

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062325\
 Data File : BF142808.D
 Acq On : 23 Jun 2025 16:12
 Operator : RC/JU
 Sample : Q2389-01MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-J-IMS

Quant Time: Jun 24 06:42:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	70781	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	264201	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	135537	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	225442	20.000	ng	0.00
76) Chrysene-d12	14.057	240	139103	20.000	ng	0.00
86) Perylene-d12	15.545	264	166253	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	268191	63.084	ng	0.00
7) Phenol-d6	6.504	99	320282	63.856	ng	0.00
23) Nitrobenzene-d5	7.440	82	188258	39.084	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	94217	67.550	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	403933	39.151	ng	0.00
79) Terphenyl-d14	12.992	244	359958	35.754	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.663	88	65369	38.443	ng	98
3) Pyridine	3.428	79	170718	40.047	ng	99
4) n-Nitrosodimethylamine	3.381	42	96914	43.964	ng	99
6) Aniline	6.540	93	206972	31.012	ng	97
8) 2-Chlorophenol	6.663	128	208537	45.473	ng	98
9) Benzaldehyde	6.428	77	127529	42.857	ng	99
10) Phenol	6.522	94	248130	44.505	ng	98
11) bis(2-Chloroethyl)ether	6.610	93	181475	45.542	ng	100
12) 1,3-Dichlorobenzene	6.822	146	227225	44.303	ng	99
13) 1,4-Dichlorobenzene	6.898	146	228681	44.193	ng	99
14) 1,2-Dichlorobenzene	7.051	146	219797	44.783	ng	100
15) Benzyl Alcohol	7.022	79	167448	46.180	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	280220	43.770	ng	97
17) 2-Methylphenol	7.134	107	157903	45.436	ng	99
18) Hexachloroethane	7.393	117	80844	44.667	ng	98
19) n-Nitroso-di-n-propyla...	7.287	70	131860	45.202	ng	99
20) 3+4-Methylphenols	7.287	107	196514	45.352	ng	92
22) Acetophenone	7.287	105	267657	45.941	ng	98
24) Nitrobenzene	7.463	77	197903	45.395	ng	97
25) Isophorone	7.698	82	356876	46.187	ng	99
26) 2-Nitrophenol	7.781	139	111733	47.049	ng	99
27) 2,4-Dimethylphenol	7.816	122	188258	45.764	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	224519	45.705	ng	100
29) 2,4-Dichlorophenol	8.022	162	173710	46.572	ng	100
30) 1,2,4-Trichlorobenzene	8.104	180	187032	45.601	ng	98
31) Naphthalene	8.187	128	589443	45.579	ng	100
32) Benzoic acid	7.928	122	110429	52.669	ng	99
33) 4-Chloroaniline	8.234	127	85183	16.199	ng	98
34) Hexachlorobutadiene	8.298	225	112014	44.649	ng	98
35) Caprolactam	8.604	113	53309	54.162	ng	99
36) 4-Chloro-3-methylphenol	8.716	107	172642	46.573	ng	99
37) 2-Methylnaphthalene	8.875	142	364745	45.494	ng	99
38) 1-Methylnaphthalene	8.975	142	382910	46.136	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	185866	46.475	ng	98
41) Hexachlorocyclopentadiene	9.034	237	225224	99.240	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	124748	47.869	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062325\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	132340	48.242	ng	99
46) 1,1'-Biphenyl	9.339	154	503875	47.062	ng	100
47) 2-Chloronaphthalene	9.369	162	368966	45.922	ng	100
48) 2-Nitroaniline	9.463	65	110011	48.839	ng	98
49) Acenaphthylene	9.786	152	622961	47.099	ng	100
50) Dimethylphthalate	9.639	163	427012	48.671	ng	99
51) 2,6-Dinitrotoluene	9.704	165	96140	49.898	ng	96
52) Acenaphthene	9.957	154	413525	51.243	ng	100
53) 3-Nitroaniline	9.875	138	52612	24.801	ng	98
54) 2,4-Dinitrophenol	9.986	184	99027	102.646	ng	93
55) Dibenzofuran	10.128	168	547283	47.294	ng	100
56) 4-Nitrophenol	10.039	139	144848	99.739	ng	99
57) 2,4-Dinitrotoluene	10.110	165	128293	50.129	ng	99
58) Fluorene	10.469	166	426738	47.218	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	107784	48.744	ng	96
60) Diethylphthalate	10.339	149	434284	50.486	ng	100
61) 4-Chlorophenyl-phenyle...	10.463	204	200816	46.565	ng	100
62) 4-Nitroaniline	10.486	138	97734	50.376	ng	98
63) Azobenzene	10.622	77	396547	51.578	ng	97
65) 4,6-Dinitro-2-methylph...	10.516	198	66386	48.684	ng	94
66) n-Nitrosodiphenylamine	10.581	169	366828	46.949	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	123815	48.257	ng	96
68) Hexachlorobenzene	11.022	284	133468	46.815	ng	99
69) Atrazine	11.104	200	111763	55.393	ng	99
70) Pentachlorophenol	11.216	266	136234	95.896	ng	98
71) Phenanthrene	11.433	178	577233	47.267	ng	100
72) Anthracene	11.486	178	588359	46.976	ng	99
73) Carbazole	11.639	167	510983	47.277	ng	100
74) Di-n-butylphthalate	11.969	149	605997	53.821	ng	100
75) Fluoranthene	12.627	202	535054	46.165	ng	99
77) Benzidine	12.745	184	207988	39.797	ng	99
78) Pyrene	12.857	202	523080	40.118	ng	100
80) Butylbenzylphthalate	13.469	149	188634	49.875	ng	97
81) Benzo(a)anthracene	14.045	228	444500	47.368	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	41776	13.725	ng	99
83) Chrysene	14.080	228	397636	47.487	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	240826	44.256	ng	99
85) Di-n-octyl phthalate	14.645	149	410883	40.043	ng	99
87) Indeno(1,2,3-cd)pyrene	17.057	276	552150	43.602	ng	99
88) Benzo(b)fluoranthene	15.104	252	476268	49.507	ng	99
89) Benzo(k)fluoranthene	15.139	252	431262	47.916	ng	99
90) Benzo(a)pyrene	15.480	252	448854	48.297	ng	99
91) Dibenzo(a,h)anthracene	17.074	278	442974	43.052	ng	98
92) Benzo(g,h,i)perylene	17.509	276	439978	42.883	ng	99

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

BNA F

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MH-J-IMS

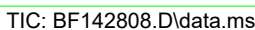
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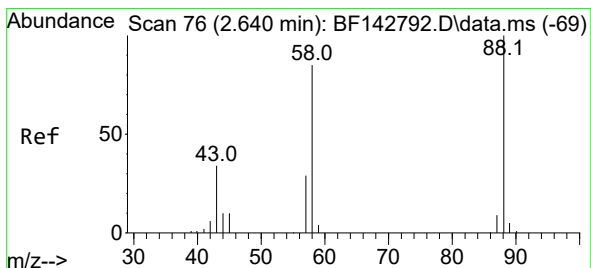
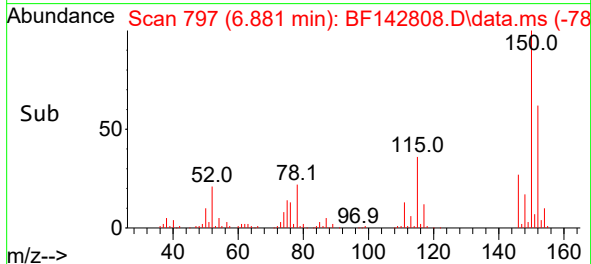
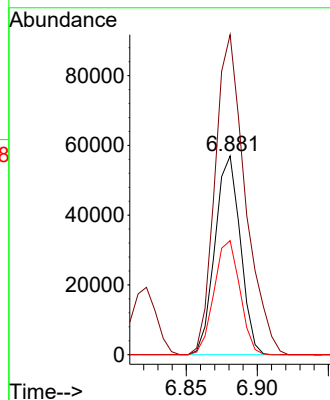
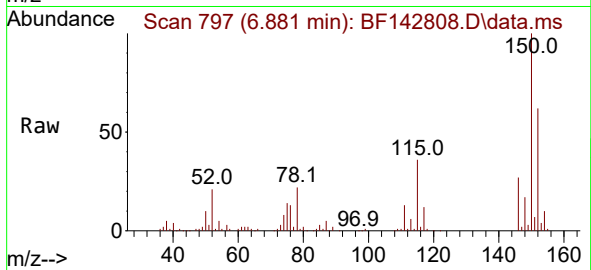




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 79
 Delta R.T. -0.000 min
 Lab File: BF142808.D
 Acq: 23 Jun 2025 16:12

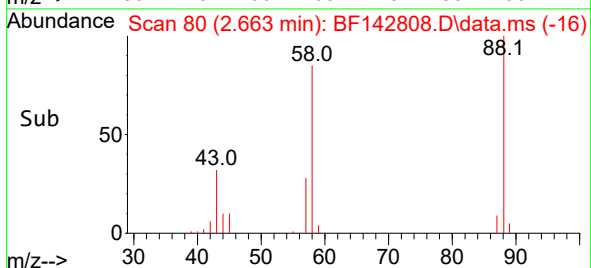
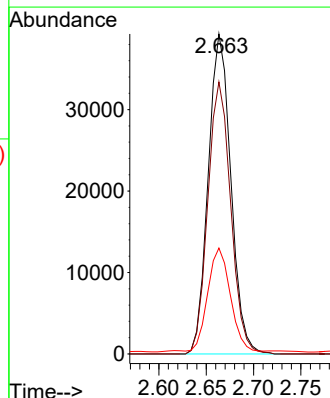
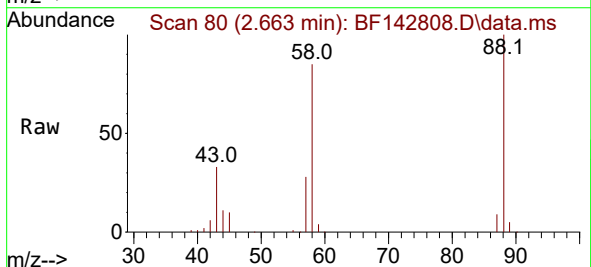
Instrument :
 BNA_F
 ClientSampleId :
 MH-J-IMS

Tgt Ion:152 Resp: 70781
 Ion Ratio Lower Upper
 152 100
 150 161.0 127.2 190.8
 115 57.4 46.6 69.8



#2
 1,4-Dioxane
 Concen: 38.443 ng
 RT: 2.663 min Scan# 80
 Delta R.T. 0.024 min
 Lab File: BF142808.D
 Acq: 23 Jun 2025 16:12

Tgt Ion: 88 Resp: 65369
 Ion Ratio Lower Upper
 88 100
 58 85.9 69.1 103.7
 43 31.8 27.4 41.2

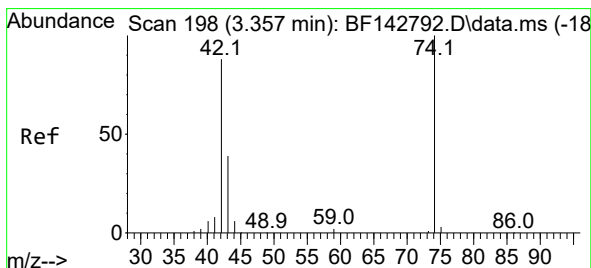
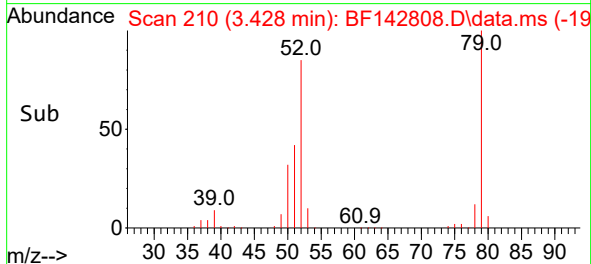
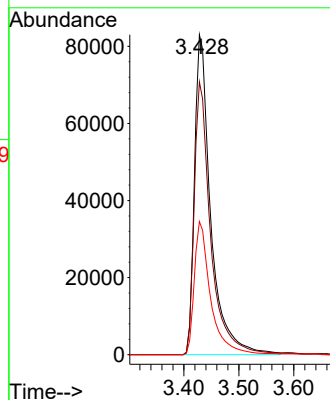
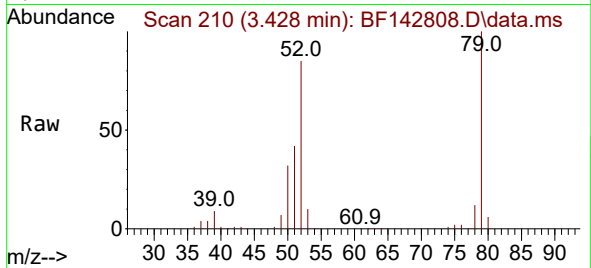




#3
 Pyridine
 Concen: 40.047 ng
 RT: 3.428 min Scan# 210
 Delta R.T. 0.018 min
 Lab File: BF142808.D
 Acq: 23 Jun 2025 16:12

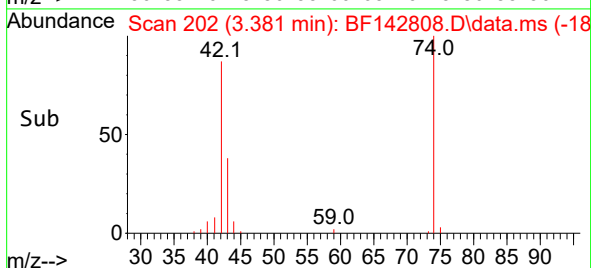
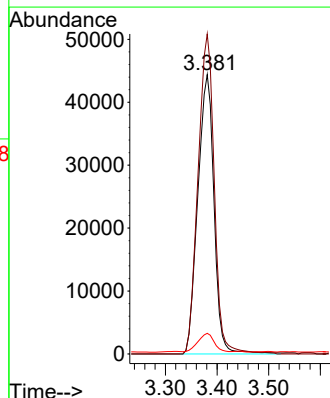
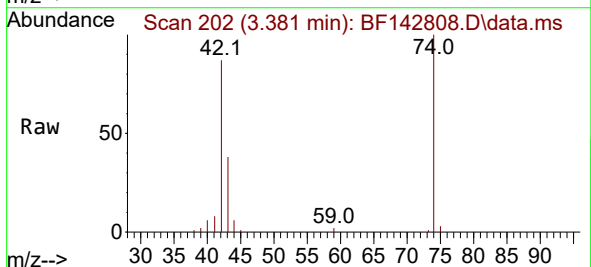
Instrument :
 BNA_F
 ClientSampleId :
 MH-J-IMS

Tgt Ion: 79 Resp: 170718
 Ion Ratio Lower Upper
 79 100
 52 85.2 69.2 103.8
 51 41.6 33.2 49.8



#4
 n-Nitrosodimethylamine
 Concen: 43.964 ng
 RT: 3.381 min Scan# 202
 Delta R.T. 0.024 min
 Lab File: BF142808.D
 Acq: 23 Jun 2025 16:12

Tgt Ion: 42 Resp: 96914
 Ion Ratio Lower Upper
 42 100
 74 114.5 90.9 136.3
 44 7.4 5.8 8.6

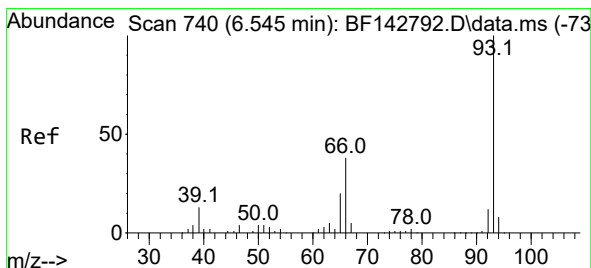
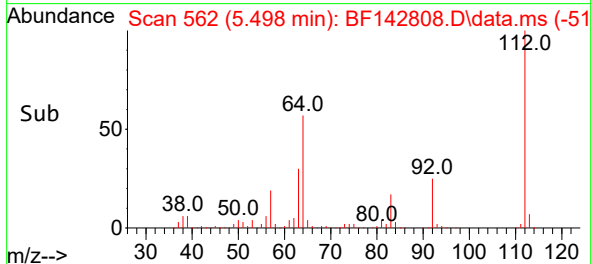
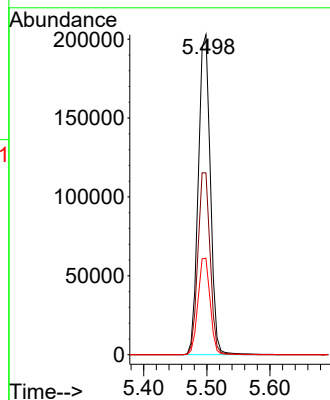
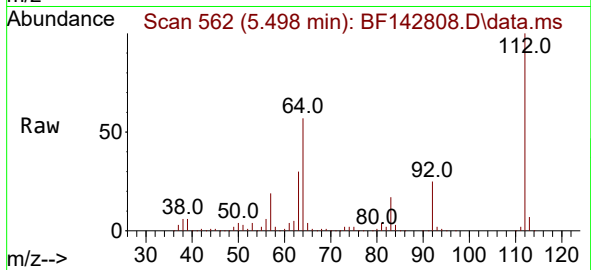




#5
2-Fluorophenol
Concen: 63.084 ng
RT: 5.498 min Scan# 501
Delta R.T. 0.006 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

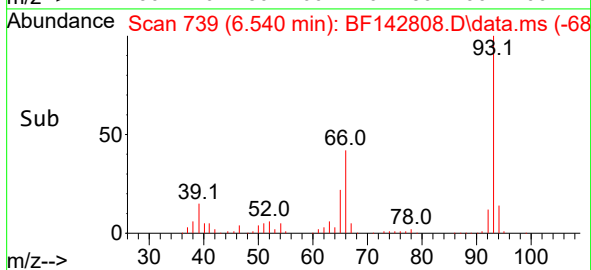
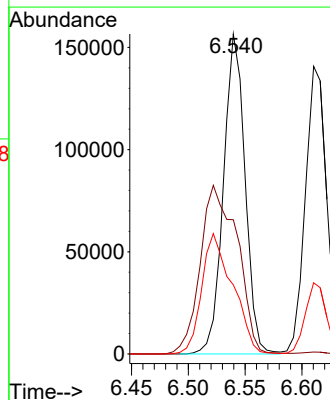
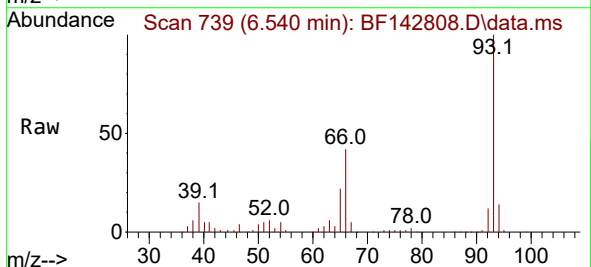
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BNA_F
ClientSampleId :
MH-J-IMS

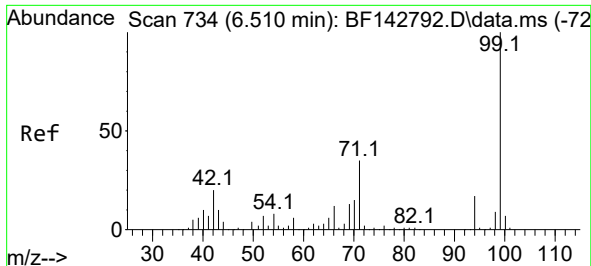
Tgt Ion:112 Resp: 268191
Ion Ratio Lower Upper
112 100
64 56.8 48.2 72.2
63 30.2 25.7 38.5



#6
Aniline
Concen: 31.012 ng
RT: 6.540 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

Tgt Ion: 93 Resp: 206972
Ion Ratio Lower Upper
93 100
66 42.0 31.8 47.6
65 21.6 16.2 24.2

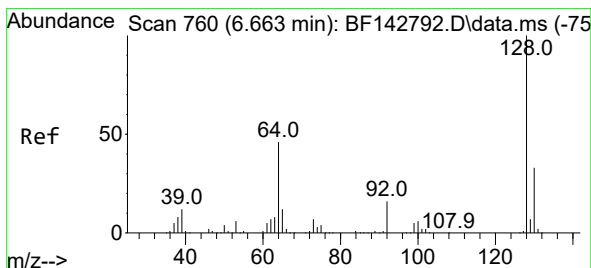
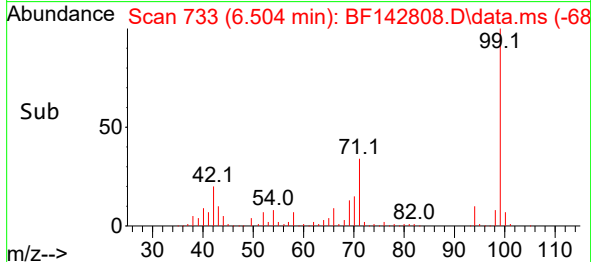
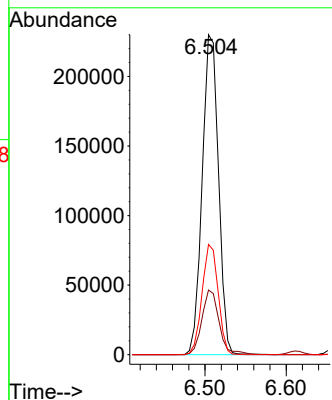
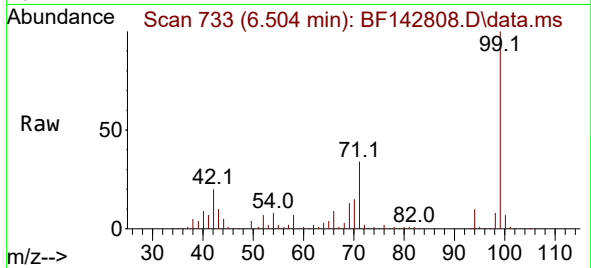




#7
Phenol-d6
Concen: 63.856 ng
RT: 6.504 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

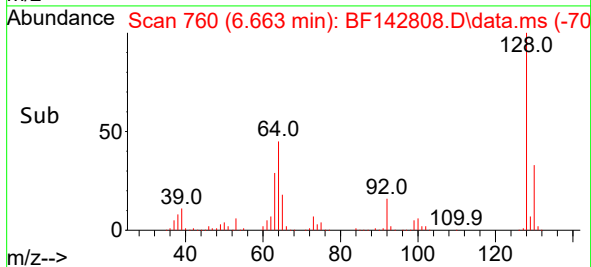
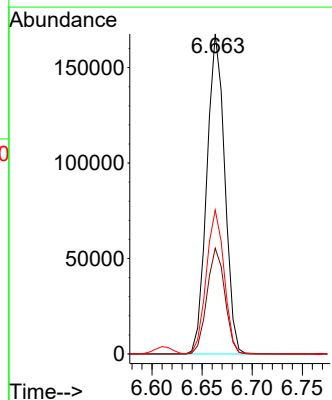
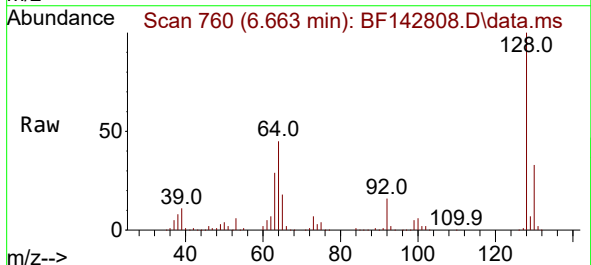
Instrument :
BNA_F
ClientSampleId :
MH-J-IMS

Tgt Ion: 99 Resp: 320282
Ion Ratio Lower Upper
99 100
42 20.2 15.9 23.9
71 34.4 27.8 41.8



#8
2-Chlorophenol
Concen: 45.473 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

Tgt Ion:128 Resp: 208537
Ion Ratio Lower Upper
128 100
130 33.0 12.7 52.7
64 45.0 26.5 66.5

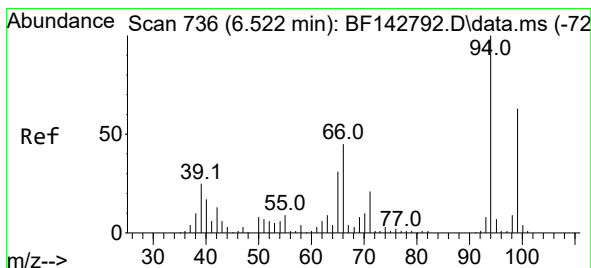
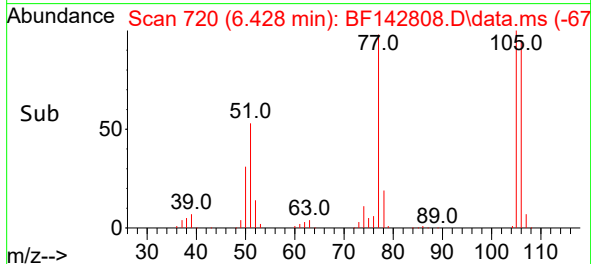
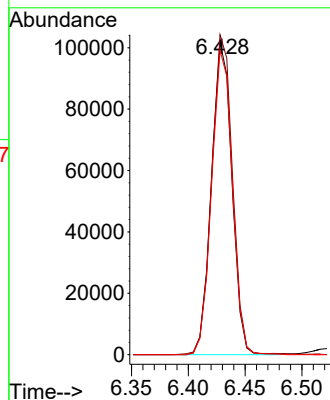
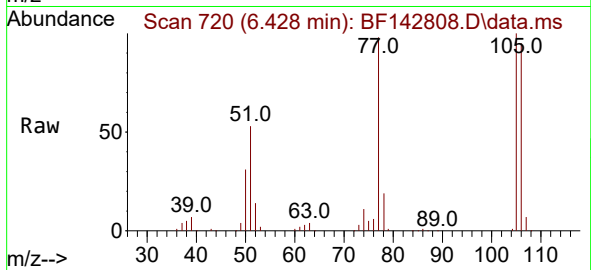




#9
Benzaldehyde
Concen: 42.857 ng
RT: 6.428 min Scan# 721
Delta R.T. -0.006 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

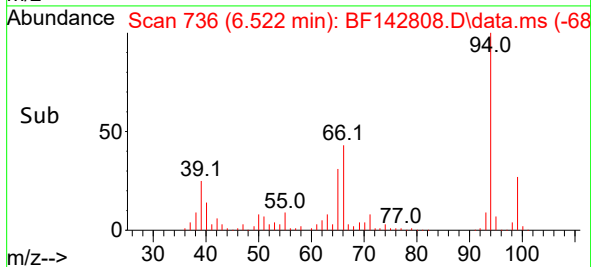
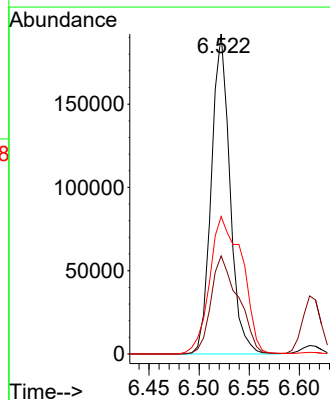
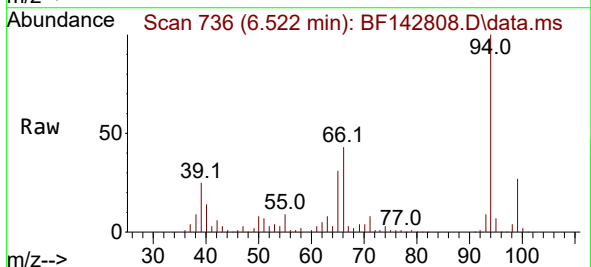
Instrument :
BNA_F
ClientSampleId :
MH-J-IMS

Tgt Ion: 77 Resp: 127529
Ion Ratio Lower Upper
77 100
105 102.4 83.8 123.8
106 97.3 78.7 118.7



#10
Phenol
Concen: 44.505 ng
RT: 6.522 min Scan# 736
Delta R.T. 0.000 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

Tgt Ion: 94 Resp: 248130
Ion Ratio Lower Upper
94 100
65 30.7 11.3 51.3
66 43.0 24.9 64.9

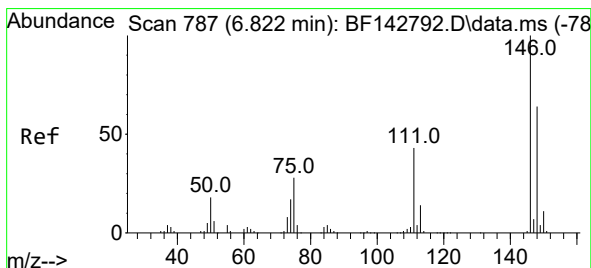
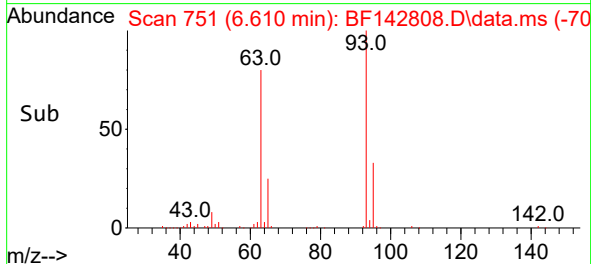
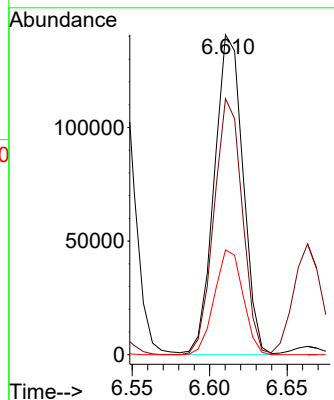
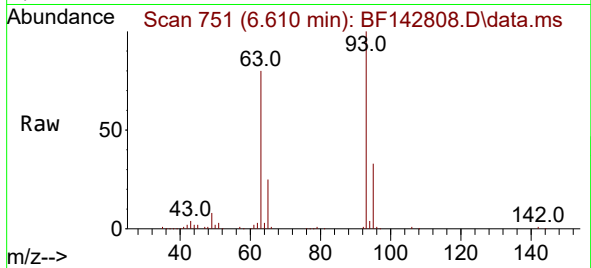




#11
bis(2-Chloroethyl)ether
Concen: 45.542 ng
RT: 6.610 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

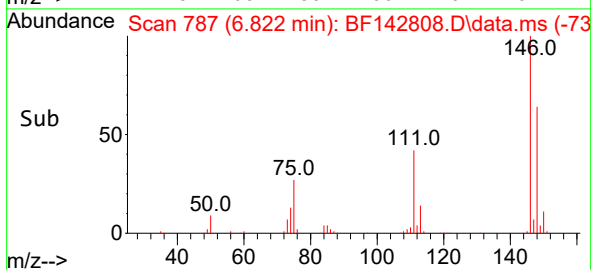
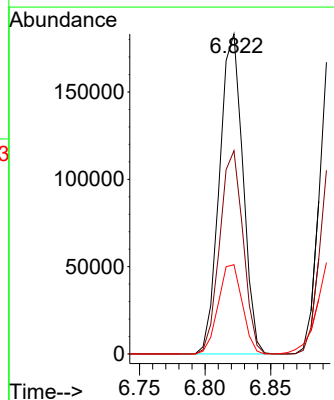
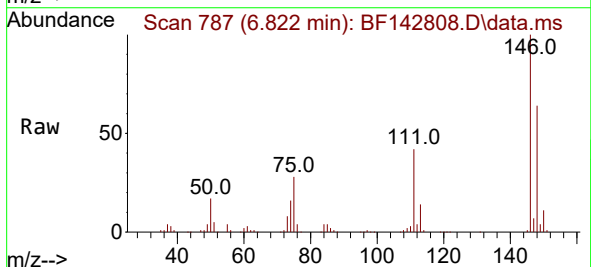
Instrument :
BNA_F
ClientSampleId :
MH-J-IMS

Tgt Ion: 93 Resp: 181475
Ion Ratio Lower Upper
93 100
63 80.0 60.3 100.3
95 32.8 12.5 52.5



#12
1,3-Dichlorobenzene
Concen: 44.303 ng
RT: 6.822 min Scan# 787
Delta R.T. 0.000 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

Tgt Ion:146 Resp: 227225
Ion Ratio Lower Upper
146 100
148 63.5 51.1 76.7
75 27.9 22.7 34.1

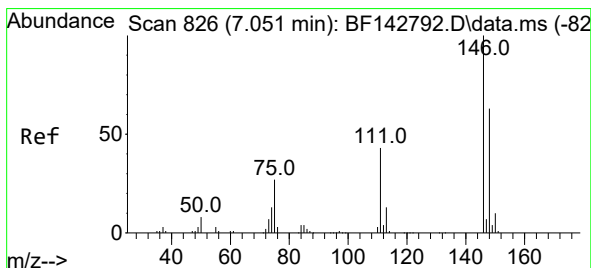
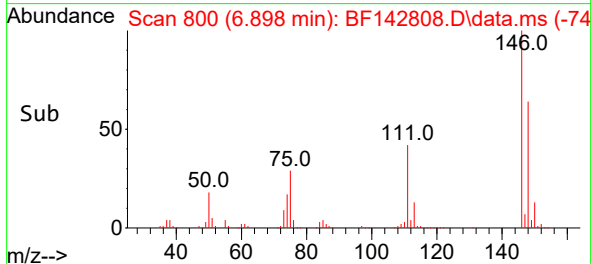
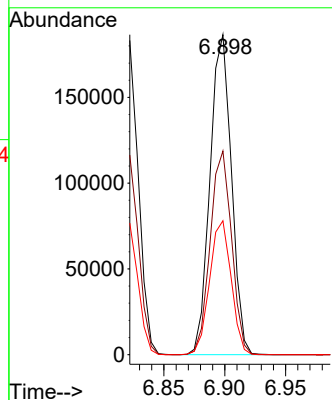
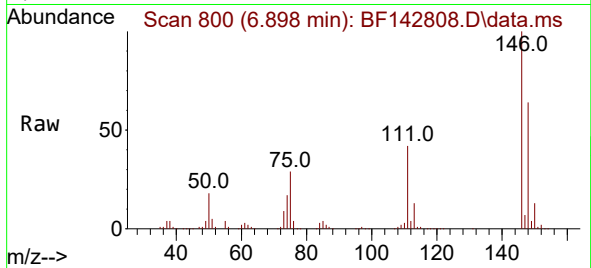




#13
1,4-Dichlorobenzene
Concen: 44.193 ng
RT: 6.898 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

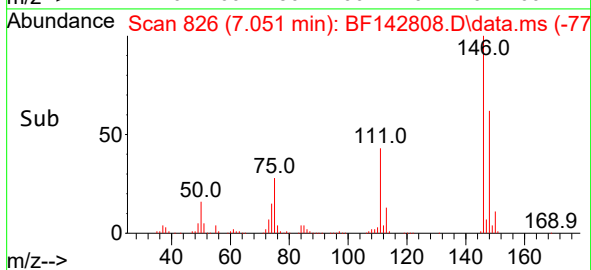
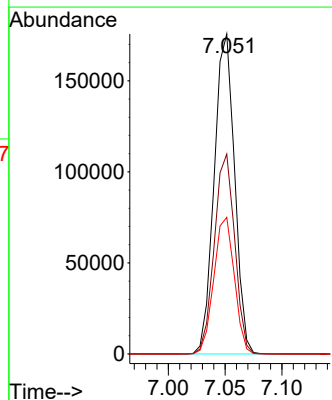
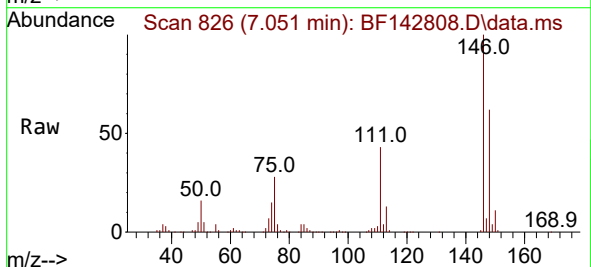
Instrument :
BNA_F
ClientSampleId :
MH-J-IMS

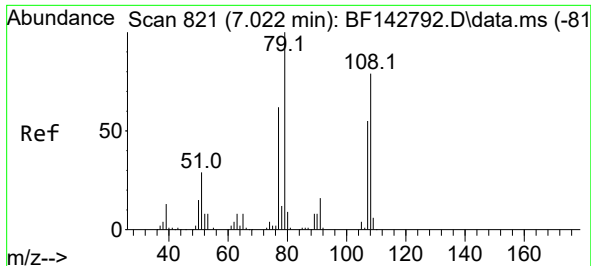
Tgt Ion:146 Resp: 228681
Ion Ratio Lower Upper
146 100
148 63.7 50.2 75.2
111 41.8 33.2 49.8



#14
1,2-Dichlorobenzene
Concen: 44.783 ng
RT: 7.051 min Scan# 826
Delta R.T. 0.000 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

Tgt Ion:146 Resp: 219797
Ion Ratio Lower Upper
146 100
148 62.4 50.4 75.6
111 42.7 34.1 51.1

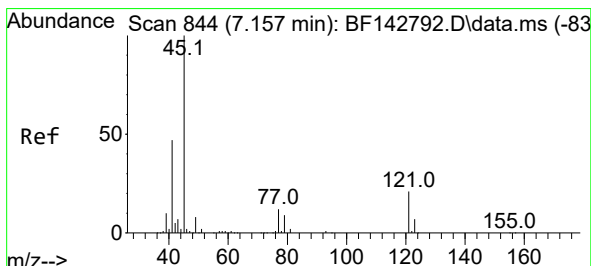
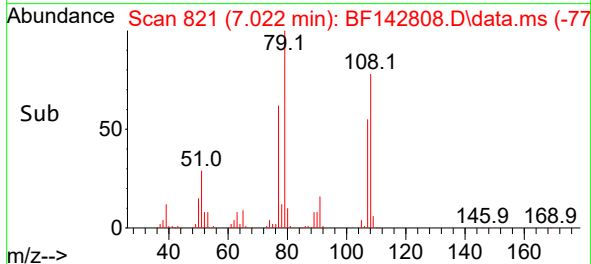
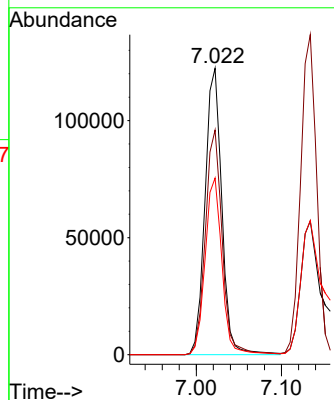
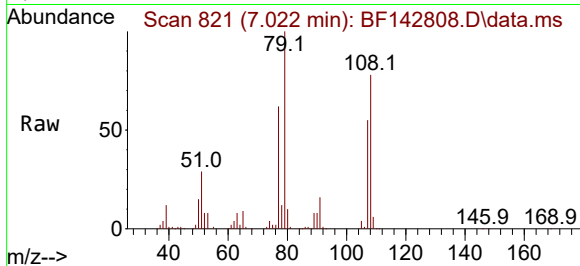




#15
Benzyl Alcohol
Concen: 46.180 ng
RT: 7.022 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

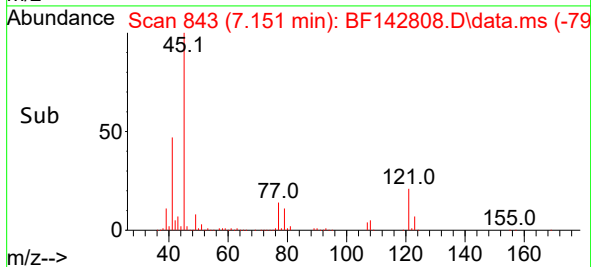
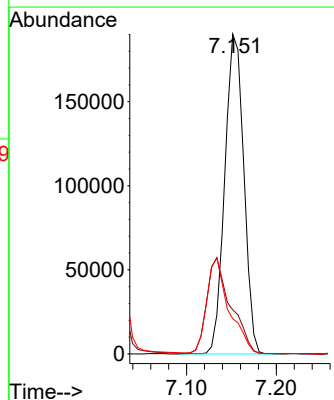
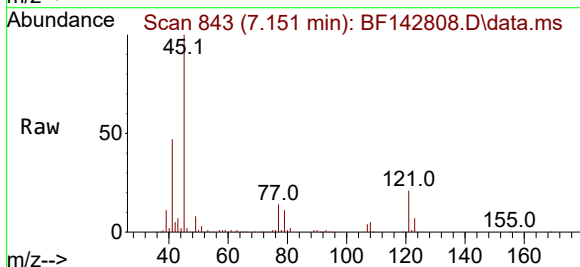
Instrument :
BNA_F
ClientSampleId :
MH-J-IMS

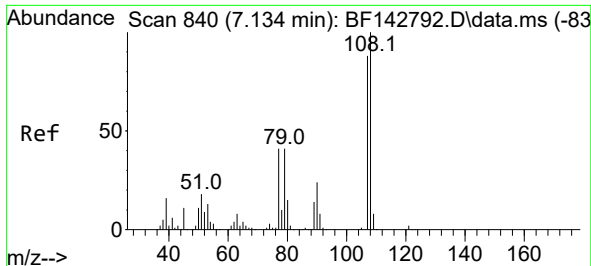
Tgt Ion: 79 Resp: 167448
Ion Ratio Lower Upper
79 100
108 78.4 63.4 95.0
77 61.7 49.5 74.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.770 ng
RT: 7.151 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

Tgt Ion: 45 Resp: 280220
Ion Ratio Lower Upper
45 100
77 13.8 0.0 32.8
79 11.1 0.0 29.8

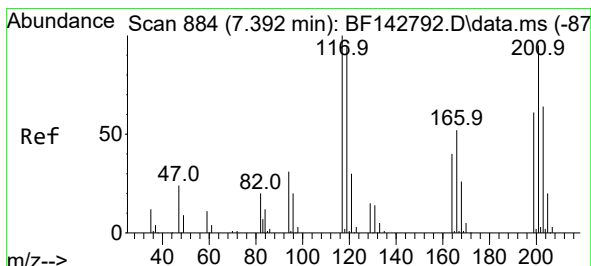
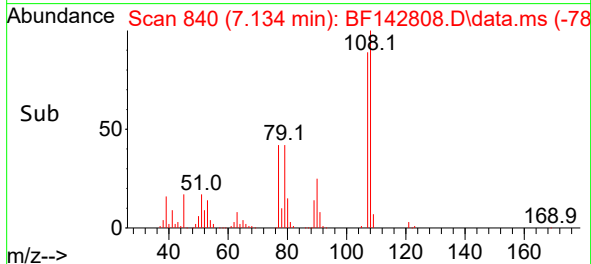
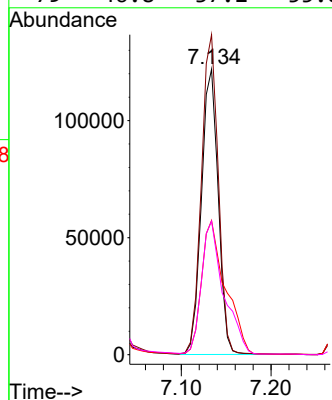
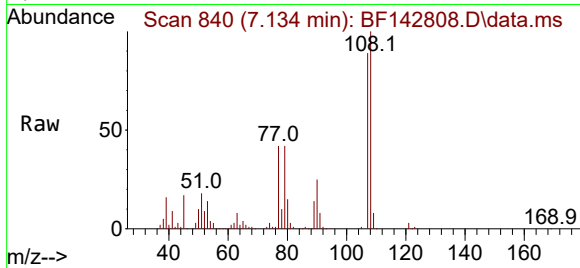




#17
2-Methylphenol
Concen: 45.436 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

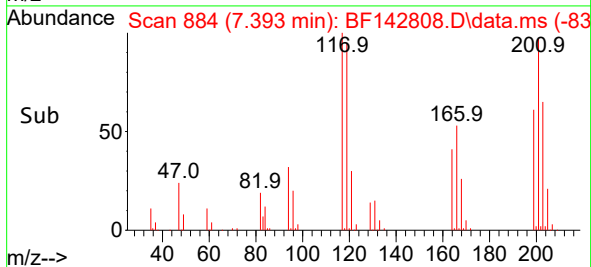
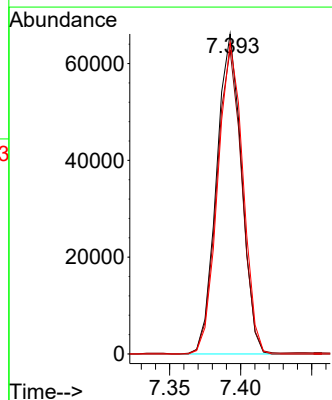
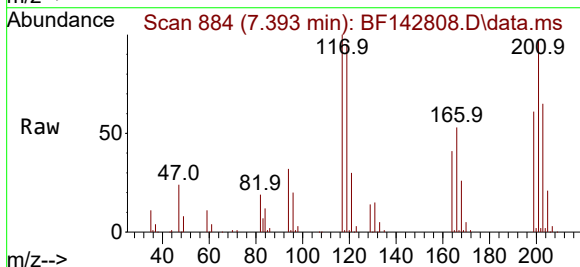
Instrument :
BNA_F
ClientSampleId :
MH-J-IMS

Tgt Ion:107 Resp: 157903
Ion Ratio Lower Upper
107 100
108 112.1 90.9 136.3
77 47.0 37.3 55.9
79 46.8 37.2 55.8



#18
Hexachloroethane
Concen: 44.667 ng
RT: 7.393 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

Tgt Ion:117 Resp: 80844
Ion Ratio Lower Upper
117 100
119 95.0 75.4 113.0
201 97.3 75.9 113.9

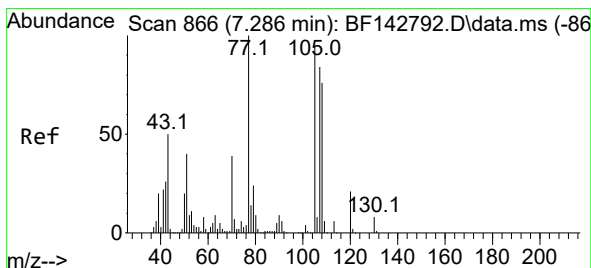
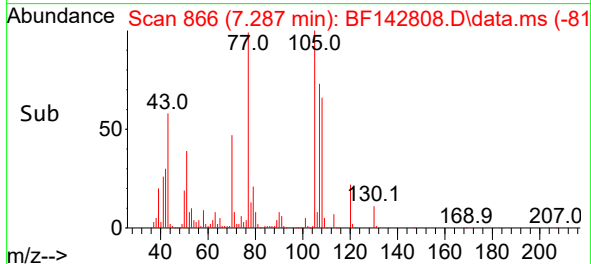
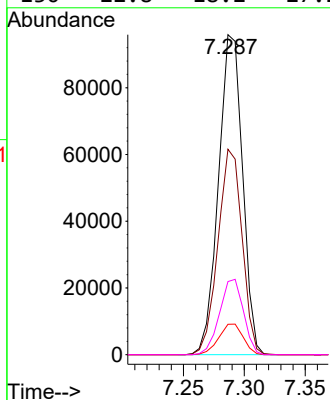
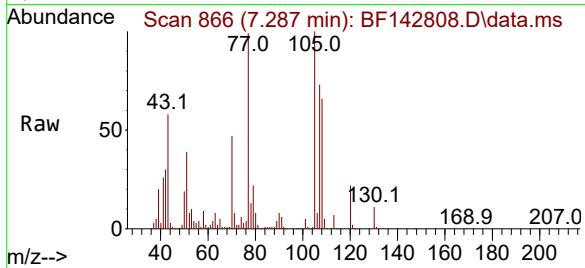




#19
n-Nitroso-di-n-propylamine
Concen: 45.202 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.006 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

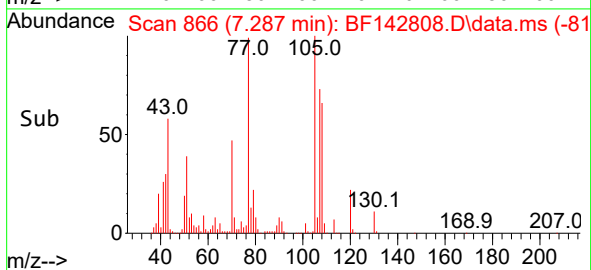
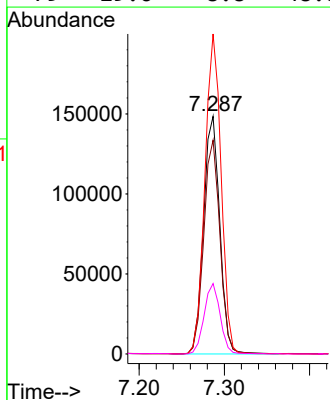
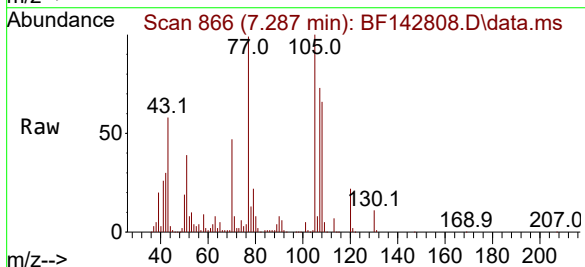
Instrument :
BNA_F
ClientSampleId :
MH-J-IMS

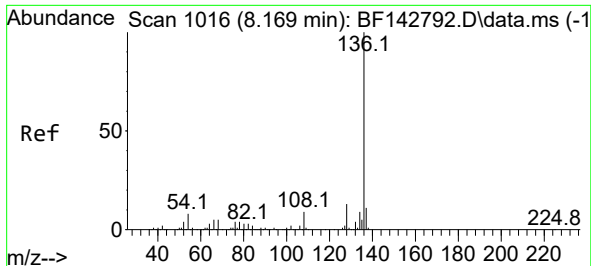
Tgt Ion: 70 Resp: 131860
Ion Ratio Lower Upper
70 100
42 64.2 52.1 78.1
101 9.5 8.2 12.2
130 22.8 18.2 27.2



#20
3+4-Methylphenols
Concen: 45.352 ng
RT: 7.287 min Scan# 866
Delta R.T. 0.000 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

Tgt Ion:107 Resp: 196514
Ion Ratio Lower Upper
107 100
108 90.0 70.0 110.0
77 134.7 98.5 138.5
79 29.6 8.8 48.8

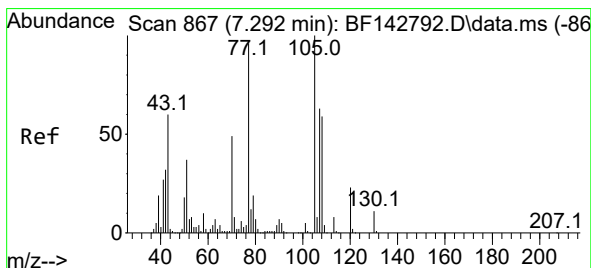
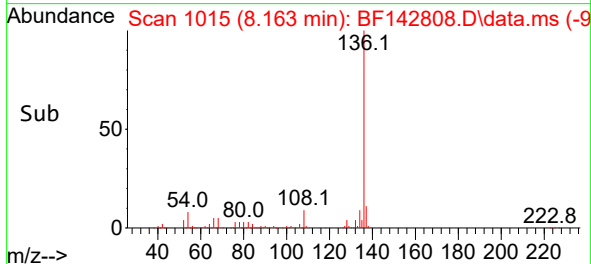
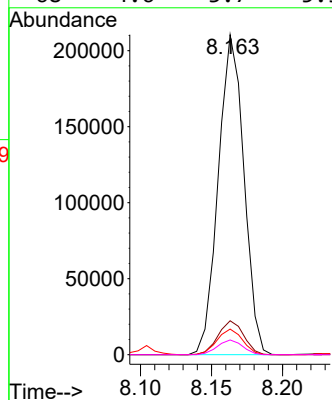
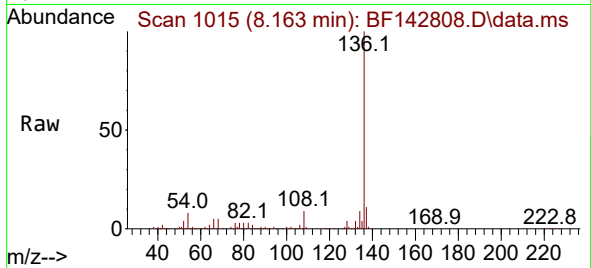




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

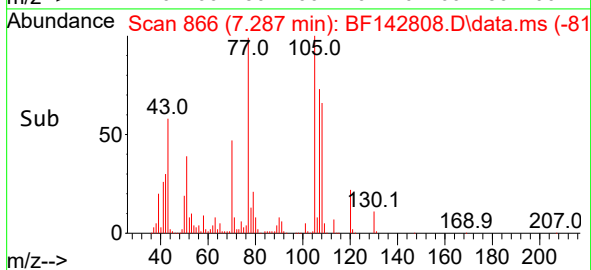
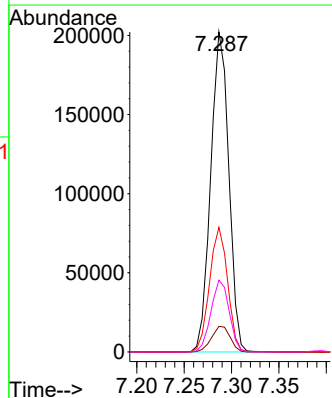
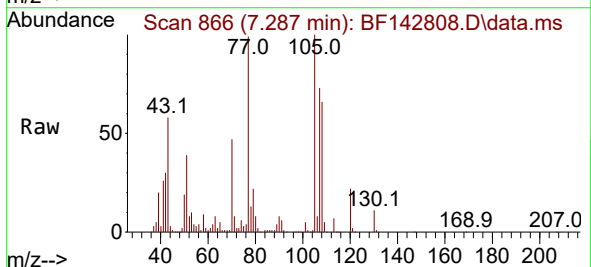
Instrument :
BNA_F
ClientSampleId :
MH-J-IMS

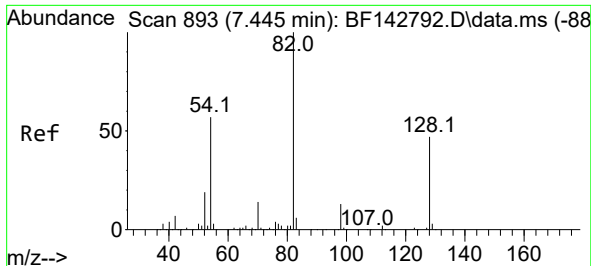
Tgt Ion:136 Resp: 264201
Ion Ratio Lower Upper
136 100
137 10.6 8.4 12.6
54 8.0 6.3 9.5
68 4.6 3.7 5.5



#22
Acetophenone
Concen: 45.941 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.006 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

Tgt Ion:105 Resp: 267657
Ion Ratio Lower Upper
105 100
71 8.0 6.5 9.7
51 39.0 29.8 44.8
120 22.5 18.2 27.2





#23

Nitrobenzene-d5

Concen: 39.084 ng

RT: 7.440 min Scan# 893

Delta R.T. -0.005 min

Lab File: BF142808.D

Acq: 23 Jun 2025 16:12

Instrument :

BNA_F

ClientSampleId :

MH-J-IMS

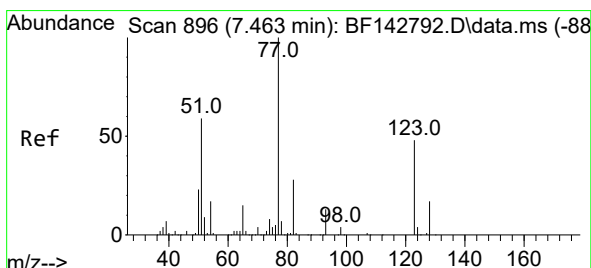
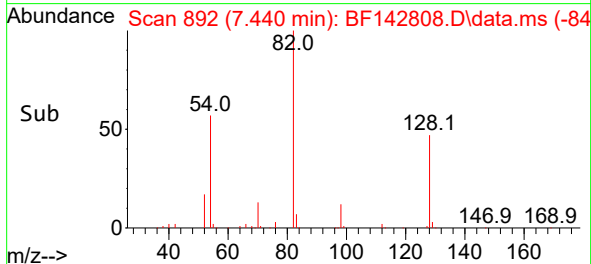
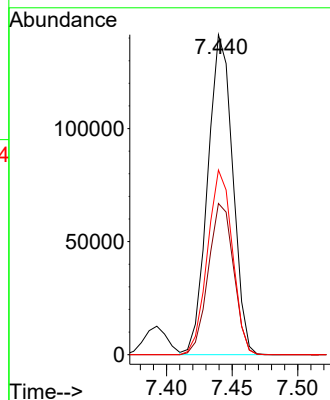
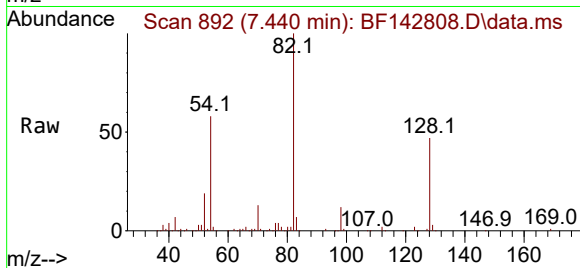
Tgt Ion: 82 Resp: 188258

Ion Ratio Lower Upper

82 100

128 47.2 37.7 56.5

54 57.7 45.7 68.5



#24

Nitrobenzene

Concen: 45.395 ng

RT: 7.463 min Scan# 896

Delta R.T. 0.000 min

Lab File: BF142808.D

Acq: 23 Jun 2025 16:12

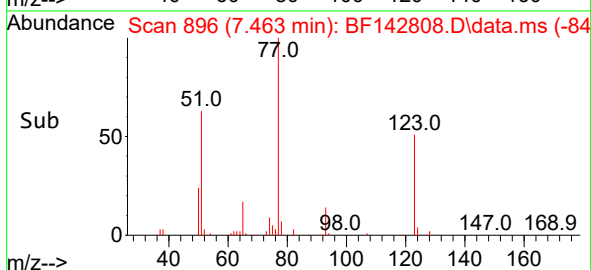
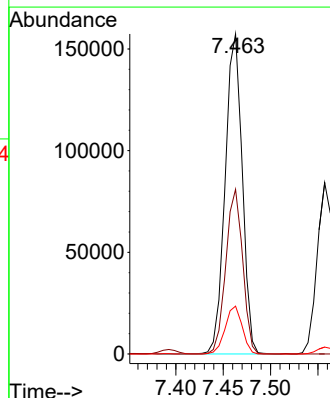
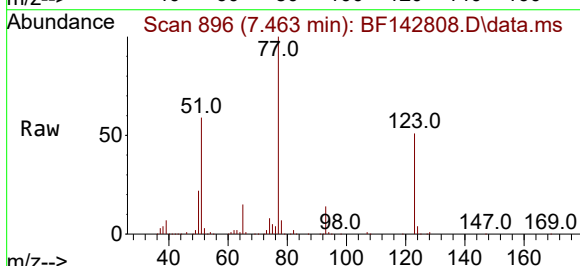
Tgt Ion: 77 Resp: 197903

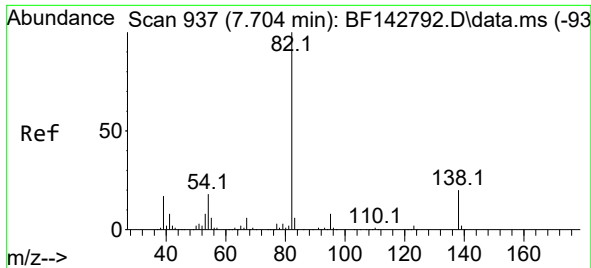
Ion Ratio Lower Upper

77 100

123 51.5 39.2 58.8

65 15.0 11.6 17.4

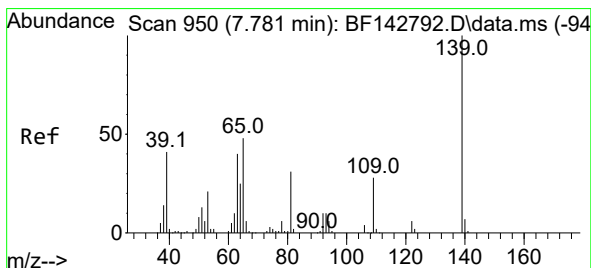
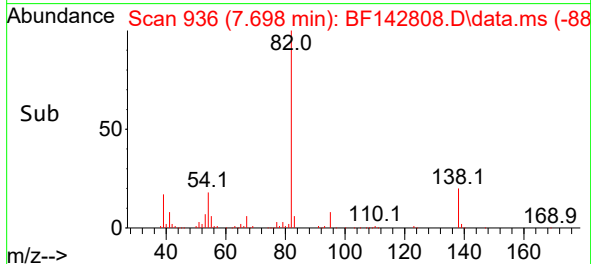
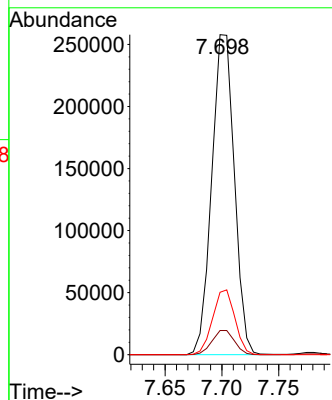
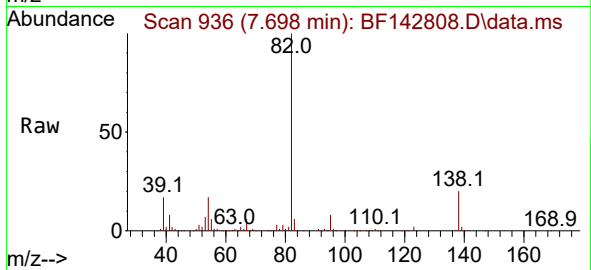




#25
Isophorone
Concen: 46.187 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

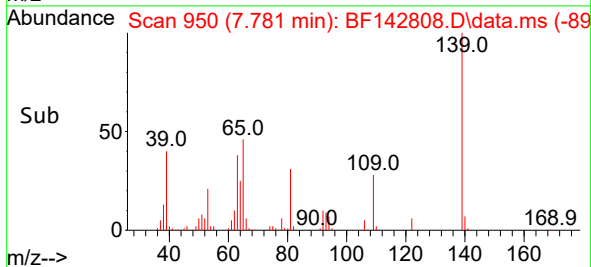
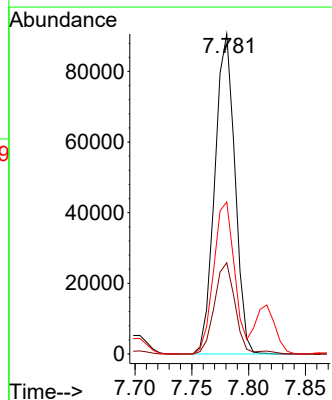
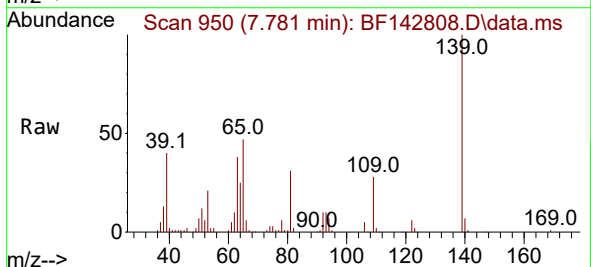
Instrument :
BNA_F
ClientSampleId :
MH-J-IMS

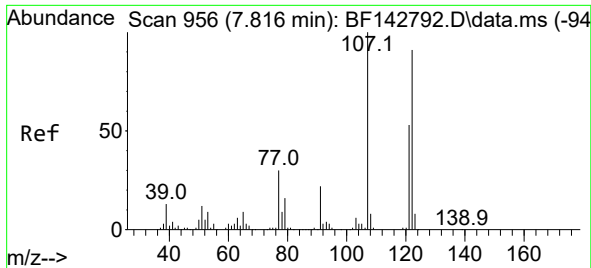
Tgt Ion: 82 Resp: 356876
Ion Ratio Lower Upper
82 100
95 7.5 6.2 9.2
138 19.5 16.2 24.4



#26
2-Nitrophenol
Concen: 47.049 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.000 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

Tgt Ion:139 Resp: 111733
Ion Ratio Lower Upper
139 100
109 28.5 22.7 34.1
65 47.5 38.6 58.0





#27

2,4-Dimethylphenol

Concen: 45.764 ng

RT: 7.816 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF142808.D

Acq: 23 Jun 2025 16:12

Instrument :

BNA_F

ClientSampleId :

MH-J-IMS

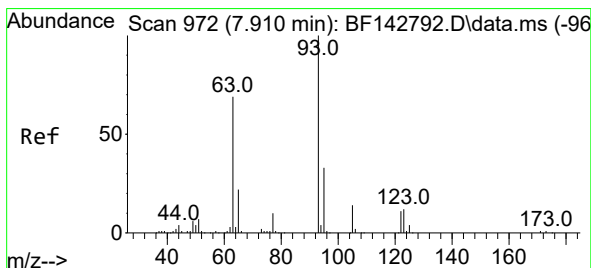
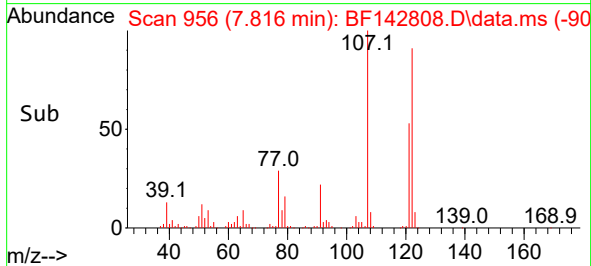
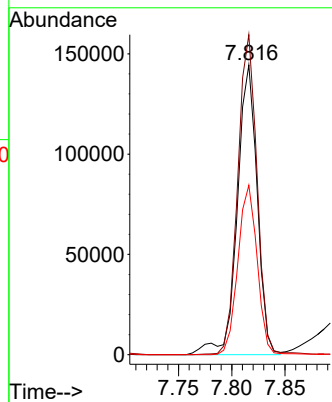
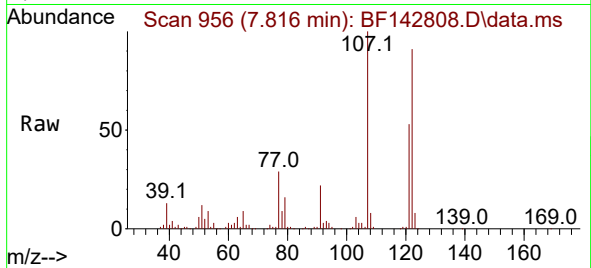
Tgt Ion:122 Resp: 188258

Ion Ratio Lower Upper

122 100

107 110.5 88.0 132.0

121 58.5 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 45.705 ng

RT: 7.910 min Scan# 972

Delta R.T. 0.000 min

Lab File: BF142808.D

Acq: 23 Jun 2025 16:12

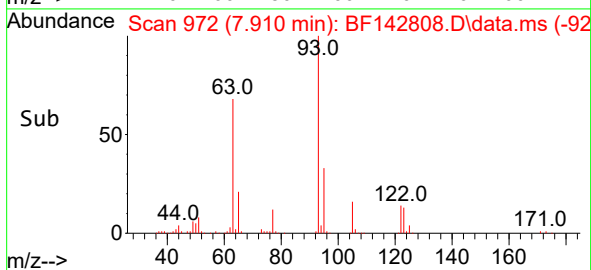
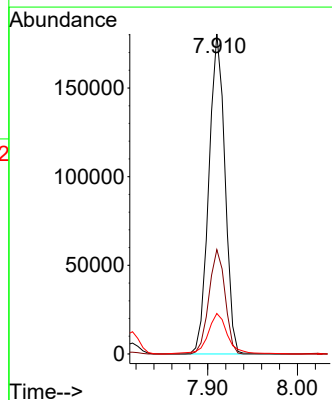
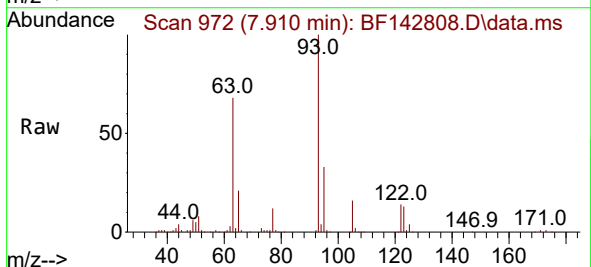
Tgt Ion: 93 Resp: 224519

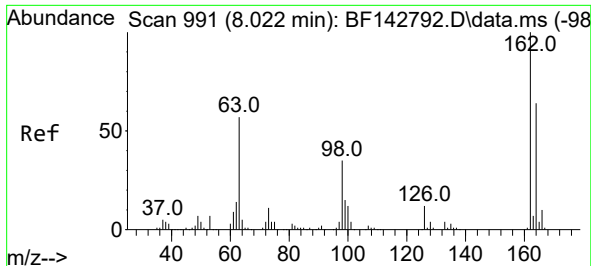
Ion Ratio Lower Upper

93 100

95 32.6 26.2 39.2

123 12.7 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 46.572 ng

RT: 8.022 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF142808.D

Acq: 23 Jun 2025 16:12

Instrument :

BNA_F

ClientSampleId :

MH-J-IMS

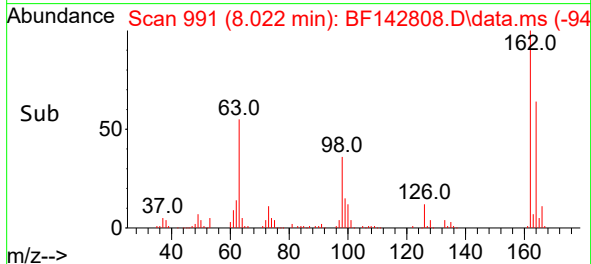
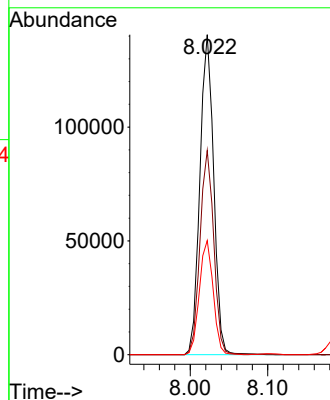
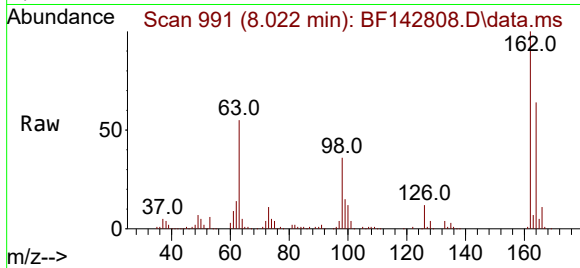
Tgt Ion:162 Resp: 173710

Ion Ratio Lower Upper

162 100

164 63.8 44.0 84.0

98 35.6 15.4 55.4



#30

1,2,4-Trichlorobenzene

Concen: 45.601 ng

RT: 8.104 min Scan# 1005

Delta R.T. 0.000 min

Lab File: BF142808.D

Acq: 23 Jun 2025 16:12

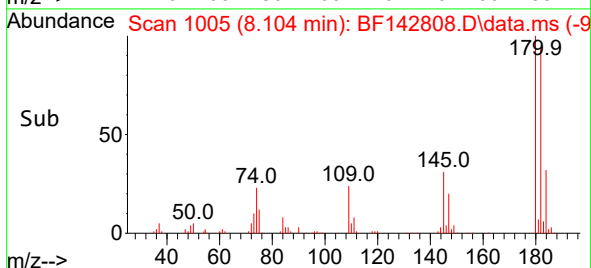
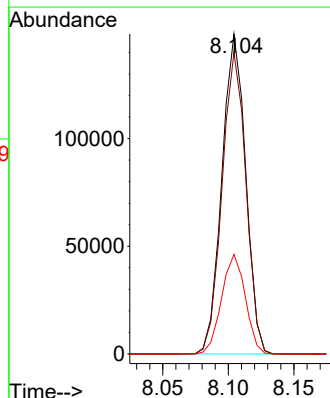
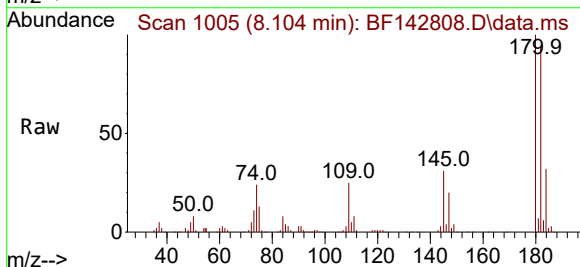
Tgt Ion:180 Resp: 187032

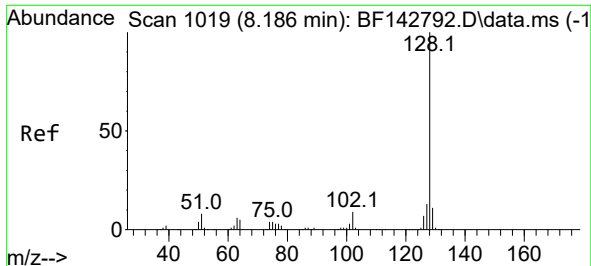
Ion Ratio Lower Upper

180 100

182 94.2 76.4 114.6

145 31.1 25.8 38.8

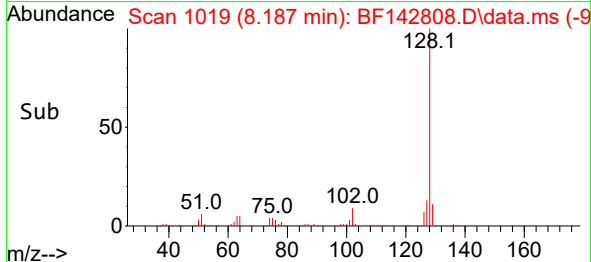
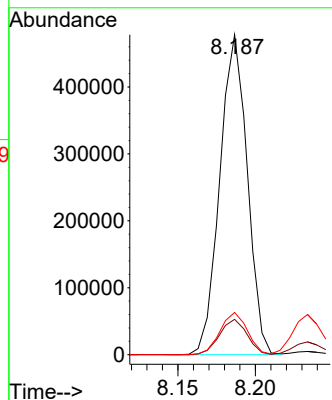
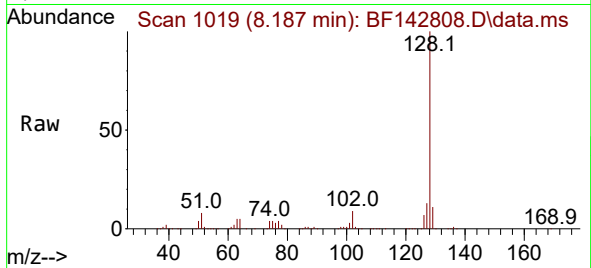




#31
Naphthalene
Concen: 45.579 ng
RT: 8.187 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

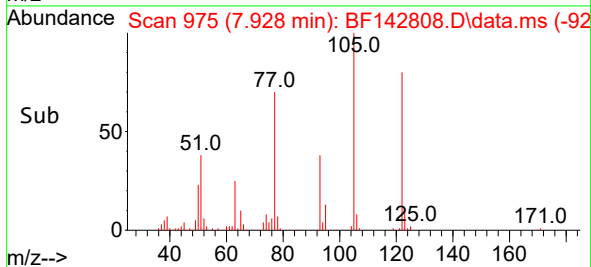
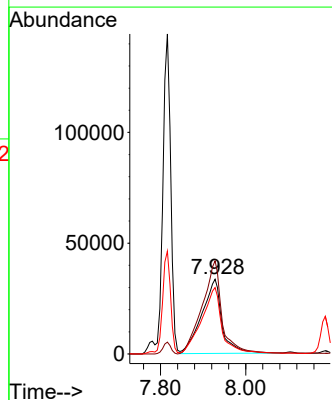
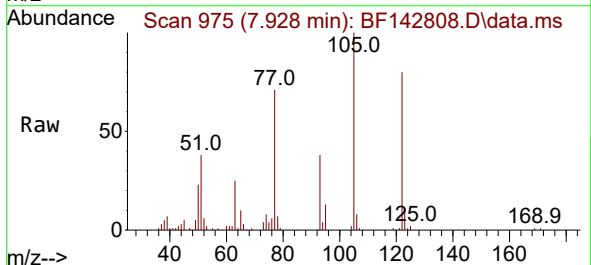
Instrument :
BNA_F
ClientSampleId :
MH-J-IMS

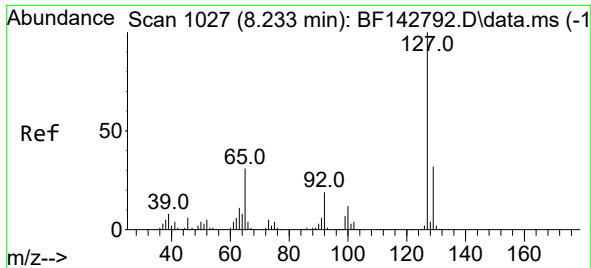
Tgt Ion:128 Resp: 589443
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 13.2 10.4 15.6



#32
Benzoic acid
Concen: 52.669 ng
RT: 7.928 min Scan# 975
Delta R.T. 0.006 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

Tgt Ion:122 Resp: 110429
Ion Ratio Lower Upper
122 100
105 124.5 104.7 144.7
77 88.7 70.2 110.2

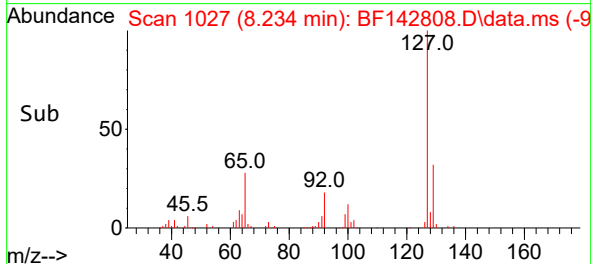
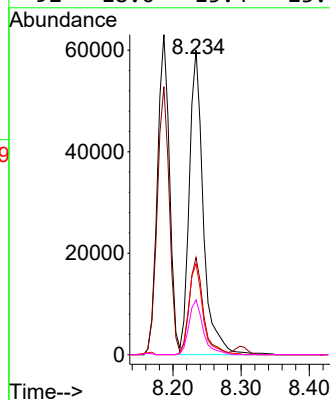
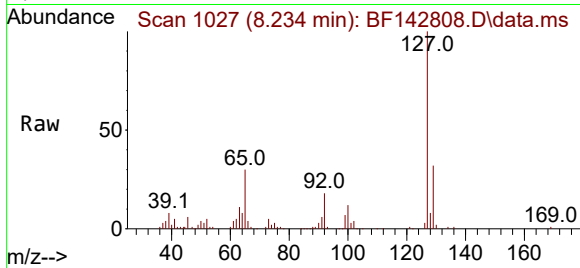




#33
4-Chloroaniline
Concen: 16.199 ng
RT: 8.234 min Scan# 1027
Delta R.T. 0.000 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

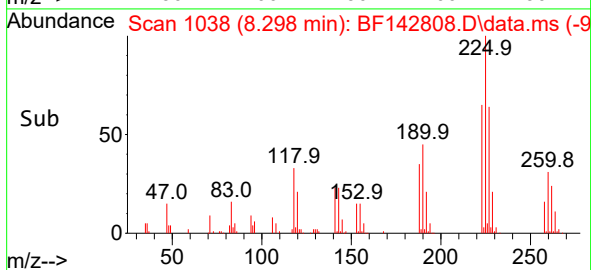
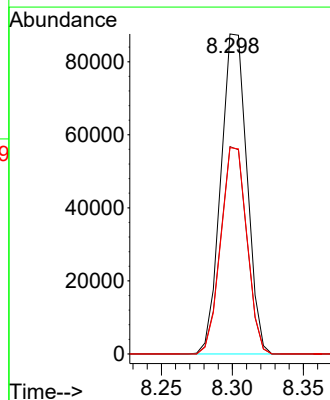
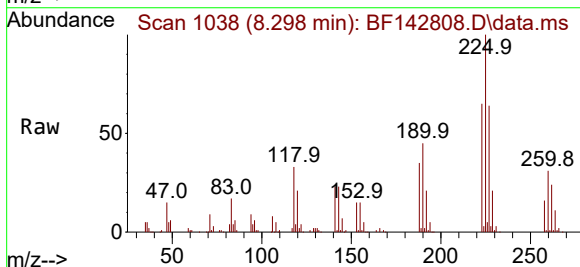
Instrument :
BNA_F
ClientSampleId :
MH-J-IMS

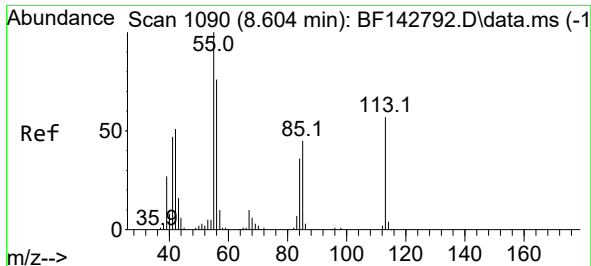
Tgt Ion:	127	Resp:	85183
Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.9	38.9
65	29.8	24.6	36.8
92	18.0	15.4	23.0



#34
Hexachlorobutadiene
Concen: 44.649 ng
RT: 8.298 min Scan# 1038
Delta R.T. -0.006 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

Tgt Ion:	225	Resp:	112014
Ion	Ratio	Lower	Upper
225	100		
223	64.8	49.9	74.9
227	64.4	51.4	77.0

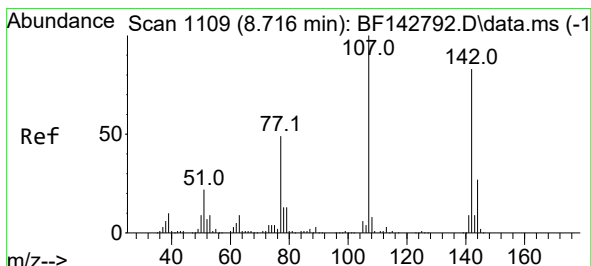
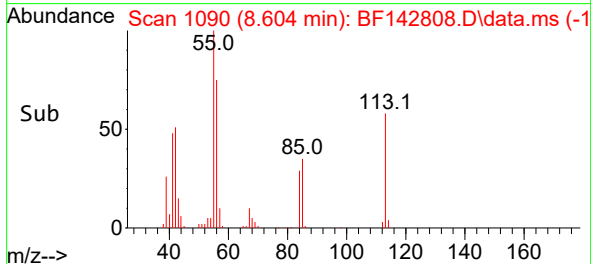
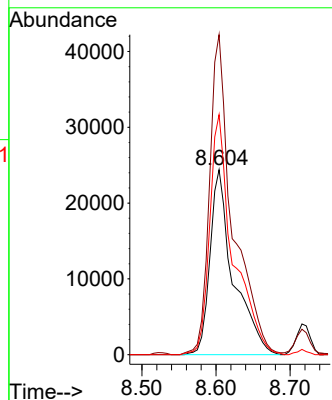
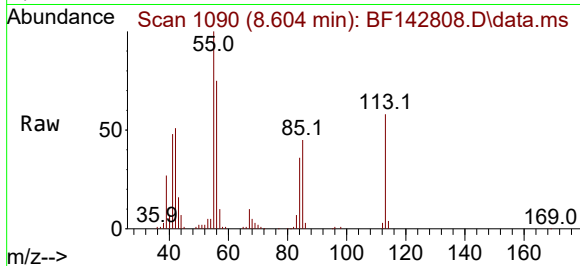




#35
 Caprolactam
 Concen: 54.162 ng
 RT: 8.604 min Scan# 1090
 Delta R.T. 0.000 min
 Lab File: BF142808.D
 Acq: 23 Jun 2025 16:12

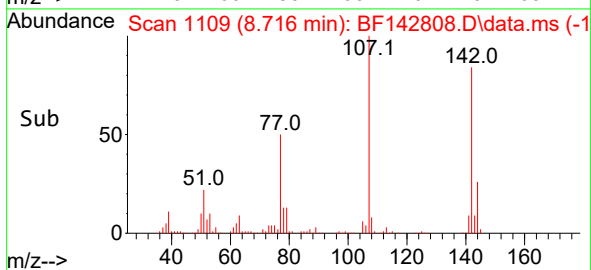
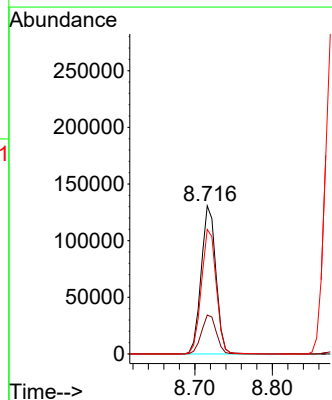
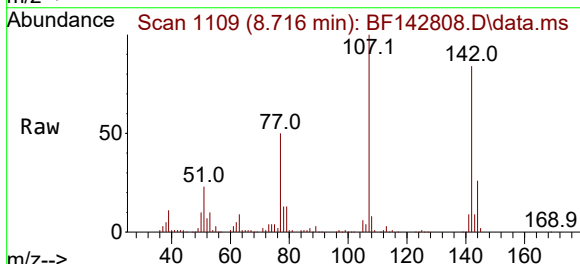
Instrument :
 BNA_F
 ClientSampleId :
 MH-J-IMS

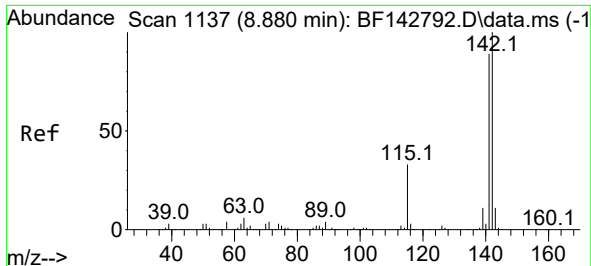
Tgt Ion:113 Resp: 53309
 Ion Ratio Lower Upper
 113 100
 55 173.0 154.4 194.4
 56 129.7 112.1 152.1



#36
 4-Chloro-3-methylphenol
 Concen: 46.573 ng
 RT: 8.716 min Scan# 1109
 Delta R.T. 0.000 min
 Lab File: BF142808.D
 Acq: 23 Jun 2025 16:12

Tgt Ion:107 Resp: 172642
 Ion Ratio Lower Upper
 107 100
 144 26.2 21.3 31.9
 142 84.0 66.6 100.0

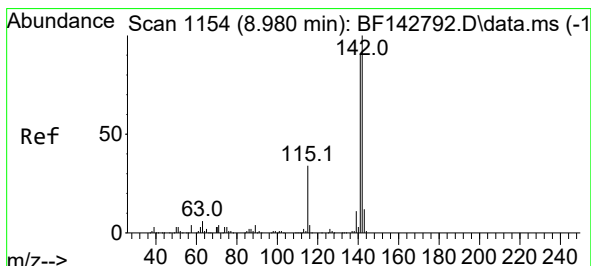
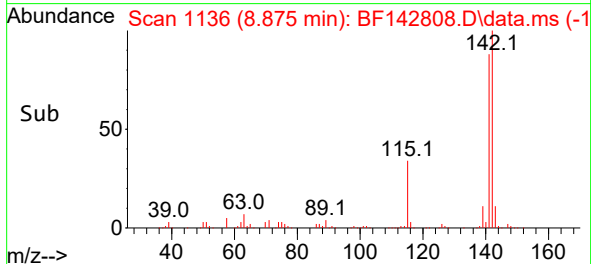
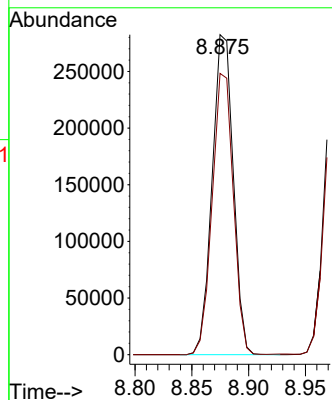
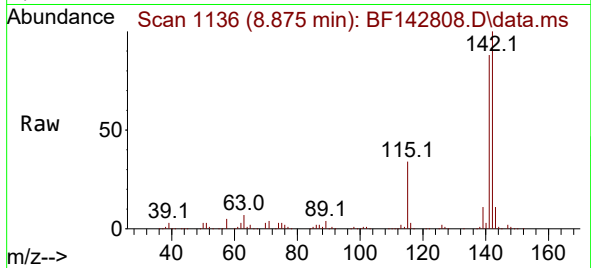




#37
2-Methylnaphthalene
Concen: 45.494 ng
RT: 8.875 min Scan# 1136
Delta R.T. -0.006 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

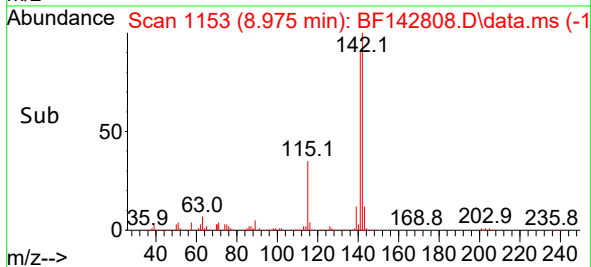
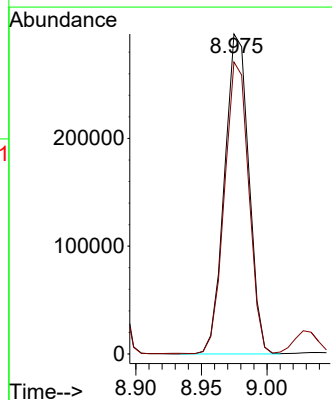
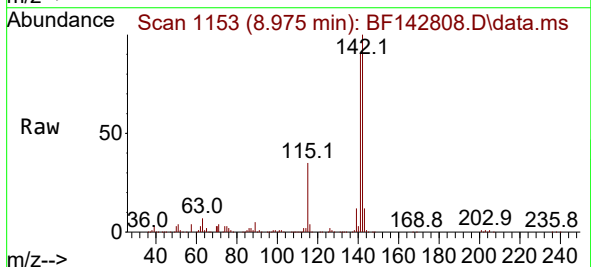
Instrument :
BNA_F
ClientSampleId :
MH-J-IMS

Tgt Ion:142 Resp: 364745
Ion Ratio Lower Upper
142 100
141 87.9 70.9 106.3



#38
1-Methylnaphthalene
Concen: 46.136 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

Tgt Ion:142 Resp: 382910
Ion Ratio Lower Upper
142 100
141 91.3 73.0 109.4

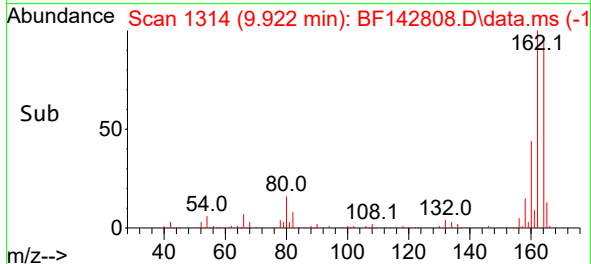
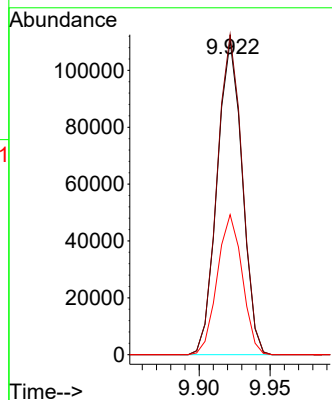
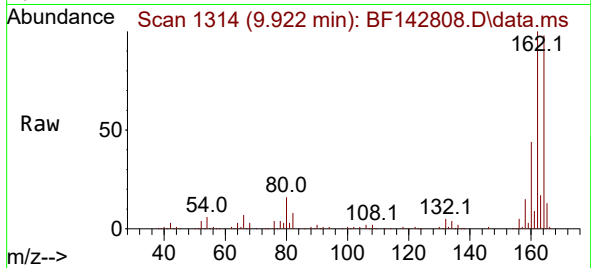




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1165
Delta R.T. 0.000 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

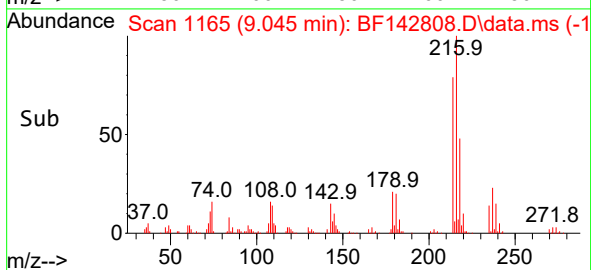
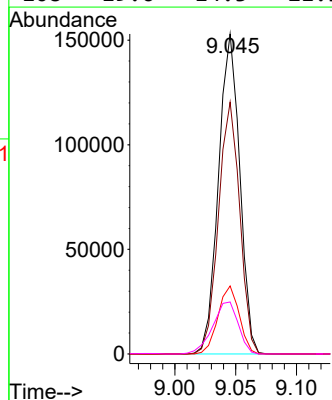
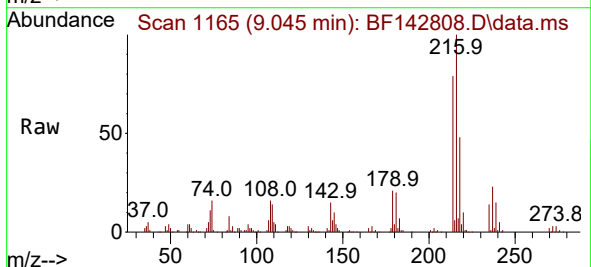
Instrument :
BNA_F
ClientSampleId :
MH-J-IMS

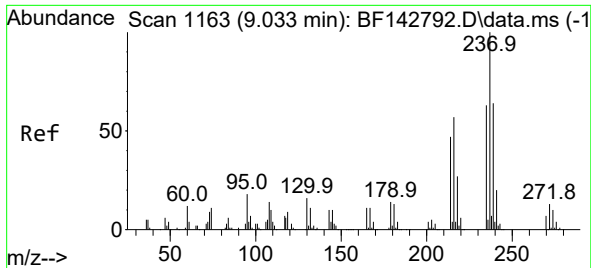
Tgt Ion:164 Resp: 135537
Ion Ratio Lower Upper
164 100
162 101.9 81.8 122.8
160 44.6 36.0 54.0



#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.475 ng
RT: 9.045 min Scan# 1165
Delta R.T. 0.000 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

Tgt Ion:216 Resp: 185866
Ion Ratio Lower Upper
216 100
214 78.6 63.7 95.5
179 21.3 17.6 26.4
108 19.6 14.3 21.5

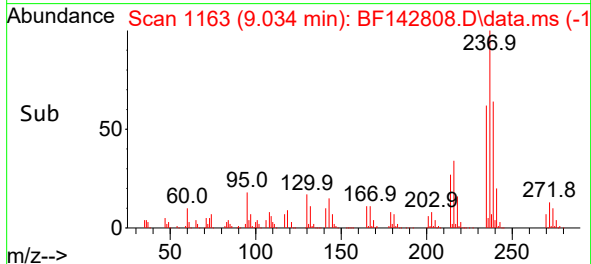
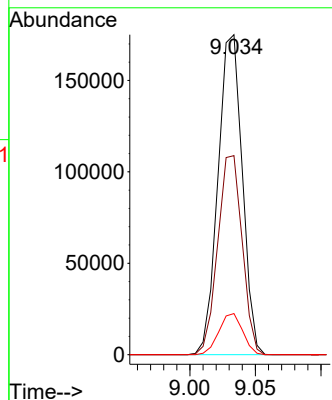
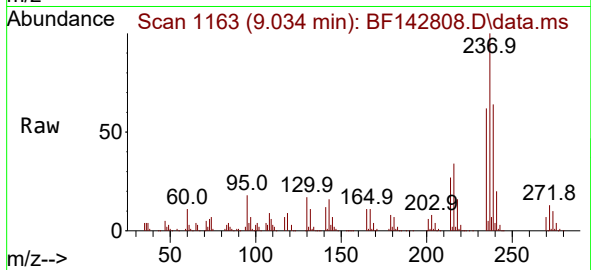




#41
Hexachlorocyclopentadiene
Concen: 99.240 ng
RT: 9.034 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

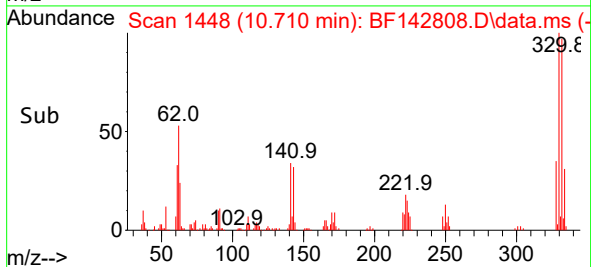
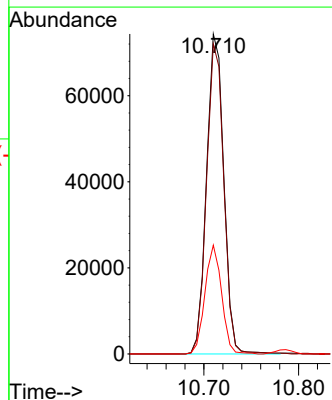
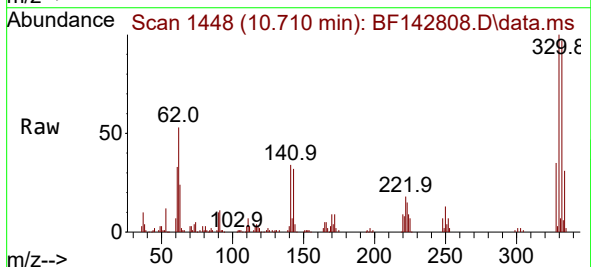
Instrument :
BNA_F
ClientSampleId :
MH-J-IMS

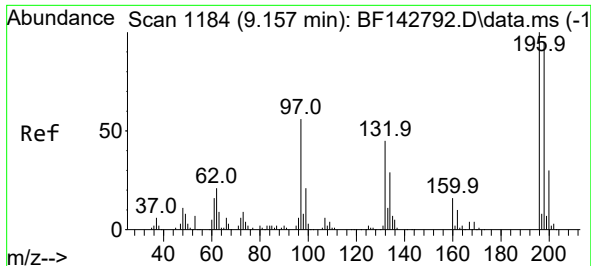
Tgt Ion:237 Resp: 225224
Ion Ratio Lower Upper
237 100
235 62.2 43.4 83.4
272 12.9 0.0 32.7



#42
2,4,6-Tribromophenol
Concen: 67.550 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

Tgt Ion:330 Resp: 94217
Ion Ratio Lower Upper
330 100
332 96.7 75.0 112.6
141 32.9 25.3 37.9

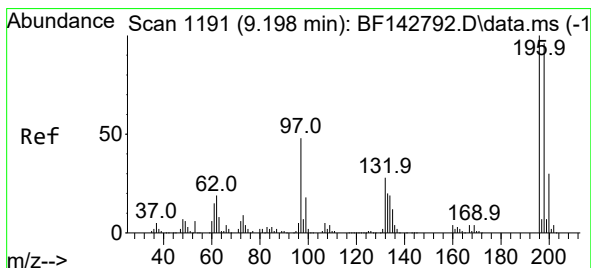
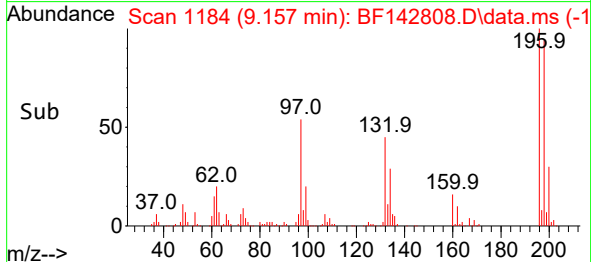
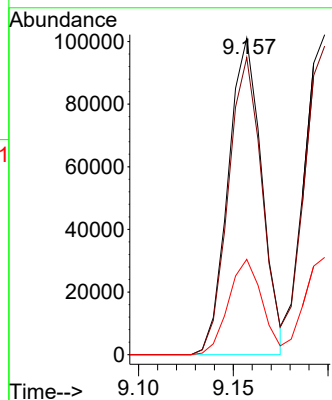
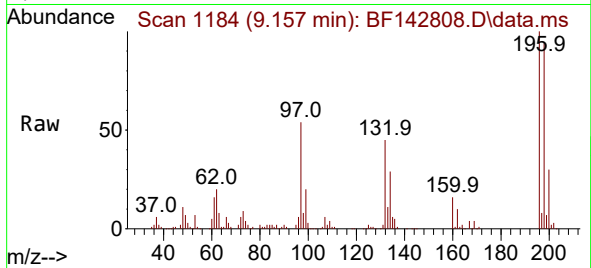




#43
2,4,6-Trichlorophenol
Concen: 47.869 ng
RT: 9.157 min Scan# 1184
Delta R.T. 0.000 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

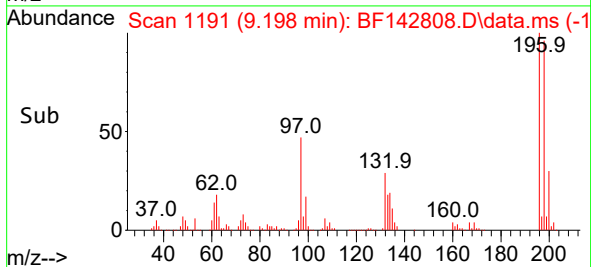
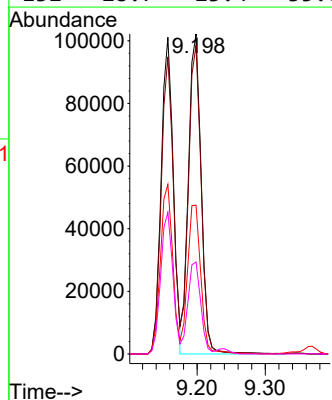
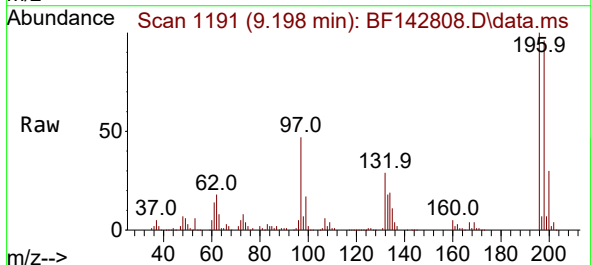
Instrument :
BNA_F
ClientSampleId :
MH-J-IMS

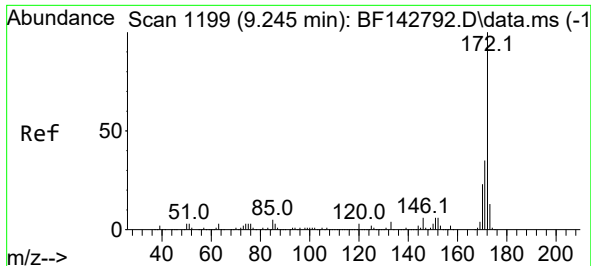
Tgt Ion:196 Resp: 124748
Ion Ratio Lower Upper
196 100
198 93.9 76.2 114.2
200 30.1 24.1 36.1



#44
2,4,5-Trichlorophenol
Concen: 48.242 ng
RT: 9.198 min Scan# 1191
Delta R.T. 0.000 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

Tgt Ion:196 Resp: 132340
Ion Ratio Lower Upper
196 100
198 96.4 76.6 115.0
97 46.5 38.2 57.2
132 28.7 23.4 35.0





#45

2-Fluorobiphenyl

Concen: 39.151 ng

RT: 9.239 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF142808.D

Acq: 23 Jun 2025 16:12

Instrument :

BNA_F

ClientSampleId :

MH-J-IMS

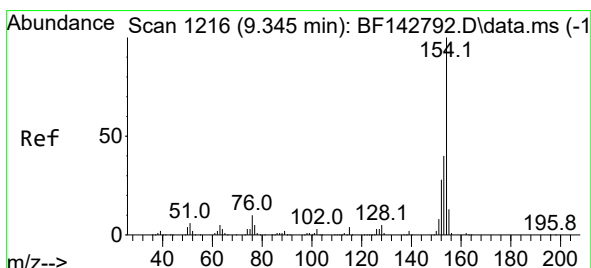
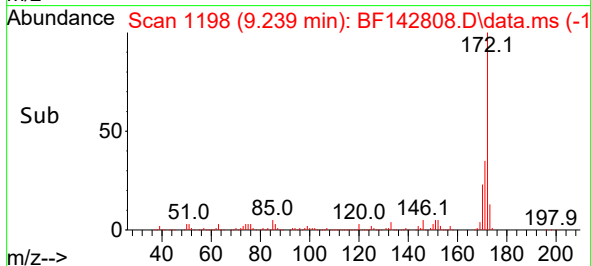
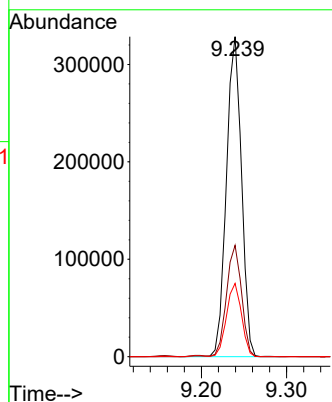
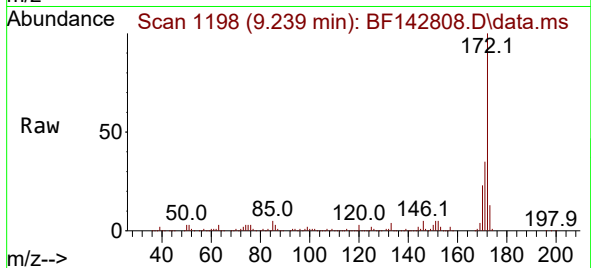
Tgt Ion:172 Resp: 403933

Ion Ratio Lower Upper

172 100

171 34.8 28.2 42.4

170 22.9 18.5 27.7



#46

1,1'-Biphenyl

Concen: 47.062 ng

RT: 9.339 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF142808.D

Acq: 23 Jun 2025 16:12

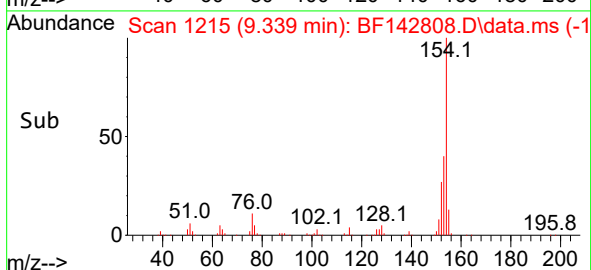
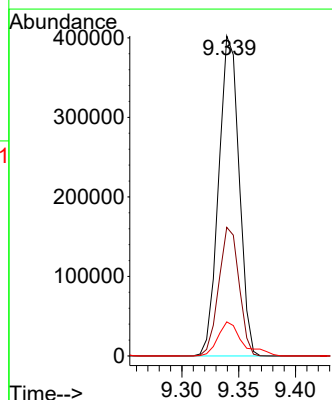
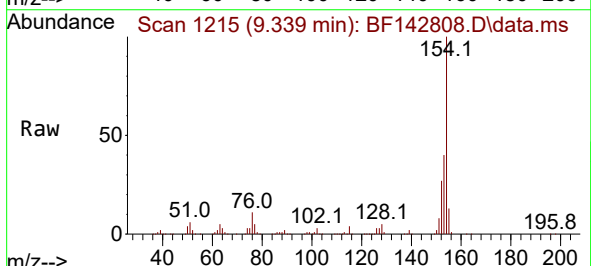
Tgt Ion:154 Resp: 503875

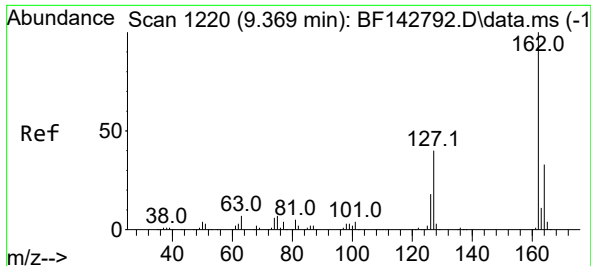
Ion Ratio Lower Upper

154 100

153 40.2 20.3 60.3

76 10.7 0.0 30.3





#47

2-Chloronaphthalene

Concen: 45.922 ng

RT: 9.369 min Scan# 1220

Delta R.T. 0.000 min

Lab File: BF142808.D

Acq: 23 Jun 2025 16:12

Instrument :

BNA_F

ClientSampleId :

MH-J-IMS

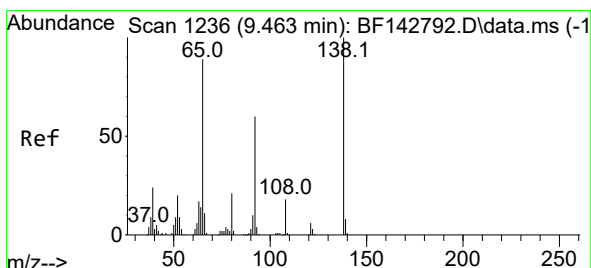
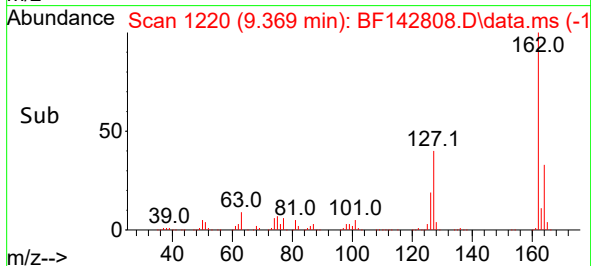
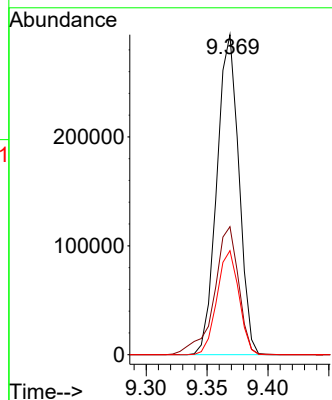
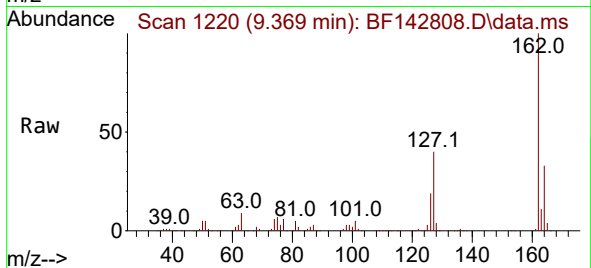
Tgt Ion:162 Resp: 368966

Ion Ratio Lower Upper

162 100

127 40.0 32.2 48.2

164 32.5 26.1 39.1



#48

2-Nitroaniline

Concen: 48.839 ng

RT: 9.463 min Scan# 1236

Delta R.T. 0.000 min

Lab File: BF142808.D

Acq: 23 Jun 2025 16:12

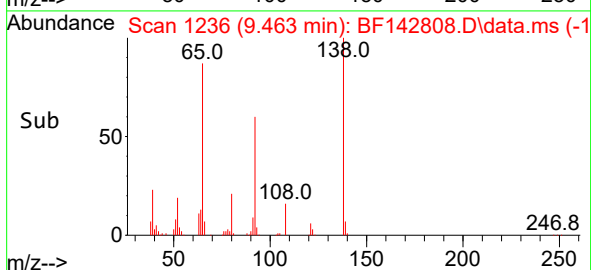
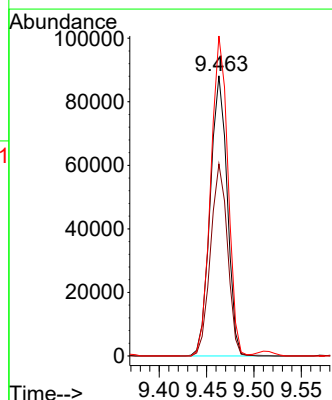
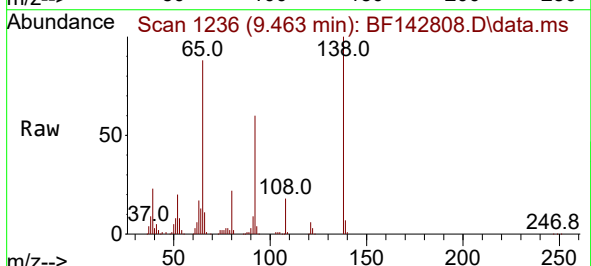
Tgt Ion: 65 Resp: 110011

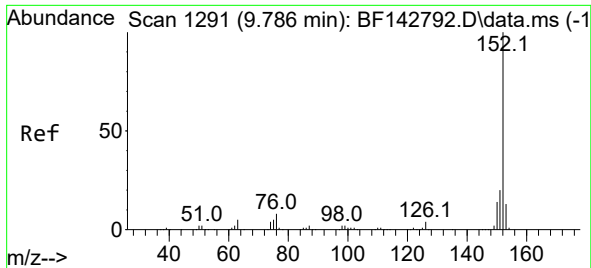
Ion Ratio Lower Upper

65 100

92 68.5 53.8 80.6

138 114.2 89.6 134.4

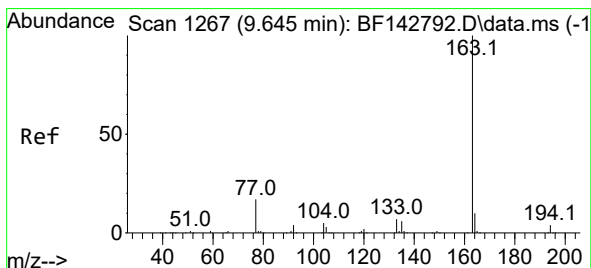
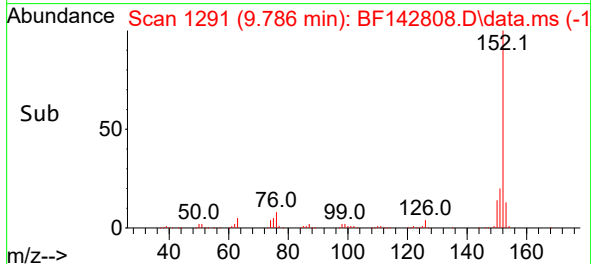
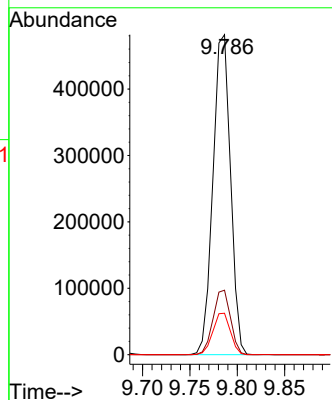
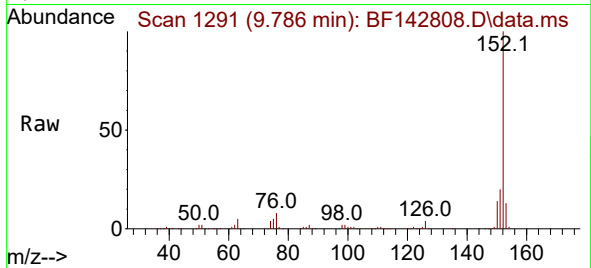




#49
Acenaphthylene
Concen: 47.099 ng
RT: 9.786 min Scan# 1291
Delta R.T. 0.000 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

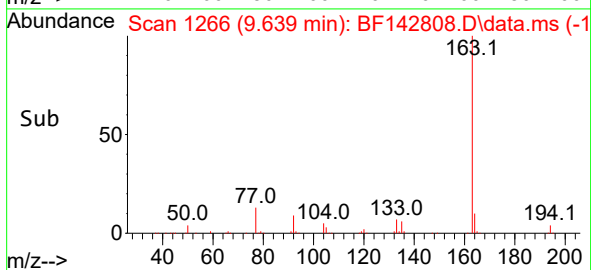
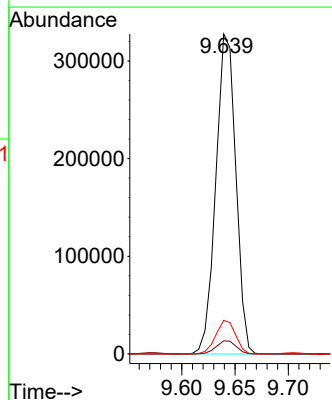
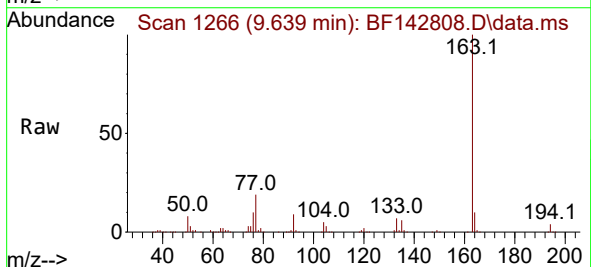
Instrument :
BNA_F
ClientSampleId :
MH-J-IMS

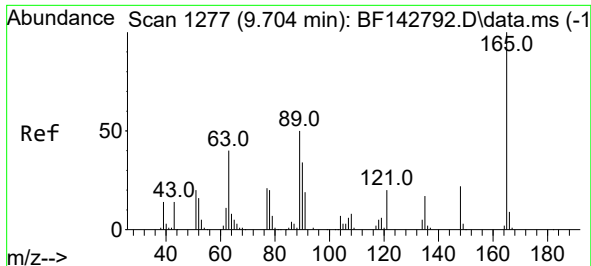
Tgt Ion:152 Resp: 622961
Ion Ratio Lower Upper
152 100
151 20.1 16.1 24.1
153 12.9 10.4 15.6



#50
Dimethylphthalate
Concen: 48.671 ng
RT: 9.639 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

Tgt Ion:163 Resp: 427012
Ion Ratio Lower Upper
163 100
194 4.1 3.3 4.9
164 10.5 8.0 12.0

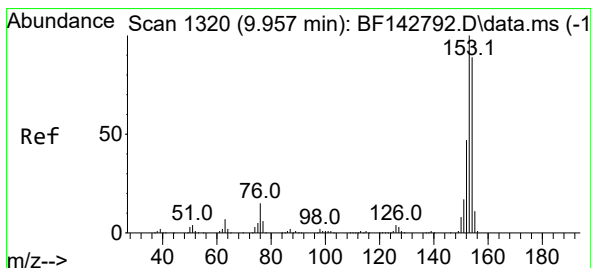
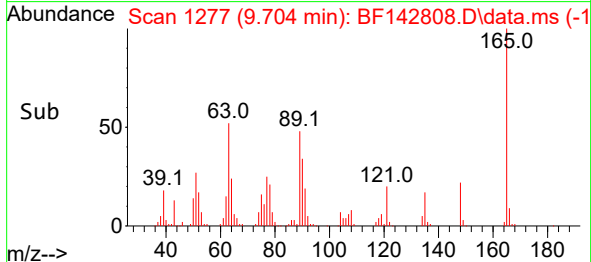
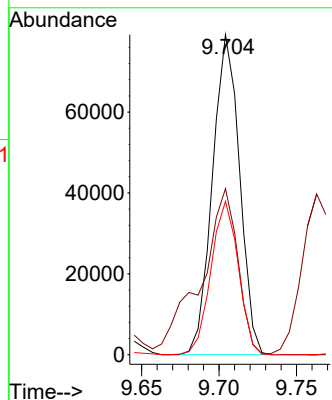
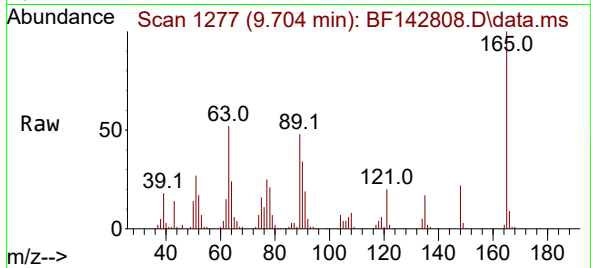




#51
2,6-Dinitrotoluene
Concen: 49.898 ng
RT: 9.704 min Scan# 1277
Delta R.T. 0.000 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

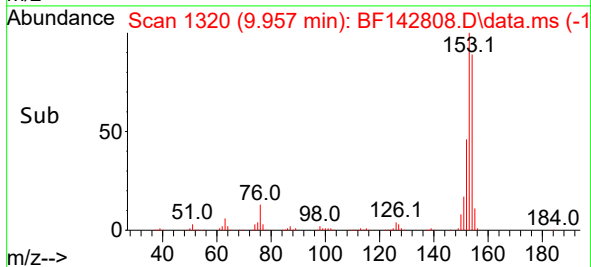
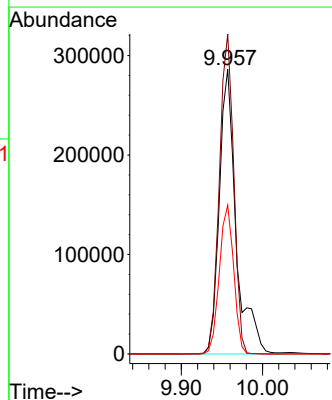
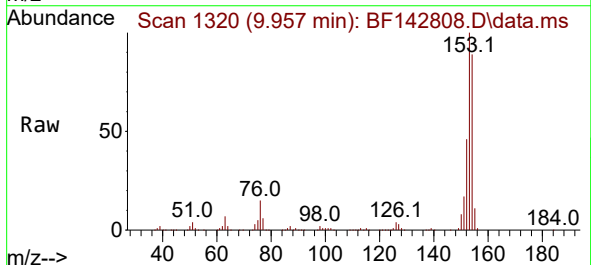
Instrument :
BNA_F
ClientSampleId :
MH-J-IMS

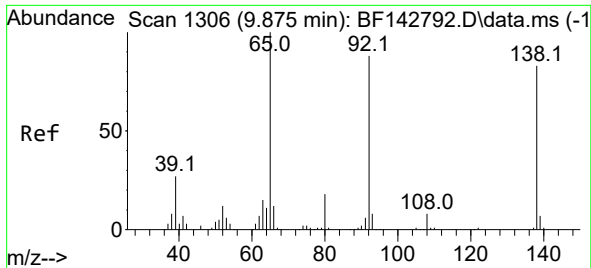
Tgt Ion:165 Resp: 96140
Ion Ratio Lower Upper
165 100
63 51.9 44.2 66.4
89 48.0 39.8 59.8



#52
Acenaphthene
Concen: 51.243 ng
RT: 9.957 min Scan# 1320
Delta R.T. 0.000 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

Tgt Ion:154 Resp: 413525
Ion Ratio Lower Upper
154 100
153 112.4 90.0 135.0
152 52.3 41.9 62.9

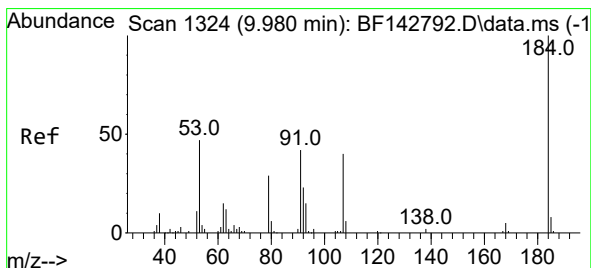
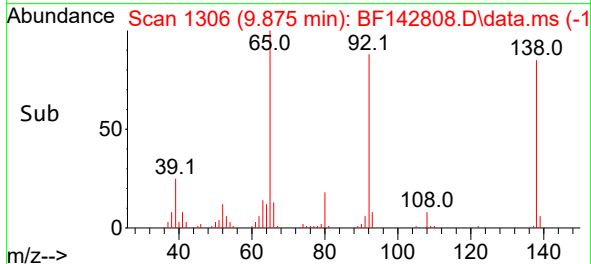
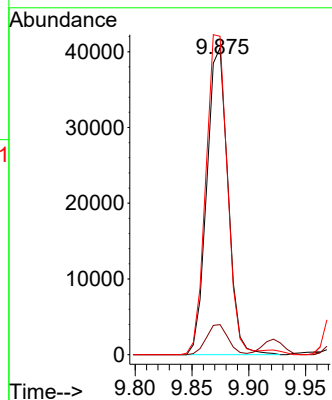
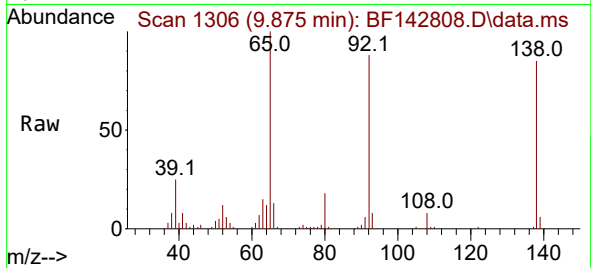




#53
3-Nitroaniline
Concen: 24.801 ng
RT: 9.875 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

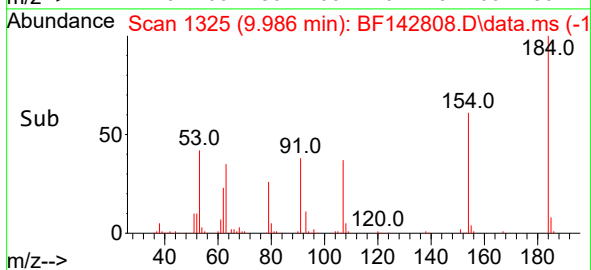
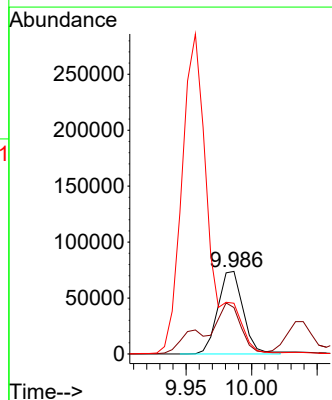
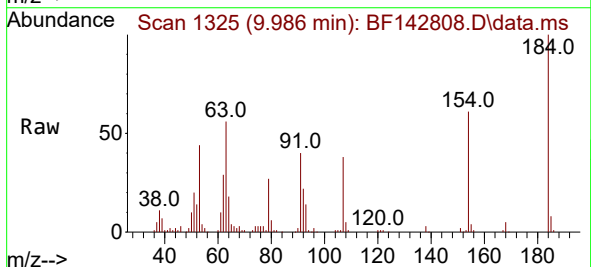
Instrument :
BNA_F
ClientSampleId :
MH-J-IMS

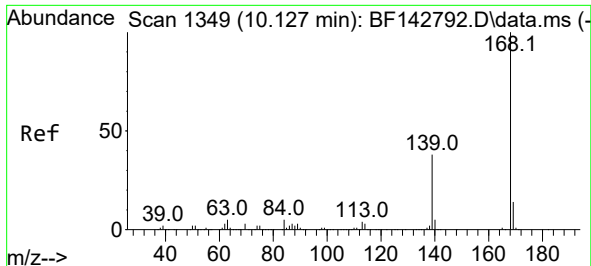
Tgt Ion:138 Resp: 52612
Ion Ratio Lower Upper
138 100
108 9.8 8.1 12.1
92 103.8 85.1 127.7



#54
2,4-Dinitrophenol
Concen: 102.646 ng
RT: 9.986 min Scan# 1325
Delta R.T. 0.006 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

Tgt Ion:184 Resp: 99027
Ion Ratio Lower Upper
184 100
63 56.2 50.6 75.8
154 61.4 51.8 77.8

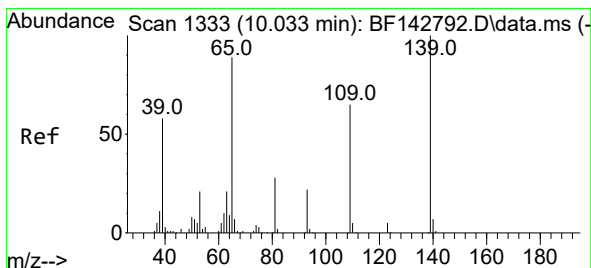
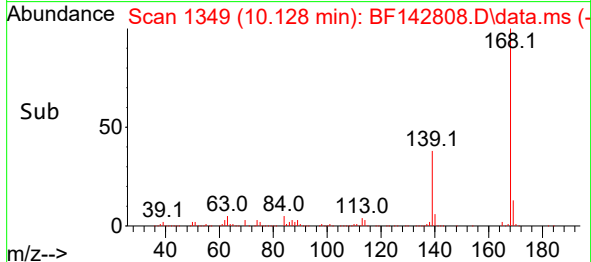
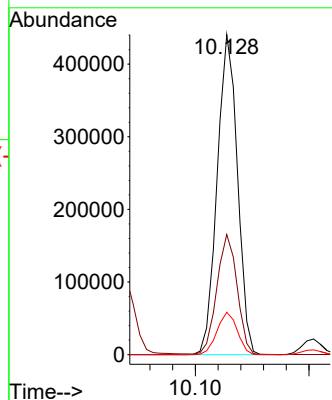
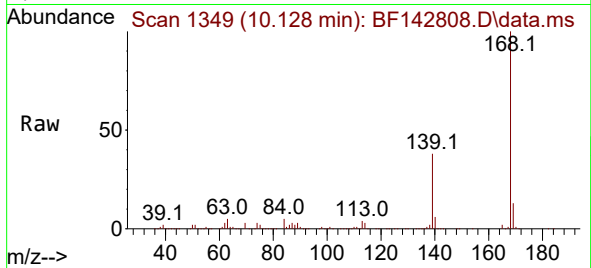




#55
Dibenzenofuran
Concen: 47.294 ng
RT: 10.128 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

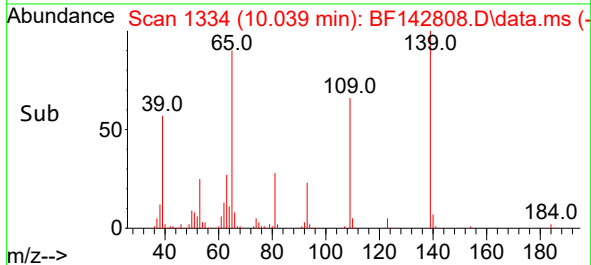
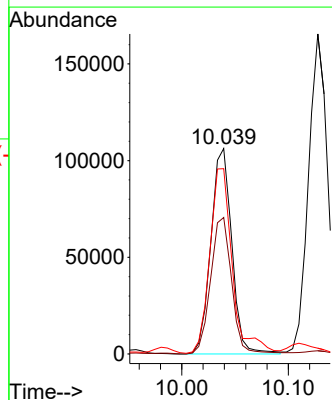
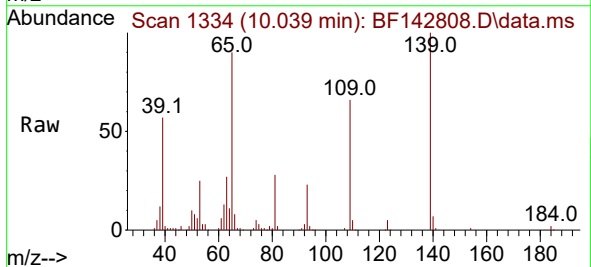
Instrument :
BNA_F
ClientSampleId :
MH-J-IMS

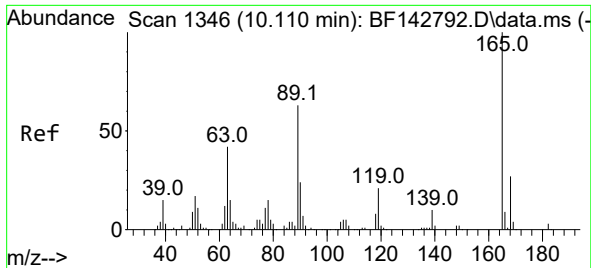
Tgt Ion:168 Resp: 547283
Ion Ratio Lower Upper
168 100
139 37.6 30.2 45.4
169 13.2 10.8 16.2



#56
4-Nitrophenol
Concen: 99.739 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.006 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

Tgt Ion:139 Resp: 144848
Ion Ratio Lower Upper
139 100
109 66.4 44.7 84.7
65 90.2 69.8 109.8

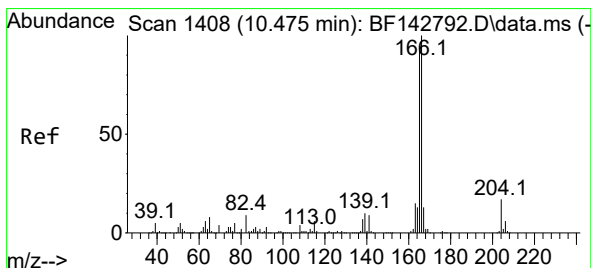
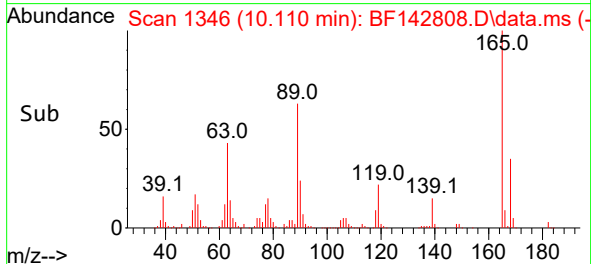
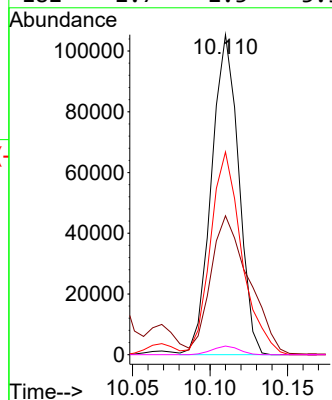
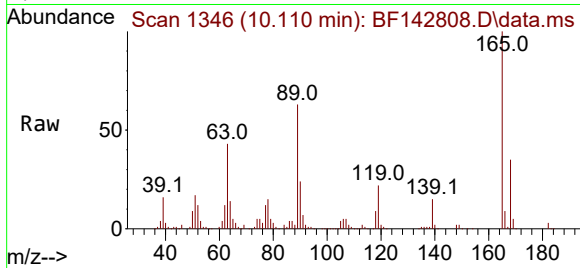




#57
2,4-Dinitrotoluene
Concen: 50.129 ng
RT: 10.110 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

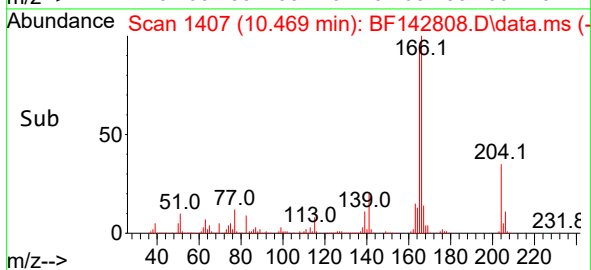
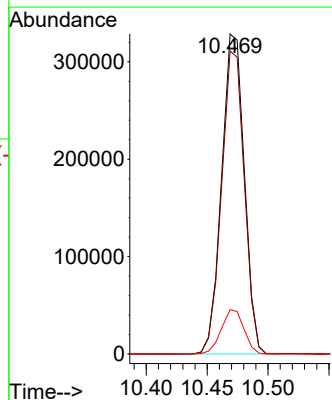
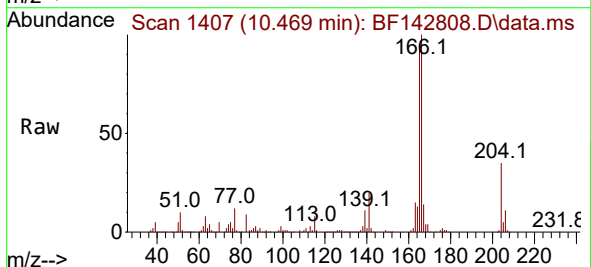
Instrument :
BNA_F
ClientSampleId :
MH-J-IMS

Tgt Ion:165 Resp: 128293
Ion Ratio Lower Upper
165 100
63 43.4 33.9 50.9
89 63.3 50.6 75.8
182 2.7 2.3 3.5



#58
Fluorene
Concen: 47.218 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

Tgt Ion:166 Resp: 426738
Ion Ratio Lower Upper
166 100
165 94.7 75.2 112.8
167 13.9 10.6 15.8

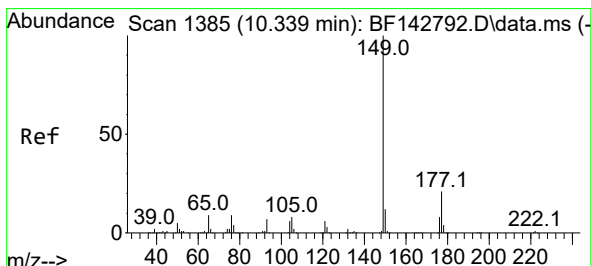
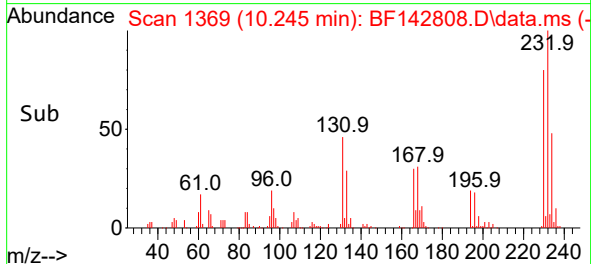
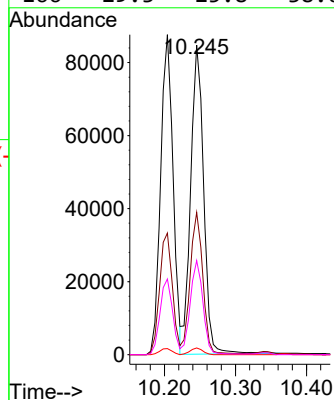
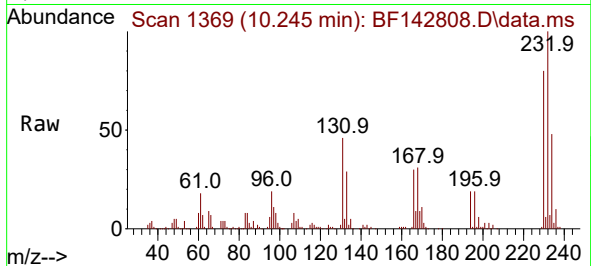




#59
2,3,4,6-Tetrachlorophenol
Concen: 48.744 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

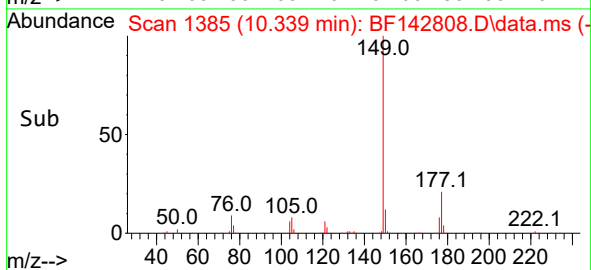
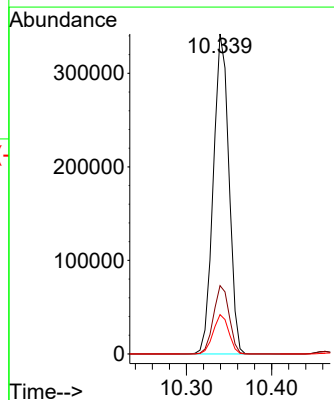
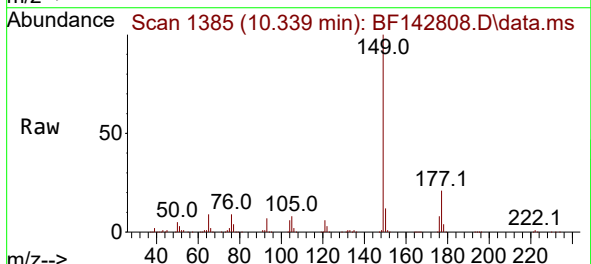
Instrument :
BNA_F
ClientSampleId :
MH-J-IMS

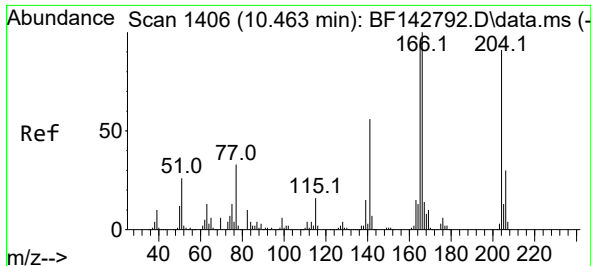
Tgt Ion:232 Resp: 107784
Ion Ratio Lower Upper
232 100
131 45.2 37.6 56.4
130 2.1 1.7 2.5
166 29.3 25.8 38.6



#60
Diethylphthalate
Concen: 50.486 ng
RT: 10.339 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

Tgt Ion:149 Resp: 434284
Ion Ratio Lower Upper
149 100
177 21.4 17.0 25.6
150 12.3 9.8 14.6

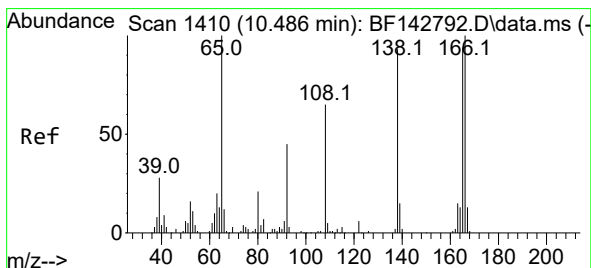
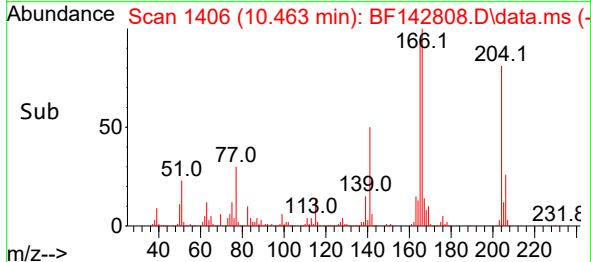
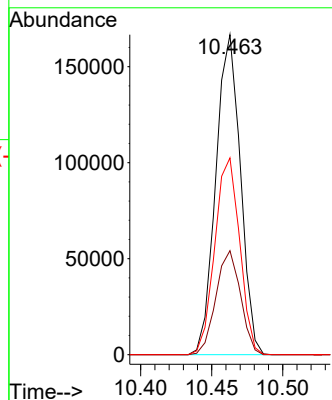
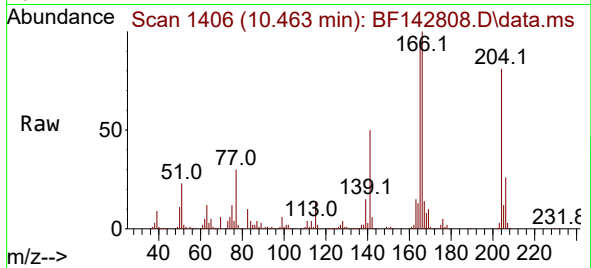




#61
4-Chlorophenyl-phenylether
Concen: 46.565 ng
RT: 10.463 min Scan# 1406
Delta R.T. 0.000 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

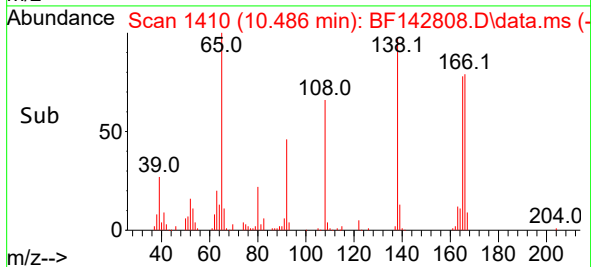
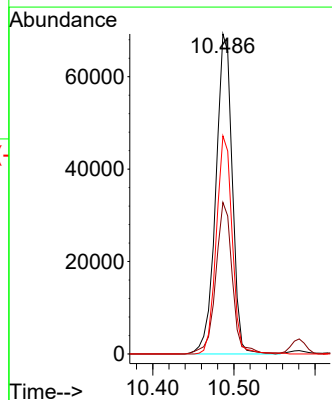
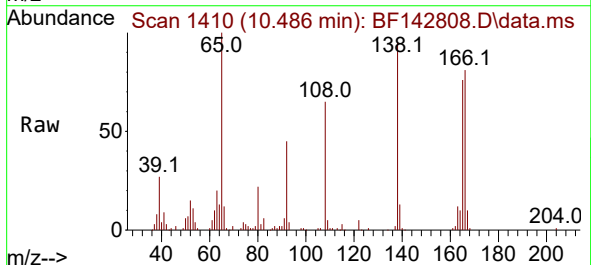
Instrument :
BNA_F
ClientSampleId :
MH-J-IMS

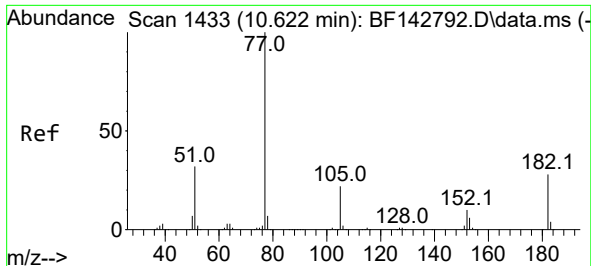
Tgt Ion:204 Resp: 200816
Ion Ratio Lower Upper
204 100
206 32.5 26.3 39.5
141 61.5 49.1 73.7



#62
4-Nitroaniline
Concen: 50.376 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

Tgt Ion:138 Resp: 97734
Ion Ratio Lower Upper
138 100
92 47.4 28.4 68.4
108 68.1 50.2 90.2

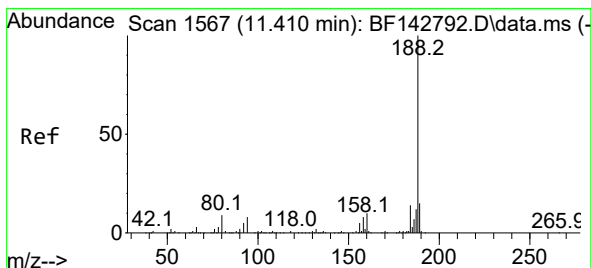
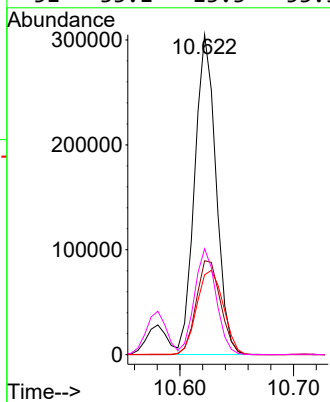
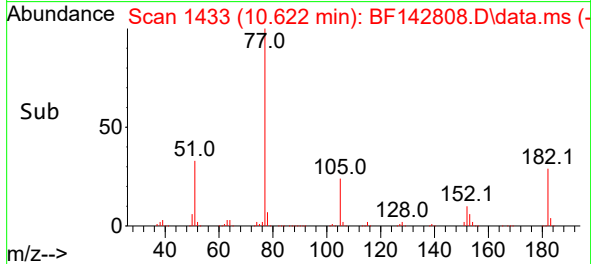
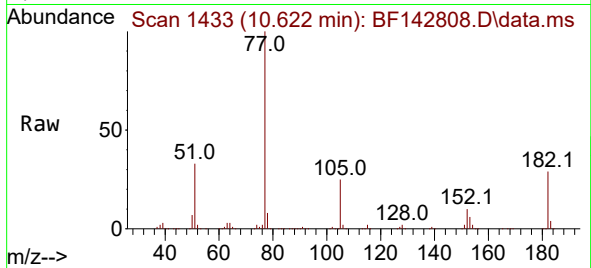




#63
Azobenzene
Concen: 51.578 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

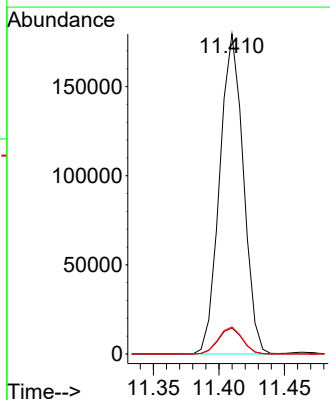
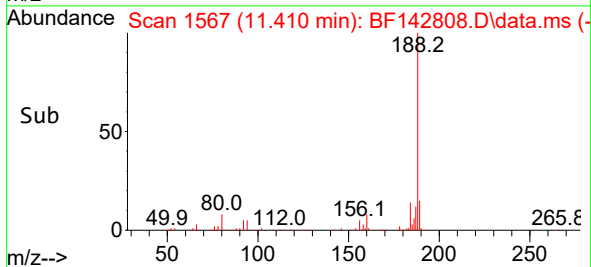
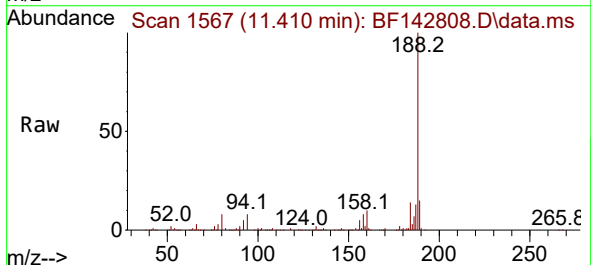
Instrument :
BNA_F
ClientSampleId :
MH-J-IMS

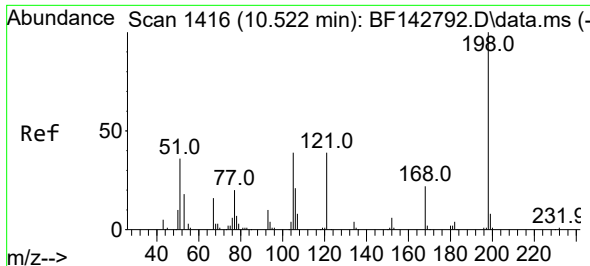
Tgt Ion: 77	Resp: 396547
Ion Ratio	Lower Upper
77 100	
182 29.3	7.7 47.7
105 24.9	1.9 41.9
51 33.1	13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

Tgt Ion:188	Resp: 225442		
Ion Ratio	Lower	Upper	
188 100			
94 8.1	6.7	10.1	
80 8.4	6.9	10.3	

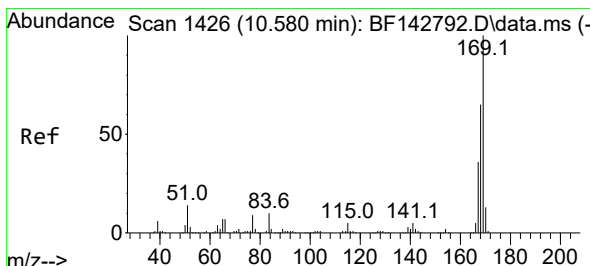
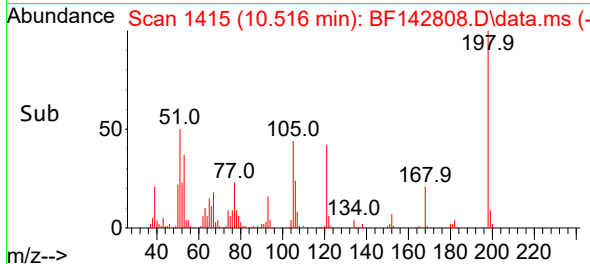
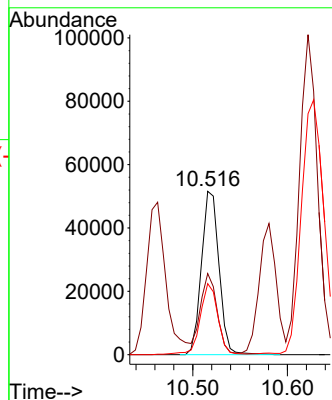
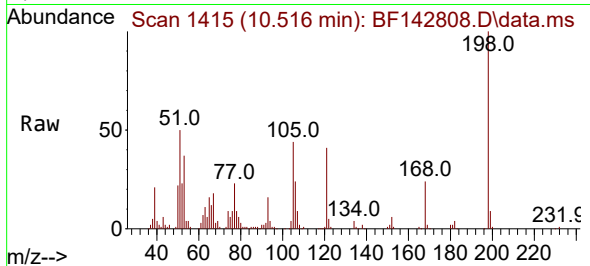




#65
4,6-Dinitro-2-methylphenol
Concen: 48.684 ng
RT: 10.516 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

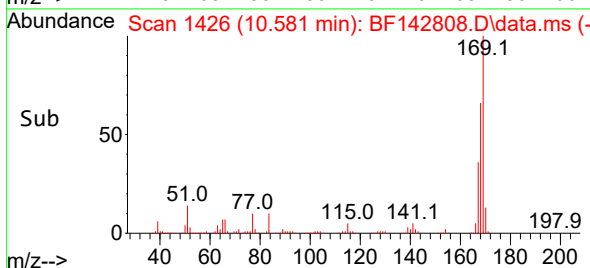
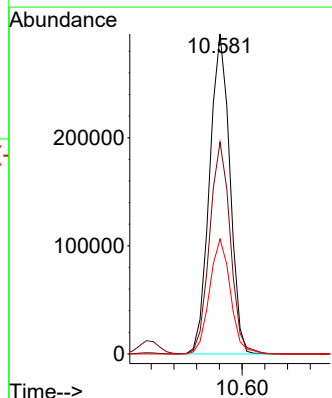
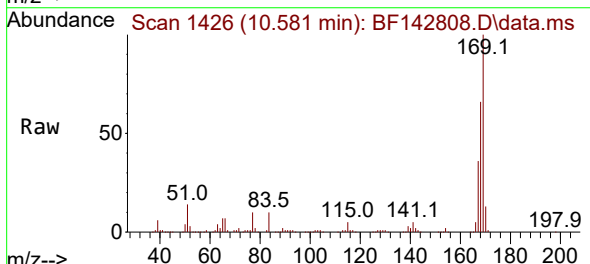
Instrument :
BNA_F
ClientSampleId :
MH-J-IMS

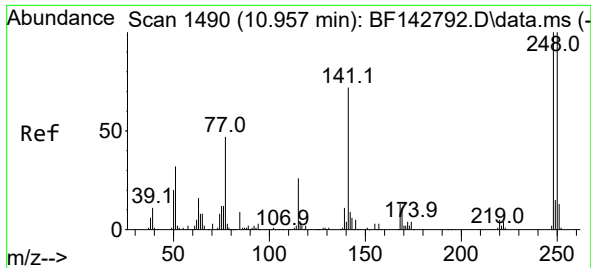
Tgt Ion:198 Resp: 66386
Ion Ratio Lower Upper
198 100
51 49.7 25.4 65.4
105 43.5 20.4 60.4



#66
n-Nitrosodiphenylamine
Concen: 46.949 ng
RT: 10.581 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

Tgt Ion:169 Resp: 366828
Ion Ratio Lower Upper
169 100
168 66.2 51.9 77.9
167 35.9 28.5 42.7

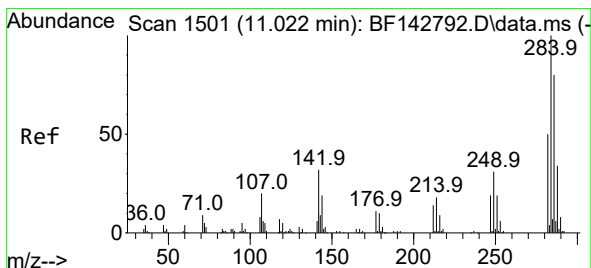
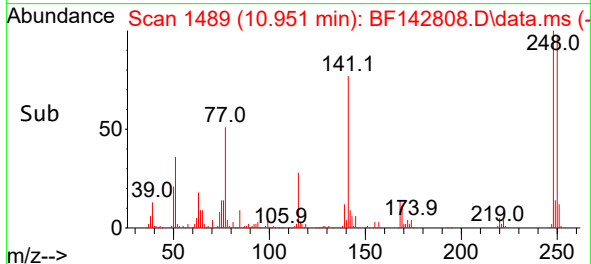
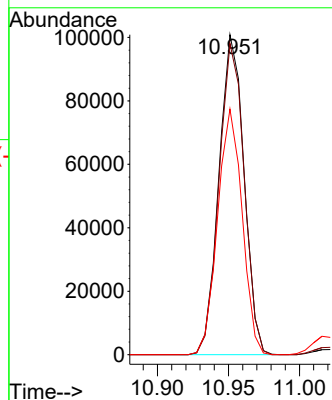
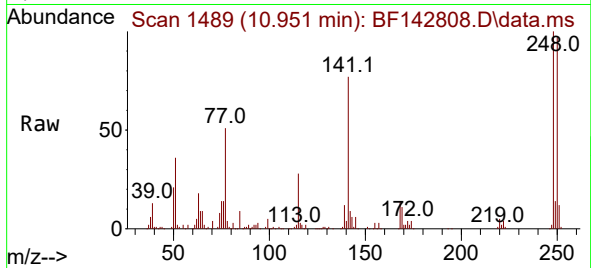




#67
4-Bromophenyl-phenylether
Concen: 48.257 ng
RT: 10.951 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

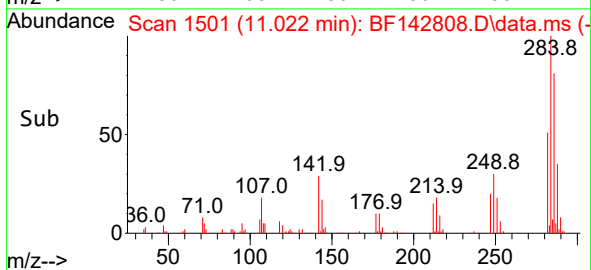
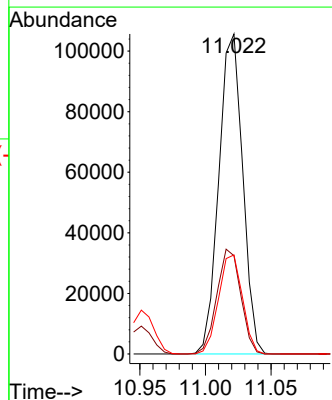
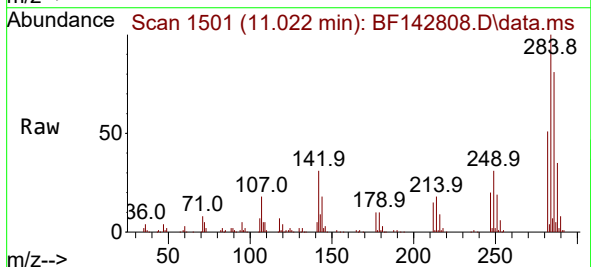
Instrument :
BNA_F
ClientSampleId :
MH-J-IMS

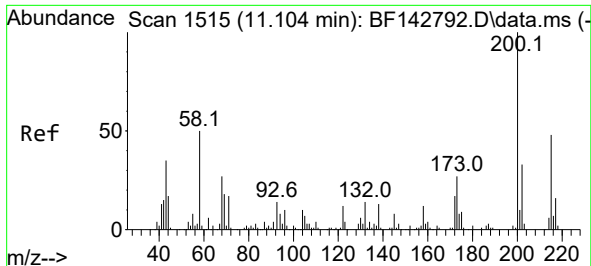
Tgt Ion:248 Resp: 123815
Ion Ratio Lower Upper
248 100
250 97.2 79.8 119.8
141 76.7 57.8 86.6



#68
Hexachlorobenzene
Concen: 46.815 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

Tgt Ion:284 Resp: 133468
Ion Ratio Lower Upper
284 100
142 30.7 25.5 38.3
249 31.0 24.9 37.3

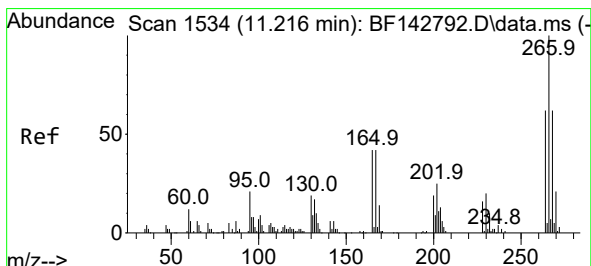
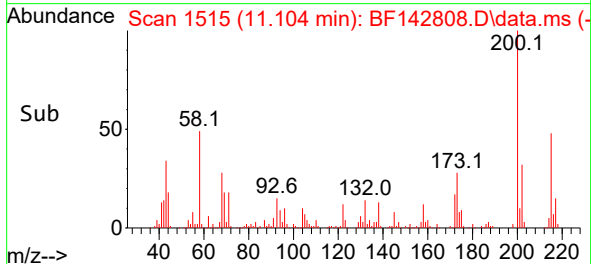
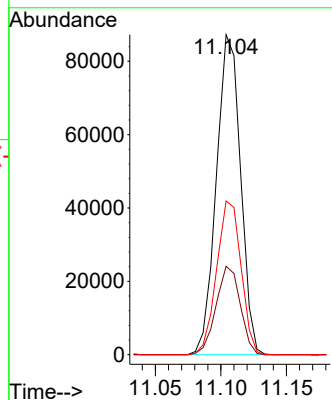
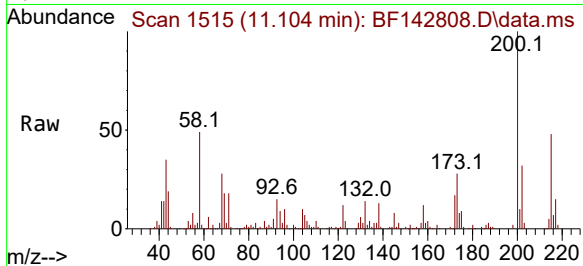




#69
 Atrazine
 Concen: 55.393 ng
 RT: 11.104 min Scan# 1515
 Delta R.T. 0.000 min
 Lab File: BF142808.D
 Acq: 23 Jun 2025 16:12

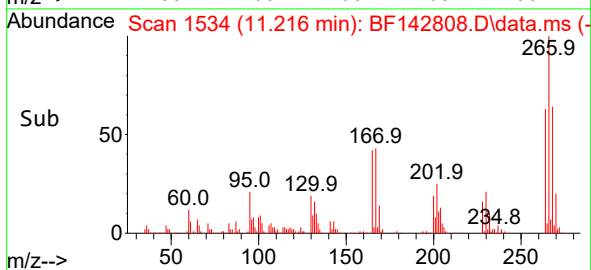
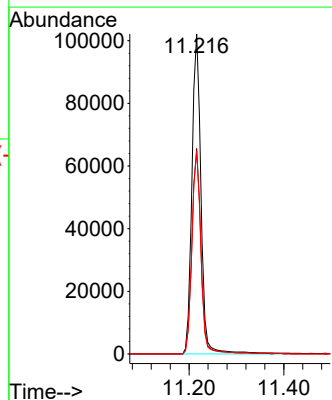
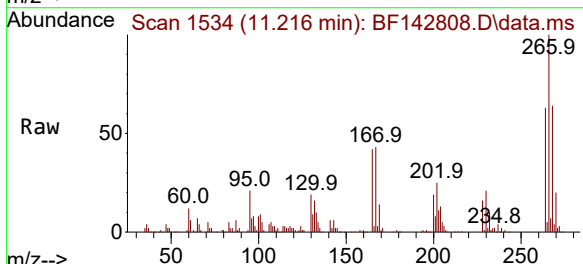
Instrument :
 BNA_F
 ClientSampleId :
 MH-J-IMS

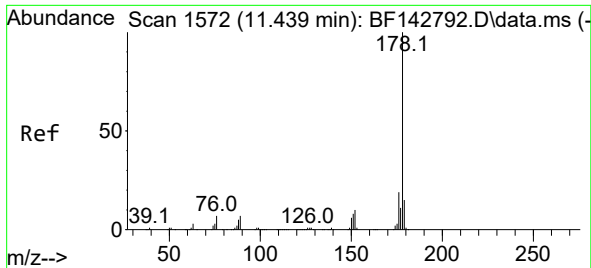
Tgt Ion:200 Resp: 111763
 Ion Ratio Lower Upper
 200 100
 173 27.7 7.4 47.4
 215 48.0 28.4 68.4



#70
 Pentachlorophenol
 Concen: 95.896 ng
 RT: 11.216 min Scan# 1534
 Delta R.T. 0.000 min
 Lab File: BF142808.D
 Acq: 23 Jun 2025 16:12

Tgt Ion:266 Resp: 136234
 Ion Ratio Lower Upper
 266 100
 268 64.2 49.8 74.8
 264 63.4 49.9 74.9

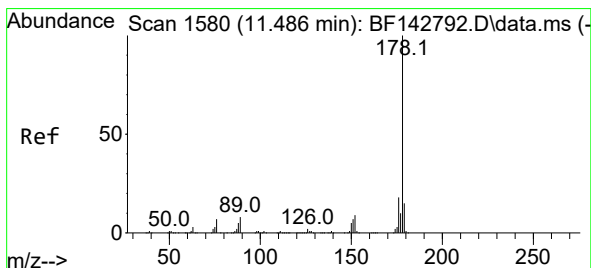
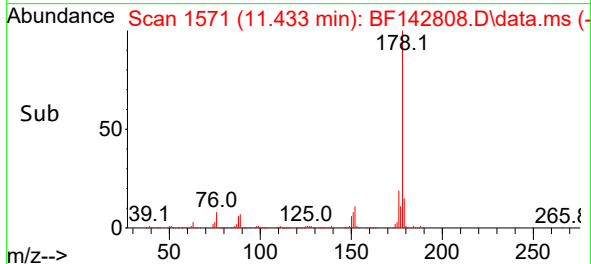
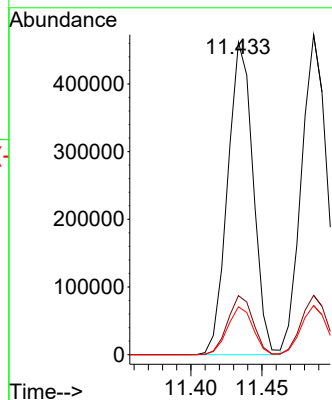
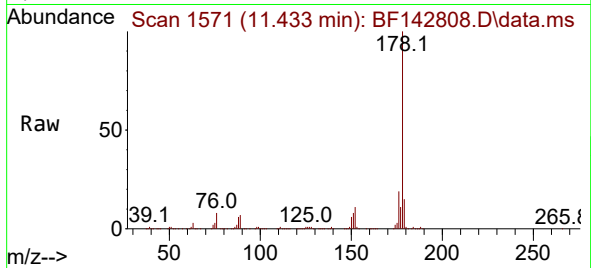




#71
Phenanthrene
Concen: 47.267 ng
RT: 11.433 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

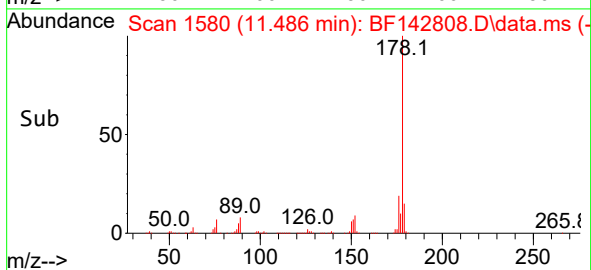
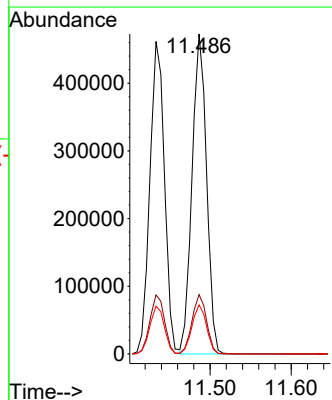
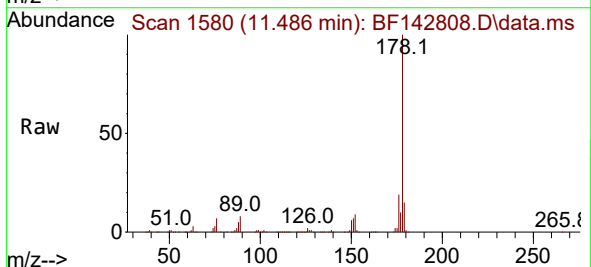
Instrument :
BNA_F
ClientSampleId :
MH-J-IMS

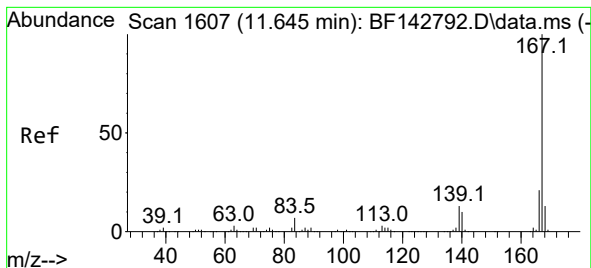
Tgt Ion:178 Resp: 577233
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 15.3 12.0 18.0



#72
Anthracene
Concen: 46.976 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

Tgt Ion:178 Resp: 588359
Ion Ratio Lower Upper
178 100
176 18.5 14.6 21.8
179 15.3 12.4 18.6





#73

Carbazole

Concen: 47.277 ng

RT: 11.639 min Scan# 1606

Delta R.T. -0.006 min

Lab File: BF142808.D

Acq: 23 Jun 2025 16:12

Instrument :

BNA_F

ClientSampleId :

MH-J-IMS

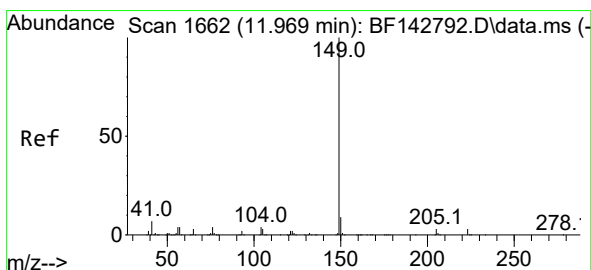
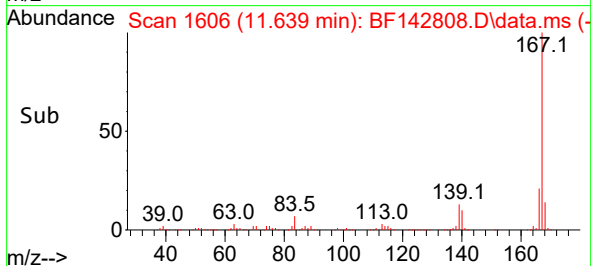
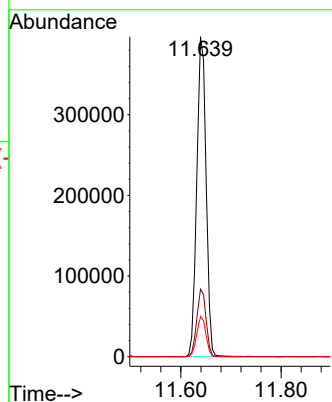
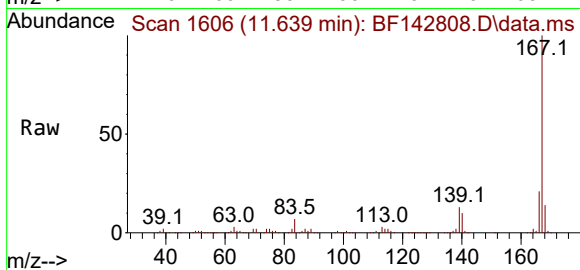
Tgt Ion:167 Resp: 510983

Ion Ratio Lower Upper

167 100

166 21.1 17.0 25.4

139 12.5 10.2 15.2



#74

Di-n-butylphthalate

Concen: 53.821 ng

RT: 11.969 min Scan# 1662

Delta R.T. 0.000 min

Lab File: BF142808.D

Acq: 23 Jun 2025 16:12

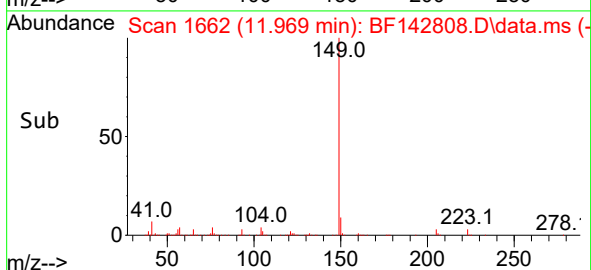
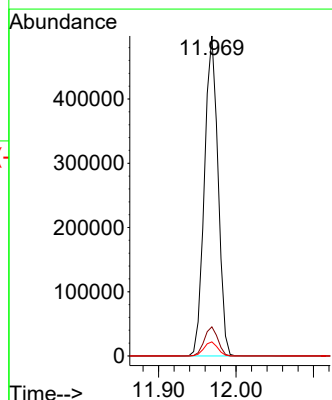
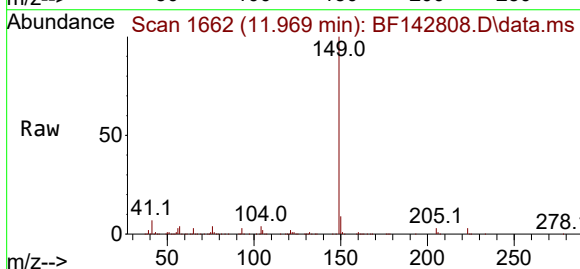
Tgt Ion:149 Resp: 605997

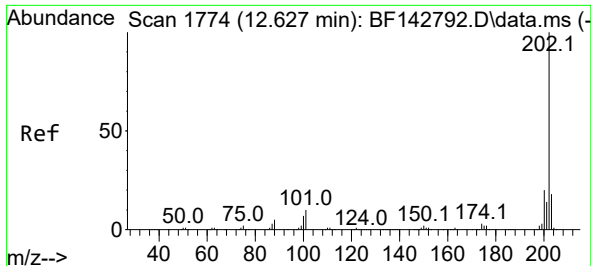
Ion Ratio Lower Upper

149 100

150 9.1 7.4 11.0

104 4.4 3.5 5.3

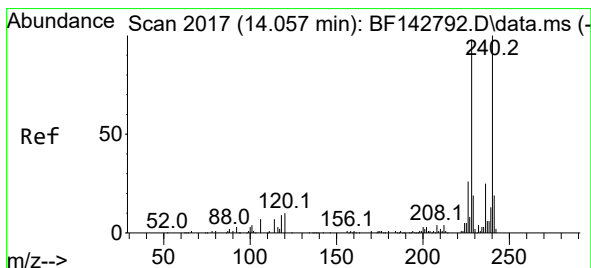
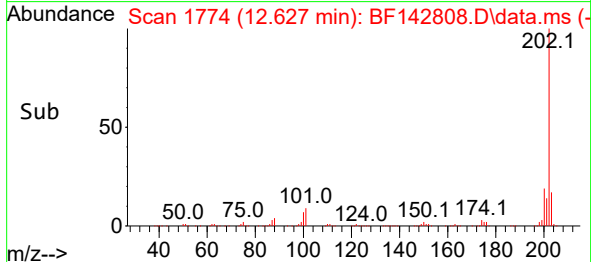
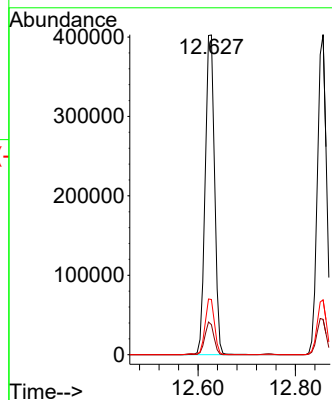
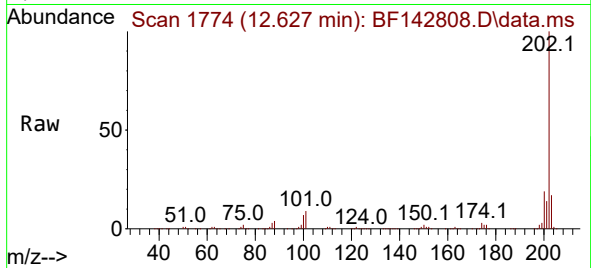




#75
Fluoranthene
Concen: 46.165 ng
RT: 12.627 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

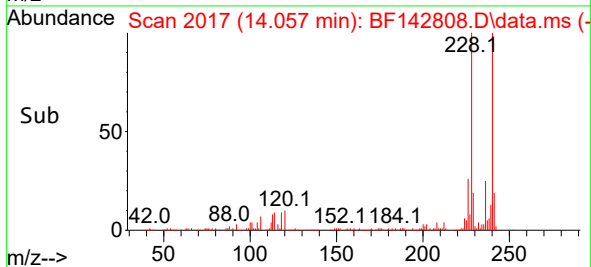
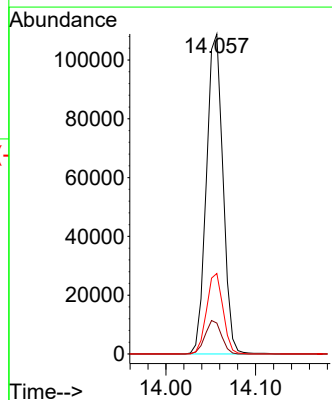
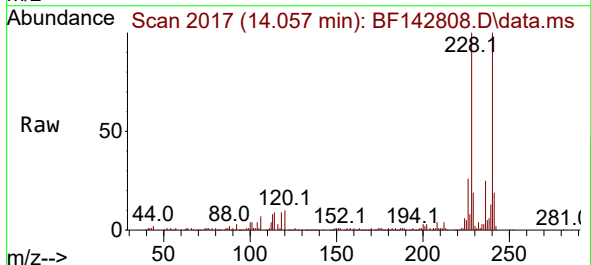
Instrument :
BNA_F
ClientSampleId :
MH-J-IMS

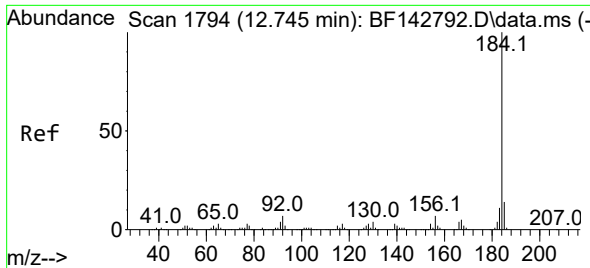
Tgt Ion:202 Resp: 535054
Ion Ratio Lower Upper
202 100
101 9.4 0.0 29.7
203 17.3 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

Tgt Ion:240 Resp: 139103
Ion Ratio Lower Upper
240 100
120 9.7 8.2 12.2
236 25.1 19.8 29.8

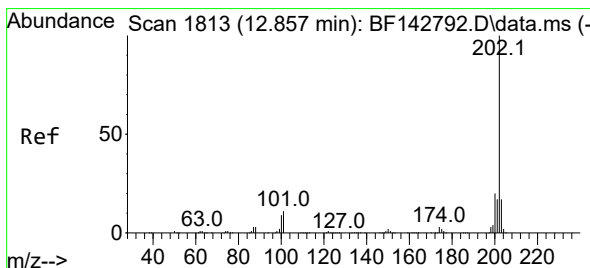
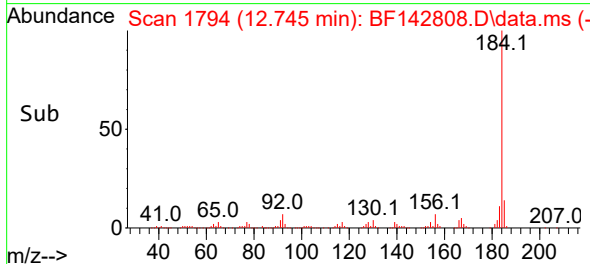
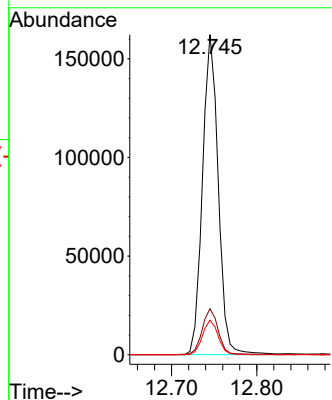
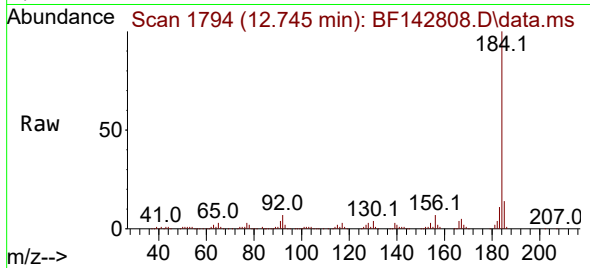




#77
Benzidine
Concen: 39.797 ng
RT: 12.745 min Scan# 1794
Delta R.T. 0.000 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

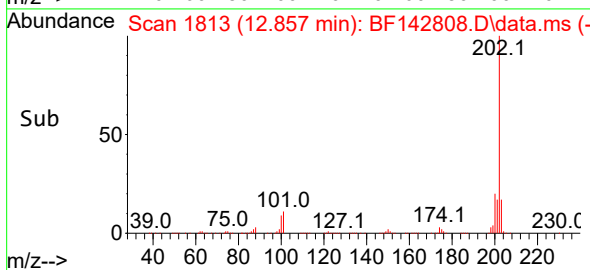
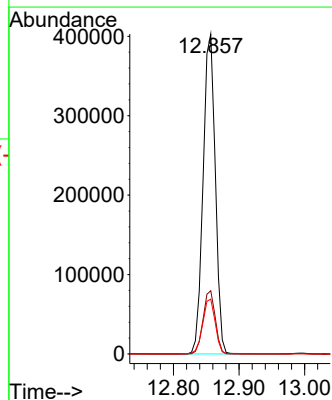
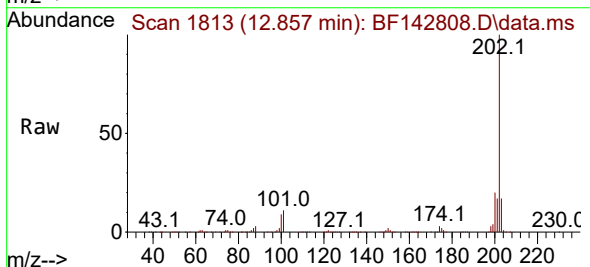
Instrument :
BNA_F
ClientSampleId :
MH-J-IMS

Tgt Ion:184 Resp: 207988
Ion Ratio Lower Upper
184 100
185 14.3 11.5 17.3
183 10.7 9.0 13.4



#78
Pyrene
Concen: 40.118 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

Tgt Ion:202 Resp: 523080
Ion Ratio Lower Upper
202 100
200 19.7 15.7 23.5
203 17.2 13.8 20.6

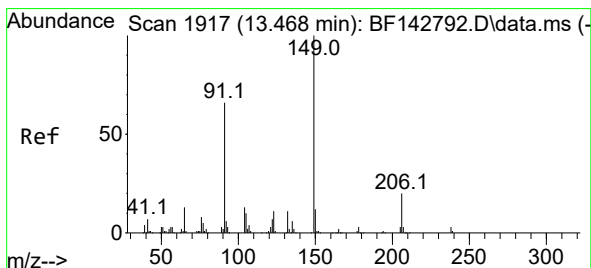
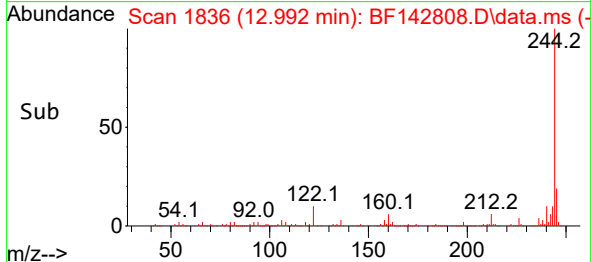
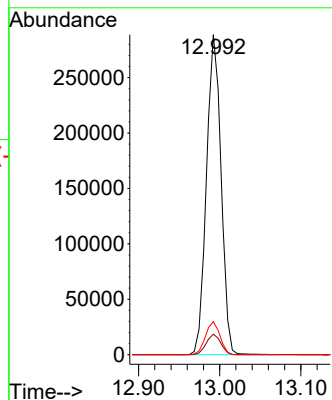
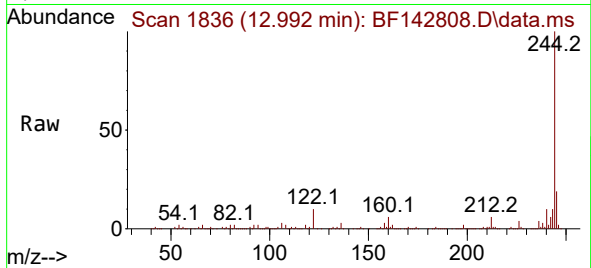




#79
 Terphenyl-d14
 Concen: 35.754 ng
 RT: 12.992 min Scan# 1836
 Delta R.T. -0.006 min
 Lab File: BF142808.D
 Acq: 23 Jun 2025 16:12

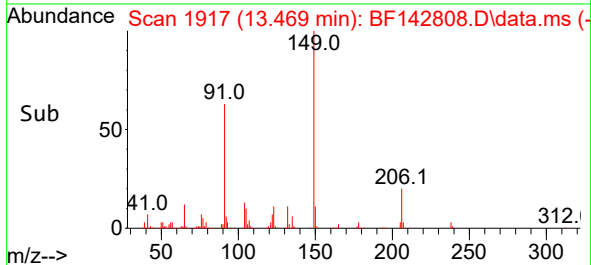
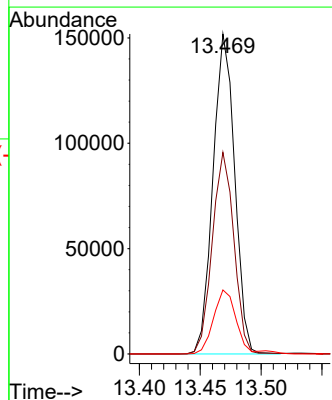
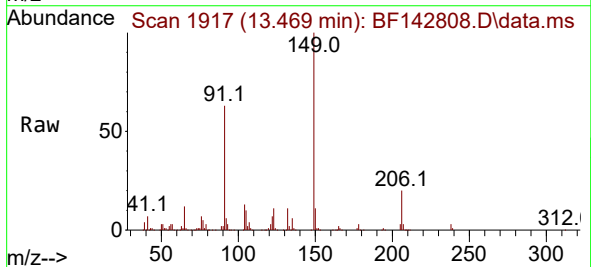
Instrument :
 BNA_F
 ClientSampleId :
 MH-J-IMS

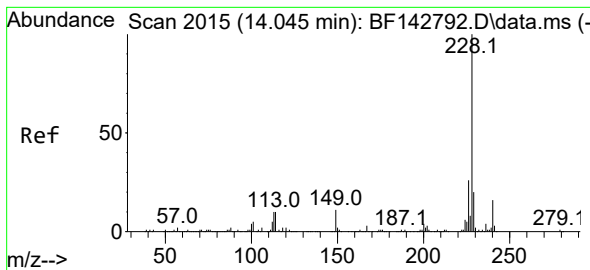
Tgt Ion:244 Resp: 359958
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 10.3 8.2 12.2



#80
 Butylbenzylphthalate
 Concen: 49.875 ng
 RT: 13.469 min Scan# 1917
 Delta R.T. 0.000 min
 Lab File: BF142808.D
 Acq: 23 Jun 2025 16:12

Tgt Ion:149 Resp: 188634
 Ion Ratio Lower Upper
 149 100
 91 63.0 52.9 79.3
 206 20.0 16.3 24.5





#81

Benzo(a)anthracene

Concen: 47.368 ng

RT: 14.045 min Scan# 2015

Delta R.T. 0.000 min

Lab File: BF142808.D

Acq: 23 Jun 2025 16:12

Instrument :

BNA_F

ClientSampleId :

MH-J-IMS

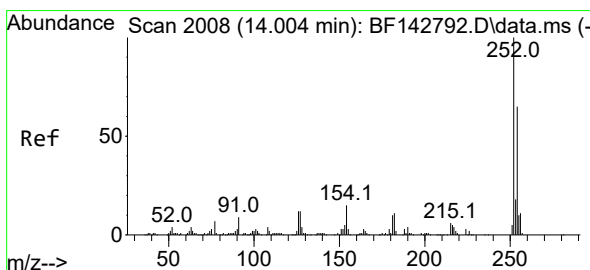
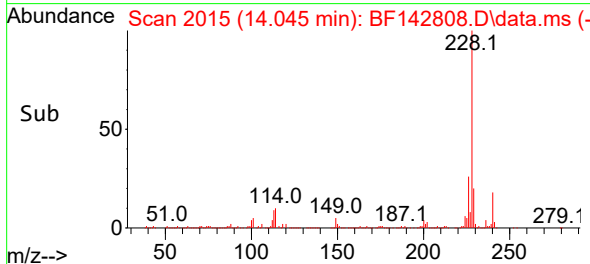
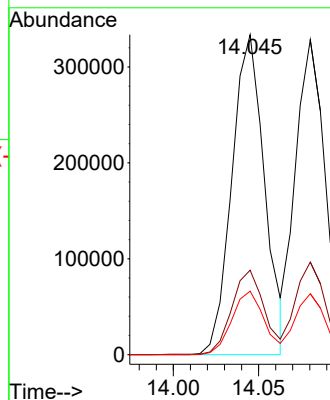
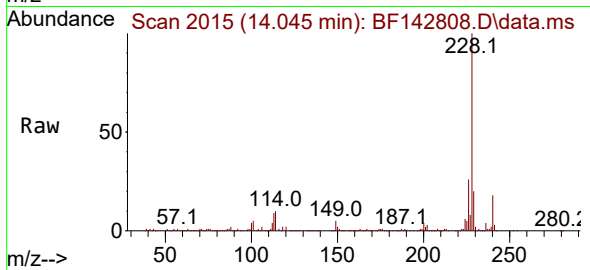
Tgt Ion:228 Resp: 444500

Ion Ratio Lower Upper

228 100

226 26.4 21.2 31.8

229 19.8 15.6 23.4



#82

3,3'-Dichlorobenzidine

Concen: 13.725 ng

RT: 14.004 min Scan# 2008

Delta R.T. 0.000 min

Lab File: BF142808.D

Acq: 23 Jun 2025 16:12

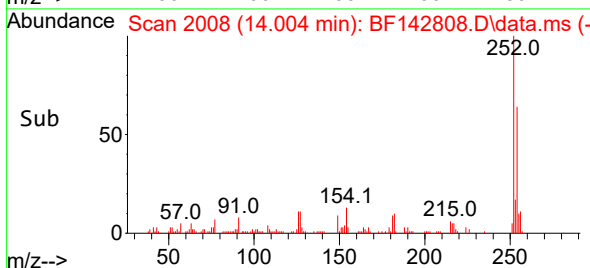
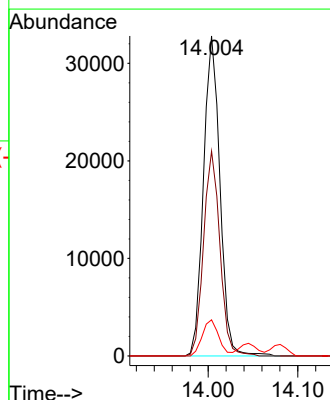
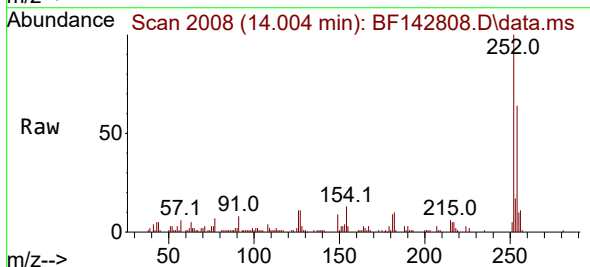
Tgt Ion:252 Resp: 41776

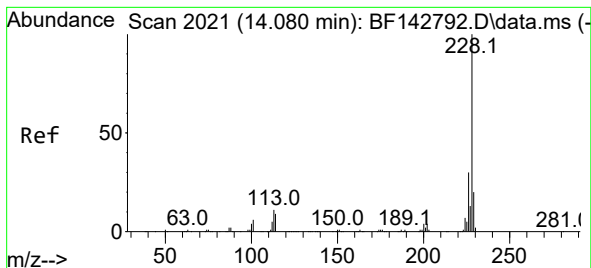
Ion Ratio Lower Upper

252 100

254 64.0 51.7 77.5

126 11.3 9.4 14.2





#83

Chrysene

Concen: 47.487 ng

RT: 14.080 min Scan# 2021

Delta R.T. 0.000 min

Lab File: BF142808.D

Acq: 23 Jun 2025 16:12

Instrument :

BNA_F

ClientSampleId :

MH-J-IMS

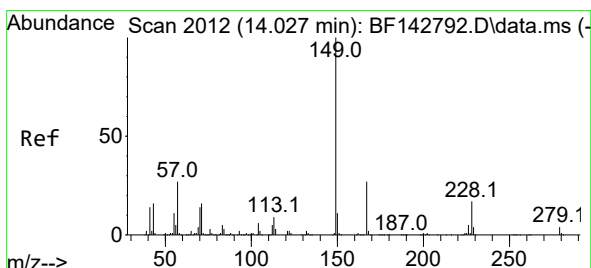
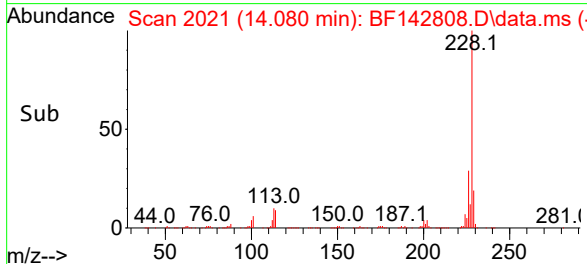
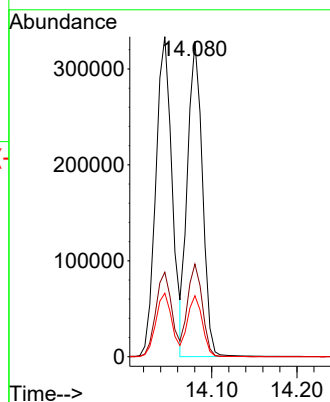
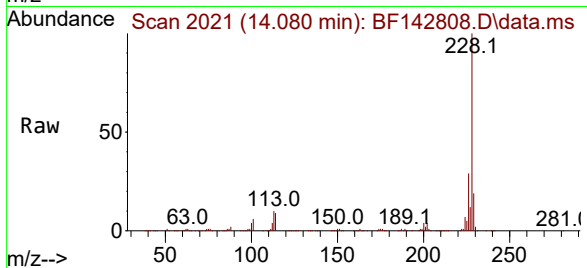
Tgt Ion:228 Resp: 397636

Ion Ratio Lower Upper

228 100

226 29.4 23.7 35.5

229 19.4 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 44.256 ng

RT: 14.027 min Scan# 2012

Delta R.T. 0.000 min

Lab File: BF142808.D

Acq: 23 Jun 2025 16:12

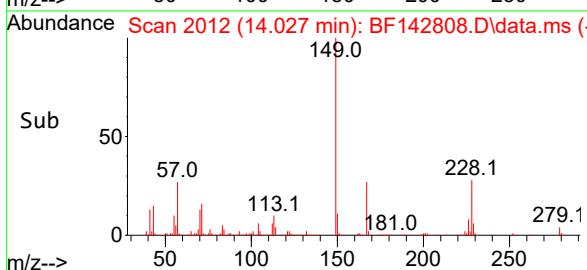
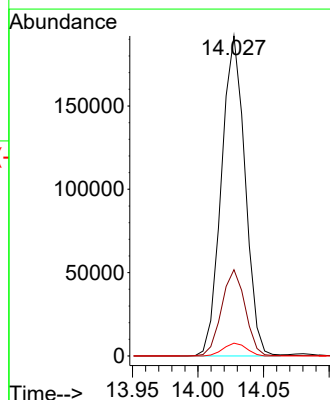
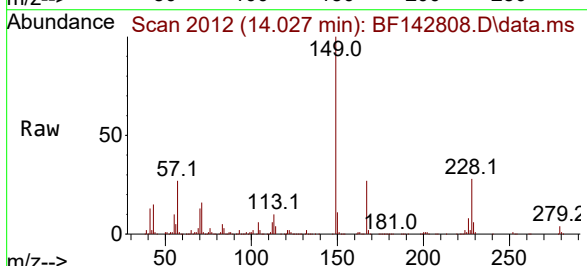
Tgt Ion:149 Resp: 240826

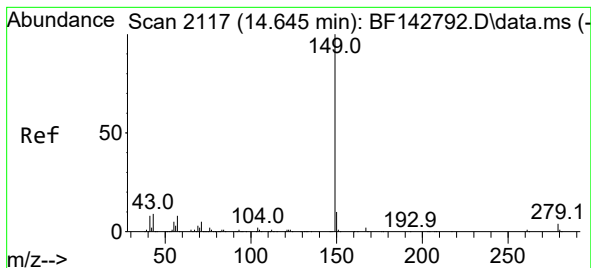
Ion Ratio Lower Upper

149 100

167 27.0 21.4 32.0

279 4.0 3.0 4.6

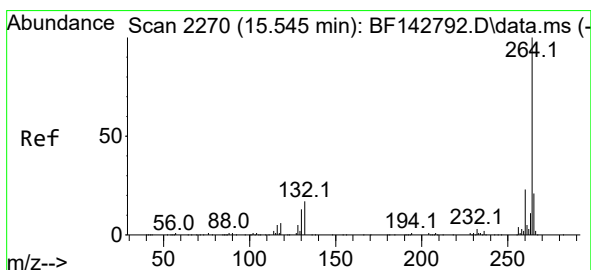
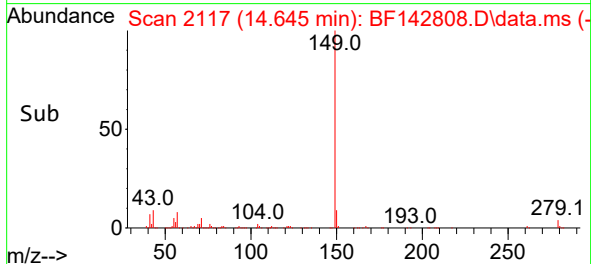
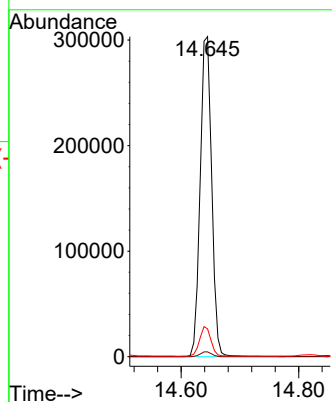
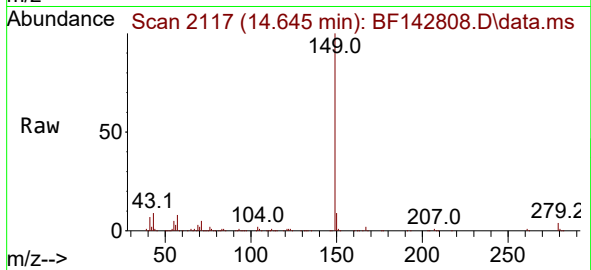




#85
Di-n-octyl phthalate
Concen: 40.043 ng
RT: 14.645 min Scan# 2117
Delta R.T. 0.000 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

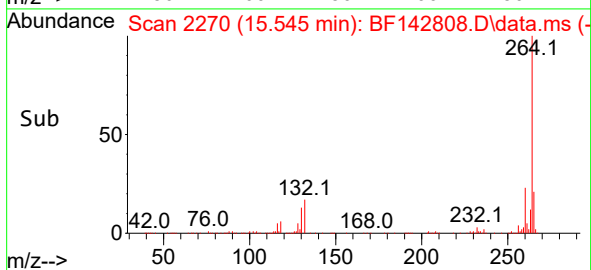
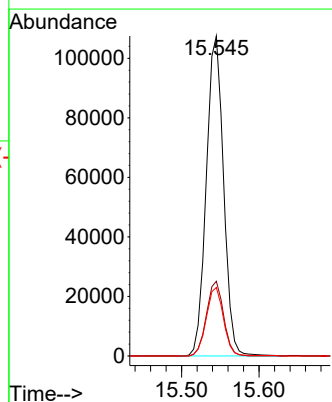
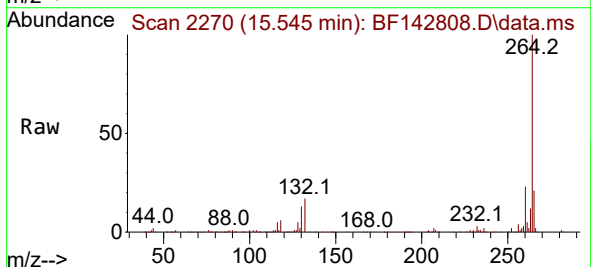
Instrument :
BNA_F
ClientSampleId :
MH-J-IMS

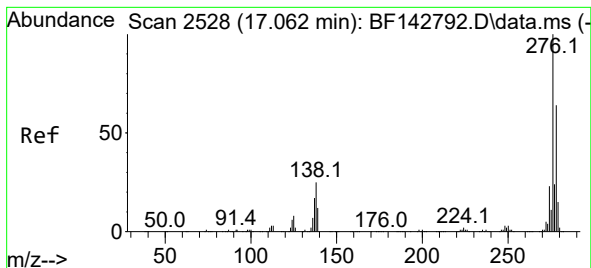
Tgt Ion:149 Resp: 410883
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 9.0 7.6 11.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

Tgt Ion:264 Resp: 166253
Ion Ratio Lower Upper
264 100
260 23.3 18.1 27.1
265 21.4 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 43.602 ng

RT: 17.057 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF142808.D

Acq: 23 Jun 2025 16:12

Instrument :

BNA_F

ClientSampleId :

MH-J-IMS

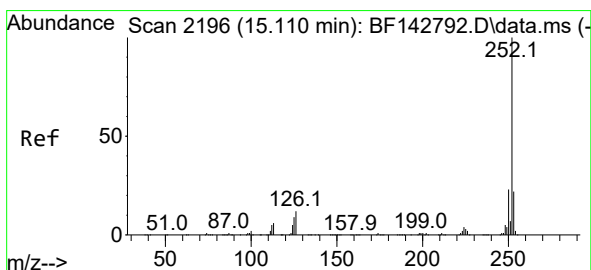
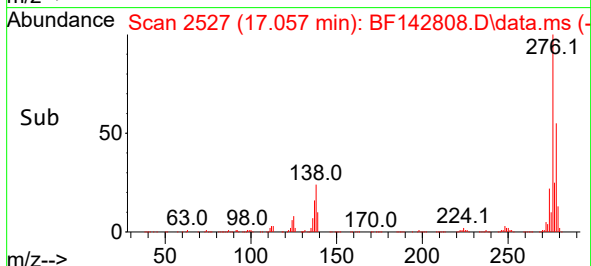
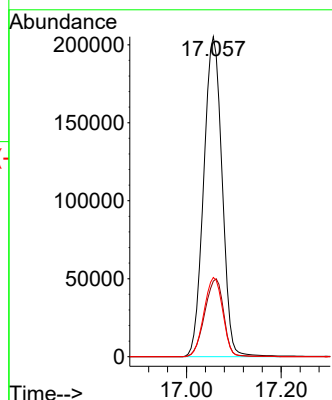
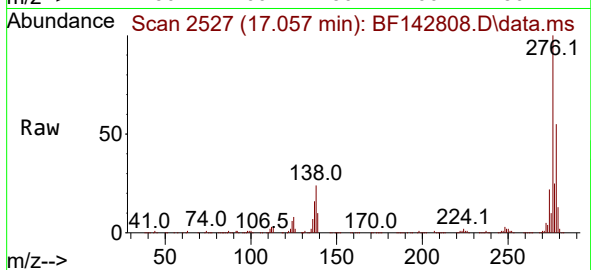
Tgt Ion:276 Resp: 552150

Ion Ratio Lower Upper

276 100

138 25.1 20.2 30.4

277 25.3 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 49.507 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF142808.D

Acq: 23 Jun 2025 16:12

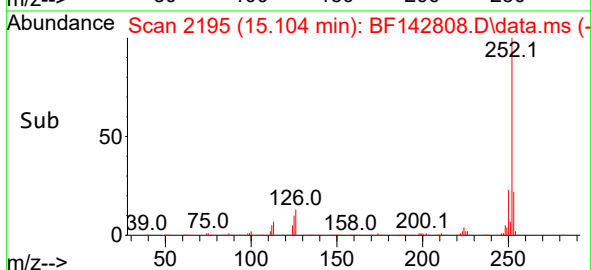
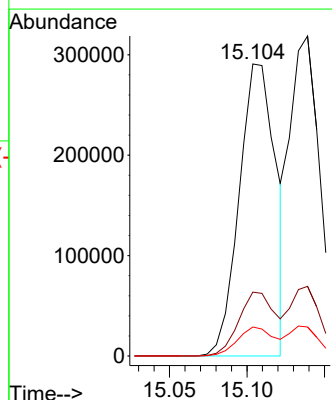
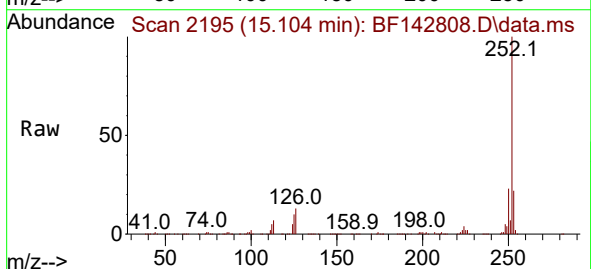
Tgt Ion:252 Resp: 476268

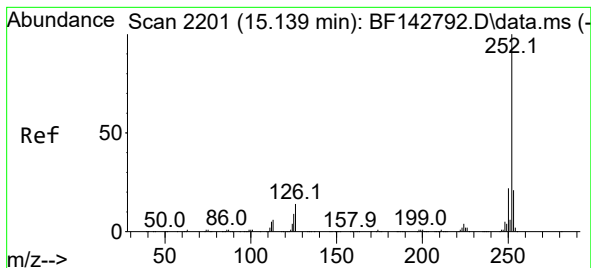
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 9.9 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 47.916 ng

RT: 15.139 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF142808.D

Acq: 23 Jun 2025 16:12

Instrument :

BNA_F

ClientSampleId :

MH-J-IMS

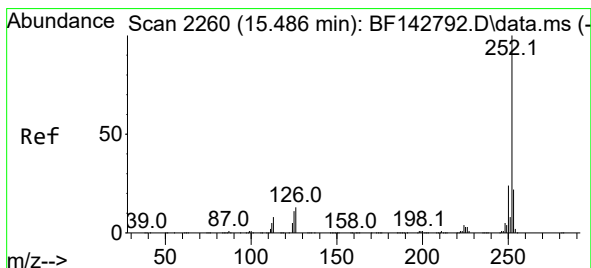
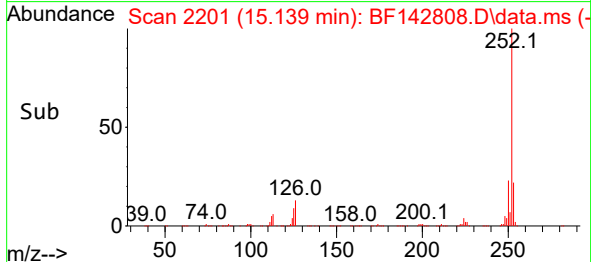
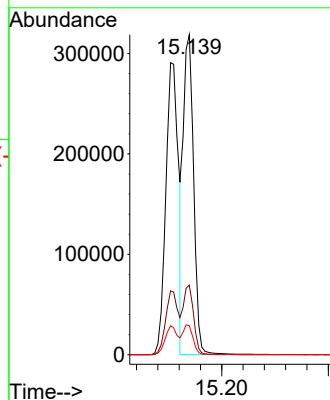
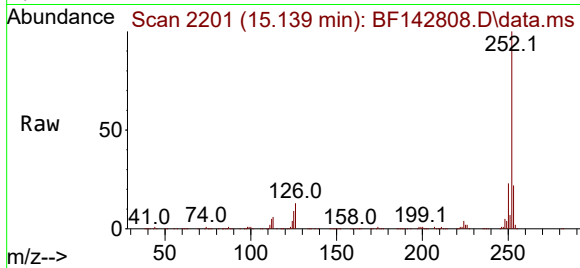
Tgt Ion:252 Resp: 431262

Ion Ratio Lower Upper

252 100

253 21.8 17.2 25.8

125 9.1 7.4 11.2



#90

Benzo(a)pyrene

Concen: 48.297 ng

RT: 15.480 min Scan# 2259

Delta R.T. -0.006 min

Lab File: BF142808.D

Acq: 23 Jun 2025 16:12

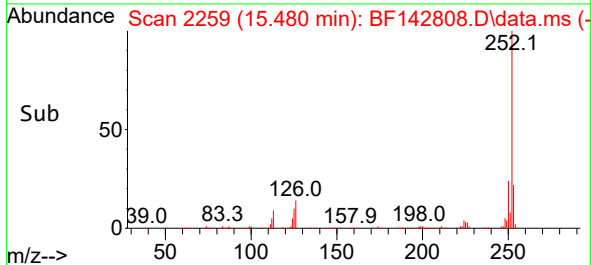
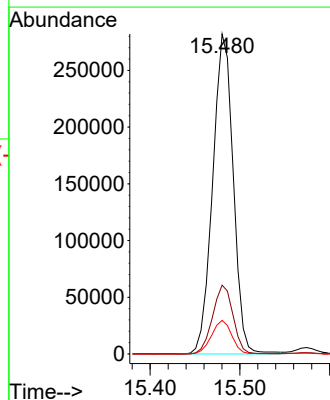
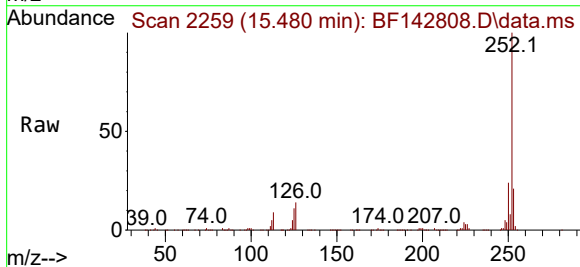
Tgt Ion:252 Resp: 448854

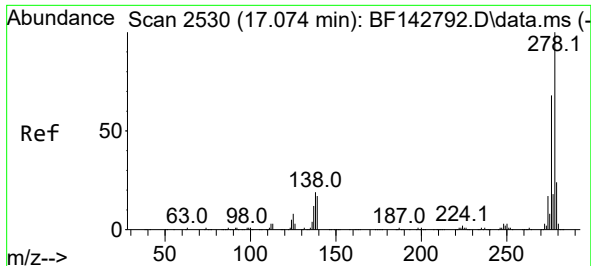
Ion Ratio Lower Upper

252 100

253 21.5 17.5 26.3

125 10.5 8.6 12.8

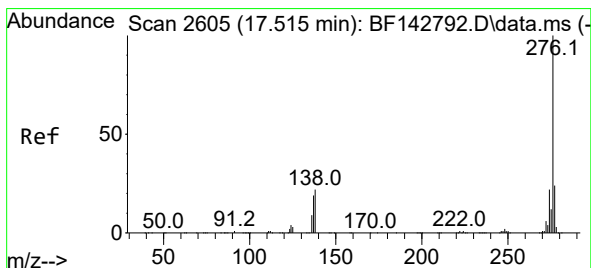
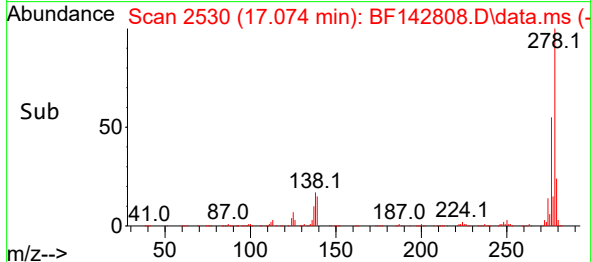
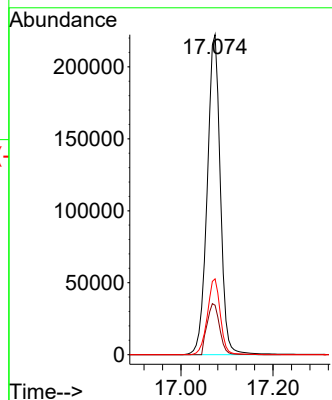
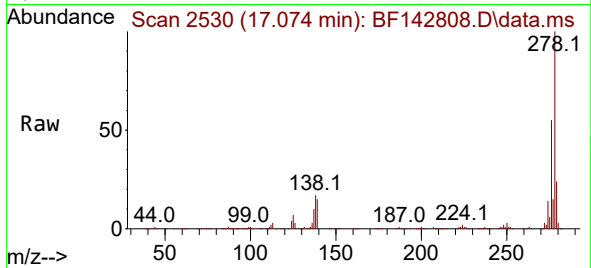




#91
Dibenzo(a,h)anthracene
Concen: 43.052 ng
RT: 17.074 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

Instrument :
BNA_F
ClientSampleId :
MH-J-IMS

Tgt Ion:278 Resp: 442974
Ion Ratio Lower Upper
278 100
139 15.4 13.5 20.3
279 23.7 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 42.883 ng
RT: 17.509 min Scan# 2604
Delta R.T. -0.006 min
Lab File: BF142808.D
Acq: 23 Jun 2025 16:12

Tgt Ion:276 Resp: 439978
Ion Ratio Lower Upper
276 100
277 23.8 18.8 28.2
138 22.6 17.6 26.4

