

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
 Data File : BF142936.D
 Acq On : 01 Jul 2025 01:45
 Operator : RC/JU
 Sample : Q2452-05MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP-2MSD

Quant Time: Jul 01 03:04:16 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	6.875	152	65109	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	238315	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	119297	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	179320	20.000	ng	0.00
76) Chrysene-d12	14.051	240	134305	20.000	ng	0.00
86) Perylene-d12	15.545	264	149468	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	327716	83.801	ng	0.00
7) Phenol-d6	6.504	99	383644	83.152	ng	0.00
23) Nitrobenzene-d5	7.439	82	233699	53.788	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	101486	82.667	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	499547	55.009	ng	-0.01
79) Terphenyl-d14	12.986	244	379727	39.066	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.687	88	58133	37.166	ng	100
3) Pyridine	3.451	79	154883	39.498	ng	97
4) n-Nitrosodimethylamine	3.404	42	85404	42.117	ng	98
6) Aniline	6.534	93	191623	31.214	ng	# 83
8) 2-Chlorophenol	6.657	128	181628	43.056	ng	98
9) Benzaldehyde	6.422	77	77198	28.203	ng	99
10) Phenol	6.522	94	212455	41.426	ng	91
11) bis(2-Chloroethyl)ether	6.610	93	161592	44.085	ng	96
12) 1,3-Dichlorobenzene	6.816	146	204039	43.248	ng	99
13) 1,4-Dichlorobenzene	6.892	146	205127	43.095	ng	99
14) 1,2-Dichlorobenzene	7.045	146	195897	43.390	ng	100
15) Benzyl Alcohol	7.016	79	145204	43.534	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.145	45	235471	39.984	ng	89
17) 2-Methylphenol	7.128	107	135504	42.387	ng	99
18) Hexachloroethane	7.386	117	76128	45.725	ng	98
19) n-Nitroso-di-n-propyla...	7.287	70	115699	43.117	ng	98
20) 3+4-Methylphenols	7.281	107	171226	42.958	ng	94
22) Acetophenone	7.281	105	238052	45.298	ng	98
24) Nitrobenzene	7.457	77	169389	43.075	ng	98
25) Isophorone	7.698	82	305639	43.852	ng	99
26) 2-Nitrophenol	7.775	139	97513	45.521	ng	99
27) 2,4-Dimethylphenol	7.810	122	158880	42.818	ng	98
28) bis(2-Chloroethoxy)met...	7.904	93	192337	43.407	ng	99
29) 2,4-Dichlorophenol	8.016	162	145918	43.370	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	162301	43.870	ng	99
31) Naphthalene	8.181	128	509108	43.644	ng	100
32) Benzoic acid	7.928	122	80114	42.360	ng	99
33) 4-Chloroaniline	8.228	127	77198	16.275	ng	99
34) Hexachlorobutadiene	8.292	225	100108	44.237	ng	99
35) Caprolactam	8.598	113	42712	48.109	ng	98
36) 4-Chloro-3-methylphenol	8.716	107	145593	43.542	ng	99
37) 2-Methylnaphthalene	8.869	142	310635	42.953	ng	100
38) 1-Methylnaphthalene	8.969	142	321316	42.920	ng	99
40) 1,2,4,5-Tetrachloroben...	9.039	216	158443	45.011	ng	99
41) Hexachlorocyclopentadiene	9.022	237	143421	71.798	ng	100
43) 2,4,6-Trichlorophenol	9.151	196	101579	44.285	ng	99

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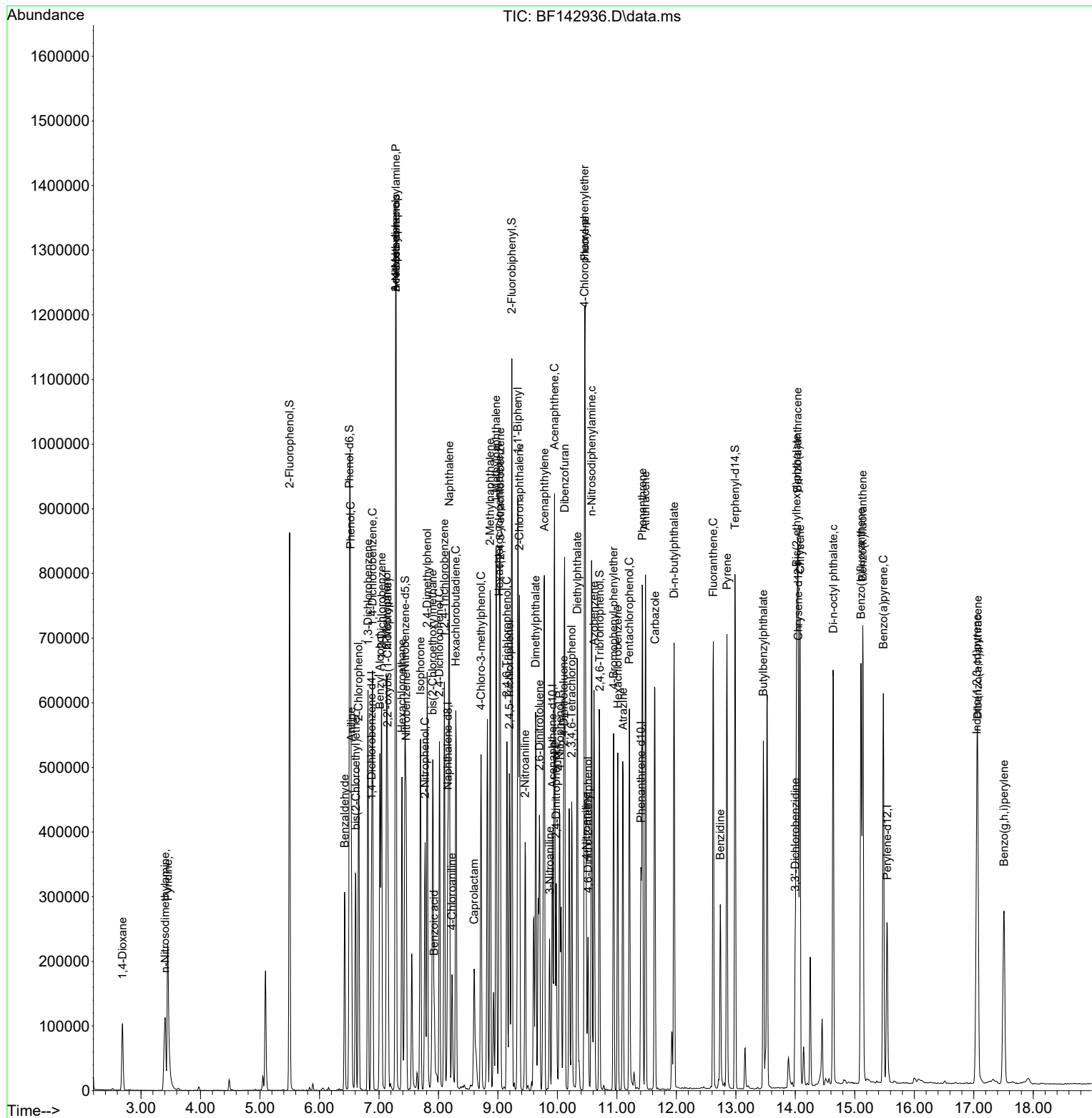
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	105305	43.612	ng	98
46) 1,1'-Biphenyl	9.333	154	423840	44.975	ng	100
47) 2-Chloronaphthalene	9.363	162	312711	44.219	ng	100
48) 2-Nitroaniline	9.457	65	87115	43.939	ng	97
49) Acenaphthylene	9.780	152	509949	43.803	ng	99
50) Dimethylphthalate	9.633	163	365257	47.300	ng	100
51) 2,6-Dinitrotoluene	9.698	165	78915	46.534	ng	100
52) Acenaphthene	9.951	154	324495m	45.684	ng	
53) 3-Nitroaniline	9.869	138	51275	27.462	ng	100
54) 2,4-Dinitrophenol	9.980	184	62826	73.987	ng	97
55) Dibenzofuran	10.122	168	433984	42.608	ng	100
56) 4-Nitrophenol	10.039	139	105102	82.223	ng	97
57) 2,4-Dinitrotoluene	10.104	165	102650	45.570	ng	98
58) Fluorene	10.463	166	340919	42.858	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	81707	41.981	ng	95
60) Diethylphthalate	10.333	149	360712	47.641	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	164811	43.419	ng	99
62) 4-Nitroaniline	10.486	138	69304	40.585	ng	98
63) Azobenzene	10.616	77	300117	44.350	ng	97
65) 4,6-Dinitro-2-methylph...	10.516	198	45437	41.891	ng	96
66) n-Nitrosodiphenylamine	10.575	169	293179	47.174	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	97349	47.701	ng	96
68) Hexachlorobenzene	11.016	284	100981	44.530	ng	98
69) Atrazine	11.104	200	88977	55.442	ng	99
70) Pentachlorophenol	11.210	266	100681	89.098	ng	99
71) Phenanthrene	11.427	178	427926	44.054	ng	99
72) Anthracene	11.480	178	438083	43.974	ng	100
73) Carbazole	11.639	167	378390	44.014	ng	100
74) Di-n-butylphthalate	11.963	149	498081	55.614	ng	99
75) Fluoranthene	12.621	202	409815	44.454	ng	99
77) Benzidine	12.739	184	158722	31.455	ng	99
78) Pyrene	12.851	202	417649	33.176	ng	100
80) Butylbenzylphthalate	13.463	149	183566	50.268	ng	96
81) Benzo(a)anthracene	14.039	228	395510	43.653	ng	99
82) 3,3'-Dichlorobenzidine	13.998	252	66374	22.586	ng	100
83) Chrysene	14.080	228	379673	46.962	ng	100
84) Bis(2-ethylhexyl)phtha...	14.021	149	261127	49.700	ng	100
85) Di-n-octyl phthalate	14.639	149	462756	46.709	ng	99
87) Indeno(1,2,3-cd)pyrene	17.051	276	337354	29.632	ng	98
88) Benzo(b)fluoranthene	15.104	252	446984	51.681	ng	99
89) Benzo(k)fluoranthene	15.133	252	374269	46.254	ng	99
90) Benzo(a)pyrene	15.480	252	383478	45.896	ng	99
91) Dibenzo(a,h)anthracene	17.068	278	281717	30.455	ng	98
92) Benzo(g,h,i)perylene	17.509	276	253525	27.485	ng	98

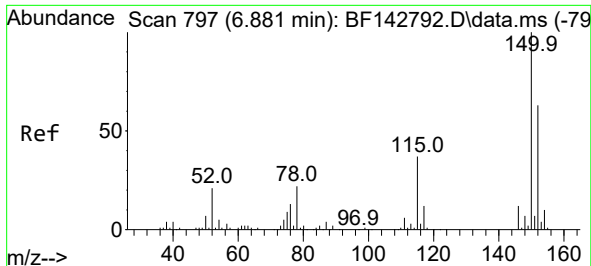
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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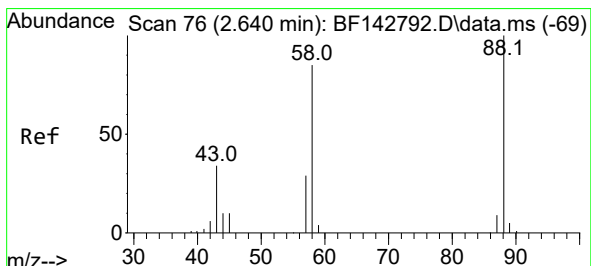
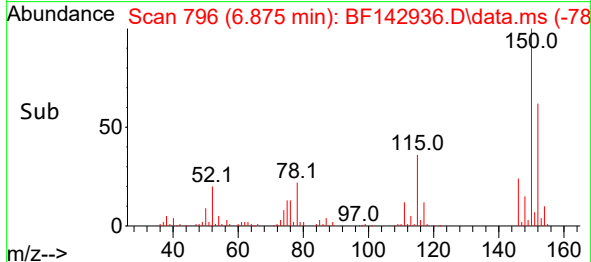
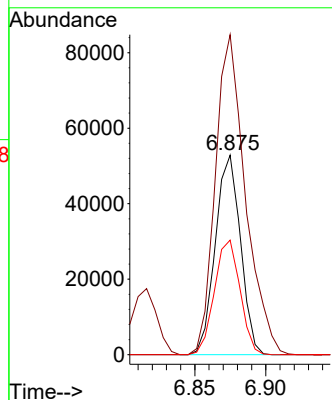
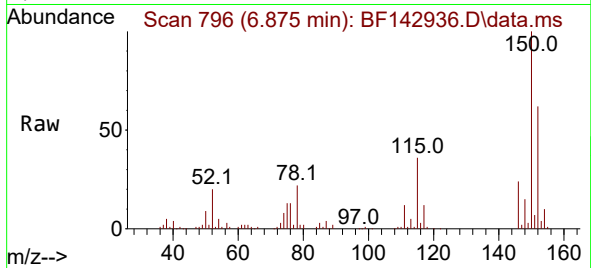




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 79
 Delta R.T. -0.006 min
 Lab File: BF142936.D
 Acq: 01 Jul 2025 01:45

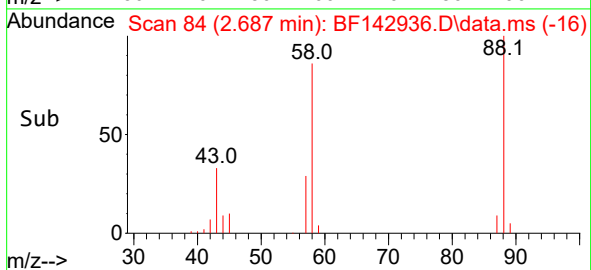
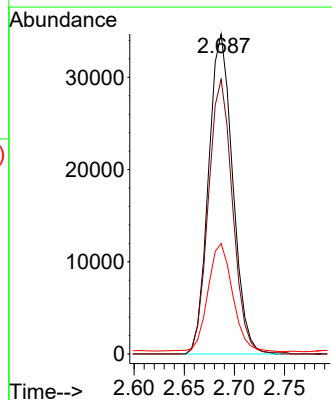
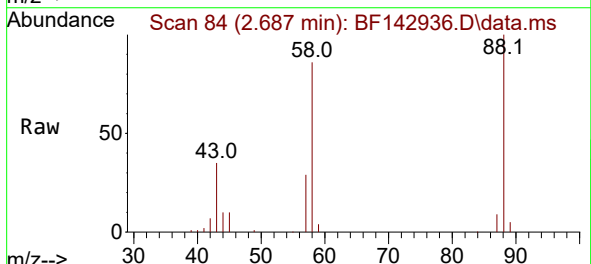
Instrument :
 BNA_F
 ClientSampleId :
 EP-2MSD

Tgt Ion:152 Resp: 65109
 Ion Ratio Lower Upper
 152 100
 150 160.4 127.2 190.8
 115 57.4 46.6 69.8



#2
 1,4-Dioxane
 Concen: 37.166 ng
 RT: 2.687 min Scan# 84
 Delta R.T. 0.047 min
 Lab File: BF142936.D
 Acq: 01 Jul 2025 01:45

Tgt Ion: 88 Resp: 58133
 Ion Ratio Lower Upper
 88 100
 58 86.1 69.1 103.7
 43 34.5 27.4 41.2

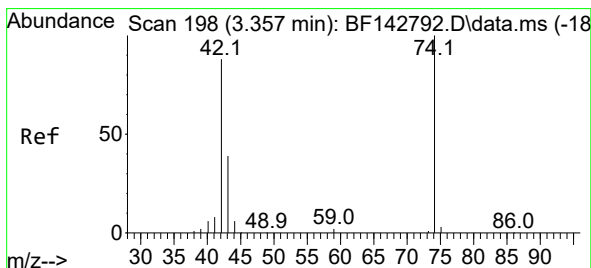
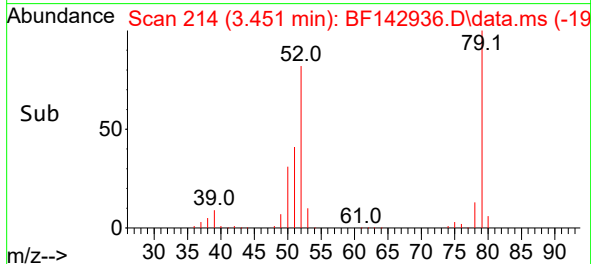
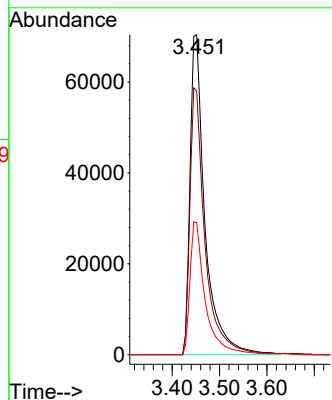
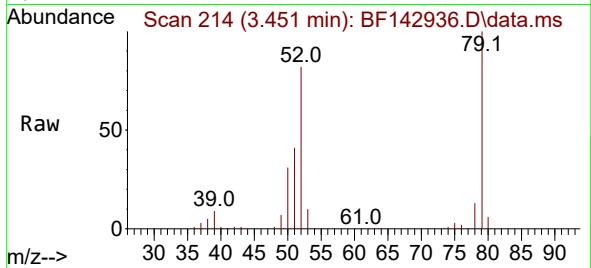




#3
Pyridine
Concen: 39.498 ng
RT: 3.451 min Scan# 21
Delta R.T. 0.041 min
Lab File: BF142936.D
Acq: 01 Jul 2025 01:45

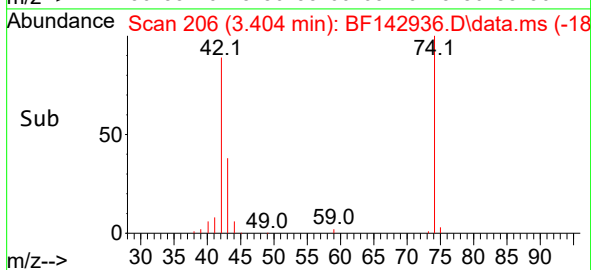
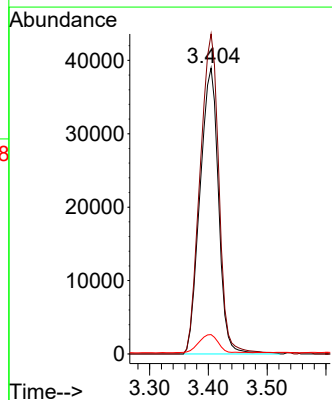
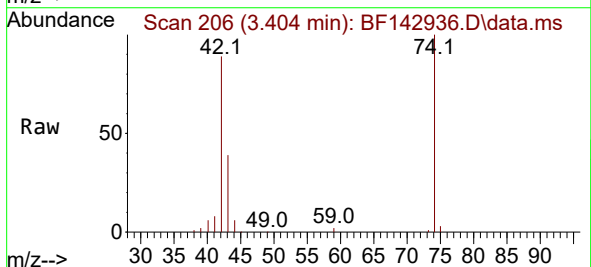
Instrument :
BNA_F
ClientSampleId :
EP-2MSD

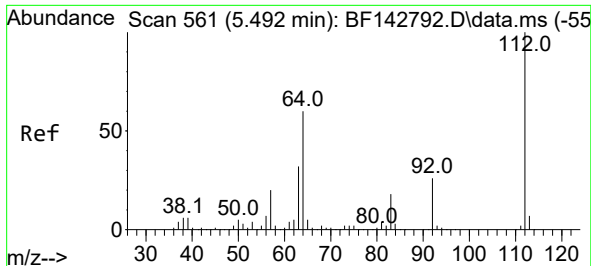
Tgt Ion: 79 Resp: 154883
Ion Ratio Lower Upper
79 100
52 82.3 69.2 103.8
51 41.3 33.2 49.8



#4
n-Nitrosodimethylamine
Concen: 42.117 ng
RT: 3.404 min Scan# 206
Delta R.T. 0.047 min
Lab File: BF142936.D
Acq: 01 Jul 2025 01:45

Tgt Ion: 42 Resp: 85404
Ion Ratio Lower Upper
42 100
74 111.9 90.9 136.3
44 6.7 5.8 8.6

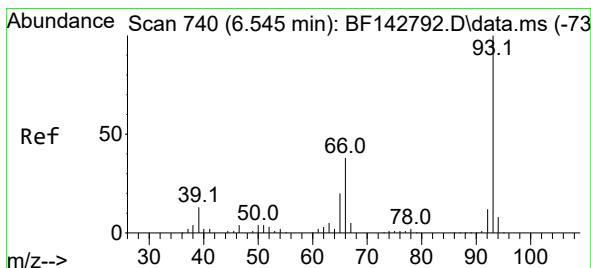
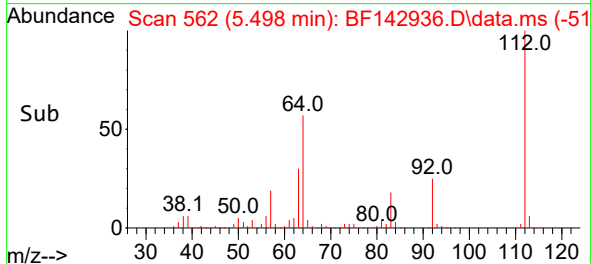
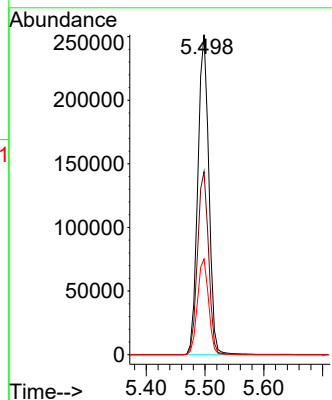
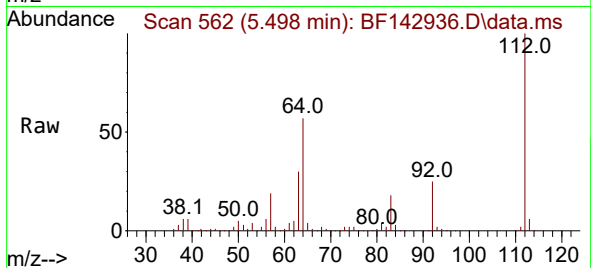




#5
2-Fluorophenol
Concen: 83.801 ng
RT: 5.498 min Scan# 501
Delta R.T. 0.006 min
Lab File: BF142936.D
Acq: 01 Jul 2025 01:45

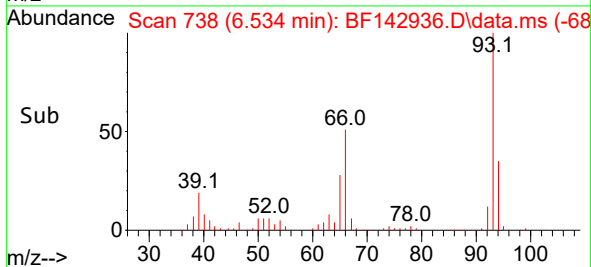
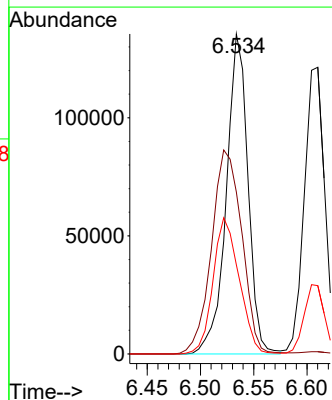
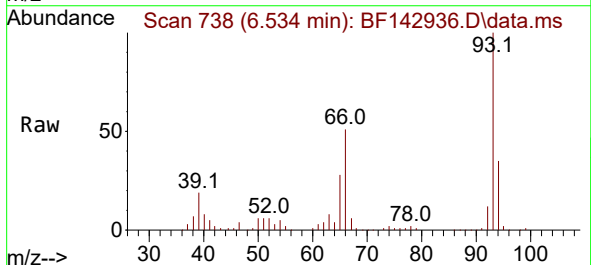
Instrument :
BNA_F
ClientSampleId :
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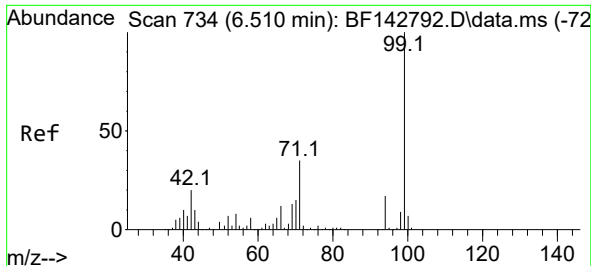
Tgt Ion:112 Resp: 327716
Ion Ratio Lower Upper
112 100
64 57.2 48.2 72.2
63 29.9 25.7 38.5



#6
Aniline
Concen: 31.214 ng
RT: 6.534 min Scan# 738
Delta R.T. -0.012 min
Lab File: BF142936.D
Acq: 01 Jul 2025 01:45

Tgt Ion: 93 Resp: 191623
Ion Ratio Lower Upper
93 100
66 50.6 31.8 47.6#
65 27.9 16.2 24.2#





#7

Phenol-d6

Concen: 83.152 ng

RT: 6.504 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF142936.D

Acq: 01 Jul 2025 01:45

Instrument :

BNA_F

ClientSampleId :

EP-2MSD

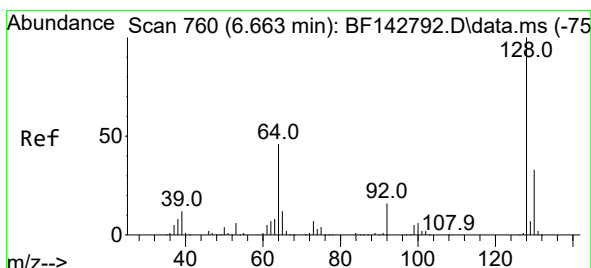
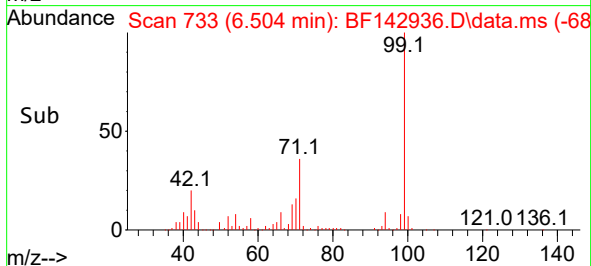
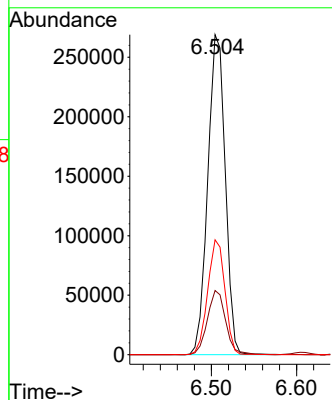
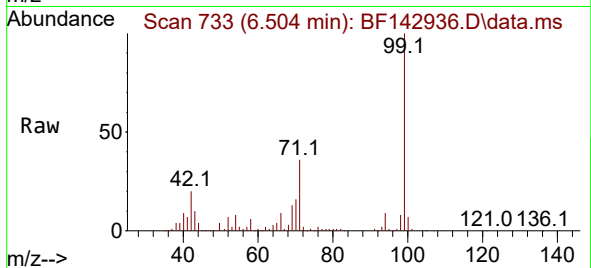
Tgt Ion: 99 Resp: 383644

Ion Ratio Lower Upper

99 100

42 20.1 15.9 23.9

71 35.9 27.8 41.8



#8

2-Chlorophenol

Concen: 43.056 ng

RT: 6.657 min Scan# 759

Delta R.T. -0.006 min

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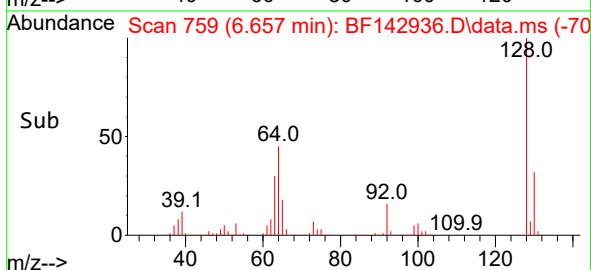
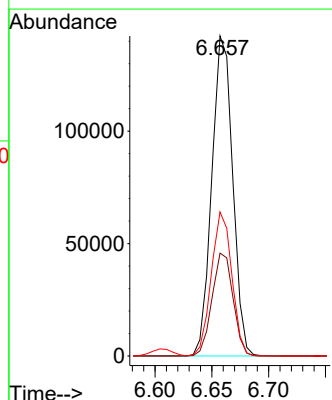
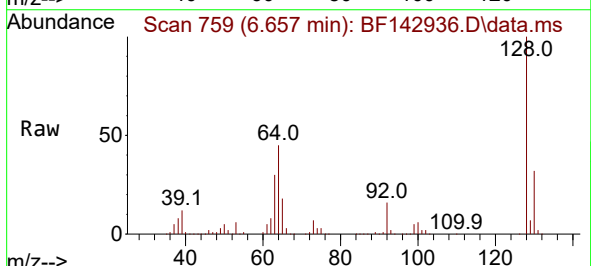
Tgt Ion:128 Resp: 181628

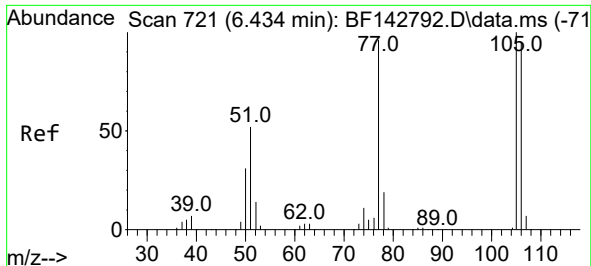
Ion Ratio Lower Upper

128 100

130 32.2 12.7 52.7

64 45.0 26.5 66.5

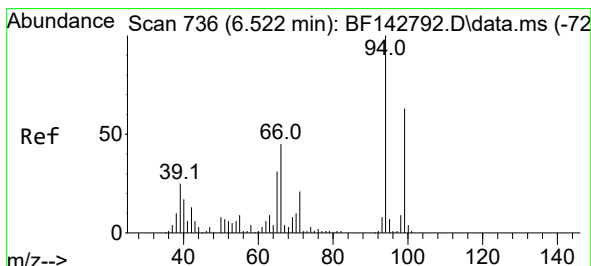
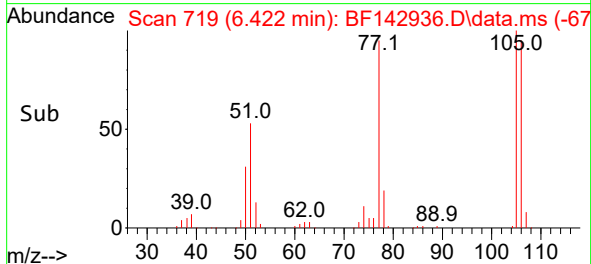
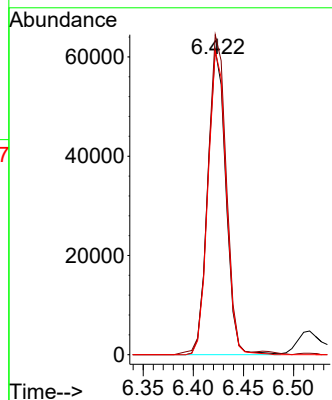
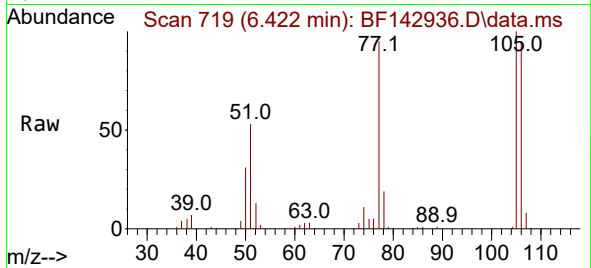




#9
Benzaldehyde
Concen: 28.203 ng
RT: 6.422 min Scan# 719
Delta R.T. -0.012 min
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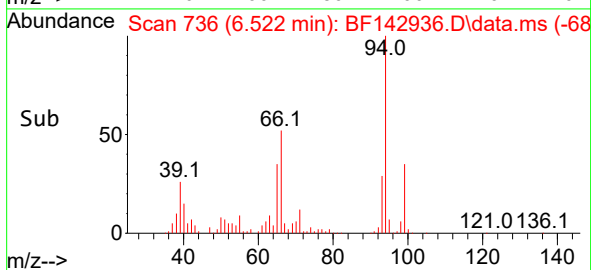
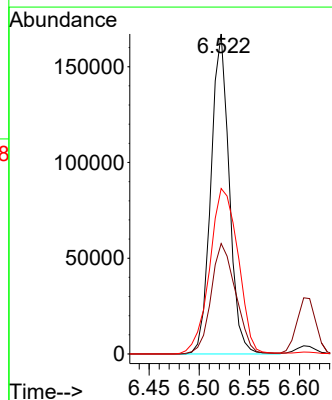
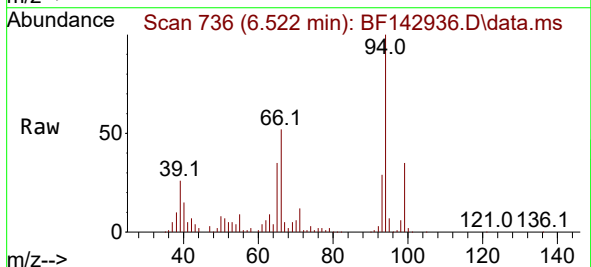
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Tgt Ion: 77 Resp: 77198
Ion Ratio Lower Upper
77 100
105 105.0 83.8 123.8
106 99.7 78.7 118.7



#10
Phenol
Concen: 41.426 ng
RT: 6.522 min Scan# 736
Delta R.T. 0.000 min
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Tgt Ion: 94 Resp: 212455
Ion Ratio Lower Upper
94 100
65 34.5 11.3 51.3
66 51.7 24.9 64.9

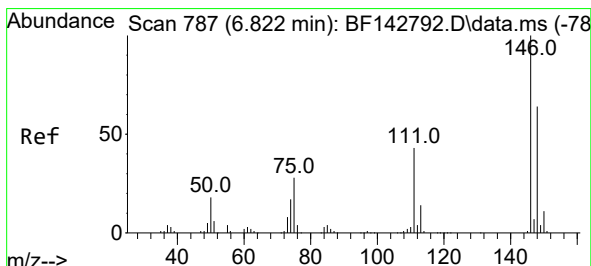
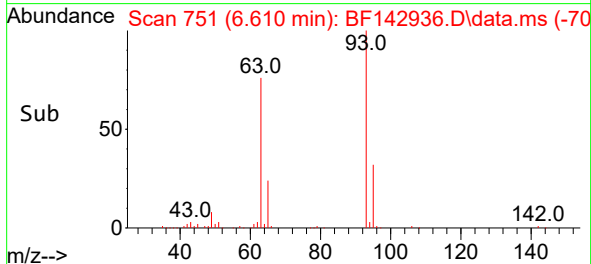
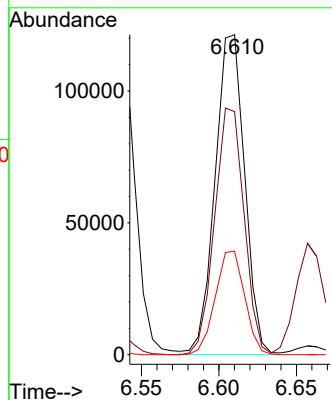
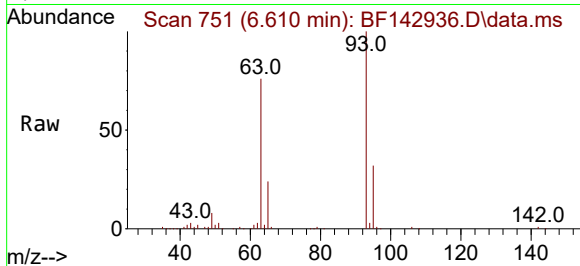




#11
bis(2-Chloroethyl)ether
Concen: 44.085 ng
RT: 6.610 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF142936.D
Acq: 01 Jul 2025 01:45

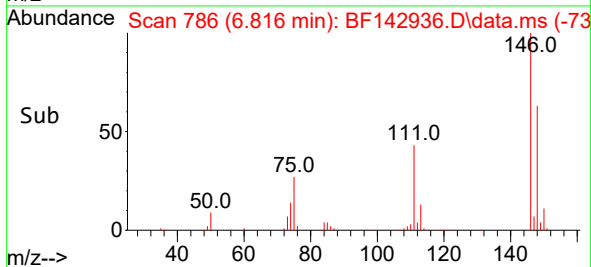
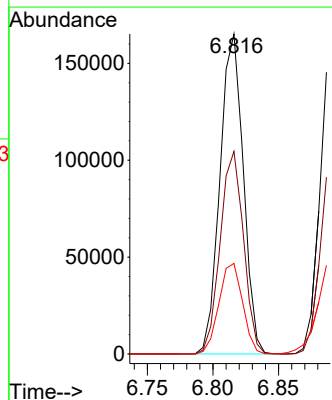
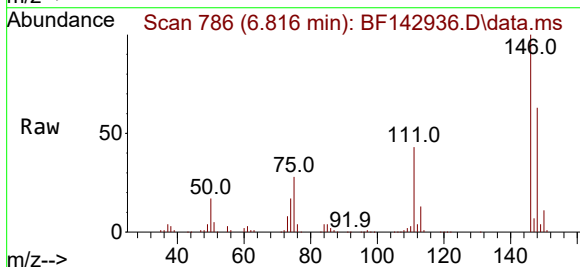
Instrument :
BNA_F
ClientSampleId :
EP-2MSD

Tgt Ion: 93 Resp: 161592
Ion Ratio Lower Upper
93 100
63 75.9 60.3 100.3
95 32.3 12.5 52.5



#12
1,3-Dichlorobenzene
Concen: 43.248 ng
RT: 6.816 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF142936.D
Acq: 01 Jul 2025 01:45

Tgt Ion:146 Resp: 204039
Ion Ratio Lower Upper
146 100
148 63.3 51.1 76.7
75 28.3 22.7 34.1





#13

1,4-Dichlorobenzene

Concen: 43.095 ng

RT: 6.892 min Scan# 79

Delta R.T. -0.006 min

Lab File: BF142936.D

Acq: 01 Jul 2025 01:45

Instrument :

BNA_F

ClientSampleId :

EP-2MSD

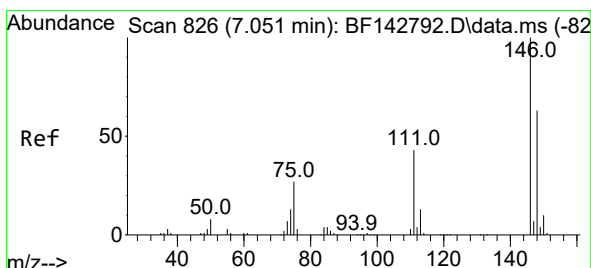
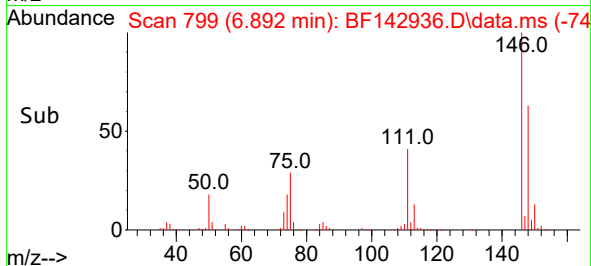
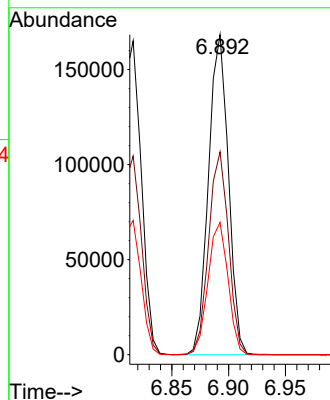
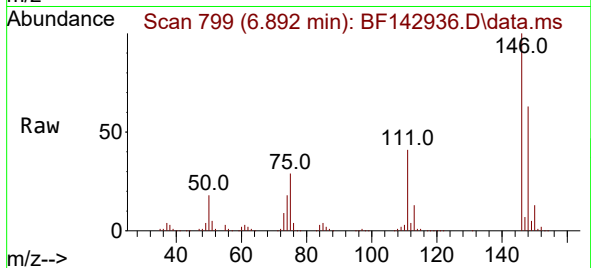
Tgt Ion:146 Resp: 205127

Ion Ratio Lower Upper

146 100

148 63.4 50.2 75.2

111 41.3 33.2 49.8



#14

1,2-Dichlorobenzene

Concen: 43.390 ng

RT: 7.045 min Scan# 825

Delta R.T. -0.006 min

Lab File: BF142936.D

Acq: 01 Jul 2025 01:45

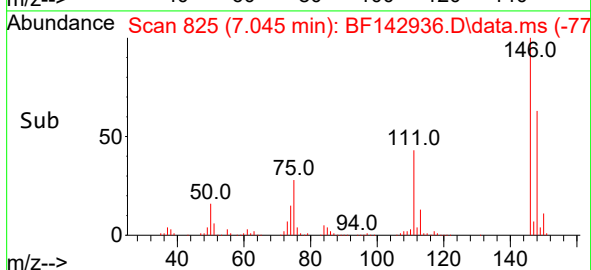
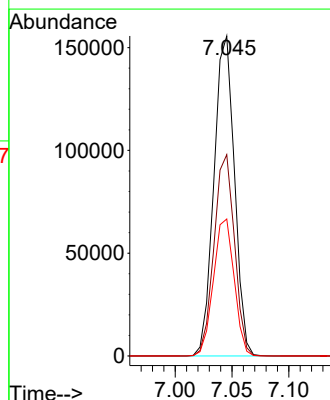
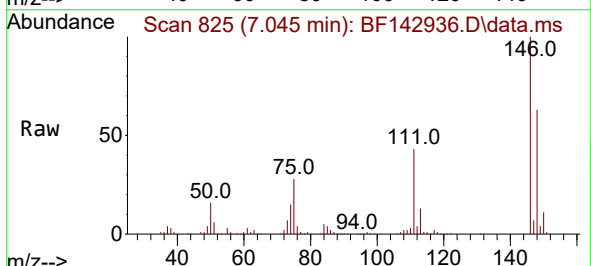
Tgt Ion:146 Resp: 195897

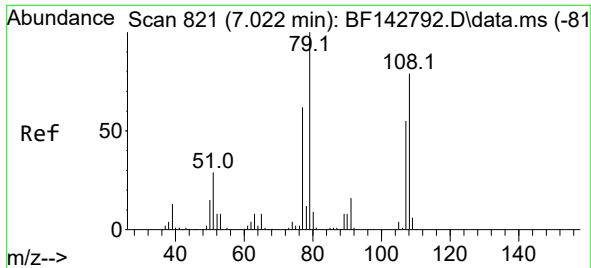
Ion Ratio Lower Upper

146 100

148 62.9 50.4 75.6

111 42.8 34.1 51.1

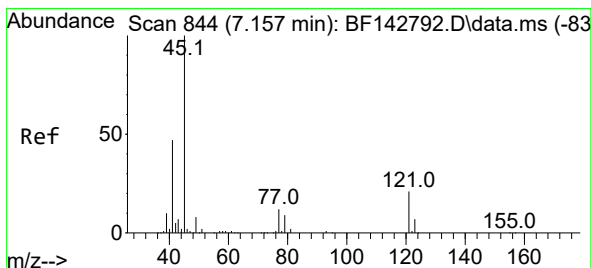
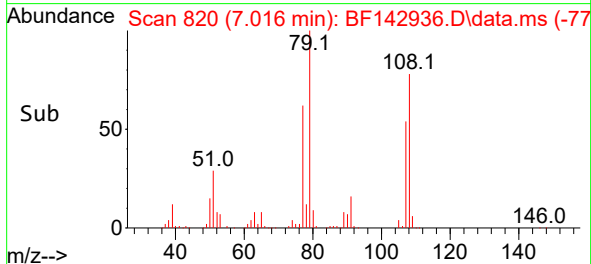
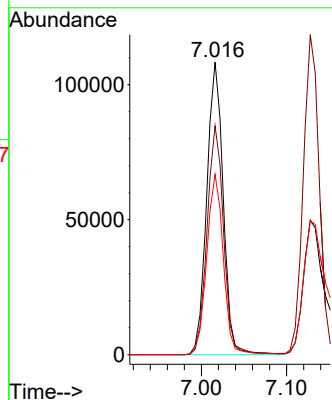
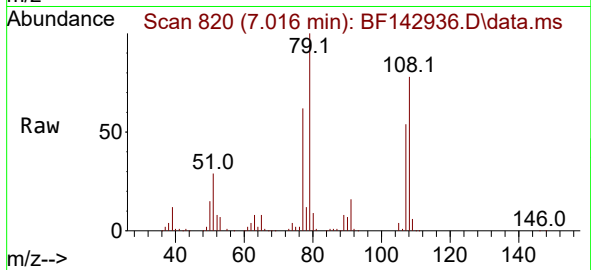




#15
Benzyl Alcohol
Concen: 43.534 ng
RT: 7.016 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF142936.D
Acq: 01 Jul 2025 01:45

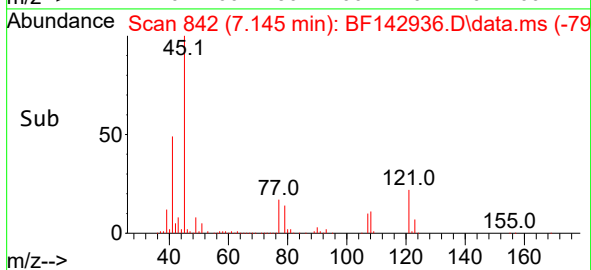
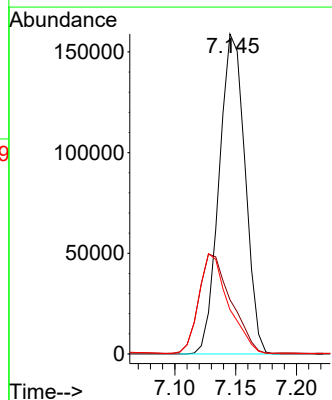
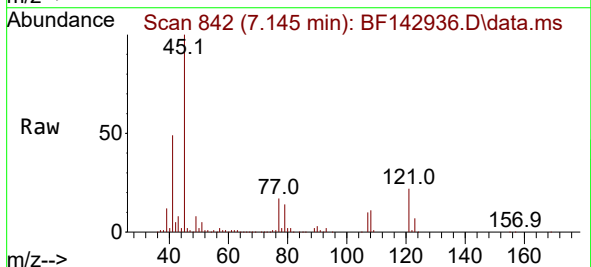
Instrument :
BNA_F
ClientSampleId :
EP-2MSD

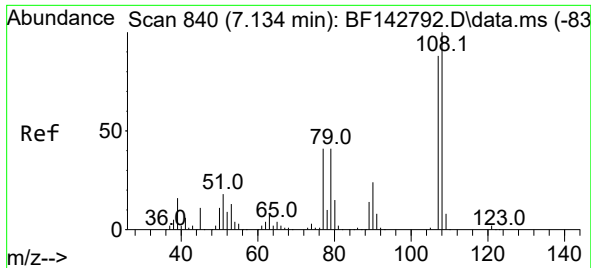
Tgt Ion: 79 Resp: 145204
Ion Ratio Lower Upper
79 100
108 78.2 63.4 95.0
77 61.7 49.5 74.3



#16
2,2'-oxybis(1-chloropropane)
Concen: 39.984 ng
RT: 7.145 min Scan# 842
Delta R.T. -0.012 min
Lab File: BF142936.D
Acq: 01 Jul 2025 01:45

Tgt Ion: 45 Resp: 235471
Ion Ratio Lower Upper
45 100
77 17.0 0.0 32.8
79 13.8 0.0 29.8



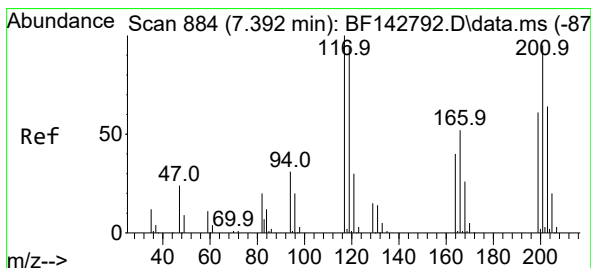
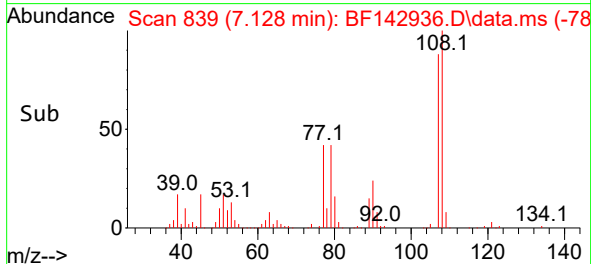
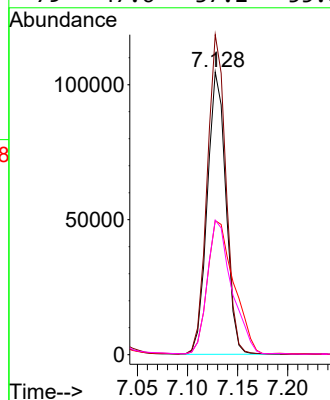
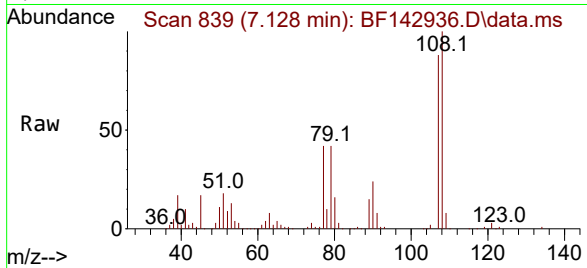


#17
2-Methylphenol
Concen: 42.387 ng
RT: 7.128 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF142936.D
Acq: 01 Jul 2025 01:45

Instrument :
BNA_F
ClientSampleId :
EP-2MSD

Tgt Ion:107 Resp: 135504

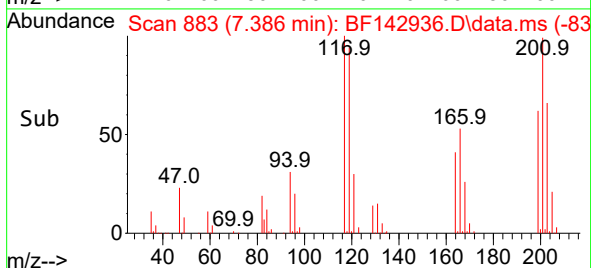
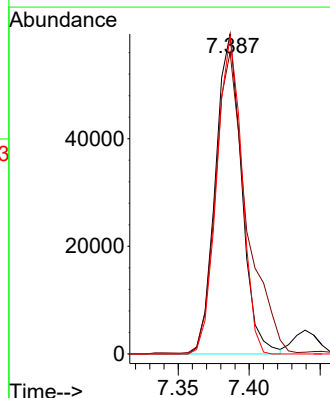
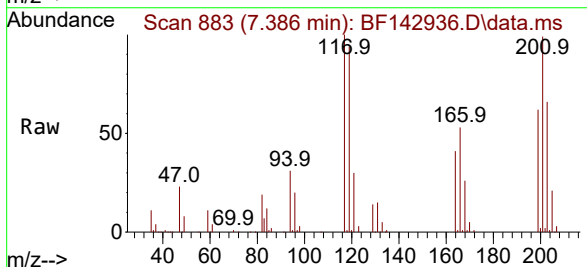
Ion	Ratio	Lower	Upper
107	100		
108	113.2	90.9	136.3
77	47.4	37.3	55.9
79	47.6	37.2	55.8

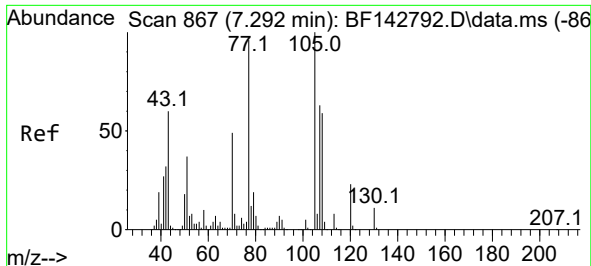


#18
Hexachloroethane
Concen: 45.725 ng
RT: 7.386 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF142936.D
Acq: 01 Jul 2025 01:45

Tgt Ion:117 Resp: 76128

Ion	Ratio	Lower	Upper
117	100		
119	94.3	75.4	113.0
201	99.4	75.9	113.9

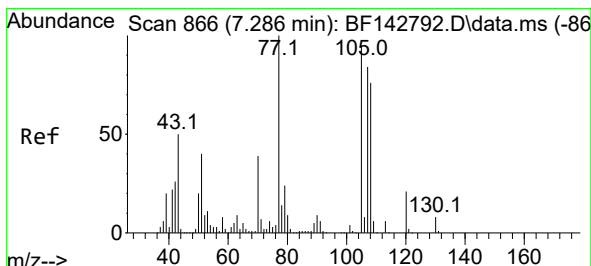
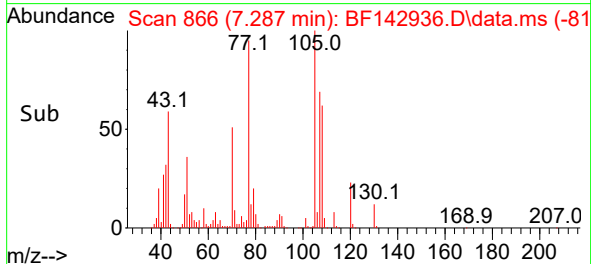
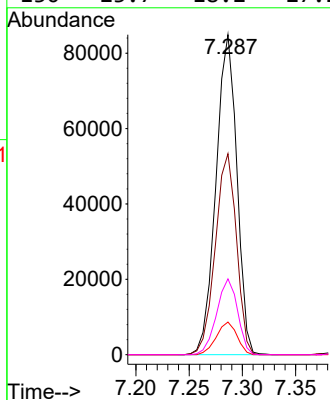
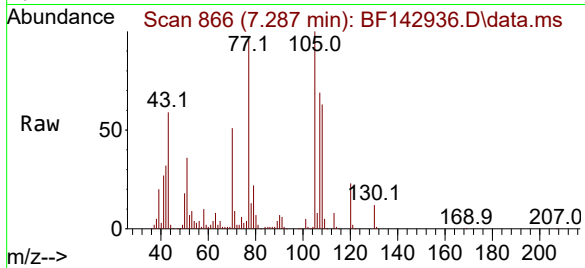




#19
n-Nitroso-di-n-propylamine
Concen: 43.117 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.006 min
Lab File: BF142936.D
Acq: 01 Jul 2025 01:45

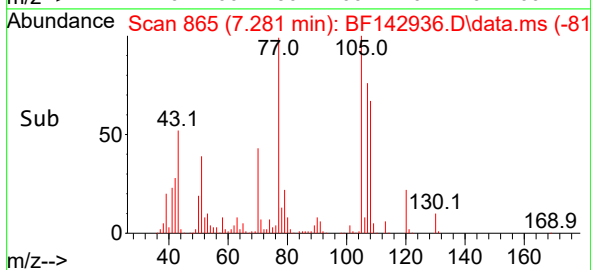
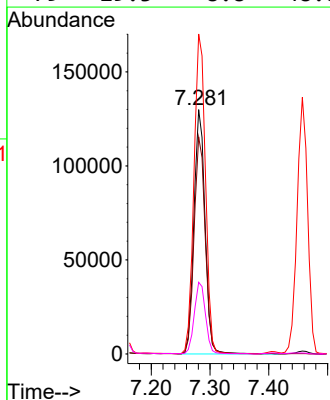
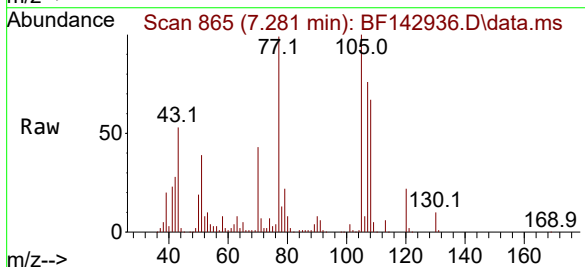
Instrument :
BNA_F
ClientSampleId :
EP-2MSD

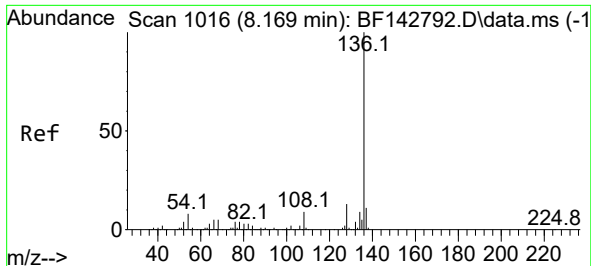
Tgt Ion: 70 Resp: 115699
Ion Ratio Lower Upper
70 100
42 62.8 52.1 78.1
101 10.2 8.2 12.2
130 23.7 18.2 27.2



#20
3+4-Methylphenols
Concen: 42.958 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.006 min
Lab File: BF142936.D
Acq: 01 Jul 2025 01:45

Tgt Ion:107 Resp: 171226
Ion Ratio Lower Upper
107 100
108 88.8 70.0 110.0
77 130.9 98.5 138.5
79 29.3 8.8 48.8

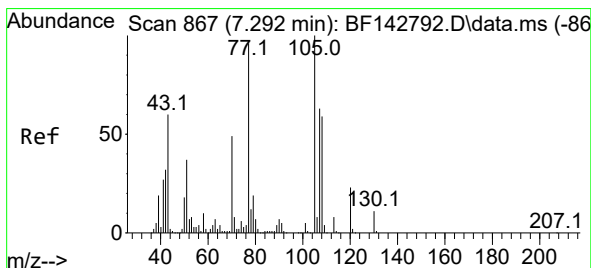
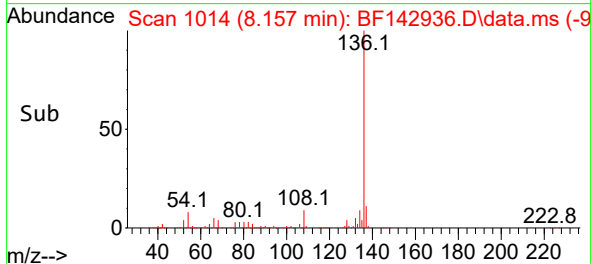
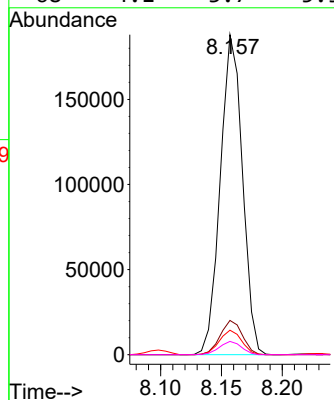
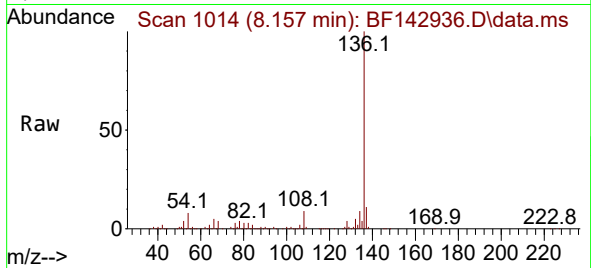




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142936.D
Acq: 01 Jul 2025 01:45

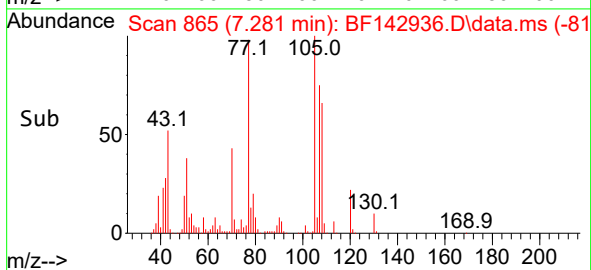
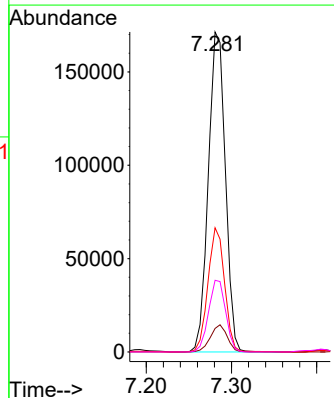
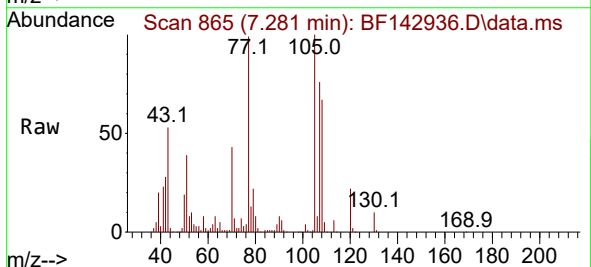
Instrument :
BNA_F
ClientSampleId :
EP-2MSD

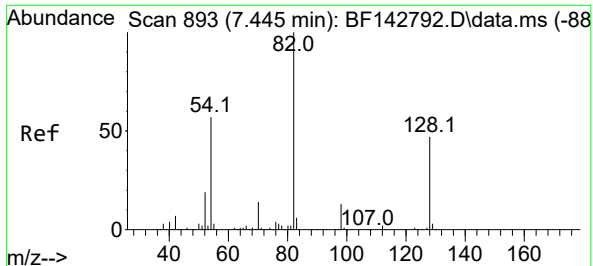
Tgt Ion:136 Resp: 238315
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 7.7 6.3 9.5
68 4.1 3.7 5.5



#22
Acetophenone
Concen: 45.298 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.012 min
Lab File: BF142936.D
Acq: 01 Jul 2025 01:45

Tgt Ion:105 Resp: 238052
Ion Ratio Lower Upper
105 100
71 7.4 6.5 9.7
51 38.8 29.8 44.8
120 22.4 18.2 27.2





#23

Nitrobenzene-d5

Concen: 53.788 ng

RT: 7.439 min Scan# 891

Delta R.T. -0.006 min

Lab File: BF142936.D

Acq: 01 Jul 2025 01:45

Instrument :

BNA_F

ClientSampleId :

EP-2MSD

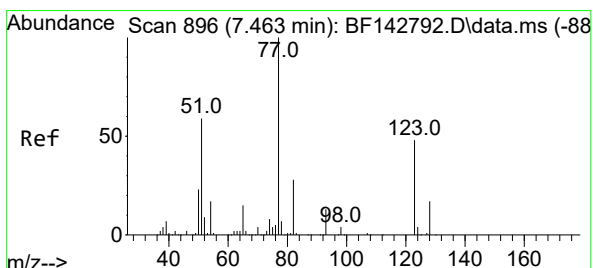
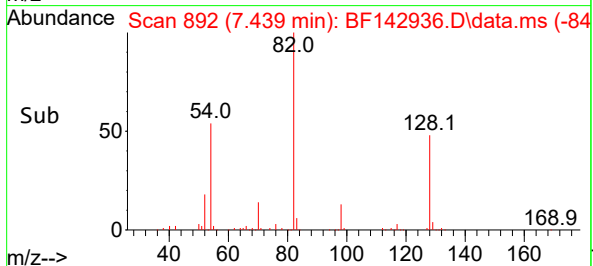
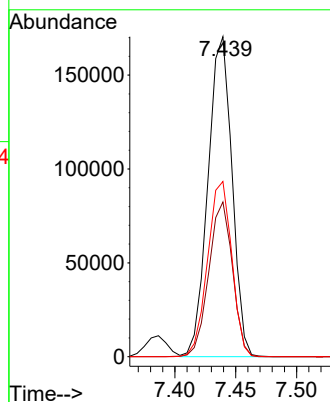
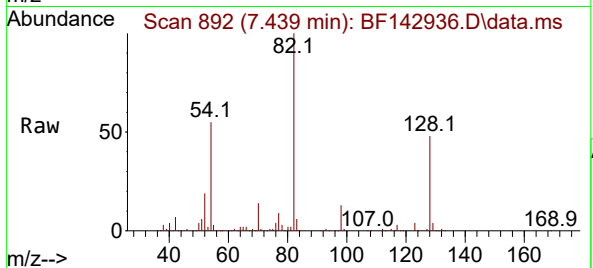
Tgt Ion: 82 Resp: 233699

Ion Ratio Lower Upper

82 100

128 48.4 37.7 56.5

54 54.8 45.7 68.5



#24

Nitrobenzene

Concen: 43.075 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF142936.D

Acq: 01 Jul 2025 01:45

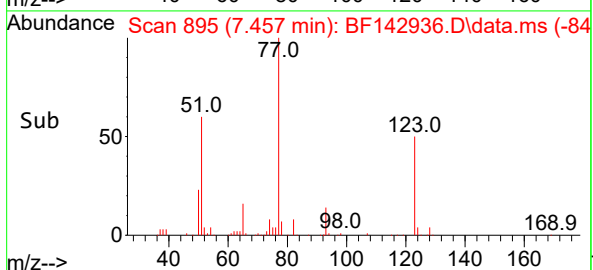
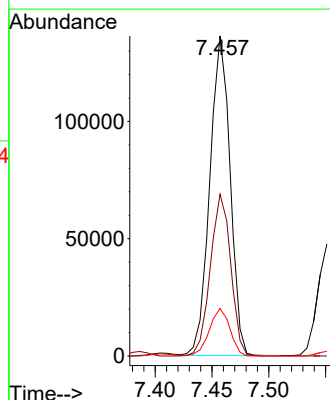
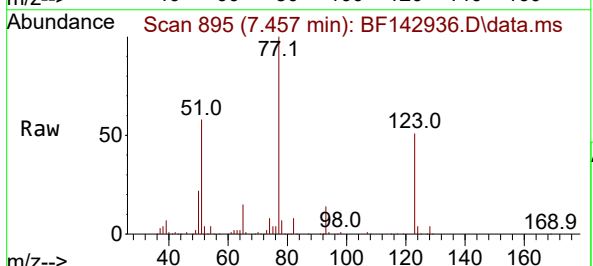
Tgt Ion: 77 Resp: 169389

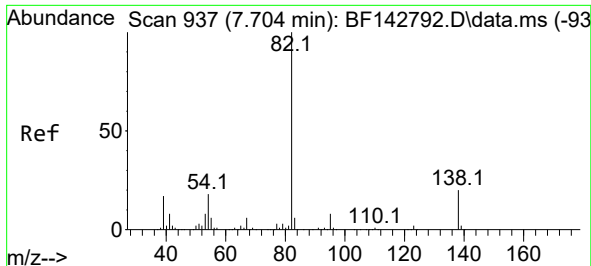
Ion Ratio Lower Upper

77 100

123 50.6 39.2 58.8

65 14.9 11.6 17.4

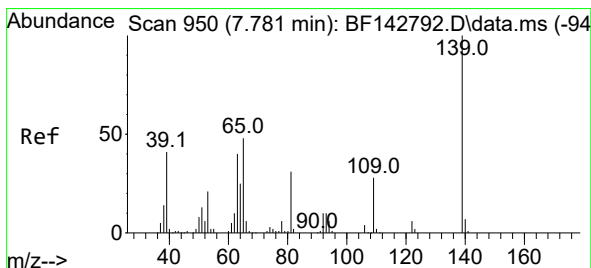
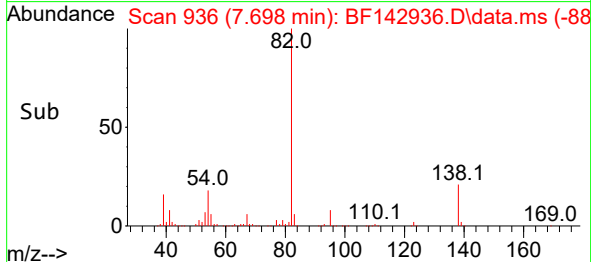
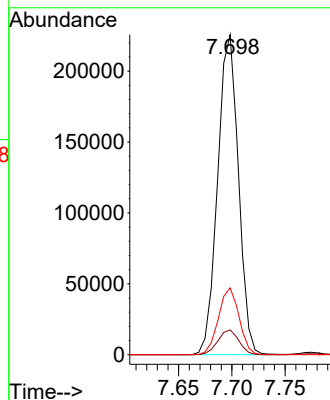
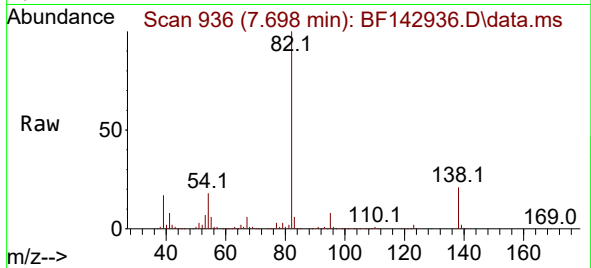




#25
Isophorone
Concen: 43.852 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF142936.D
Acq: 01 Jul 2025 01:45

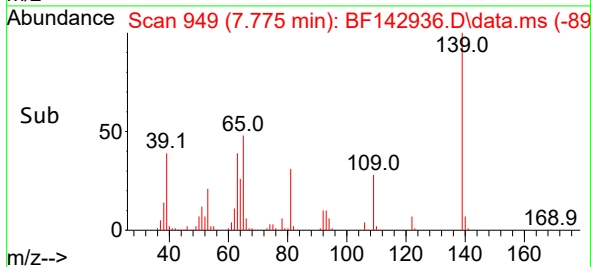
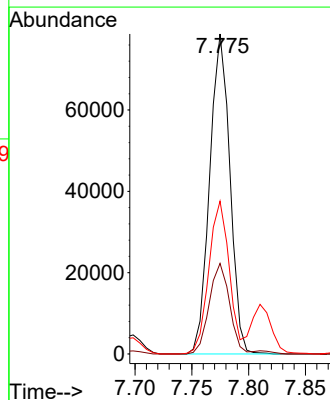
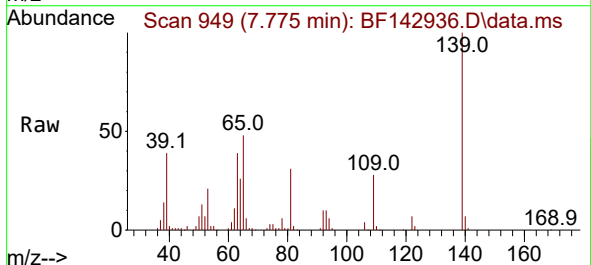
Instrument :
BNA_F
ClientSampleId :
EP-2MSD

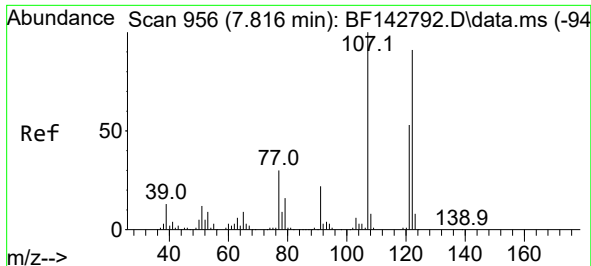
Tgt Ion: 82 Resp: 305639
Ion Ratio Lower Upper
82 100
95 7.7 6.2 9.2
138 20.9 16.2 24.4



#26
2-Nitrophenol
Concen: 45.521 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.006 min
Lab File: BF142936.D
Acq: 01 Jul 2025 01:45

Tgt Ion:139 Resp: 97513
Ion Ratio Lower Upper
139 100
109 28.3 22.7 34.1
65 47.7 38.6 58.0





#27

2,4-Dimethylphenol

Concen: 42.818 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF142936.D

Acq: 01 Jul 2025 01:45

Instrument :

BNA_F

ClientSampleId :

EP-2MSD

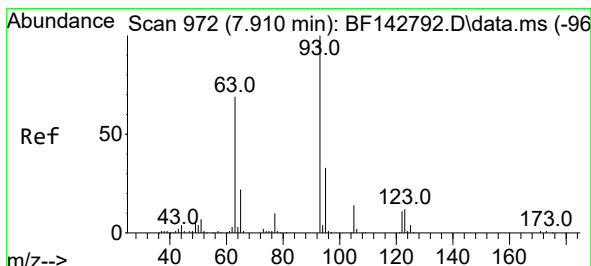
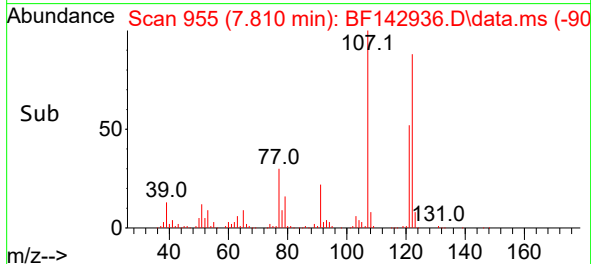
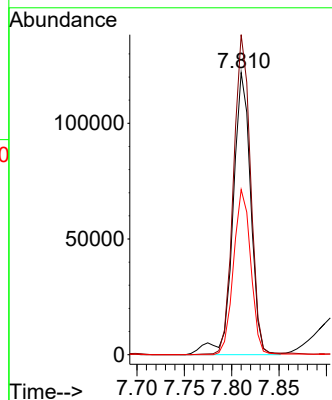
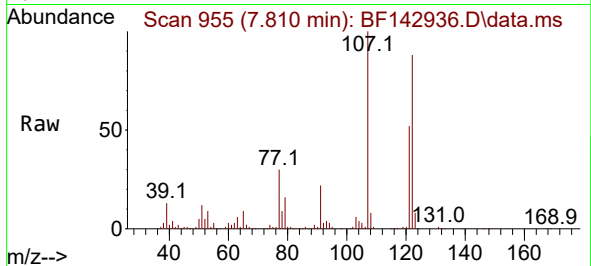
Tgt Ion:122 Resp: 158880

Ion Ratio Lower Upper

122 100

107 113.4 88.0 132.0

121 58.5 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 43.407 ng

RT: 7.904 min Scan# 971

Delta R.T. -0.006 min

Lab File: BF142936.D

Acq: 01 Jul 2025 01:45

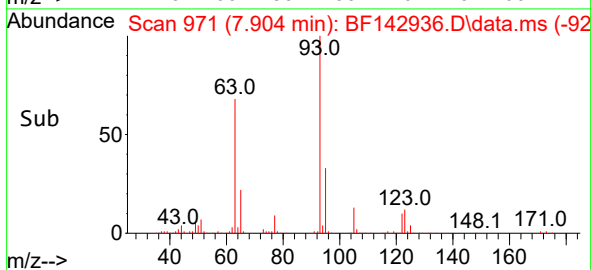
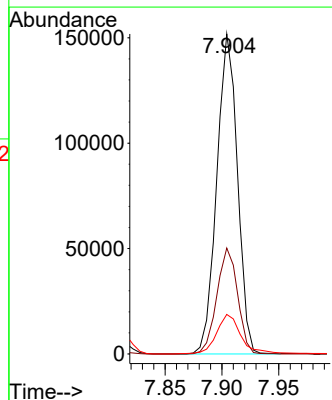
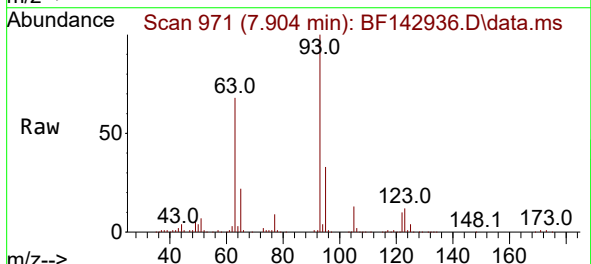
Tgt Ion: 93 Resp: 192337

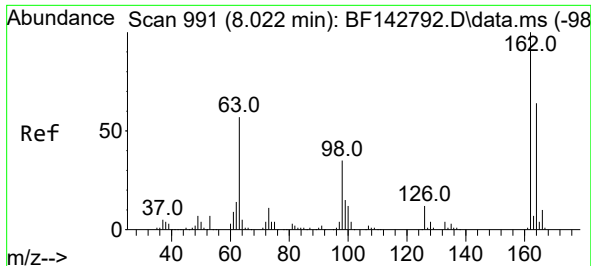
Ion Ratio Lower Upper

93 100

95 33.1 26.2 39.2

123 12.4 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 43.370 ng

RT: 8.016 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF142936.D

Acq: 01 Jul 2025 01:45

Instrument :

BNA_F

ClientSampleId :

EP-2MSD

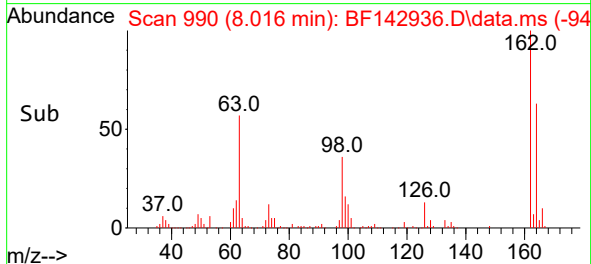
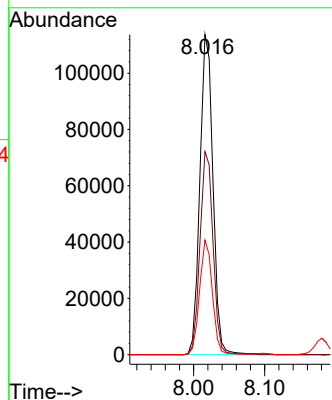
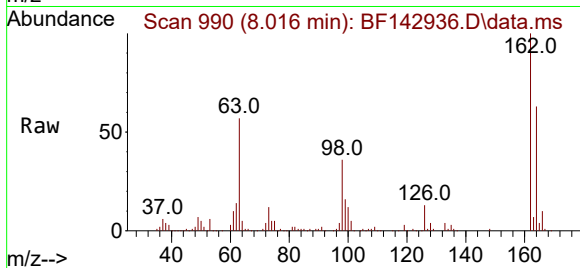
Tgt Ion:162 Resp: 145918

Ion Ratio Lower Upper

162 100

164 63.4 44.0 84.0

98 35.8 15.4 55.4



#30

1,2,4-Trichlorobenzene

Concen: 43.870 ng

RT: 8.098 min Scan# 1004

Delta R.T. -0.006 min

Lab File: BF142936.D

Acq: 01 Jul 2025 01:45

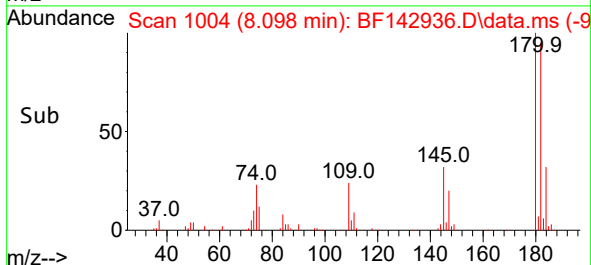
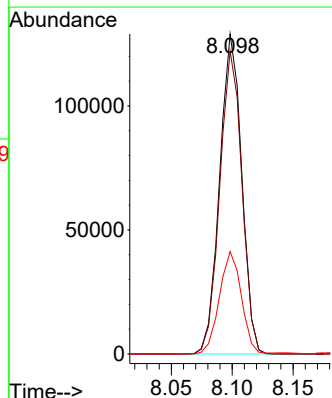
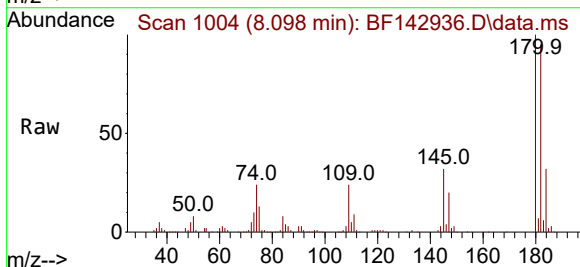
Tgt Ion:180 Resp: 162301

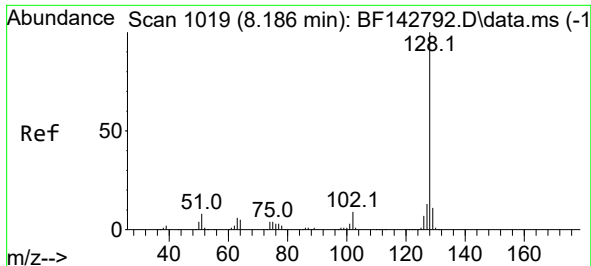
Ion Ratio Lower Upper

180 100

182 94.7 76.4 114.6

145 32.0 25.8 38.8

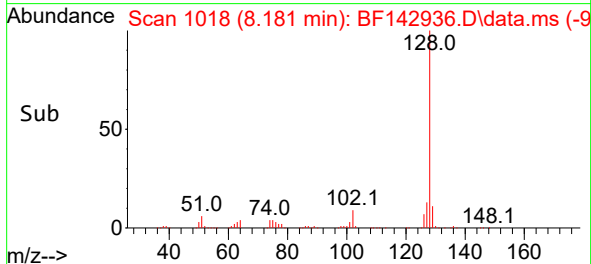
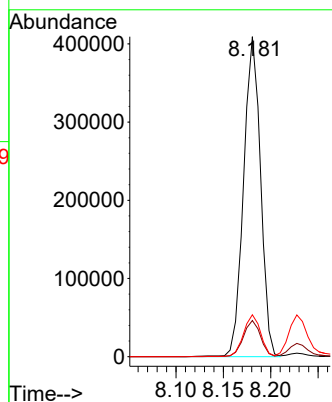
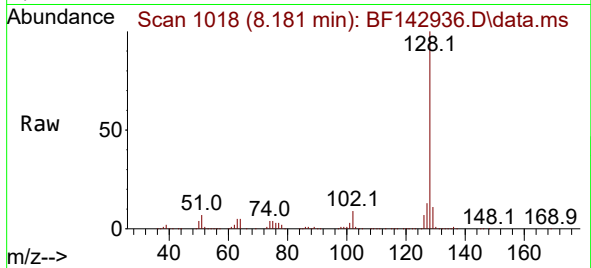




#31
Naphthalene
Concen: 43.644 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142936.D
Acq: 01 Jul 2025 01:45

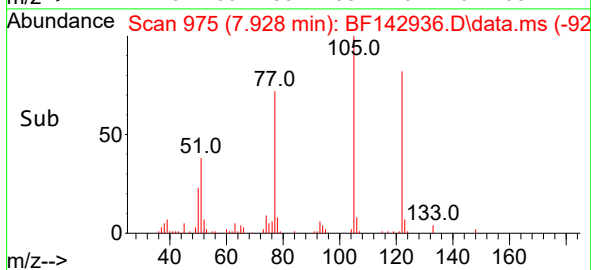
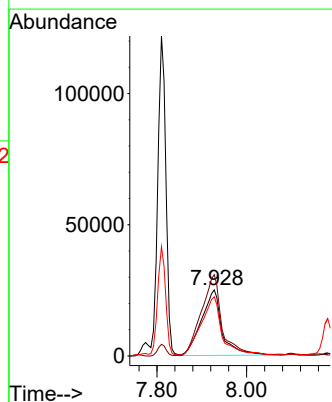
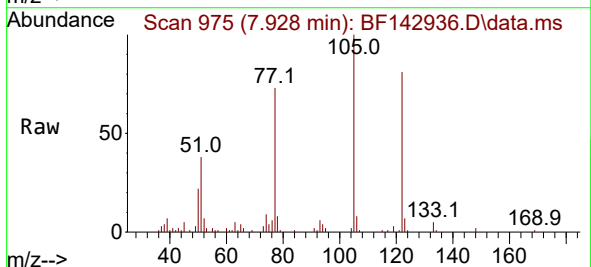
Instrument :
BNA_F
ClientSampleId :
EP-2MSD

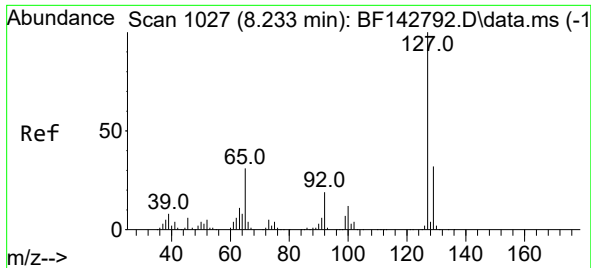
Tgt Ion:128 Resp: 509108
Ion Ratio Lower Upper
128 100
129 11.3 8.9 13.3
127 13.1 10.4 15.6



#32
Benzoic acid
Concen: 42.360 ng
RT: 7.928 min Scan# 975
Delta R.T. 0.006 min
Lab File: BF142936.D
Acq: 01 Jul 2025 01:45

Tgt Ion:122 Resp: 80114
Ion Ratio Lower Upper
122 100
105 123.0 104.7 144.7
77 89.6 70.2 110.2

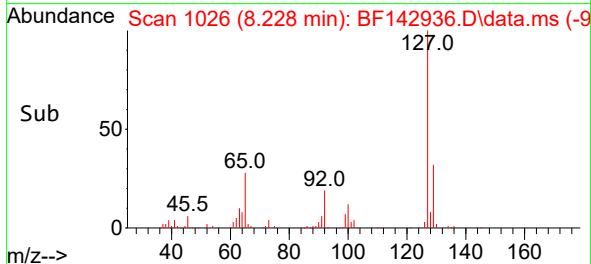
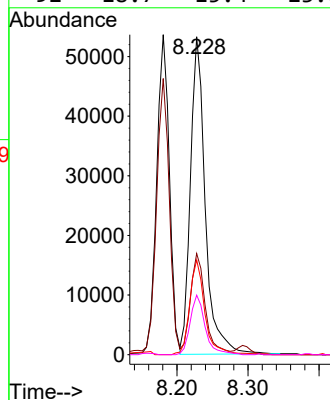
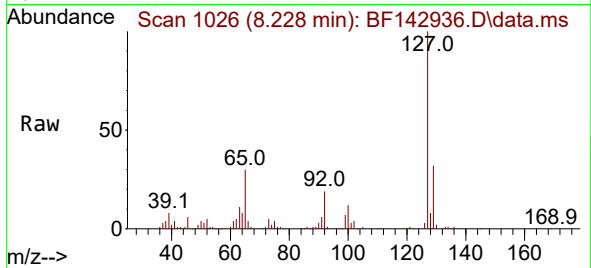




#33
4-Chloroaniline
Concen: 16.275 ng
RT: 8.228 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF142936.D
Acq: 01 Jul 2025 01:45

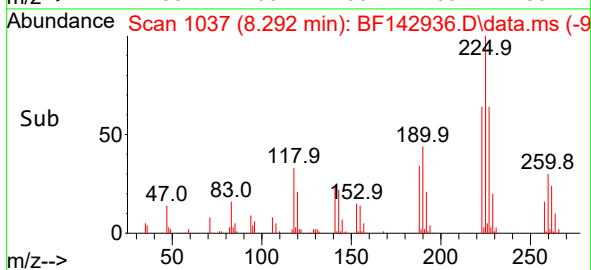
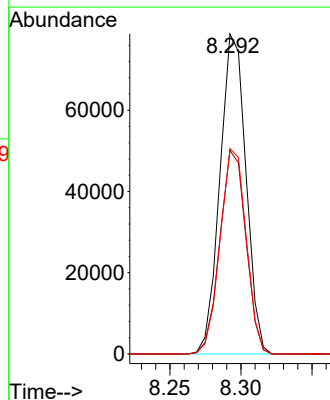
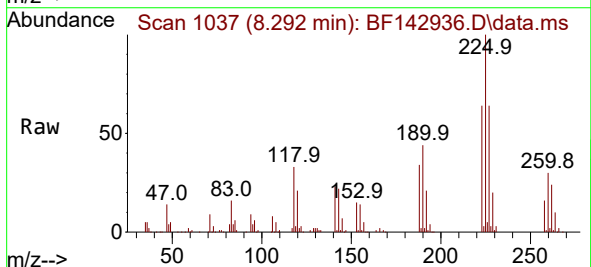
Instrument :
BNA_F
ClientSampleId :
EP-2MSD

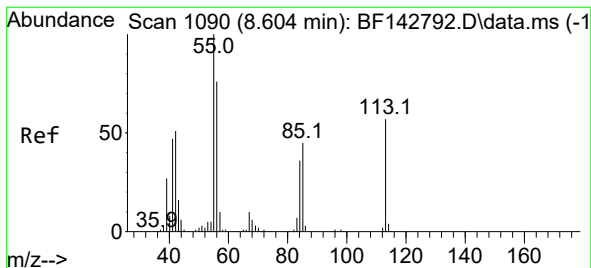
Tgt Ion:127	Resp:	77198
Ion Ratio	Lower	Upper
127	100	
129	31.8	25.9 38.9
65	29.8	24.6 36.8
92	18.7	15.4 23.0



#34
Hexachlorobutadiene
Concen: 44.237 ng
RT: 8.292 min Scan# 1037
Delta R.T. -0.012 min
Lab File: BF142936.D
Acq: 01 Jul 2025 01:45

Tgt Ion:225	Resp:	100108
Ion Ratio	Lower	Upper
225	100	
223	63.5	49.9 74.9
227	64.2	51.4 77.0





#35

Caprolactam

Concen: 48.109 ng

RT: 8.598 min Scan# 1089

Delta R.T. -0.006 min

Lab File: BF142936.D

Acq: 01 Jul 2025 01:45

Instrument :

BNA_F

ClientSampleId :

EP-2MSD

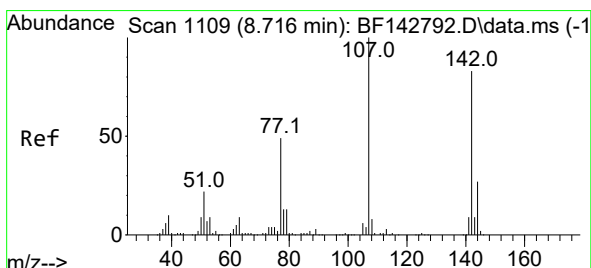
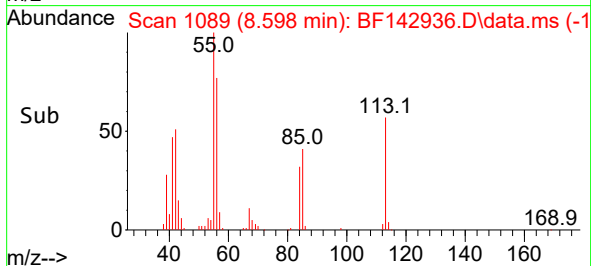
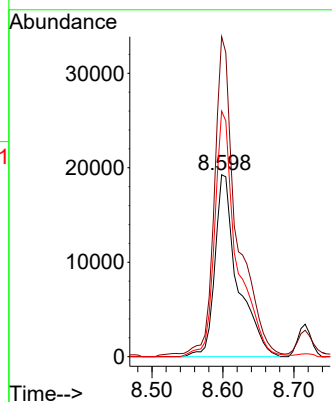
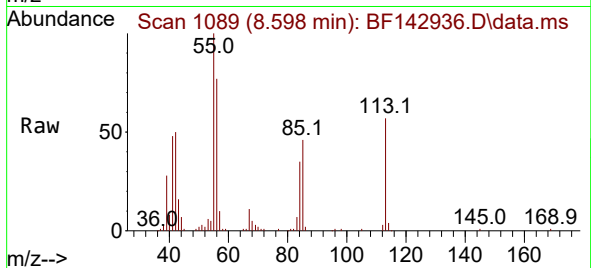
Tgt Ion:113 Resp: 42712

Ion Ratio Lower Upper

113 100

55 175.9 154.4 194.4

56 135.0 112.1 152.1



#36

4-Chloro-3-methylphenol

Concen: 43.542 ng

RT: 8.716 min Scan# 1109

Delta R.T. 0.000 min

Lab File: BF142936.D

Acq: 01 Jul 2025 01:45

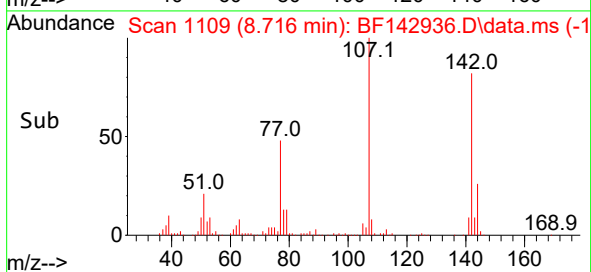
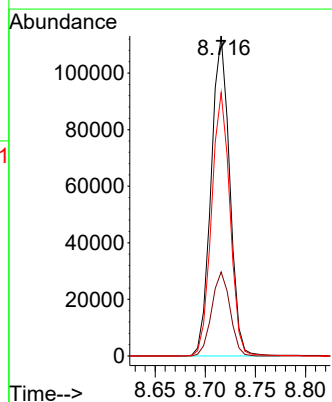
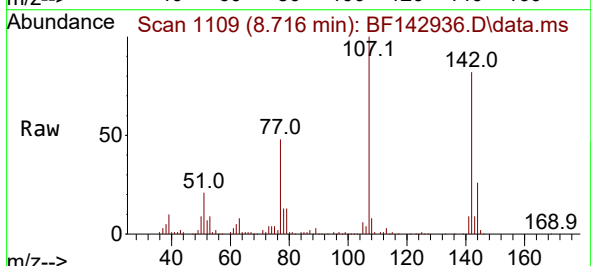
Tgt Ion:107 Resp: 145593

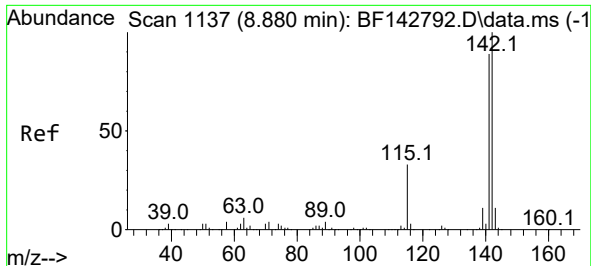
Ion Ratio Lower Upper

107 100

144 26.3 21.3 31.9

142 82.3 66.6 100.0

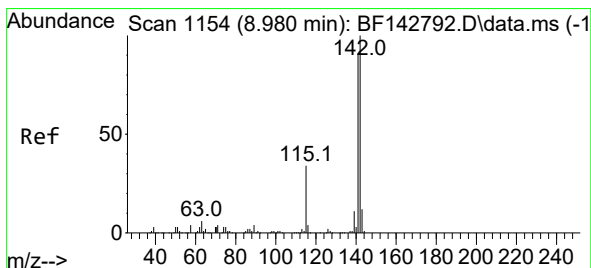
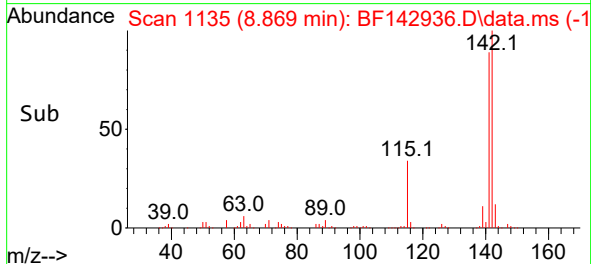
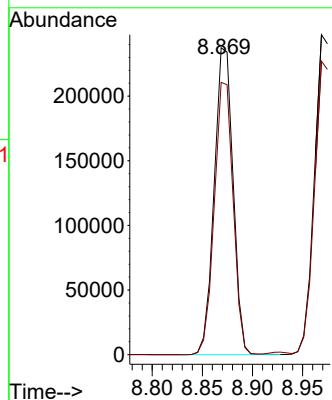
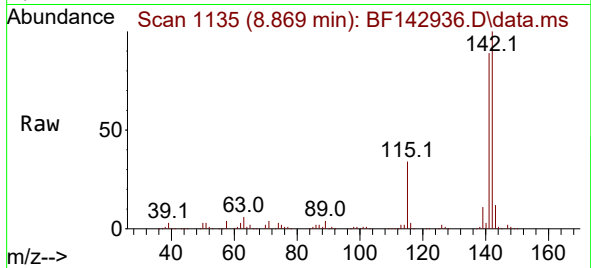




#37
2-Methylnaphthalene
Concen: 42.953 ng
RT: 8.869 min Scan# 1135
Delta R.T. -0.012 min
Lab File: BF142936.D
Acq: 01 Jul 2025 01:45

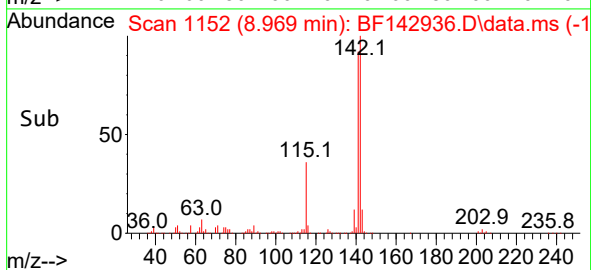
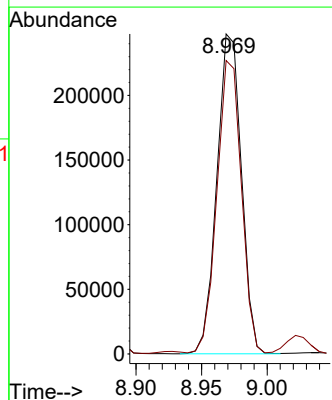
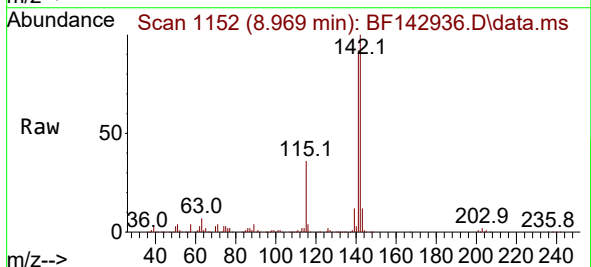
Instrument :
BNA_F
ClientSampleId :
EP-2MSD

Tgt Ion:142 Resp: 310635
Ion Ratio Lower Upper
142 100
141 88.7 70.9 106.3



#38
1-Methylnaphthalene
Concen: 42.920 ng
RT: 8.969 min Scan# 1152
Delta R.T. -0.012 min
Lab File: BF142936.D
Acq: 01 Jul 2025 01:45

Tgt Ion:142 Resp: 321316
Ion Ratio Lower Upper
142 100
141 91.7 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1113

Delta R.T. -0.006 min

Lab File: BF142936.D

Acq: 01 Jul 2025 01:45

Instrument :

BNA_F

ClientSampleId :

EP-2MSD

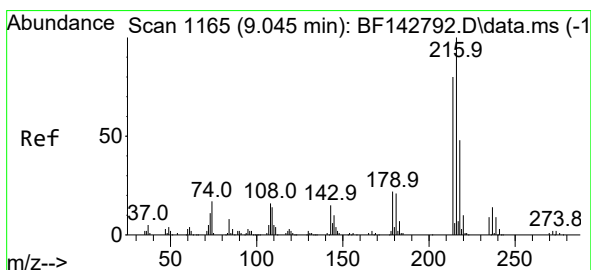
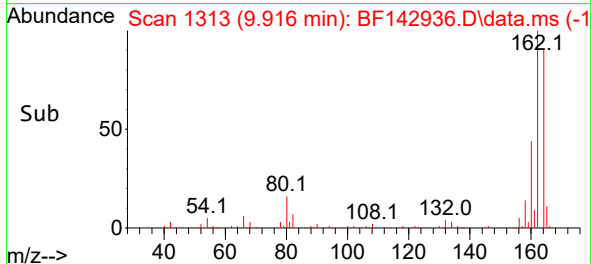
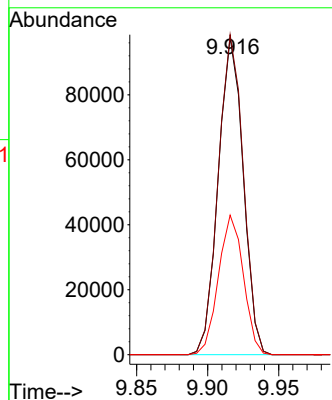
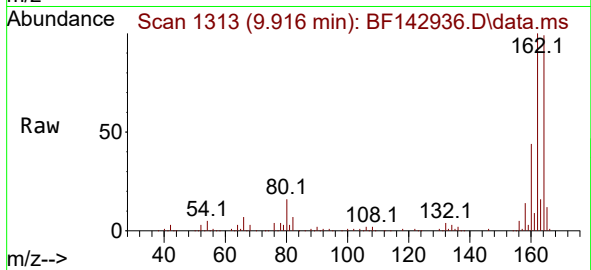
Tgt Ion:164 Resp: 119297

Ion Ratio Lower Upper

164 100

162 100.9 81.8 122.8

160 44.0 36.0 54.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 45.011 ng

RT: 9.039 min Scan# 1164

Delta R.T. -0.006 min

Lab File: BF142936.D

Acq: 01 Jul 2025 01:45

Tgt Ion:216 Resp: 158443

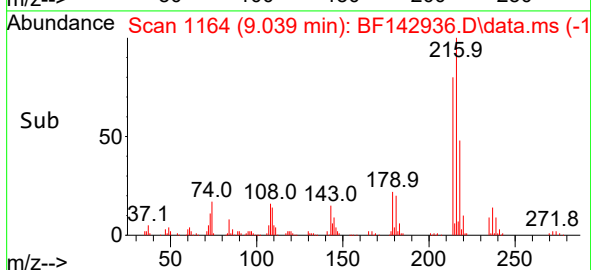
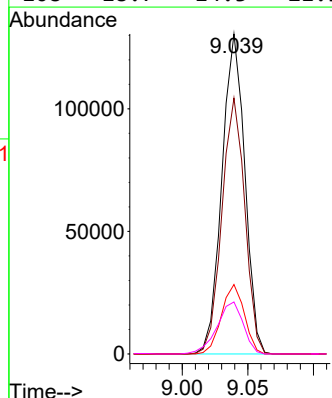
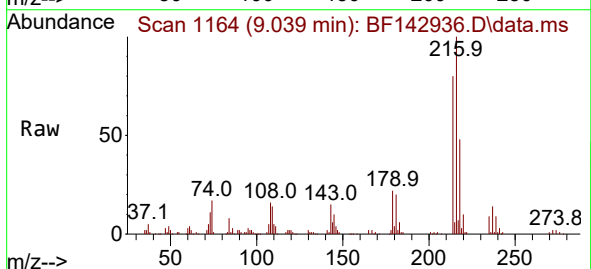
Ion Ratio Lower Upper

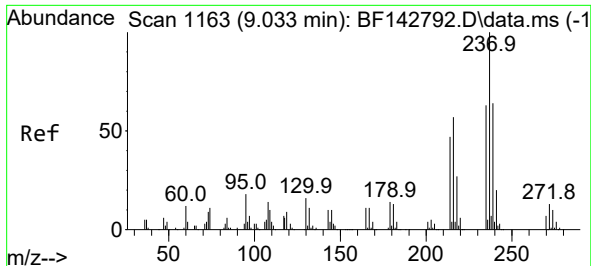
216 100

214 79.8 63.7 95.5

179 21.7 17.6 26.4

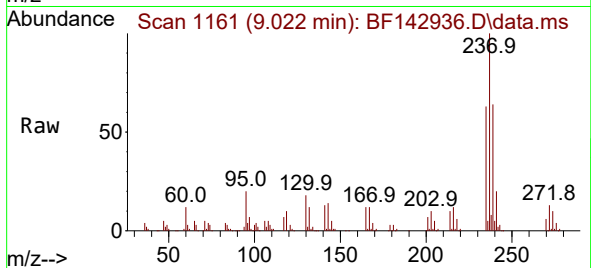
108 18.7 14.3 21.5



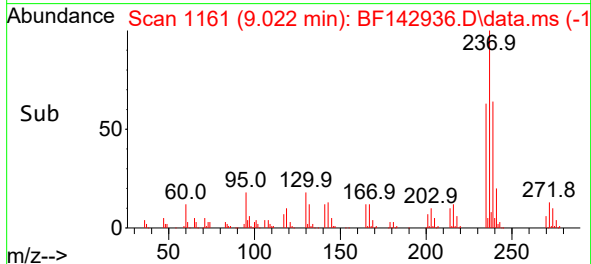
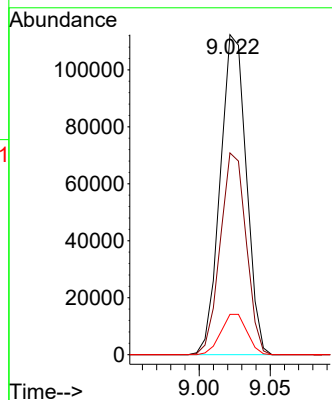


#41
Hexachlorocyclopentadiene
Concen: 71.798 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.012 min
Lab File: BF142936.D
Acq: 01 Jul 2025 01:45

Instrument :
BNA_F
ClientSampleId :
EP-2MSD

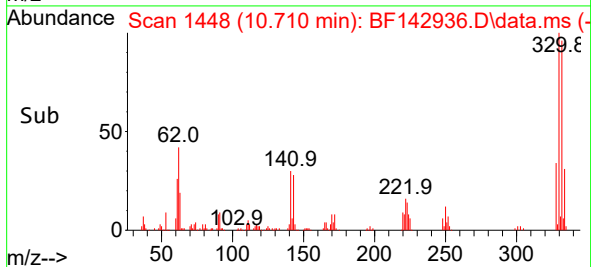
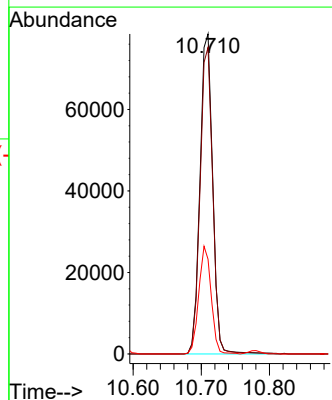
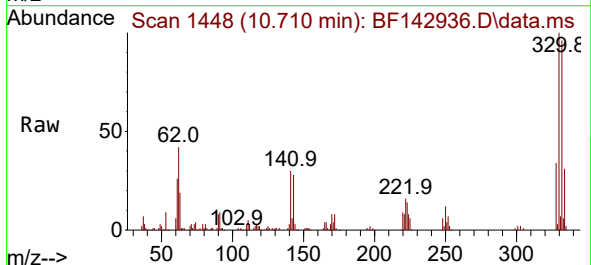


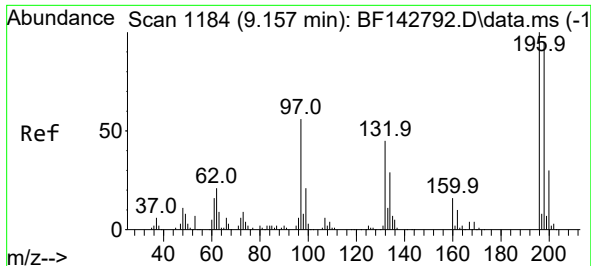
Tgt Ion:237 Resp: 143421
Ion Ratio Lower Upper
237 100
235 63.0 43.4 83.4
272 12.6 0.0 32.7



#42
2,4,6-Tribromophenol
Concen: 82.667 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF142936.D
Acq: 01 Jul 2025 01:45

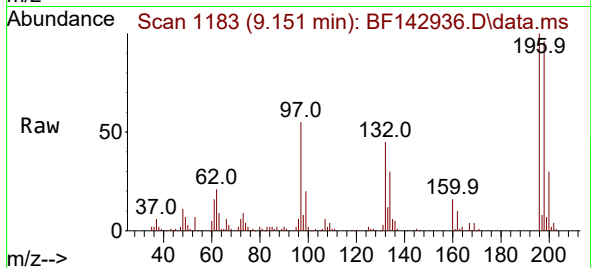
Tgt Ion:330 Resp: 101486
Ion Ratio Lower Upper
330 100
332 95.7 75.0 112.6
141 32.9 25.3 37.9



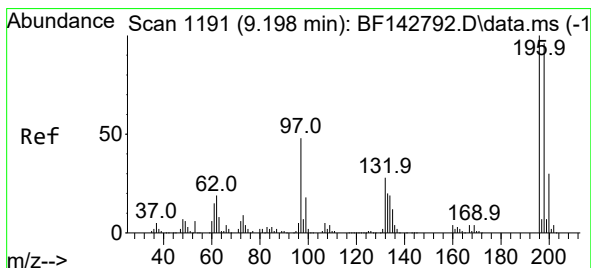
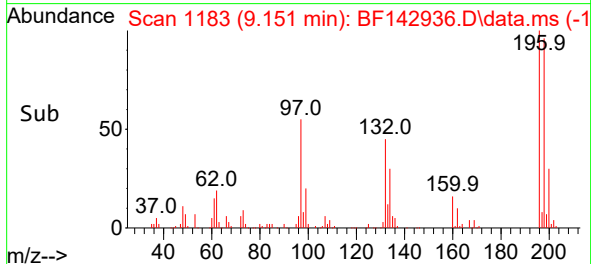
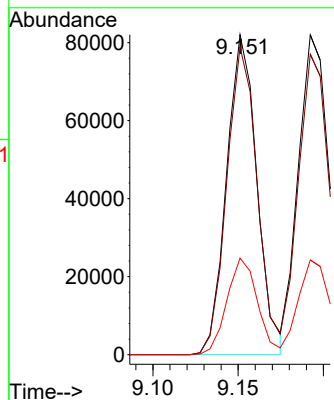


#43
2,4,6-Trichlorophenol
Concen: 44.285 ng
RT: 9.151 min Scan# 1184
Delta R.T. -0.006 min
Lab File: BF142936.D
Acq: 01 Jul 2025 01:45

Instrument :
BNA_F
ClientSampleId :
EP-2MSD

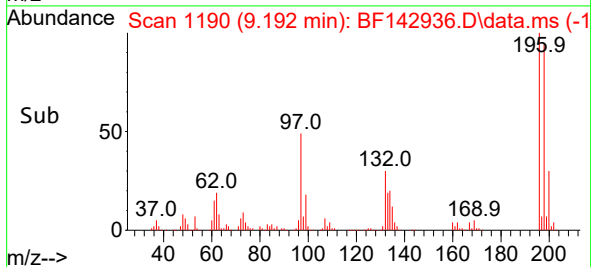
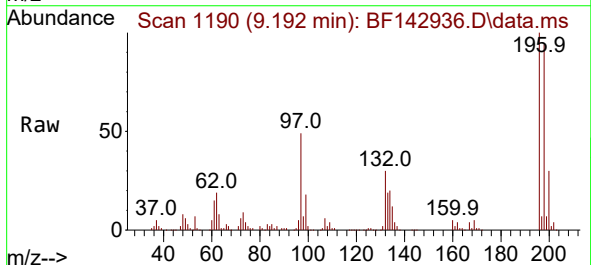
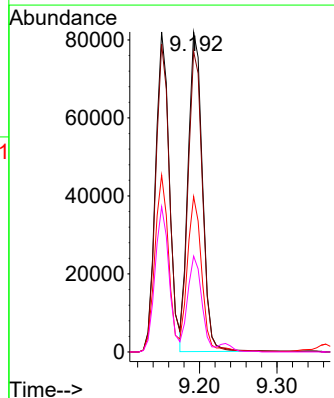


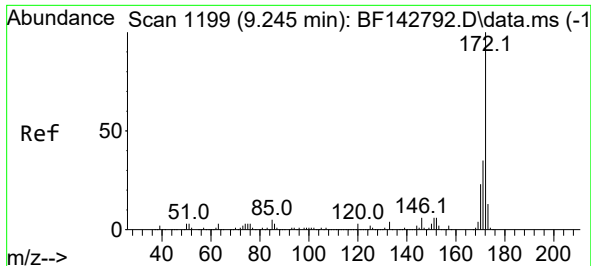
Tgt Ion:196 Resp: 101579
Ion Ratio Lower Upper
196 100
198 96.2 76.2 114.2
200 30.2 24.1 36.1



#44
2,4,5-Trichlorophenol
Concen: 43.612 ng
RT: 9.192 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF142936.D
Acq: 01 Jul 2025 01:45

Tgt Ion:196 Resp: 105305
Ion Ratio Lower Upper
196 100
198 93.9 76.6 115.0
97 48.6 38.2 57.2
132 30.0 23.4 35.0





#45

2-Fluorobiphenyl

Concen: 55.009 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF142936.D

Acq: 01 Jul 2025 01:45

Instrument :

BNA_F

ClientSampleId :

EP-2MSD

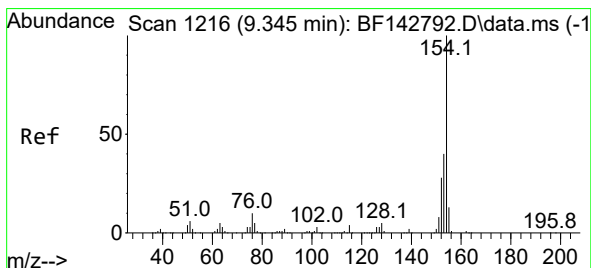
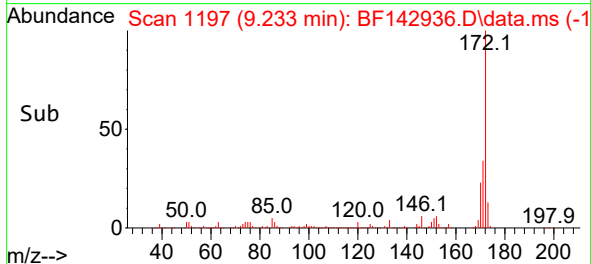
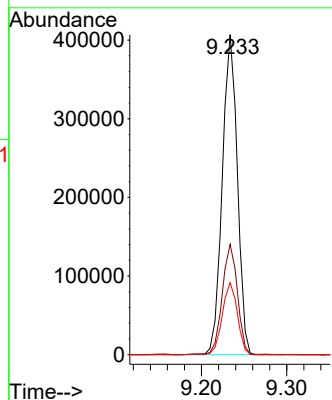
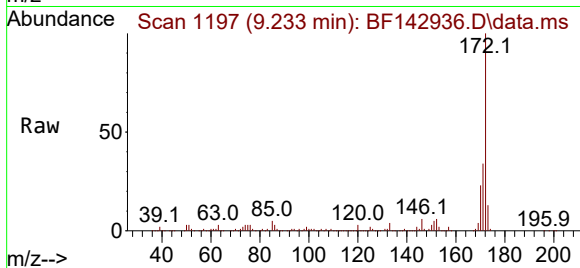
Tgt Ion:172 Resp: 499547

Ion Ratio Lower Upper

172 100

171 34.5 28.2 42.4

170 22.5 18.5 27.7



#46

1,1'-Biphenyl

Concen: 44.975 ng

RT: 9.333 min Scan# 1214

Delta R.T. -0.012 min

Lab File: BF142936.D

Acq: 01 Jul 2025 01:45

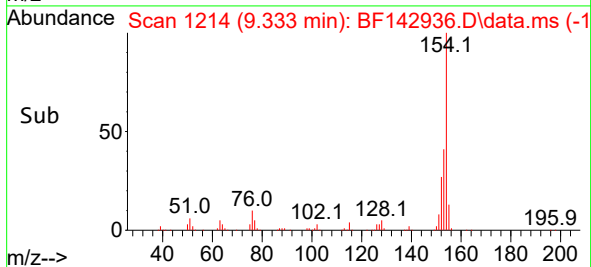
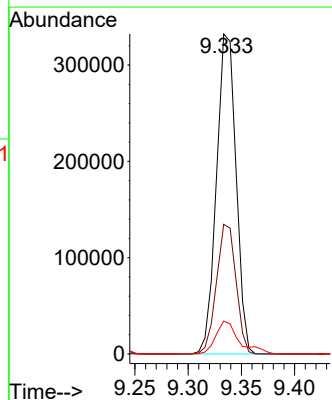
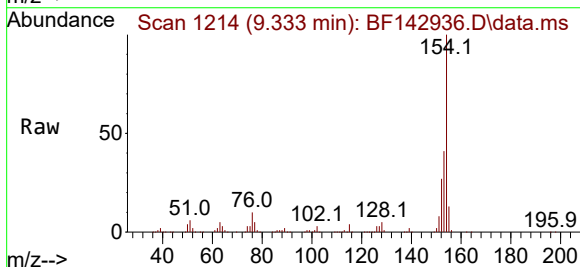
Tgt Ion:154 Resp: 423840

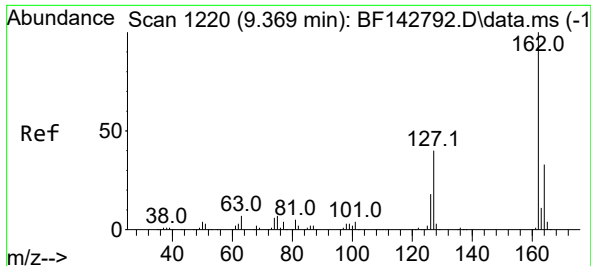
Ion Ratio Lower Upper

154 100

153 40.5 20.3 60.3

76 10.3 0.0 30.3

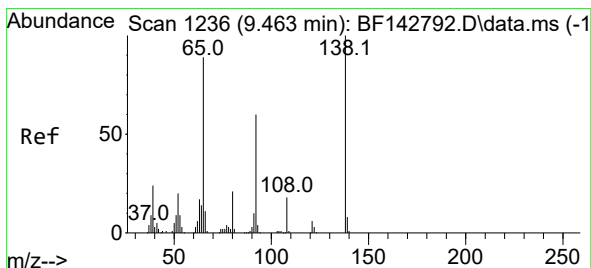
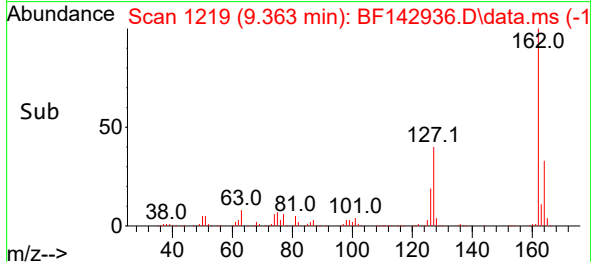
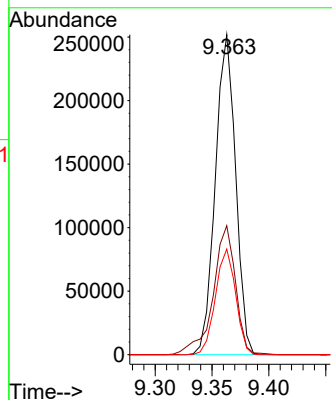
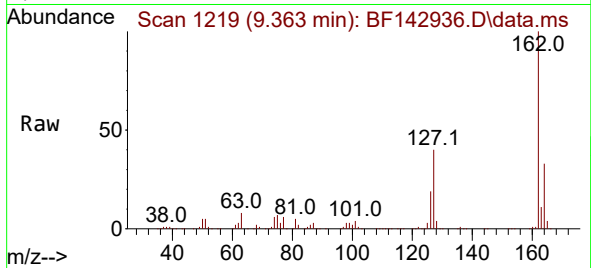




#47
2-Chloronaphthalene
Concen: 44.219 ng
RT: 9.363 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142936.D
Acq: 01 Jul 2025 01:45

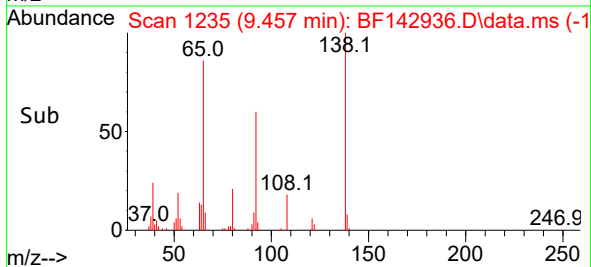
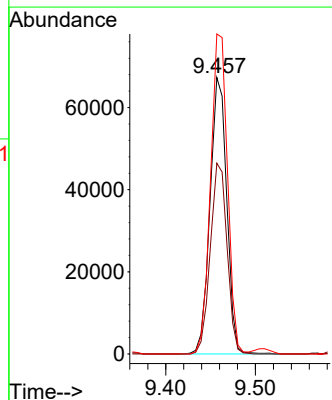
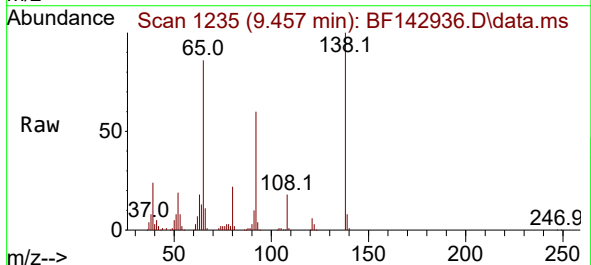
Instrument :
BNA_F
ClientSampleId :
EP-2MSD

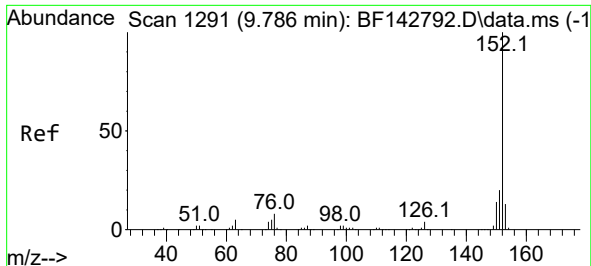
Tgt Ion:162 Resp: 312711
Ion Ratio Lower Upper
162 100
127 40.3 32.2 48.2
164 33.0 26.1 39.1



#48
2-Nitroaniline
Concen: 43.939 ng
RT: 9.457 min Scan# 1235
Delta R.T. -0.006 min
Lab File: BF142936.D
Acq: 01 Jul 2025 01:45

Tgt Ion: 65 Resp: 87115
Ion Ratio Lower Upper
65 100
92 69.0 53.8 80.6
138 115.7 89.6 134.4





#49

Acenaphthylene

Concen: 43.803 ng

RT: 9.780 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142936.D

Acq: 01 Jul 2025 01:45

Instrument :

BNA_F

ClientSampleId :

EP-2MSD

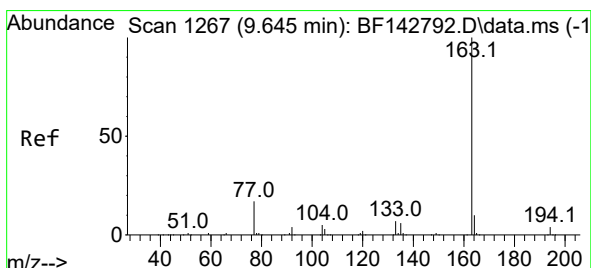
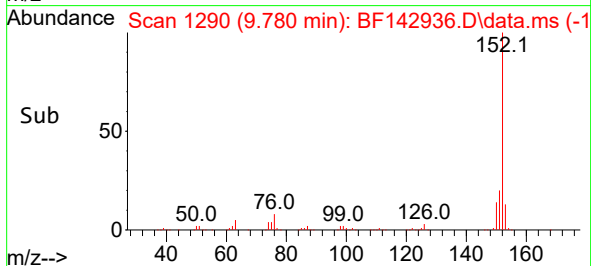
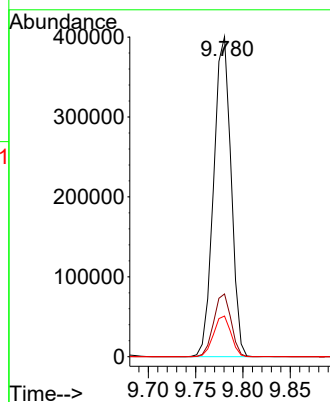
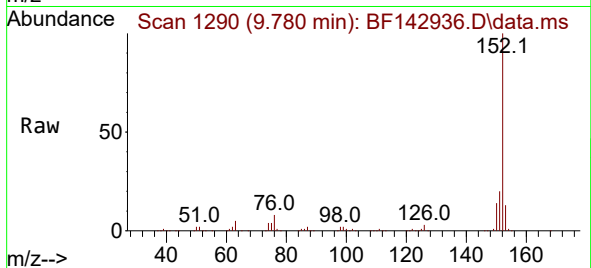
Tgt Ion:152 Resp: 509949

Ion Ratio Lower Upper

152 100

151 19.6 16.1 24.1

153 12.7 10.4 15.6



#50

Dimethylphthalate

Concen: 47.300 ng

RT: 9.633 min Scan# 1265

Delta R.T. -0.012 min

Lab File: BF142936.D

Acq: 01 Jul 2025 01:45

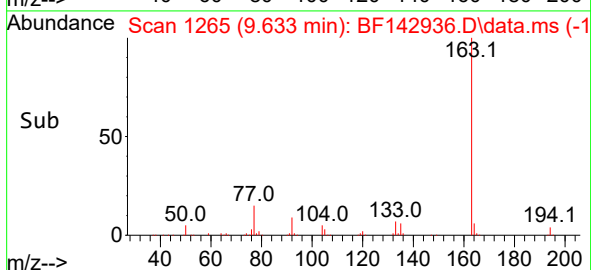
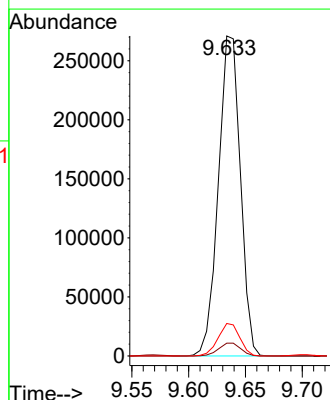
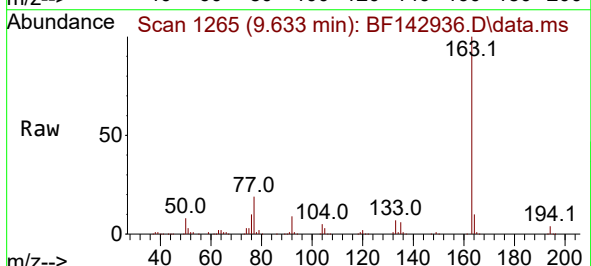
Tgt Ion:163 Resp: 365257

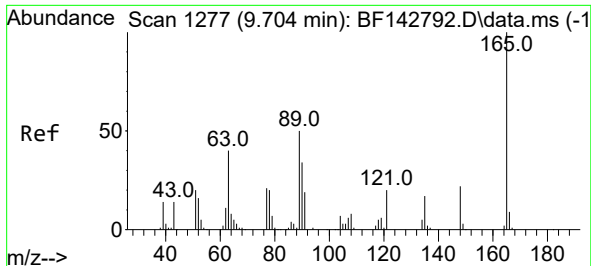
Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

164 10.1 8.0 12.0

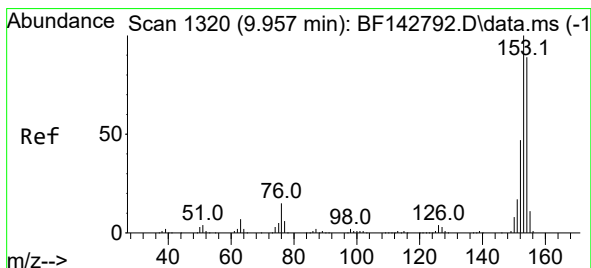
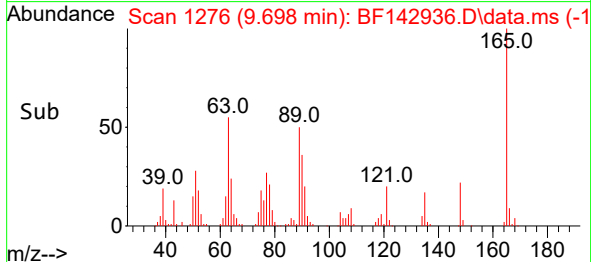
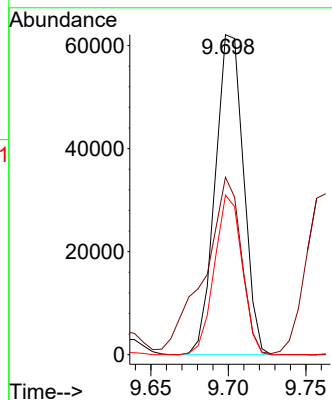
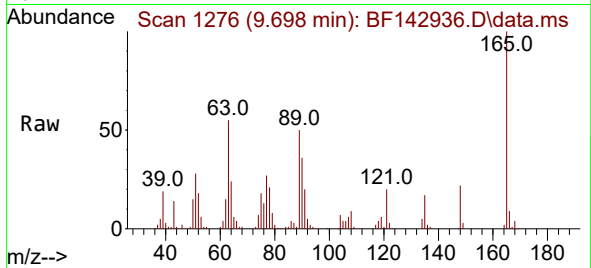




#51
2,6-Dinitrotoluene
Concen: 46.534 ng
RT: 9.698 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142936.D
Acq: 01 Jul 2025 01:45

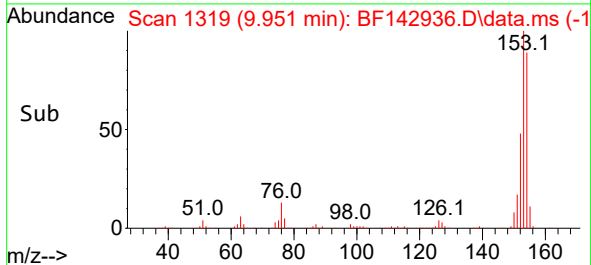
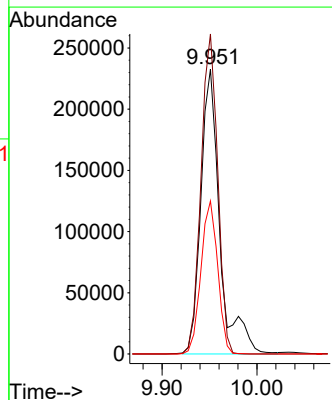
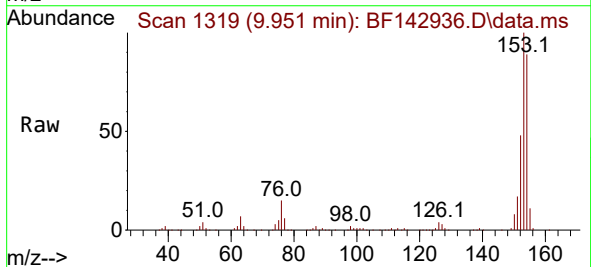
Instrument :
BNA_F
ClientSampleId :
EP-2MSD

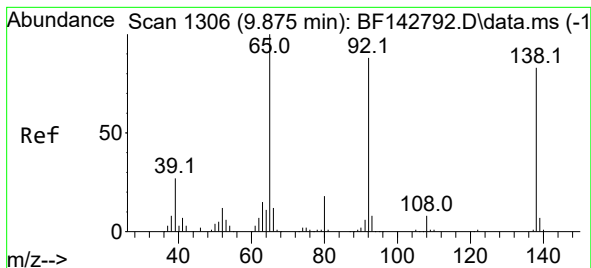
Tgt Ion:165 Resp: 78915
Ion Ratio Lower Upper
165 100
63 55.5 44.2 66.4
89 49.9 39.8 59.8



#52
Acenaphthene
Concen: 45.684 ng m
RT: 9.951 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF142936.D
Acq: 01 Jul 2025 01:45

Tgt Ion:154 Resp: 324495
Ion Ratio Lower Upper
154 100
153 112.3 90.0 135.0
152 53.7 41.9 62.9

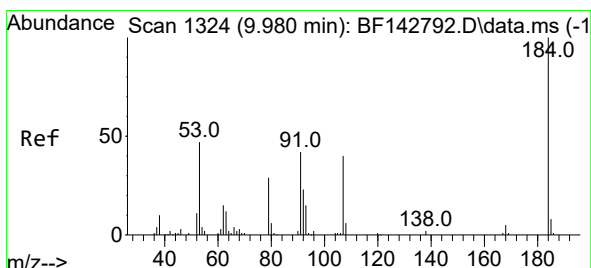
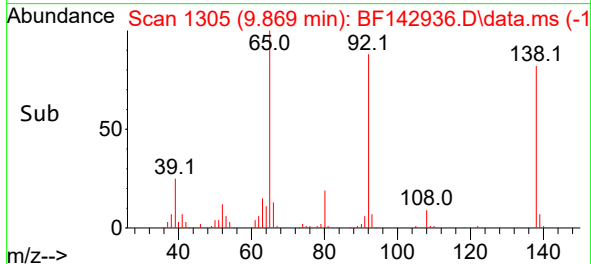
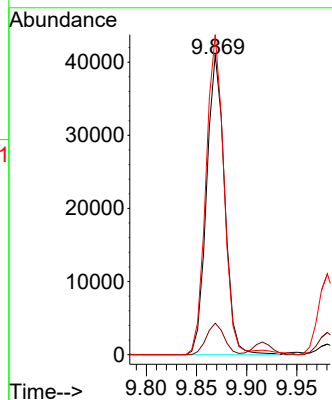
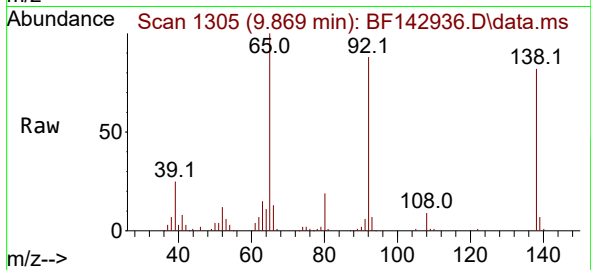




#53
3-Nitroaniline
Concen: 27.462 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142936.D
Acq: 01 Jul 2025 01:45

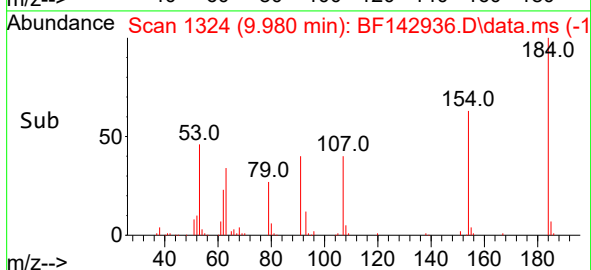
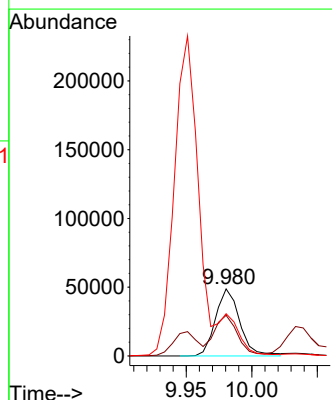
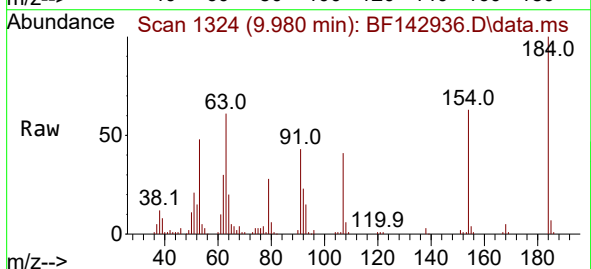
Instrument :
BNA_F
ClientSampleId :
EP-2MSD

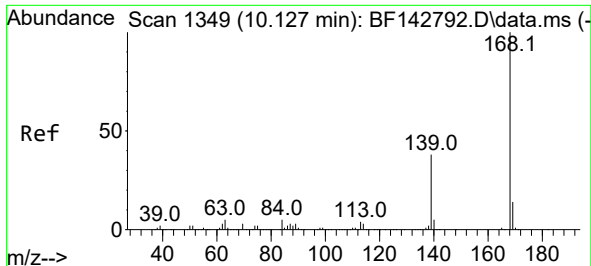
Tgt Ion:138 Resp: 51275
Ion Ratio Lower Upper
138 100
108 10.5 8.1 12.1
92 106.6 85.1 127.7



#54
2,4-Dinitrophenol
Concen: 73.987 ng
RT: 9.980 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF142936.D
Acq: 01 Jul 2025 01:45

Tgt Ion:184 Resp: 62826
Ion Ratio Lower Upper
184 100
63 60.7 50.6 75.8
154 63.1 51.8 77.8

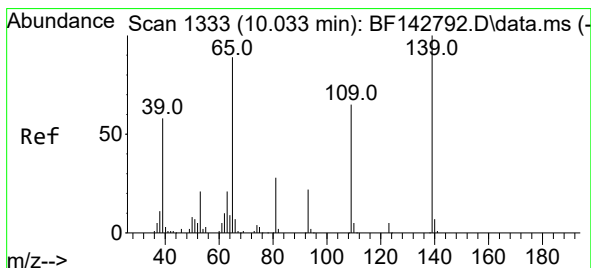
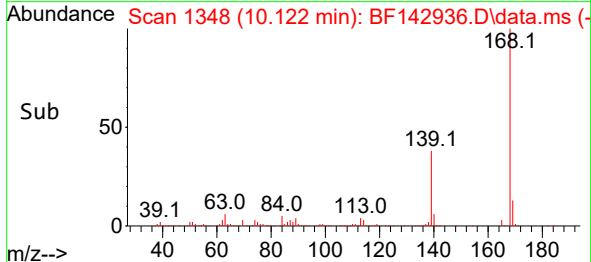
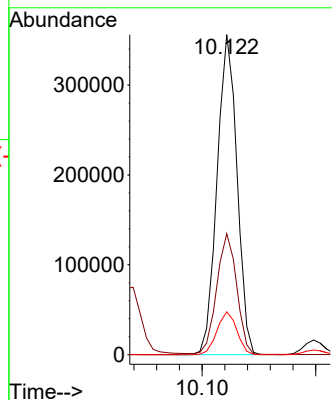
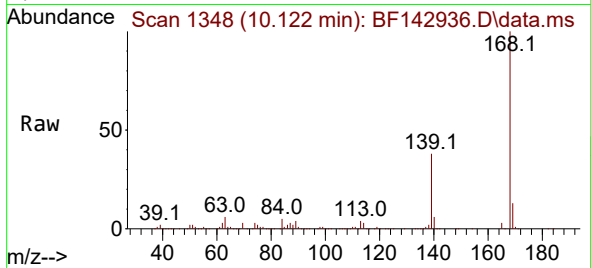




#55
Dibenzofuran
Concen: 42.608 ng
RT: 10.122 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142936.D
Acq: 01 Jul 2025 01:45

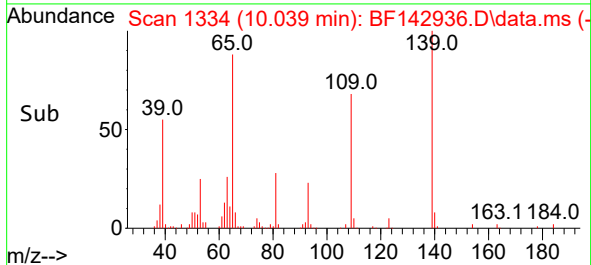
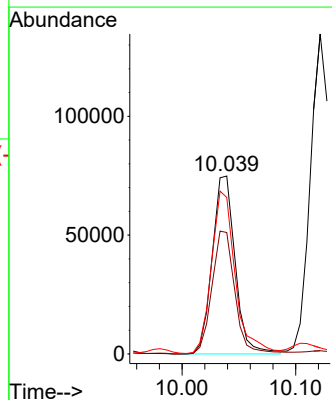
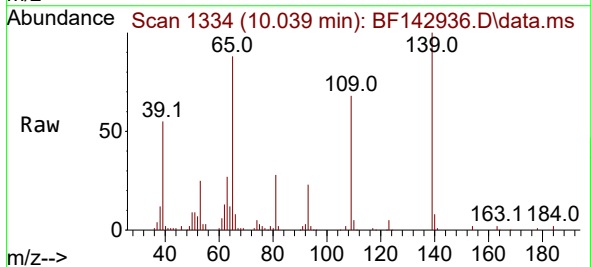
Instrument :
BNA_F
ClientSampleId :
EP-2MSD

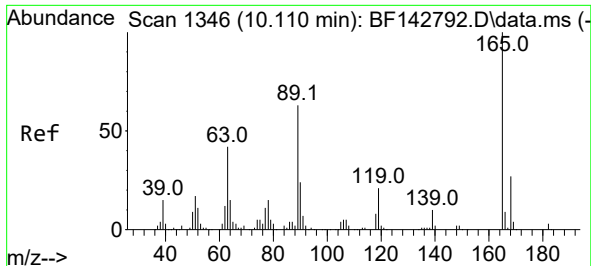
Tgt Ion:168 Resp: 433984
Ion Ratio Lower Upper
168 100
139 37.8 30.2 45.4
169 13.4 10.8 16.2



#56
4-Nitrophenol
Concen: 82.223 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.006 min
Lab File: BF142936.D
Acq: 01 Jul 2025 01:45

Tgt Ion:139 Resp: 105102
Ion Ratio Lower Upper
139 100
109 68.2 44.7 84.7
65 87.9 69.8 109.8





#57

2,4-Dinitrotoluene

Concen: 45.570 ng

RT: 10.104 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142936.D

Acq: 01 Jul 2025 01:45

Instrument :

BNA_F

ClientSampleId :

EP-2MSD

Tgt Ion:165 Resp: 102650

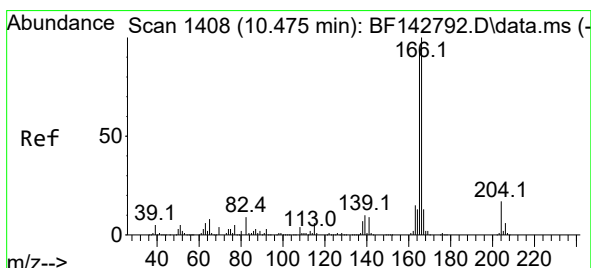
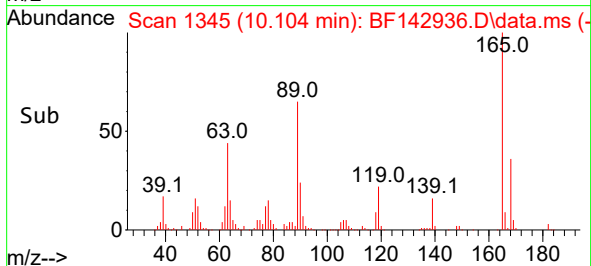
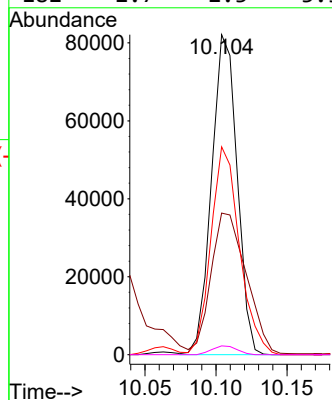
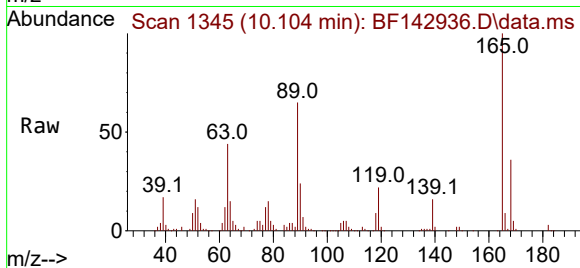
Ion Ratio Lower Upper

165 100

63 44.3 33.9 50.9

89 64.9 50.6 75.8

182 2.7 2.3 3.5



#58

Fluorene

Concen: 42.858 ng

RT: 10.463 min Scan# 1406

Delta R.T. -0.012 min

Lab File: BF142936.D

Acq: 01 Jul 2025 01:45

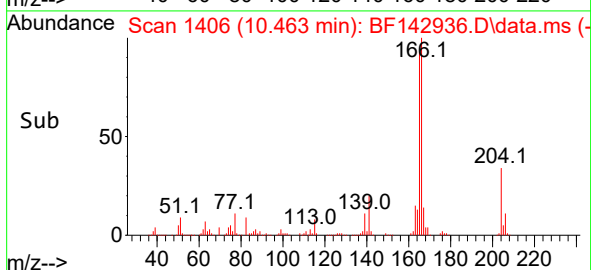
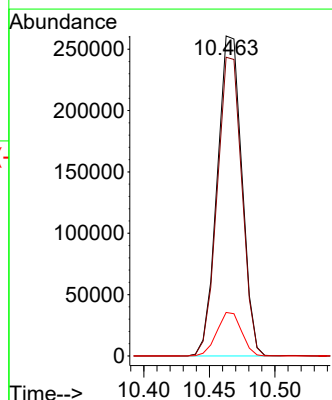
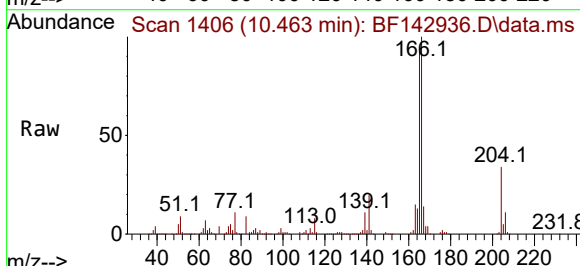
Tgt Ion:166 Resp: 340919

Ion Ratio Lower Upper

166 100

165 93.3 75.2 112.8

167 13.6 10.6 15.8

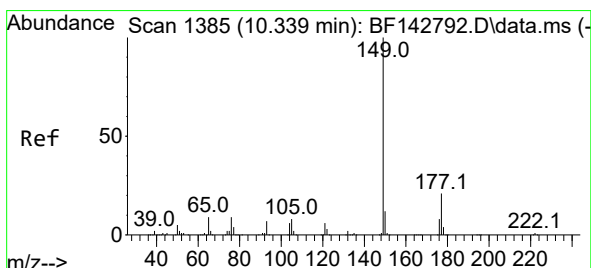
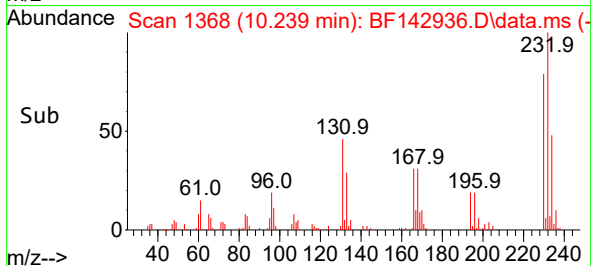
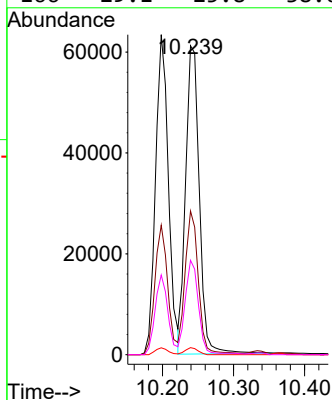
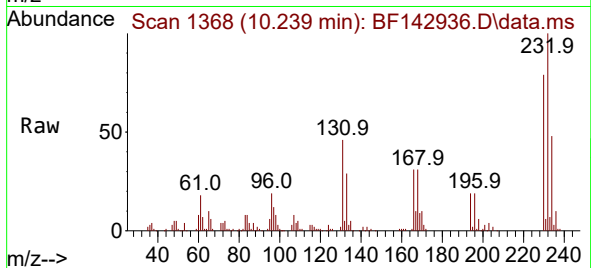




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.981 ng
RT: 10.239 min Scan# 1368
Delta R.T. -0.006 min
Lab File: BF142936.D
Acq: 01 Jul 2025 01:45

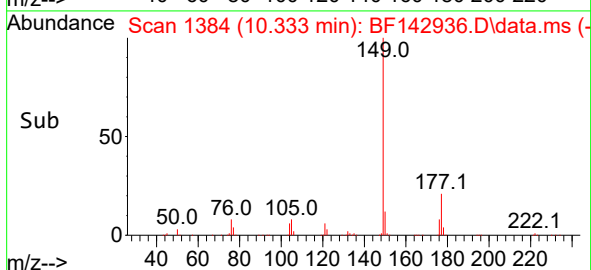
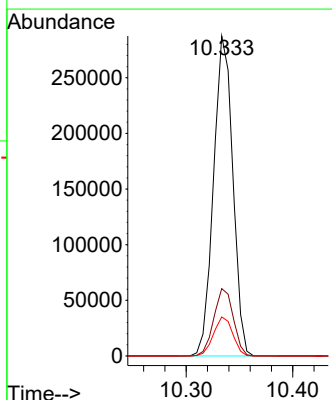
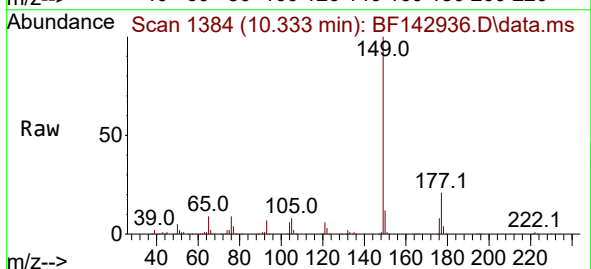
Instrument :
BNA_F
ClientSampleId :
EP-2MSD

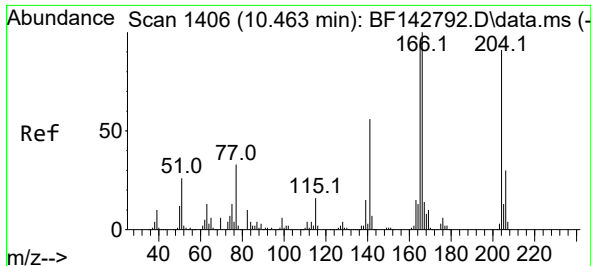
Tgt Ion:232 Resp: 81707
Ion Ratio Lower Upper
232 100
131 43.7 37.6 56.4
130 2.1 1.7 2.5
166 29.1 25.8 38.6



#60
Diethylphthalate
Concen: 47.641 ng
RT: 10.333 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF142936.D
Acq: 01 Jul 2025 01:45

Tgt Ion:149 Resp: 360712
Ion Ratio Lower Upper
149 100
177 21.1 17.0 25.6
150 12.2 9.8 14.6

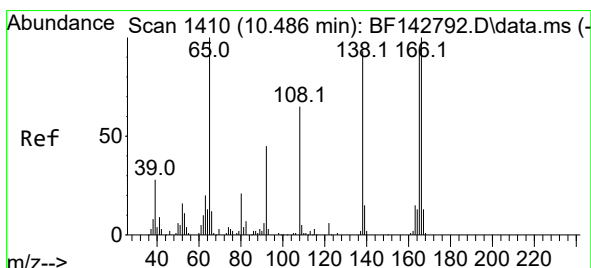
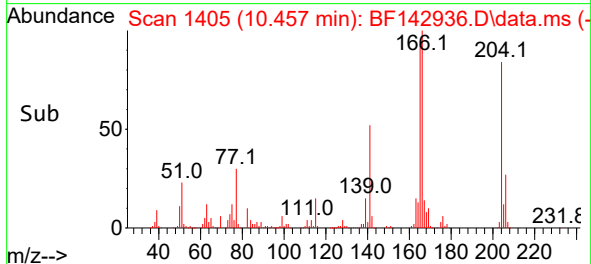
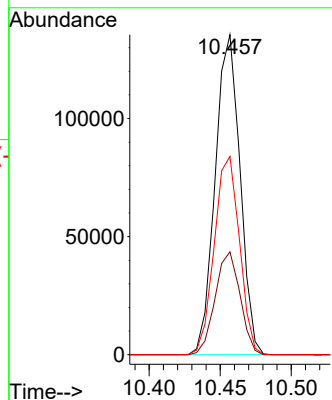
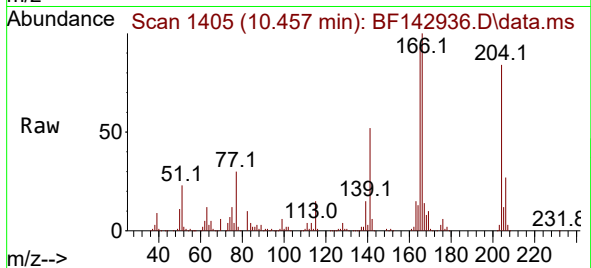




#61
4-Chlorophenyl-phenylether
Concen: 43.419 ng
RT: 10.457 min Scan# 1405
Delta R.T. -0.006 min
Lab File: BF142936.D
Acq: 01 Jul 2025 01:45

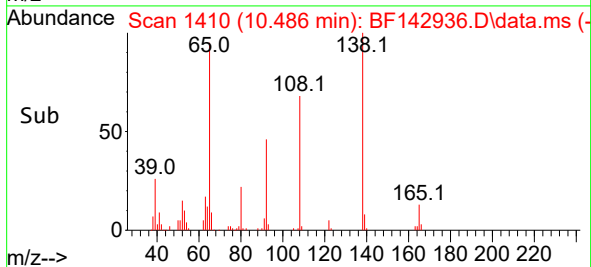
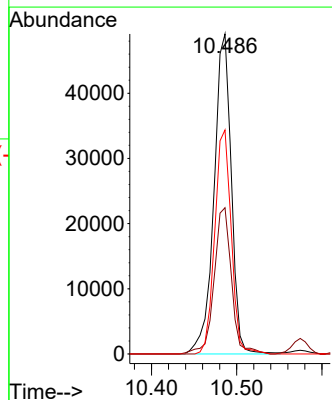
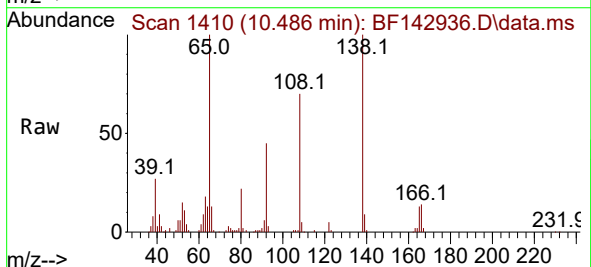
Instrument :
BNA_F
ClientSampleId :
EP-2MSD

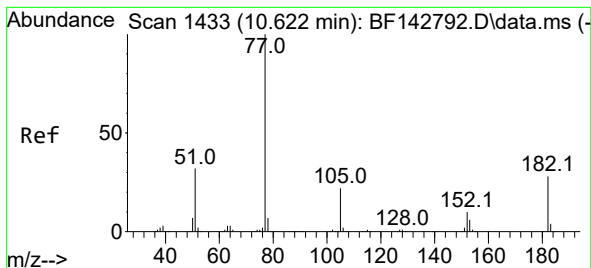
Tgt Ion:204 Resp: 164811
Ion Ratio Lower Upper
204 100
206 32.2 26.3 39.5
141 61.9 49.1 73.7



#62
4-Nitroaniline
Concen: 40.585 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF142936.D
Acq: 01 Jul 2025 01:45

Tgt Ion:138 Resp: 69304
Ion Ratio Lower Upper
138 100
92 45.7 28.4 68.4
108 70.0 50.2 90.2





#63

Azobenzene

Concen: 44.350 ng

RT: 10.616 min Scan# 1432

Delta R.T. -0.006 min

Lab File: BF142936.D

Acq: 01 Jul 2025 01:45

Instrument :

BNA_F

ClientSampleId :

EP-2MSD

Tgt Ion: 77 Resp: 300117

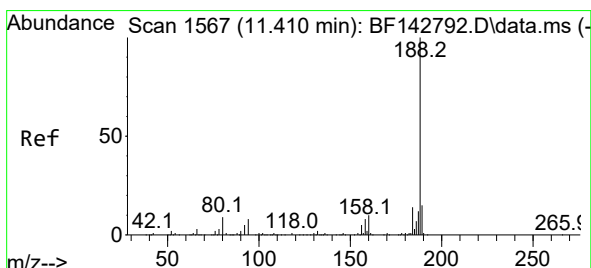
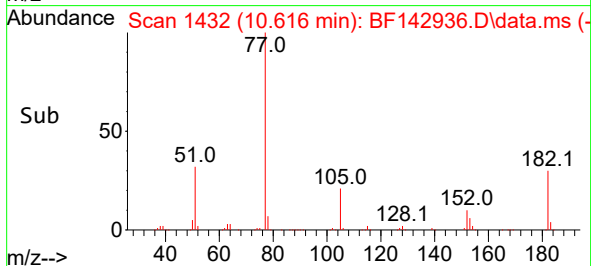
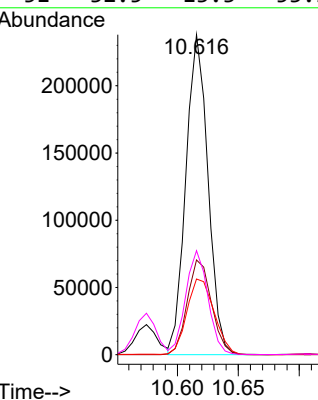
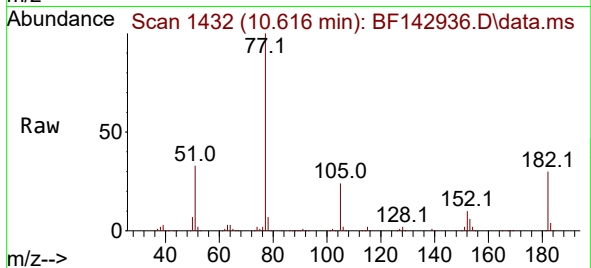
Ion Ratio Lower Upper

77 100

182 29.6 7.7 47.7

105 23.7 1.9 41.9

51 32.5 13.3 53.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1566

Delta R.T. -0.006 min

Lab File: BF142936.D

Acq: 01 Jul 2025 01:45

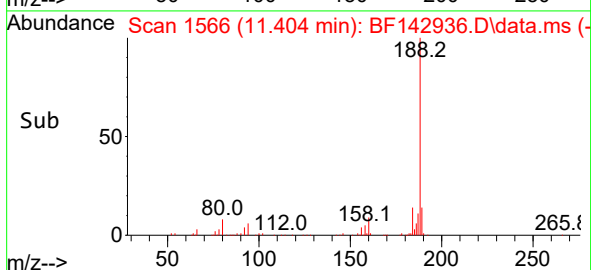
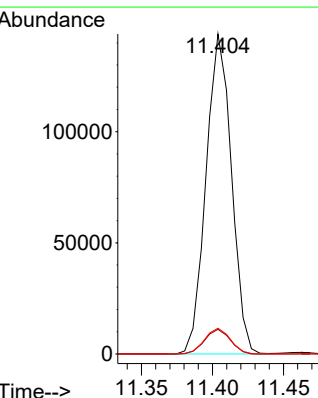
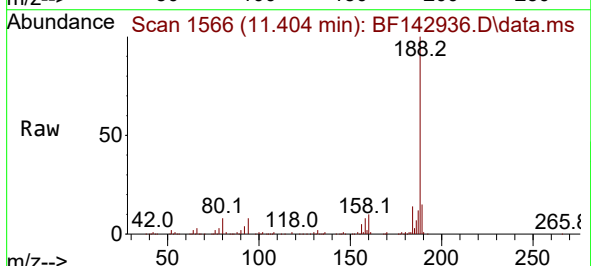
Tgt Ion:188 Resp: 179320

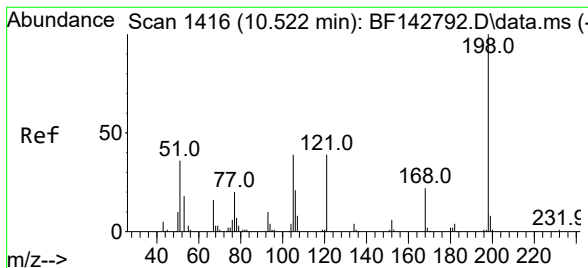
Ion Ratio Lower Upper

188 100

94 7.7 6.7 10.1

80 8.1 6.9 10.3

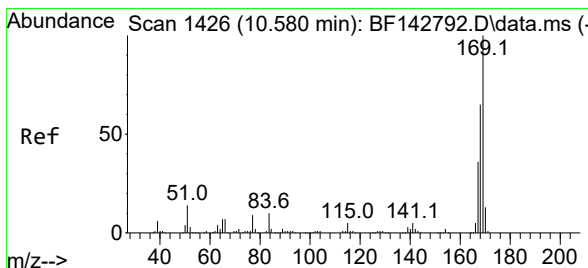
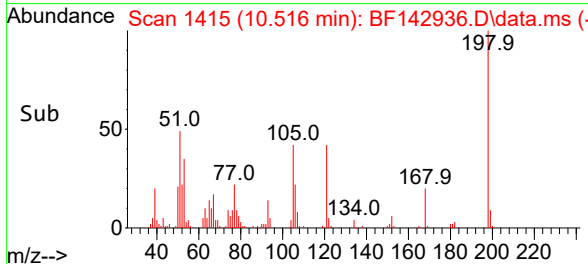
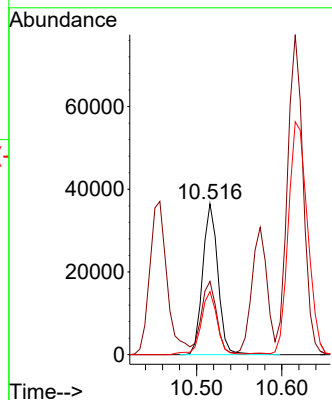
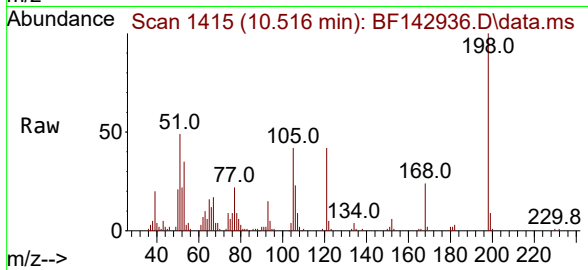




#65
4,6-Dinitro-2-methylphenol
Concen: 41.891 ng
RT: 10.516 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF142936.D
Acq: 01 Jul 2025 01:45

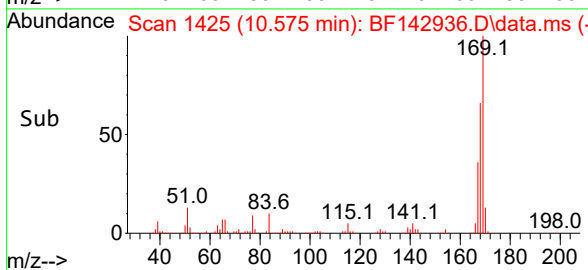
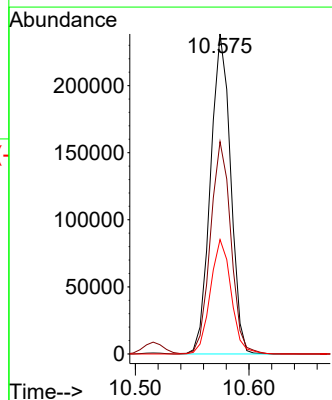
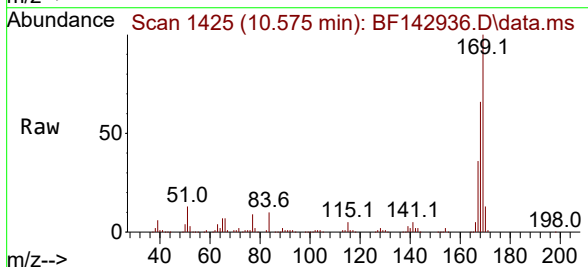
Instrument :
BNA_F
ClientSampleId :
EP-2MSD

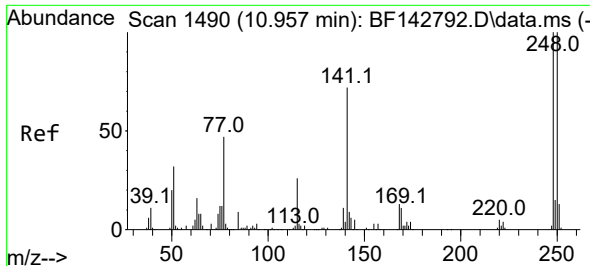
Tgt Ion:198 Resp: 45437
Ion Ratio Lower Upper
198 100
51 48.5 25.4 65.4
105 41.8 20.4 60.4



#66
n-Nitrosodiphenylamine
Concen: 47.174 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF142936.D
Acq: 01 Jul 2025 01:45

Tgt Ion:169 Resp: 293179
Ion Ratio Lower Upper
169 100
168 66.3 51.9 77.9
167 35.8 28.5 42.7

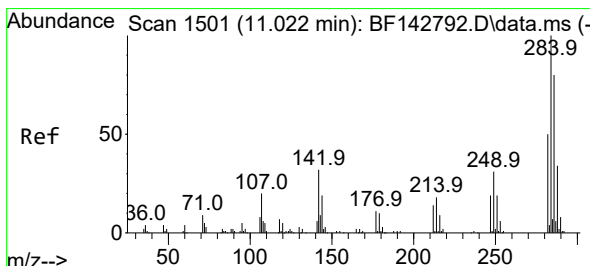
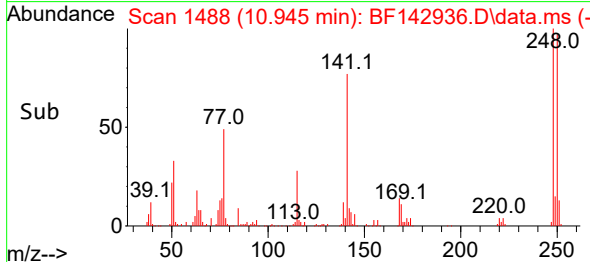
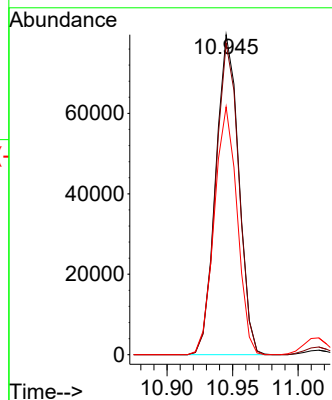
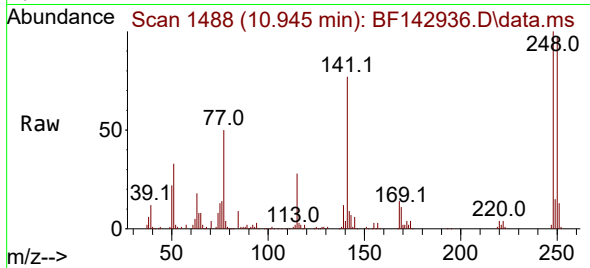




#67
4-Bromophenyl-phenylether
Concen: 47.701 ng
RT: 10.945 min Scan# 1488
Delta R.T. -0.012 min
Lab File: BF142936.D
Acq: 01 Jul 2025 01:45

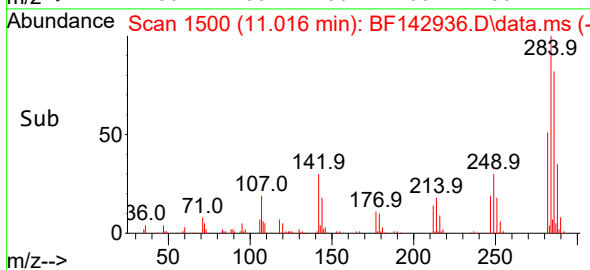
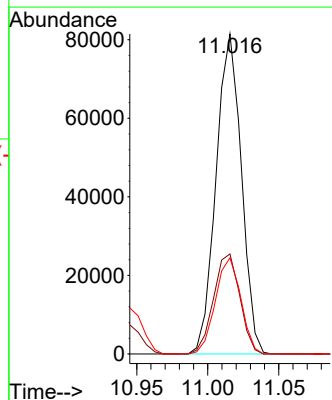
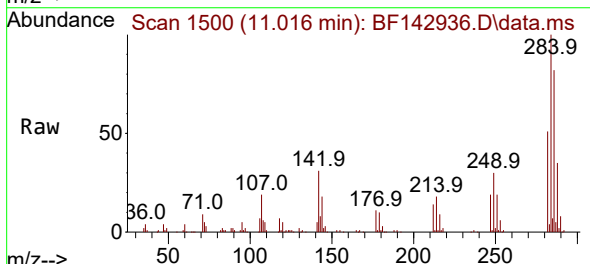
Instrument :
BNA_F
ClientSampleId :
EP-2MSD

Tgt Ion:248 Resp: 97349
Ion Ratio Lower Upper
248 100
250 97.3 79.8 119.8
141 77.4 57.8 86.6



#68
Hexachlorobenzene
Concen: 44.530 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF142936.D
Acq: 01 Jul 2025 01:45

Tgt Ion:284 Resp: 100981
Ion Ratio Lower Upper
284 100
142 31.3 25.5 38.3
249 30.1 24.9 37.3





#69

Atrazine

Concen: 55.442 ng

RT: 11.104 min Scan# 1515

Delta R.T. 0.000 min

Lab File: BF142936.D

Acq: 01 Jul 2025 01:45

Instrument :

BNA_F

ClientSampleId :

EP-2MSD

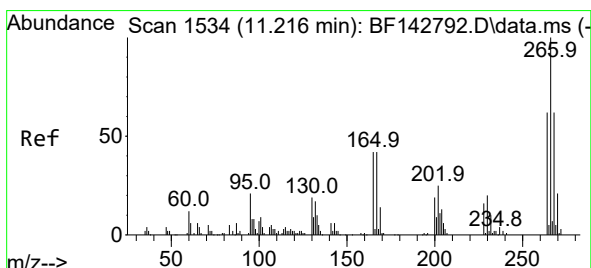
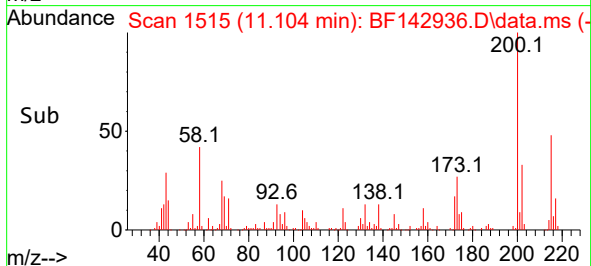
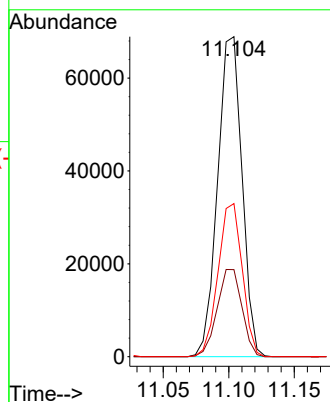
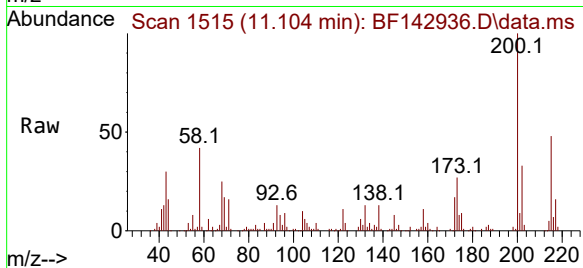
Tgt Ion:200 Resp: 88977

Ion Ratio Lower Upper

200 100

173 27.2 7.4 47.4

215 47.8 28.4 68.4



#70

Pentachlorophenol

Concen: 89.098 ng

RT: 11.210 min Scan# 1533

Delta R.T. -0.006 min

Lab File: BF142936.D

Acq: 01 Jul 2025 01:45

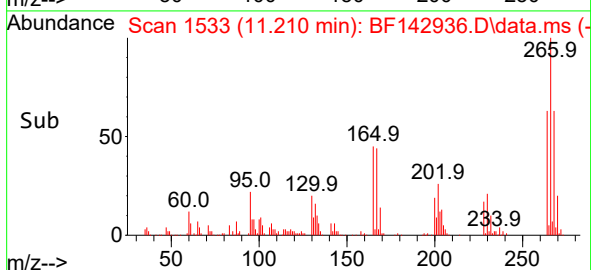
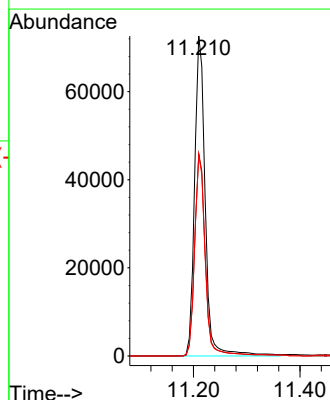
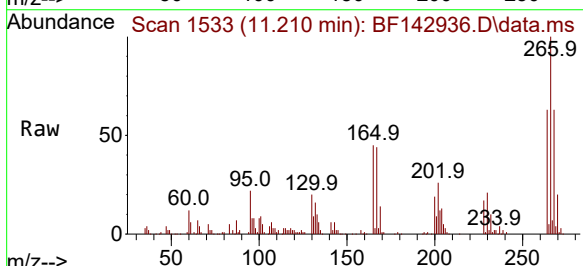
Tgt Ion:266 Resp: 100681

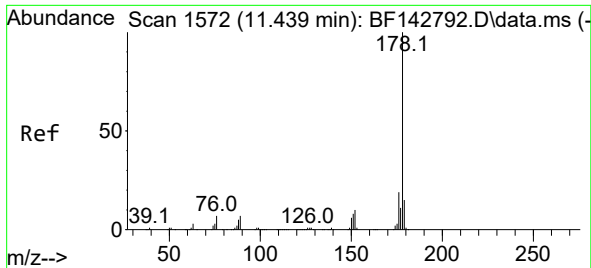
Ion Ratio Lower Upper

266 100

268 63.2 49.8 74.8

264 62.9 49.9 74.9

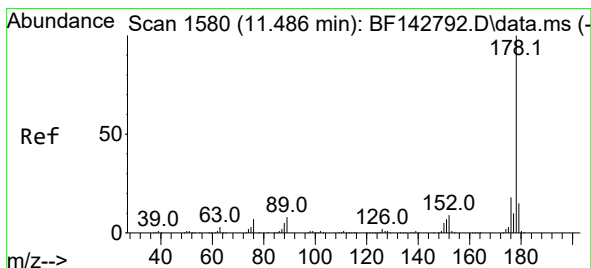
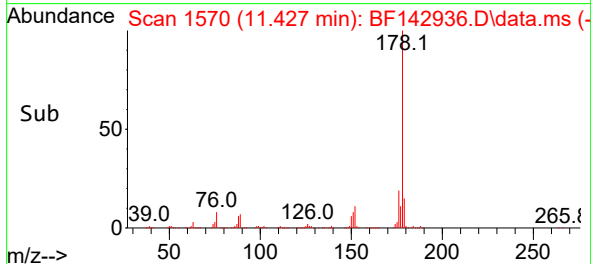
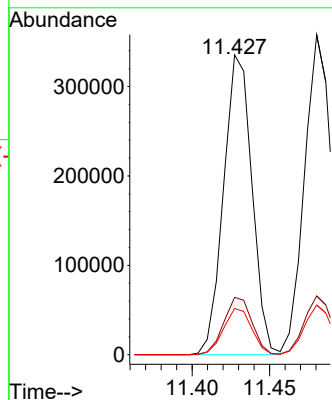
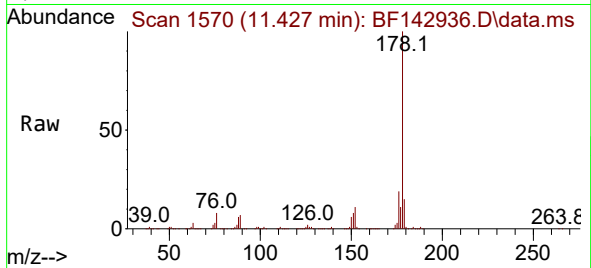




#71
Phenanthrene
Concen: 44.054 ng
RT: 11.427 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF142936.D
Acq: 01 Jul 2025 01:45

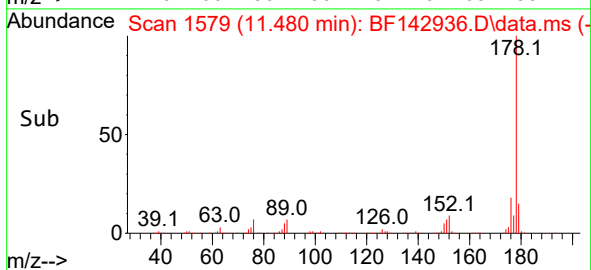
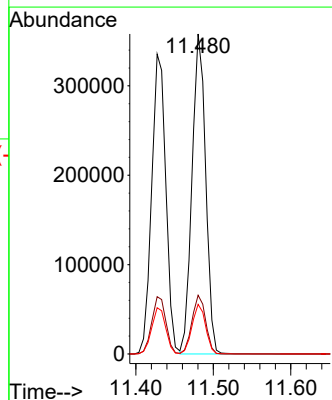
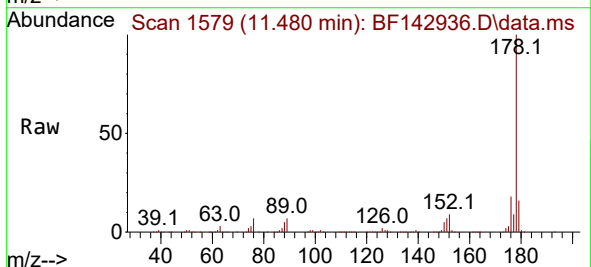
Instrument :
BNA_F
ClientSampleId :
EP-2MSD

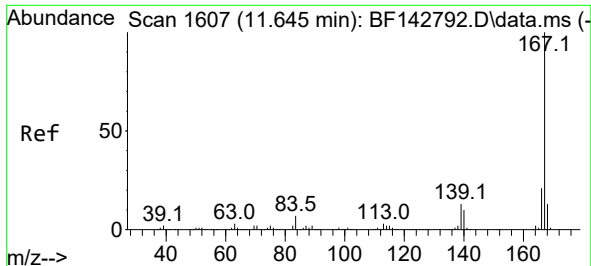
Tgt Ion:178 Resp: 427926
Ion Ratio Lower Upper
178 100
176 19.1 15.1 22.7
179 15.4 12.0 18.0



#72
Anthracene
Concen: 43.974 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF142936.D
Acq: 01 Jul 2025 01:45

Tgt Ion:178 Resp: 438083
Ion Ratio Lower Upper
178 100
176 18.4 14.6 21.8
179 15.5 12.4 18.6

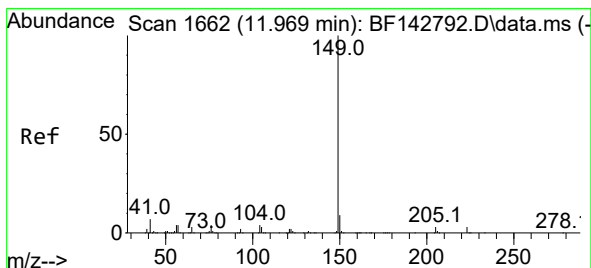
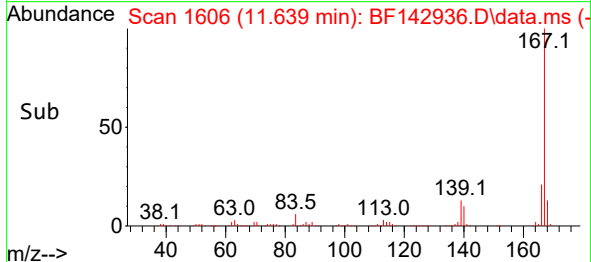
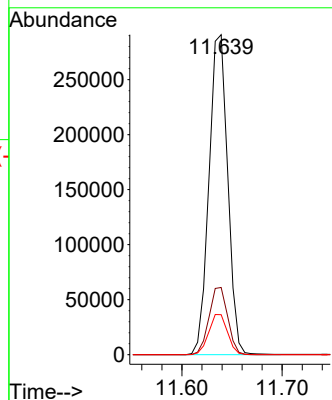
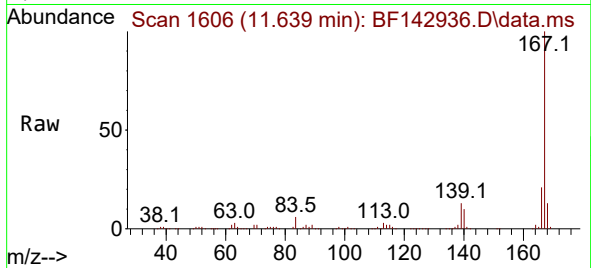




#73
 Carbazole
 Concen: 44.014 ng
 RT: 11.639 min Scan# 1606
 Delta R.T. -0.006 min
 Lab File: BF142936.D
 Acq: 01 Jul 2025 01:45

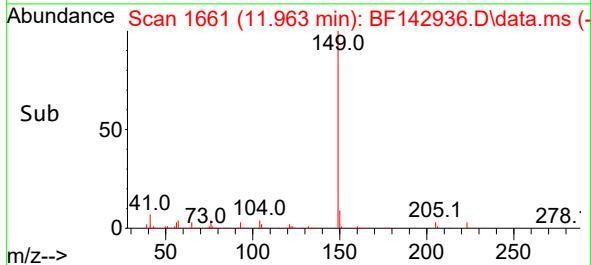
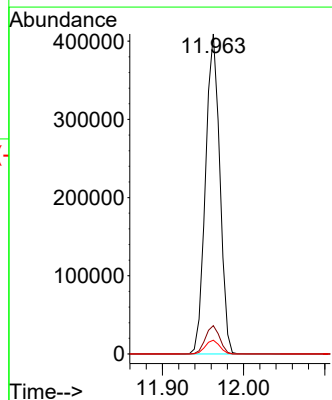
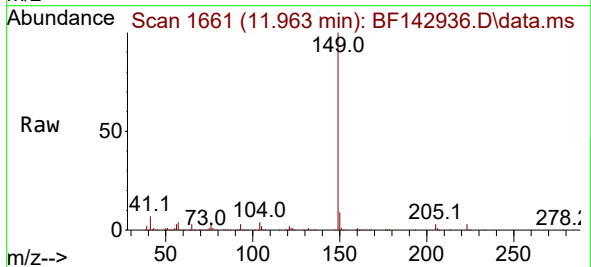
Instrument :
 BNA_F
 ClientSampleId :
 EP-2MSD

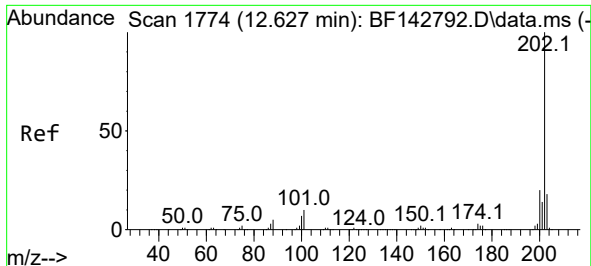
Tgt Ion:167 Resp: 378390
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.0 25.4
 139 12.5 10.2 15.2



#74
 Di-n-butylphthalate
 Concen: 55.614 ng
 RT: 11.963 min Scan# 1661
 Delta R.T. -0.006 min
 Lab File: BF142936.D
 Acq: 01 Jul 2025 01:45

Tgt Ion:149 Resp: 498081
 Ion Ratio Lower Upper
 149 100
 150 8.8 7.4 11.0
 104 4.3 3.5 5.3

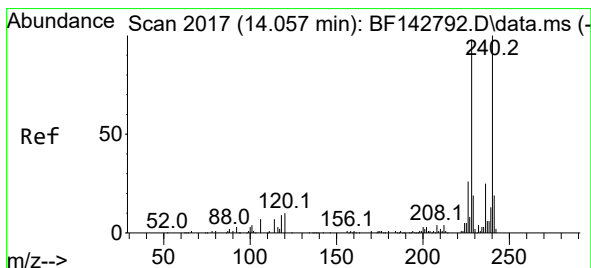
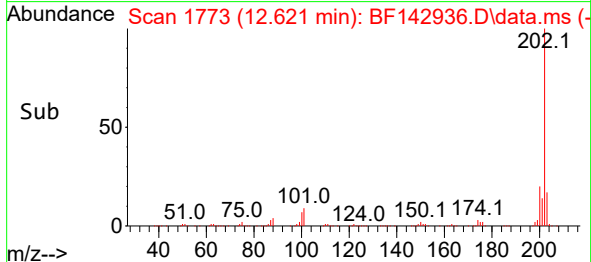
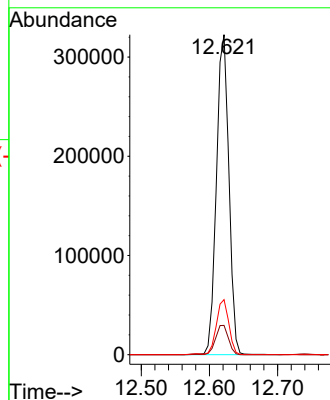
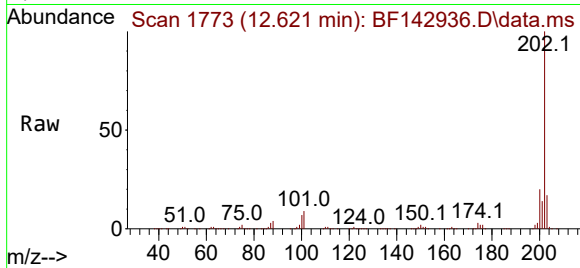




#75
Fluoranthene
Concen: 44.454 ng
RT: 12.621 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142936.D
Acq: 01 Jul 2025 01:45

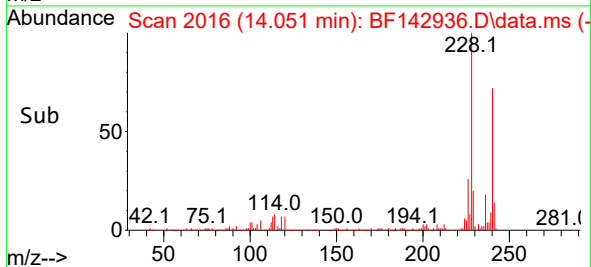
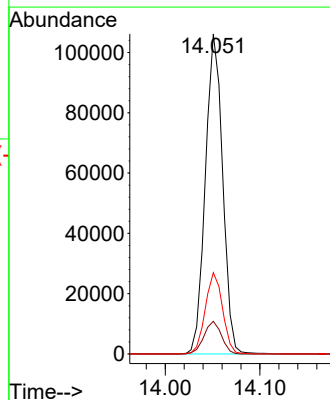
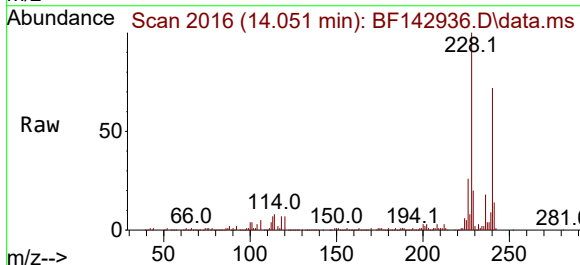
Instrument :
BNA_F
ClientSampleId :
EP-2MSD

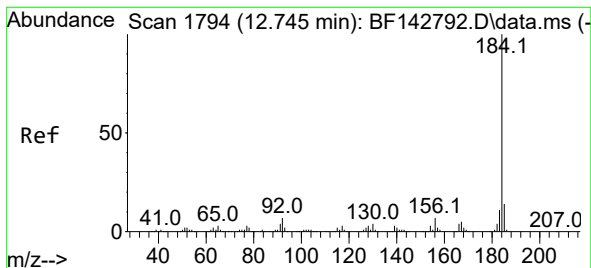
Tgt Ion:202 Resp: 409815
Ion Ratio Lower Upper
202 100
101 9.1 0.0 29.7
203 17.2 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142936.D
Acq: 01 Jul 2025 01:45

Tgt Ion:240 Resp: 134305
Ion Ratio Lower Upper
240 100
120 10.2 8.2 12.2
236 25.4 19.8 29.8





#77

Benzidine

Concen: 31.455 ng

RT: 12.739 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142936.D

Acq: 01 Jul 2025 01:45

Instrument :

BNA_F

ClientSampleId :

EP-2MSD

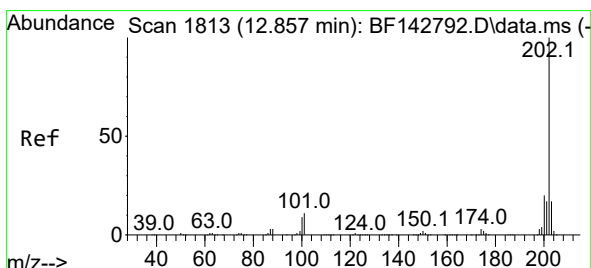
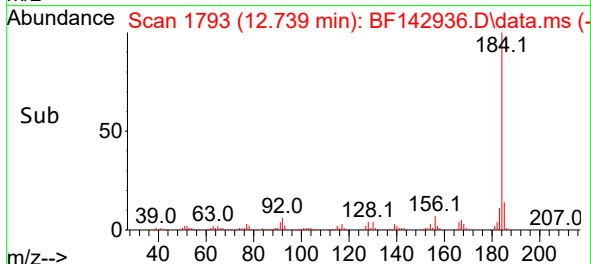
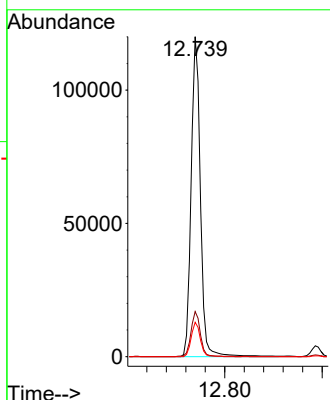
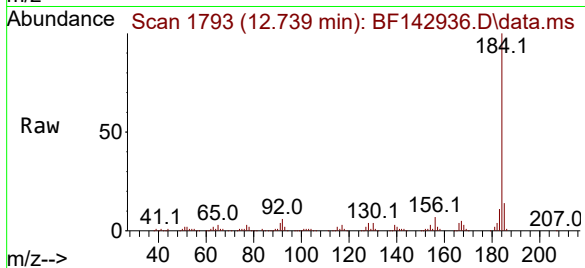
Tgt Ion:184 Resp: 158722

Ion Ratio Lower Upper

184 100

185 14.1 11.5 17.3

183 10.7 9.0 13.4



#78

Pyrene

Concen: 33.176 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF142936.D

Acq: 01 Jul 2025 01:45

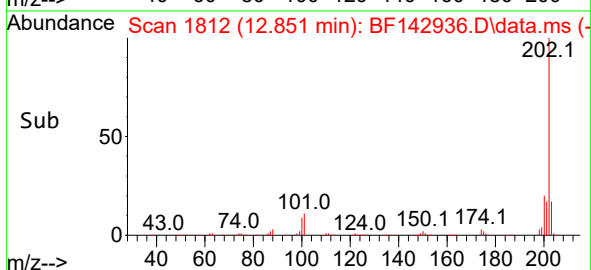
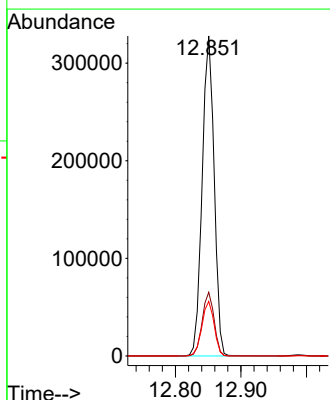
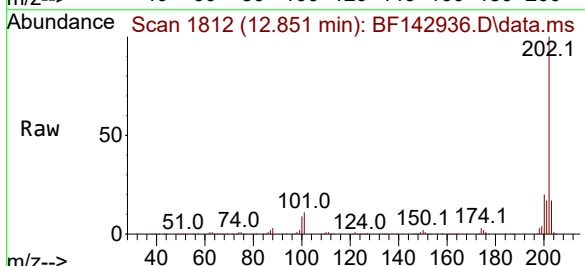
Tgt Ion:202 Resp: 417649

Ion Ratio Lower Upper

202 100

200 19.9 15.7 23.5

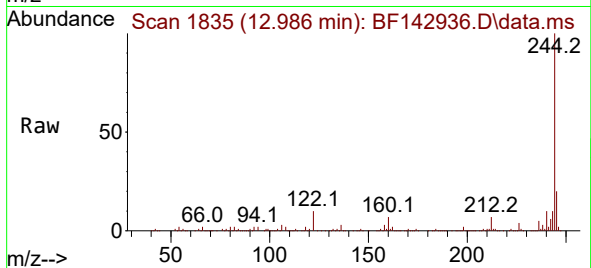
203 17.1 13.8 20.6



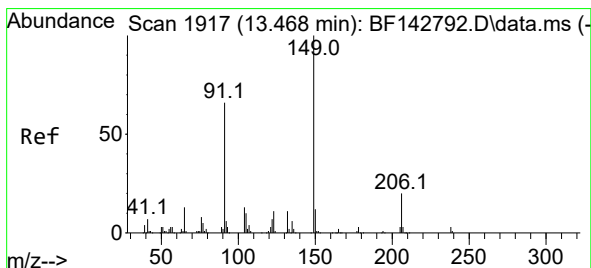
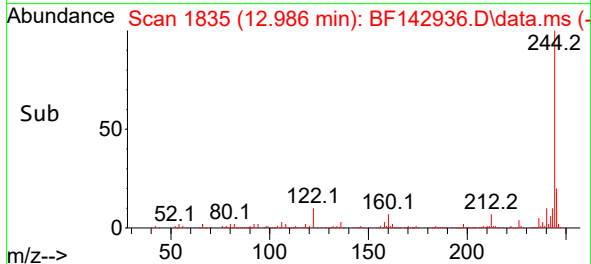
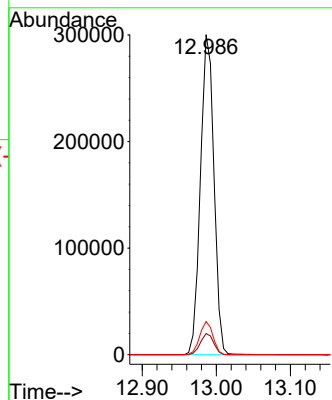


#79
 Terphenyl-d14
 Concen: 39.066 ng
 RT: 12.986 min Scan# 1835
 Delta R.T. -0.012 min
 Lab File: BF142936.D
 Acq: 01 Jul 2025 01:45

Instrument :
 BNA_F
 ClientSampleId :
 EP-2MSD

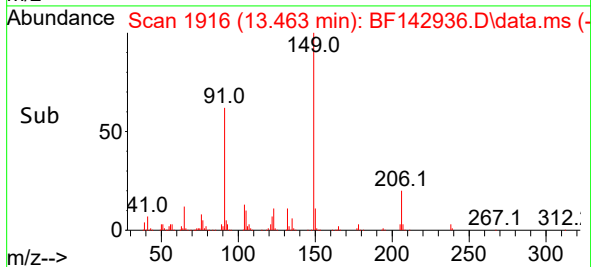
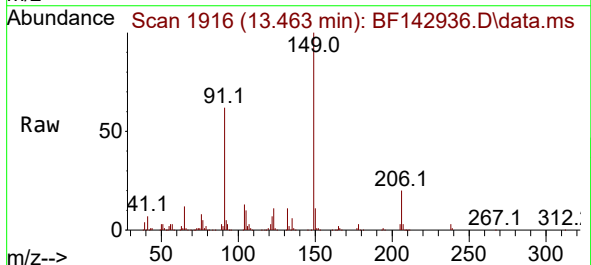
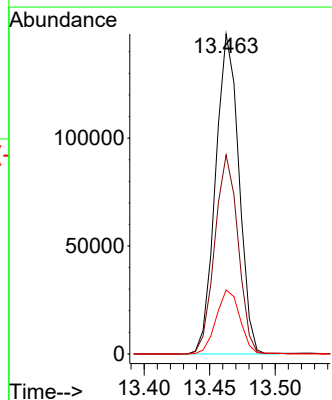


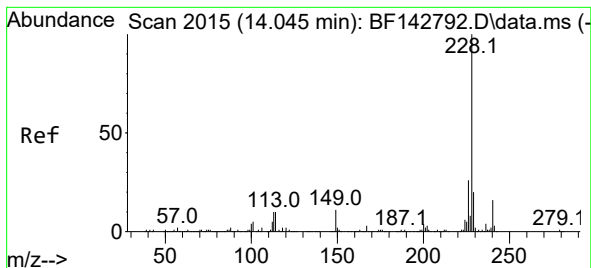
Tgt Ion:244 Resp: 379727
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 10.4 8.2 12.2



#80
 Butylbenzylphthalate
 Concen: 50.268 ng
 RT: 13.463 min Scan# 1916
 Delta R.T. -0.006 min
 Lab File: BF142936.D
 Acq: 01 Jul 2025 01:45

Tgt Ion:149 Resp: 183566
 Ion Ratio Lower Upper
 149 100
 91 62.2 52.9 79.3
 206 20.0 16.3 24.5





#81

Benzo(a)anthracene

Concen: 43.653 ng

RT: 14.039 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142936.D

Acq: 01 Jul 2025 01:45

Instrument :

BNA_F

ClientSampleId :

EP-2MSD

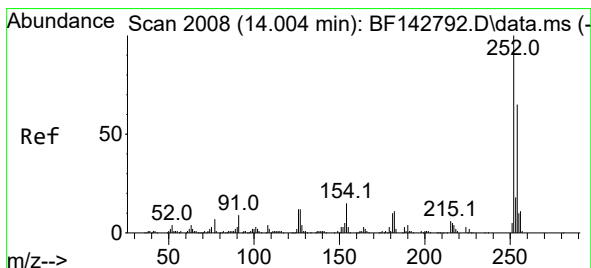
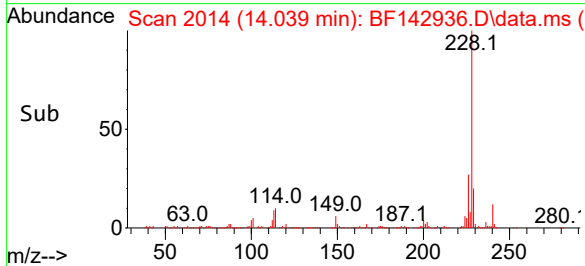
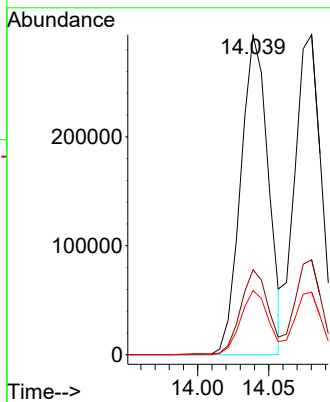
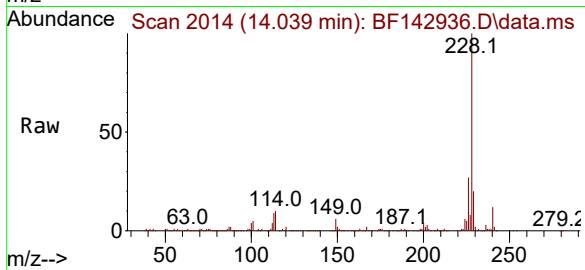
Tgt Ion:228 Resp: 395510

Ion Ratio Lower Upper

228 100

226 26.6 21.2 31.8

229 20.1 15.6 23.4



#82

3,3'-Dichlorobenzidine

Concen: 22.586 ng

RT: 13.998 min Scan# 2007

Delta R.T. -0.006 min

Lab File: BF142936.D

Acq: 01 Jul 2025 01:45

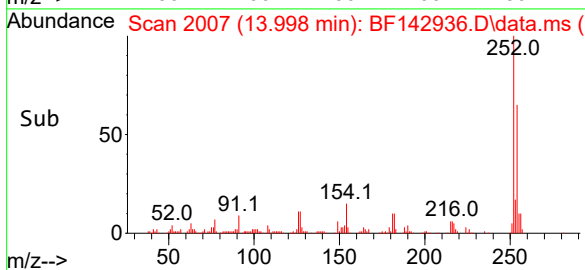
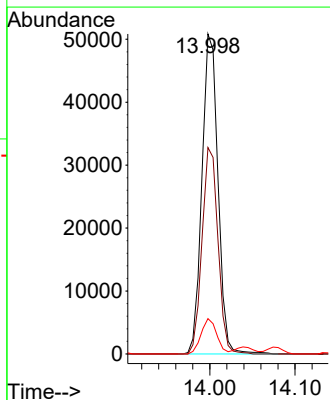
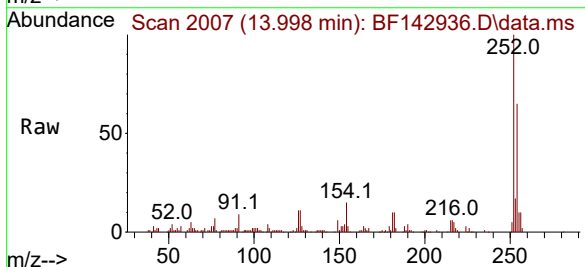
Tgt Ion:252 Resp: 66374

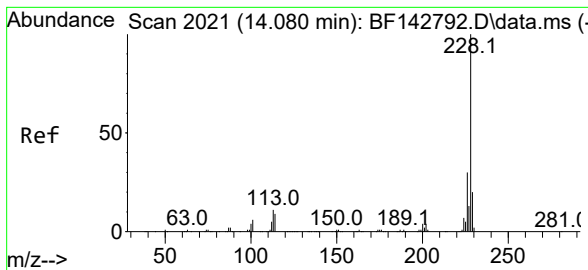
Ion Ratio Lower Upper

252 100

254 64.5 51.7 77.5

126 11.0 9.4 14.2





#83

Chrysene

Concen: 46.962 ng

RT: 14.080 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF142936.D

Acq: 01 Jul 2025 01:45

Instrument :

BNA_F

ClientSampleId :

EP-2MSD

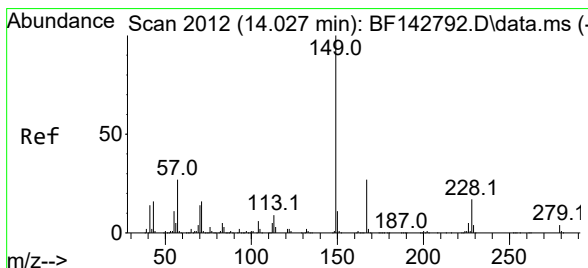
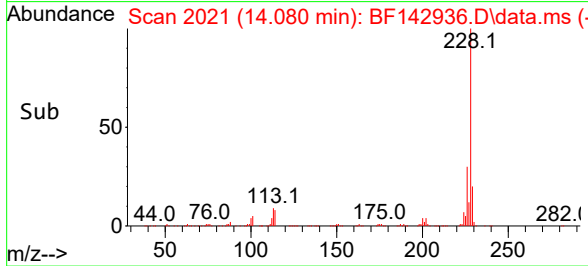
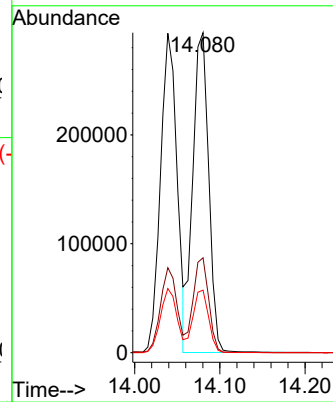
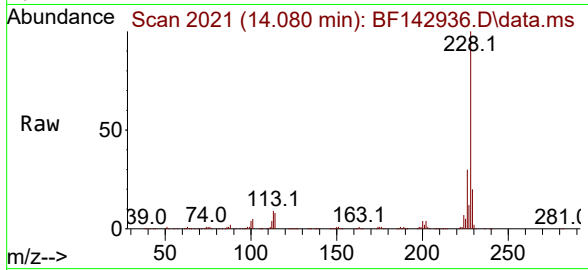
Tgt Ion:228 Resp: 379673

Ion Ratio Lower Upper

228 100

226 29.7 23.7 35.5

229 19.6 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 49.700 ng

RT: 14.021 min Scan# 2011

Delta R.T. -0.006 min

Lab File: BF142936.D

Acq: 01 Jul 2025 01:45

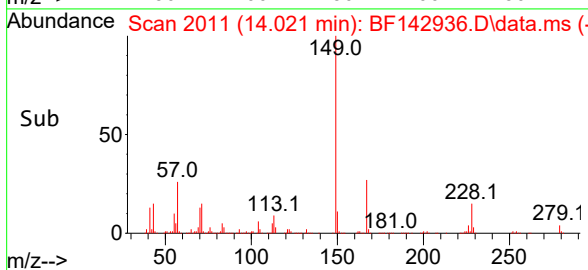
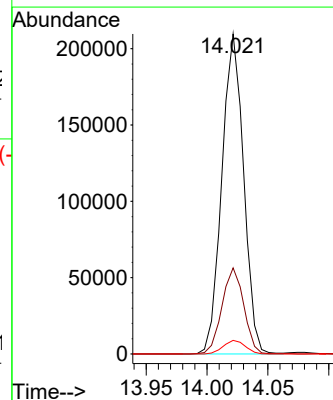
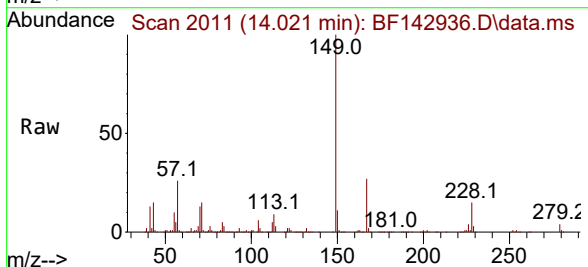
Tgt Ion:149 Resp: 261127

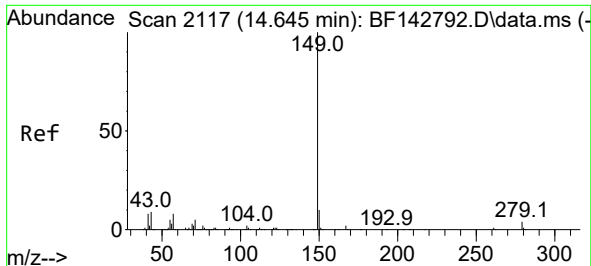
Ion Ratio Lower Upper

149 100

167 26.9 21.4 32.0

279 4.2 3.0 4.6

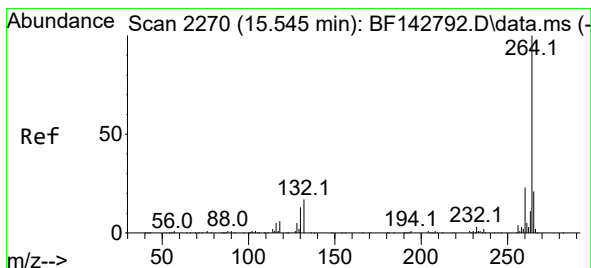
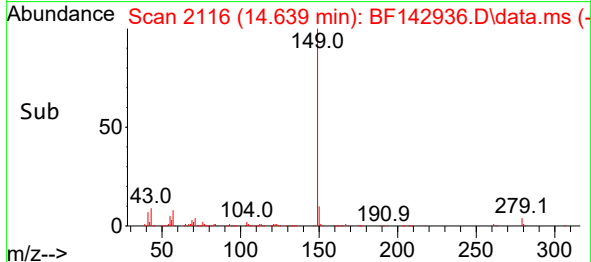
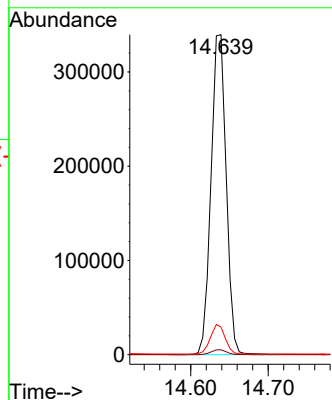
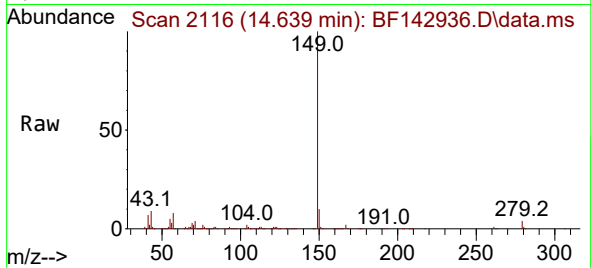




#85
Di-n-octyl phthalate
Concen: 46.709 ng
RT: 14.639 min Scan# 2117
Delta R.T. -0.006 min
Lab File: BF142936.D
Acq: 01 Jul 2025 01:45

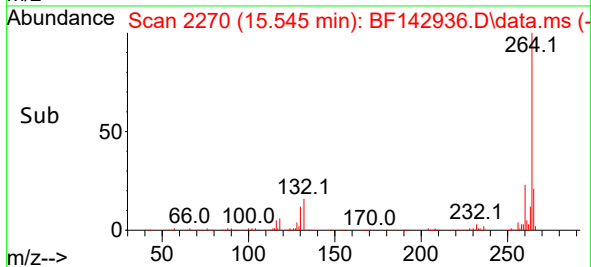
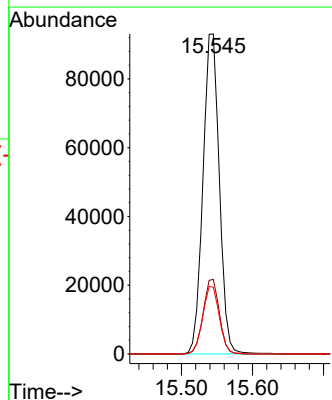
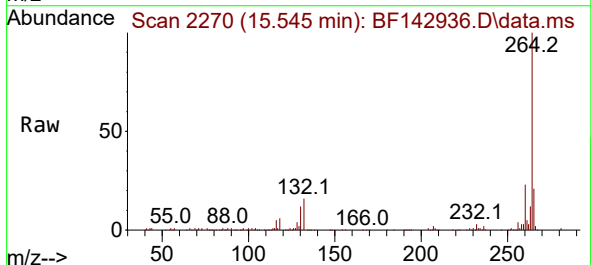
Instrument :
BNA_F
ClientSampleId :
EP-2MSD

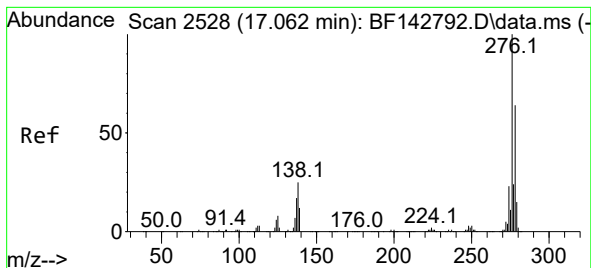
Tgt Ion:149 Resp: 462756
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 9.1 7.6 11.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142936.D
Acq: 01 Jul 2025 01:45

Tgt Ion:264 Resp: 149468
Ion Ratio Lower Upper
264 100
260 23.3 18.1 27.1
265 20.9 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 29.632 ng

RT: 17.051 min Scan# 2195

Delta R.T. -0.012 min

Lab File: BF142936.D

Acq: 01 Jul 2025 01:45

Instrument :

BNA_F

ClientSampleId :

EP-2MSD

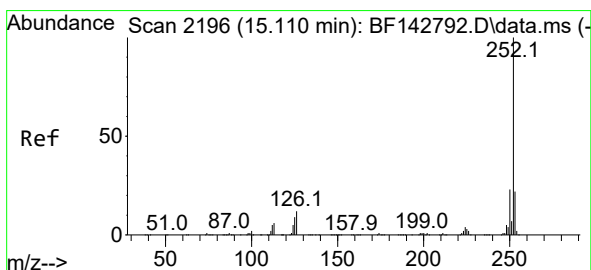
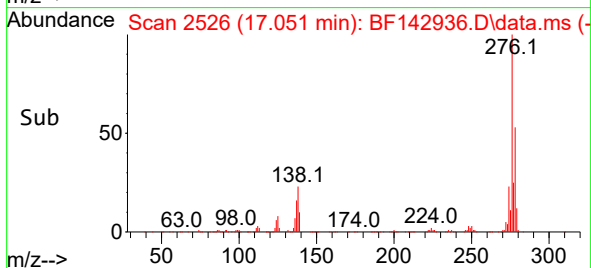
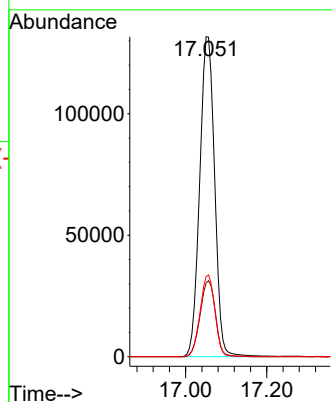
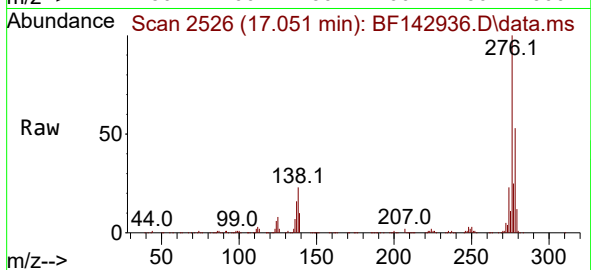
Tgt Ion:276 Resp: 337354

Ion Ratio Lower Upper

276 100

138 24.3 20.2 30.4

277 25.3 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 51.681 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF142936.D

Acq: 01 Jul 2025 01:45

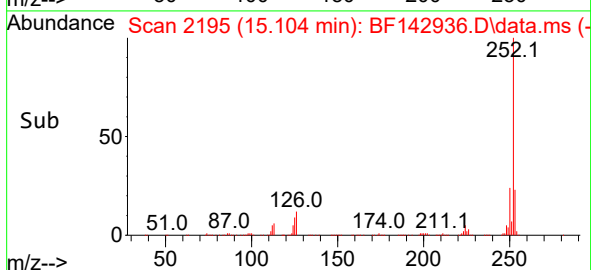
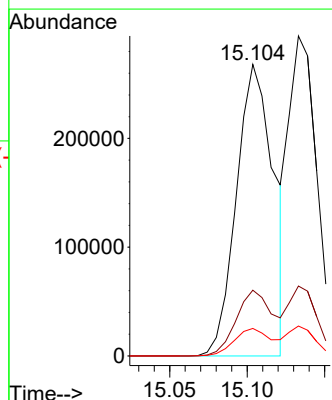
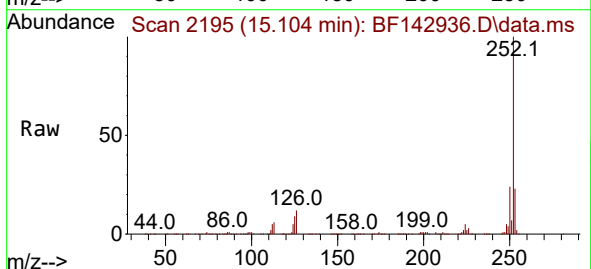
Tgt Ion:252 Resp: 446984

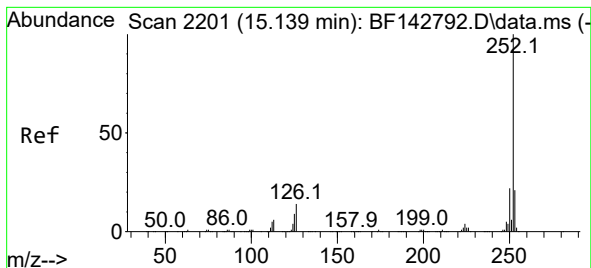
Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

125 9.5 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 46.254 ng

RT: 15.133 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142936.D

Acq: 01 Jul 2025 01:45

Instrument :

BNA_F

ClientSampleId :

EP-2MSD

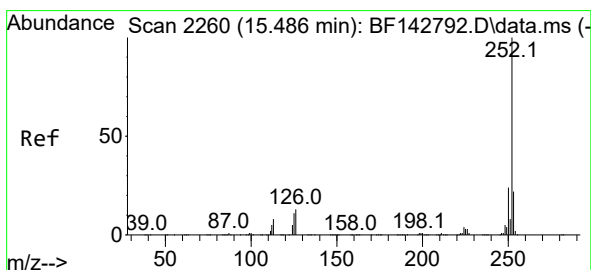
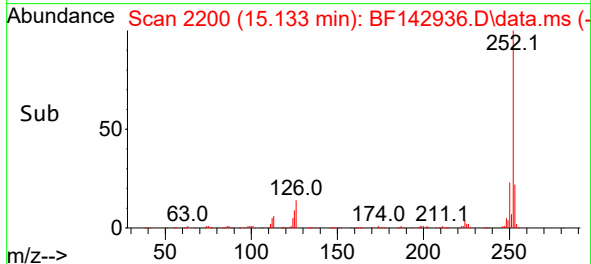
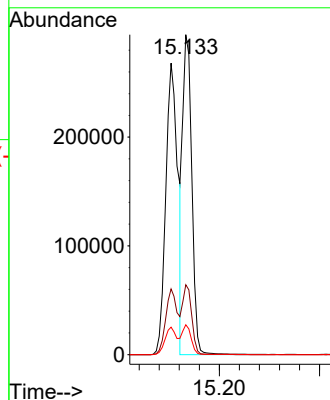
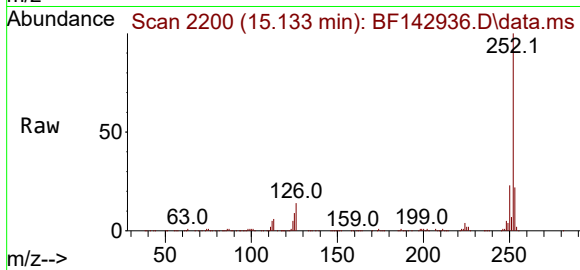
Tgt Ion:252 Resp: 374269

Ion Ratio Lower Upper

252 100

253 21.9 17.2 25.8

125 9.3 7.4 11.2



#90

Benzo(a)pyrene

Concen: 45.896 ng

RT: 15.480 min Scan# 2259

Delta R.T. -0.006 min

Lab File: BF142936.D

Acq: 01 Jul 2025 01:45

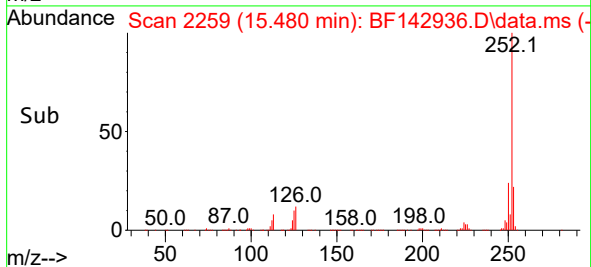
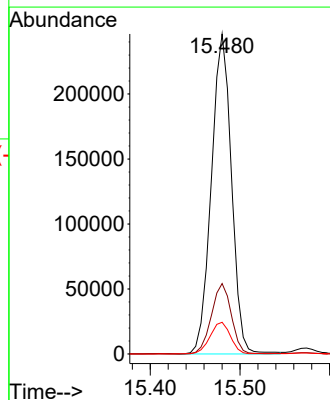
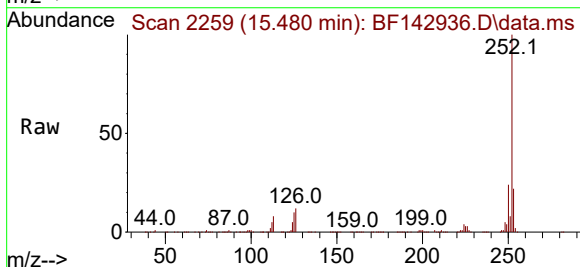
Tgt Ion:252 Resp: 383478

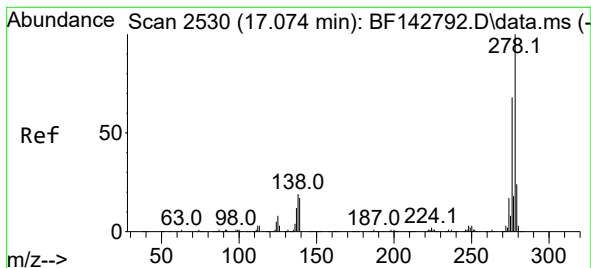
Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 9.9 8.6 12.8





#91

Dibenzo(a,h)anthracene

Concen: 30.455 ng

RT: 17.068 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142936.D

Acq: 01 Jul 2025 01:45

Instrument :

BNA_F

ClientSampleId :

EP-2MSD

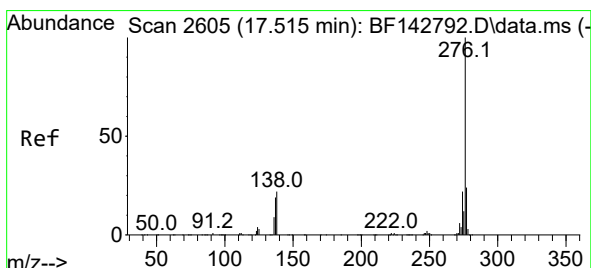
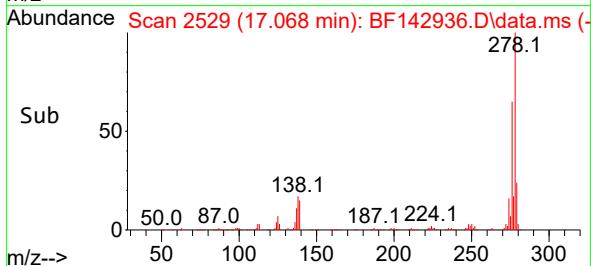
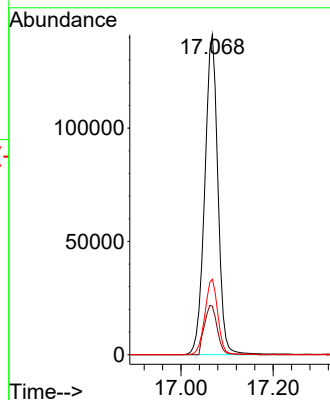
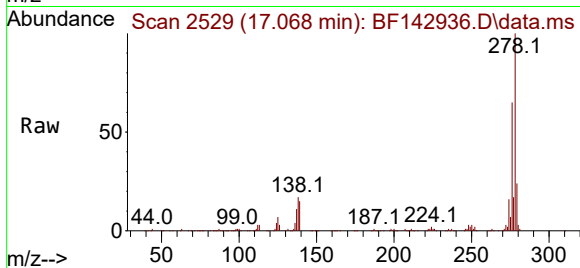
Tgt Ion:278 Resp: 281717

Ion Ratio Lower Upper

278 100

139 15.2 13.5 20.3

279 23.6 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 27.485 ng

RT: 17.509 min Scan# 2604

Delta R.T. -0.006 min

Lab File: BF142936.D

Acq: 01 Jul 2025 01:45

Tgt Ion:276 Resp: 253525

Ion Ratio Lower Upper

276 100

277 23.1 18.8 28.2

138 20.6 17.6 26.4

