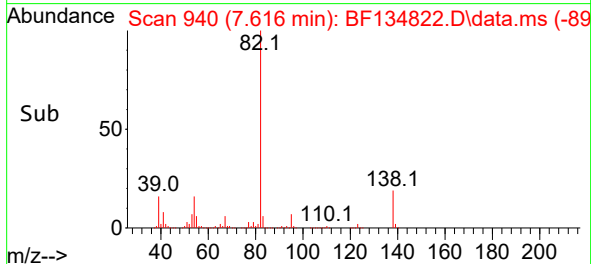
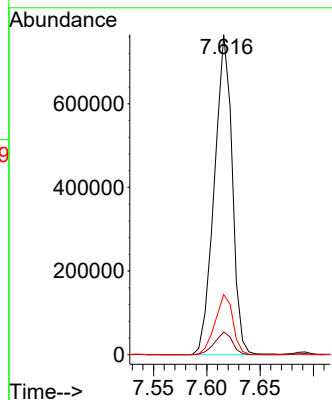
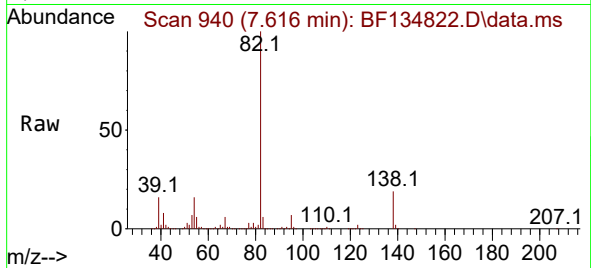




#25
Isophorone
Concen: 41.080 ng
RT: 7.616 min Scan# 940
Delta R.T. -0.012 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

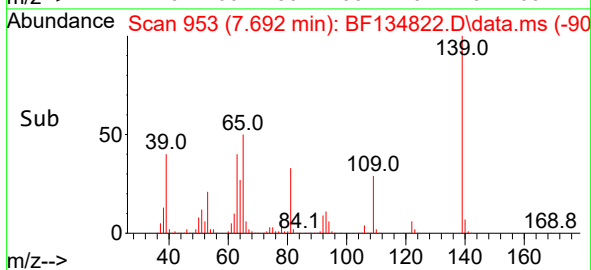
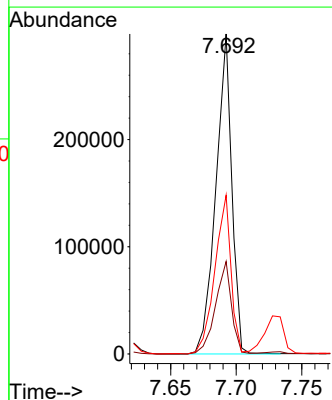
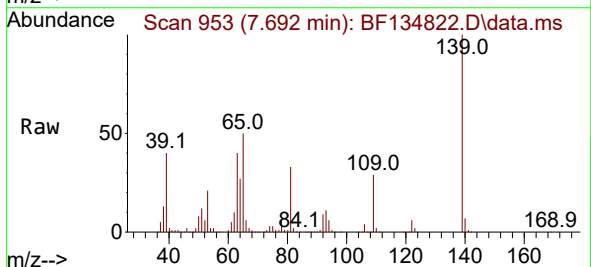
Instrument :
BNA_F
ClientSampleId :
E-4MS

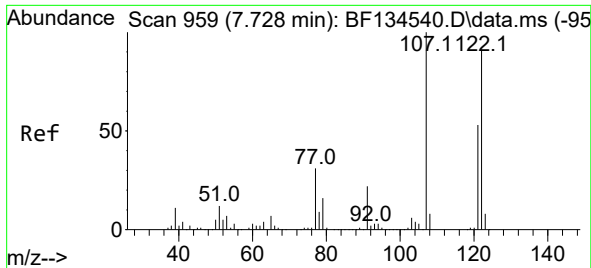
Tgt Ion: 82 Resp: 889825
Ion Ratio Lower Upper
82 100
95 7.1 6.0 9.0
138 18.8 14.6 22.0



#26
2-Nitrophenol
Concen: 54.502 ng
RT: 7.692 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

Tgt Ion: 139 Resp: 252119
Ion Ratio Lower Upper
139 100
109 28.9 29.8 44.6#
65 49.6 45.4 68.2

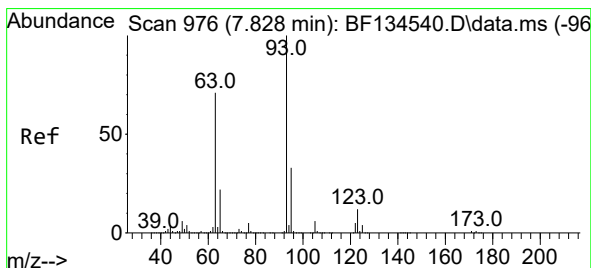
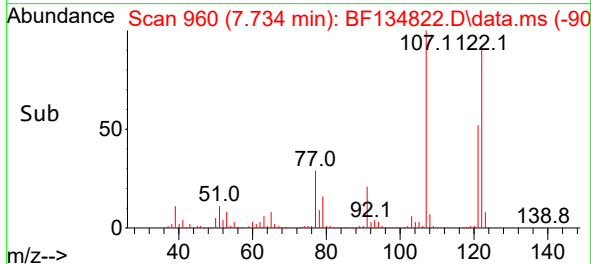
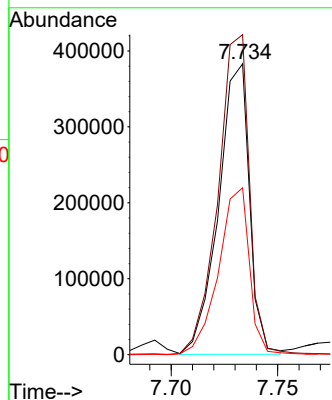
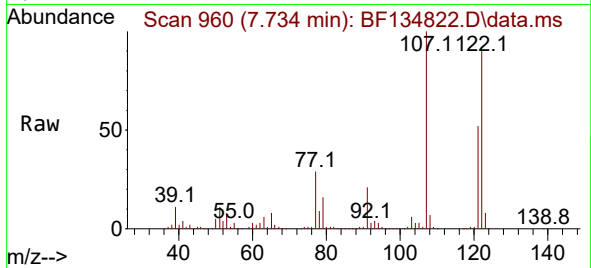




#27
2,4-Dimethylphenol
Concen: 39.895 ng
RT: 7.734 min Scan# 960
Delta R.T. 0.000 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

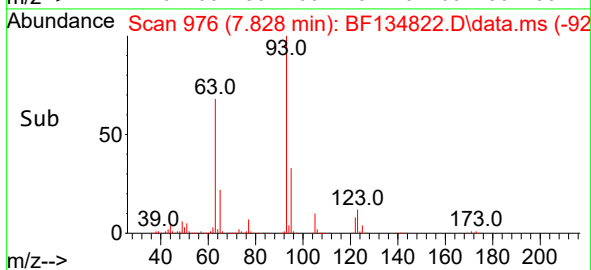
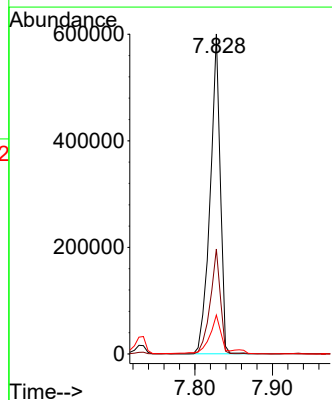
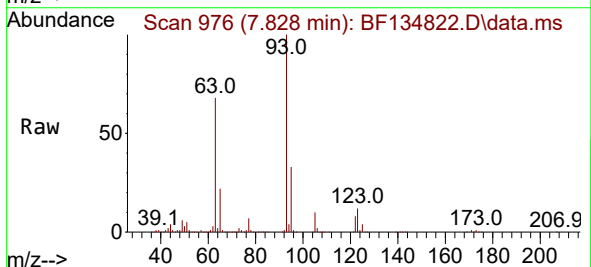
Instrument :
BNA_F
ClientSampleId :
E-4MS

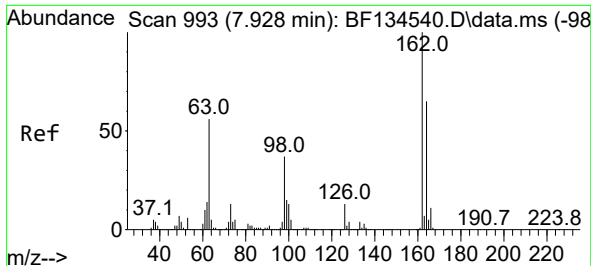
Tgt Ion:122 Resp: 385577
Ion Ratio Lower Upper
122 100
107 110.0 106.7 160.1
121 57.4 49.0 73.6



#28
bis(2-Chloroethoxy)methane
Concen: 41.880 ng
RT: 7.828 min Scan# 976
Delta R.T. -0.006 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

Tgt Ion: 93 Resp: 542648
Ion Ratio Lower Upper
93 100
95 32.8 26.5 39.7
123 12.1 9.6 14.4

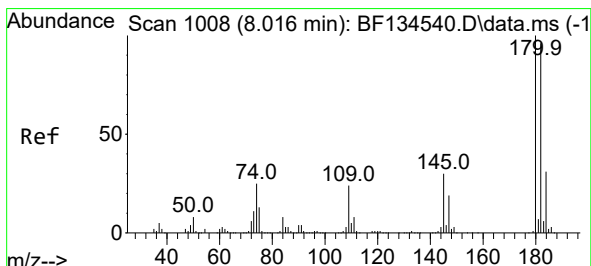
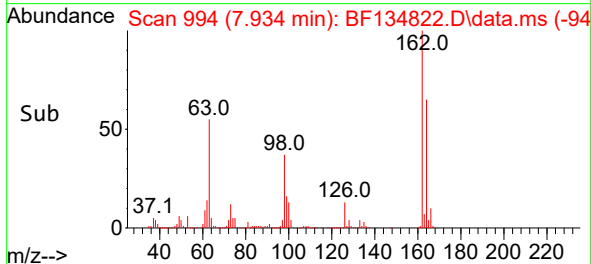
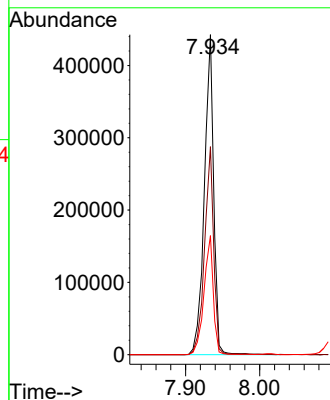
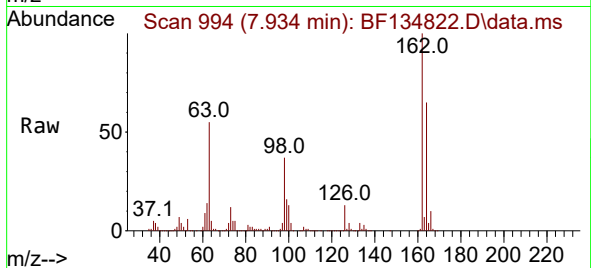




#29
2,4-Dichlorophenol
Concen: 44.317 ng
RT: 7.934 min Scan# 993
Delta R.T. -0.006 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

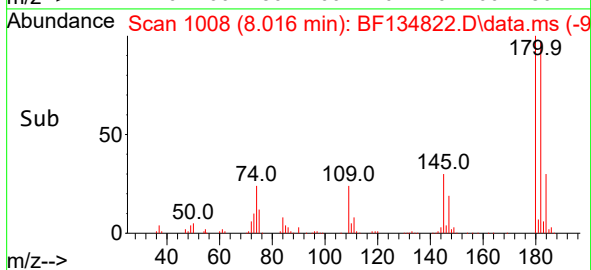
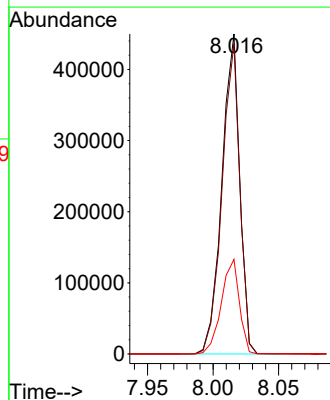
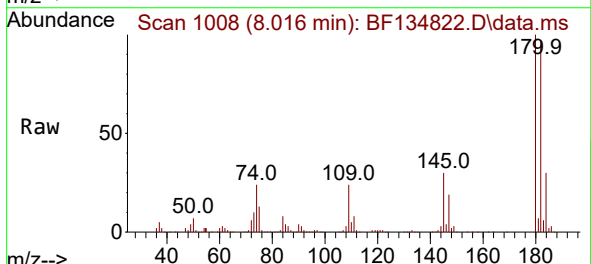
Instrument :
BNA_F
ClientSampleId :
E-4MS

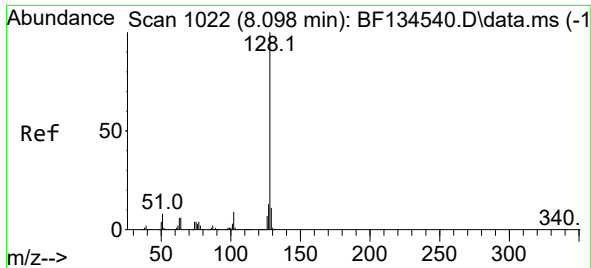
Tgt Ion:162 Resp: 388747
Ion Ratio Lower Upper
162 100
164 65.0 42.2 82.2
98 37.2 15.5 55.5



#30
1,2,4-Trichlorobenzene
Concen: 45.470 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

Tgt Ion:180 Resp: 425331
Ion Ratio Lower Upper
180 100
182 97.0 75.0 112.6
145 29.6 25.5 38.3

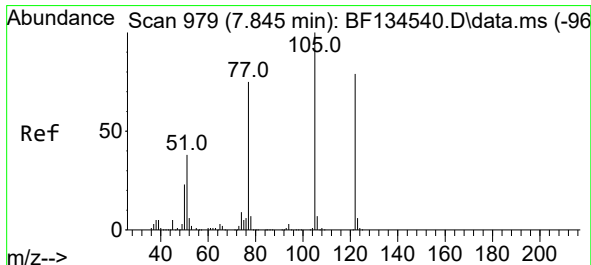
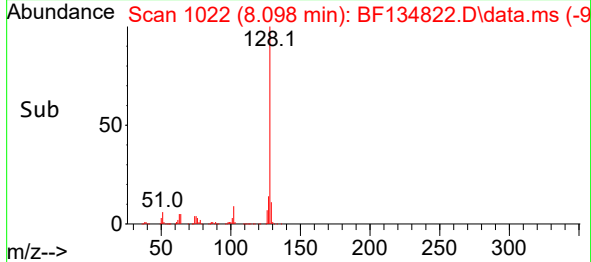
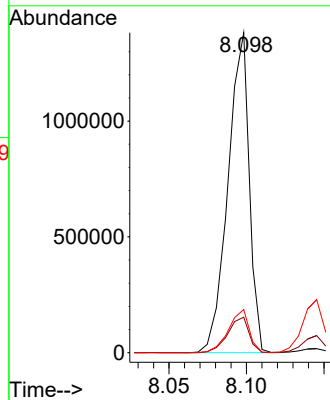
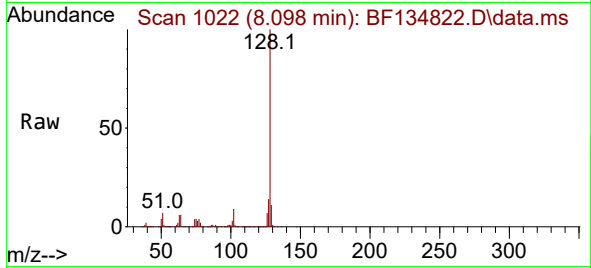




#31
Naphthalene
Concen: 42.205 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

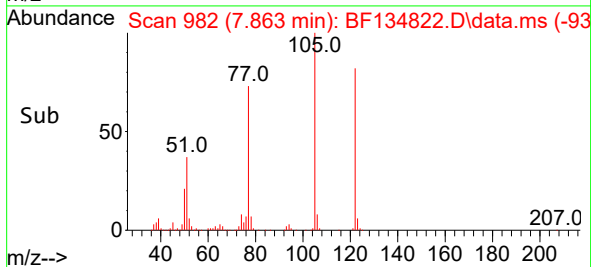
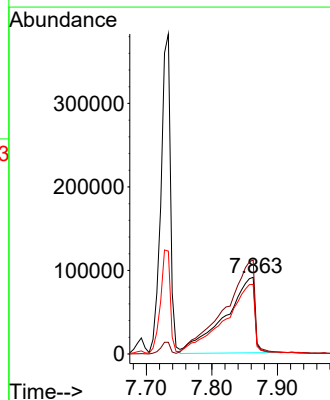
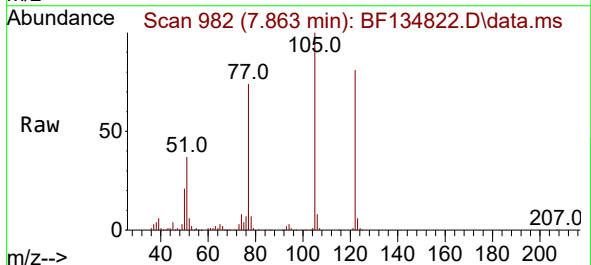
Instrument :
BNA_F
ClientSampleId :
E-4MS

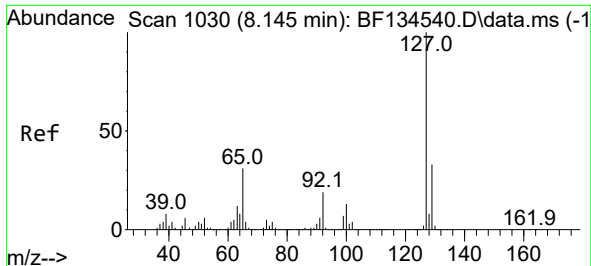
Tgt Ion:128 Resp: 1316406
Ion Ratio Lower Upper
128 100
129 11.1 8.4 12.6
127 13.5 10.7 16.1



#32
Benzoic acid
Concen: 46.288 ng
RT: 7.863 min Scan# 982
Delta R.T. 0.000 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

Tgt Ion:122 Resp: 289711
Ion Ratio Lower Upper
122 100
105 122.8 87.5 127.5
77 90.8 71.4 111.4

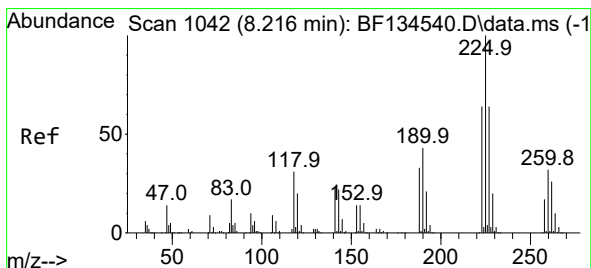
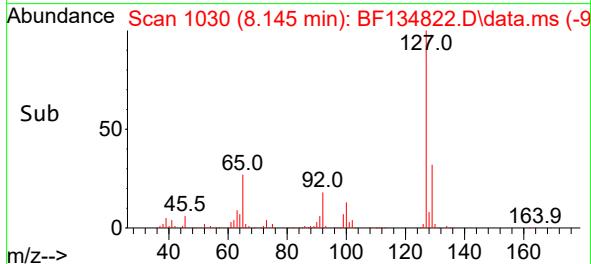
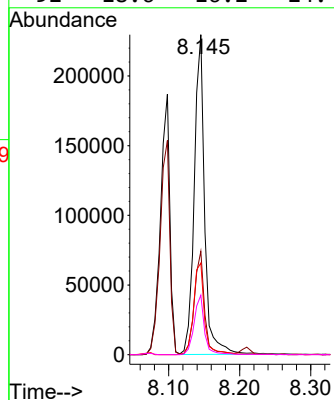
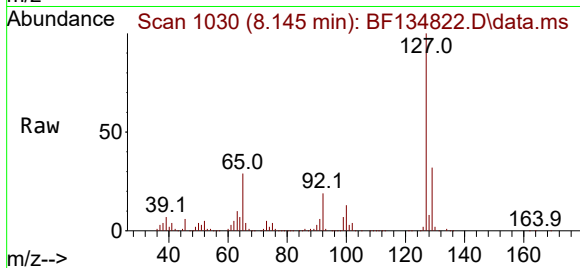




#33
4-Chloroaniline
Concen: 16.869 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

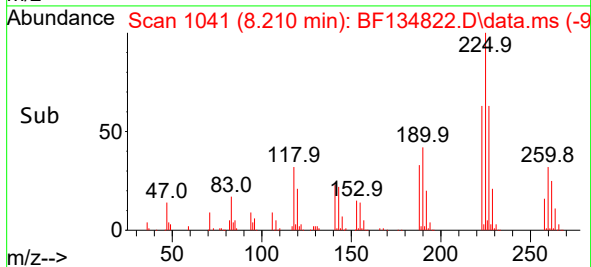
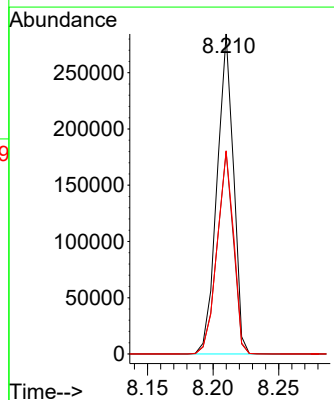
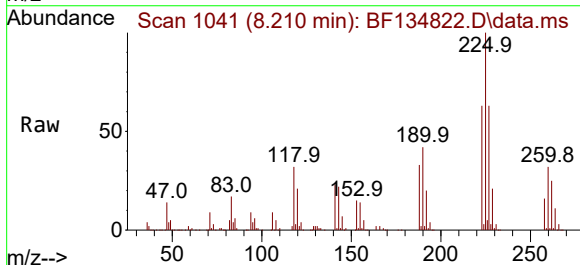
Instrument :
BNA_F
ClientSampleId :
E-4MS

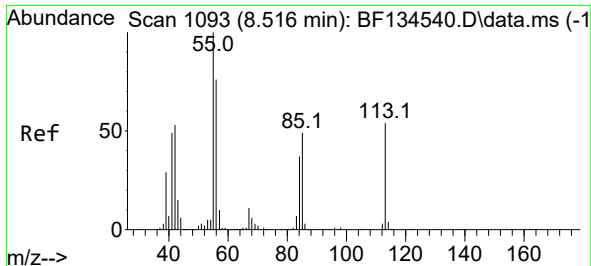
Tgt Ion:	127	Resp:	234441
Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.6	38.4
65	28.7	25.4	38.0
92	18.6	16.2	24.4



#34
Hexachlorobutadiene
Concen: 45.952 ng
RT: 8.210 min Scan# 1041
Delta R.T. -0.006 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

Tgt Ion:	225	Resp:	247939
Ion	Ratio	Lower	Upper
225	100		
223	63.2	48.2	72.4
227	63.5	48.5	72.7

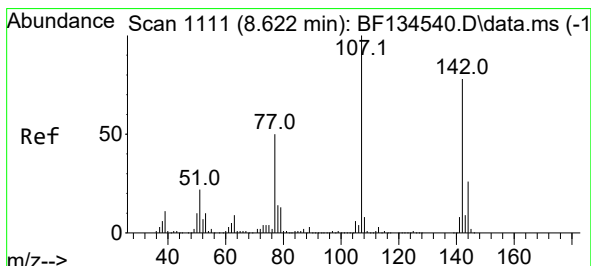
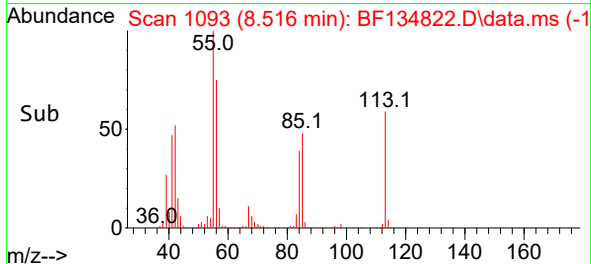
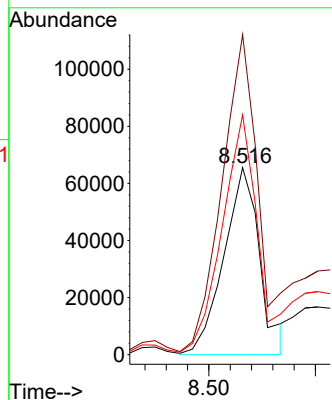
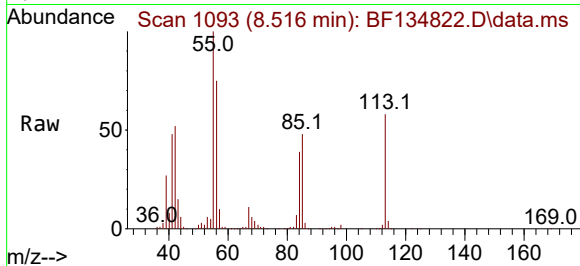




#35
 Caprolactam
 Concen: 26.935 ng
 RT: 8.516 min Scan# 1093
 Delta R.T. -0.018 min
 Lab File: BF134822.D
 Acq: 17 Aug 2023 17:52

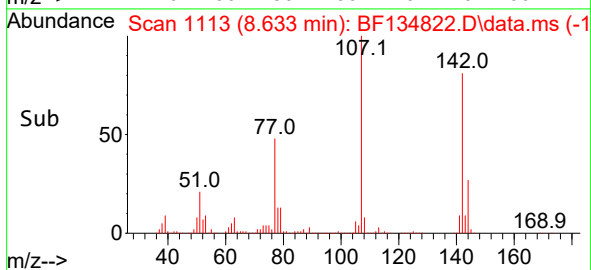
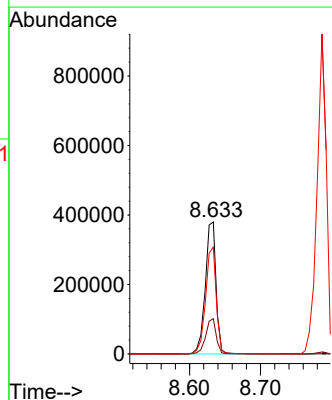
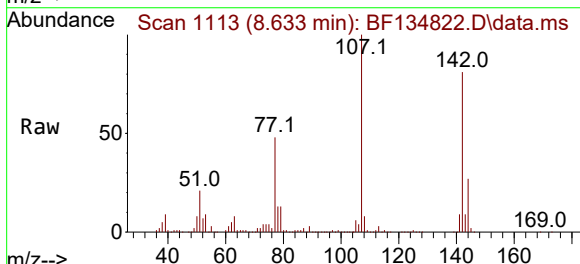
Instrument :
 BNA_F
 ClientSampleId :
 E-4MS

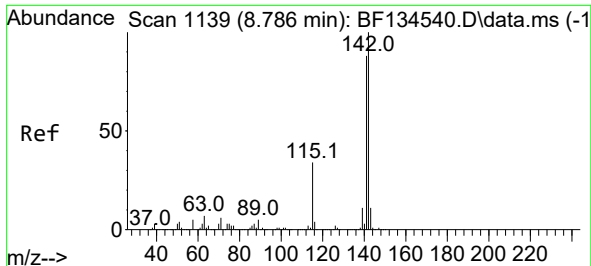
Tgt Ion:113 Resp: 76227
 Ion Ratio Lower Upper
 113 100
 55 171.0 161.5 201.5
 56 128.2 117.8 157.8



#36
 4-Chloro-3-methylphenol
 Concen: 43.263 ng
 RT: 8.633 min Scan# 1113
 Delta R.T. 0.000 min
 Lab File: BF134822.D
 Acq: 17 Aug 2023 17:52

Tgt Ion:107 Resp: 401903
 Ion Ratio Lower Upper
 107 100
 144 26.8 19.6 29.4
 142 81.1 57.7 86.5

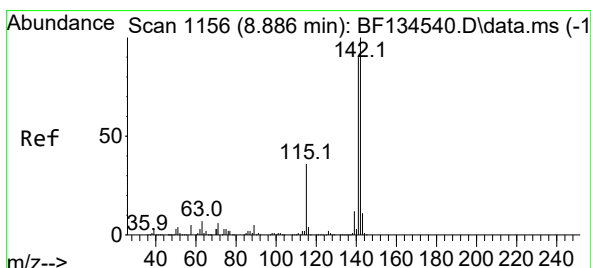
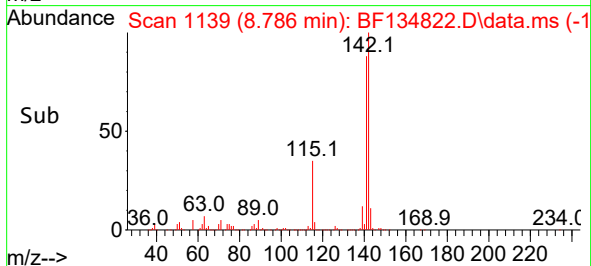
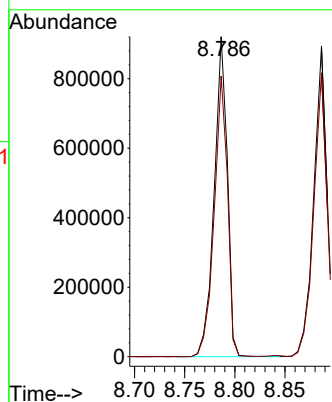
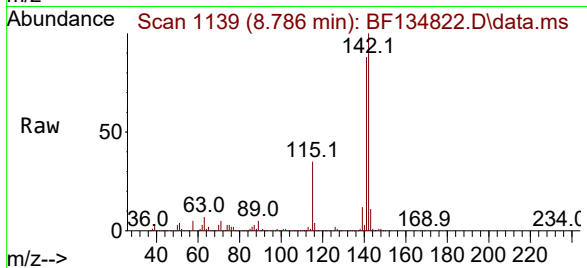




#37
2-Methylnaphthalene
Concen: 40.615 ng
RT: 8.786 min Scan# 1139
Delta R.T. -0.006 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

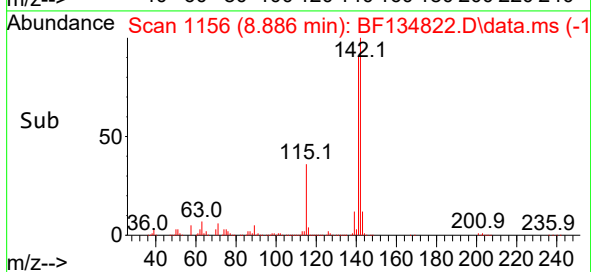
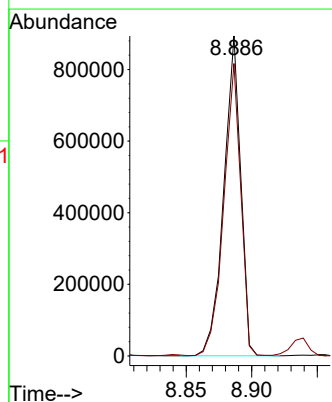
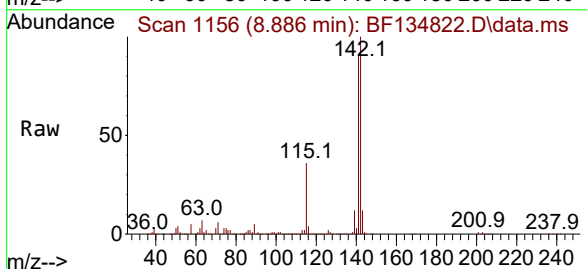
Instrument :
BNA_F
ClientSampleId :
E-4MS

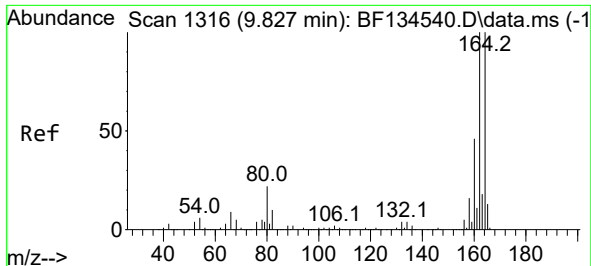
Tgt Ion:142 Resp: 839692
Ion Ratio Lower Upper
142 100
141 87.7 70.8 106.2



#38
1-Methylnaphthalene
Concen: 41.601 ng
RT: 8.886 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

Tgt Ion:142 Resp: 799788
Ion Ratio Lower Upper
142 100
141 91.4 71.4 107.2

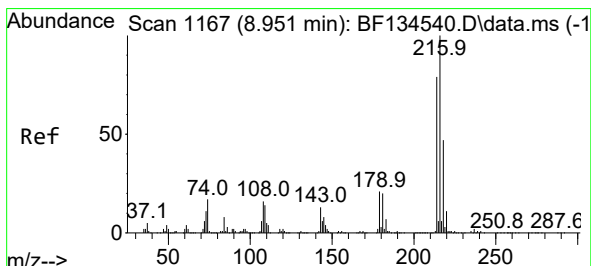
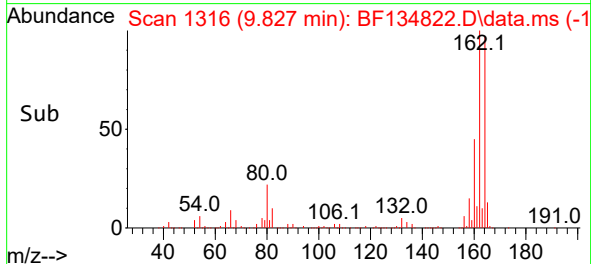
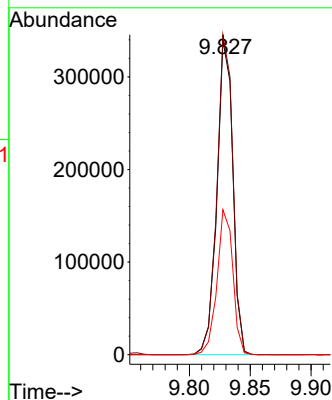
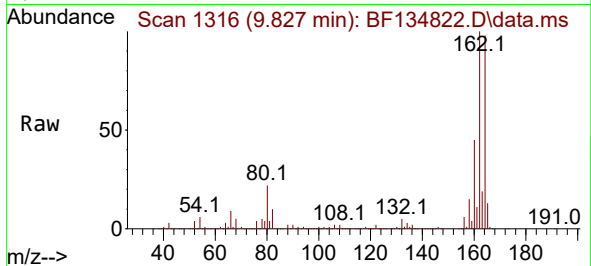




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

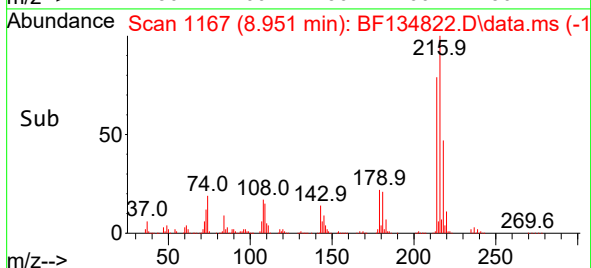
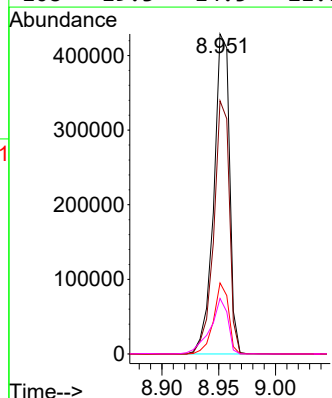
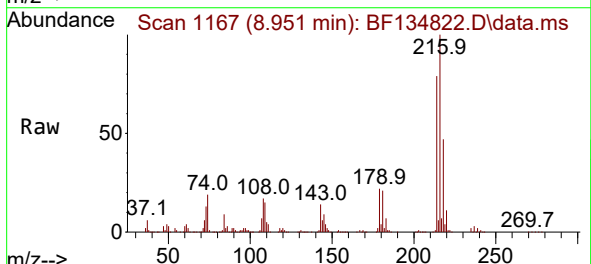
Instrument :
BNA_F
ClientSampleId :
E-4MS

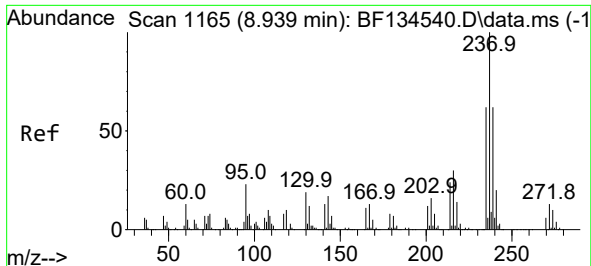
Tgt Ion:164 Resp: 309499
Ion Ratio Lower Upper
164 100
162 101.8 82.6 123.8
160 46.1 37.2 55.8



#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.016 ng
RT: 8.951 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

Tgt Ion:216 Resp: 414142
Ion Ratio Lower Upper
216 100
214 78.0 62.3 93.5
179 21.0 17.4 26.0
108 19.3 14.5 21.7





#41

Hexachlorocyclopentadiene

Concen: 89.775 ng

RT: 8.939 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF134822.D

Acq: 17 Aug 2023 17:52

Instrument :

BNA_F

ClientSampleId :

E-4MS

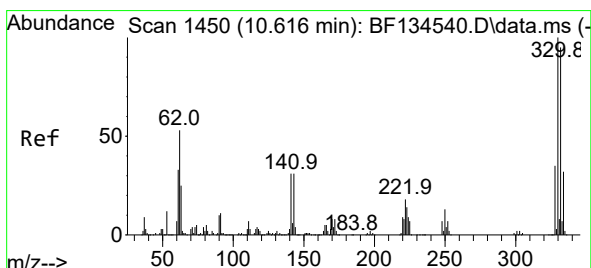
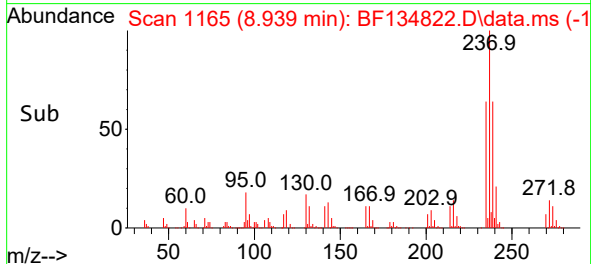
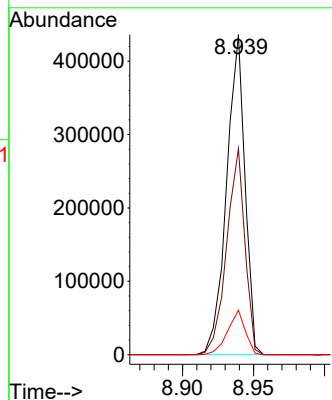
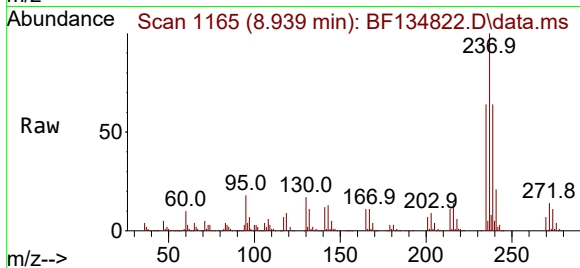
Tgt Ion:237 Resp: 392907

Ion Ratio Lower Upper

237 100

235 64.4 37.0 77.0

272 13.9 0.0 32.7



#42

2,4,6-Tribromophenol

Concen: 82.954 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF134822.D

Acq: 17 Aug 2023 17:52

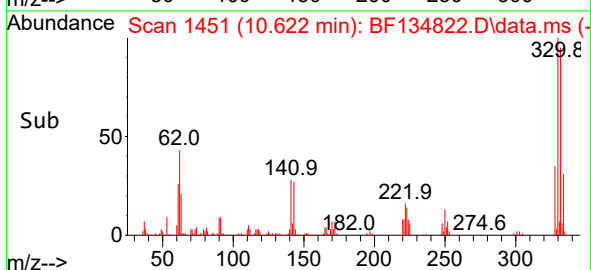
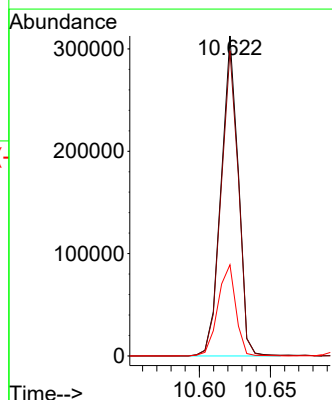
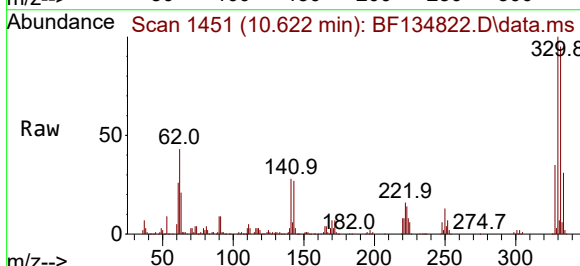
Tgt Ion:330 Resp: 261724

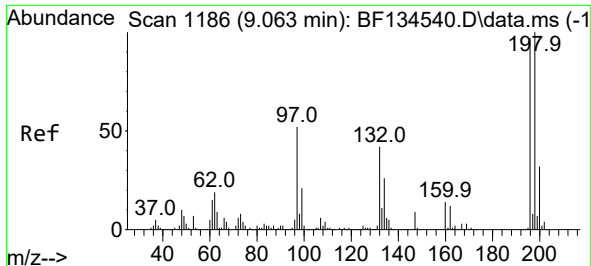
Ion Ratio Lower Upper

330 100

332 96.3 78.8 118.2

141 29.9 25.4 38.2

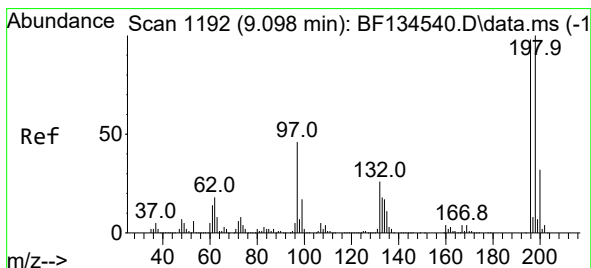
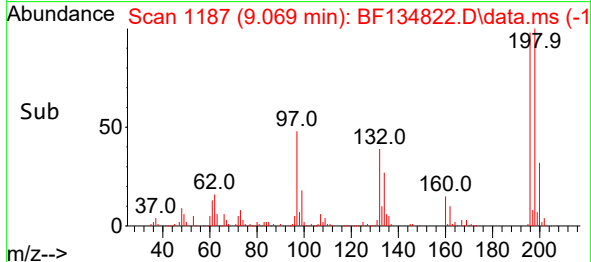
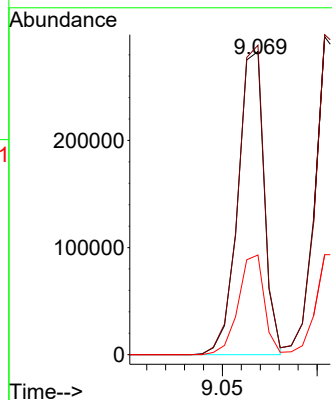
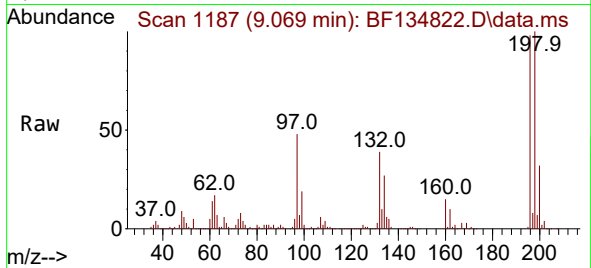




#43
 2,4,6-Trichlorophenol
 Concen: 46.362 ng
 RT: 9.069 min Scan# 1186
 Delta R.T. 0.000 min
 Lab File: BF134822.D
 Acq: 17 Aug 2023 17:52

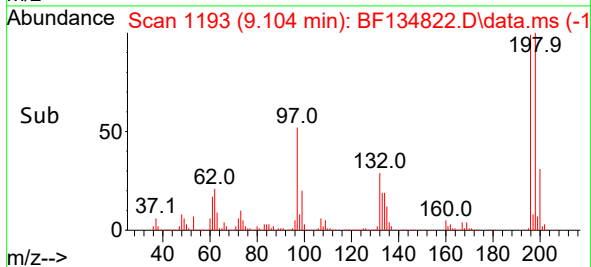
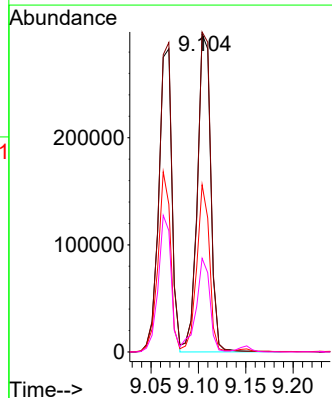
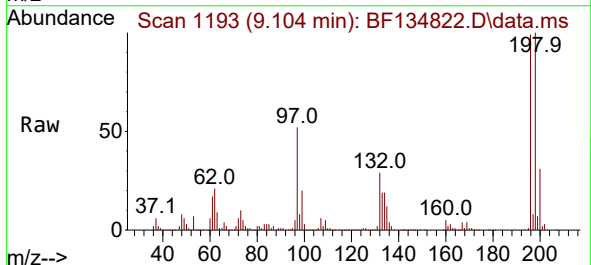
Instrument :
 BNA_F
 ClientSampleId :
 E-4MS

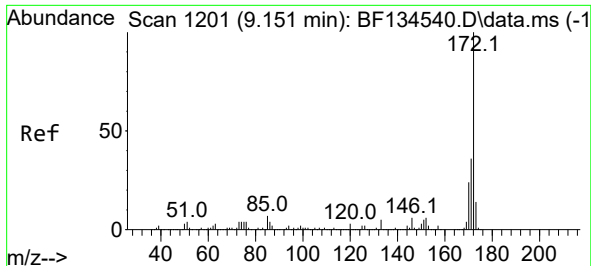
Tgt Ion:196 Resp: 273077
 Ion Ratio Lower Upper
 196 100
 198 102.0 77.4 116.2
 200 32.9 25.4 38.2



#44
 2,4,5-Trichlorophenol
 Concen: 43.461 ng
 RT: 9.104 min Scan# 1193
 Delta R.T. -0.006 min
 Lab File: BF134822.D
 Acq: 17 Aug 2023 17:52

Tgt Ion:196 Resp: 292577
 Ion Ratio Lower Upper
 196 100
 198 100.7 73.0 109.4
 97 52.6 40.8 61.2
 132 29.4 23.3 34.9





#45

2-Fluorobiphenyl

Concen: 55.581 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF134822.D

Acq: 17 Aug 2023 17:52

Instrument :

BNA_F

ClientSampleId :

E-4MS

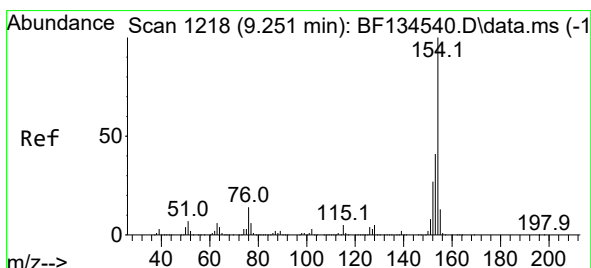
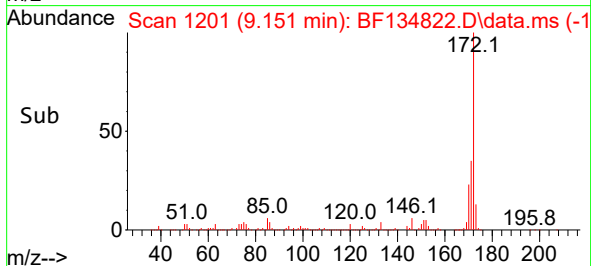
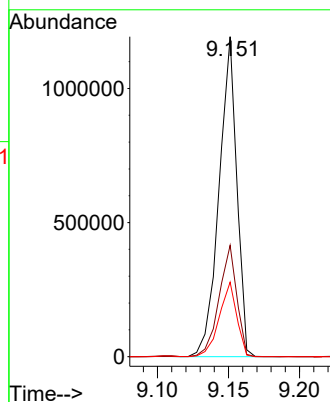
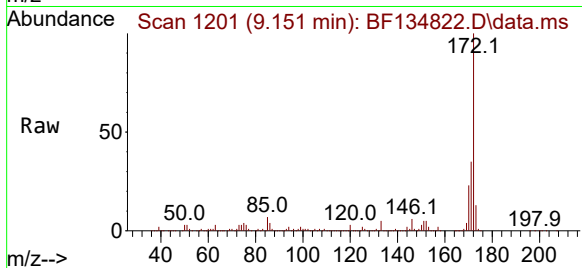
Tgt Ion:172 Resp: 1034603

Ion Ratio Lower Upper

172 100

171 34.8 28.8 43.2

170 23.3 18.7 28.1



#46

1,1'-Biphenyl

Concen: 43.592 ng

RT: 9.251 min Scan# 1218

Delta R.T. -0.012 min

Lab File: BF134822.D

Acq: 17 Aug 2023 17:52

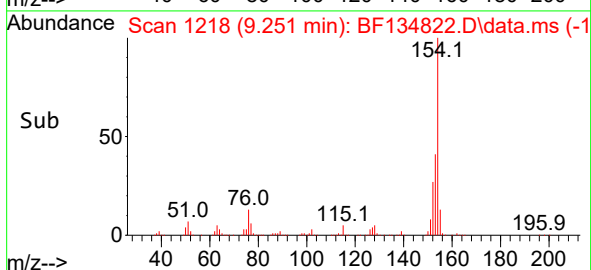
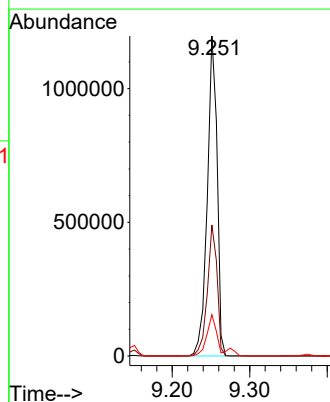
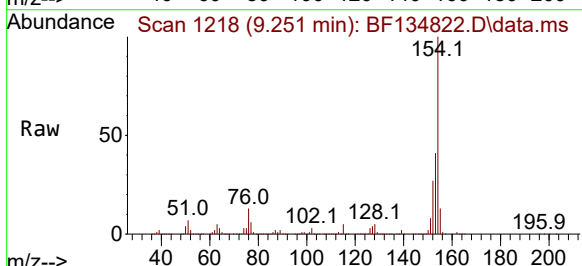
Tgt Ion:154 Resp: 1049148

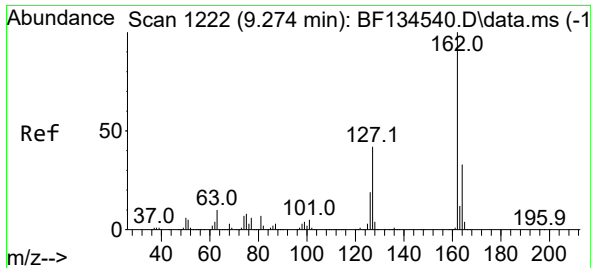
Ion Ratio Lower Upper

154 100

153 40.9 20.8 60.8

76 12.9 0.0 30.2

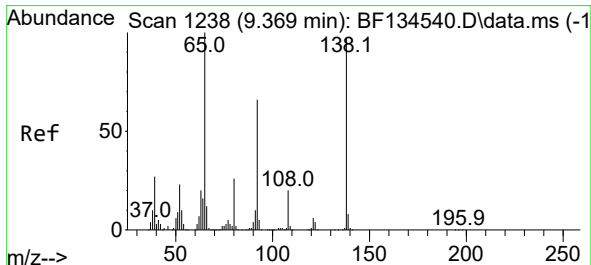
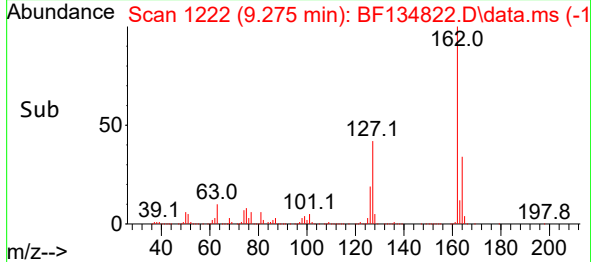
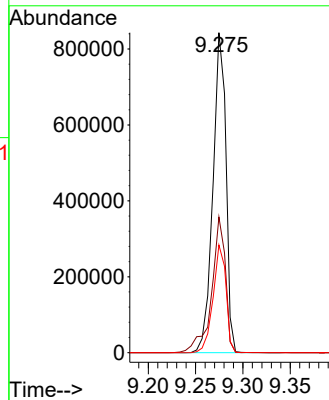
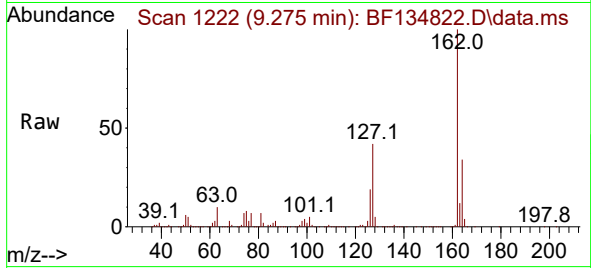




#47
2-Chloronaphthalene
Concen: 44.523 ng
RT: 9.275 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

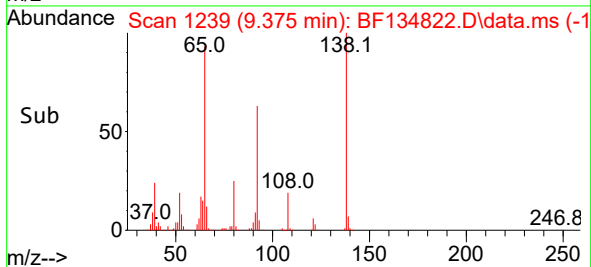
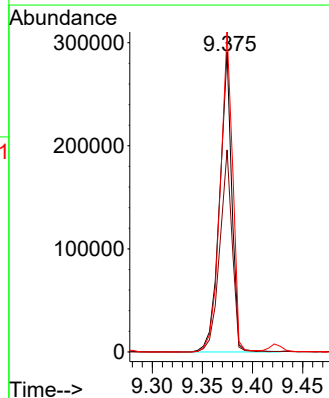
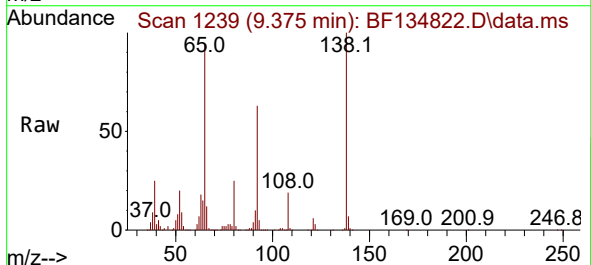
Instrument :
BNA_F
ClientSampleId :
E-4MS

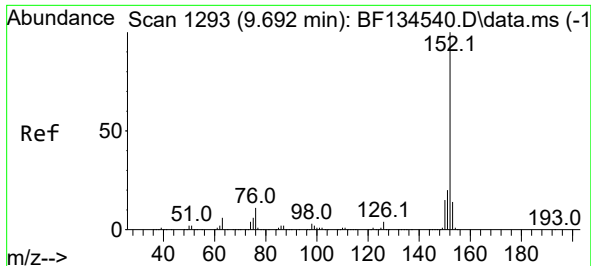
Tgt Ion:162 Resp: 802913
Ion Ratio Lower Upper
162 100
127 42.4 34.0 51.0
164 33.7 25.7 38.5



#48
2-Nitroaniline
Concen: 44.193 ng
RT: 9.375 min Scan# 1239
Delta R.T. -0.006 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

Tgt Ion: 65 Resp: 246956
Ion Ratio Lower Upper
65 100
92 67.4 50.7 76.1
138 106.7 78.2 117.4

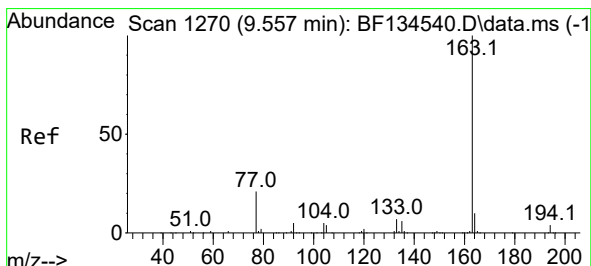
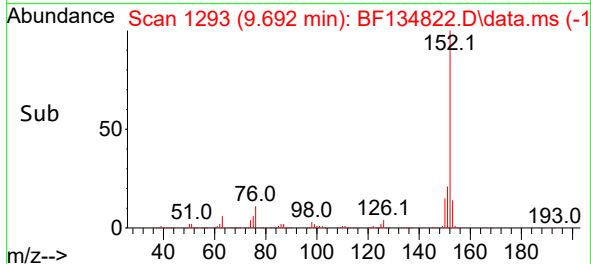
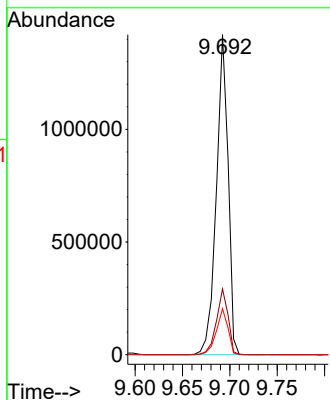
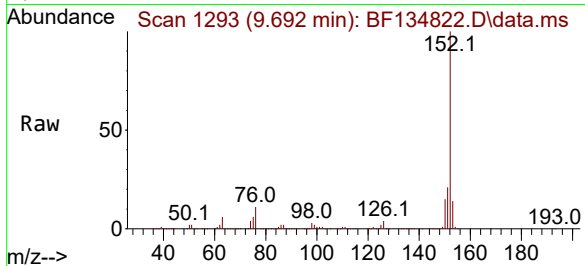




#49
Acenaphthylene
Concen: 43.092 ng
RT: 9.692 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

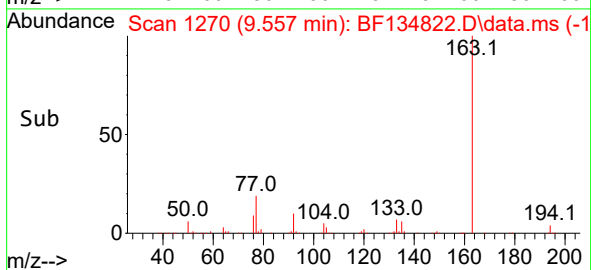
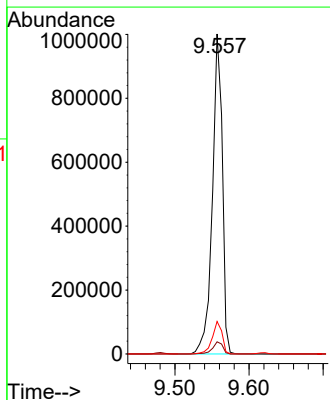
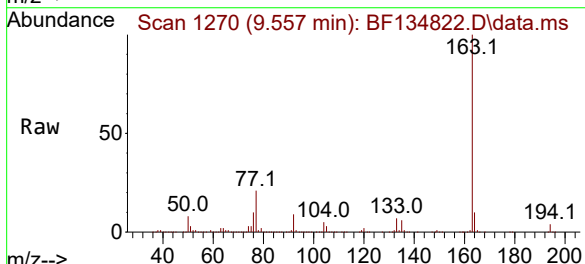
Instrument :
BNA_F
ClientSampleId :
E-4MS

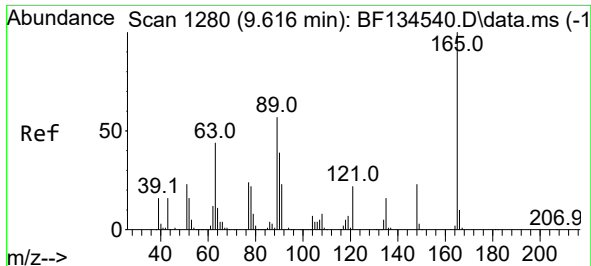
Tgt Ion:152 Resp: 1221534
Ion Ratio Lower Upper
152 100
151 20.5 16.4 24.6
153 14.4 10.9 16.3



#50
Dimethylphthalate
Concen: 44.037 ng
RT: 9.557 min Scan# 1270
Delta R.T. -0.012 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

Tgt Ion:163 Resp: 928948
Ion Ratio Lower Upper
163 100
194 3.8 3.3 4.9
164 10.2 7.5 11.3

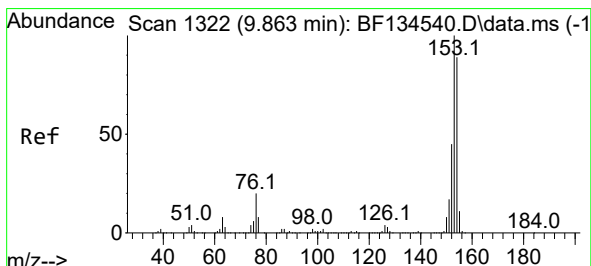
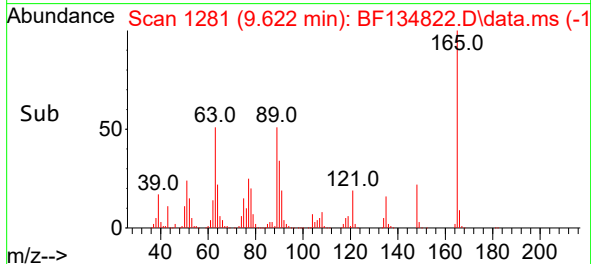
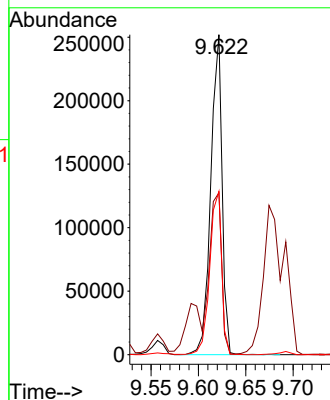
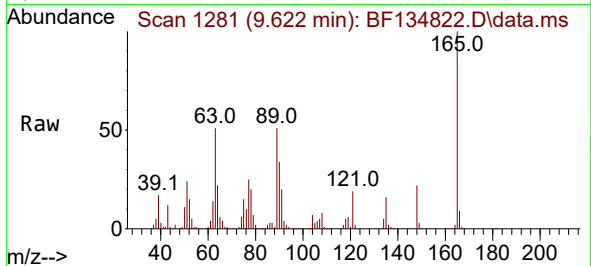




#51
2,6-Dinitrotoluene
Concen: 48.243 ng
RT: 9.622 min Scan# 1281
Delta R.T. -0.006 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

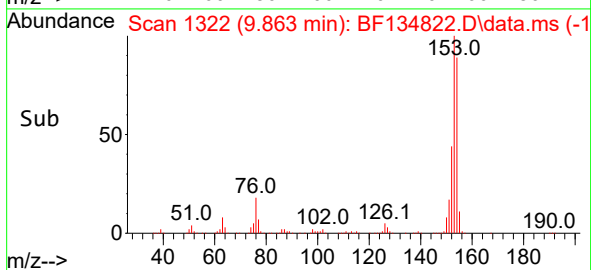
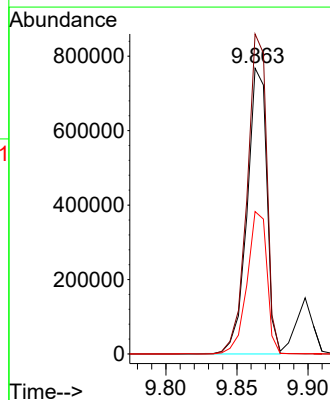
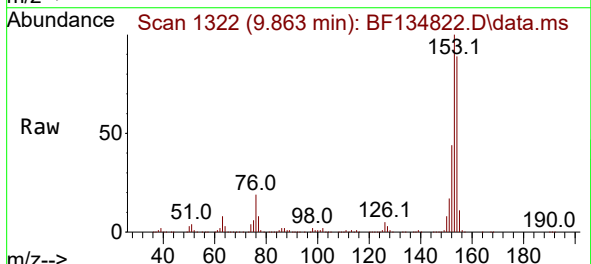
Instrument :
BNA_F
ClientSampleId :
E-4MS

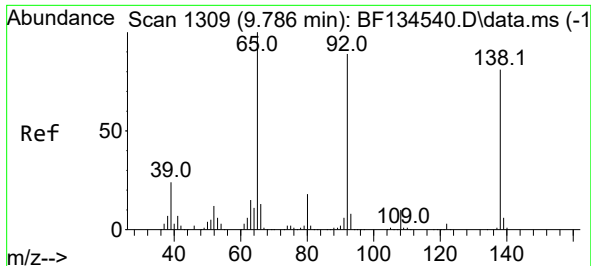
Tgt Ion:165 Resp: 208570
Ion Ratio Lower Upper
165 100
63 50.6 57.8 86.6#
89 51.0 51.8 77.8#



#52
Acenaphthene
Concen: 40.406 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.012 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

Tgt Ion:154 Resp: 742272
Ion Ratio Lower Upper
154 100
153 112.0 90.0 135.0
152 49.8 42.4 63.6

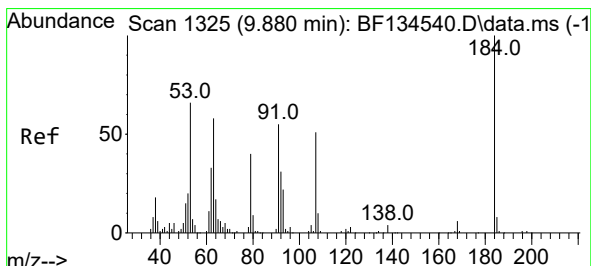
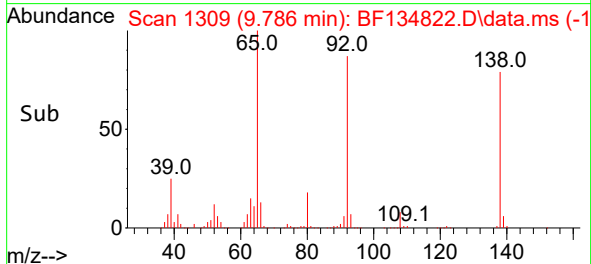
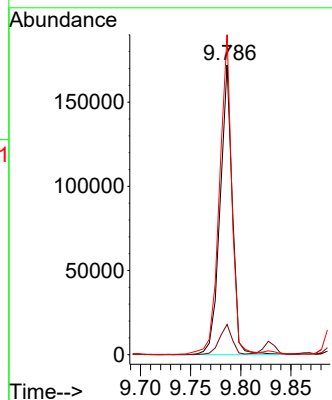
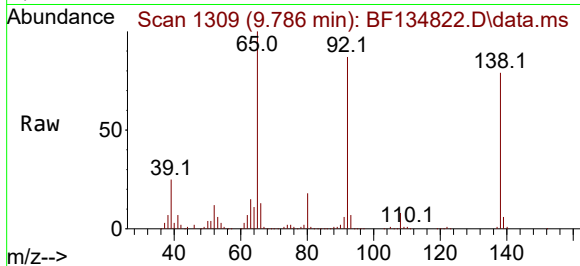




#53
3-Nitroaniline
Concen: 30.924 ng
RT: 9.786 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

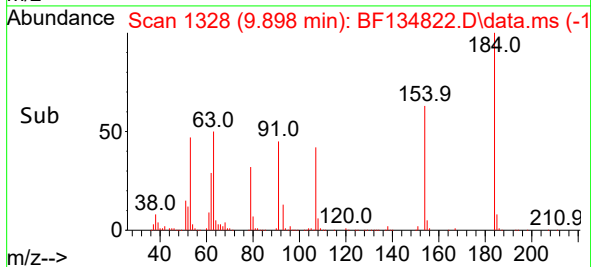
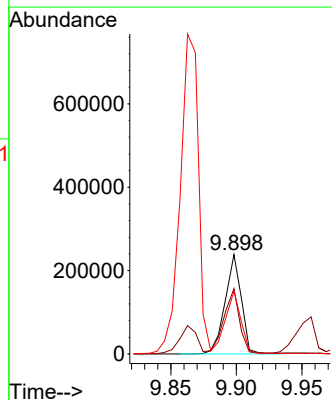
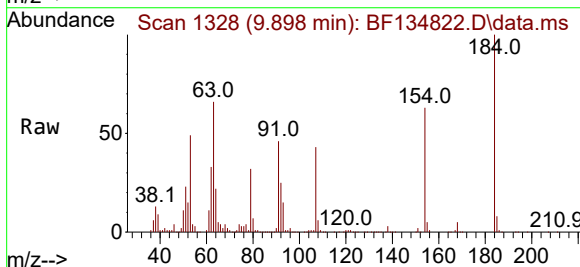
Instrument :
BNA_F
ClientSampleId :
E-4MS

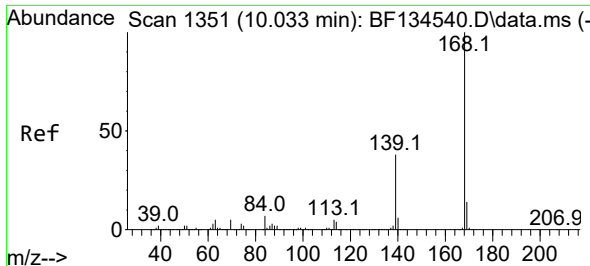
Tgt Ion:138 Resp: 145397
Ion Ratio Lower Upper
138 100
108 10.4 9.3 13.9
92 110.4 86.6 129.8



#54
2,4-Dinitrophenol
Concen: 105.557 ng
RT: 9.898 min Scan# 1328
Delta R.T. 0.000 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

Tgt Ion:184 Resp: 205760
Ion Ratio Lower Upper
184 100
63 65.7 57.1 85.7
154 63.3 59.1 88.7

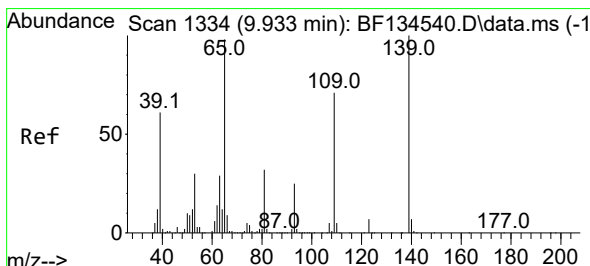
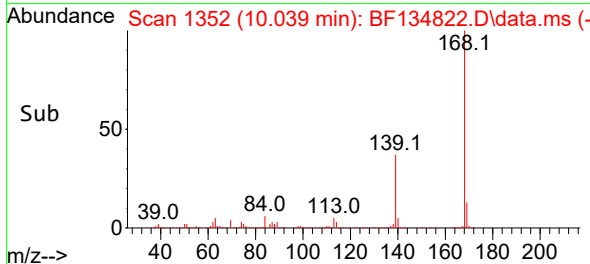
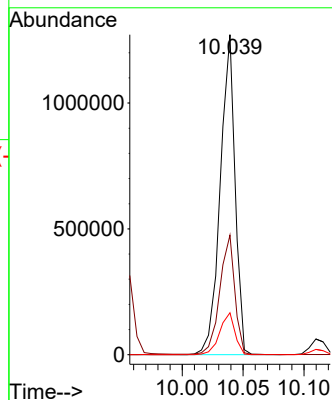
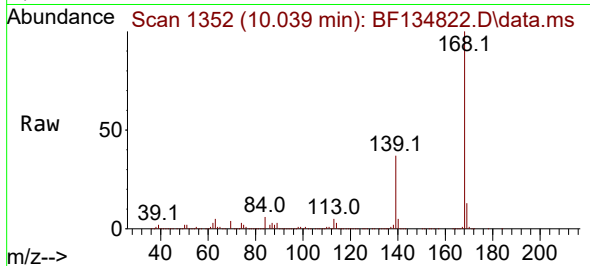




#55
Dibenzenofuran
Concen: 41.420 ng
RT: 10.039 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

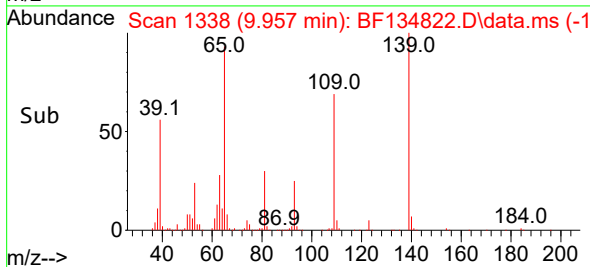
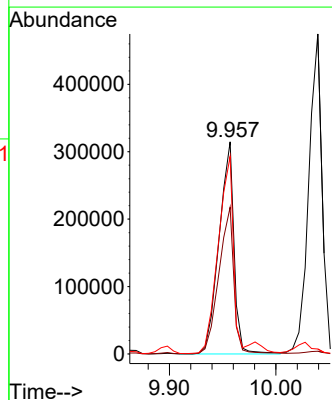
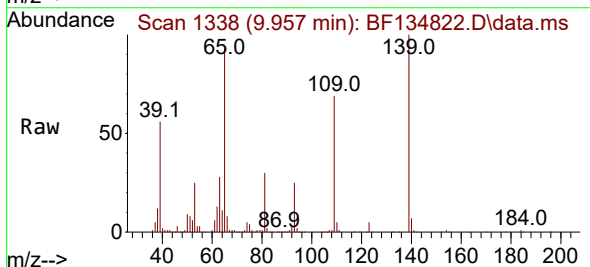
Instrument :
BNA_F
ClientSampleId :
E-4MS

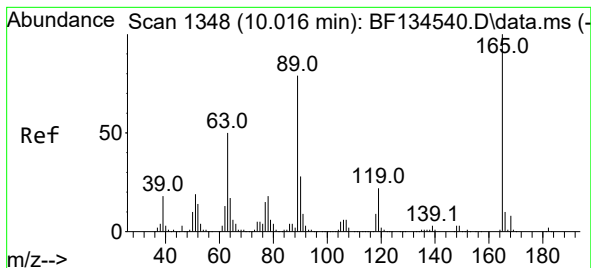
Tgt Ion:168 Resp: 1083187
Ion Ratio Lower Upper
168 100
139 37.3 33.4 50.2
169 13.1 10.6 15.8



#56
4-Nitrophenol
Concen: 79.838 ng
RT: 9.957 min Scan# 1338
Delta R.T. 0.006 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

Tgt Ion:139 Resp: 307012
Ion Ratio Lower Upper
139 100
109 69.2 76.9 116.9#
65 93.1 98.5 138.5#

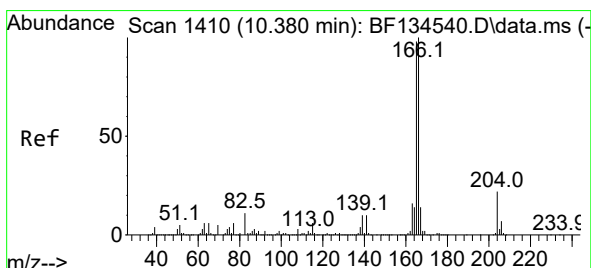
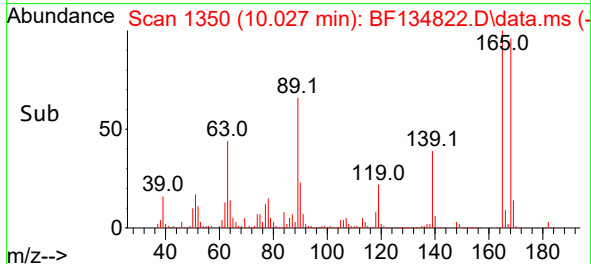
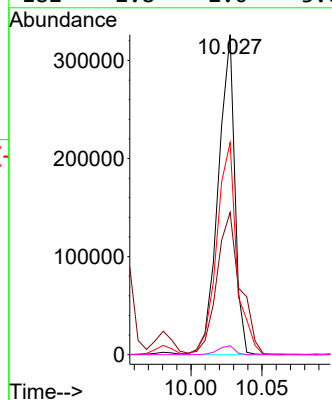
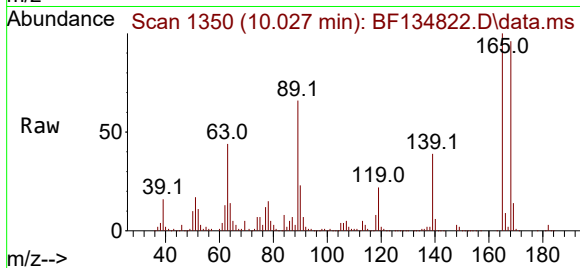




#57
2,4-Dinitrotoluene
Concen: 50.508 ng
RT: 10.027 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

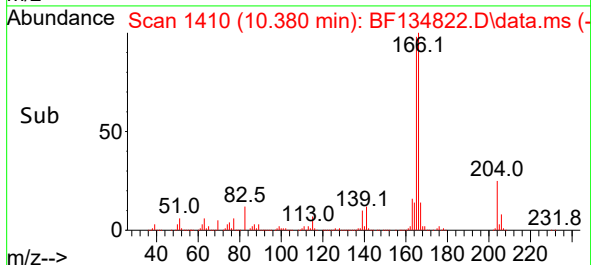
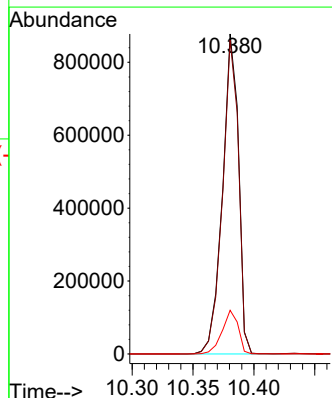
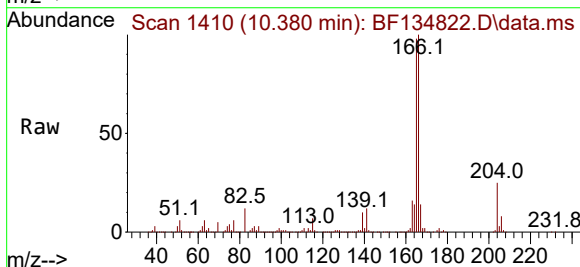
Instrument :
BNA_F
ClientSampleId :
E-4MS

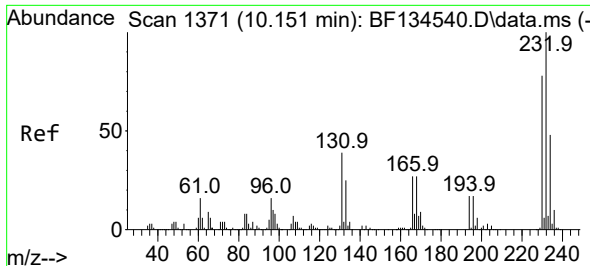
Tgt Ion:165 Resp: 264495
Ion Ratio Lower Upper
165 100
63 44.4 48.9 73.3#
89 66.3 61.7 92.5
182 2.8 2.0 3.0



#58
Fluorene
Concen: 42.396 ng
RT: 10.380 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

Tgt Ion:166 Resp: 807568
Ion Ratio Lower Upper
166 100
165 98.1 74.5 111.7
167 13.7 10.6 16.0

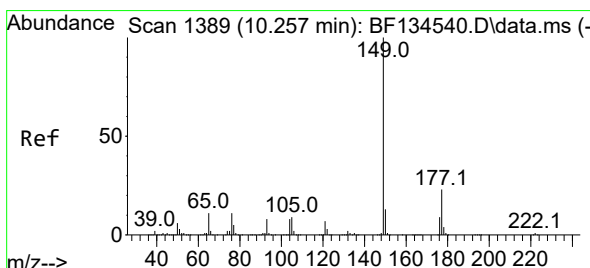
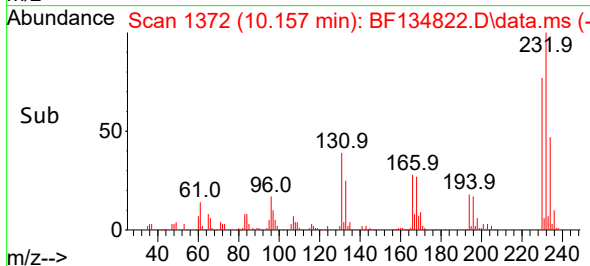
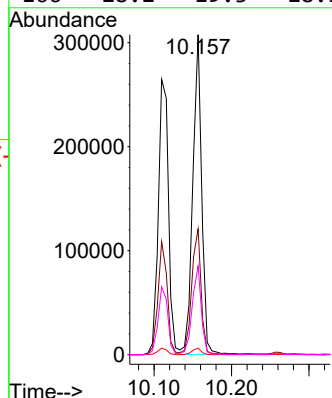
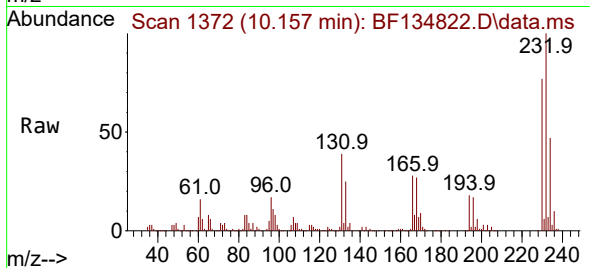




#59
2,3,4,6-Tetrachlorophenol
Concen: 46.073 ng
RT: 10.157 min Scan# 1371
Delta R.T. 0.000 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

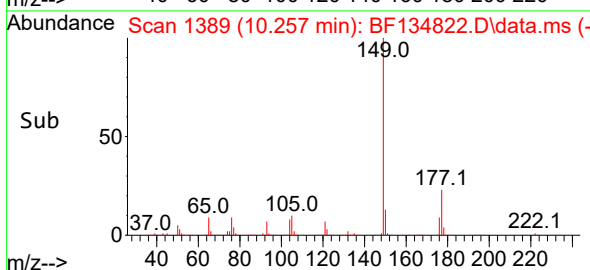
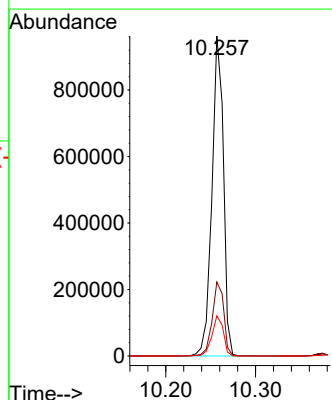
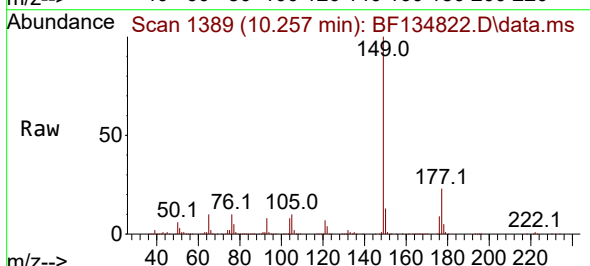
Instrument :
BNA_F
ClientSampleId :
E-4MS

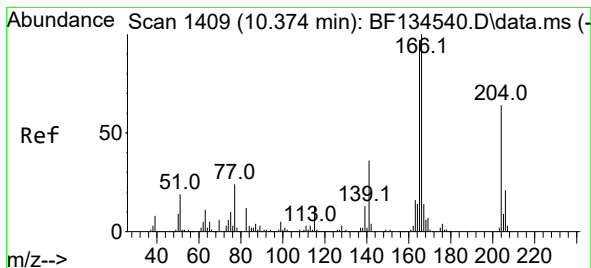
Tgt Ion:232 Resp: 245381
Ion Ratio Lower Upper
232 100
131 41.3 33.4 50.0
130 2.1 1.8 2.6
166 28.2 19.3 28.9



#60
Diethylphthalate
Concen: 42.700 ng
RT: 10.257 min Scan# 1389
Delta R.T. -0.012 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

Tgt Ion:149 Resp: 853772
Ion Ratio Lower Upper
149 100
177 23.1 17.0 25.4
150 12.5 9.9 14.9

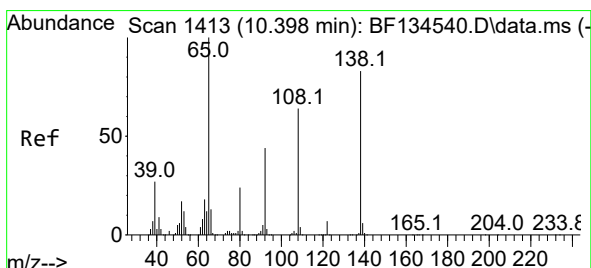
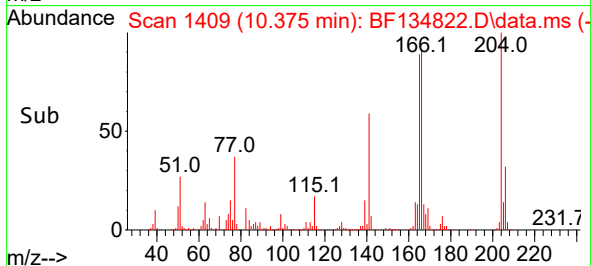
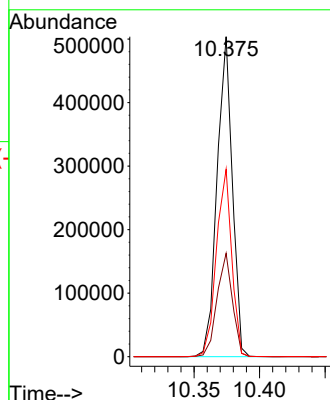
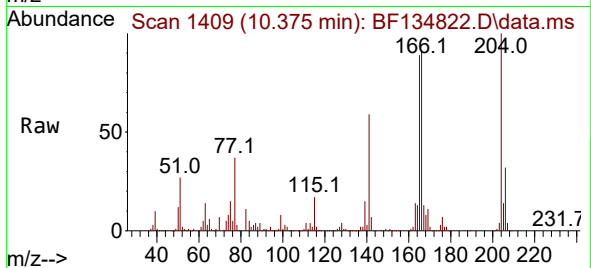




#61
4-Chlorophenyl-phenylether
Concen: 43.407 ng
RT: 10.375 min Scan# 1409
Delta R.T. -0.006 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

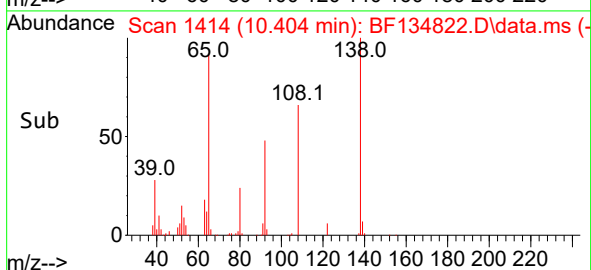
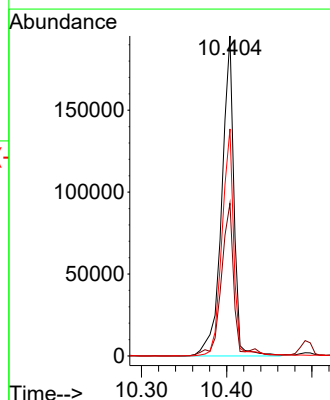
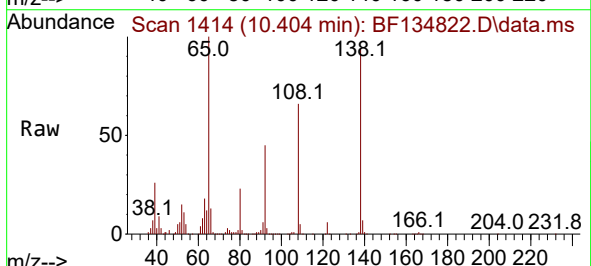
Instrument :
BNA_F
ClientSampleId :
E-4MS

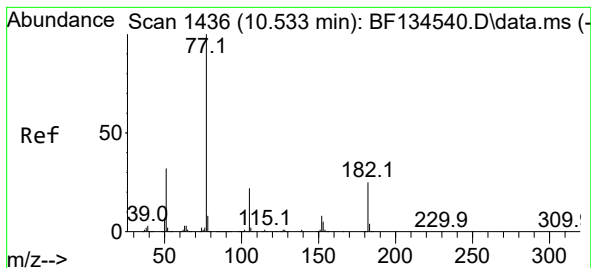
Tgt Ion:204 Resp: 406409
Ion Ratio Lower Upper
204 100
206 32.3 26.0 39.0
141 58.5 52.2 78.4



#62
4-Nitroaniline
Concen: 42.273 ng
RT: 10.404 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

Tgt Ion:138 Resp: 194813
Ion Ratio Lower Upper
138 100
92 47.7 27.0 67.0
108 70.9 70.4 110.4

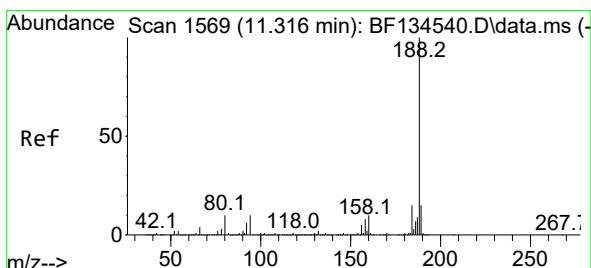
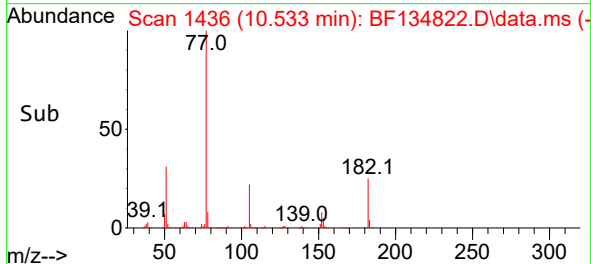
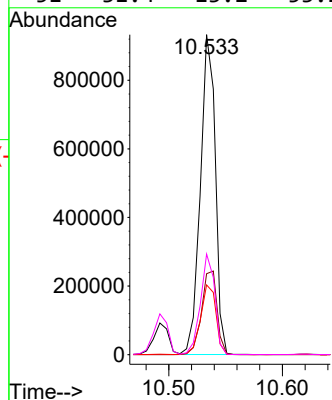
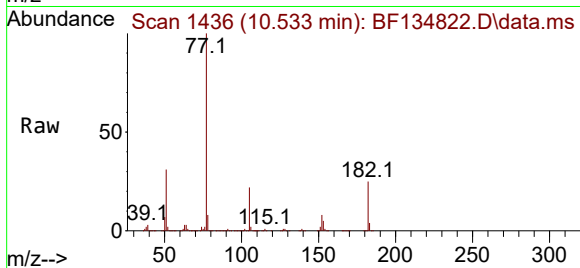




#63
Azobenzene
Concen: 39.759 ng
RT: 10.533 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

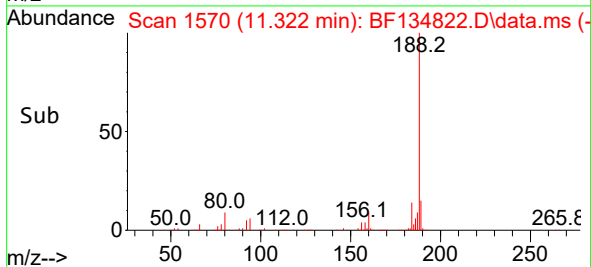
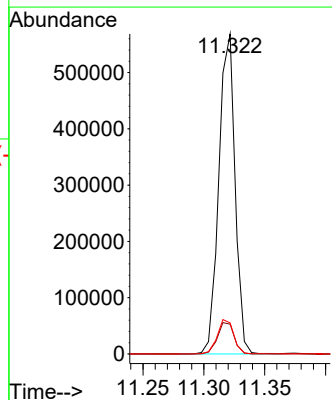
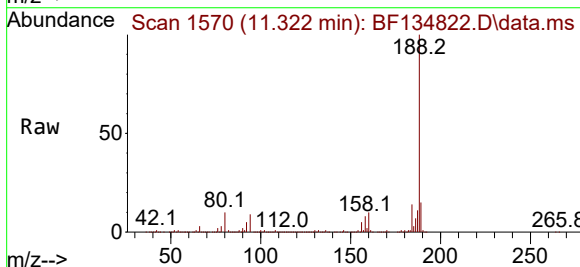
Instrument :
BNA_F
ClientSampleId :
E-4MS

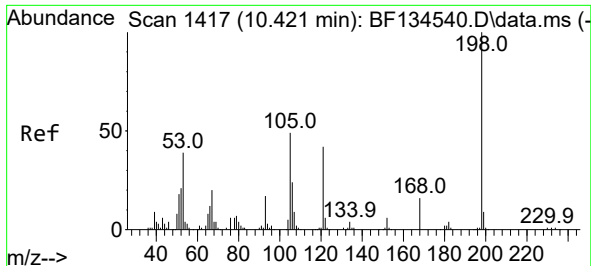
Tgt Ion: 77	Resp: 854122
Ion Ratio	Lower Upper
77 100	
182 25.3	7.5 47.5
105 21.8	1.9 41.9
51 31.4	13.2 53.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

Tgt Ion:188	Resp: 528877
Ion Ratio	Lower Upper
188 100	
94 9.3	5.1 7.7#
80 9.7	6.6 9.8

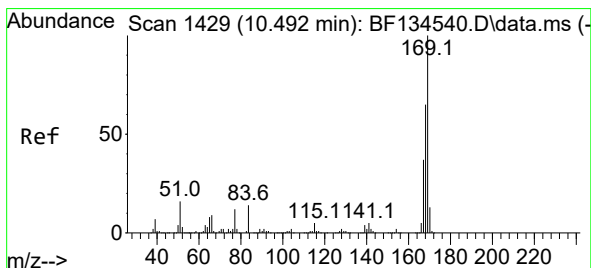
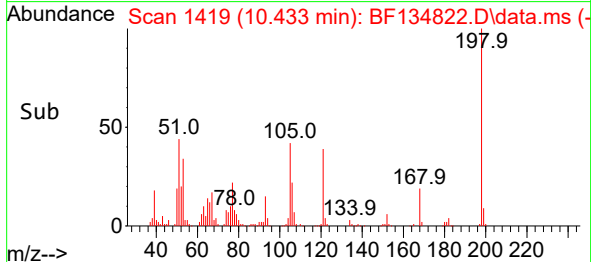
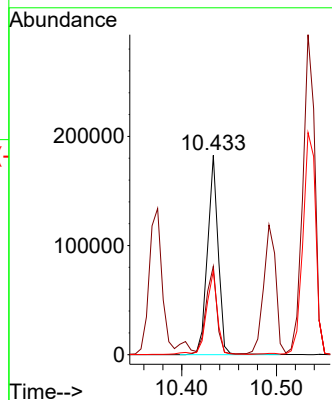
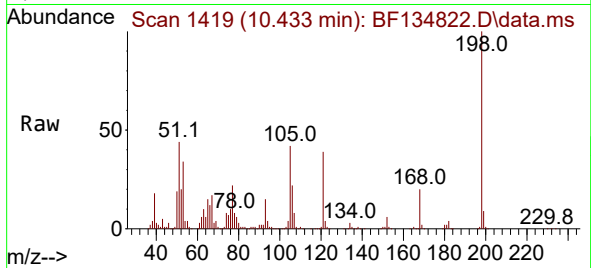




#65
4,6-Dinitro-2-methylphenol
Concen: 63.346 ng
RT: 10.433 min Scan# 1417
Delta R.T. -0.006 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

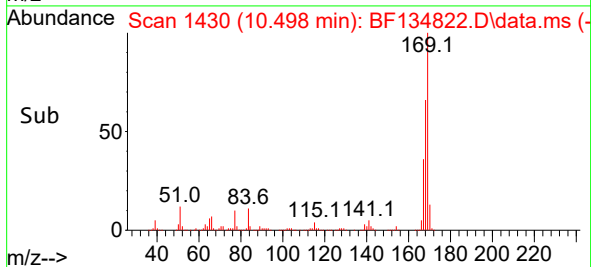
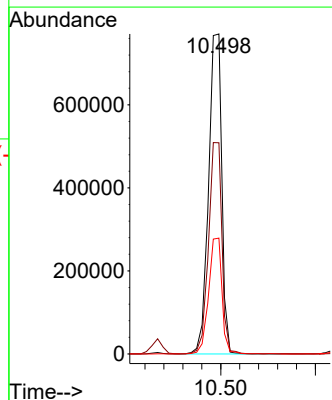
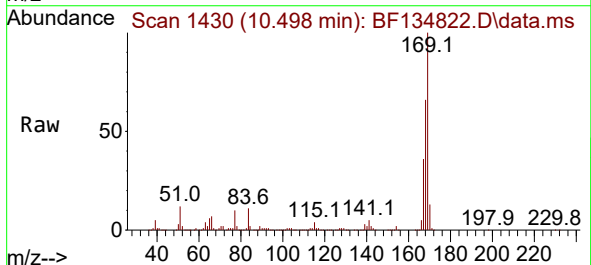
Instrument :
BNA_F
ClientSampleId :
E-4MS

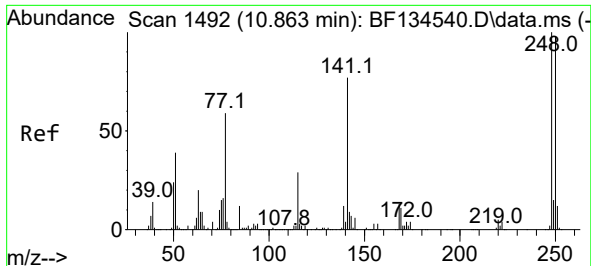
Tgt Ion:198 Resp: 142669
Ion Ratio Lower Upper
198 100
51 44.3 38.6 78.6
105 41.9 27.9 67.9



#66
n-Nitrosodiphenylamine
Concen: 44.212 ng
RT: 10.498 min Scan# 1430
Delta R.T. -0.006 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

Tgt Ion:169 Resp: 744253
Ion Ratio Lower Upper
169 100
168 66.0 52.6 78.8
167 36.2 29.8 44.8

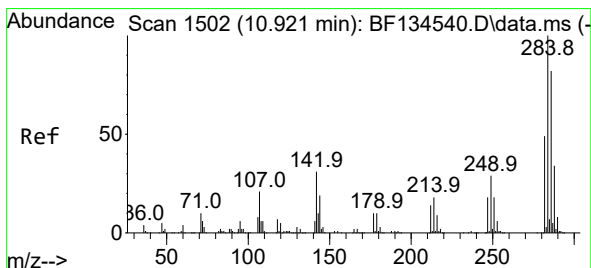
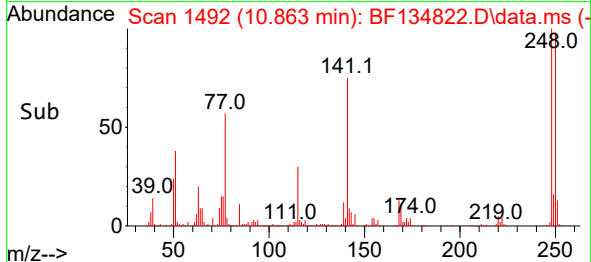
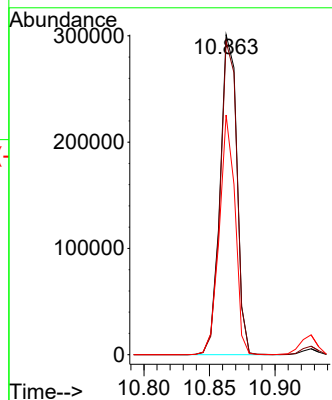
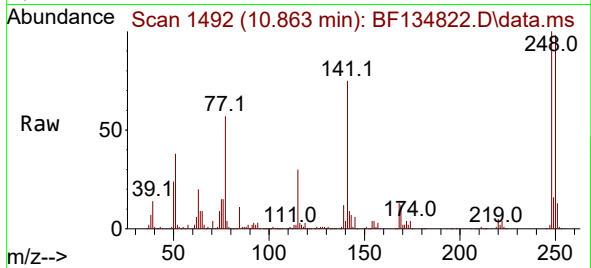




#67
4-Bromophenyl-phenylether
Concen: 46.182 ng
RT: 10.863 min Scan# 1492
Delta R.T. -0.006 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

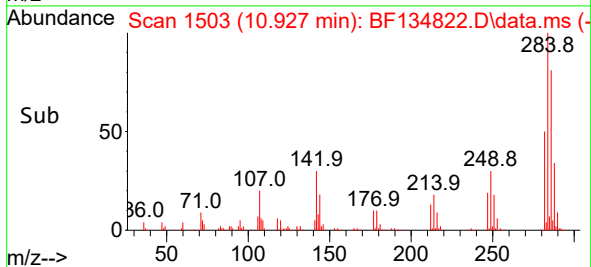
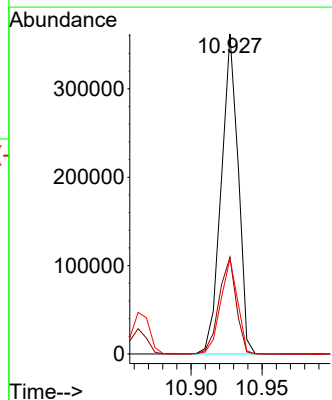
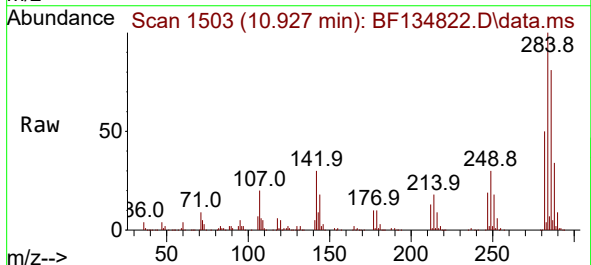
Instrument :
BNA_F
ClientSampleId :
E-4MS

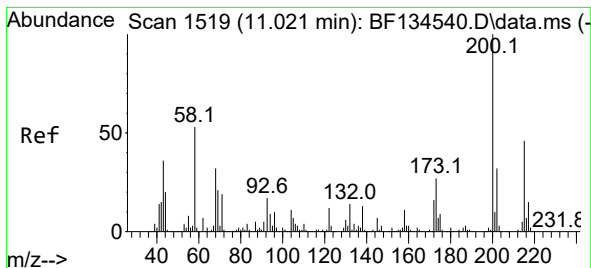
Tgt Ion:248 Resp: 267375
Ion Ratio Lower Upper
248 100
250 97.9 79.6 119.4
141 74.9 59.6 89.4



#68
Hexachlorobenzene
Concen: 48.807 ng
RT: 10.927 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

Tgt Ion:284 Resp: 298387
Ion Ratio Lower Upper
284 100
142 30.3 26.5 39.7
249 29.8 23.8 35.8





#69

Atrazine

Concen: 52.447 ng

RT: 11.027 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134822.D

Acq: 17 Aug 2023 17:52

Instrument :

BNA_F

ClientSampleId :

E-4MS

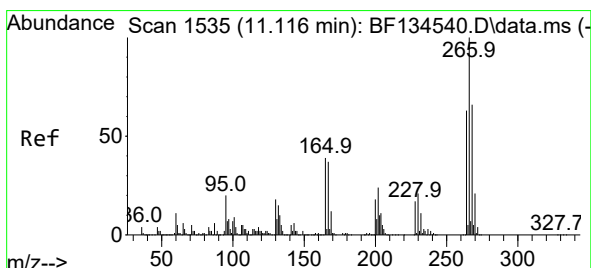
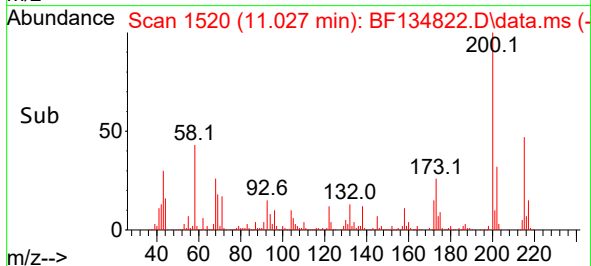
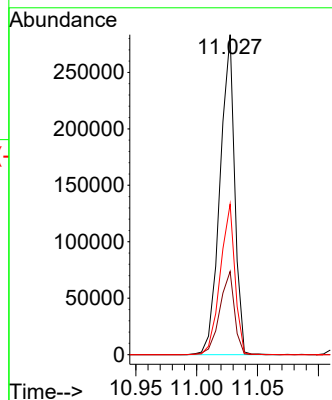
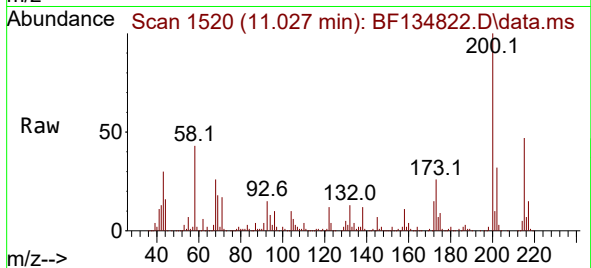
Tgt Ion:200 Resp: 237964

Ion Ratio Lower Upper

200 100

173 26.0 6.1 46.1

215 47.1 29.7 69.7



#70

Pentachlorophenol

Concen: 72.465 ng

RT: 11.122 min Scan# 1536

Delta R.T. -0.006 min

Lab File: BF134822.D

Acq: 17 Aug 2023 17:52

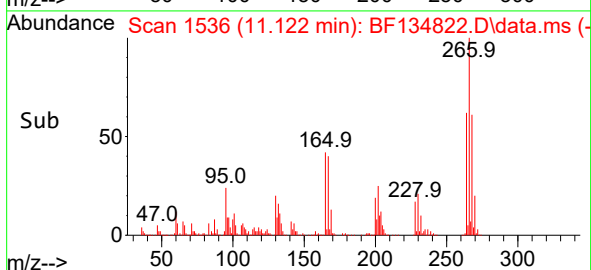
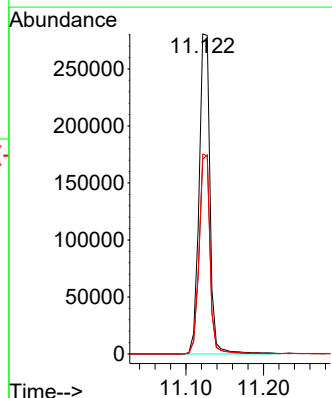
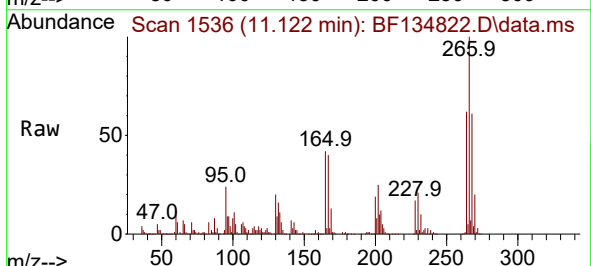
Tgt Ion:266 Resp: 274305

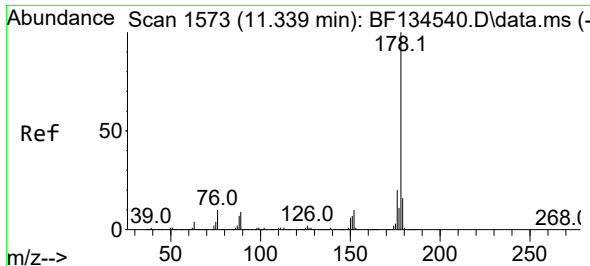
Ion Ratio Lower Upper

266 100

268 60.9 52.9 79.3

264 62.5 47.8 71.6

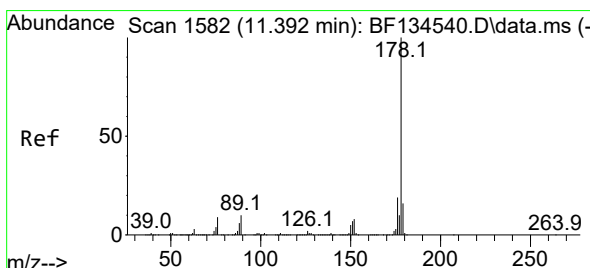
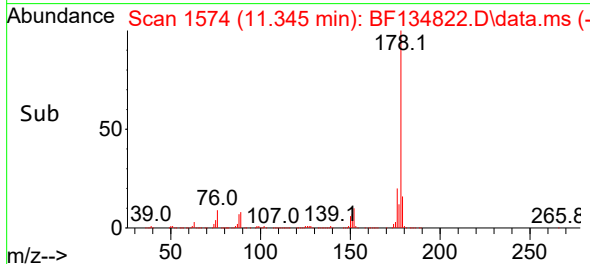
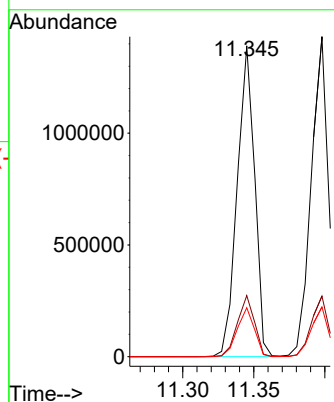
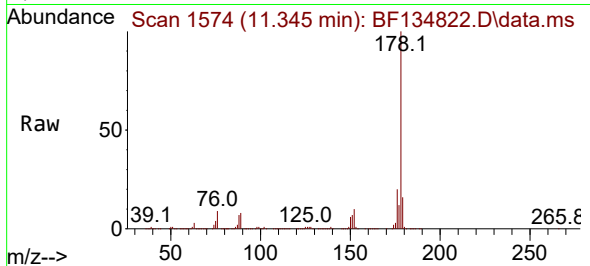




#71
Phenanthrene
Concen: 42.455 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

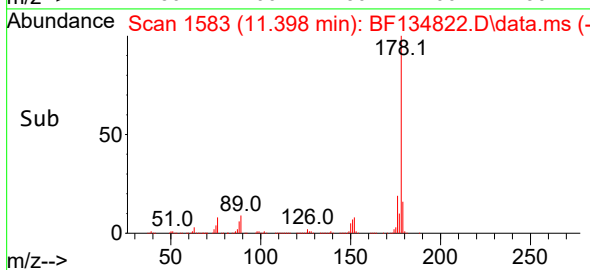
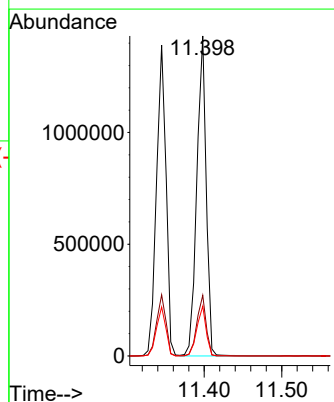
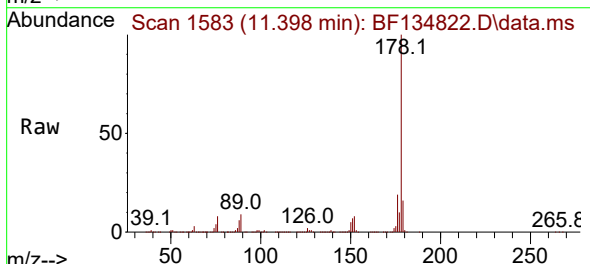
Instrument :
BNA_F
ClientSampleId :
E-4MS

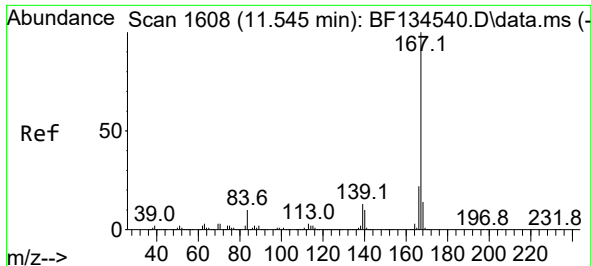
Tgt Ion:178 Resp: 1192650
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.6
179 15.7 12.7 19.1



#72
Anthracene
Concen: 42.014 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

Tgt Ion:178 Resp: 1205555
Ion Ratio Lower Upper
178 100
176 18.9 14.6 21.8
179 15.6 12.3 18.5

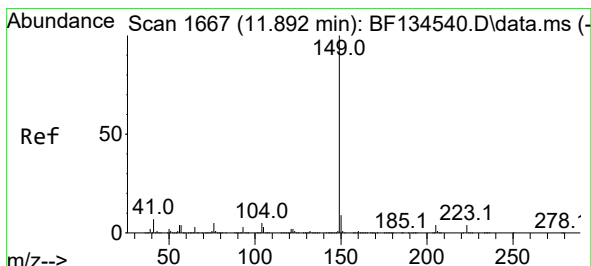
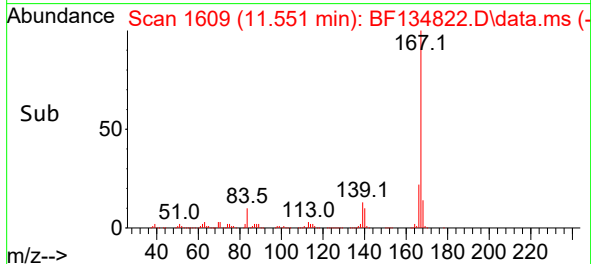
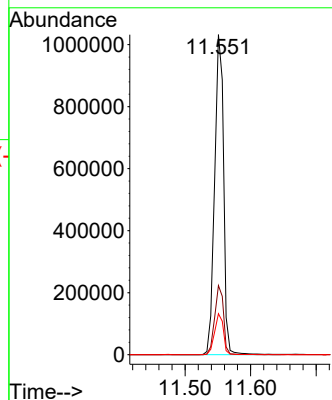
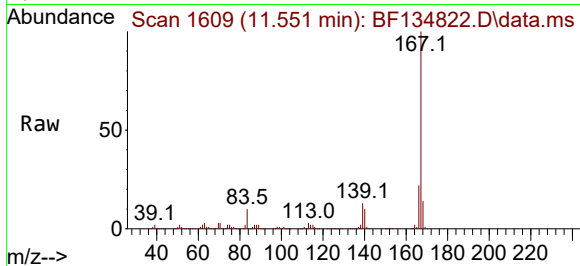




#73
Carbazole
Concen: 38.338 ng
RT: 11.551 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

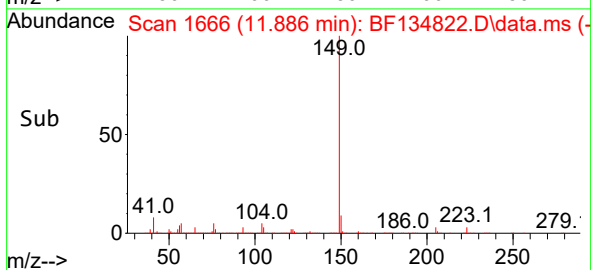
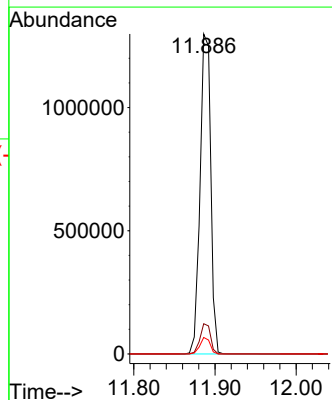
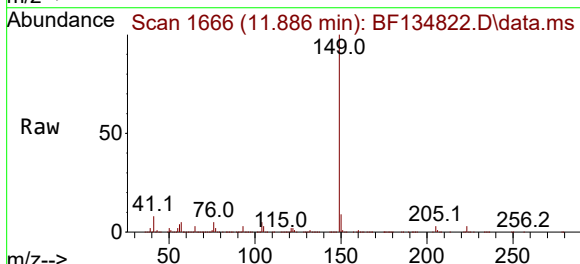
Instrument :
BNA_F
ClientSampleId :
E-4MS

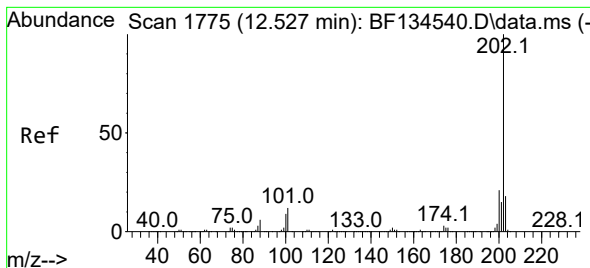
Tgt Ion:167 Resp: 982240
Ion Ratio Lower Upper
167 100
166 21.6 17.5 26.3
139 12.8 11.0 16.4



#74
Di-n-butylphthalate
Concen: 43.876 ng
RT: 11.886 min Scan# 1666
Delta R.T. -0.012 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

Tgt Ion:149 Resp: 1194267
Ion Ratio Lower Upper
149 100
150 9.5 7.2 10.8
104 5.2 3.8 5.8





#75

Fluoranthene

Concen: 35.886 ng

RT: 12.533 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134822.D

Acq: 17 Aug 2023 17:52

Instrument :

BNA_F

ClientSampleId :

E-4MS

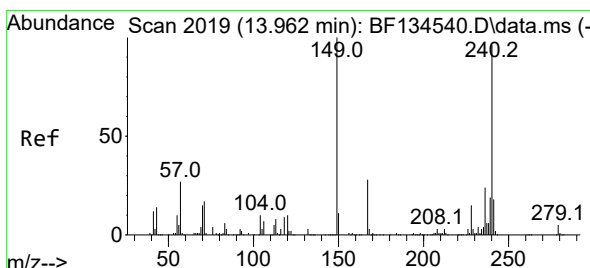
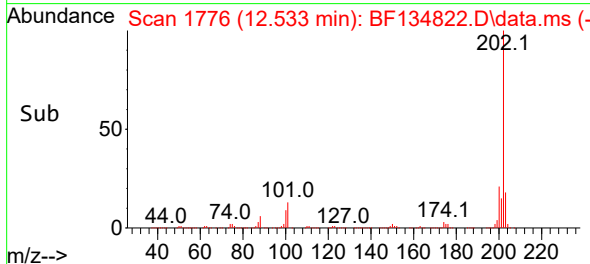
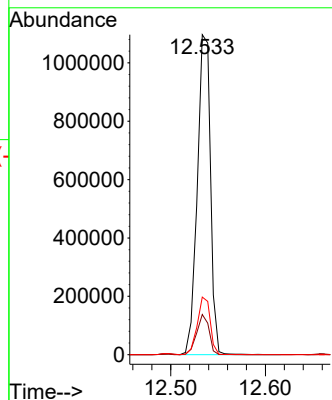
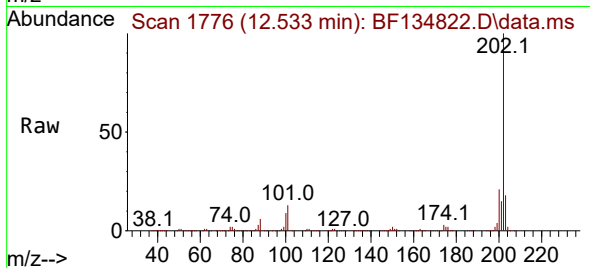
Tgt Ion:202 Resp: 1064867

Ion Ratio Lower Upper

202 100

101 12.5 0.0 28.5

203 18.0 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 2020

Delta R.T. -0.006 min

Lab File: BF134822.D

Acq: 17 Aug 2023 17:52

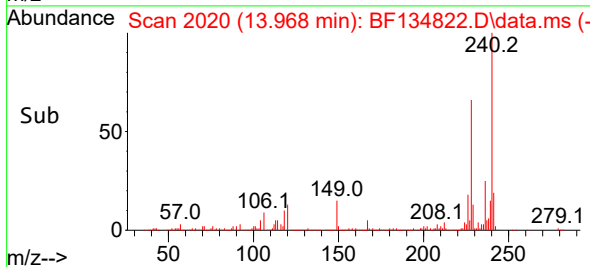
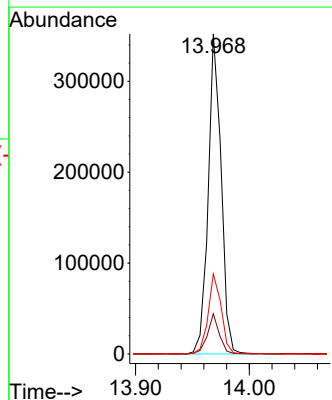
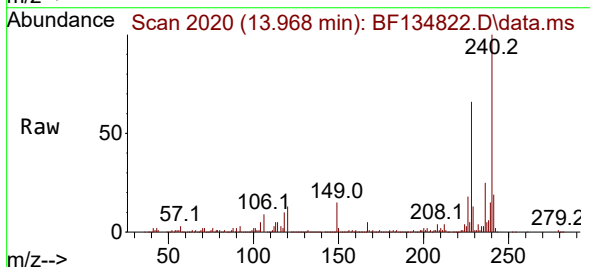
Tgt Ion:240 Resp: 277333

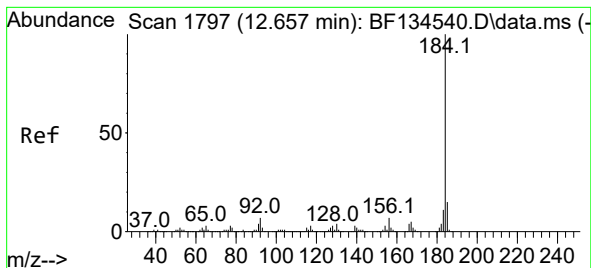
Ion Ratio Lower Upper

240 100

120 12.5 6.6 10.0#

236 25.0 20.2 30.2





#77

Benzidine

Concen: 53.080 ng

RT: 12.663 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134822.D

Acq: 17 Aug 2023 17:52

Instrument :

BNA_F

ClientSampleId :

E-4MS

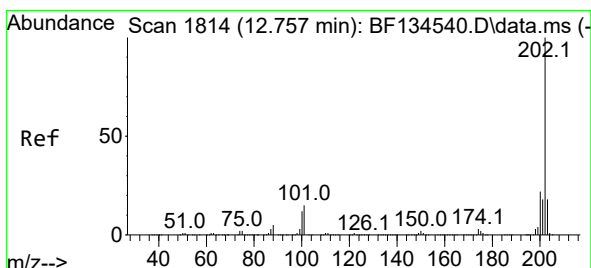
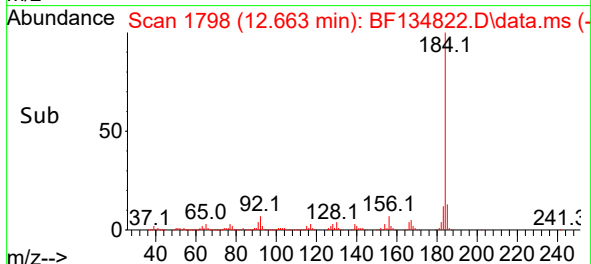
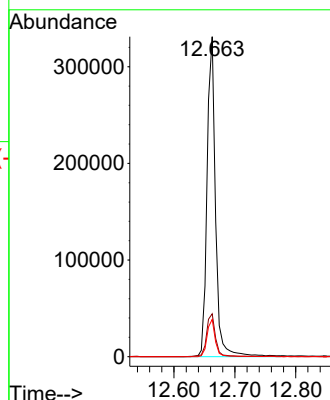
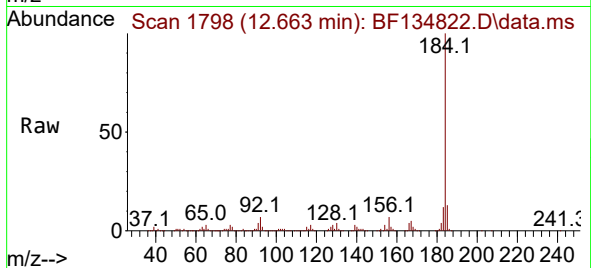
Tgt Ion:184 Resp: 319557

Ion Ratio Lower Upper

184 100

185 13.4 11.2 16.8

183 11.7 8.6 13.0



#78

Pyrene

Concen: 43.938 ng

RT: 12.768 min Scan# 1816

Delta R.T. 0.000 min

Lab File: BF134822.D

Acq: 17 Aug 2023 17:52

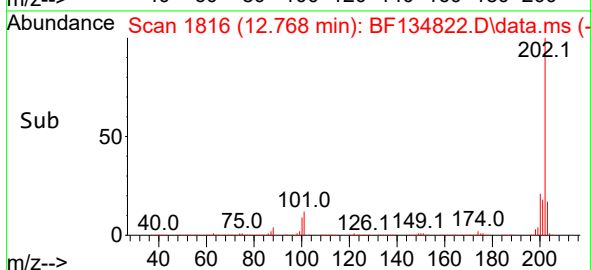
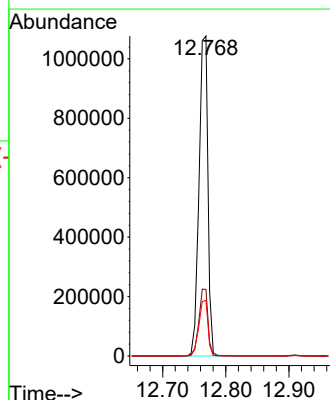
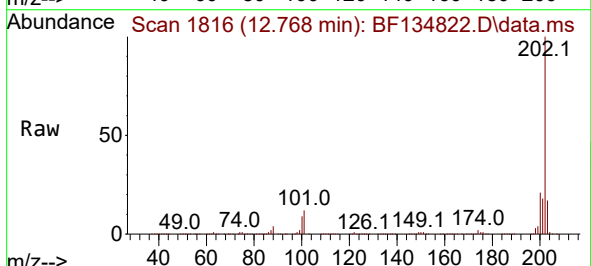
Tgt Ion:202 Resp: 1054434

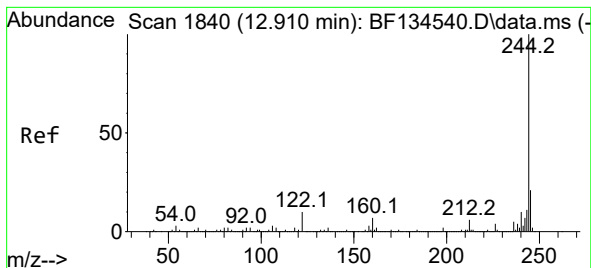
Ion Ratio Lower Upper

202 100

200 20.8 15.8 23.8

203 17.3 13.5 20.3





#79

Terphenyl-d14

Concen: 56.922 ng

RT: 12.910 min Scan# 1840

Delta R.T. -0.012 min

Lab File: BF134822.D

Acq: 17 Aug 2023 17:52

Instrument :

BNA_F

ClientSampleId :

E-4MS

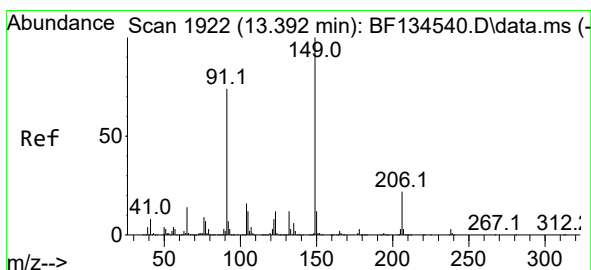
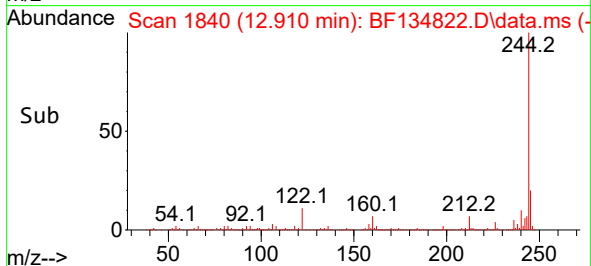
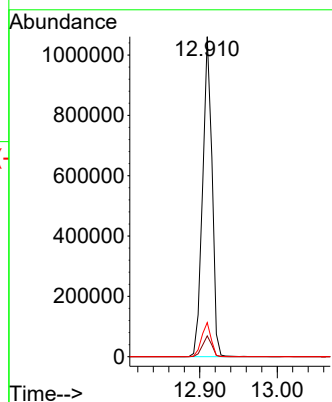
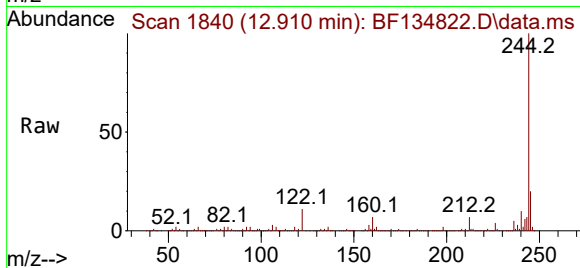
Tgt Ion:244 Resp: 895496

Ion Ratio Lower Upper

244 100

212 6.5 5.6 8.4

122 10.7 8.0 12.0



#80

Butylbenzylphthalate

Concen: 45.501 ng

RT: 13.392 min Scan# 1922

Delta R.T. -0.006 min

Lab File: BF134822.D

Acq: 17 Aug 2023 17:52

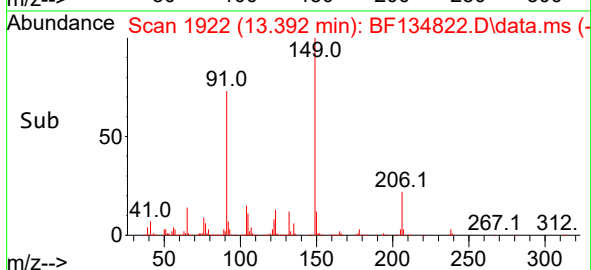
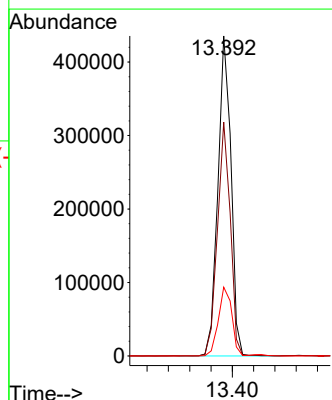
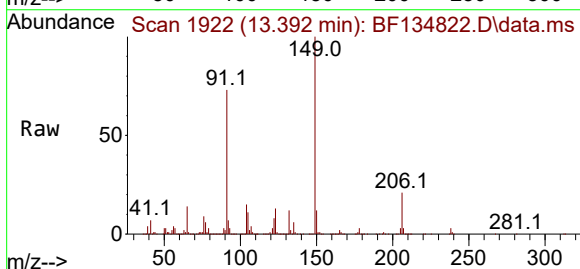
Tgt Ion:149 Resp: 369229

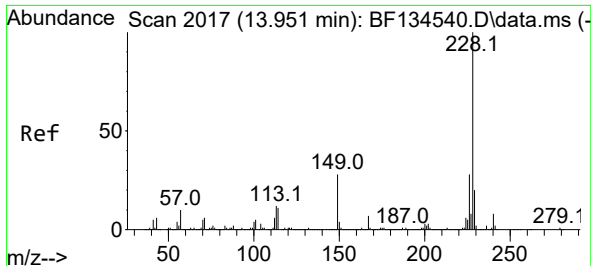
Ion Ratio Lower Upper

149 100

91 73.1 55.8 83.6

206 21.5 14.6 21.8

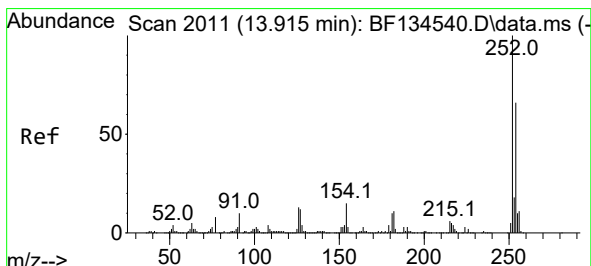
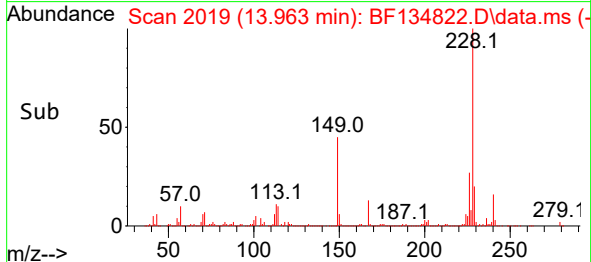
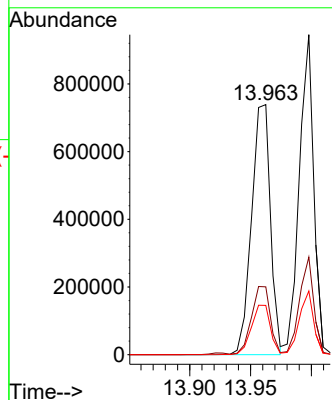
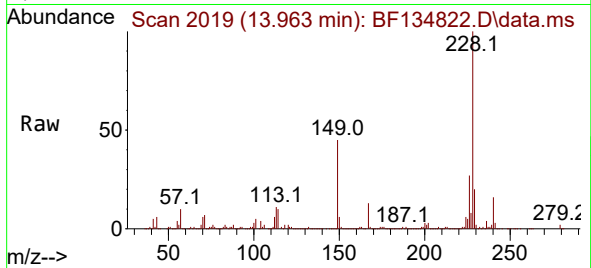




#81
Benzo(a)anthracene
Concen: 40.214 ng
RT: 13.963 min Scan# 2013
Delta R.T. 0.000 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

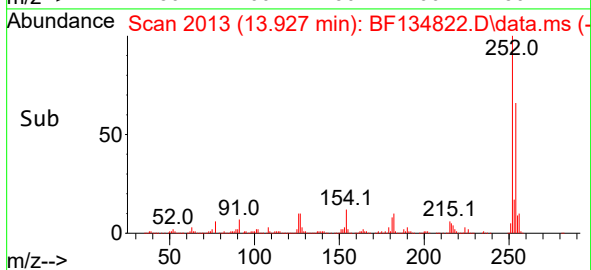
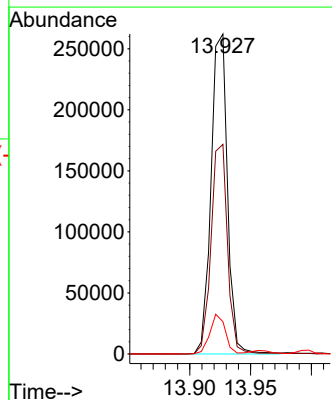
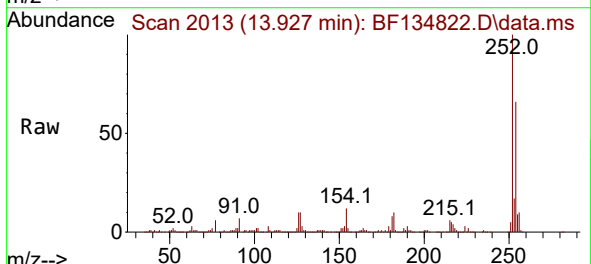
Instrument :
BNA_F
ClientSampleId :
E-4MS

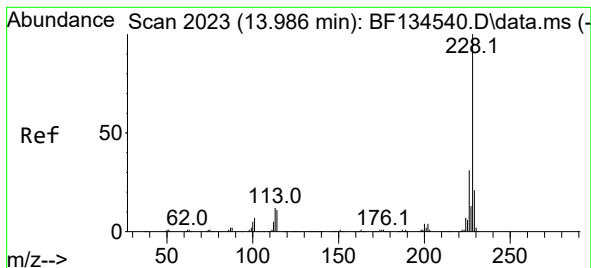
Tgt Ion:228 Resp: 797475
Ion Ratio Lower Upper
228 100
226 27.1 22.3 33.5
229 19.7 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 42.873 ng
RT: 13.927 min Scan# 2013
Delta R.T. 0.000 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

Tgt Ion:252 Resp: 246440
Ion Ratio Lower Upper
252 100
254 65.5 52.7 79.1
126 10.1 7.2 10.8





#83

Chrysene

Concen: 40.950 ng

RT: 13.998 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF134822.D

Acq: 17 Aug 2023 17:52

Instrument :

BNA_F

ClientSampleId :

E-4MS

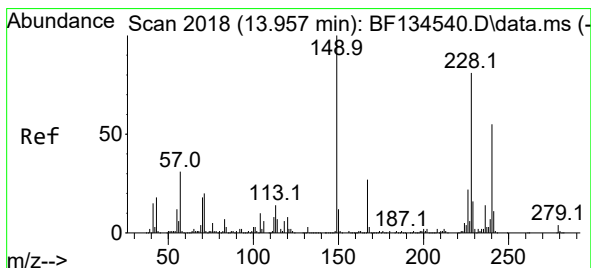
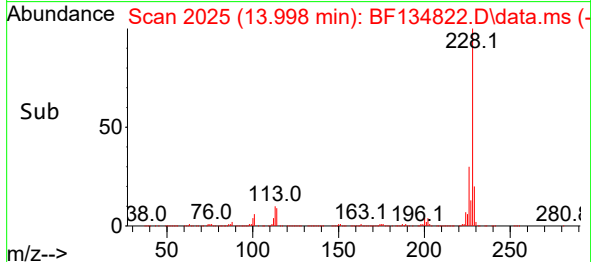
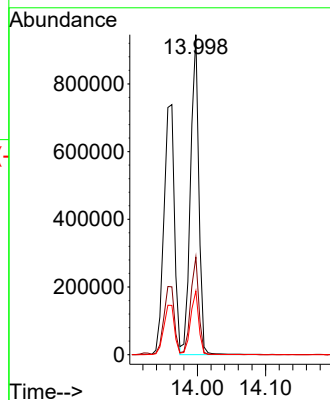
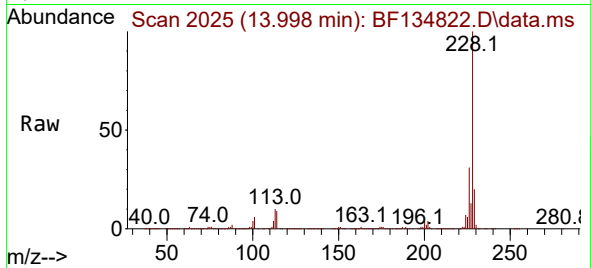
Tgt Ion:228 Resp: 791160

Ion Ratio Lower Upper

228 100

226 30.5 24.5 36.7

229 19.9 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 47.268 ng

RT: 13.957 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BF134822.D

Acq: 17 Aug 2023 17:52

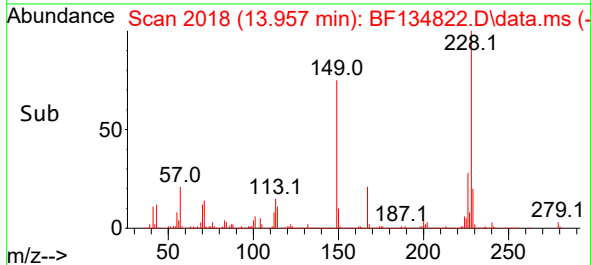
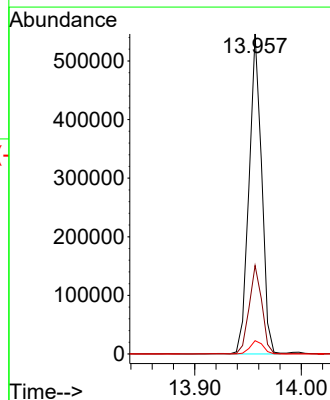
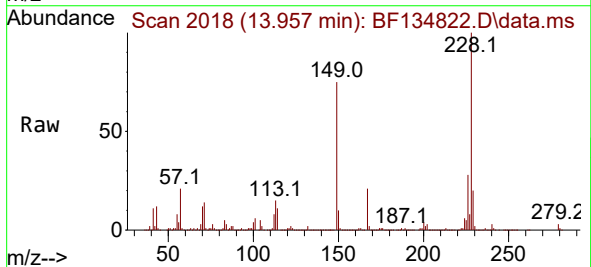
Tgt Ion:149 Resp: 451390

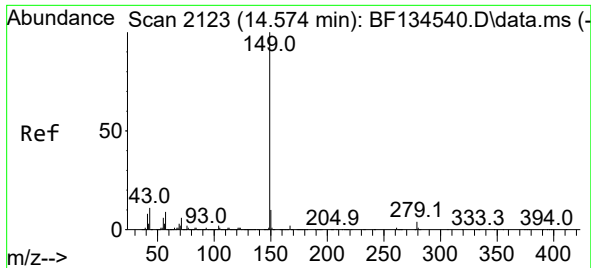
Ion Ratio Lower Upper

149 100

167 27.7 21.6 32.4

279 4.2 3.5 5.3

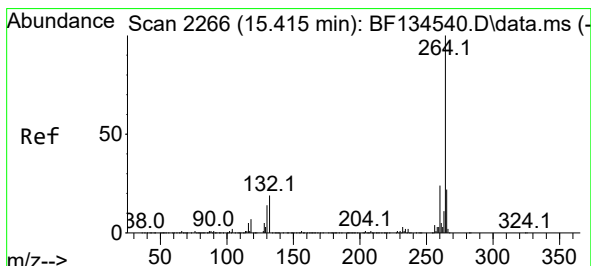
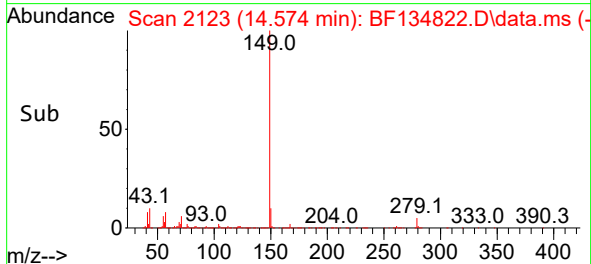
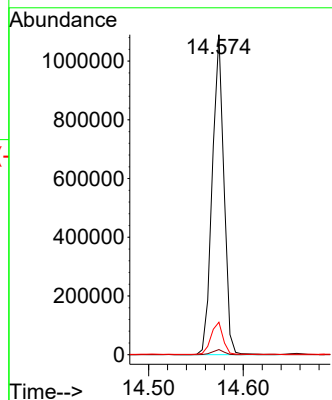
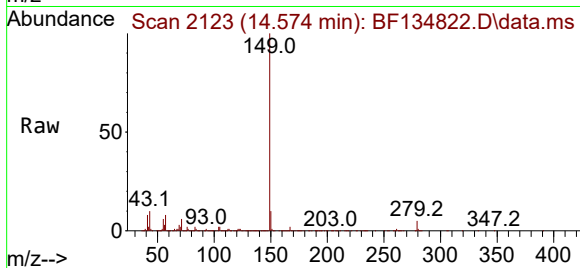




#85
Di-n-octyl phthalate
Concen: 63.956 ng
RT: 14.574 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

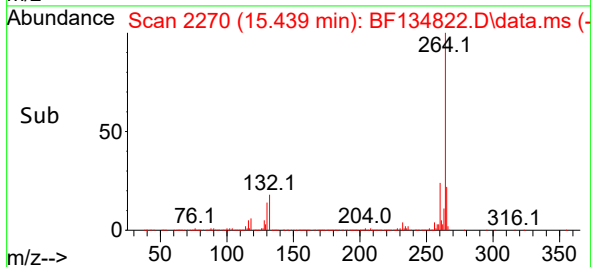
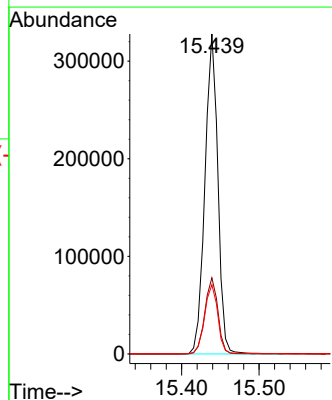
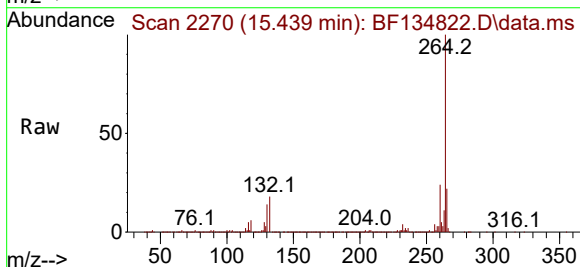
Instrument :
BNA_F
ClientSampleId :
E-4MS

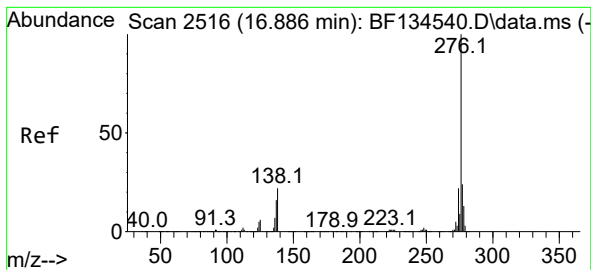
Tgt Ion:149 Resp: 928774
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 10.4 8.1 12.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

Tgt Ion:264 Resp: 379090
Ion Ratio Lower Upper
264 100
260 23.8 18.4 27.6
265 21.6 15.8 23.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 54.269 ng

RT: 16.933 min Scan# 2197

Delta R.T. 0.006 min

Lab File: BF134822.D

Acq: 17 Aug 2023 17:52

Instrument :

BNA_F

ClientSampleId :

E-4MS

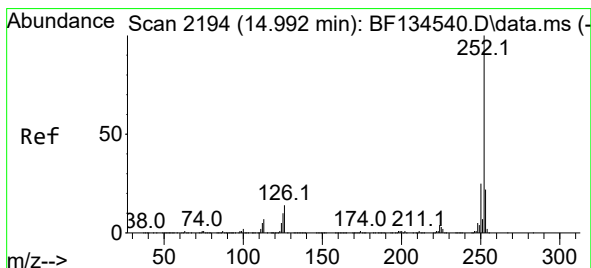
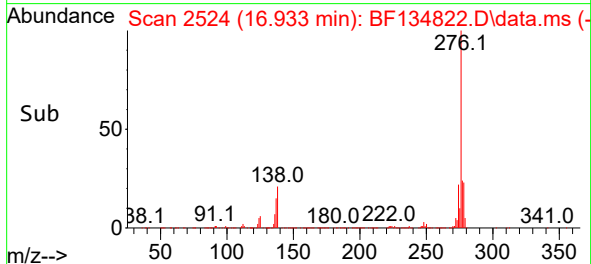
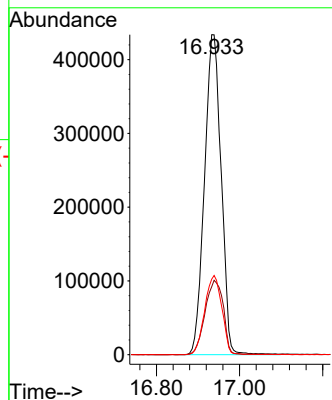
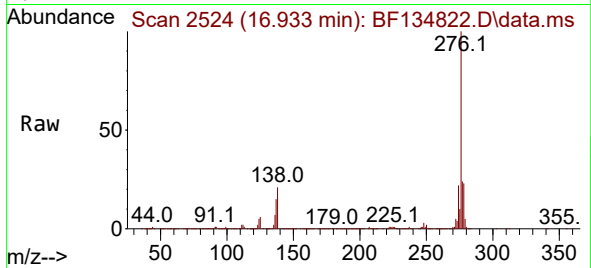
Tgt Ion:276 Resp: 1209935

Ion Ratio Lower Upper

276 100

138 25.4 14.2 21.4#

277 25.4 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 44.091 ng

RT: 15.009 min Scan# 2197

Delta R.T. 0.000 min

Lab File: BF134822.D

Acq: 17 Aug 2023 17:52

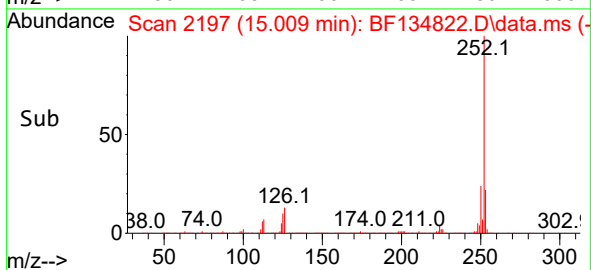
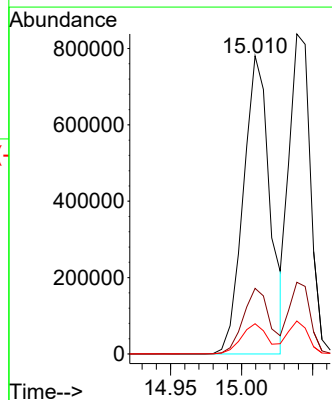
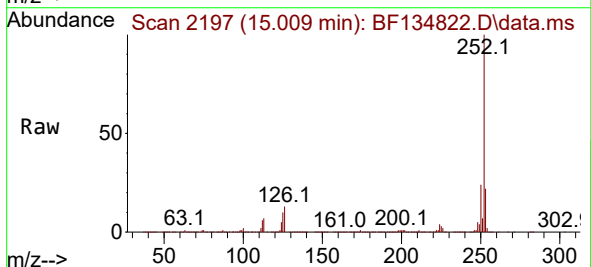
Tgt Ion:252 Resp: 1019404

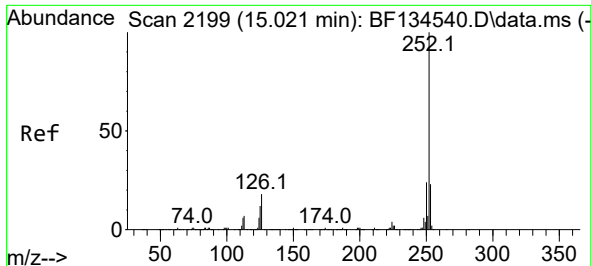
Ion Ratio Lower Upper

252 100

253 22.0 17.3 25.9

125 10.1 6.0 9.0#

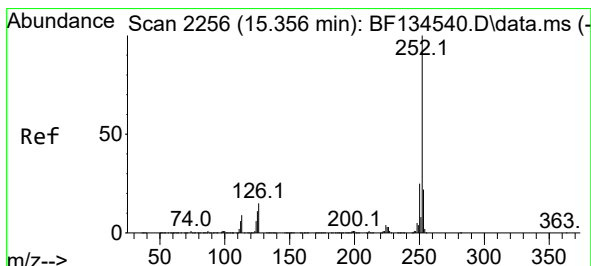
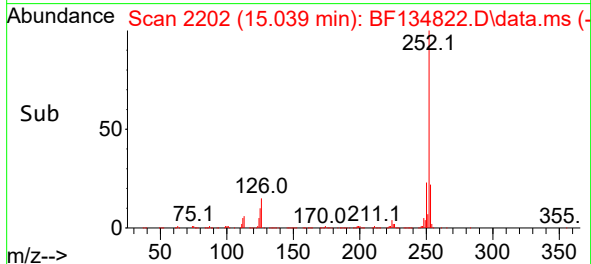
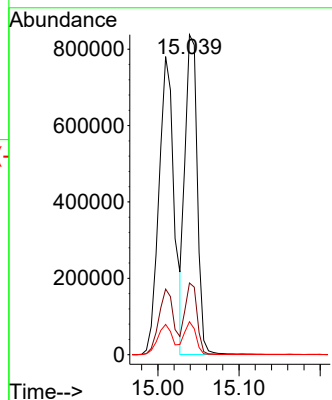
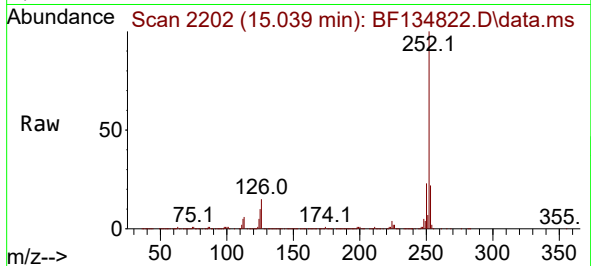




#89
Benzo(k)fluoranthene
Concen: 38.021 ng
RT: 15.039 min Scan# 2199
Delta R.T. 0.000 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

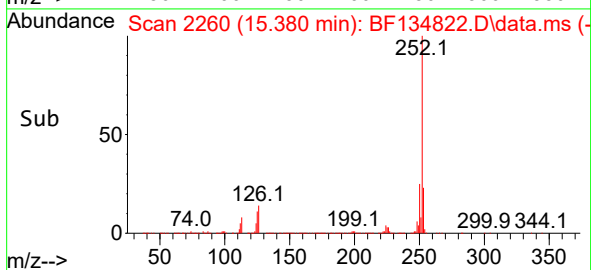
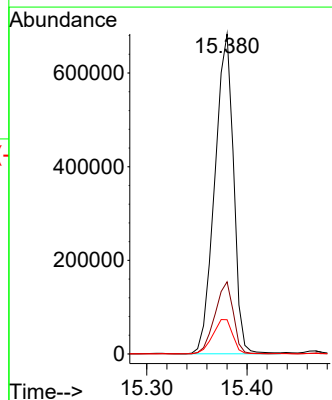
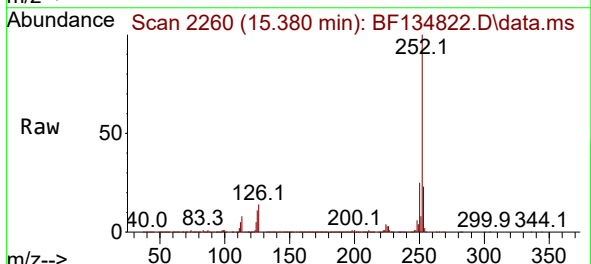
Instrument :
BNA_F
ClientSampleId :
E-4MS

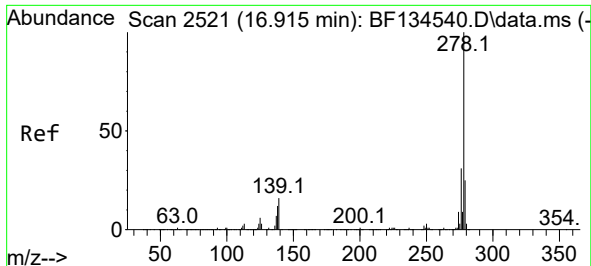
Tgt Ion:252 Resp: 875680
Ion Ratio Lower Upper
252 100
253 22.4 17.9 26.9
125 10.3 6.3 9.5#



#90
Benzo(a)pyrene
Concen: 41.150 ng
RT: 15.380 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BF134822.D
Acq: 17 Aug 2023 17:52

Tgt Ion:252 Resp: 887060
Ion Ratio Lower Upper
252 100
253 22.6 17.0 25.4
125 10.7 6.2 9.4#

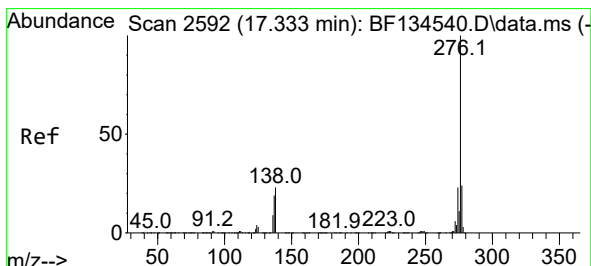
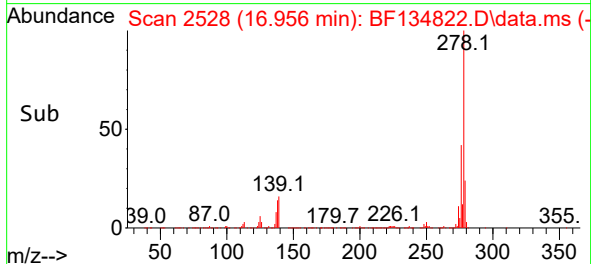
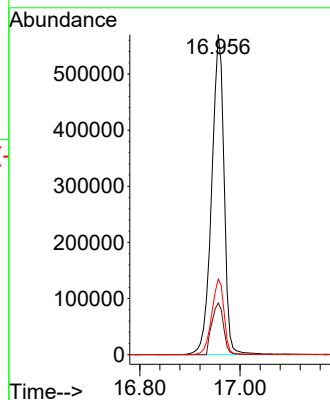
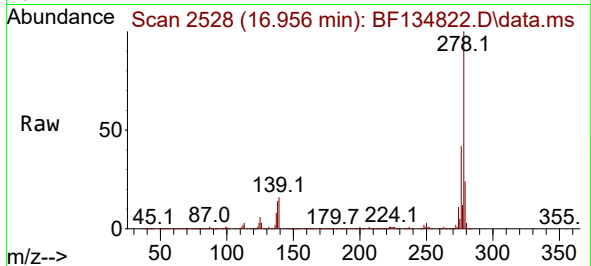




#91
 Dibenzo(a,h)anthracene
 Concen: 54.470 ng
 RT: 16.956 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF134822.D
 Acq: 17 Aug 2023 17:52

Instrument :
 BNA_F
 ClientSampleId :
 E-4MS

Tgt Ion:278 Resp: 981436
 Ion Ratio Lower Upper
 278 100
 139 16.2 10.0 15.0#
 279 23.6 19.7 29.5



#92
 Benzo(g,h,i)perylene
 Concen: 53.069 ng
 RT: 17.392 min Scan# 2602
 Delta R.T. 0.018 min
 Lab File: BF134822.D
 Acq: 17 Aug 2023 17:52

Tgt Ion:276 Resp: 975384
 Ion Ratio Lower Upper
 276 100
 277 24.3 19.0 28.6
 138 23.0 12.2 18.2#

