

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070925\
 Data File : BF143061.D
 Acq On : 09 Jul 2025 17:30
 Operator : RC/JU
 Sample : Q2517-01MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-14MSD

Quant Time: Jul 09 17:54:11 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	6.869	152	49173	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	178050	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	87986	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	128612	20.000	ng	0.00
76) Chrysene-d12	14.051	240	92445	20.000	ng	0.00
86) Perylene-d12	15.551	264	117034	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	217592	73.673	ng	0.00
7) Phenol-d6	6.504	99	259678	74.523	ng	0.00
23) Nitrobenzene-d5	7.434	82	155950	48.043	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	61090	67.470	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	311592	46.522	ng	-0.01
79) Terphenyl-d14	12.986	244	224108	33.496	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.652	88	42915	36.328	ng	98
3) Pyridine	3.422	79	110831	37.424	ng	98
4) n-Nitrosodimethylamine	3.375	42	61138	39.922	ng	100
6) Aniline	6.534	93	127670	27.536	ng	# 86
8) 2-Chlorophenol	6.657	128	133053	41.762	ng	97
9) Benzaldehyde	6.422	77	87690	42.418	ng	100
10) Phenol	6.522	94	157093	40.558	ng	89
11) bis(2-Chloroethyl)ether	6.604	93	115455	41.706	ng	97
12) 1,3-Dichlorobenzene	6.810	146	148975	41.810	ng	100
13) 1,4-Dichlorobenzene	6.887	146	149347	41.544	ng	99
14) 1,2-Dichlorobenzene	7.039	146	143888	42.199	ng	99
15) Benzyl Alcohol	7.016	79	104184	41.358	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.145	45	166890	37.523	ng	88
17) 2-Methylphenol	7.128	107	100852	41.772	ng	99
18) Hexachloroethane	7.381	117	51282	40.784	ng	96
19) n-Nitroso-di-n-propyla...	7.281	70	84596	41.743	ng	97
20) 3+4-Methylphenols	7.281	107	127747	42.437	ng	# 88
22) Acetophenone	7.281	105	175702	44.750	ng	99
24) Nitrobenzene	7.457	77	125370	42.672	ng	98
25) Isophorone	7.692	82	218308	41.924	ng	99
26) 2-Nitrophenol	7.775	139	70614	44.121	ng	97
27) 2,4-Dimethylphenol	7.810	122	110749	39.949	ng	98
28) bis(2-Chloroethoxy)met...	7.904	93	137119	41.419	ng	99
29) 2,4-Dichlorophenol	8.016	162	107408	42.730	ng	98
30) 1,2,4-Trichlorobenzene	8.098	180	119274	43.152	ng	99
31) Naphthalene	8.181	128	372552	42.747	ng	99
32) Benzoic acid	7.898	122	3391	2.400	ng	93
33) 4-Chloroaniline	8.228	127	76813	21.675	ng	97
34) Hexachlorobutadiene	8.292	225	73363	43.391	ng	99
35) Caprolactam	8.592	113	25828	38.939	ng	98
36) 4-Chloro-3-methylphenol	8.716	107	103523	41.439	ng	98
37) 2-Methylnaphthalene	8.869	142	229201	42.420	ng	100
38) 1-Methylnaphthalene	8.969	142	238515	42.643	ng	99
40) 1,2,4,5-Tetrachloroben...	9.039	216	117379	45.212	ng	99
41) Hexachlorocyclopentadiene	9.022	237	85647	58.134	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	66141	39.097	ng	99

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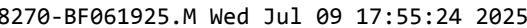
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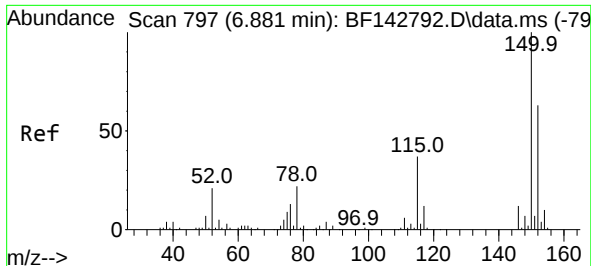
Quant Time: Jul 09 17:54:11 2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	69726	39.153	ng	99
46) 1,1'-Biphenyl	9.333	154	308555	44.394	ng	100
47) 2-Chloronaphthalene	9.363	162	232029	44.486	ng	99
48) 2-Nitroaniline	9.457	65	64108	43.841	ng	97
49) Acenaphthylene	9.775	152	377263	43.938	ng	99
50) Dimethylphthalate	9.633	163	248926	43.707	ng	100
51) 2,6-Dinitrotoluene	9.698	165	55958	44.739	ng	98
52) Acenaphthene	9.951	154	212662	40.594	ng	100
53) 3-Nitroaniline	9.869	138	40799	29.627	ng	98
54) 2,4-Dinitrophenol	9.992	184	16701	26.667	ng	95
55) Dibenzofuran	10.122	168	323306	43.038	ng	99
56) 4-Nitrophenol	10.039	139	52372	55.552	ng	98
57) 2,4-Dinitrotoluene	10.110	165	71054	42.768	ng	95
58) Fluorene	10.463	166	254958	43.457	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	49229	34.295	ng	96
60) Diethylphthalate	10.333	149	240572	43.081	ng	99
61) 4-Chlorophenyl-phenyle...	10.451	204	119342	42.628	ng	98
62) 4-Nitroaniline	10.486	138	51394	40.807	ng	98
63) Azobenzene	10.616	77	227625	45.607	ng	95
65) 4,6-Dinitro-2-methylph...	10.522	198	21130	27.162	ng	97
66) n-Nitrosodiphenylamine	10.575	169	211666	47.487	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	69611	47.557	ng	97
68) Hexachlorobenzene	11.016	284	75615	46.491	ng	97
69) Atrazine	11.098	200	56139	48.773	ng	99
70) Pentachlorophenol	11.216	266	36592	45.150	ng	97
71) Phenanthrene	11.427	178	313167	44.951	ng	100
72) Anthracene	11.480	178	319487	44.714	ng	100
73) Carbazole	11.639	167	267422	43.370	ng	99
74) Di-n-butylphthalate	11.957	149	303241	47.208	ng	100
75) Fluoranthene	12.621	202	273144	41.311	ng	99
77) Benzidine	12.745	184	103360	29.759	ng	99
78) Pyrene	12.851	202	269733	31.128	ng	100
80) Butylbenzylphthalate	13.463	149	101642	40.438	ng	97
81) Benzo(a)anthracene	14.045	228	274046	43.943	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	53410	26.404	ng	97
83) Chrysene	14.080	228	241689	43.431	ng	99
84) Bis(2-ethylhexyl)phtha...	14.021	149	133883	37.021	ng	99
85) Di-n-octyl phthalate	14.633	149	259655	38.077	ng	98
87) Indeno(1,2,3-cd)pyrene	17.068	276	316533	35.508	ng	98
88) Benzo(b)fluoranthene	15.110	252	299861	44.279	ng	100
89) Benzo(k)fluoranthene	15.139	252	295028	46.565	ng	100
90) Benzo(a)pyrene	15.486	252	294343	44.991	ng	100
91) Dibenzo(a,h)anthracene	17.080	278	258572	35.699	ng	98
92) Benzo(g,h,i)perylene	17.527	276	236028	32.679	ng	98

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

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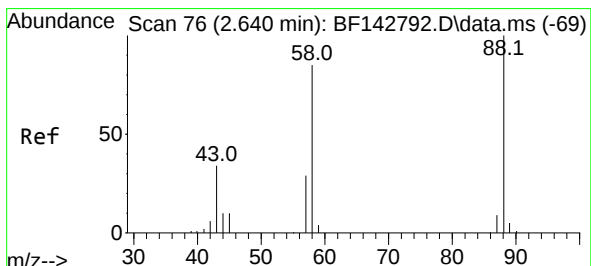
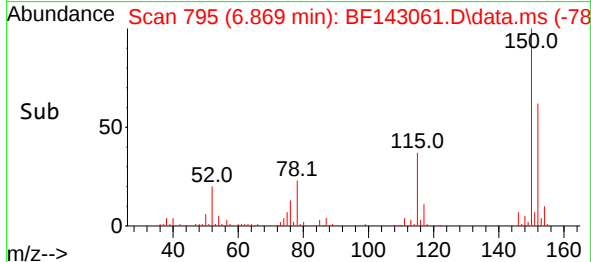
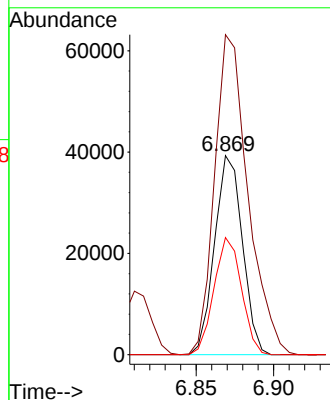
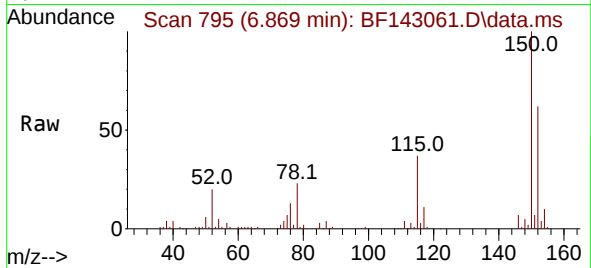




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.869 min Scan# 79
 Delta R.T. -0.012 min
 Lab File: BF143061.D
 Acq: 09 Jul 2025 17:30

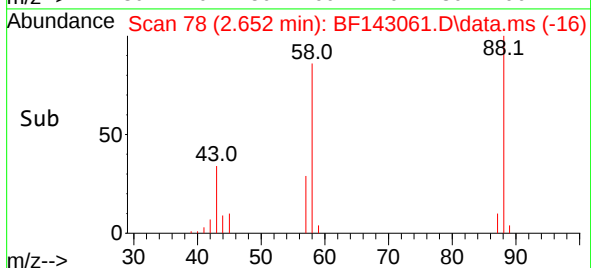
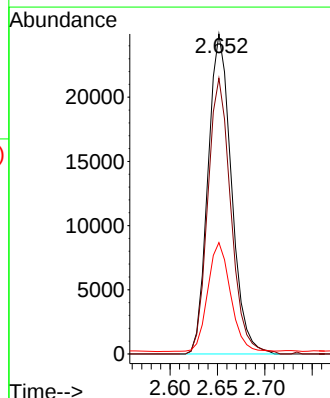
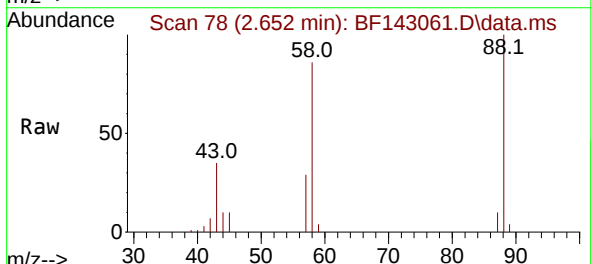
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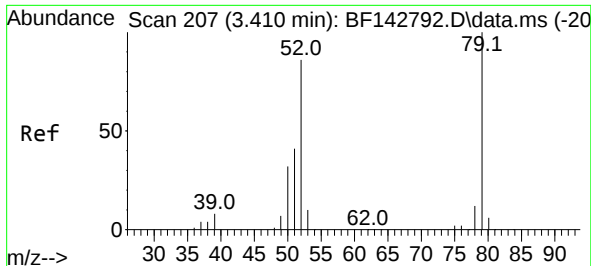
Tgt Ion:152 Resp: 49173
 Ion Ratio Lower Upper
 152 100
 150 160.8 127.2 190.8
 115 58.9 46.6 69.8



#2
 1,4-Dioxane
 Concen: 36.328 ng
 RT: 2.652 min Scan# 78
 Delta R.T. 0.012 min
 Lab File: BF143061.D
 Acq: 09 Jul 2025 17:30

Tgt Ion: 88 Resp: 42915
 Ion Ratio Lower Upper
 88 100
 58 84.8 69.1 103.7
 43 32.8 27.4 41.2





#3

Pyridine

Concen: 37.424 ng

RT: 3.422 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

Instrument :

BNA_F

ClientSampleId :

TP-14MSD

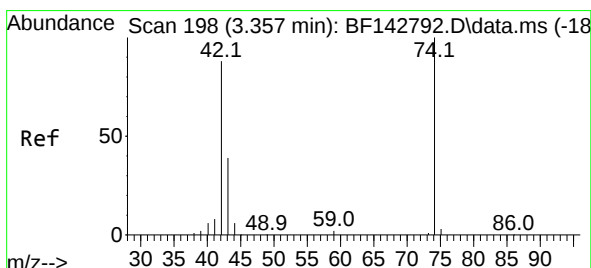
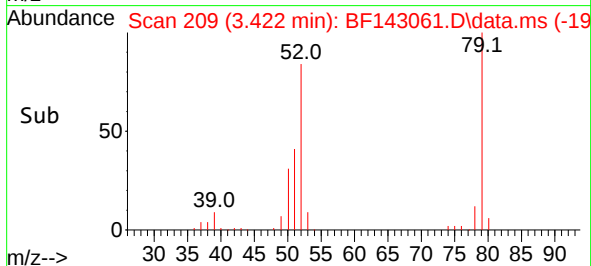
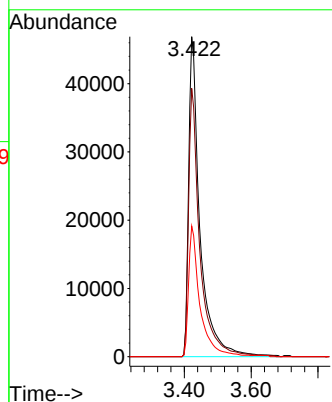
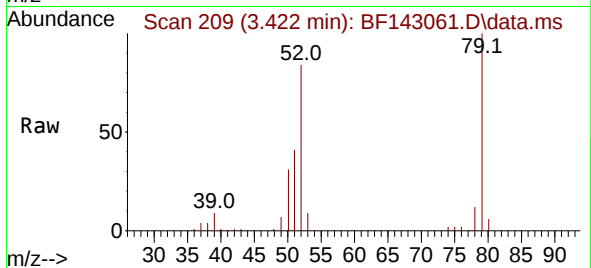
Tgt Ion: 79 Resp: 110831

Ion Ratio Lower Upper

79 100

52 83.9 69.2 103.8

51 40.8 33.2 49.8



#4

n-Nitrosodimethylamine

Concen: 39.922 ng

RT: 3.375 min Scan# 201

Delta R.T. 0.018 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

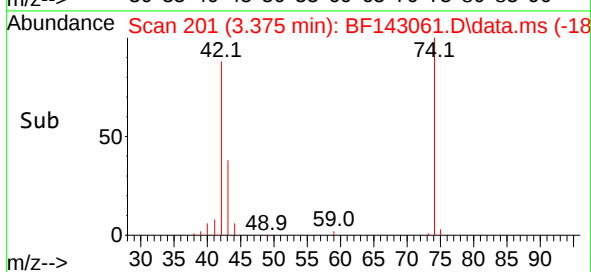
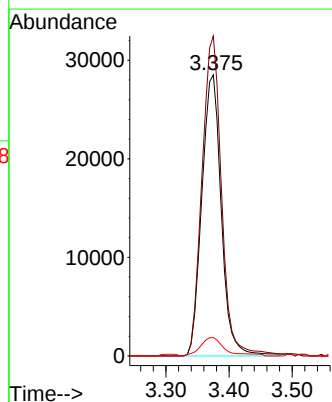
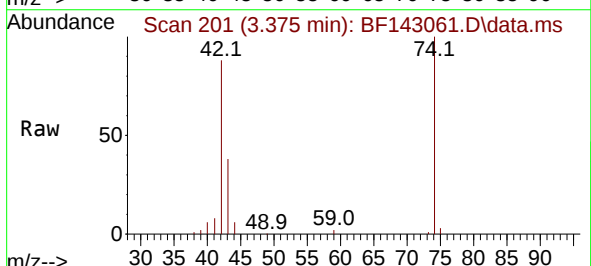
Tgt Ion: 42 Resp: 61138

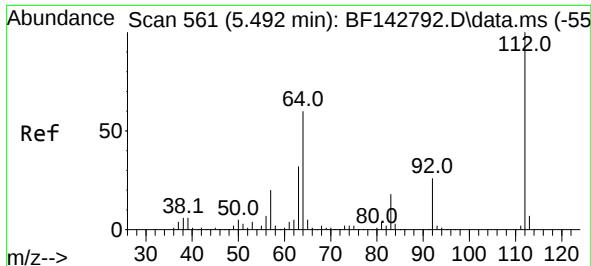
Ion Ratio Lower Upper

42 100

74 113.8 90.9 136.3

44 6.6 5.8 8.6

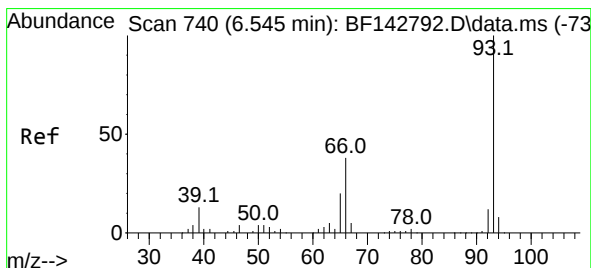
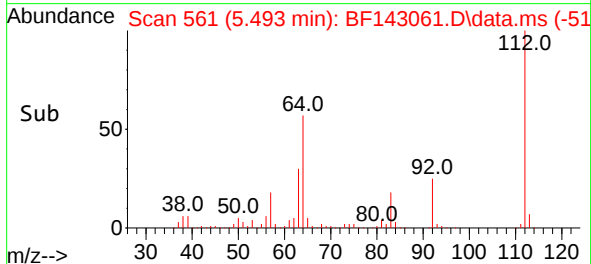
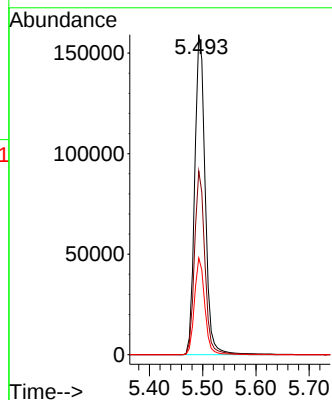
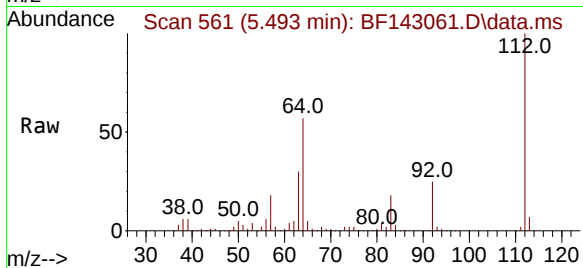




#5
2-Fluorophenol
Concen: 73.673 ng
RT: 5.493 min Scan# 501
Delta R.T. 0.001 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

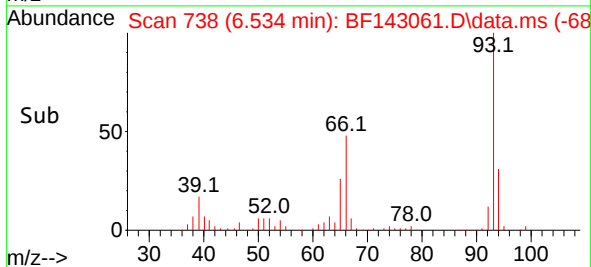
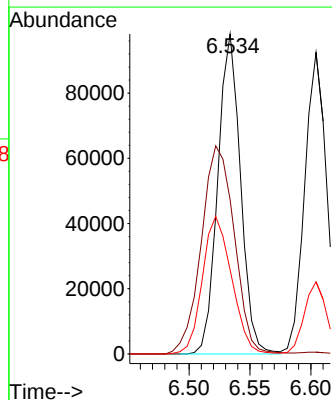
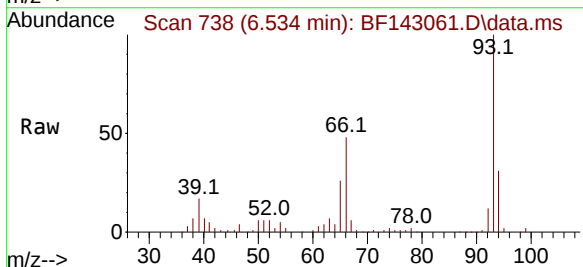
Instrument :
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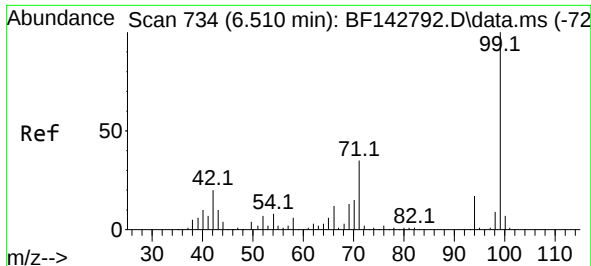
Tgt Ion:112 Resp: 217592
Ion Ratio Lower Upper
112 100
64 57.4 48.2 72.2
63 30.2 25.7 38.5



#6
Aniline
Concen: 27.536 ng
RT: 6.534 min Scan# 738
Delta R.T. -0.012 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

Tgt Ion: 93 Resp: 127670
Ion Ratio Lower Upper
93 100
66 48.2 31.8 47.6#
65 26.2 16.2 24.2#

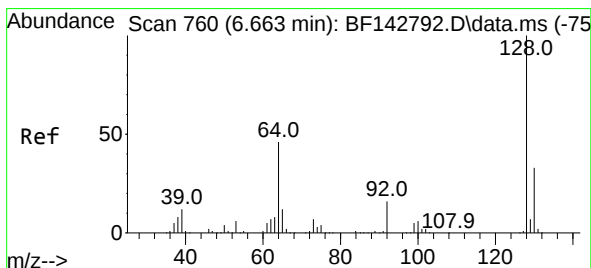
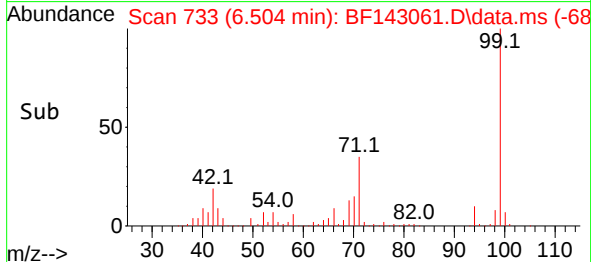
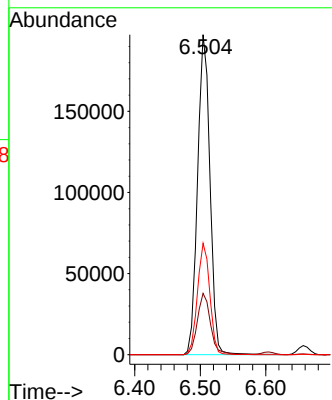
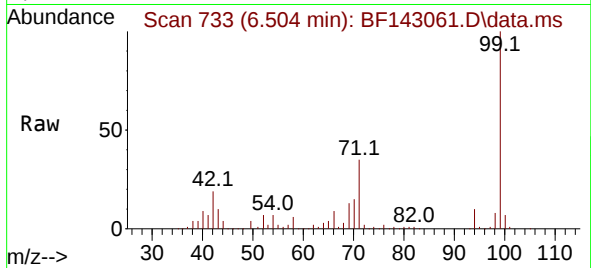




#7
Phenol-d6
Concen: 74.523 ng
RT: 6.504 min Scan# 711
Delta R.T. -0.006 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

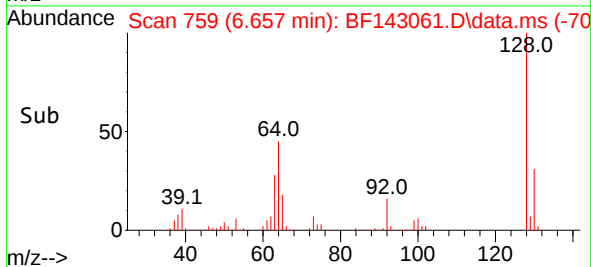
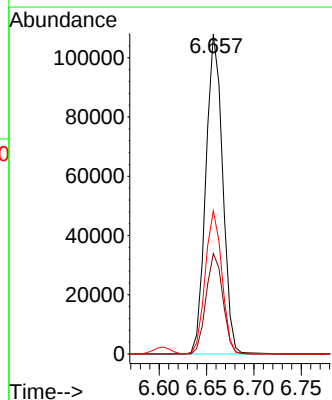
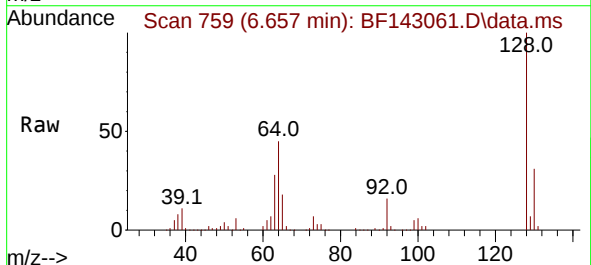
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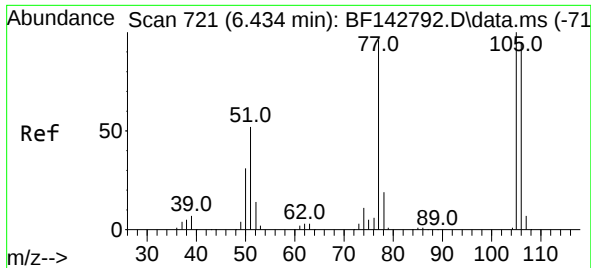
Tgt Ion: 99 Resp: 259678
Ion Ratio Lower Upper
99 100
42 19.1 15.9 23.9
71 34.8 27.8 41.8



#8
2-Chlorophenol
Concen: 41.762 ng
RT: 6.657 min Scan# 759
Delta R.T. -0.006 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

Tgt Ion: 128 Resp: 133053
Ion Ratio Lower Upper
128 100
130 31.3 12.7 52.7
64 44.7 26.5 66.5





#9

Benzaldehyde

Concen: 42.418 ng

RT: 6.422 min Scan# 719

Delta R.T. -0.012 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

Instrument :

BNA_F

ClientSampleId :

TP-14MSD

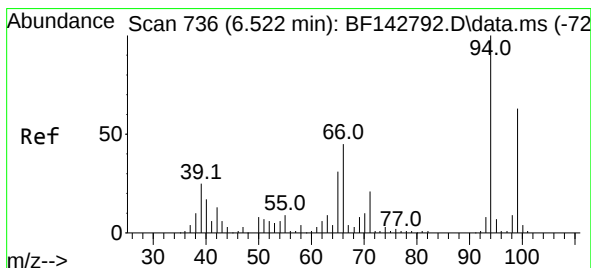
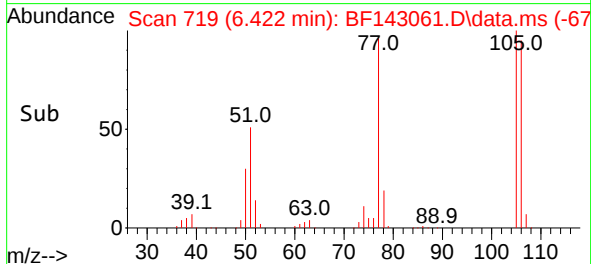
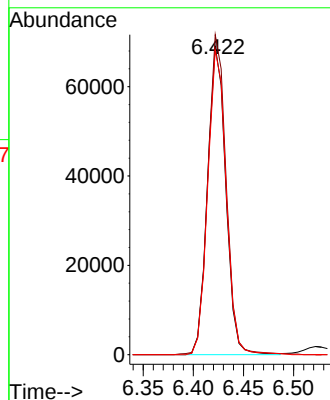
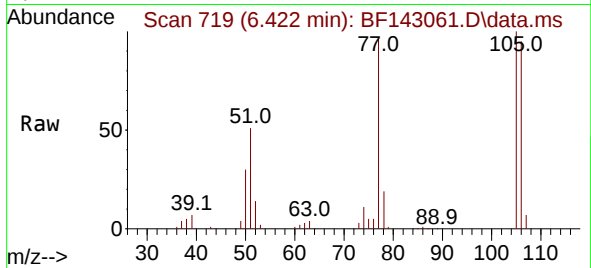
Tgt Ion: 77 Resp: 87690

Ion Ratio Lower Upper

77 100

105 103.7 83.8 123.8

106 98.8 78.7 118.7



#10

Phenol

Concen: 40.558 ng

RT: 6.522 min Scan# 736

Delta R.T. 0.000 min

Lab File: BF143061.D

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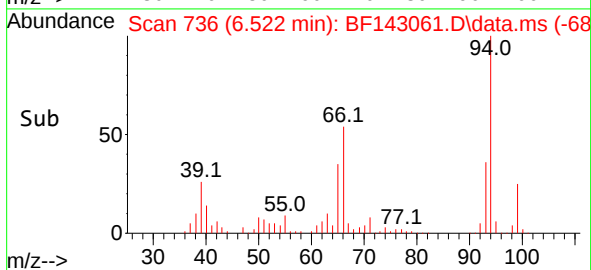
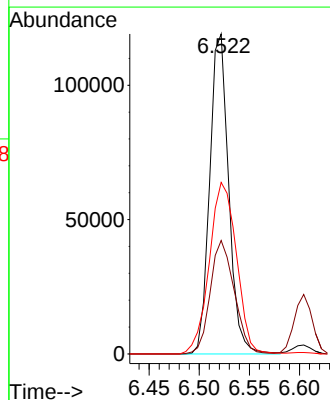
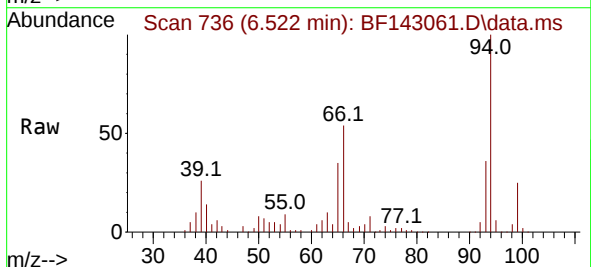
Tgt Ion: 94 Resp: 157093

Ion Ratio Lower Upper

94 100

65 35.4 11.3 51.3

66 53.6 24.9 64.9





#11

bis(2-Chloroethyl)ether

Concen: 41.706 ng

RT: 6.604 min Scan# 750

Delta R.T. -0.012 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

Instrument :

BNA_F

ClientSampleId :

TP-14MSD

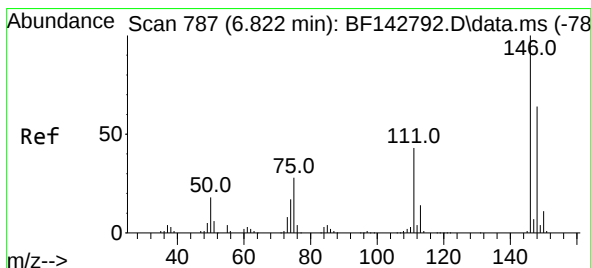
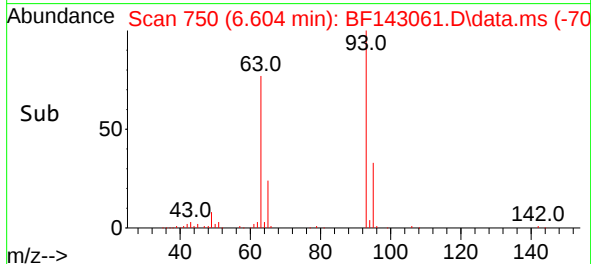
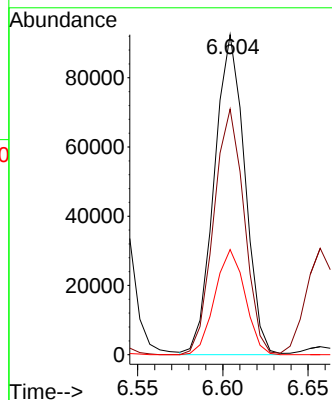
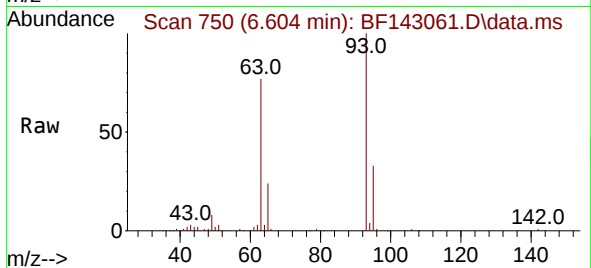
Tgt Ion: 93 Resp: 115455

Ion Ratio Lower Upper

93 100

63 76.7 60.3 100.3

95 32.9 12.5 52.5



#12

1,3-Dichlorobenzene

Concen: 41.810 ng

RT: 6.810 min Scan# 785

Delta R.T. -0.012 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

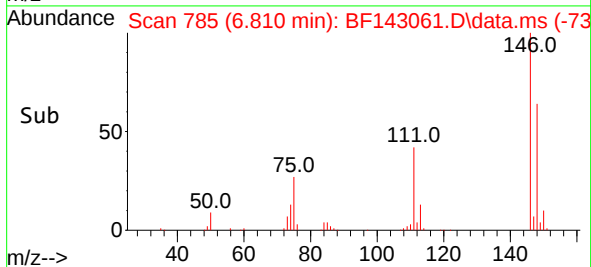
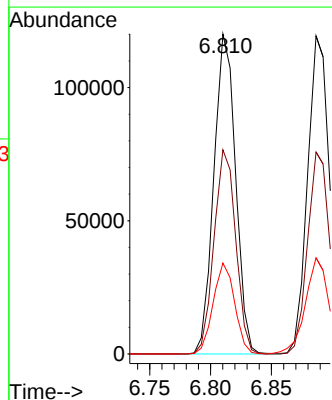
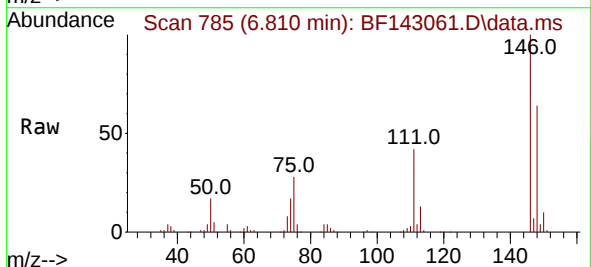
Tgt Ion:146 Resp: 148975

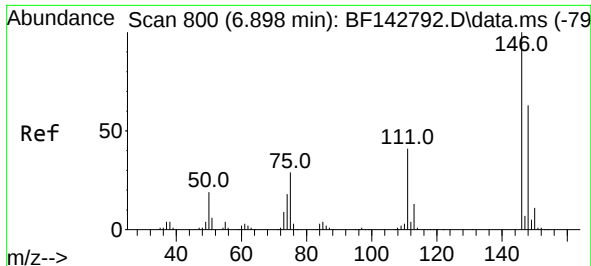
Ion Ratio Lower Upper

146 100

148 63.8 51.1 76.7

75 28.4 22.7 34.1





#13

1,4-Dichlorobenzene

Concen: 41.544 ng

RT: 6.887 min Scan# 79

Delta R.T. -0.012 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

Instrument :

BNA_F

ClientSampleId :

TP-14MSD

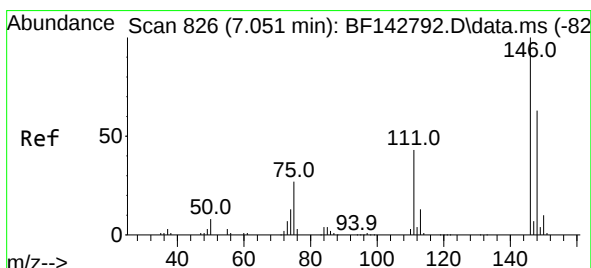
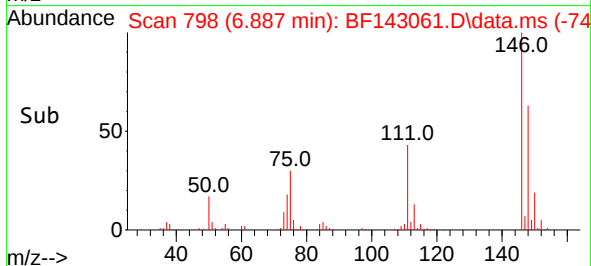
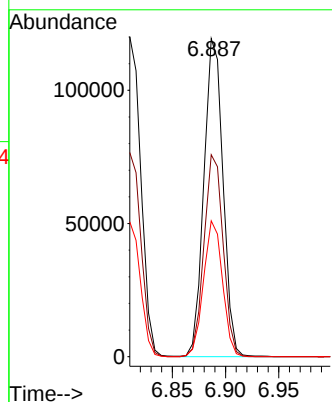
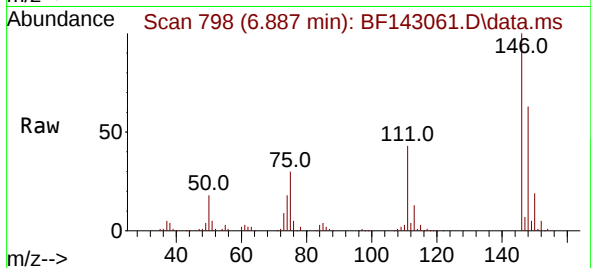
Tgt Ion:146 Resp: 149347

Ion Ratio Lower Upper

146 100

148 63.5 50.2 75.2

111 42.7 33.2 49.8



#14

1,2-Dichlorobenzene

Concen: 42.199 ng

RT: 7.039 min Scan# 824

Delta R.T. -0.012 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

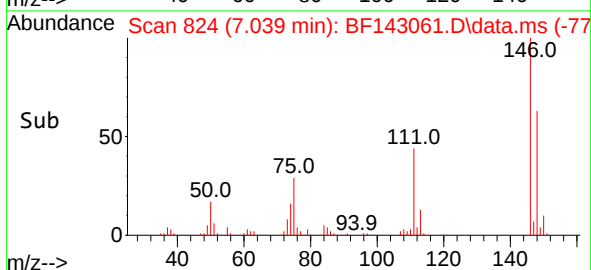
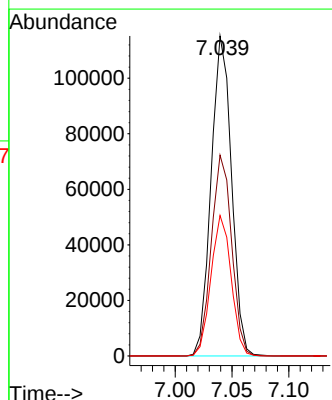
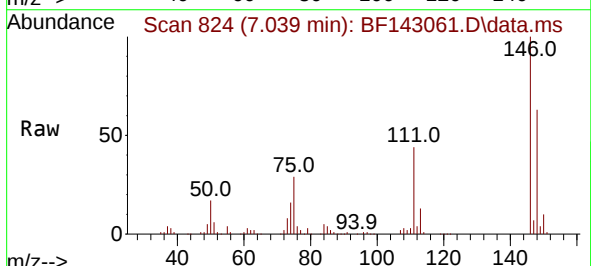
Tgt Ion:146 Resp: 143888

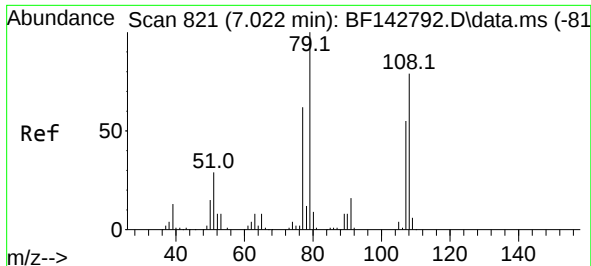
Ion Ratio Lower Upper

146 100

148 62.7 50.4 75.6

111 43.9 34.1 51.1



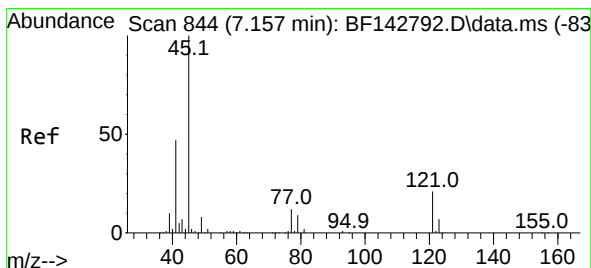
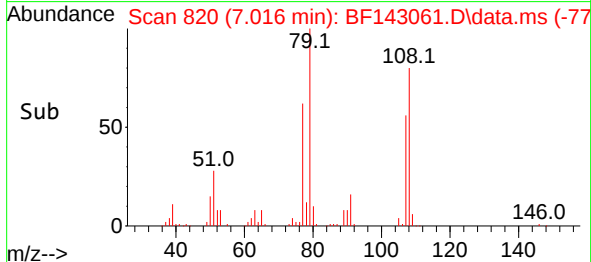
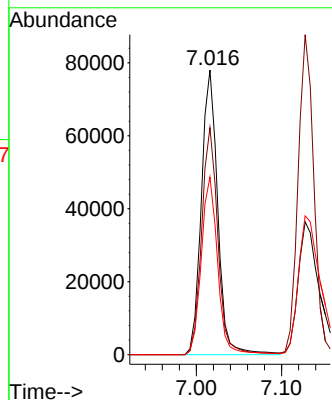
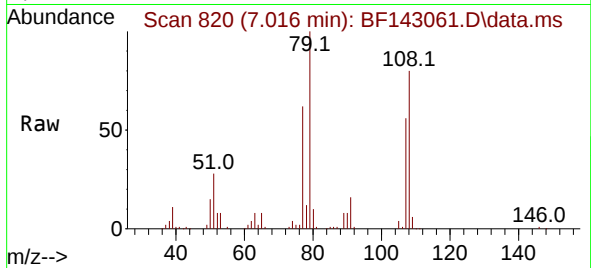


#15
Benzyl Alcohol
Concen: 41.358 ng
RT: 7.016 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

Instrument :
BNA_F
ClientSampleId :
TP-14MSD

Tgt Ion: 79 Resp: 104184

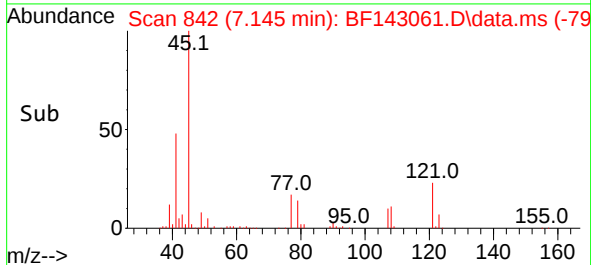
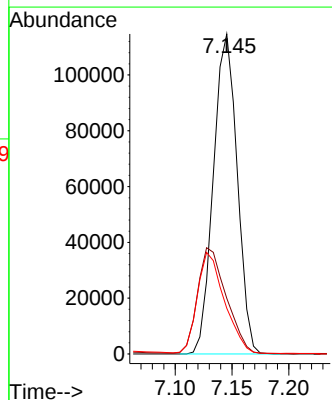
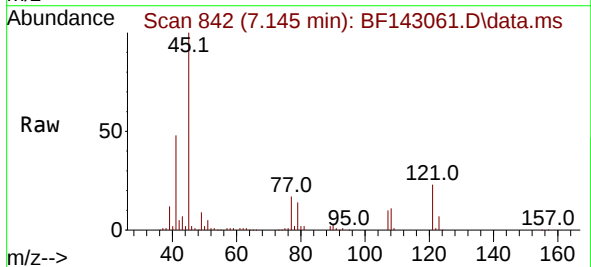
Ion	Ratio	Lower	Upper
79	100		
108	79.7	63.4	95.0
77	62.4	49.5	74.3

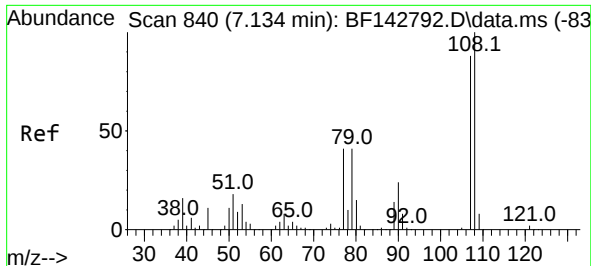


#16
2,2'-oxybis(1-chloropropane)
Concen: 37.523 ng
RT: 7.145 min Scan# 842
Delta R.T. -0.012 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

Tgt Ion: 45 Resp: 166890

Ion	Ratio	Lower	Upper
45	100		
77	17.4	0.0	32.8
79	14.3	0.0	29.8



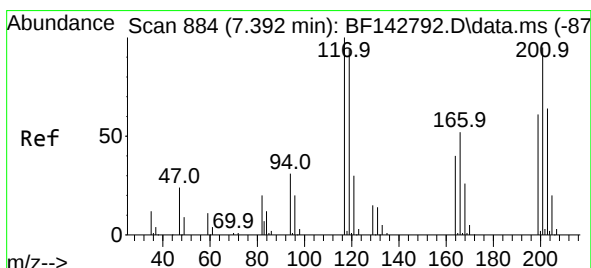
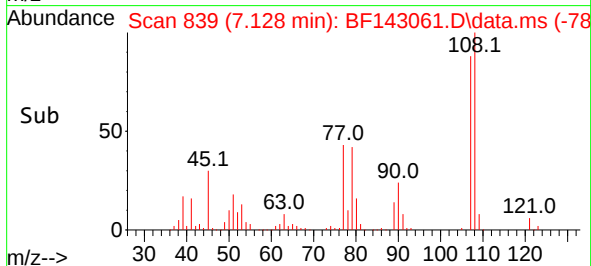
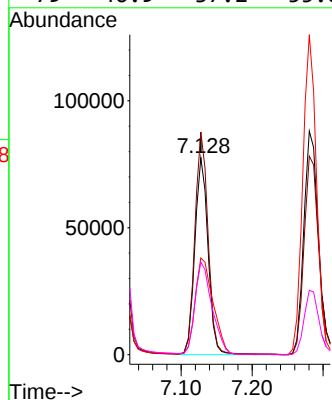
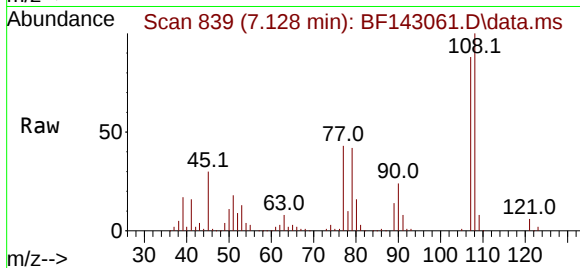


#17
2-Methylphenol
Concen: 41.772 ng
RT: 7.128 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

Instrument :
BNA_F
ClientSampleId :
TP-14MSD

Tgt Ion:107 Resp: 100852

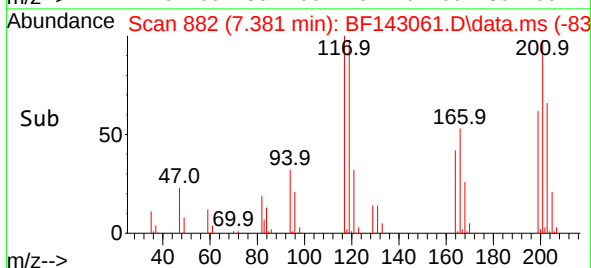
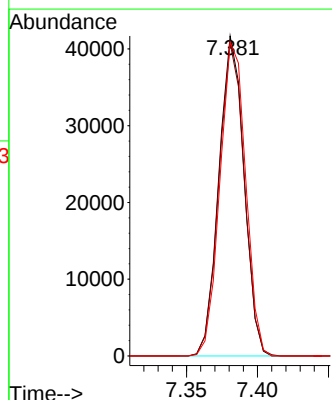
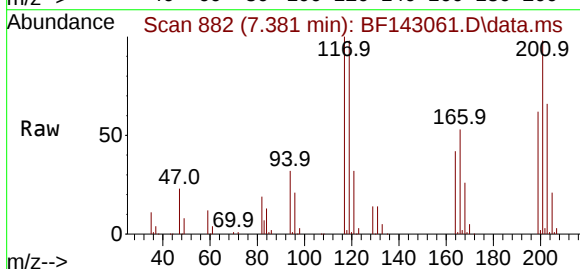
Ion	Ratio	Lower	Upper
107	100		
108	113.1	90.9	136.3
77	49.1	37.3	55.9
79	46.9	37.2	55.8



#18
Hexachloroethane
Concen: 40.784 ng
RT: 7.381 min Scan# 882
Delta R.T. -0.012 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

Tgt Ion:117 Resp: 51282

Ion	Ratio	Lower	Upper
117	100		
119	97.8	75.4	113.0
201	98.1	75.9	113.9

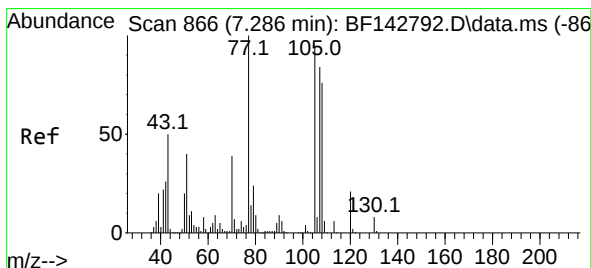
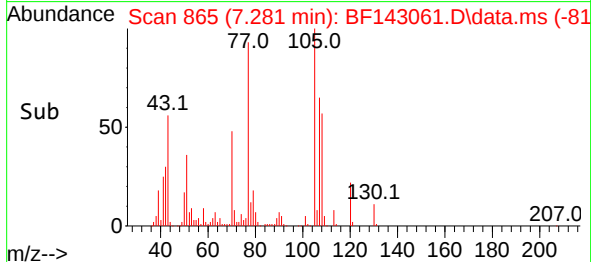
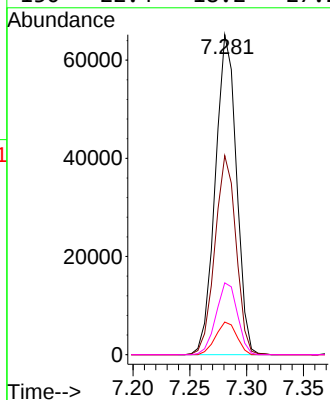
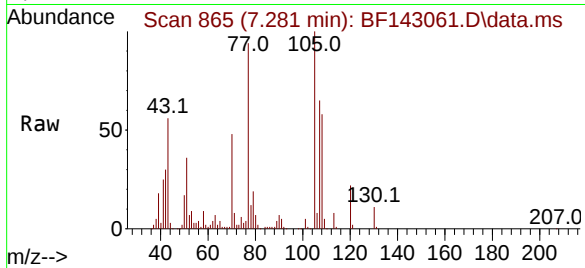




#19
n-Nitroso-di-n-propylamine
Concen: 41.743 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.012 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

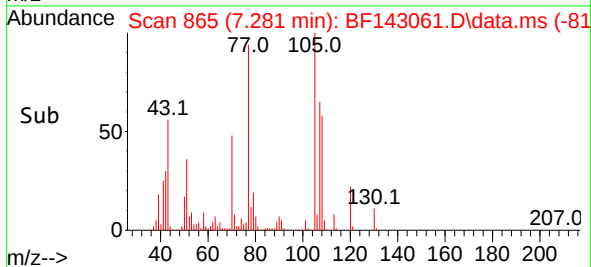
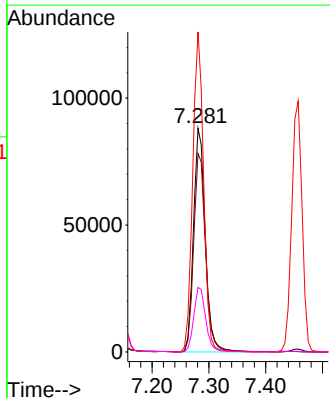
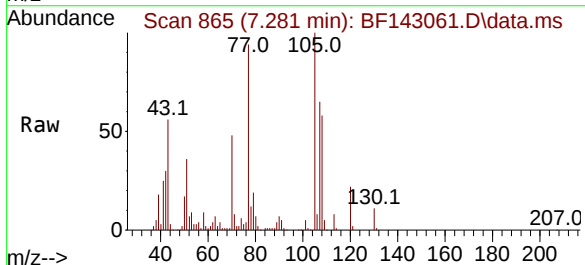
Instrument :
BNA_F
ClientSampleId :
TP-14MSD

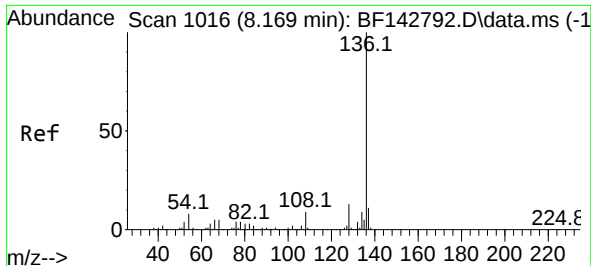
Tgt Ion:	70	Resp:	84596
Ion	Ratio	Lower	Upper
70	100		
42	62.2	52.1	78.1
101	10.2	8.2	12.2
130	22.4	18.2	27.2



#20
3+4-Methylphenols
Concen: 42.437 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.006 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

Tgt Ion:	107	Resp:	127747
Ion	Ratio	Lower	Upper
107	100		
108	88.7	70.0	110.0
77	143.0	98.5	138.5#
79	28.8	8.8	48.8

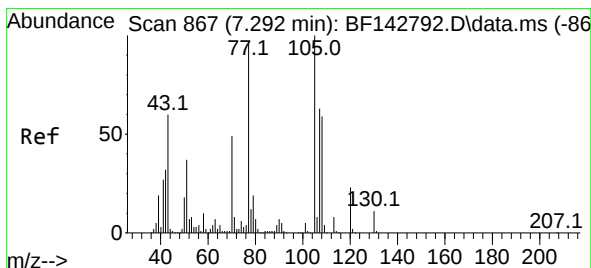
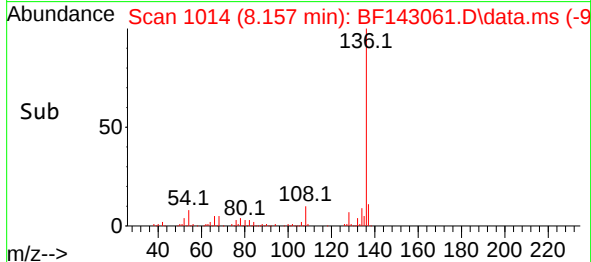
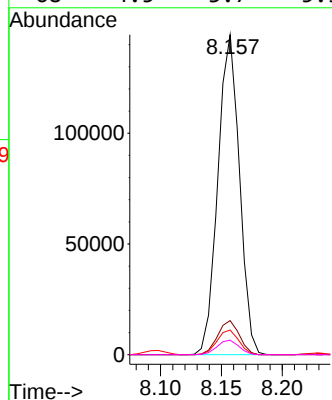
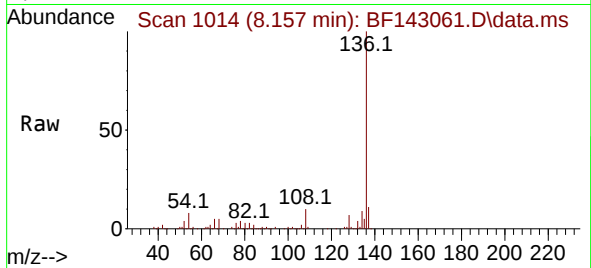




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

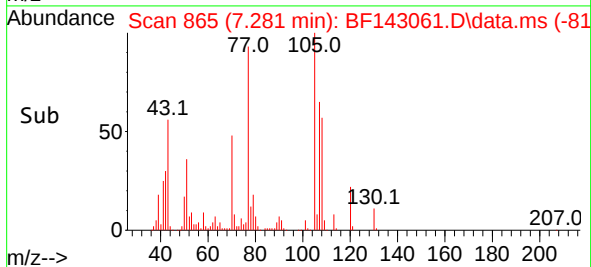
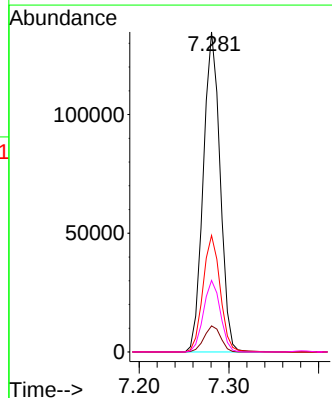
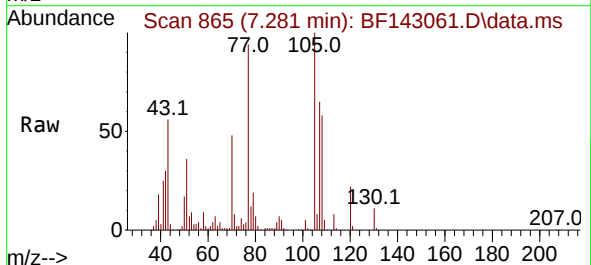
Instrument :
BNA_F
ClientSampleId :
TP-14MSD

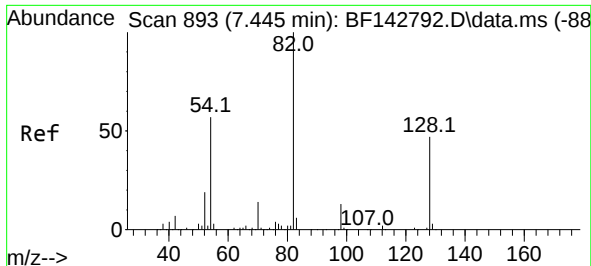
Tgt Ion:	136	Resp:	178050
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	7.7	6.3	9.5
68	4.5	3.7	5.5



#22
Acetophenone
Concen: 44.750 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.012 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

Tgt Ion:	105	Resp:	175702
Ion	Ratio	Lower	Upper
105	100		
71	8.2	6.5	9.7
51	36.4	29.8	44.8
120	22.4	18.2	27.2





#23

Nitrobenzene-d5

Concen: 48.043 ng

RT: 7.434 min Scan# 891

Delta R.T. -0.011 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

Instrument :

BNA_F

ClientSampleId :

TP-14MSD

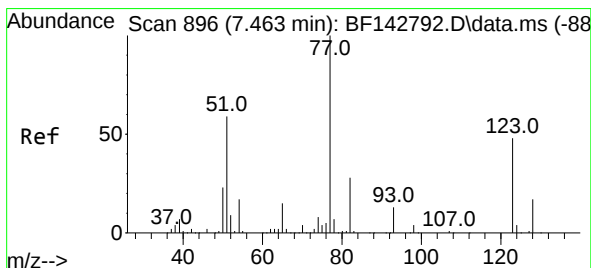
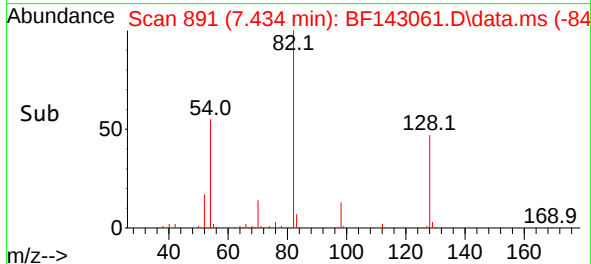
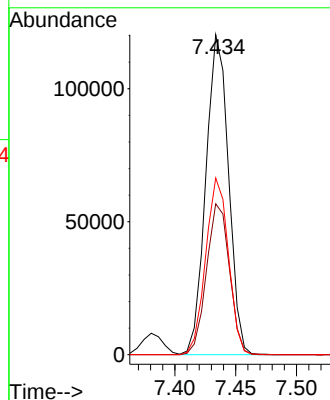
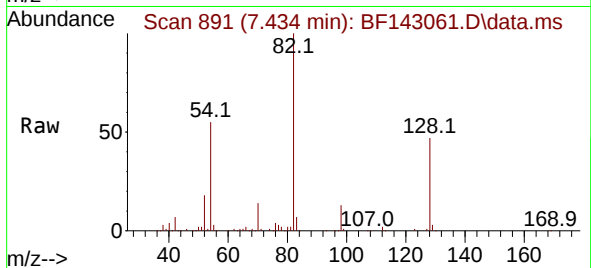
Tgt Ion: 82 Resp: 155950

Ion Ratio Lower Upper

82 100

128 47.2 37.7 56.5

54 55.2 45.7 68.5



#24

Nitrobenzene

Concen: 42.672 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

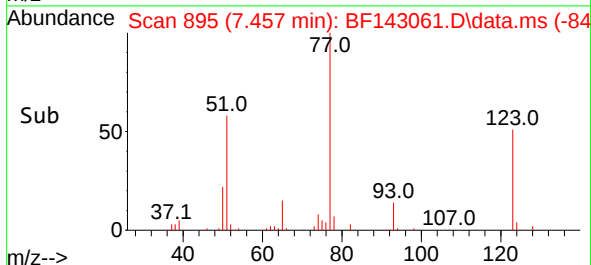
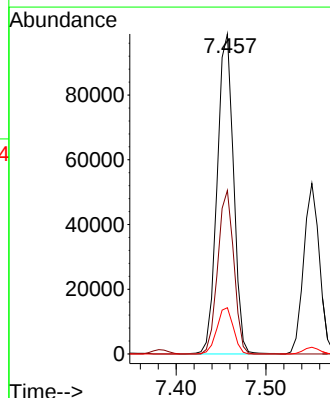
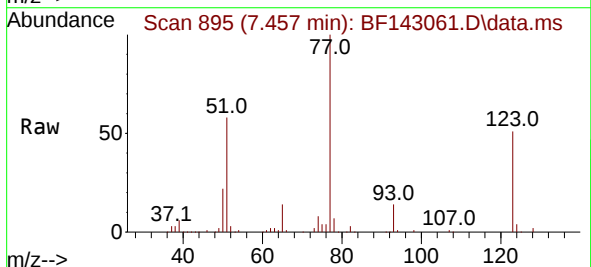
Tgt Ion: 77 Resp: 125370

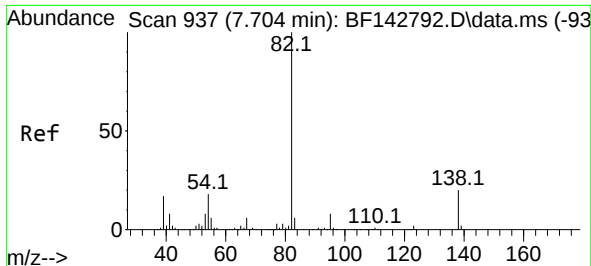
Ion Ratio Lower Upper

77 100

123 51.1 39.2 58.8

65 14.5 11.6 17.4

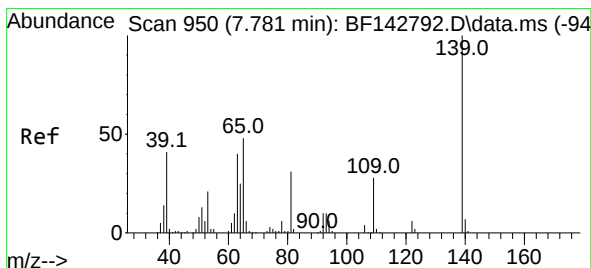
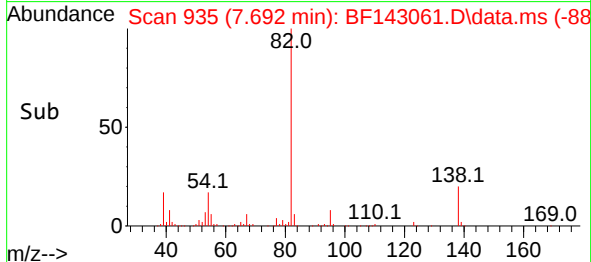
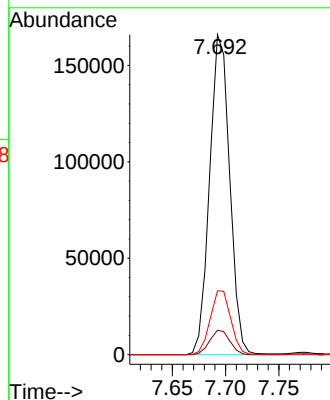
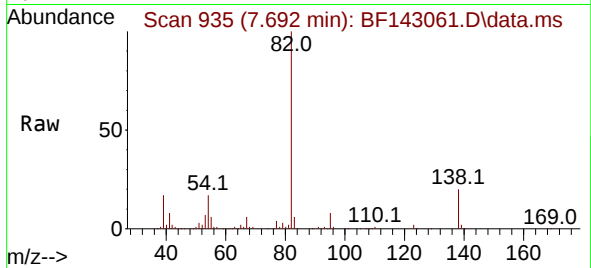




#25
Isophorone
Concen: 41.924 ng
RT: 7.692 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

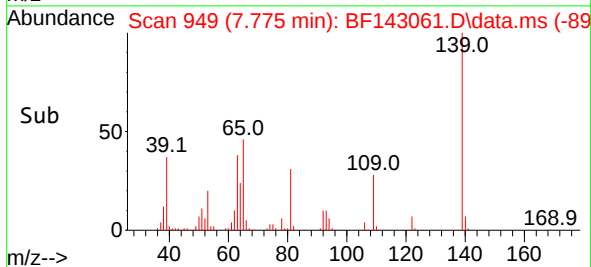
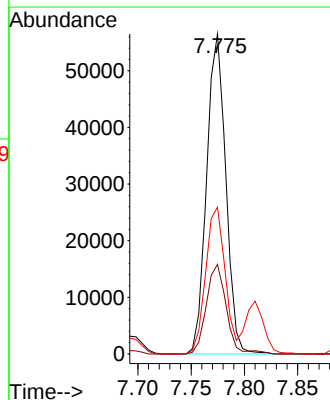
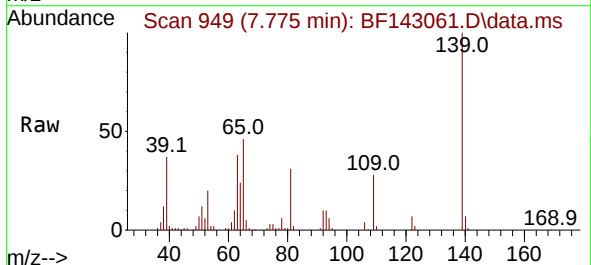
Instrument :
BNA_F
ClientSampleId :
TP-14MSD

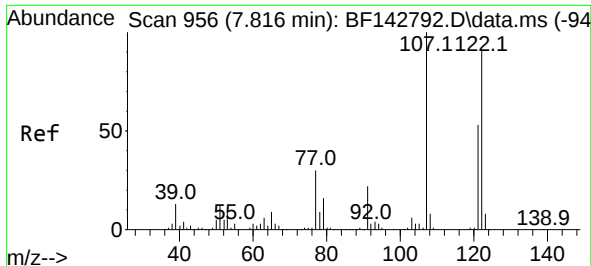
Tgt Ion: 82 Resp: 218308
Ion Ratio Lower Upper
82 100
95 7.7 6.2 9.2
138 20.0 16.2 24.4



#26
2-Nitrophenol
Concen: 44.121 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.006 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

Tgt Ion: 139 Resp: 70614
Ion Ratio Lower Upper
139 100
109 28.0 22.7 34.1
65 45.8 38.6 58.0

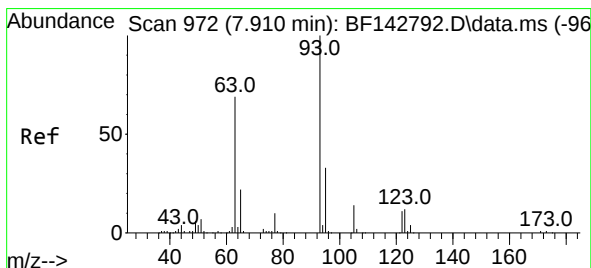
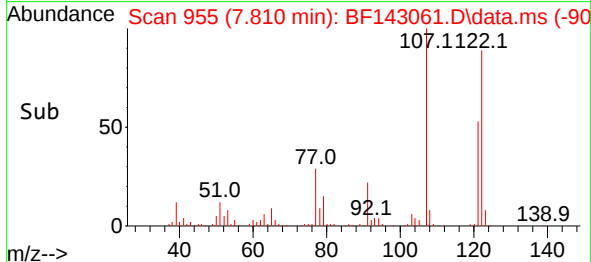
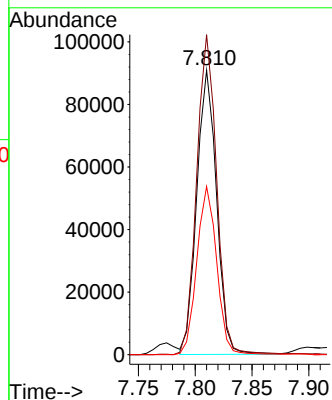
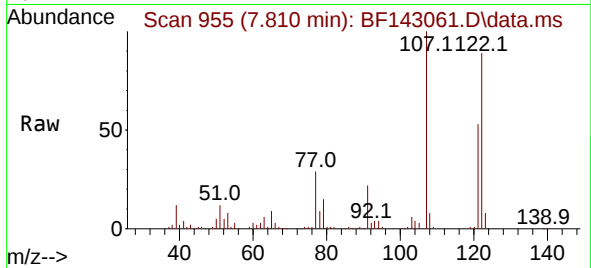




#27
2,4-Dimethylphenol
Concen: 39.949 ng
RT: 7.810 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

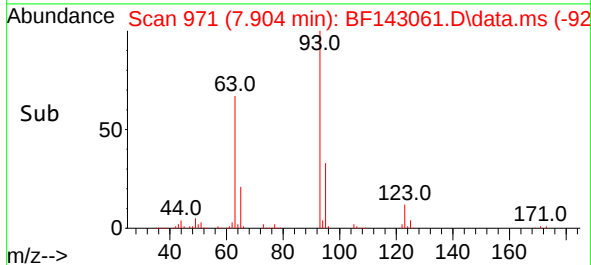
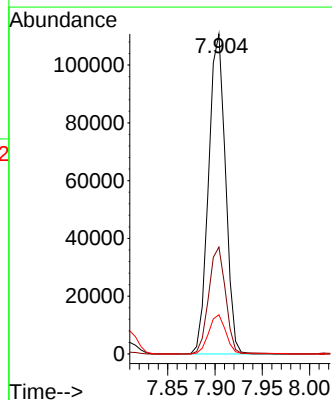
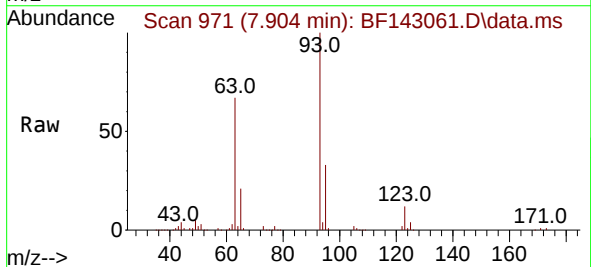
Instrument :
BNA_F
ClientSampleId :
TP-14MSD

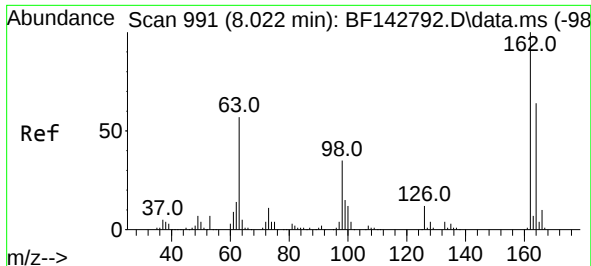
Tgt Ion:122 Resp: 110749
Ion Ratio Lower Upper
122 100
107 112.5 88.0 132.0
121 59.1 46.3 69.5



#28
bis(2-Chloroethoxy)methane
Concen: 41.419 ng
RT: 7.904 min Scan# 971
Delta R.T. -0.006 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

Tgt Ion: 93 Resp: 137119
Ion Ratio Lower Upper
93 100
95 33.4 26.2 39.2
123 12.2 9.9 14.9

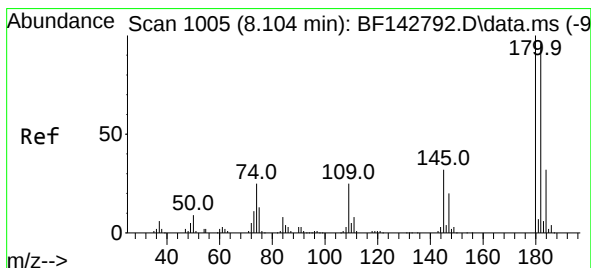
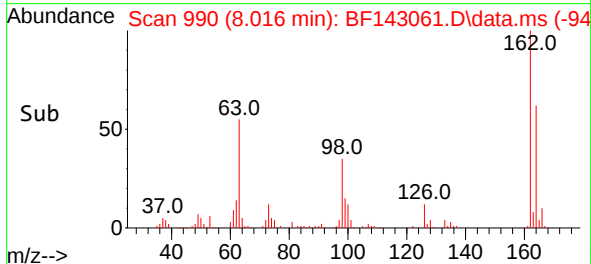
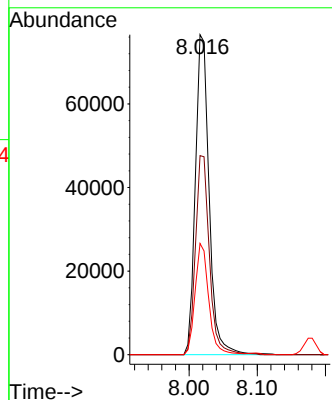
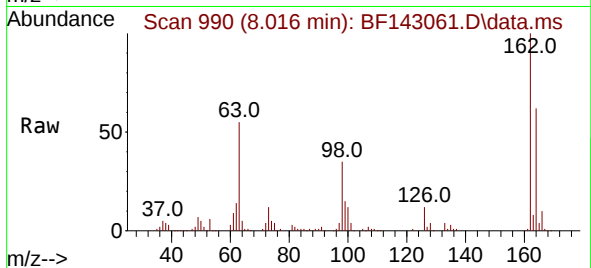




#29
2,4-Dichlorophenol
Concen: 42.730 ng
RT: 8.016 min Scan# 991
Delta R.T. -0.006 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

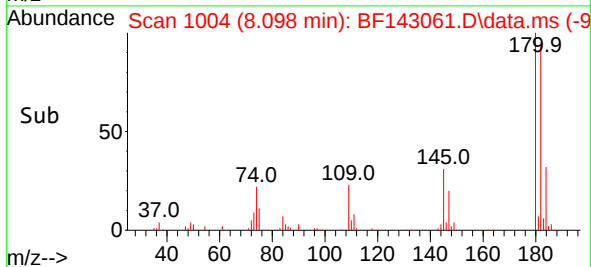
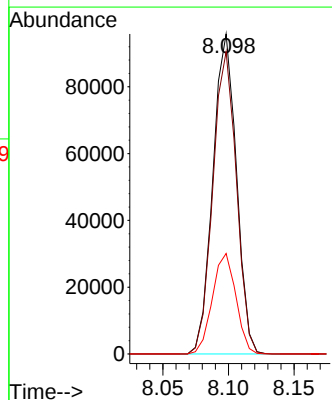
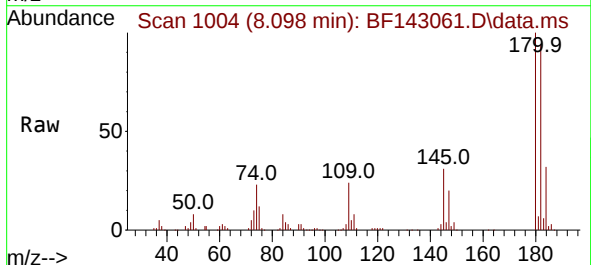
Instrument :
BNA_F
ClientSampleId :
TP-14MSD

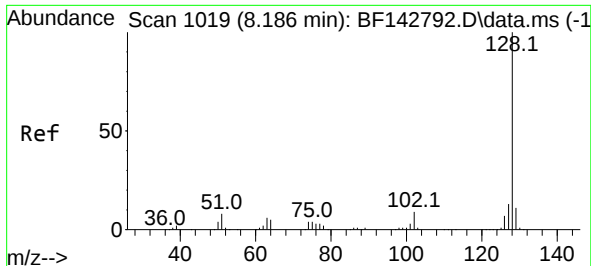
Tgt Ion:162 Resp: 107408
Ion Ratio Lower Upper
162 100
164 62.2 44.0 84.0
98 34.8 15.4 55.4



#30
1,2,4-Trichlorobenzene
Concen: 43.152 ng
RT: 8.098 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

Tgt Ion:180 Resp: 119274
Ion Ratio Lower Upper
180 100
182 94.4 76.4 114.6
145 31.4 25.8 38.8

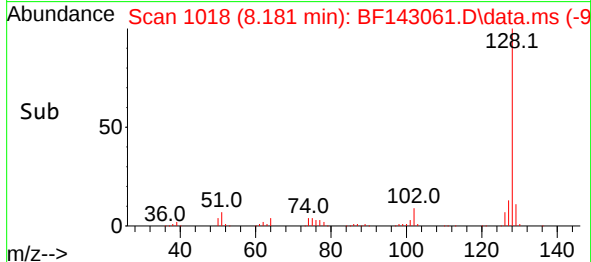
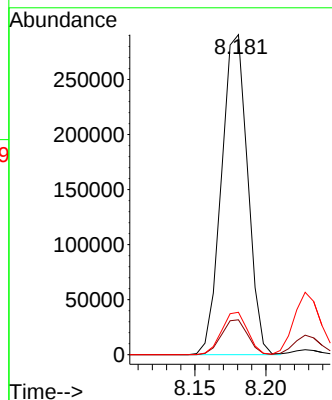
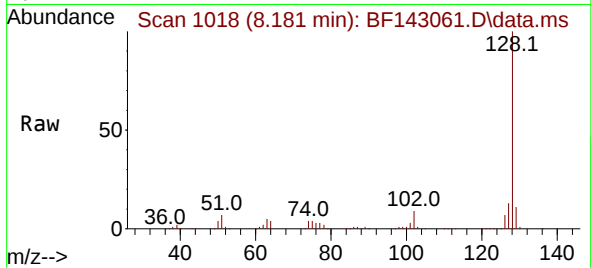




#31
Naphthalene
Concen: 42.747 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

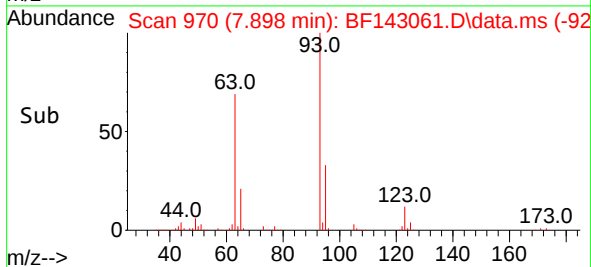
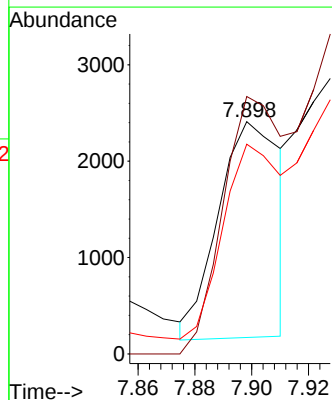
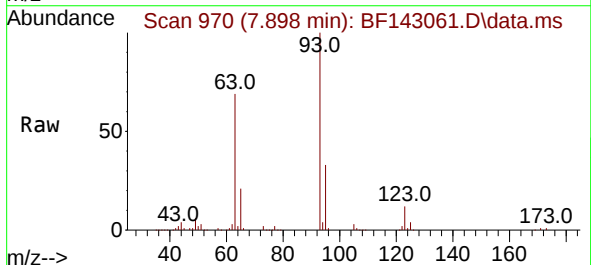
Instrument :
BNA_F
ClientSampleId :
TP-14MSD

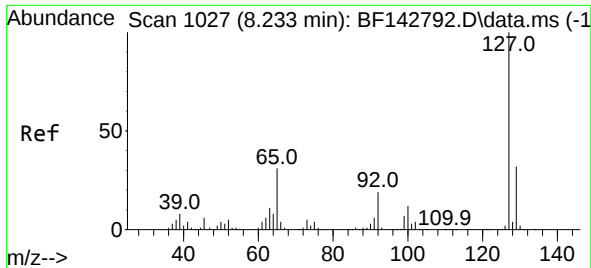
Tgt Ion:128 Resp: 372552
Ion Ratio Lower Upper
128 100
129 10.9 8.9 13.3
127 13.2 10.4 15.6



#32
Benzoic acid
Concen: 2.400 ng
RT: 7.898 min Scan# 970
Delta R.T. -0.023 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

Tgt Ion:122 Resp: 3391
Ion Ratio Lower Upper
122 100
105 110.8 104.7 144.7
77 90.3 70.2 110.2

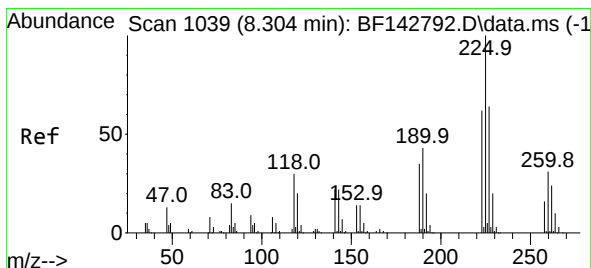
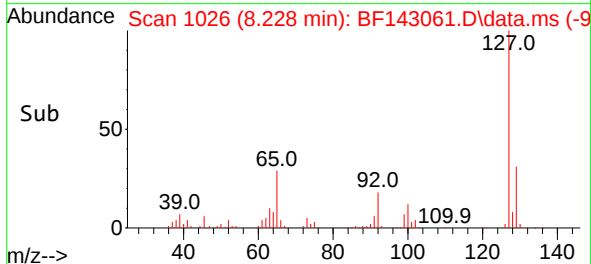
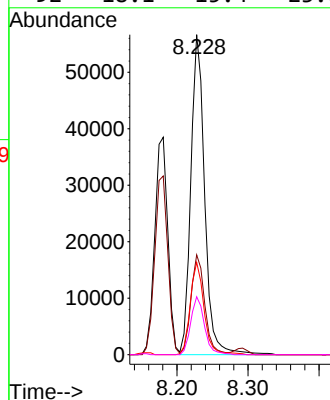
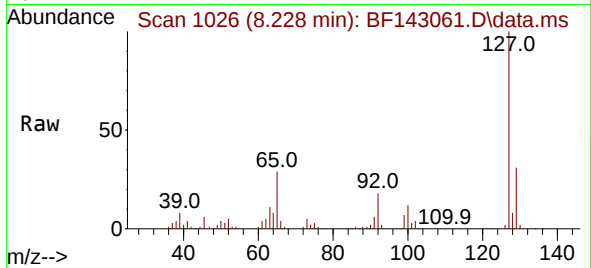




#33
4-Chloroaniline
Concen: 21.675 ng
RT: 8.228 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

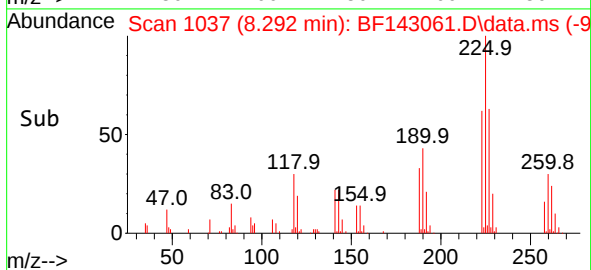
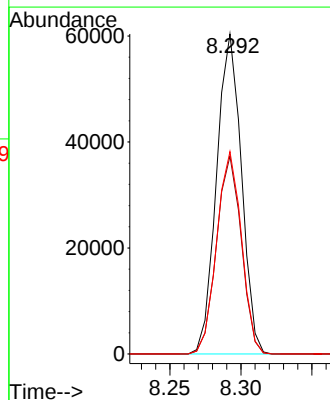
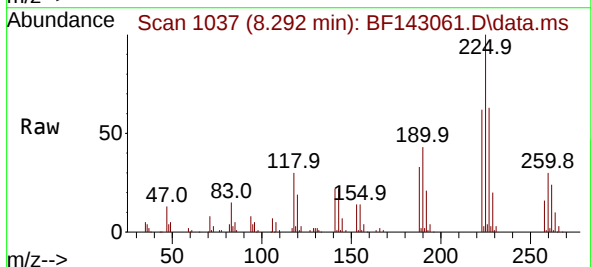
Instrument :
BNA_F
ClientSampleId :
TP-14MSD

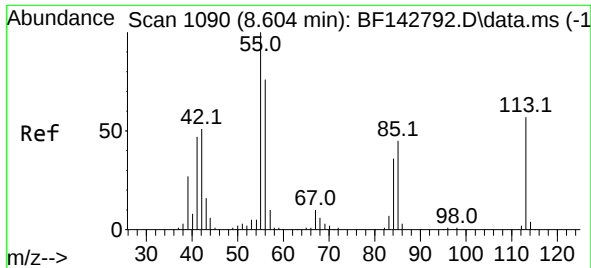
Tgt Ion:127	Resp:	76813
Ion	Ratio	Lower Upper
127	100	
129	31.2	25.9 38.9
65	28.8	24.6 36.8
92	18.1	15.4 23.0



#34
Hexachlorobutadiene
Concen: 43.391 ng
RT: 8.292 min Scan# 1037
Delta R.T. -0.012 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

Tgt Ion:225	Resp:	73363
Ion	Ratio	Lower Upper
225	100	
223	61.8	49.9 74.9
227	63.2	51.4 77.0

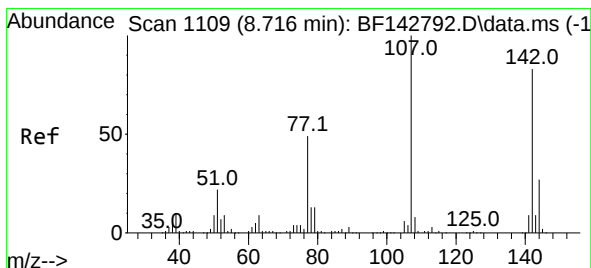
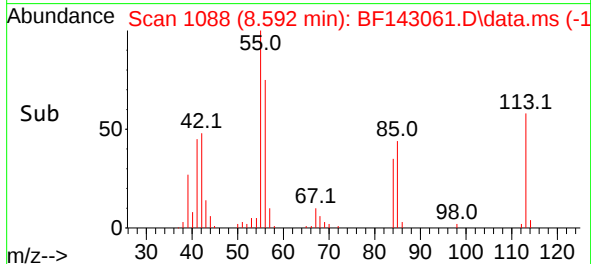
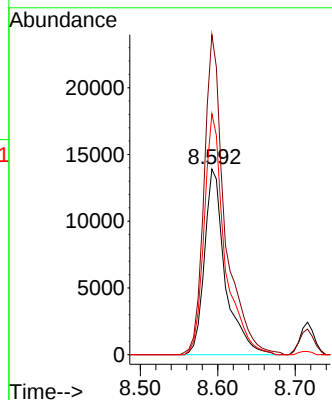
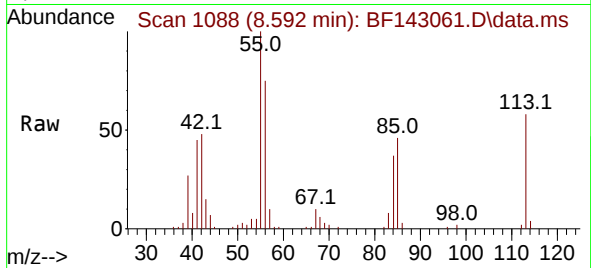




#35
 Caprolactam
 Concen: 38.939 ng
 RT: 8.592 min Scan# 1088
 Delta R.T. -0.012 min
 Lab File: BF143061.D
 Acq: 09 Jul 2025 17:30

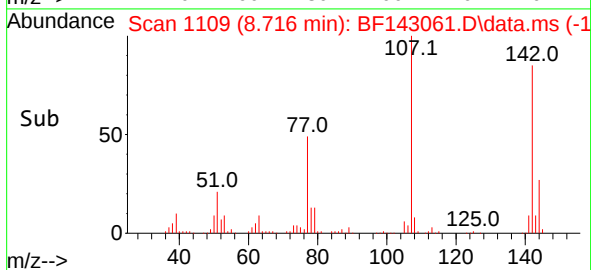
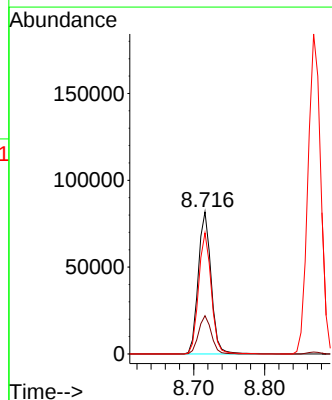
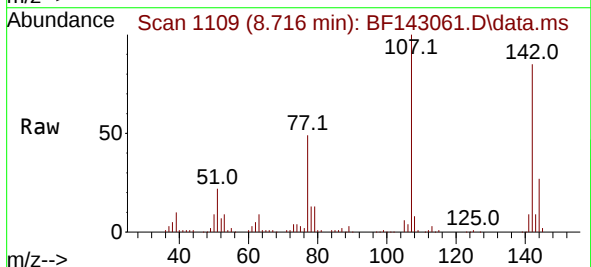
Instrument :
 BNA_F
 ClientSampleId :
 TP-14MSD

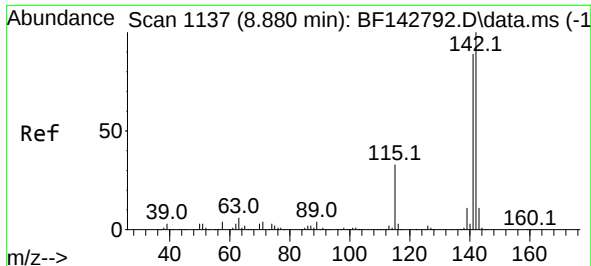
Tgt Ion:113 Resp: 25828
 Ion Ratio Lower Upper
 113 100
 55 172.4 154.4 194.4
 56 129.8 112.1 152.1



#36
 4-Chloro-3-methylphenol
 Concen: 41.439 ng
 RT: 8.716 min Scan# 1109
 Delta R.T. 0.000 min
 Lab File: BF143061.D
 Acq: 09 Jul 2025 17:30

Tgt Ion:107 Resp: 103523
 Ion Ratio Lower Upper
 107 100
 144 27.0 21.3 31.9
 142 85.3 66.6 100.0





#37

2-Methylnaphthalene

Concen: 42.420 ng

RT: 8.869 min Scan# 1135

Delta R.T. -0.012 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

Instrument :

BNA_F

ClientSampleId :

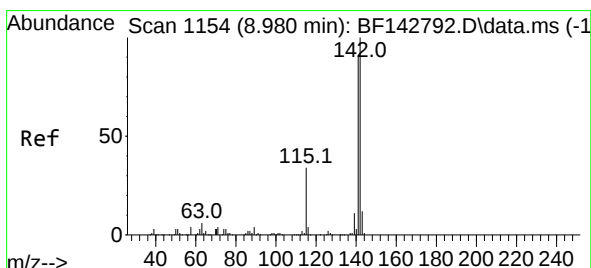
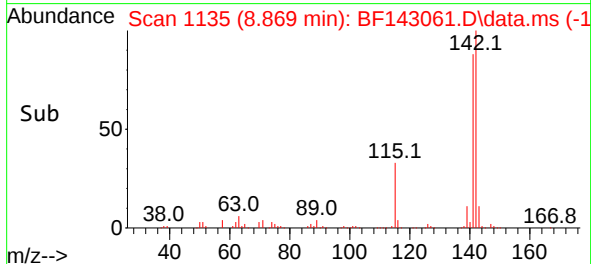
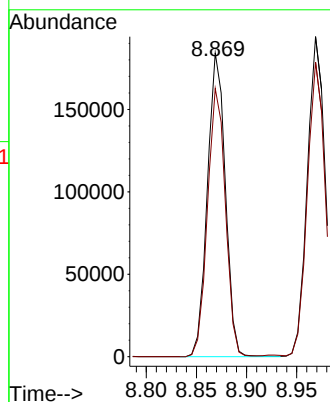
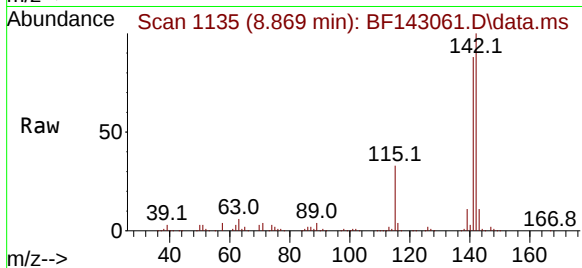
TP-14MSD

Tgt Ion:142 Resp: 229201

Ion Ratio Lower Upper

142 100

141 88.3 70.9 106.3



#38

1-Methylnaphthalene

Concen: 42.643 ng

RT: 8.969 min Scan# 1152

Delta R.T. -0.012 min

Lab File: BF143061.D

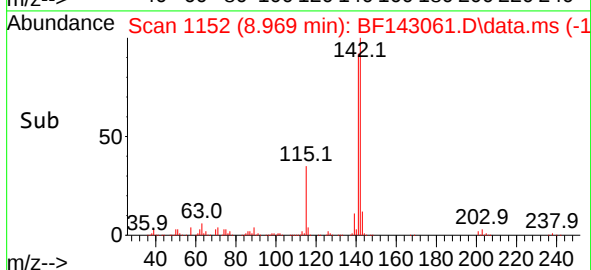
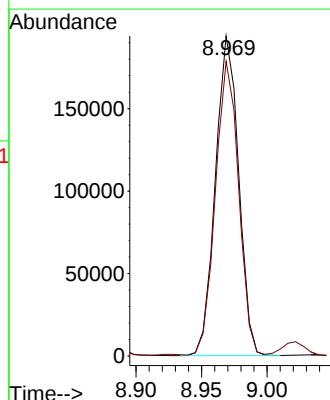
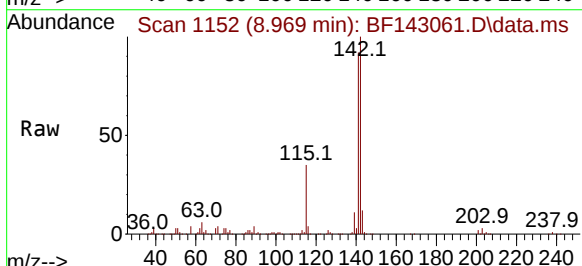
Acq: 09 Jul 2025 17:30

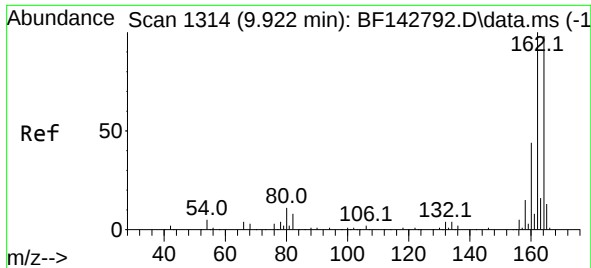
Tgt Ion:142 Resp: 238515

Ion Ratio Lower Upper

142 100

141 92.1 73.0 109.4

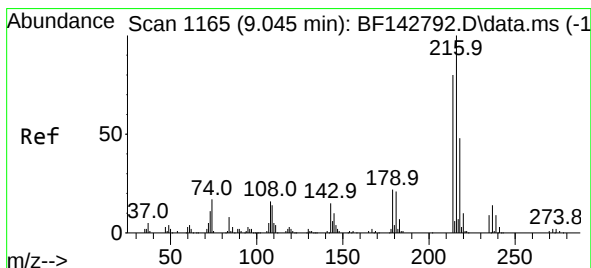
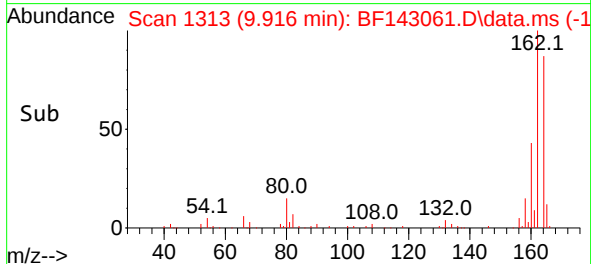
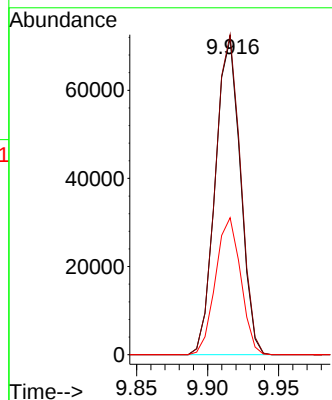
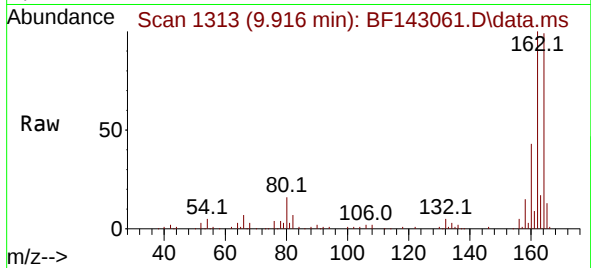




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.916 min Scan# 1164
 Delta R.T. -0.006 min
 Lab File: BF143061.D
 Acq: 09 Jul 2025 17:30

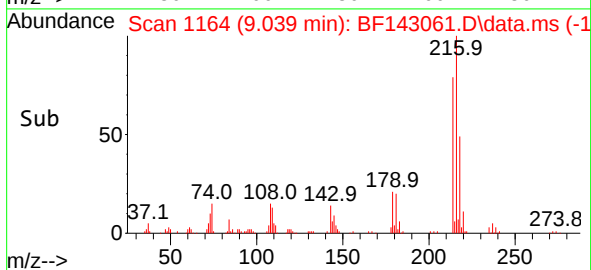
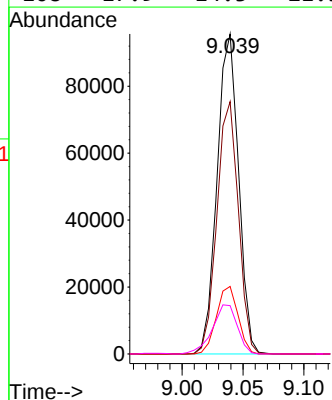
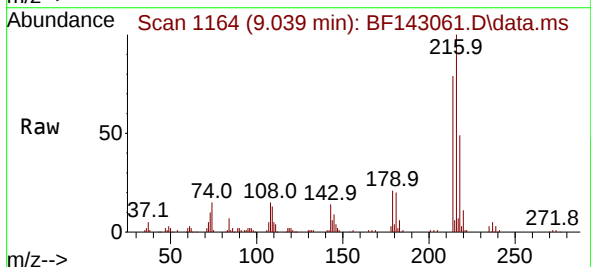
Instrument :
 BNA_F
 ClientSampleId :
 TP-14MSD

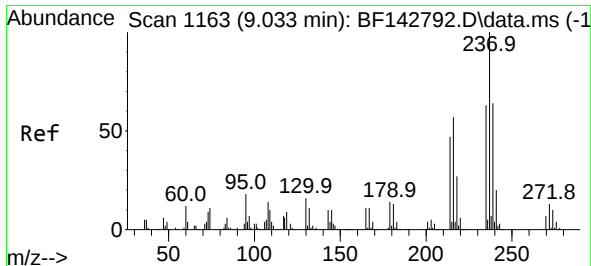
Tgt Ion:164 Resp: 87986
 Ion Ratio Lower Upper
 164 100
 162 101.2 81.8 122.8
 160 43.3 36.0 54.0



#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 45.212 ng
 RT: 9.039 min Scan# 1164
 Delta R.T. -0.006 min
 Lab File: BF143061.D
 Acq: 09 Jul 2025 17:30

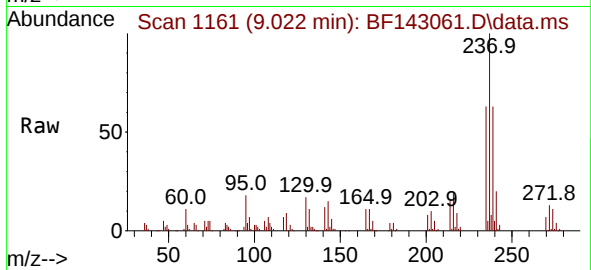
Tgt Ion:216 Resp: 117379
 Ion Ratio Lower Upper
 216 100
 214 78.7 63.7 95.5
 179 21.2 17.6 26.4
 108 17.9 14.3 21.5



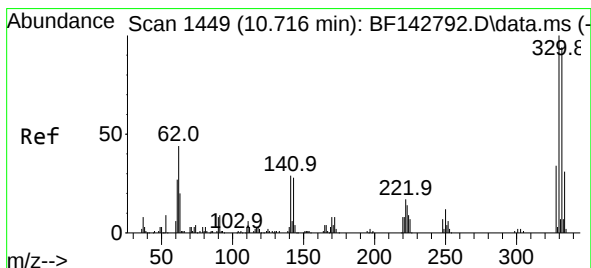
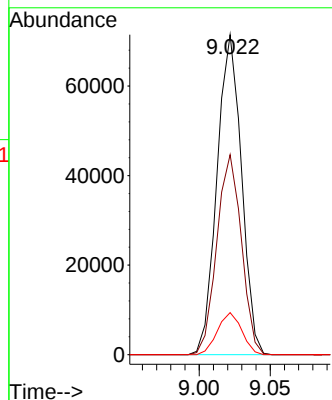
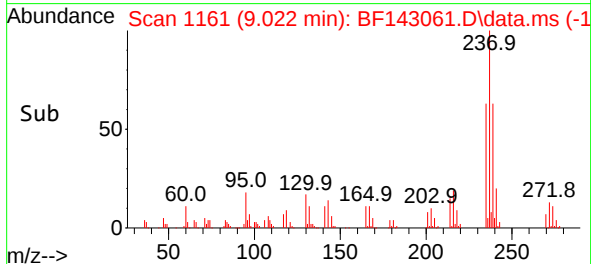


#41
Hexachlorocyclopentadiene
Concen: 58.134 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.012 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

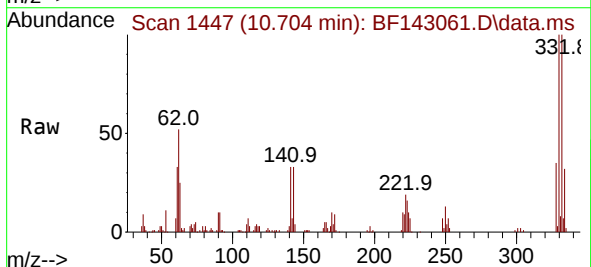
Instrument :
BNA_F
ClientSampleId :
TP-14MSD



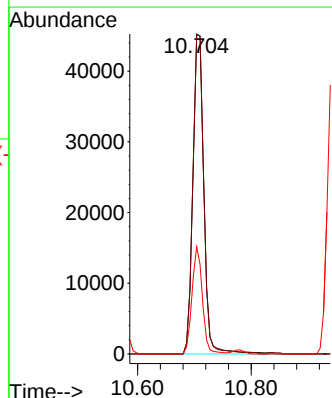
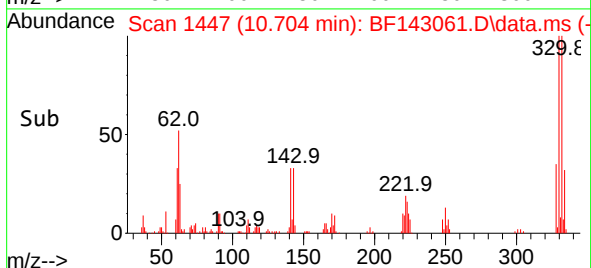
Tgt Ion:237 Resp: 85647
Ion Ratio Lower Upper
237 100
235 62.5 43.4 83.4
272 13.2 0.0 32.7

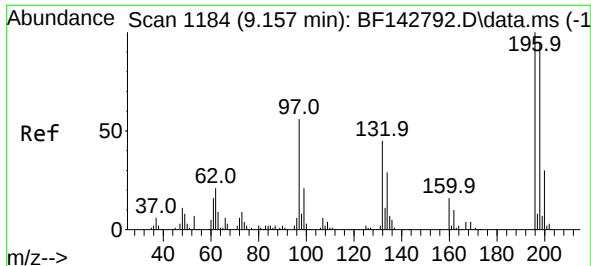


#42
2,4,6-Tribromophenol
Concen: 67.470 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30



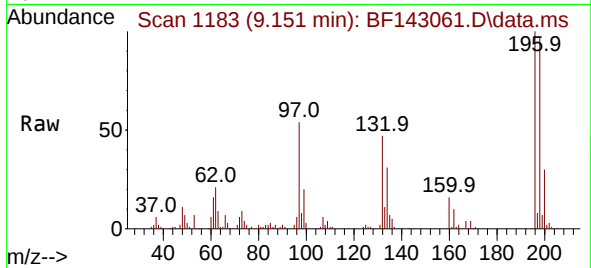
Tgt Ion:330 Resp: 61090
Ion Ratio Lower Upper
330 100
332 99.6 75.0 112.6
141 31.6 25.3 37.9



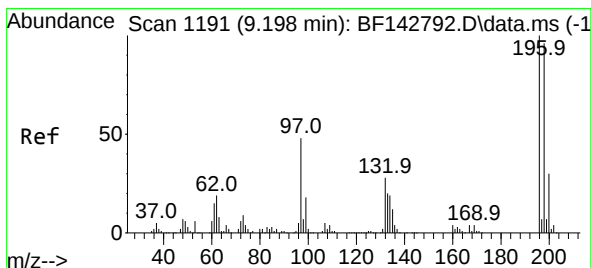
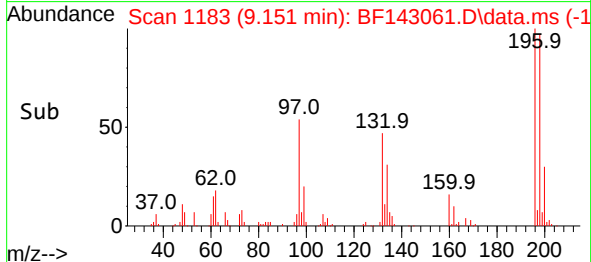
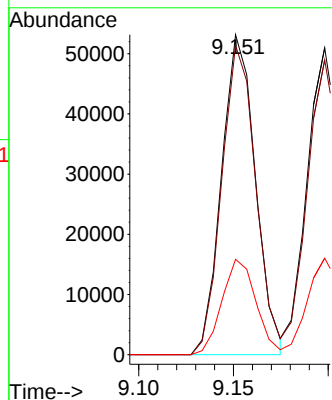


#43
2,4,6-Trichlorophenol
Concen: 39.097 ng
RT: 9.151 min Scan# 1183
Delta R.T. -0.006 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

Instrument :
BNA_F
ClientSampleId :
TP-14MSD

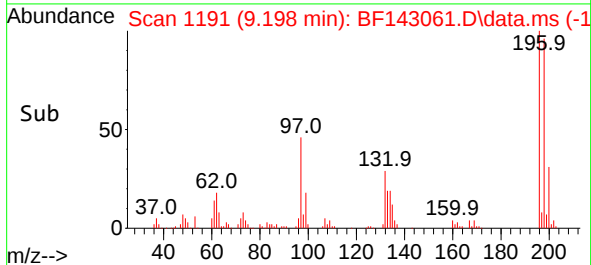
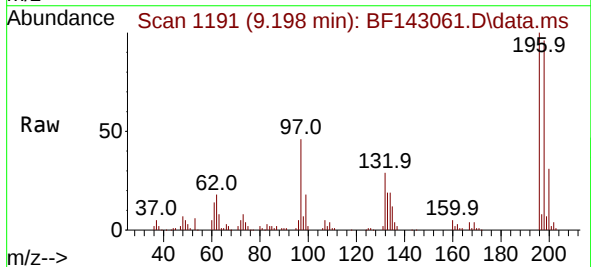
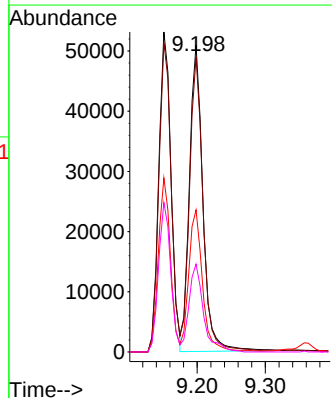


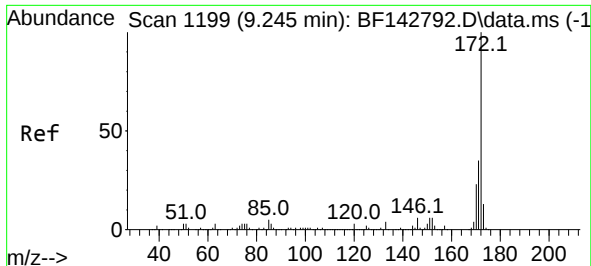
Tgt Ion:196 Resp: 66141
Ion Ratio Lower Upper
196 100
198 96.7 76.2 114.2
200 29.8 24.1 36.1



#44
2,4,5-Trichlorophenol
Concen: 39.153 ng
RT: 9.198 min Scan# 1191
Delta R.T. 0.000 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

Tgt Ion:196 Resp: 69726
Ion Ratio Lower Upper
196 100
198 96.1 76.6 115.0
97 46.3 38.2 57.2
132 28.6 23.4 35.0

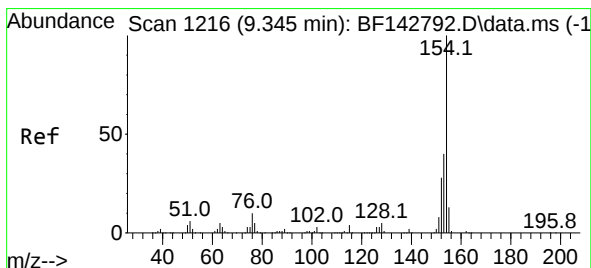
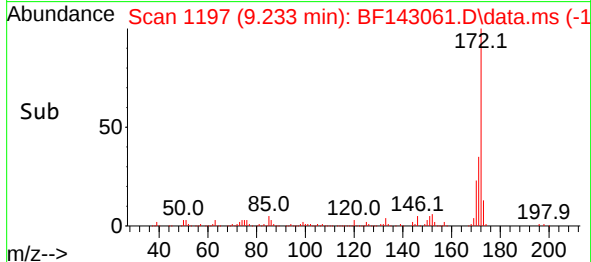
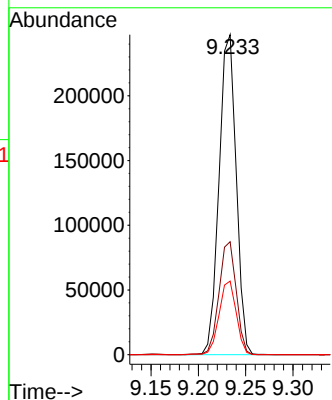
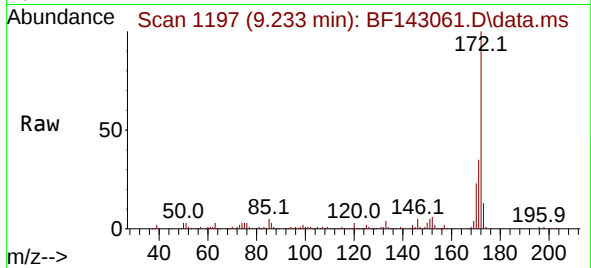




#45
2-Fluorobiphenyl
Concen: 46.522 ng
RT: 9.233 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

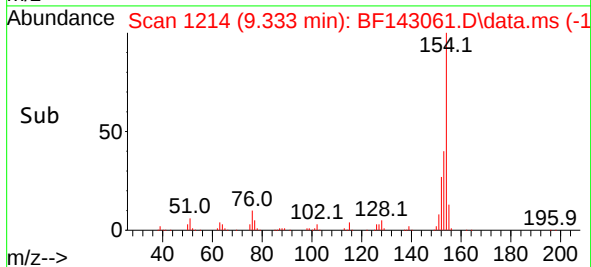
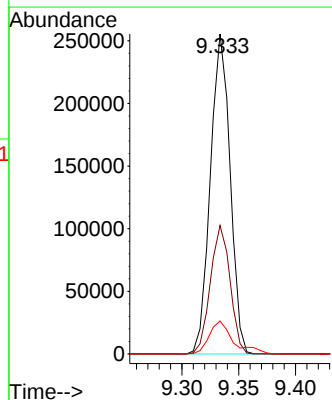
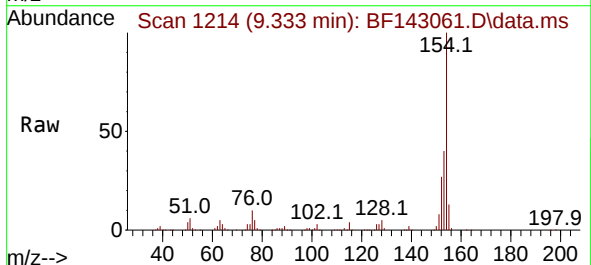
Instrument :
BNA_F
ClientSampleId :
TP-14MSD

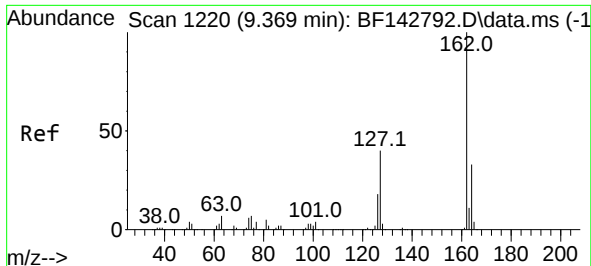
Tgt Ion:172 Resp: 311592
Ion Ratio Lower Upper
172 100
171 35.3 28.2 42.4
170 23.0 18.5 27.7



#46
1,1'-Biphenyl
Concen: 44.394 ng
RT: 9.333 min Scan# 1214
Delta R.T. -0.012 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

Tgt Ion:154 Resp: 308555
Ion Ratio Lower Upper
154 100
153 40.2 20.3 60.3
76 10.3 0.0 30.3





#47

2-Chloronaphthalene

Concen: 44.486 ng

RT: 9.363 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

Instrument :

BNA_F

ClientSampleId :

TP-14MSD

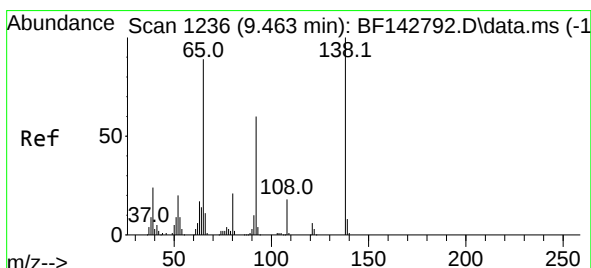
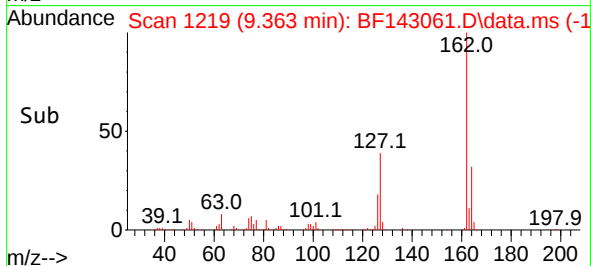
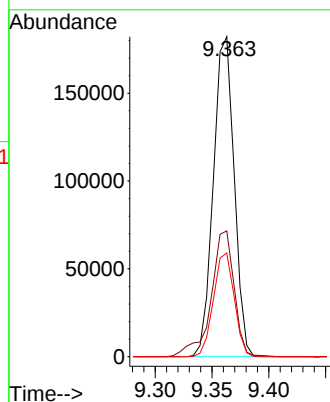
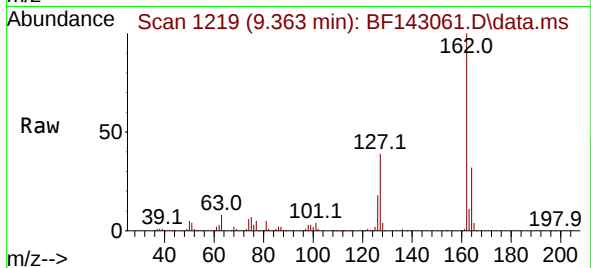
Tgt Ion:162 Resp: 232029

Ion Ratio Lower Upper

162 100

127 39.3 32.2 48.2

164 32.4 26.1 39.1



#48

2-Nitroaniline

Concen: 43.841 ng

RT: 9.457 min Scan# 1235

Delta R.T. -0.006 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

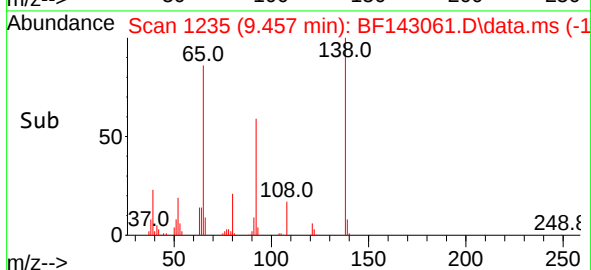
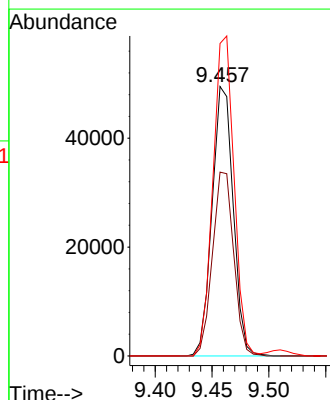
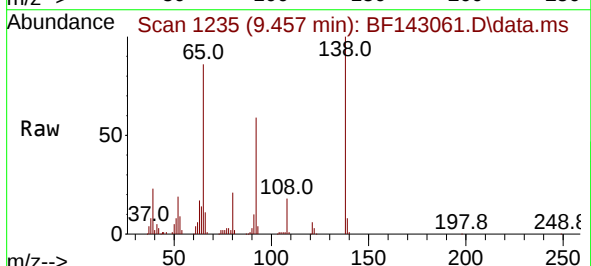
Tgt Ion: 65 Resp: 64108

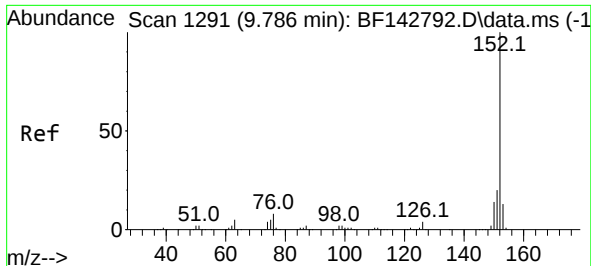
Ion Ratio Lower Upper

65 100

92 68.2 53.8 80.6

138 116.0 89.6 134.4





#49

Acenaphthylene

Concen: 43.938 ng

RT: 9.775 min Scan# 1289

Delta R.T. -0.012 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

Instrument :

BNA_F

ClientSampleId :

TP-14MSD

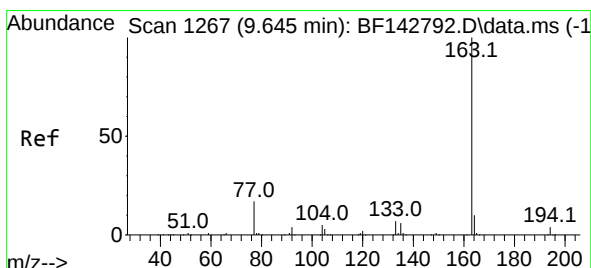
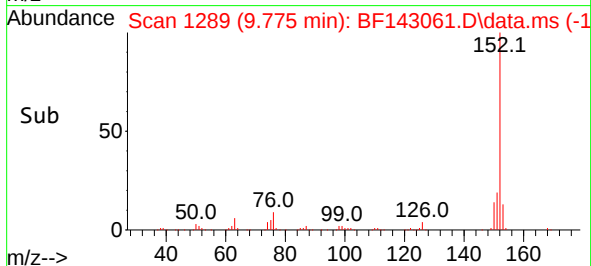
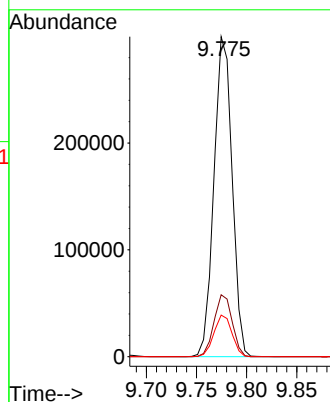
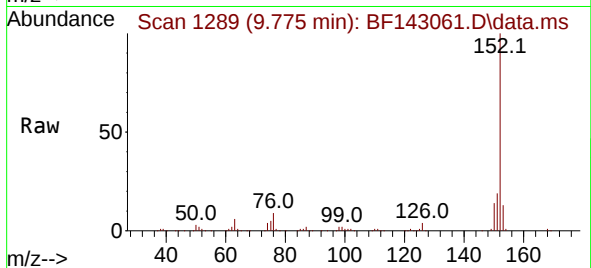
Tgt Ion:152 Resp: 377263

Ion Ratio Lower Upper

152 100

151 19.4 16.1 24.1

153 13.0 10.4 15.6



#50

Dimethylphthalate

Concen: 43.707 ng

RT: 9.633 min Scan# 1265

Delta R.T. -0.012 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

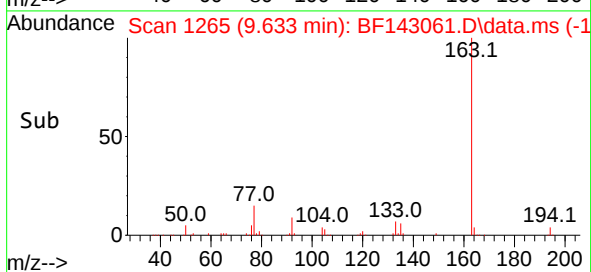
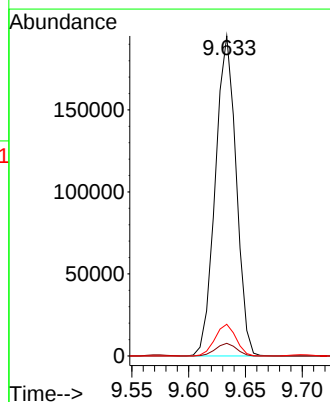
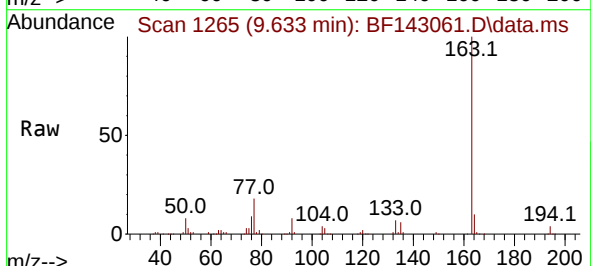
Tgt Ion:163 Resp: 248926

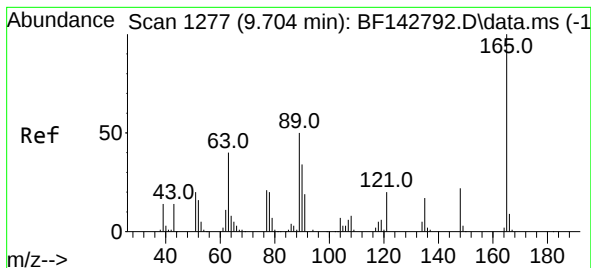
Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

164 9.9 8.0 12.0

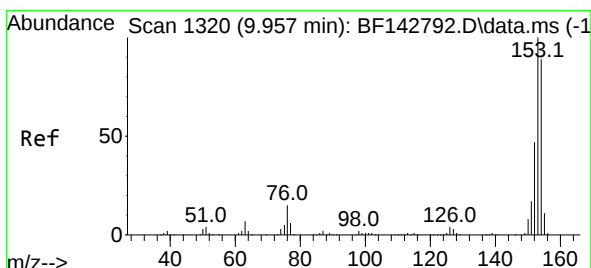
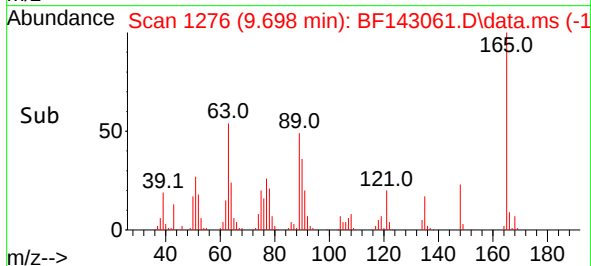
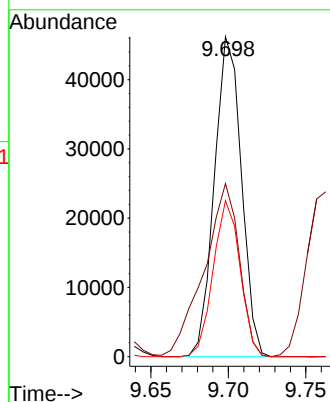
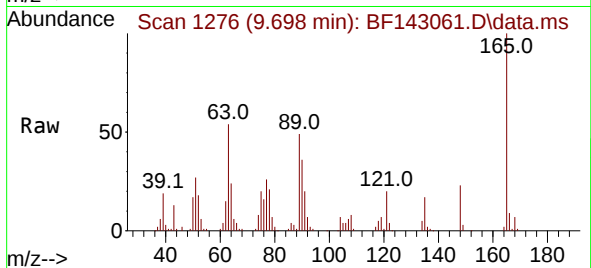




#51
2,6-Dinitrotoluene
Concen: 44.739 ng
RT: 9.698 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

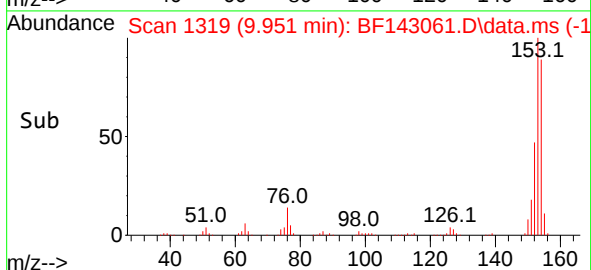
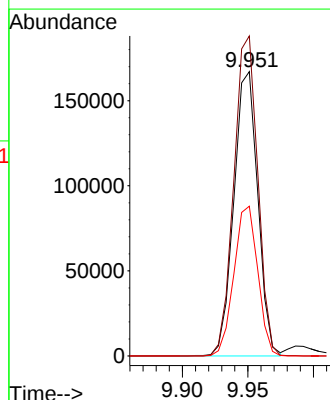
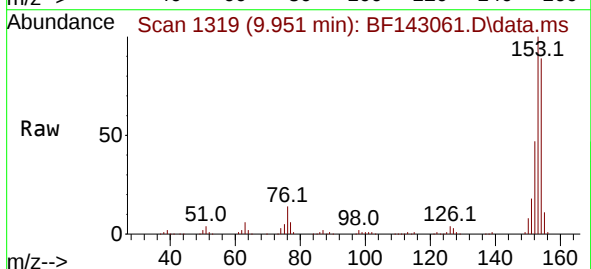
Instrument :
BNA_F
ClientSampleId :
TP-14MSD

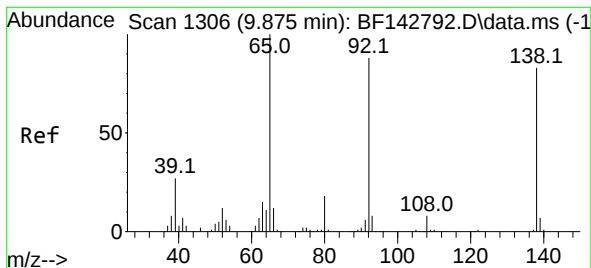
Tgt Ion:165 Resp: 55958
Ion Ratio Lower Upper
165 100
63 54.1 44.2 66.4
89 48.8 39.8 59.8



#52
Acenaphthene
Concen: 40.594 ng
RT: 9.951 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

Tgt Ion:154 Resp: 212662
Ion Ratio Lower Upper
154 100
153 112.6 90.0 135.0
152 52.7 41.9 62.9





#53

3-Nitroaniline

Concen: 29.627 ng

RT: 9.869 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

Instrument :

BNA_F

ClientSampleId :

TP-14MSD

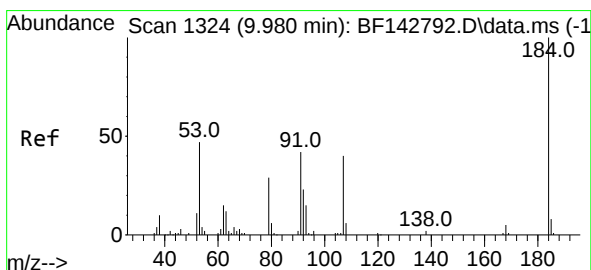
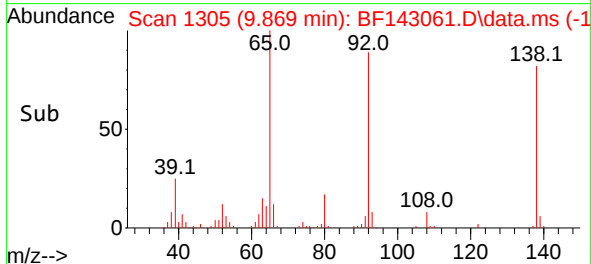
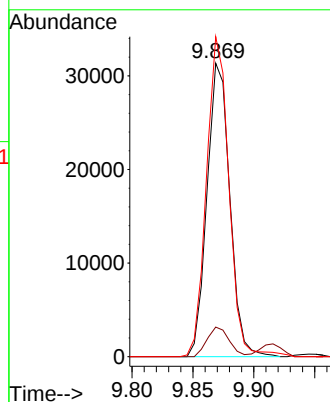
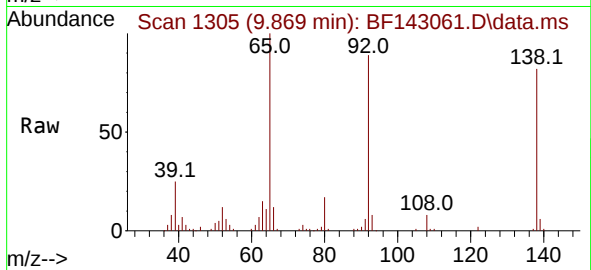
Tgt Ion:138 Resp: 40799

Ion Ratio Lower Upper

138 100

108 10.1 8.1 12.1

92 109.0 85.1 127.7



#54

2,4-Dinitrophenol

Concen: 26.667 ng

RT: 9.992 min Scan# 1326

Delta R.T. 0.012 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

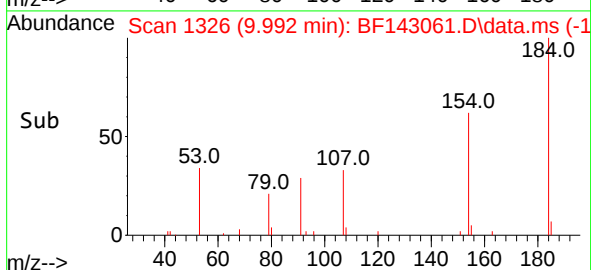
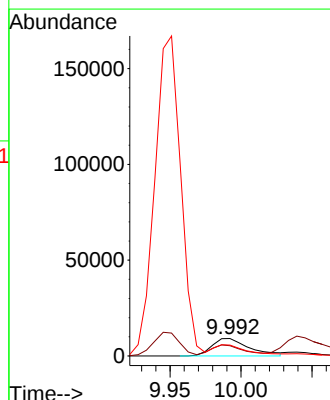
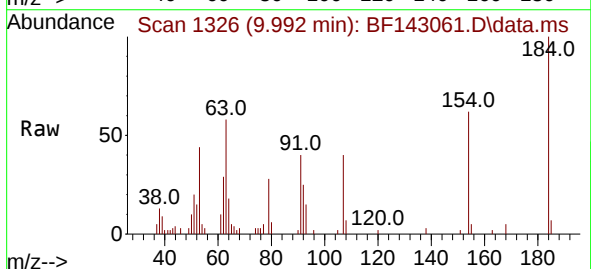
Tgt Ion:184 Resp: 16701

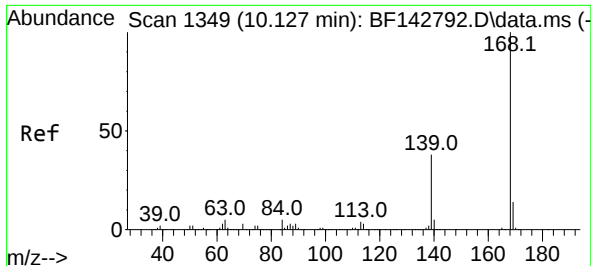
Ion Ratio Lower Upper

184 100

63 58.2 50.6 75.8

154 61.8 51.8 77.8

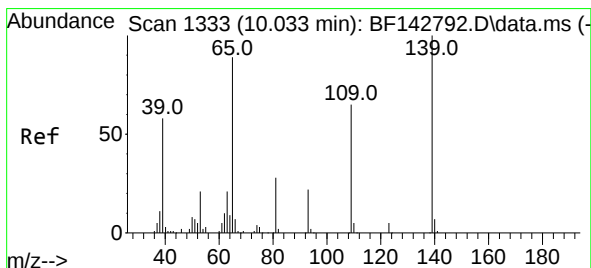
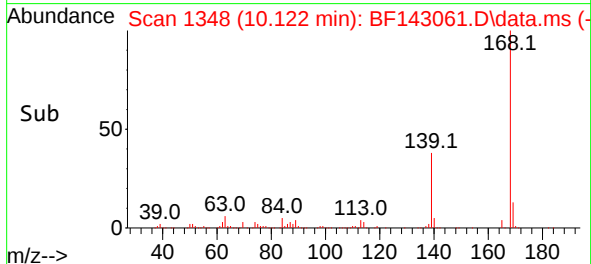
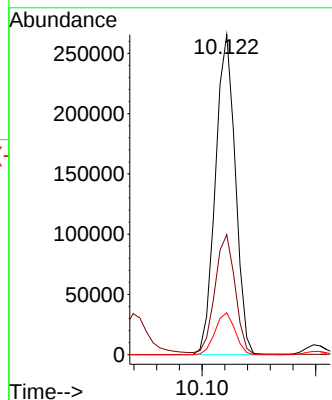
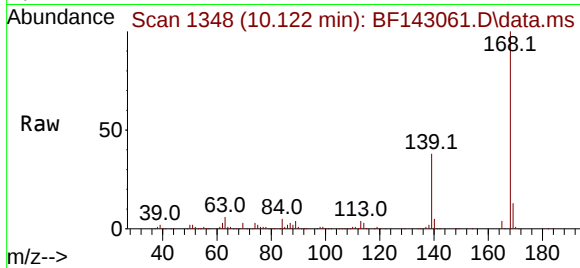




#55
Dibenzofuran
Concen: 43.038 ng
RT: 10.122 min Scan# 1348
Delta R.T. -0.006 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

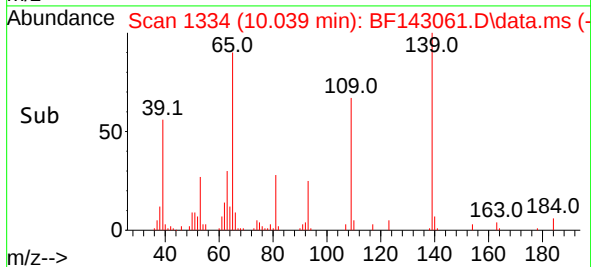
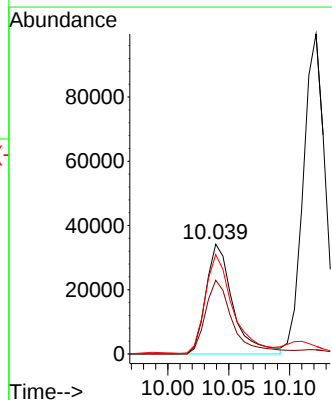
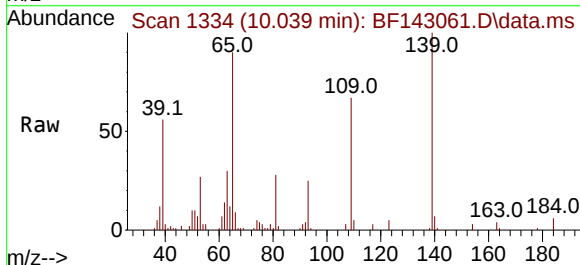
Instrument :
BNA_F
ClientSampleId :
TP-14MSD

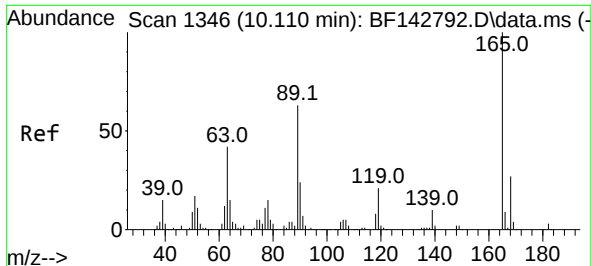
Tgt Ion:168 Resp: 323306
Ion Ratio Lower Upper
168 100
139 37.5 30.2 45.4
169 13.1 10.8 16.2



#56
4-Nitrophenol
Concen: 55.552 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.006 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

Tgt Ion:139 Resp: 52372
Ion Ratio Lower Upper
139 100
109 67.3 44.7 84.7
65 90.5 69.8 109.8

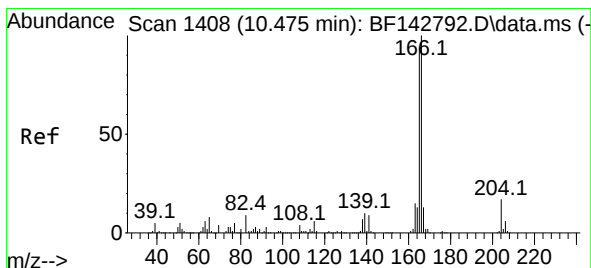
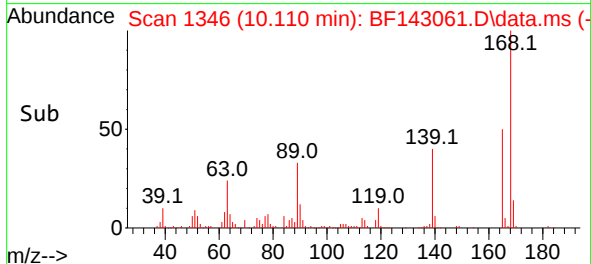
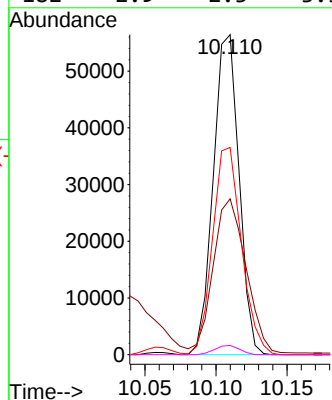
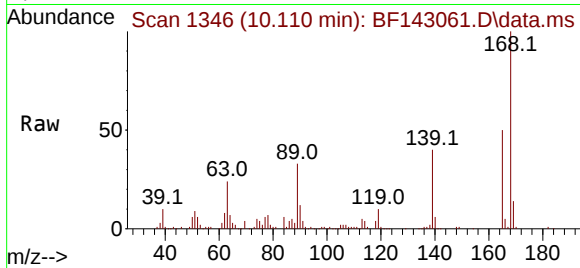




#57
2,4-Dinitrotoluene
Concen: 42.768 ng
RT: 10.110 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

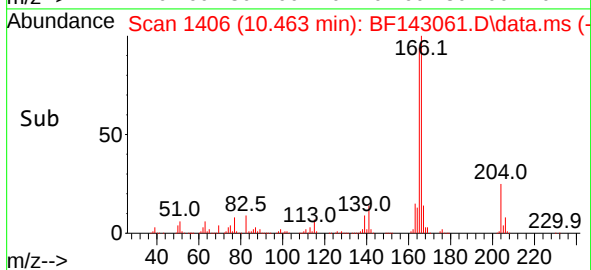
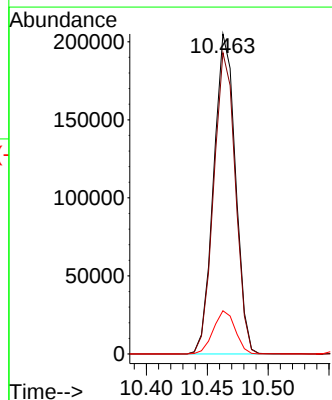
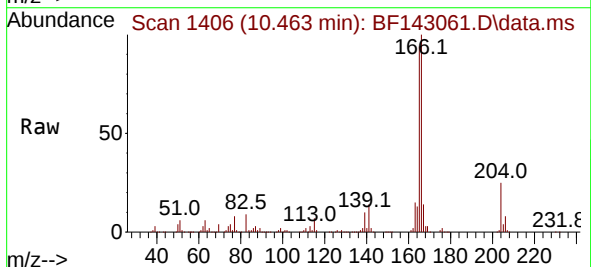
Instrument :
BNA_F
ClientSampleId :
TP-14MSD

Tgt Ion:165 Resp: 71054
Ion Ratio Lower Upper
165 100
63 48.7 33.9 50.9
89 64.7 50.6 75.8
182 2.9 2.3 3.5



#58
Fluorene
Concen: 43.457 ng
RT: 10.463 min Scan# 1406
Delta R.T. -0.012 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

Tgt Ion:166 Resp: 254958
Ion Ratio Lower Upper
166 100
165 94.1 75.2 112.8
167 13.5 10.6 15.8

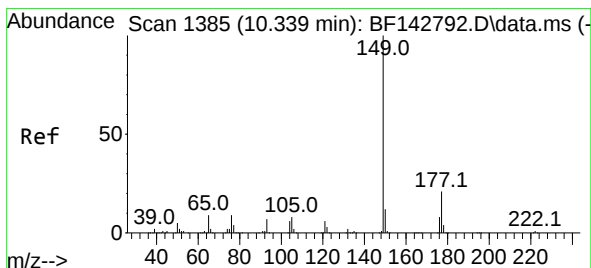
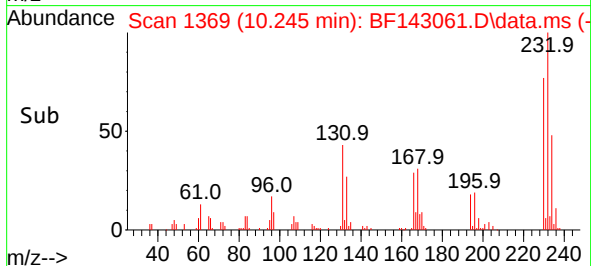
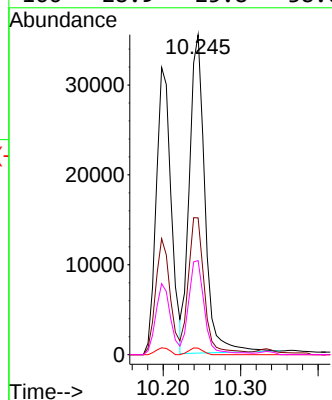
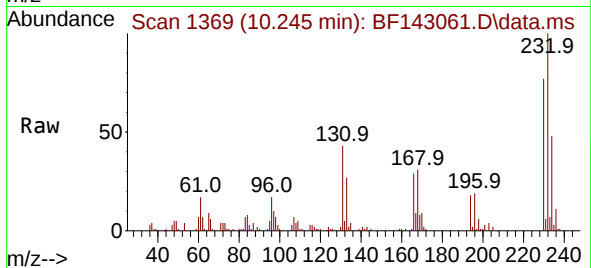




#59
2,3,4,6-Tetrachlorophenol
Concen: 34.295 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

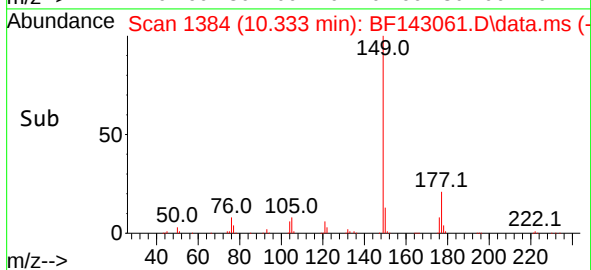
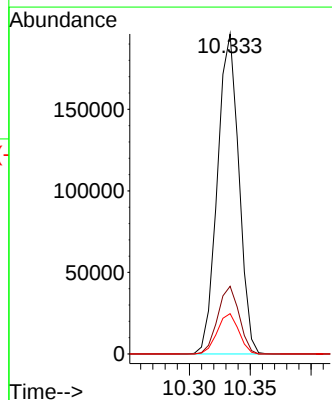
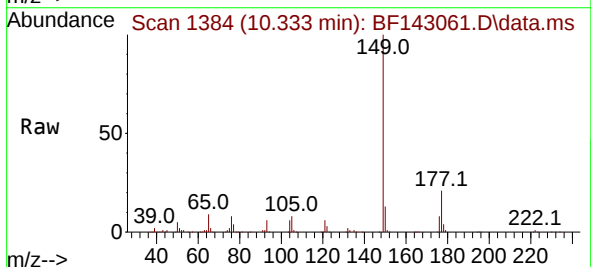
Instrument :
BNA_F
ClientSampleId :
TP-14MSD

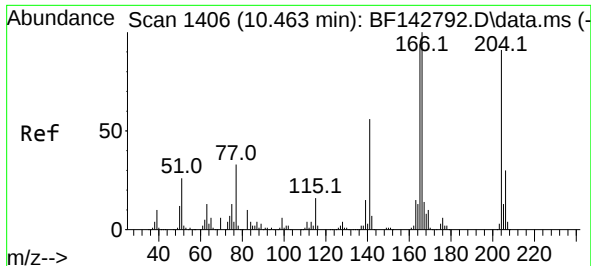
Tgt Ion:232 Resp: 49229
Ion Ratio Lower Upper
232 100
131 44.8 37.6 56.4
130 1.9 1.7 2.5
166 28.9 25.8 38.6



#60
Diethylphthalate
Concen: 43.081 ng
RT: 10.333 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

Tgt Ion:149 Resp: 240572
Ion Ratio Lower Upper
149 100
177 21.1 17.0 25.6
150 12.6 9.8 14.6

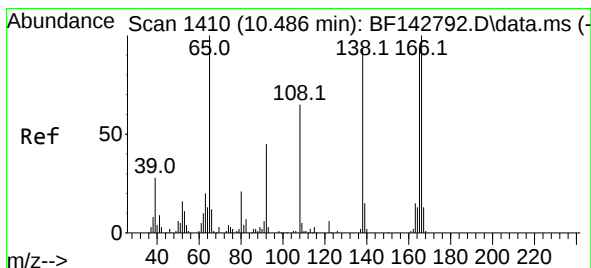
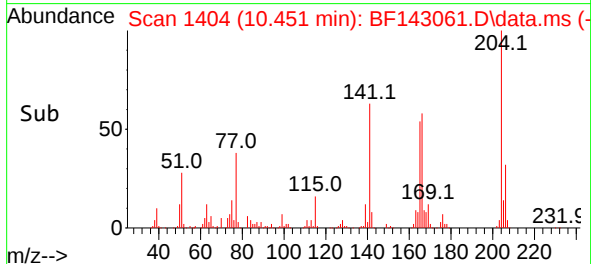
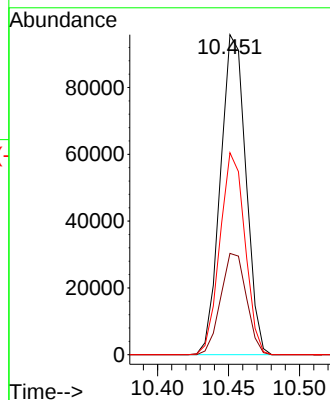
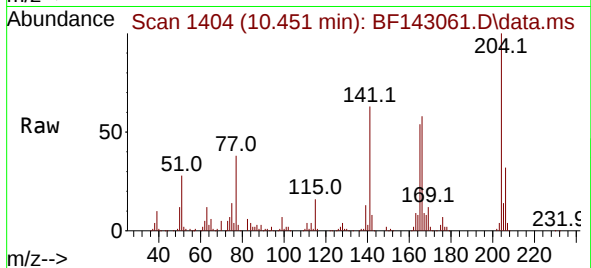




#61
4-Chlorophenyl-phenylether
Concen: 42.628 ng
RT: 10.451 min Scan# 1404
Delta R.T. -0.012 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

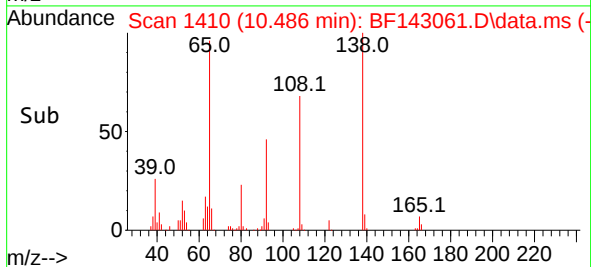
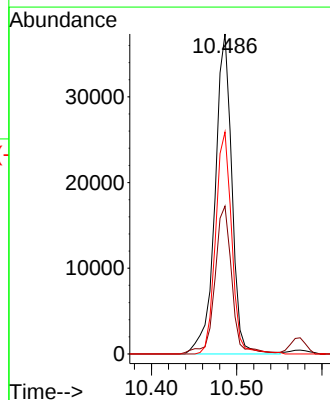
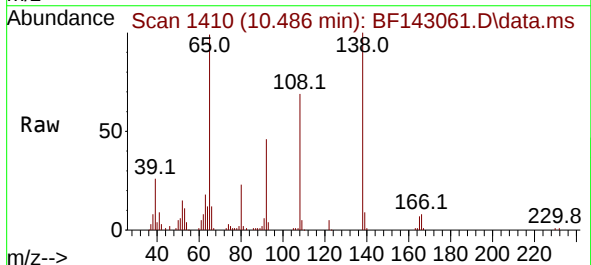
Instrument :
BNA_F
ClientSampleId :
TP-14MSD

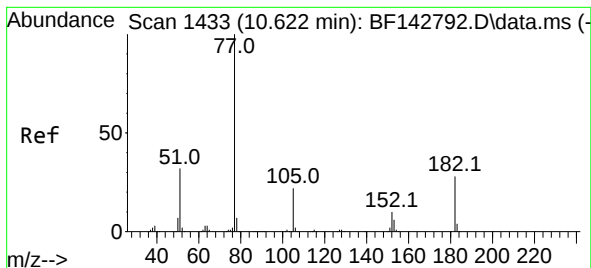
Tgt Ion:204 Resp: 119342
Ion Ratio Lower Upper
204 100
206 31.6 26.3 39.5
141 63.1 49.1 73.7



#62
4-Nitroaniline
Concen: 40.807 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

Tgt Ion:138 Resp: 51394
Ion Ratio Lower Upper
138 100
92 46.2 28.4 68.4
108 69.3 50.2 90.2





#63

Azobenzene

Concen: 45.607 ng

RT: 10.616 min Scan# 1432

Delta R.T. -0.006 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

Instrument :

BNA_F

ClientSampleId :

TP-14MSD

Tgt Ion: 77 Resp: 227625

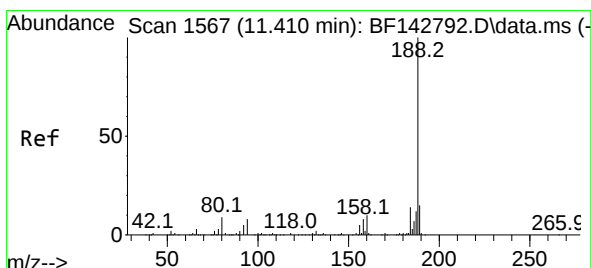
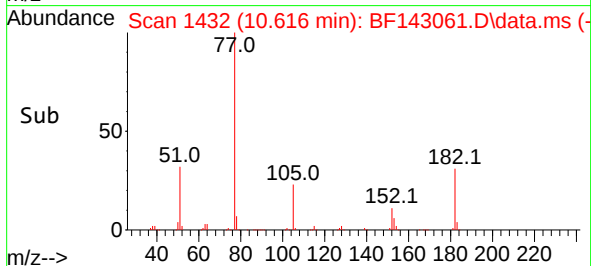
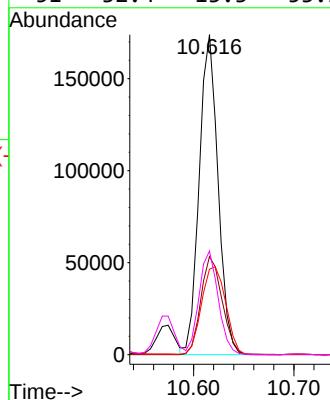
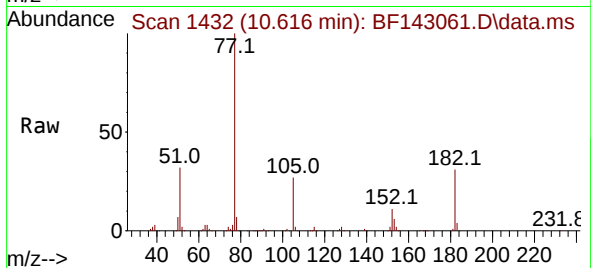
Ion Ratio Lower Upper

77 100

182 30.6 7.7 47.7

105 26.7 1.9 41.9

51 32.4 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: BF143061.D

Acq: 09 Jul 2025 17:30

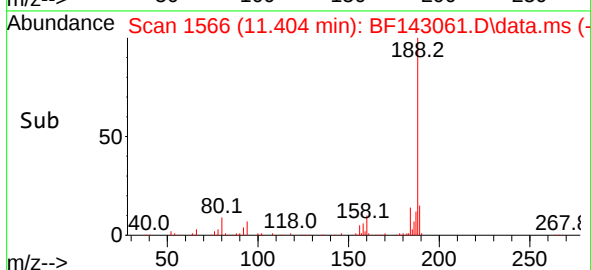
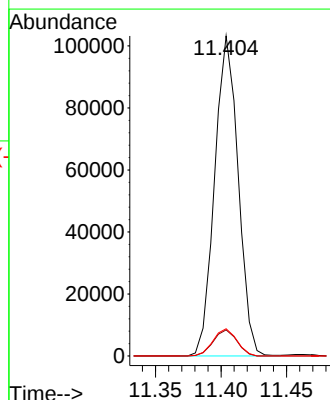
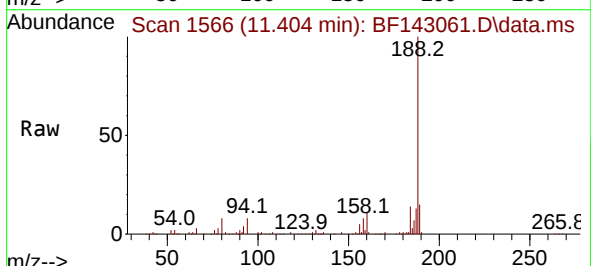
Tgt Ion: 188 Resp: 128612

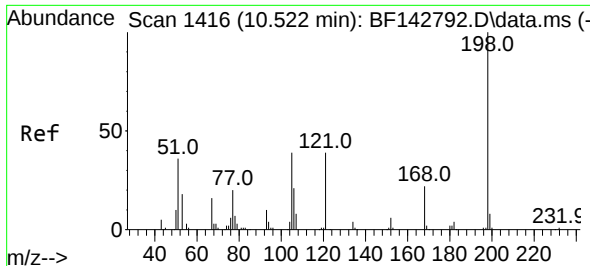
Ion Ratio Lower Upper

188 100

94 8.2 6.7 10.1

80 8.5 6.9 10.3

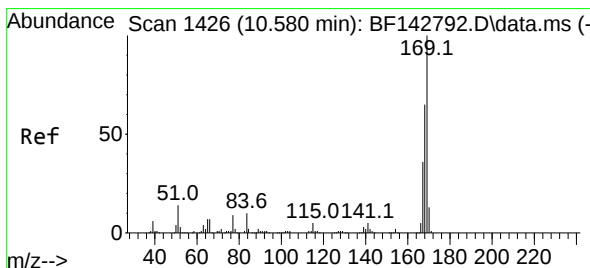
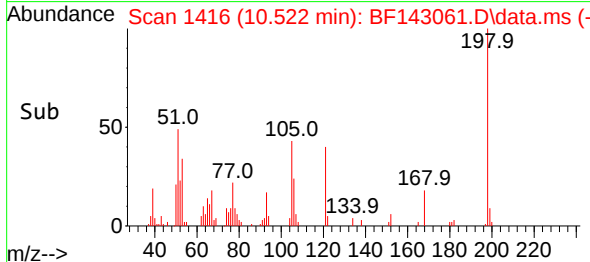
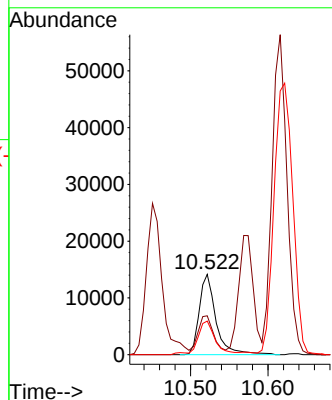
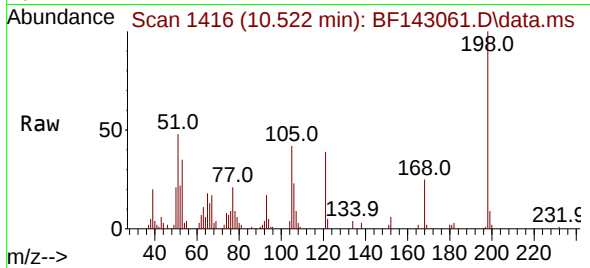




#65
4,6-Dinitro-2-methylphenol
Concen: 27.162 ng
RT: 10.522 min Scan# 1416
Delta R.T. 0.000 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

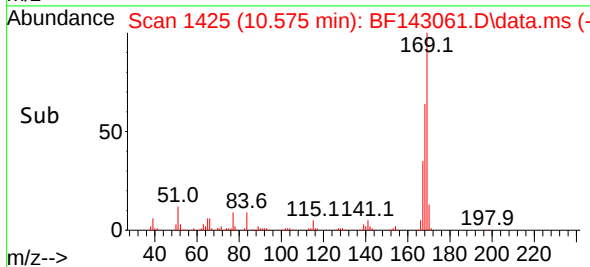
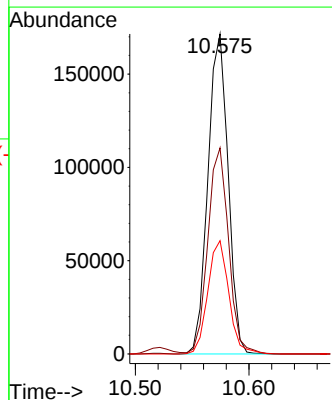
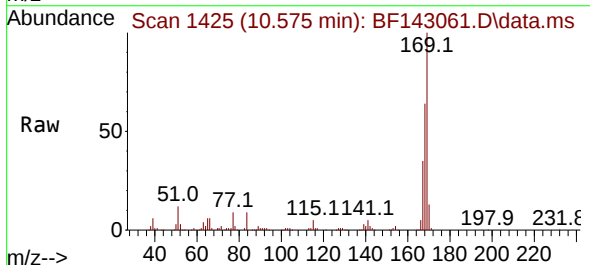
Instrument :
BNA_F
ClientSampleId :
TP-14MSD

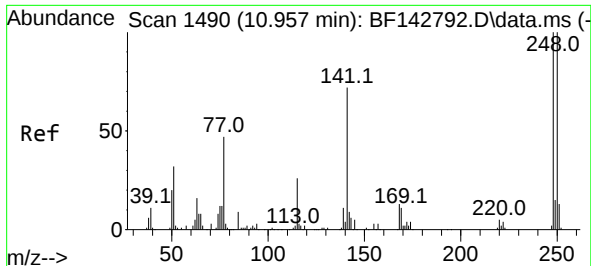
Tgt Ion:198 Resp: 21130
Ion Ratio Lower Upper
198 100
51 48.3 25.4 65.4
105 41.9 20.4 60.4



#66
n-Nitrosodiphenylamine
Concen: 47.487 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

Tgt Ion:169 Resp: 211666
Ion Ratio Lower Upper
169 100
168 64.4 51.9 77.9
167 35.4 28.5 42.7

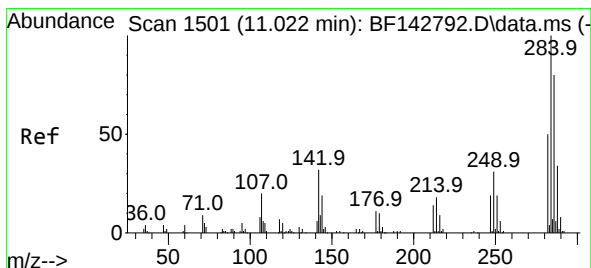
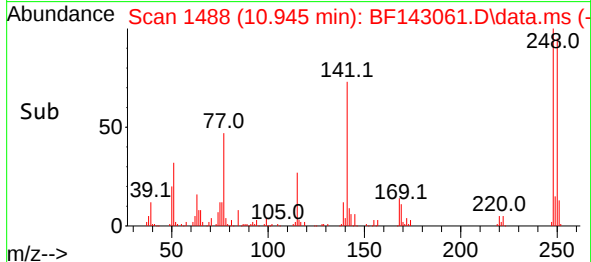
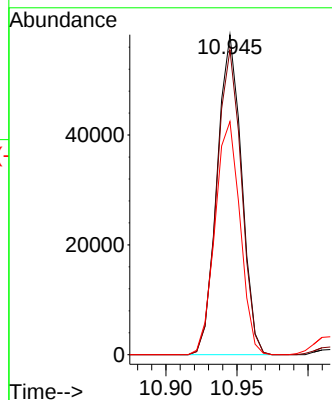
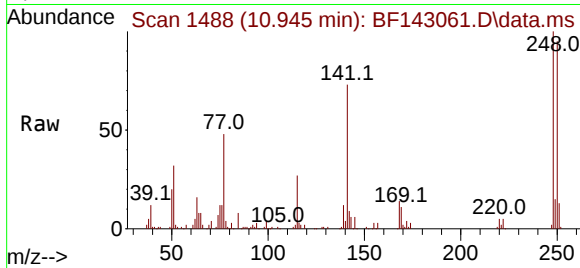




#67
4-Bromophenyl-phenylether
Concen: 47.557 ng
RT: 10.945 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

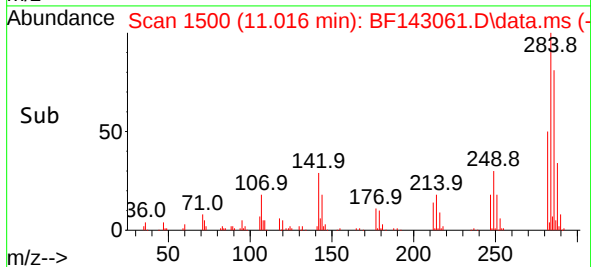
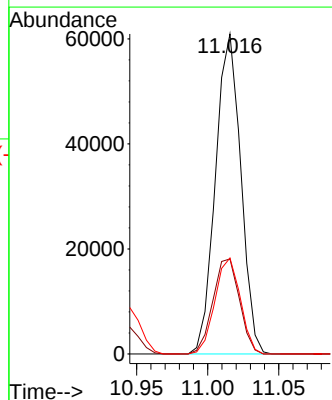
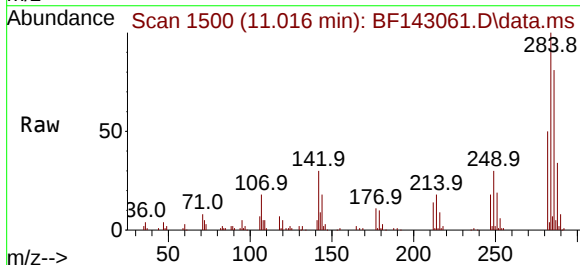
Instrument :
BNA_F
ClientSampleId :
TP-14MSD

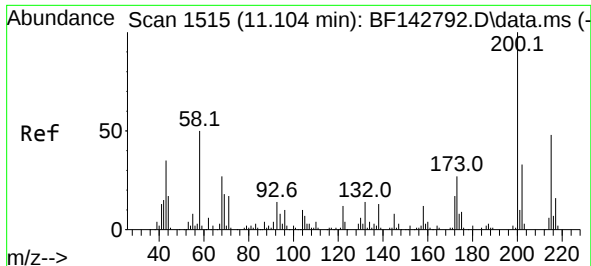
Tgt Ion:248 Resp: 69611
Ion Ratio Lower Upper
248 100
250 95.3 79.8 119.8
141 72.8 57.8 86.6



#68
Hexachlorobenzene
Concen: 46.491 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

Tgt Ion:284 Resp: 75615
Ion Ratio Lower Upper
284 100
142 29.7 25.5 38.3
249 30.0 24.9 37.3

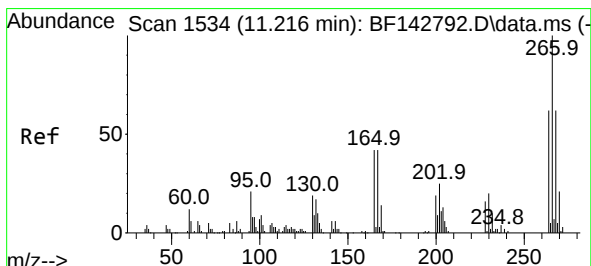
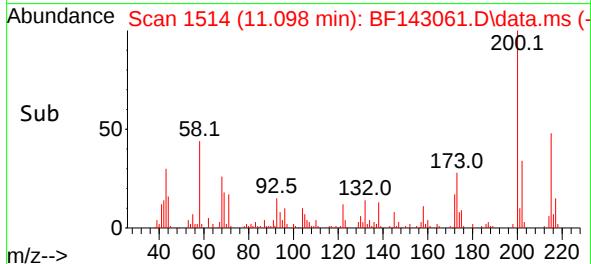
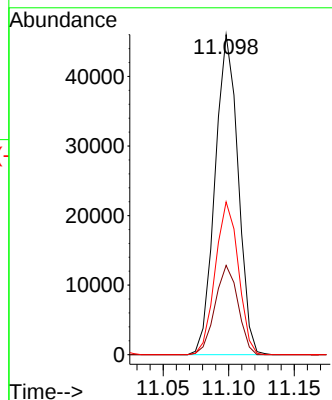
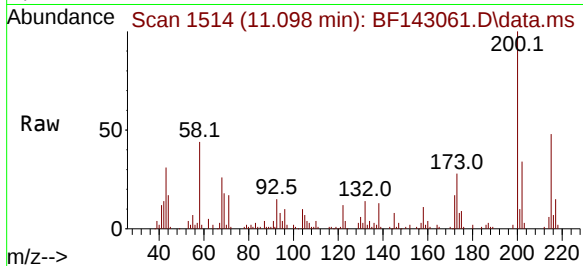




#69
 Atrazine
 Concen: 48.773 ng
 RT: 11.098 min Scan# 1514
 Delta R.T. -0.006 min
 Lab File: BF143061.D
 Acq: 09 Jul 2025 17:30

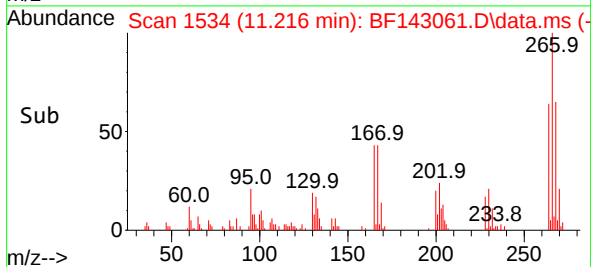
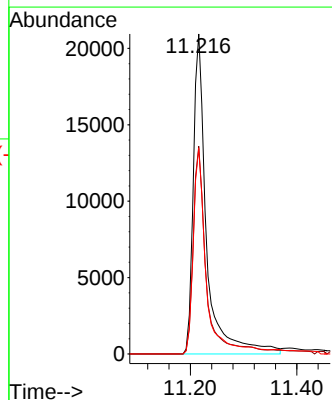
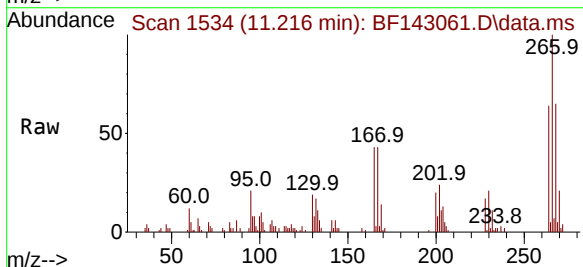
Instrument :
 BNA_F
 ClientSampleId :
 TP-14MSD

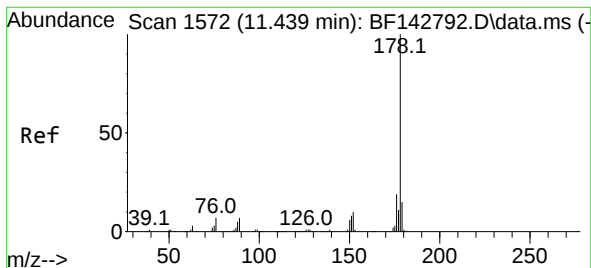
Tgt Ion:200 Resp: 56139
 Ion Ratio Lower Upper
 200 100
 173 27.9 7.4 47.4
 215 47.8 28.4 68.4



#70
 Pentachlorophenol
 Concen: 45.150 ng
 RT: 11.216 min Scan# 1534
 Delta R.T. 0.000 min
 Lab File: BF143061.D
 Acq: 09 Jul 2025 17:30

Tgt Ion:266 Resp: 36592
 Ion Ratio Lower Upper
 266 100
 268 64.9 49.8 74.8
 264 64.2 49.9 74.9





#71

Phenanthrene

Concen: 44.951 ng

RT: 11.427 min Scan# 1570

Delta R.T. -0.012 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

Instrument :

BNA_F

ClientSampleId :

TP-14MSD

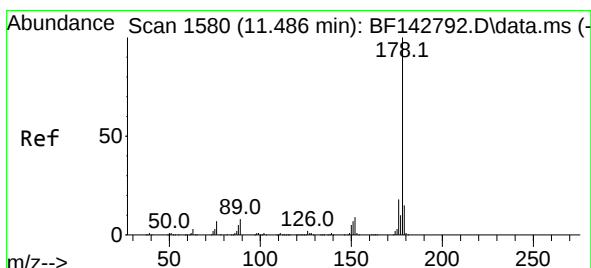
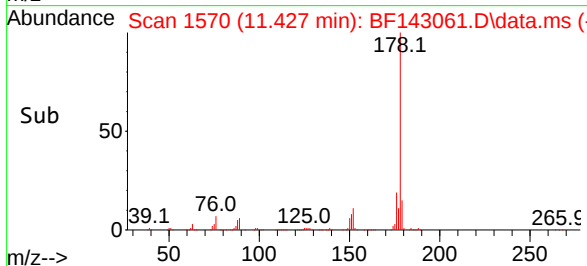
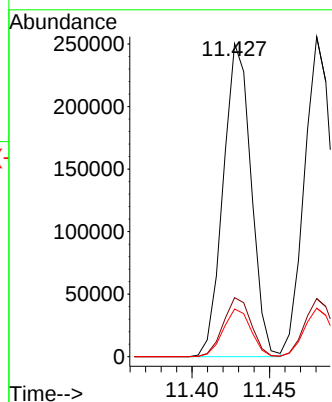
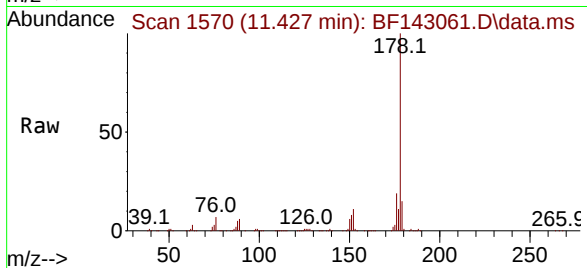
Tgt Ion:178 Resp: 313167

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

179 15.2 12.0 18.0



#72

Anthracene

Concen: 44.714 ng

RT: 11.480 min Scan# 1579

Delta R.T. -0.006 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

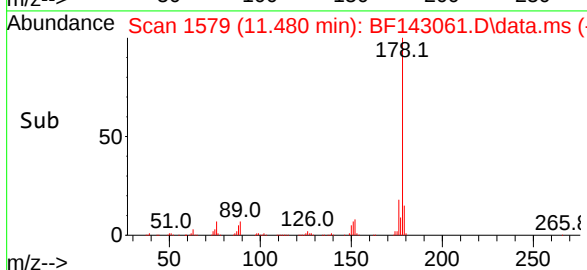
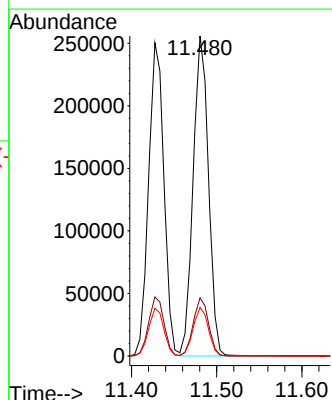
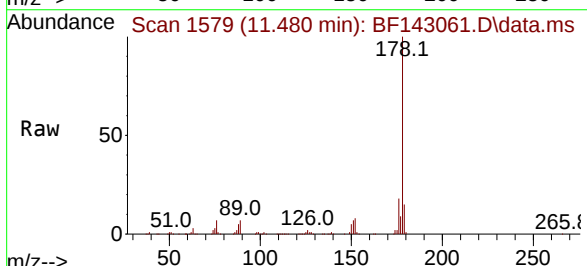
Tgt Ion:178 Resp: 319487

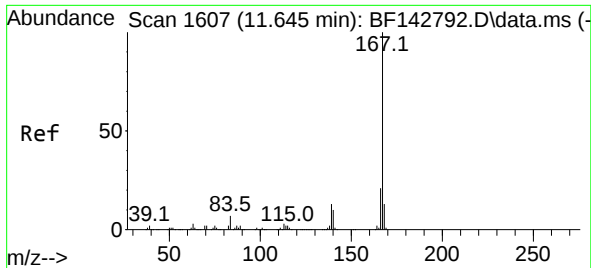
Ion Ratio Lower Upper

178 100

176 18.1 14.6 21.8

179 15.1 12.4 18.6

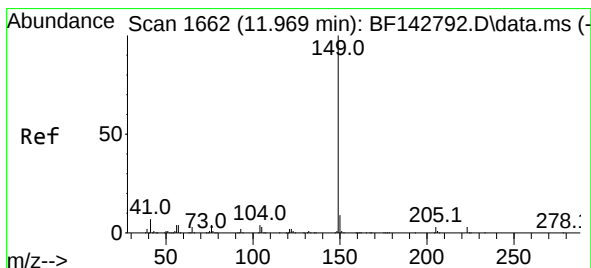
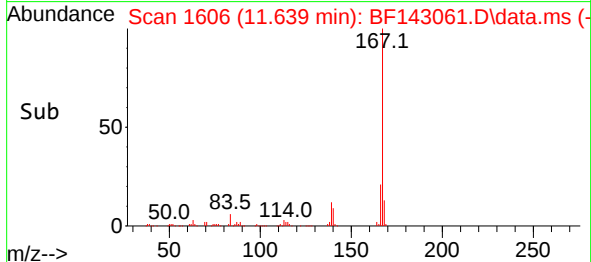
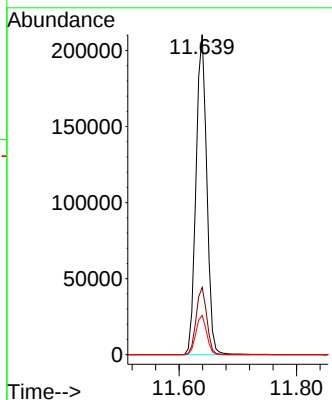
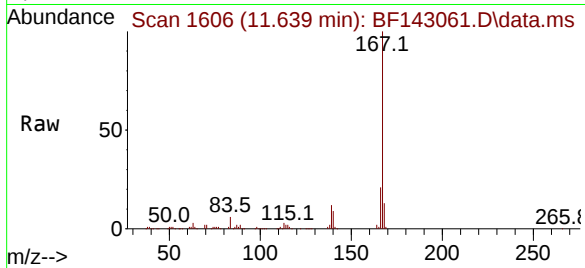




#73
Carbazole
Concen: 43.370 ng
RT: 11.639 min Scan# 1606
Delta R.T. -0.006 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

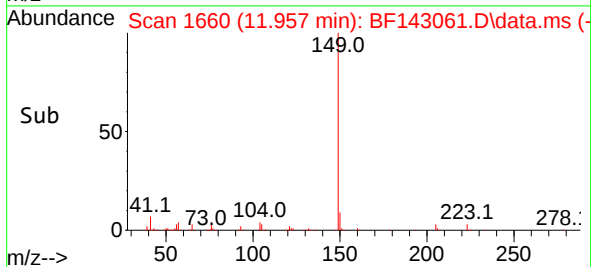
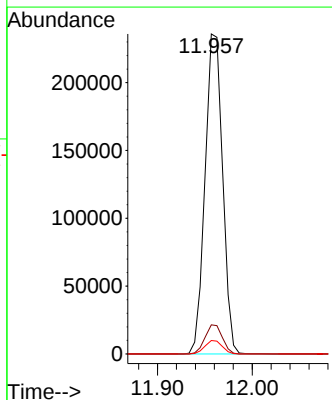
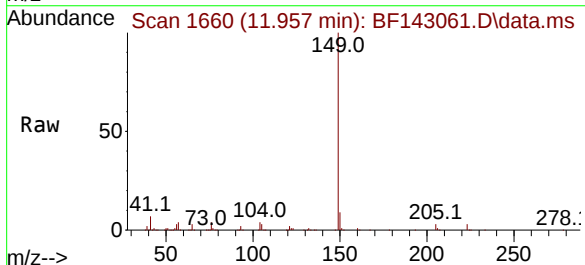
Instrument :
BNA_F
ClientSampleId :
TP-14MSD

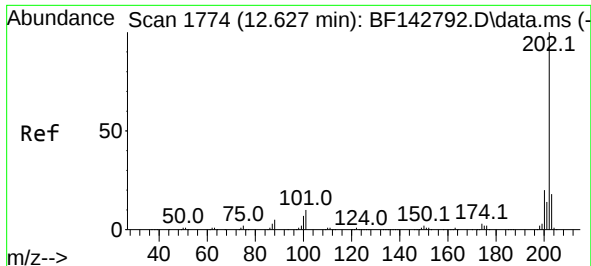
Tgt Ion:167 Resp: 267422
Ion Ratio Lower Upper
167 100
166 21.0 17.0 25.4
139 12.3 10.2 15.2



#74
Di-n-butylphthalate
Concen: 47.208 ng
RT: 11.957 min Scan# 1660
Delta R.T. -0.012 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

Tgt Ion:149 Resp: 303241
Ion Ratio Lower Upper
149 100
150 9.1 7.4 11.0
104 4.2 3.5 5.3

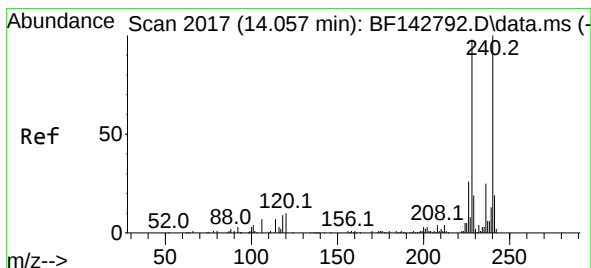
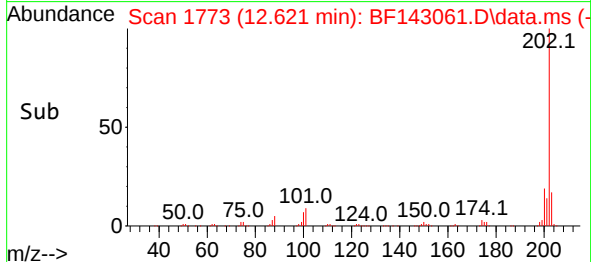
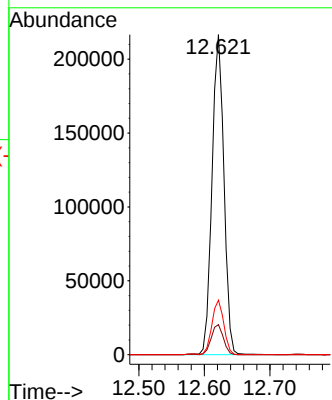
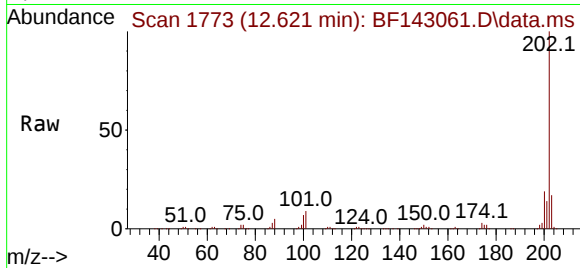




#75
Fluoranthene
Concen: 41.311 ng
RT: 12.621 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

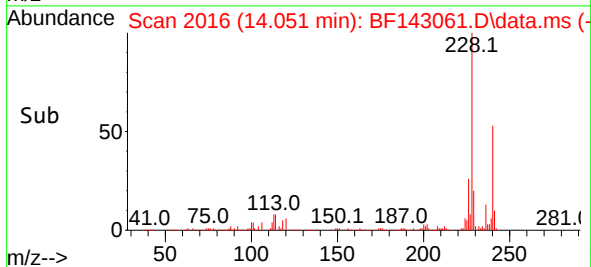
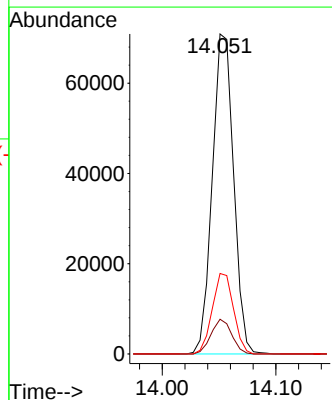
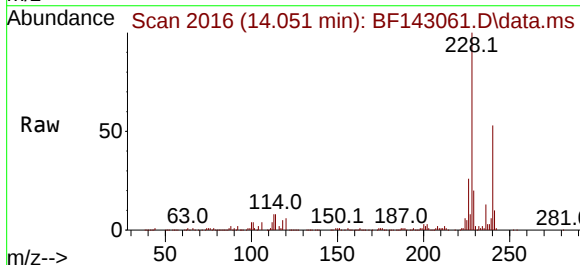
Instrument :
BNA_F
ClientSampleId :
TP-14MSD

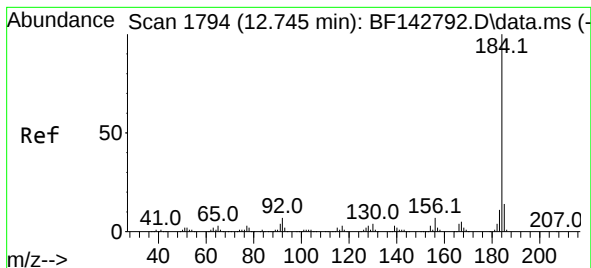
Tgt Ion:202 Resp: 273144
Ion Ratio Lower Upper
202 100
101 9.4 0.0 29.7
203 17.0 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

Tgt Ion:240 Resp: 92445
Ion Ratio Lower Upper
240 100
120 10.9 8.2 12.2
236 25.1 19.8 29.8





#77

Benzidine

Concen: 29.759 ng

RT: 12.745 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

Instrument :

BNA_F

ClientSampleId :

TP-14MSD

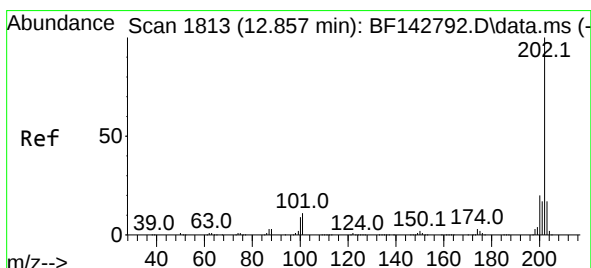
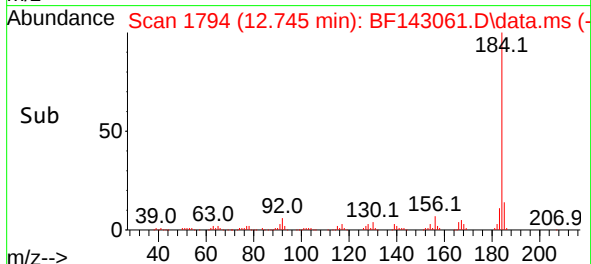
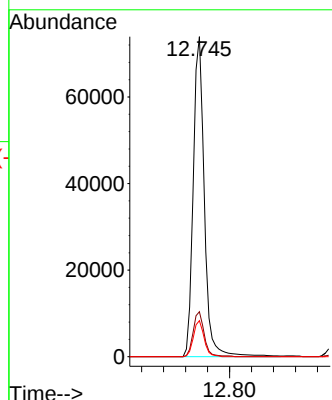
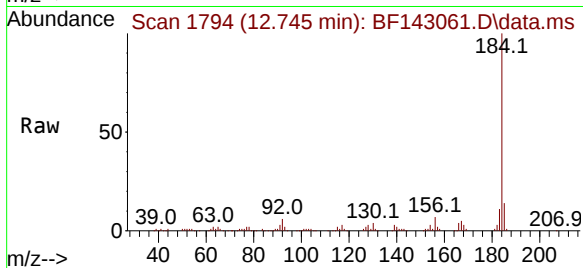
Tgt Ion:184 Resp: 103360

Ion Ratio Lower Upper

184 100

185 14.1 11.5 17.3

183 11.3 9.0 13.4



#78

Pyrene

Concen: 31.128 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

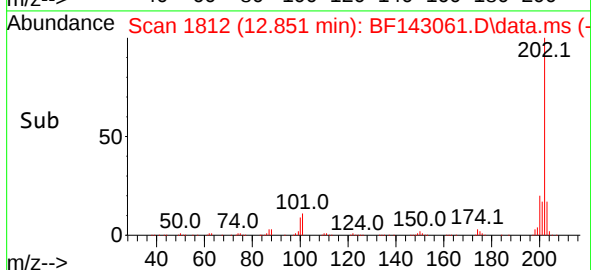
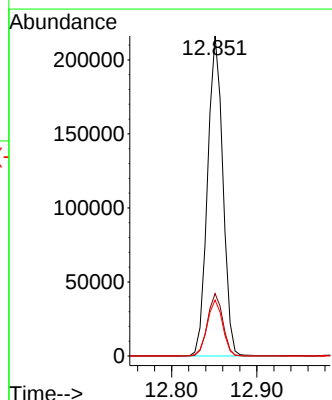
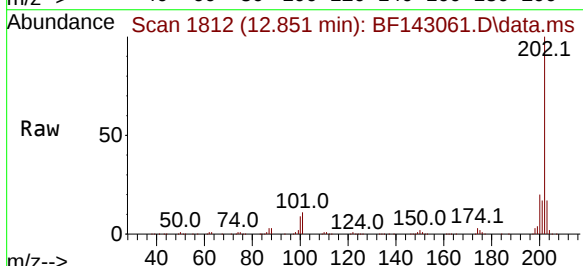
Tgt Ion:202 Resp: 269733

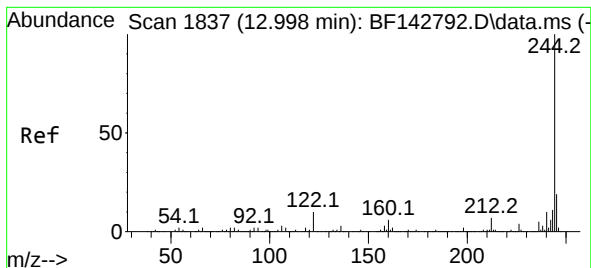
Ion Ratio Lower Upper

202 100

200 19.5 15.7 23.5

203 17.5 13.8 20.6





#79

Terphenyl-d14

Concen: 33.496 ng

RT: 12.986 min Scan# 1835

Delta R.T. -0.012 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

Instrument :

BNA_F

ClientSampleId :

TP-14MSD

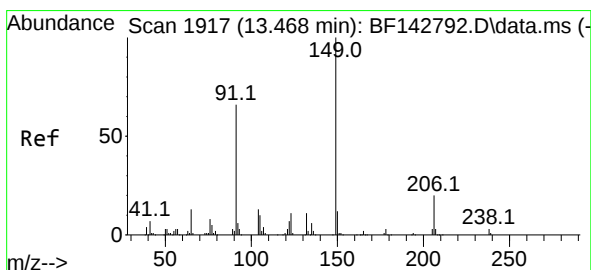
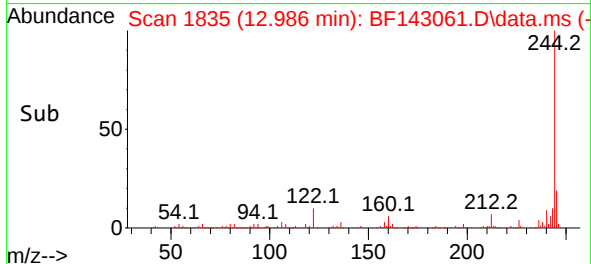
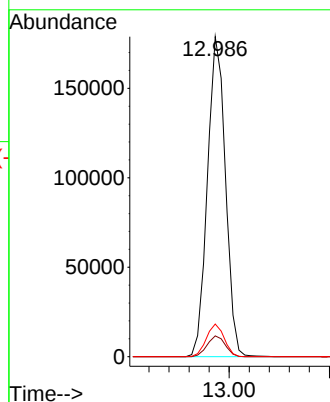
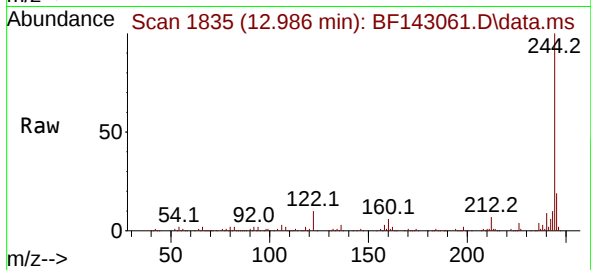
Tgt Ion:244 Resp: 224108

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 10.2 8.2 12.2



#80

Butylbenzylphthalate

Concen: 40.438 ng

RT: 13.463 min Scan# 1916

Delta R.T. -0.006 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

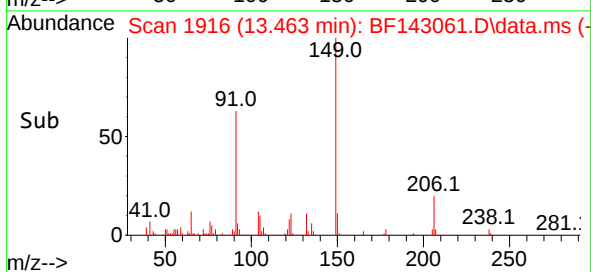
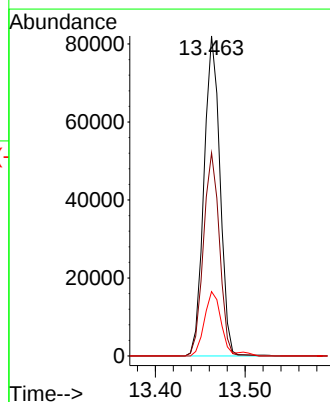
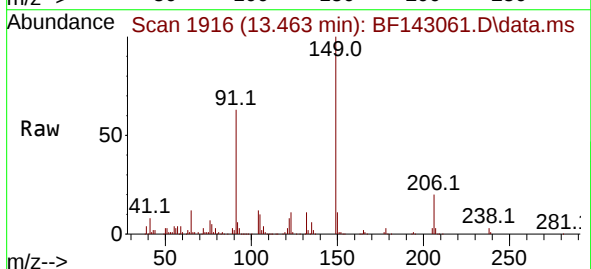
Tgt Ion:149 Resp: 101642

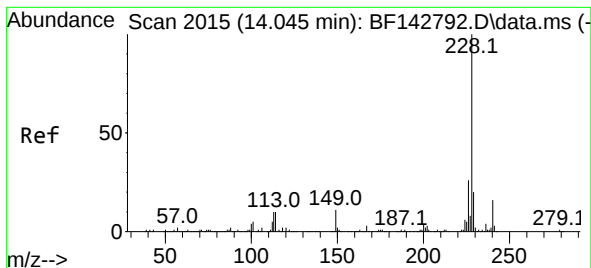
Ion Ratio Lower Upper

149 100

91 63.5 52.9 79.3

206 20.1 16.3 24.5





#81

Benzo(a)anthracene

Concen: 43.943 ng

RT: 14.045 min Scan# 2015

Delta R.T. 0.000 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

Instrument :

BNA_F

ClientSampleId :

TP-14MSD

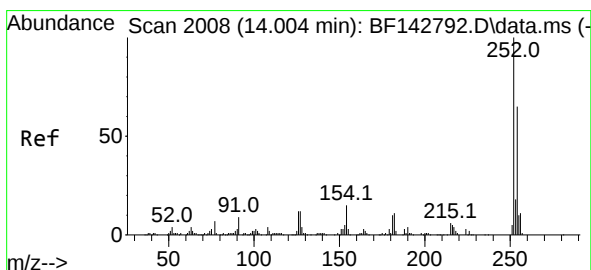
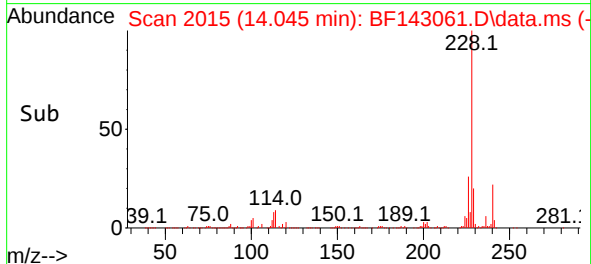
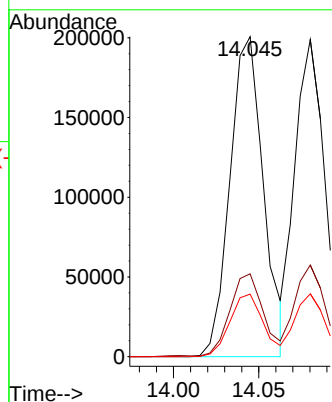
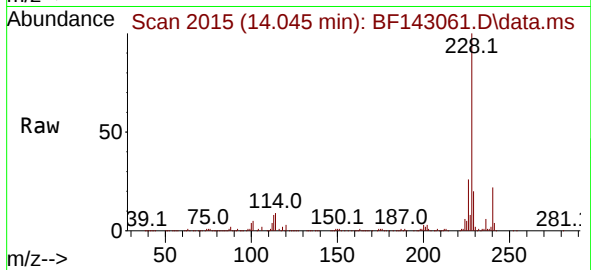
Tgt Ion:228 Resp: 274046

Ion Ratio Lower Upper

228 100

226 25.9 21.2 31.8

229 19.6 15.6 23.4



#82

3,3'-Dichlorobenzidine

Concen: 26.404 ng

RT: 14.004 min Scan# 2008

Delta R.T. 0.000 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

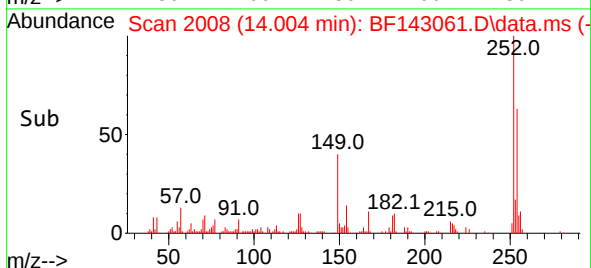
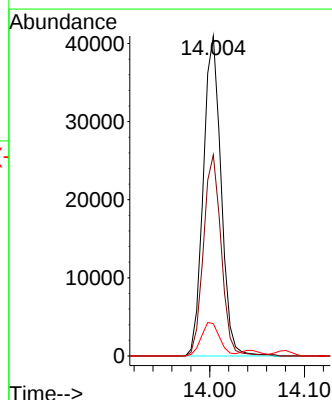
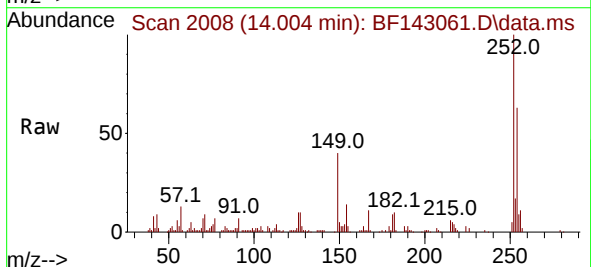
Tgt Ion:252 Resp: 53410

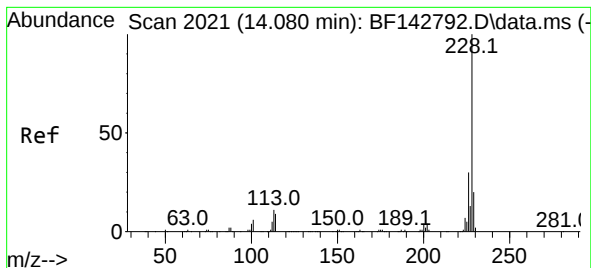
Ion Ratio Lower Upper

252 100

254 62.8 51.7 77.5

126 10.1 9.4 14.2





#83

Chrysene

Concen: 43.431 ng

RT: 14.080 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

Instrument :

BNA_F

ClientSampleId :

TP-14MSD

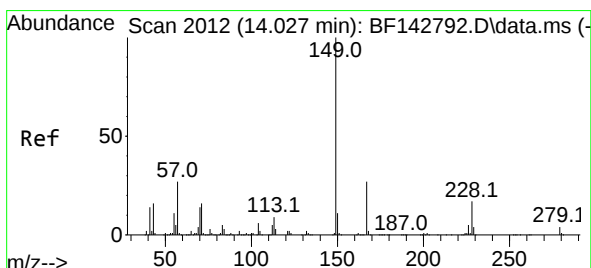
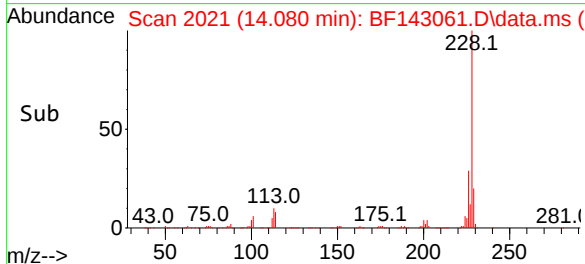
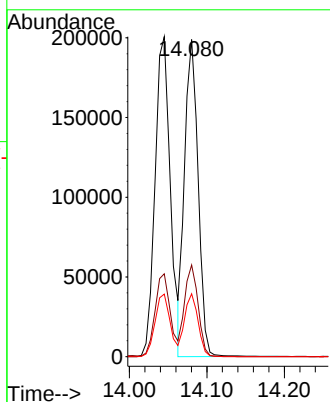
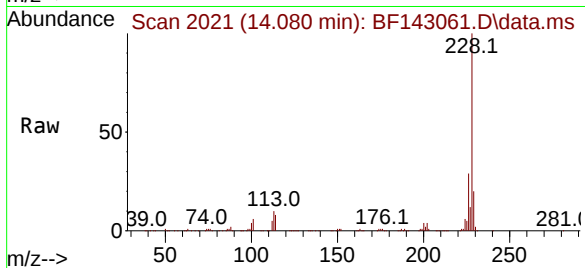
Tgt Ion:228 Resp: 241689

Ion Ratio Lower Upper

228 100

226 28.9 23.7 35.5

229 19.8 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 37.021 ng

RT: 14.021 min Scan# 2011

Delta R.T. -0.006 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

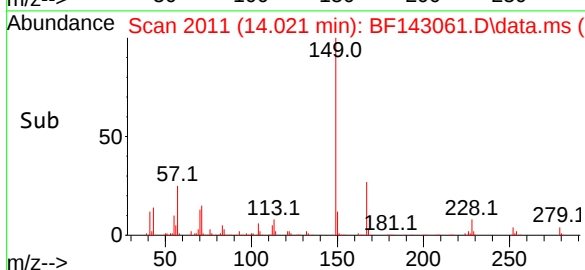
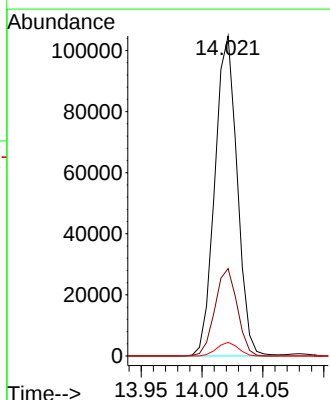
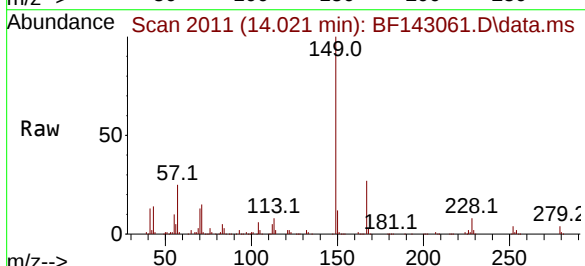
Tgt Ion:149 Resp: 133883

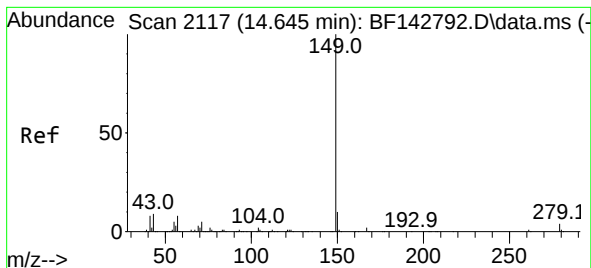
Ion Ratio Lower Upper

149 100

167 27.3 21.4 32.0

279 4.3 3.0 4.6





#85

Di-n-octyl phthalate

Concen: 38.077 ng

RT: 14.633 min Scan# 2115

Delta R.T. -0.012 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

Instrument :

BNA_F

ClientSampleId :

TP-14MSD

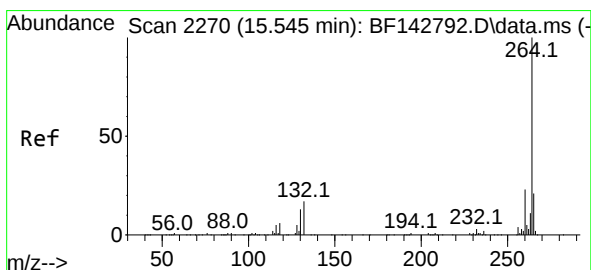
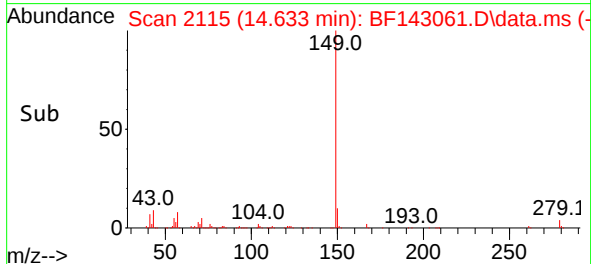
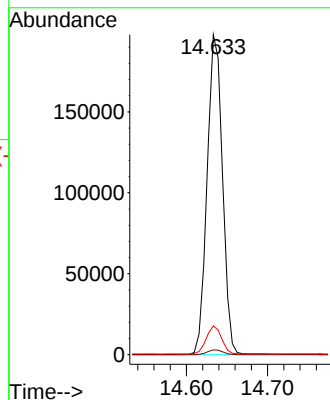
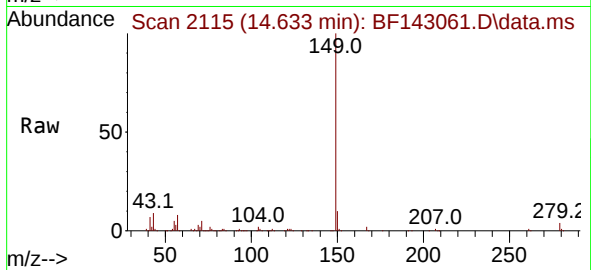
Tgt Ion:149 Resp: 259655

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

43 8.6 7.6 11.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 2271

Delta R.T. 0.006 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

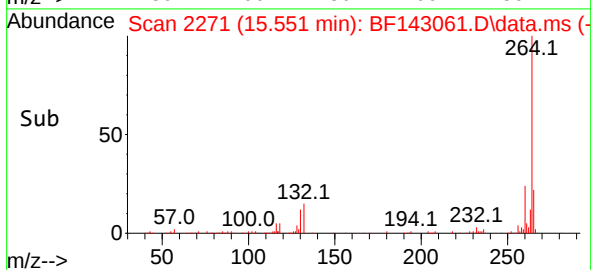
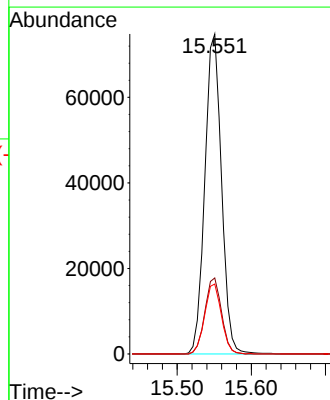
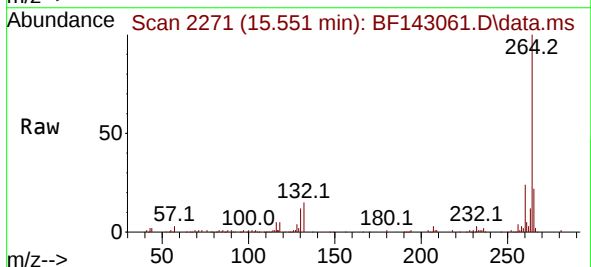
Tgt Ion:264 Resp: 117034

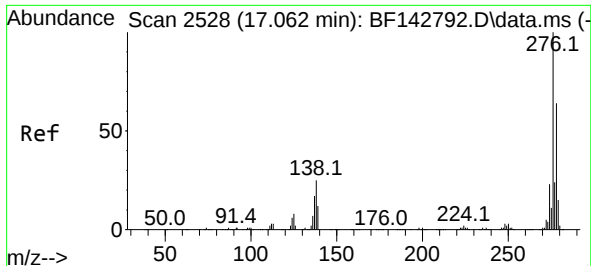
Ion Ratio Lower Upper

264 100

260 23.7 18.1 27.1

265 21.8 16.6 25.0

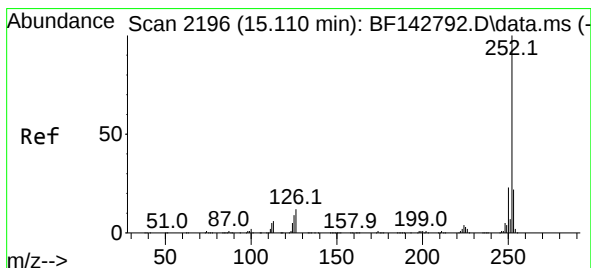
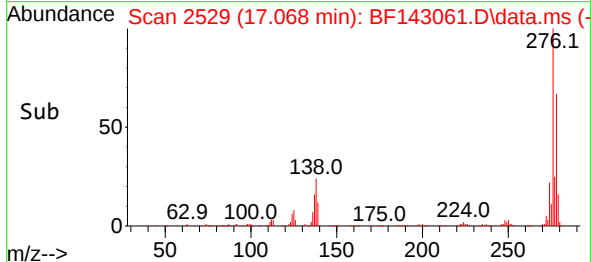
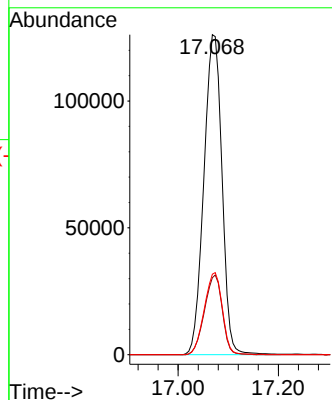
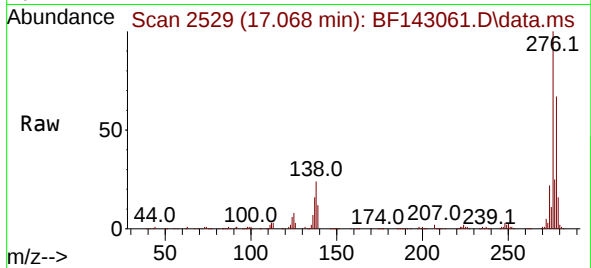




#87
Indeno(1,2,3-cd)pyrene
Concen: 35.508 ng
RT: 17.068 min Scan# 2196
Delta R.T. 0.006 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

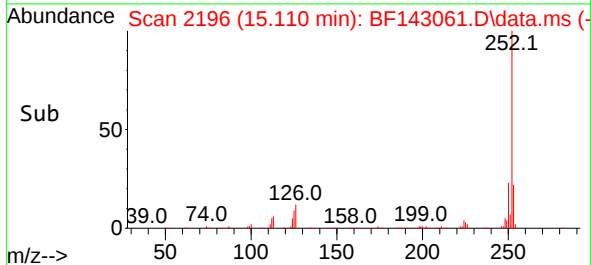
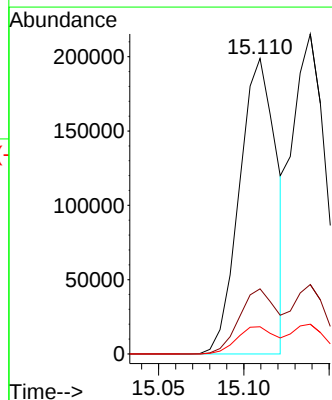
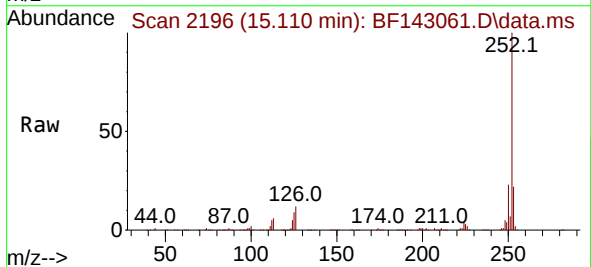
Instrument :
BNA_F
ClientSampleId :
TP-14MSD

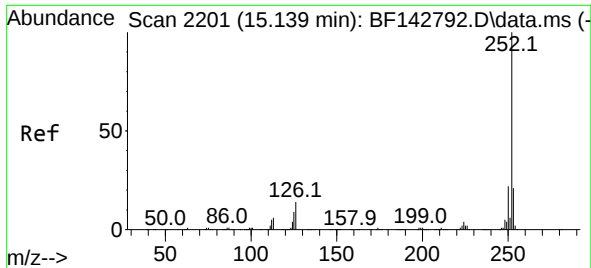
Tgt Ion:276 Resp: 316533
Ion Ratio Lower Upper
276 100
138 24.4 20.2 30.4
277 25.5 19.8 29.6



#88
Benzo(b)fluoranthene
Concen: 44.279 ng
RT: 15.110 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

Tgt Ion:252 Resp: 299861
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 9.2 7.4 11.0

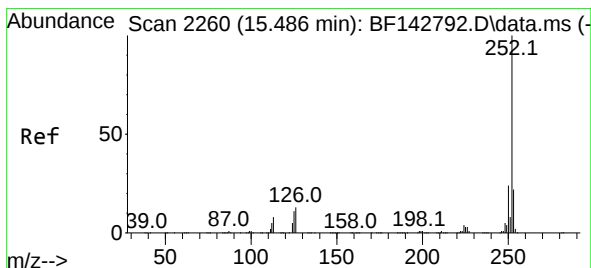
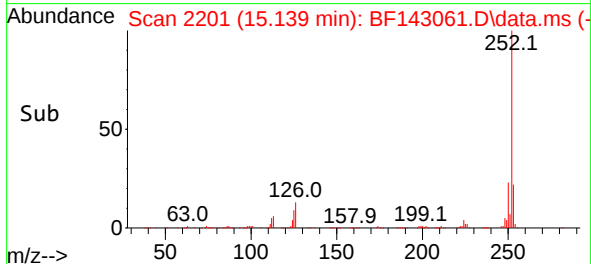
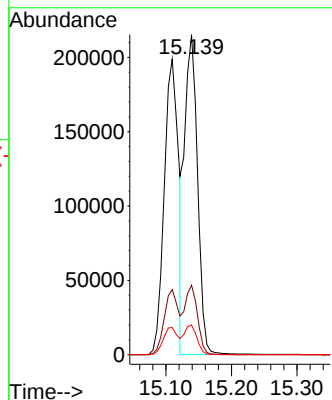
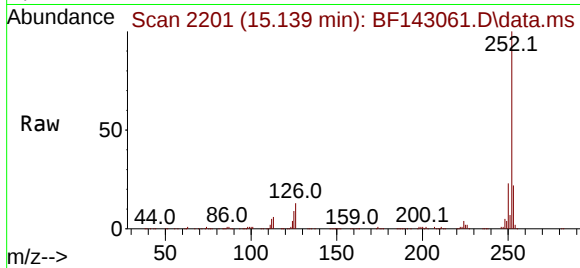




#89
Benzo(k)fluoranthene
Concen: 46.565 ng
RT: 15.139 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

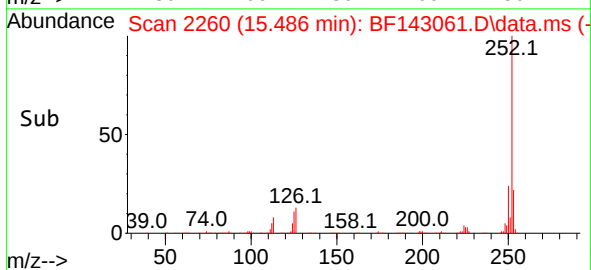
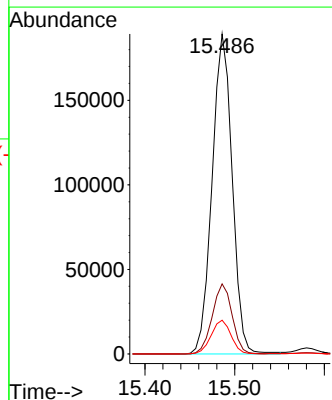
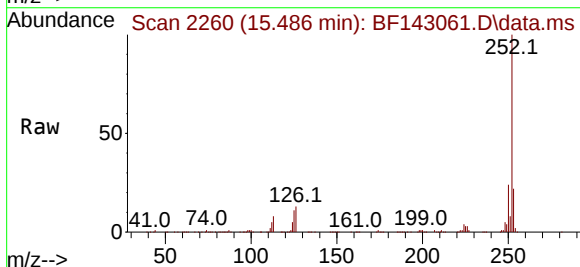
Instrument :
BNA_F
ClientSampleId :
TP-14MSD

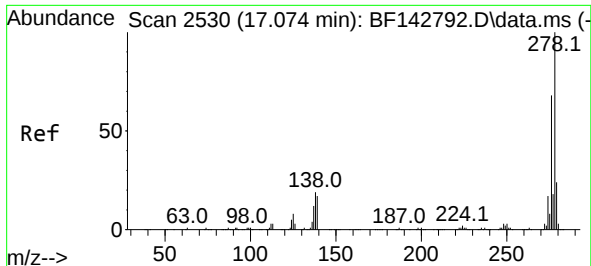
Tgt Ion:252 Resp: 295028
Ion Ratio Lower Upper
252 100
253 21.7 17.2 25.8
125 9.3 7.4 11.2



#90
Benzo(a)pyrene
Concen: 44.991 ng
RT: 15.486 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

Tgt Ion:252 Resp: 294343
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 10.5 8.6 12.8

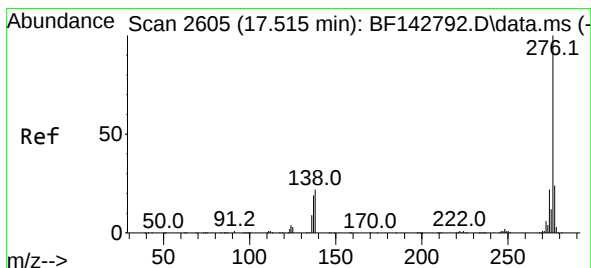
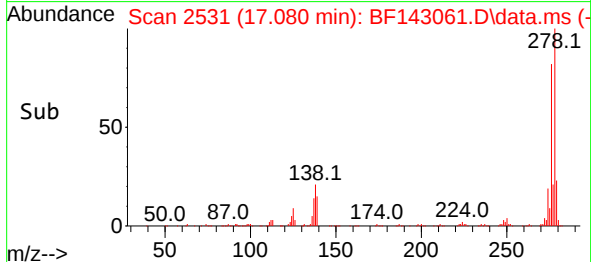
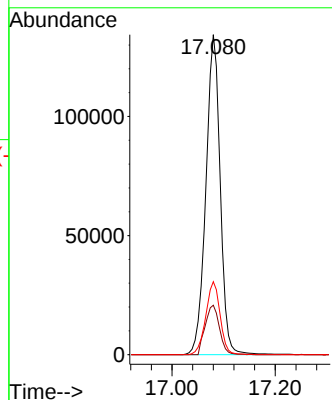
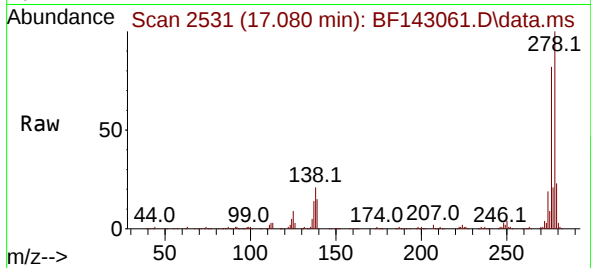




#91
Dibenzo(a,h)anthracene
Concen: 35.699 ng
RT: 17.080 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

Instrument :
BNA_F
ClientSampleId :
TP-14MSD

Tgt Ion:278 Resp: 258572
Ion Ratio Lower Upper
278 100
139 15.5 13.5 20.3
279 22.8 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 32.679 ng
RT: 17.527 min Scan# 2607
Delta R.T. 0.012 min
Lab File: BF143061.D
Acq: 09 Jul 2025 17:30

Tgt Ion:276 Resp: 236028
Ion Ratio Lower Upper
276 100
277 24.0 18.8 28.2
138 20.5 17.6 26.4

