

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081225\
 Data File : BF143353.D
 Acq On : 12 Aug 2025 14:53
 Operator : RC/JU
 Sample : PB169189BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB169189BS

Quant Time: Aug 12 15:11:15 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:25:39 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	165936	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	641337	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	345183	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	531787	20.000	ng	0.00
76) Chrysene-d12	14.092	240	305054	20.000	ng	0.00
86) Perylene-d12	15.580	264	338125	20.000	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	1176602	122.616	ng	0.01
7) Phenol-d6	6.563	99	1523405	123.800	ng	0.00
23) Nitrobenzene-d5	7.487	82	971531	94.335	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	402111	159.399	ng	0.00
45) 2-Fluorobiphenyl	9.287	172	1736835	85.324	ng	0.00
79) Terphenyl-d14	13.033	244	1499571	87.763	ng	0.00

Target Compounds					Qvalue
2) 1,4-Dioxane	2.863	88	192952	38.859	ng 100
3) Pyridine	3.616	79	527767	39.886	ng 100
4) n-Nitrosodimethylamine	3.558	42	289391	46.951	ng 98
6) Aniline	6.593	93	630979	36.372	ng 97
8) 2-Chlorophenol	6.716	128	477865	46.605	ng 99
9) Benzaldehyde	6.481	77	275375	33.858	ng 99
10) Phenol	6.575	94	649400	44.548	ng 98
11) bis(2-Chloroethyl)ether	6.663	93	471401	43.877	ng 100
12) 1,3-Dichlorobenzene	6.875	146	521614	44.105	ng 99
13) 1,4-Dichlorobenzene	6.946	146	527695	44.456	ng 99
14) 1,2-Dichlorobenzene	7.098	146	510010	45.263	ng 99
15) Benzyl Alcohol	7.069	79	422723	47.924	ng 99
16) 2,2'-oxybis(1-Chloropr...	7.204	45	856643	44.662	ng 96
17) 2-Methylphenol	7.181	107	410128	47.386	ng 99
18) Hexachloroethane	7.446	117	176666	47.473	ng 98
19) n-Nitroso-di-n-propyla...	7.340	70	349687	45.990	ng 100
20) 3+4-Methylphenols	7.334	107	486422	46.471	ng 99
22) Acetophenone	7.334	105	645276	45.665	ng 99
24) Nitrobenzene	7.510	77	523992	46.849	ng 98
25) Isophorone	7.745	82	987069	46.949	ng 99
26) 2-Nitrophenol	7.822	139	223468	49.716	ng 98
27) 2,4-Dimethylphenol	7.863	122	449469	51.243	ng 100
28) bis(2-Chloroethoxy)met...	7.951	93	592892	46.189	ng 100
29) 2,4-Dichlorophenol	8.069	162	411252	48.004	ng 99
30) 1,2,4-Trichlorobenzene	8.151	180	427753	47.335	ng 99
31) Naphthalene	8.234	128	1370665	44.415	ng 100
32) Benzoic acid	7.981	122	201615	51.609	ng 98
33) 4-Chloroaniline	8.275	127	345120	31.006	ng 99
34) Hexachlorobutadiene	8.351	225	251531	44.745	ng 100
35) Caprolactam	8.640	113	85780	35.618	ng 94
36) 4-Chloro-3-methylphenol	8.763	107	439359	48.920	ng 99
37) 2-Methylnaphthalene	8.922	142	839047	41.357	ng 100
38) 1-Methylnaphthalene	9.022	142	862290	44.130	ng 99
40) 1,2,4,5-Tetrachloroben...	9.092	216	420596	44.528	ng 99
41) Hexachlorocyclopentadiene	9.081	237	423657	123.246	ng 98
43) 2,4,6-Trichlorophenol	9.204	196	275429	51.392	ng 99

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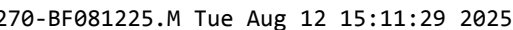
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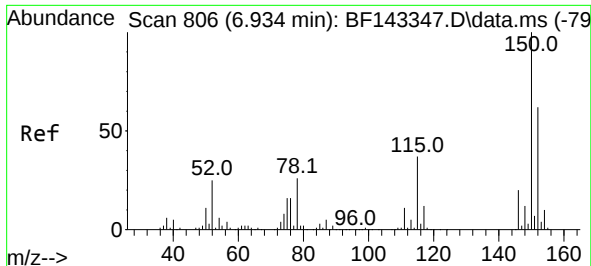
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	302307	49.951	ng	99
46) 1,1'-Biphenyl	9.387	154	1121150	45.937	ng	99
47) 2-Chloronaphthalene	9.410	162	865384	45.021	ng	99
48) 2-Nitroaniline	9.504	65	276499	49.767	ng	99
49) Acenaphthylene	9.828	152	1415209	50.983	ng	100
50) Dimethylphthalate	9.687	163	990050	49.086	ng	100
51) 2,6-Dinitrotoluene	9.745	165	211344	54.918	ng	96
52) Acenaphthene	10.004	154	884703	47.940	ng	100
53) 3-Nitroaniline	9.916	138	162576	39.359	ng	97
54) 2,4-Dinitrophenol	10.022	184	162049	92.709	ng	89
55) Dibenzofuran	10.175	168	1213361	45.684	ng	99
56) 4-Nitrophenol	10.081	139	325418	97.305	ng	97
57) 2,4-Dinitrotoluene	10.151	165	277162	54.302	ng	94
58) Fluorene	10.516	166	930533	45.869	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.292	232	261466	64.089	ng	96
60) Diethylphthalate	10.387	149	903138	49.990	ng	99
61) 4-Chlorophenyl-phenyle...	10.504	204	454878	46.404	ng	99
62) 4-Nitroaniline	10.528	138	213830	53.506	ng	98
63) Azobenzene	10.663	77	993057	48.123	ng	100
65) 4,6-Dinitro-2-methylph...	10.563	198	116908	53.379	ng	94
66) n-Nitrosodiphenylamine	10.622	169	827105	47.235	ng	99
67) 4-Bromophenyl-phenylether	10.992	248	286617	47.126	ng	98
68) Hexachlorobenzene	11.069	284	303457	46.289	ng	99
69) Atrazine	11.145	200	237139	51.923	ng	99
70) Pentachlorophenol	11.263	266	304667	93.837	ng	97
71) Phenanthrene	11.481	178	1303687	44.933	ng	99
72) Anthracene	11.528	178	1351509	45.931	ng	100
73) Carbazole	11.681	167	1141159	45.538	ng	98
74) Di-n-butylphthalate	12.010	149	1150281	54.244	ng	100
75) Fluoranthene	12.663	202	1159235	45.612	ng	99
77) Benzidine	12.780	184	306418	36.741	ng	99
78) Pyrene	12.892	202	1157188	45.218	ng	100
80) Butylbenzylphthalate	13.504	149	263013	51.728	ng	99
81) Benzo(a)anthracene	14.080	228	910629	46.966	ng	99
82) 3,3'-Dichlorobenzidine	14.039	252	183468	35.043	ng	99
83) Chrysene	14.116	228	845788	46.782	ng	99
84) Bis(2-ethylhexyl)phtha...	14.063	149	369793	49.572	ng	99
85) Di-n-octyl phthalate	14.674	149	718314	48.439	ng	97
87) Indeno(1,2,3-cd)pyrene	17.098	276	1133370	46.786	ng	100
88) Benzo(b)fluoranthene	15.145	252	899347	48.629	ng	99
89) Benzo(k)fluoranthene	15.174	252	850796	47.344	ng	99
90) Benzo(a)pyrene	15.516	252	872401	50.085	ng	100
91) Dibenzo(a,h)anthracene	17.115	278	913300	47.192	ng	99
92) Benzo(g,h,i)perylene	17.557	276	928308	47.616	ng	97

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

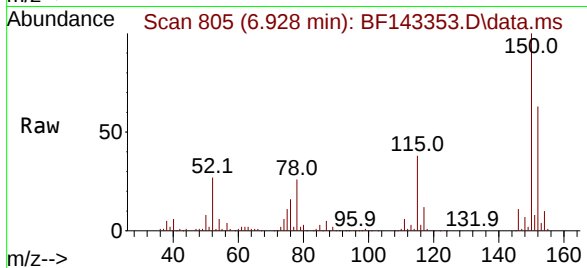
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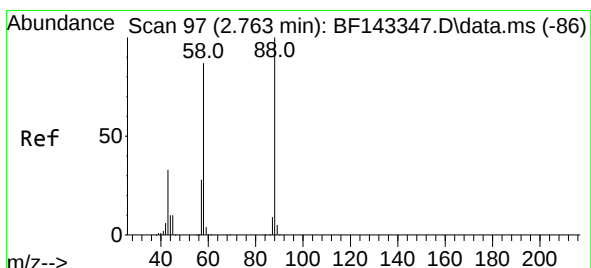
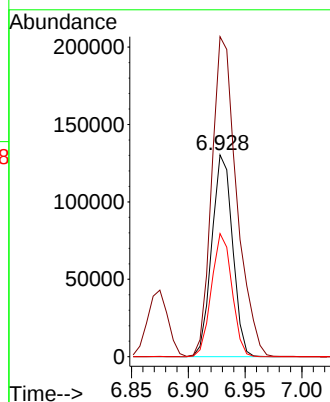
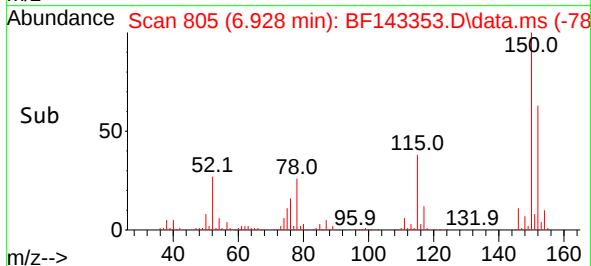


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan# 806
 Delta R.T. -0.006 min
 Lab File: BF143353.D
 Acq: 12 Aug 2025 14:53

Instrument :
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 PB169189BS

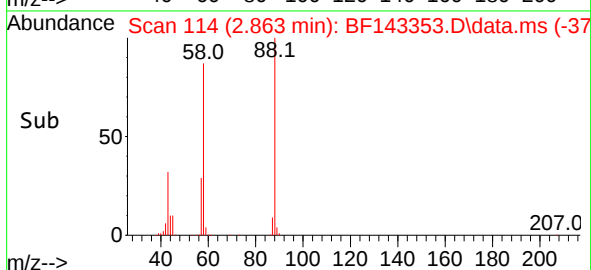
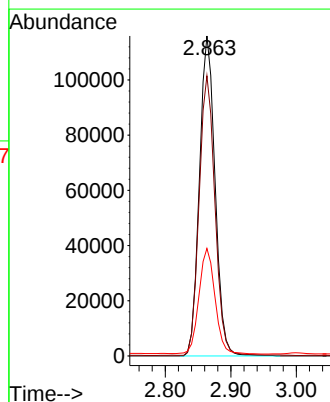
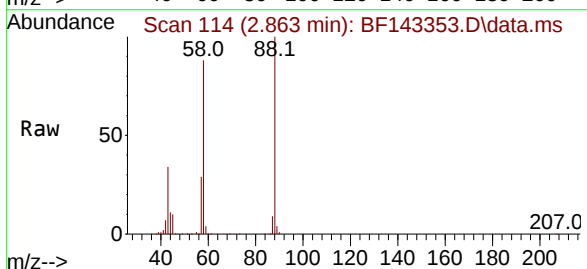


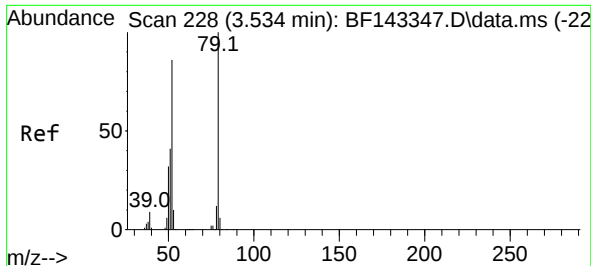
Tgt Ion:152 Resp: 165936
 Ion Ratio Lower Upper
 152 100
 150 158.6 129.8 194.8
 115 61.0 47.8 71.8



#2
 1,4-Dioxane
 Concen: 38.859 ng
 RT: 2.863 min Scan# 114
 Delta R.T. 0.100 min
 Lab File: BF143353.D
 Acq: 12 Aug 2025 14:53

Tgt Ion: 88 Resp: 192952
 Ion Ratio Lower Upper
 88 100
 58 88.6 71.0 106.6
 43 33.9 27.0 40.6





#3

Pyridine

Concen: 39.886 ng

RT: 3.616 min Scan# 24

Delta R.T. 0.082 min

Lab File: BF143353.D

Acq: 12 Aug 2025 14:53

Instrument :

BNA_F

ClientSampleId :

PB169189BS

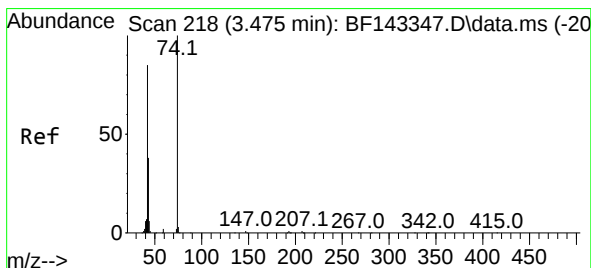
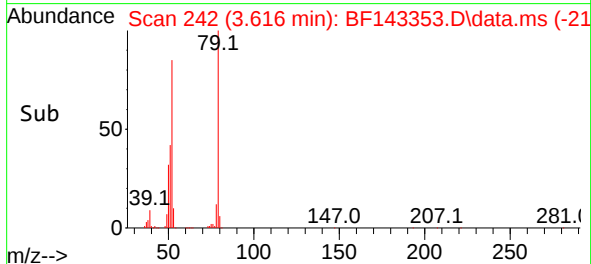
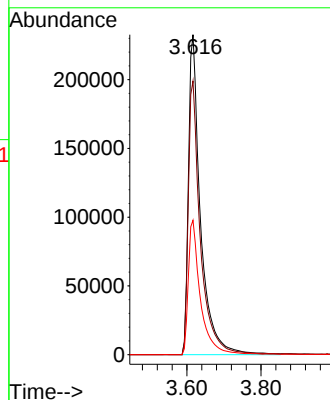
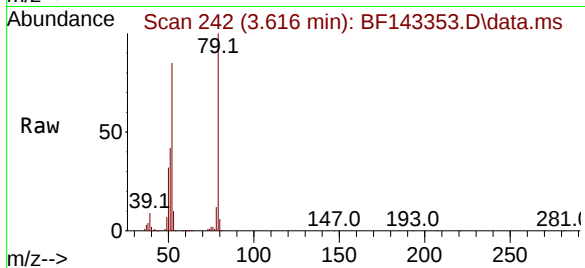
Tgt Ion: 79 Resp: 527767

Ion Ratio Lower Upper

79 100

52 85.5 68.7 103.1

51 42.0 33.4 50.0



#4

n-Nitrosodimethylamine

Concen: 46.951 ng

RT: 3.558 min Scan# 232

Delta R.T. 0.082 min

Lab File: BF143353.D

Acq: 12 Aug 2025 14:53

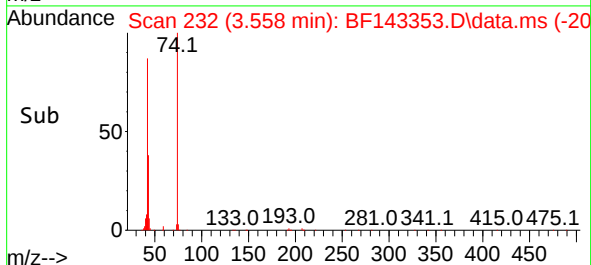
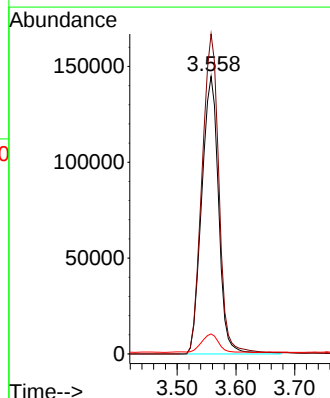
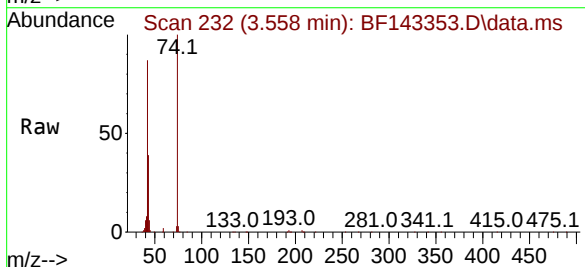
Tgt Ion: 42 Resp: 289391

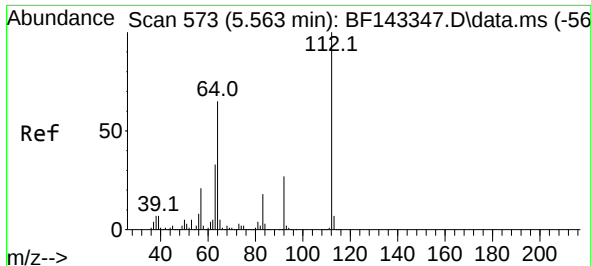
Ion Ratio Lower Upper

42 100

74 115.2 94.1 141.1

44 7.2 6.5 9.7

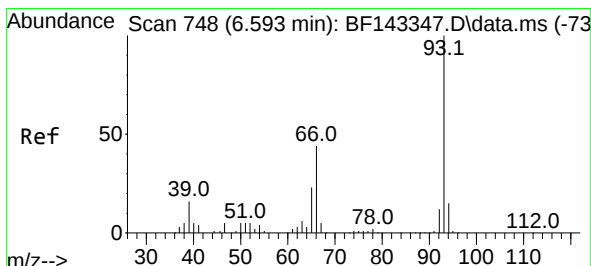
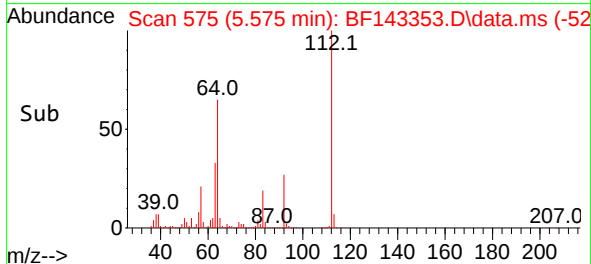
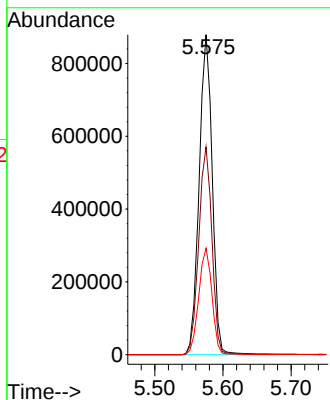
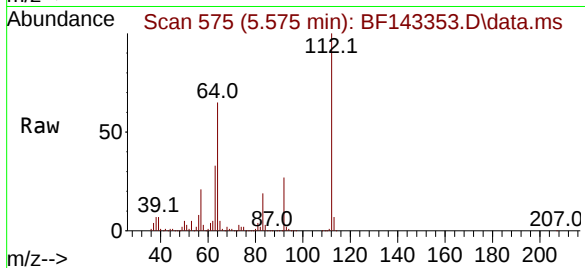




#5
2-Fluorophenol
Concen: 122.616 ng
RT: 5.575 min Scan# 511
Delta R.T. 0.012 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

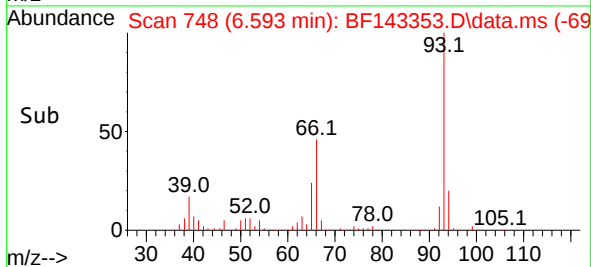
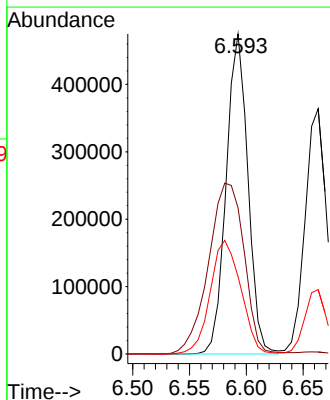
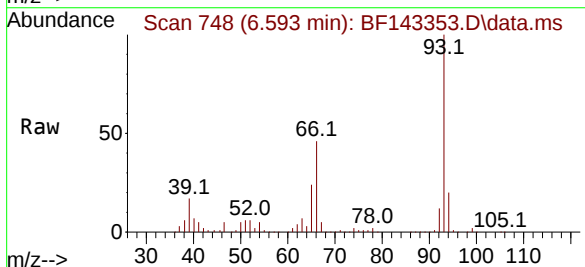
Instrument :
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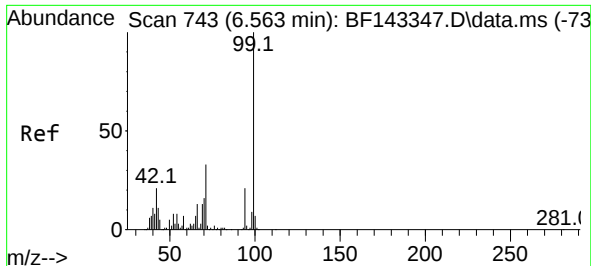
Tgt Ion:112 Resp: 1176602
Ion Ratio Lower Upper
112 100
64 64.9 52.1 78.1
63 33.3 26.6 39.8



#6
Aniline
Concen: 36.372 ng
RT: 6.593 min Scan# 748
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion: 93 Resp: 630979
Ion Ratio Lower Upper
93 100
66 45.7 35.3 52.9
65 24.2 18.2 27.4

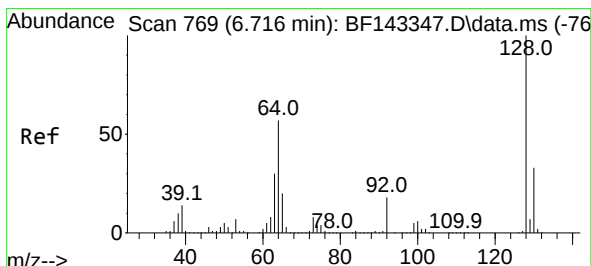
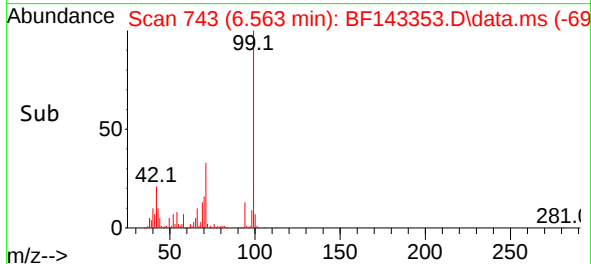
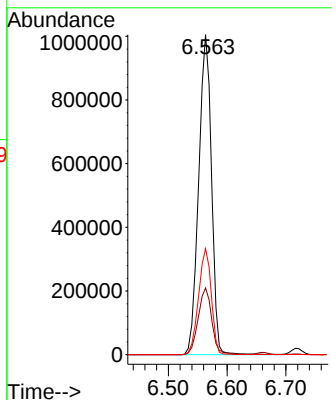
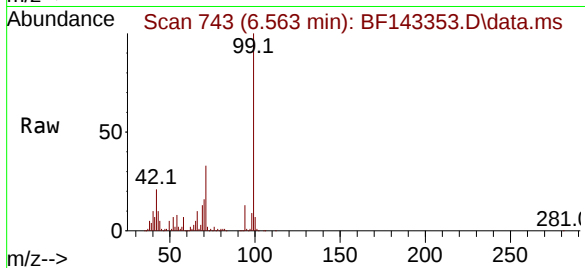




#7
Phenol-d6
Concen: 123.800 ng
RT: 6.563 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

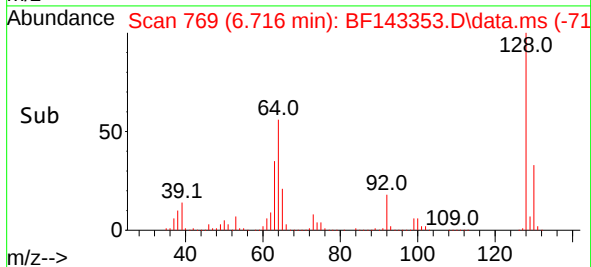
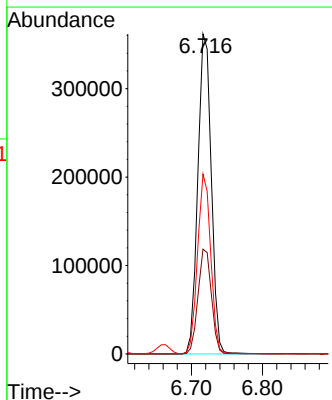
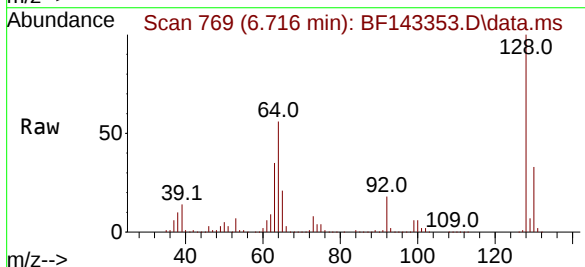
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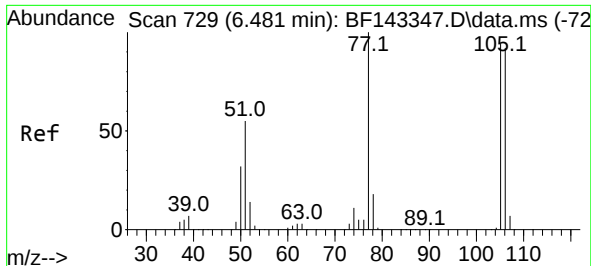
Tgt Ion: 99 Resp: 1523405
Ion Ratio Lower Upper
99 100
42 20.9 16.6 25.0
71 33.2 26.2 39.2



#8
2-Chlorophenol
Concen: 46.605 ng
RT: 6.716 min Scan# 769
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion: 128 Resp: 477865
Ion Ratio Lower Upper
128 100
130 32.7 12.6 52.6
64 56.2 36.7 76.7

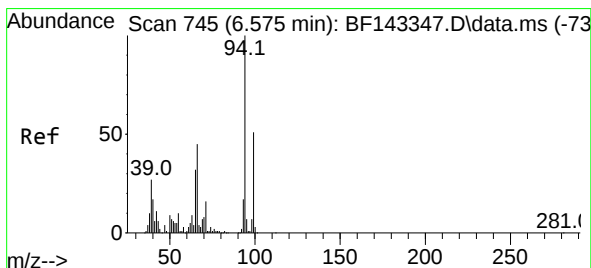
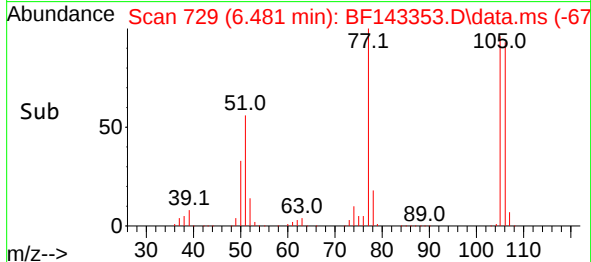
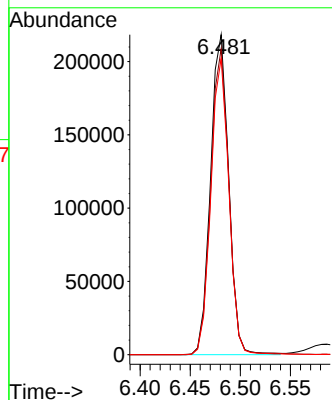
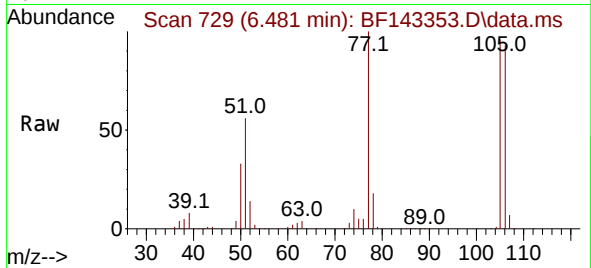




#9
Benzaldehyde
Concen: 33.858 ng
RT: 6.481 min Scan# 729
Delta R.T. -0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

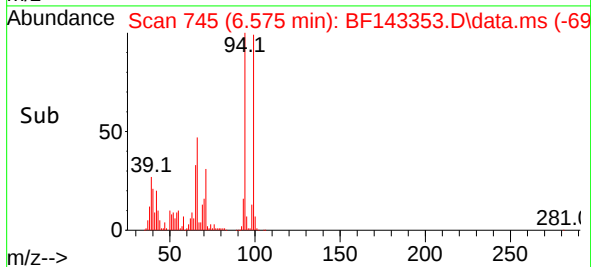
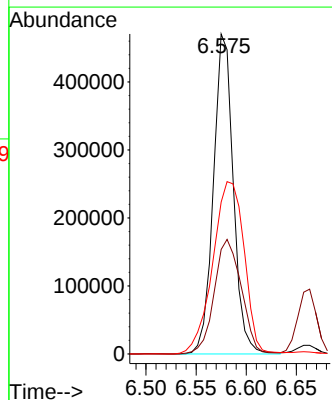
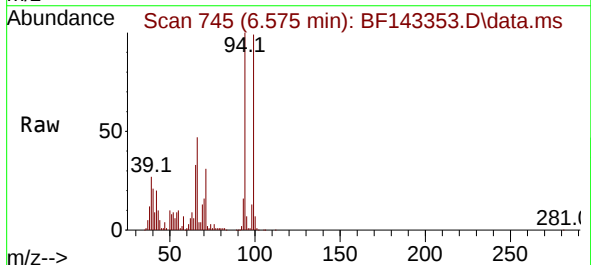
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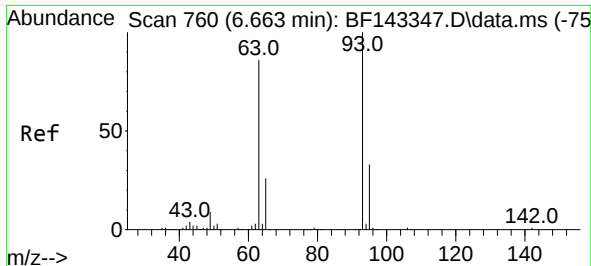
Tgt Ion: 77 Resp: 275375
Ion Ratio Lower Upper
77 100
105 95.6 74.2 114.2
106 92.6 72.2 112.2



#10
Phenol
Concen: 44.548 ng
RT: 6.575 min Scan# 745
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion: 94 Resp: 649400
Ion Ratio Lower Upper
94 100
65 32.6 12.0 52.0
66 47.5 25.6 65.6

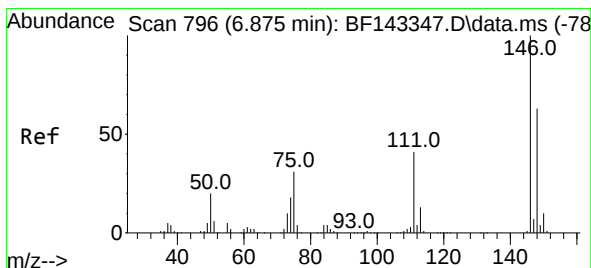
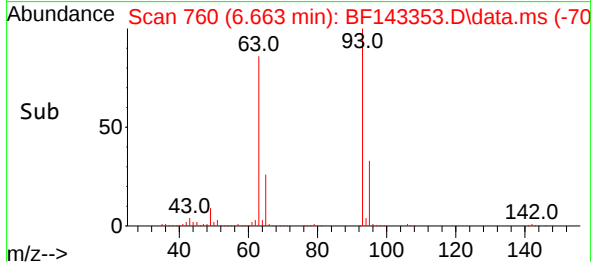
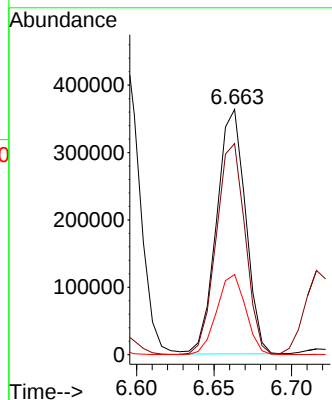
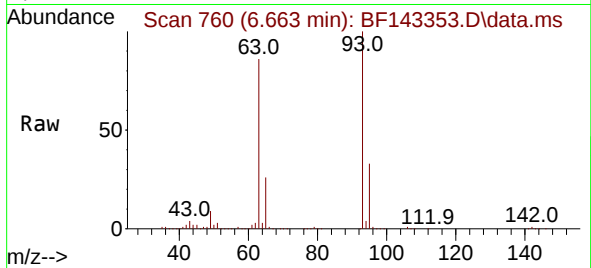




#11
bis(2-Chloroethyl)ether
Concen: 43.877 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

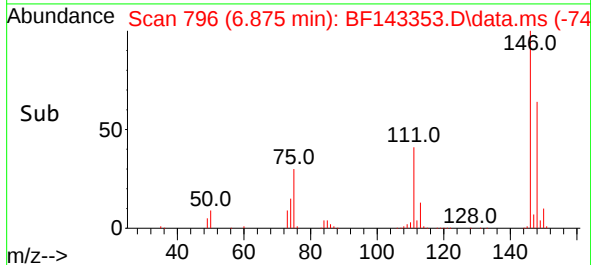
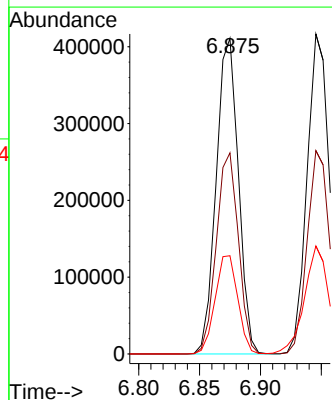
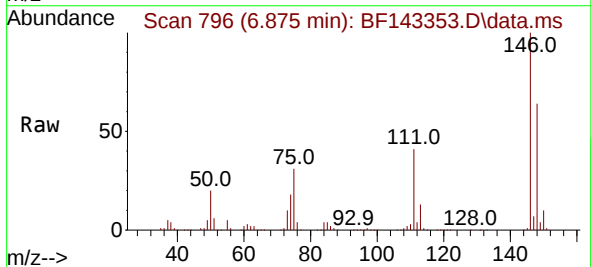
Instrument :
BNA_F
ClientSampleId :
PB169189BS

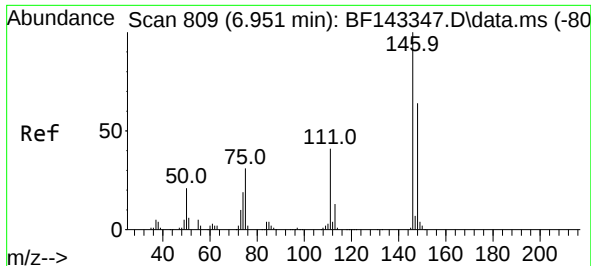
Tgt Ion: 93 Resp: 471401
Ion Ratio Lower Upper
93 100
63 86.0 65.7 105.7
95 32.7 13.0 53.0



#12
1,3-Dichlorobenzene
Concen: 44.105 ng
RT: 6.875 min Scan# 796
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:146 Resp: 521614
Ion Ratio Lower Upper
146 100
148 63.7 50.5 75.7
75 31.1 24.9 37.3

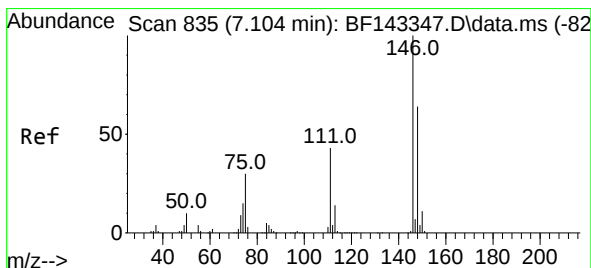
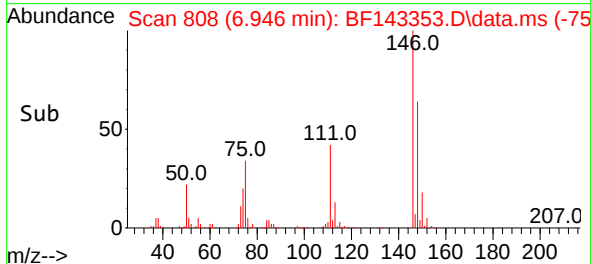
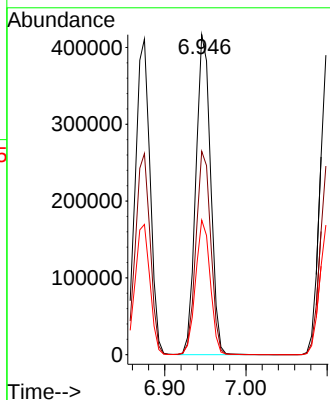
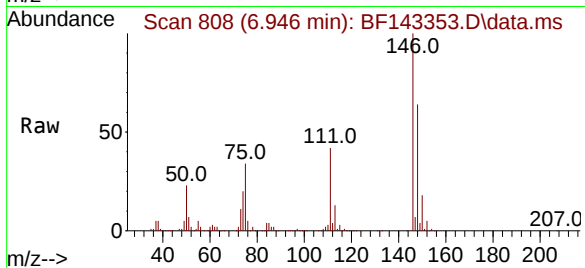




#13
1,4-Dichlorobenzene
Concen: 44.456 ng
RT: 6.946 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

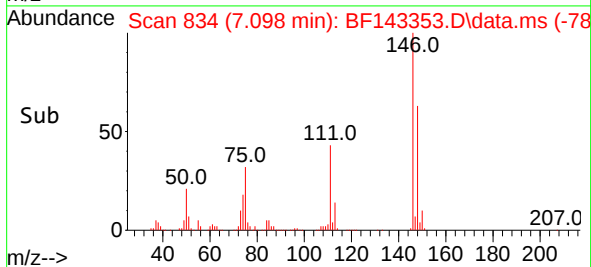
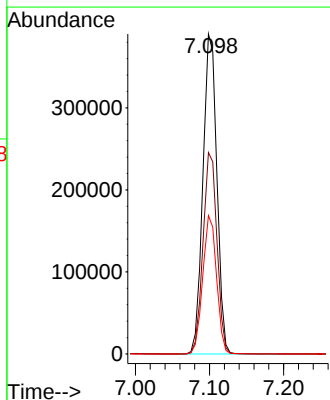
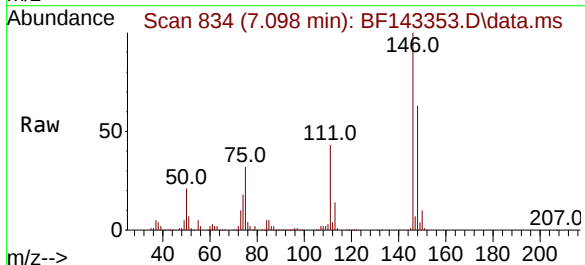
Instrument :
BNA_F
ClientSampleId :
PB169189BS

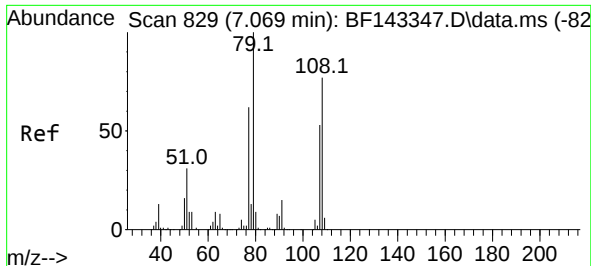
Tgt Ion:146 Resp: 527695
Ion Ratio Lower Upper
146 100
148 63.6 51.4 77.0
111 42.1 32.6 48.8



#14
1,2-Dichlorobenzene
Concen: 45.263 ng
RT: 7.098 min Scan# 834
Delta R.T. -0.006 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:146 Resp: 510010
Ion Ratio Lower Upper
146 100
148 63.0 51.4 77.2
111 43.3 34.1 51.1

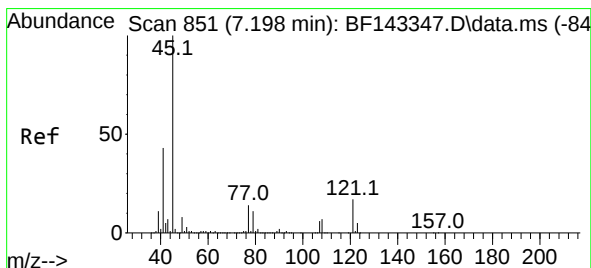
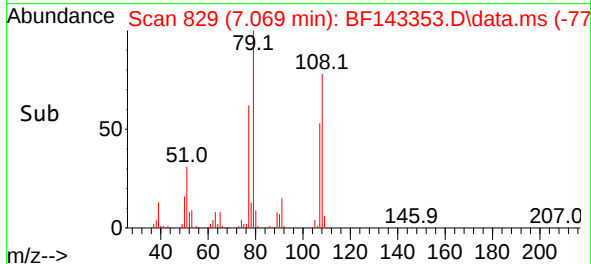
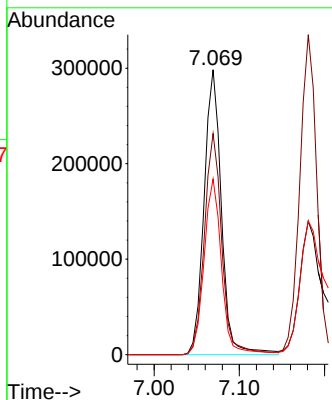
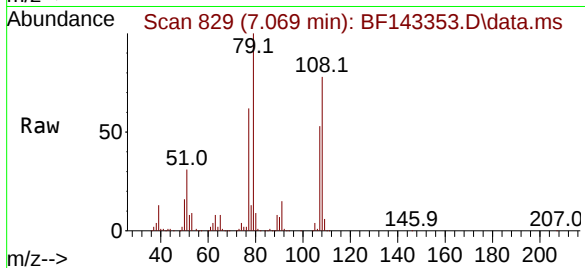




#15
Benzyl Alcohol
Concen: 47.924 ng
RT: 7.069 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

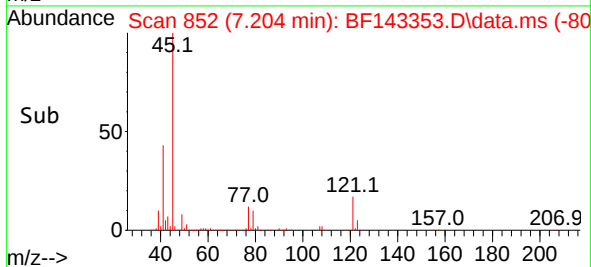
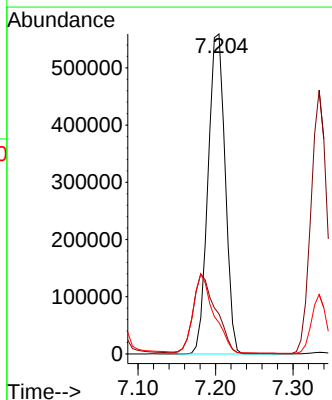
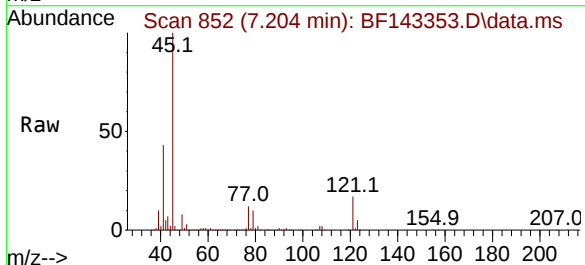
Instrument :
BNA_F
ClientSampleId :
PB169189BS

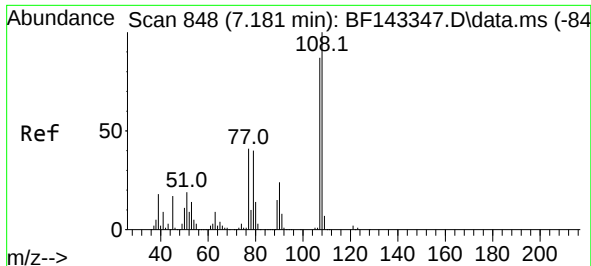
Tgt Ion: 79 Resp: 422723
Ion Ratio Lower Upper
79 100
108 77.6 61.5 92.3
77 61.6 49.8 74.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.662 ng
RT: 7.204 min Scan# 852
Delta R.T. 0.006 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion: 45 Resp: 856643
Ion Ratio Lower Upper
45 100
77 12.5 0.0 34.0
79 9.8 0.0 31.1





#17

2-Methylphenol

Concen: 47.386 ng

RT: 7.181 min Scan# 848

Delta R.T. 0.000 min

Lab File: BF143353.D

Acq: 12 Aug 2025 14:53

Instrument :

BNA_F

ClientSampleId :

PB169189BS

Tgt Ion:107 Resp: 410128

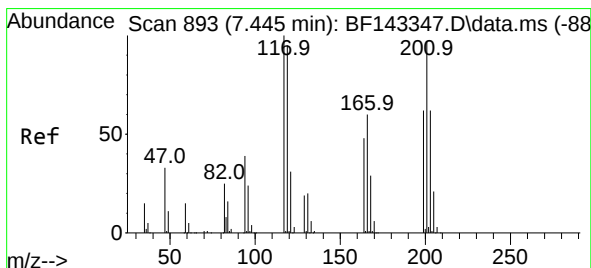
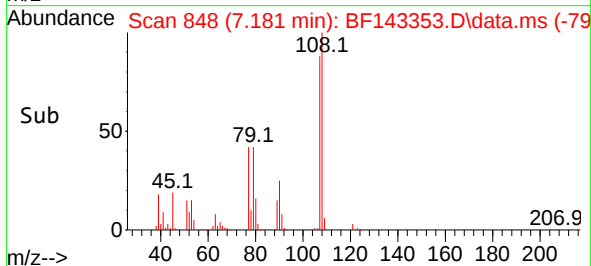
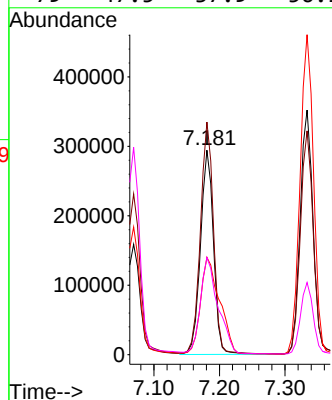
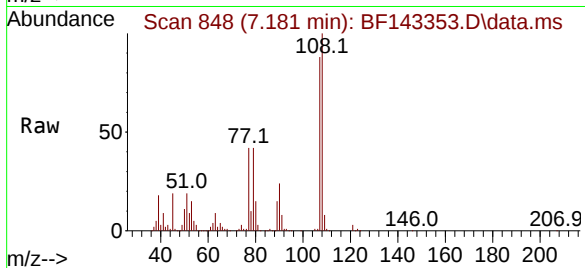
Ion Ratio Lower Upper

107 100

108 113.8 92.0 138.0

77 47.6 38.2 57.2

79 47.5 37.9 56.9



#18

Hexachloroethane

Concen: 47.473 ng

RT: 7.446 min Scan# 893

Delta R.T. 0.000 min

Lab File: BF143353.D

Acq: 12 Aug 2025 14:53

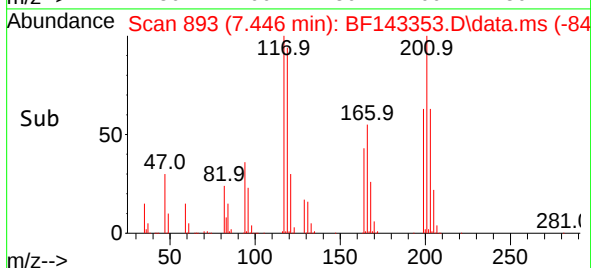
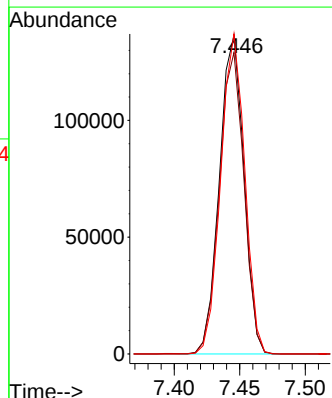
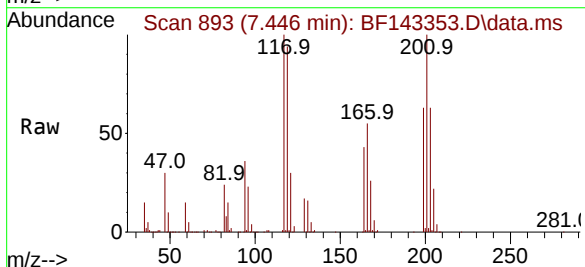
Tgt Ion:117 Resp: 176666

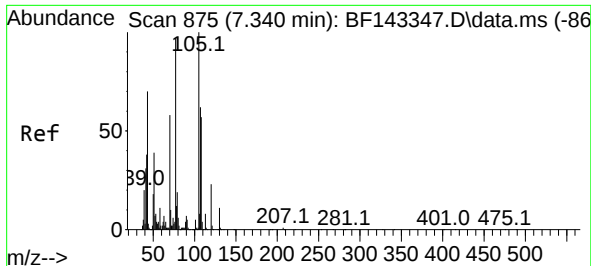
Ion Ratio Lower Upper

117 100

119 94.6 75.8 113.8

201 100.4 77.2 115.8



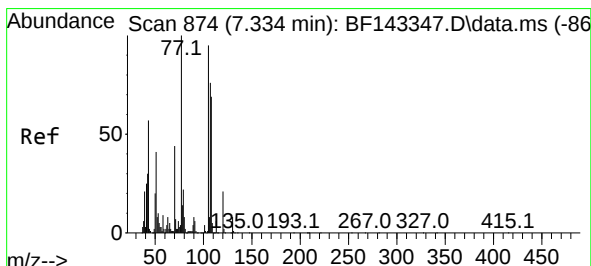
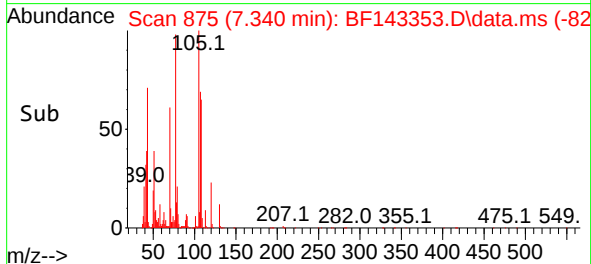
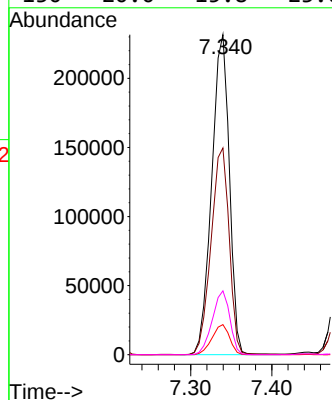
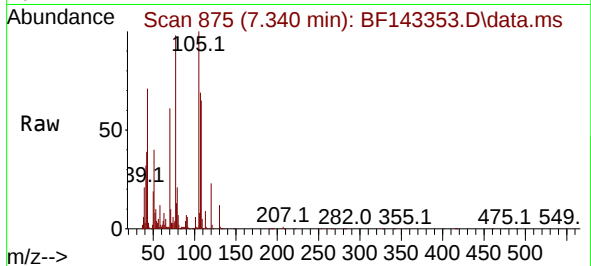


#19
n-Nitroso-di-n-propylamine
Concen: 45.990 ng
RT: 7.340 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Instrument :
BNA_F
ClientSampleId :
PB169189BS

Tgt Ion: 70 Resp: 349687

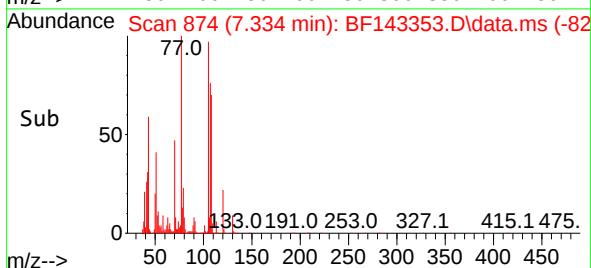
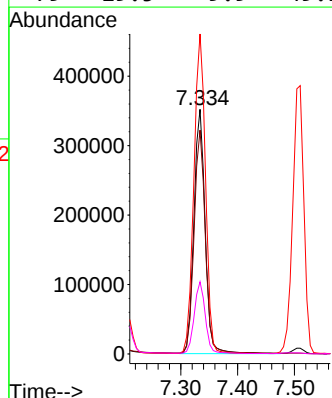
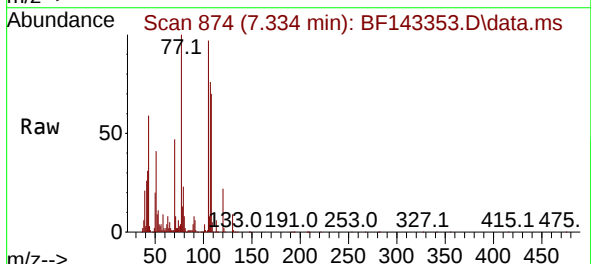
Ion	Ratio	Lower	Upper
70	100		
42	64.6	51.6	77.4
101	9.4	7.5	11.3
130	20.0	15.8	23.6

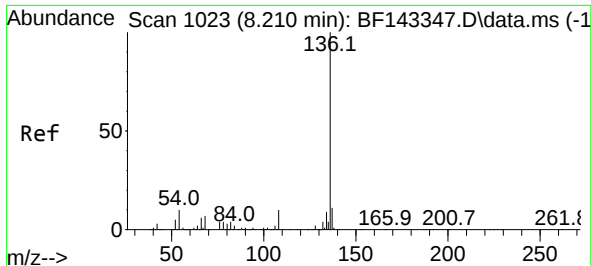


#20
3+4-Methylphenols
Concen: 46.471 ng
RT: 7.334 min Scan# 874
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion: 107 Resp: 486422

Ion	Ratio	Lower	Upper
107	100		
108	91.5	70.6	110.6
77	130.8	112.0	152.0
79	29.5	9.9	49.9

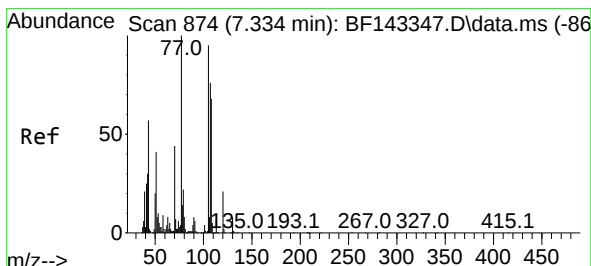
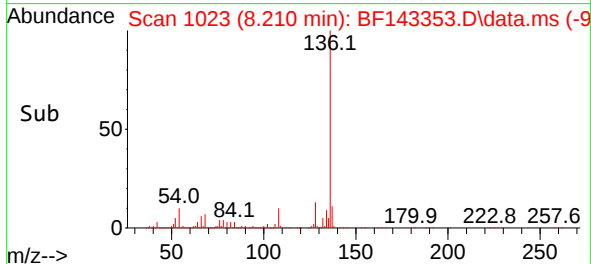
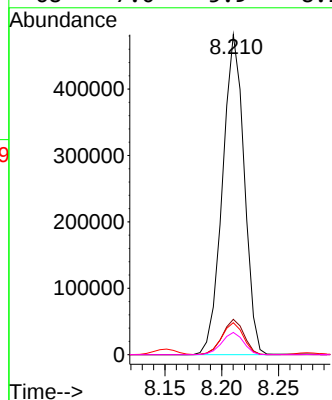
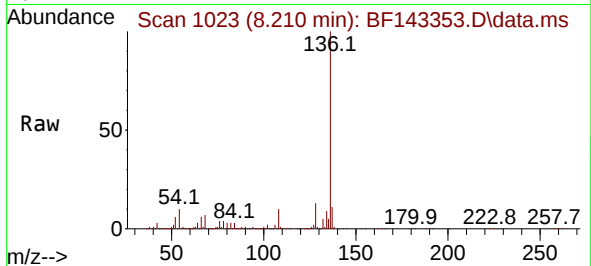




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

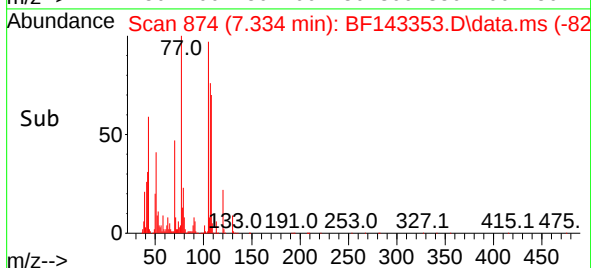
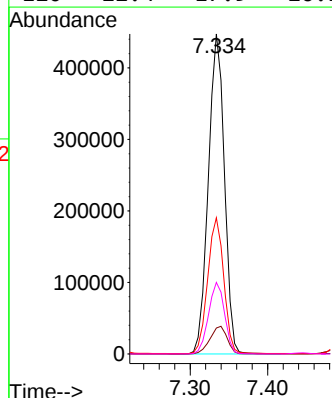
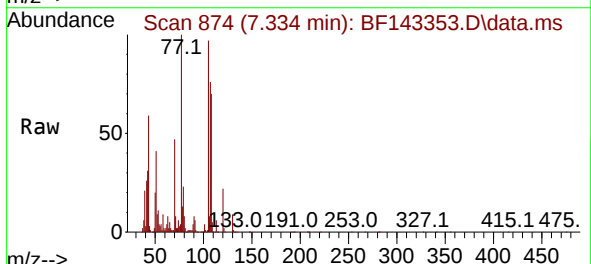
Instrument :
BNA_F
ClientSampleId :
PB169189BS

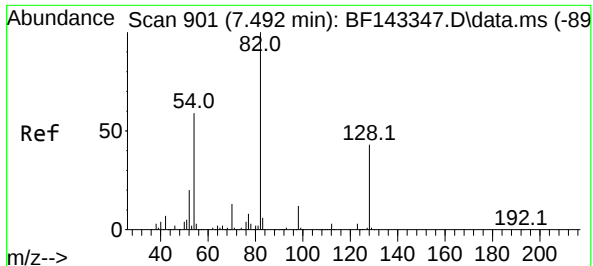
Tgt Ion:	136	Resp:	641337
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	10.0	8.4	12.6
68	7.0	5.9	8.9



#22
Acetophenone
Concen: 45.665 ng
RT: 7.334 min Scan# 874
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:	105	Resp:	645276
Ion	Ratio	Lower	Upper
105	100		
71	8.1	6.2	9.4
51	42.5	34.8	52.2
120	22.4	17.9	26.9





#23

Nitrobenzene-d5

Concen: 94.335 ng

RT: 7.487 min Scan# 901

Delta R.T. -0.006 min

Lab File: BF143353.D

Acq: 12 Aug 2025 14:53

Instrument :

BNA_F

ClientSampleId :

PB169189BS

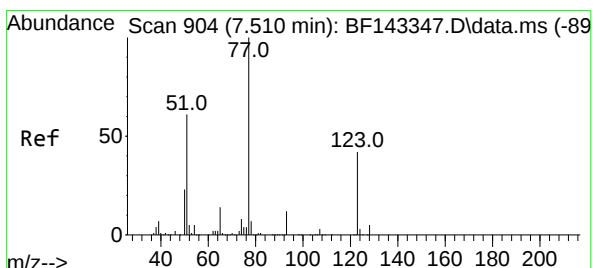
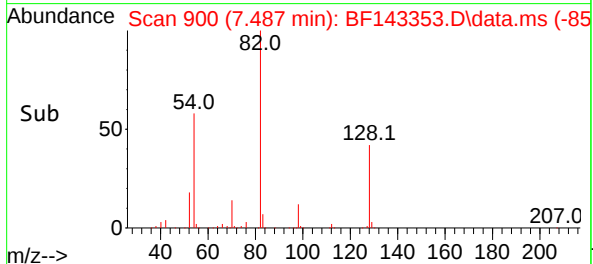
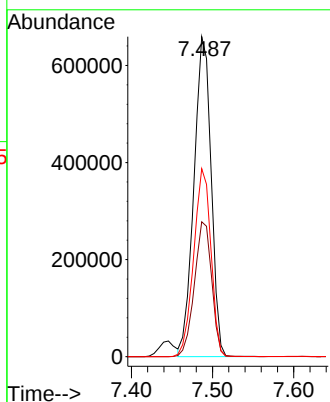
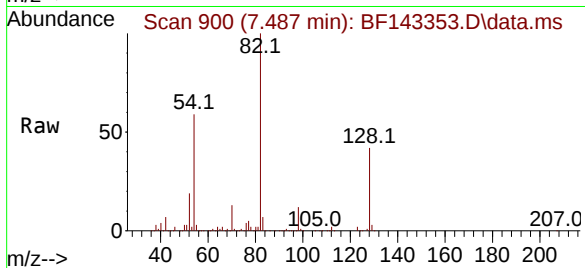
Tgt Ion: 82 Resp: 971531

Ion Ratio Lower Upper

82 100

128 42.2 33.5 50.3

54 58.8 46.7 70.1



#24

Nitrobenzene

Concen: 46.849 ng

RT: 7.510 min Scan# 904

Delta R.T. 0.000 min

Lab File: BF143353.D

Acq: 12 Aug 2025 14:53

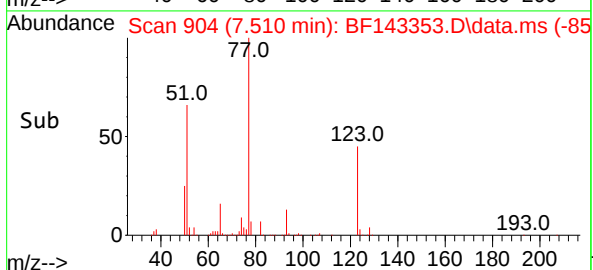
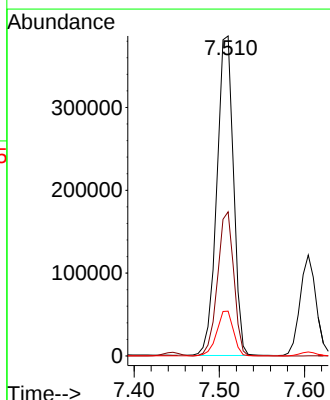
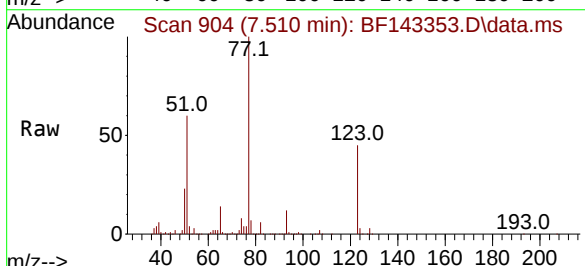
Tgt Ion: 77 Resp: 523992

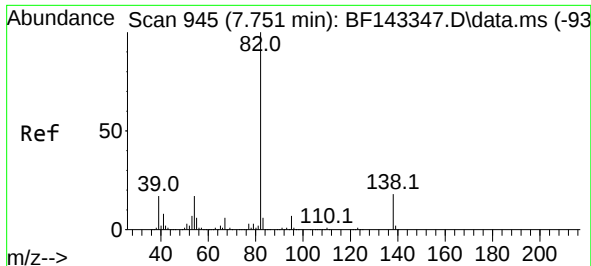
Ion Ratio Lower Upper

77 100

123 45.0 34.8 52.2

65 14.0 11.0 16.6

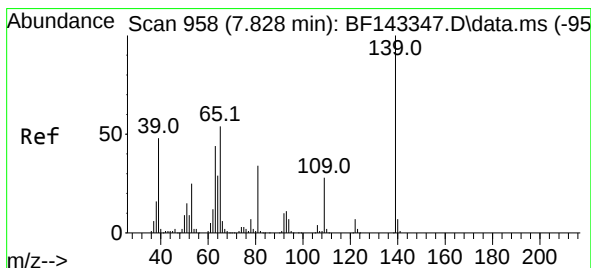
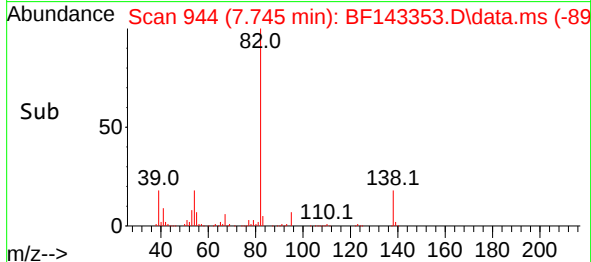
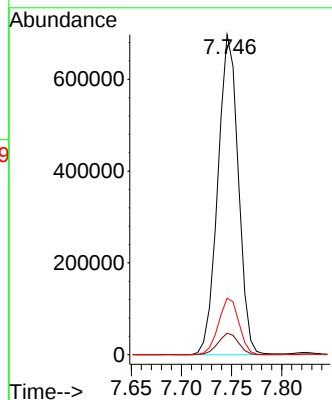
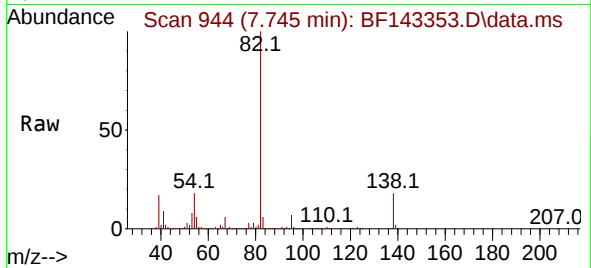




#25
Isophorone
Concen: 46.949 ng
RT: 7.745 min Scan# 944
Delta R.T. -0.006 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

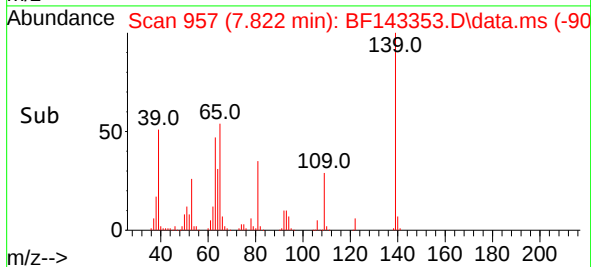
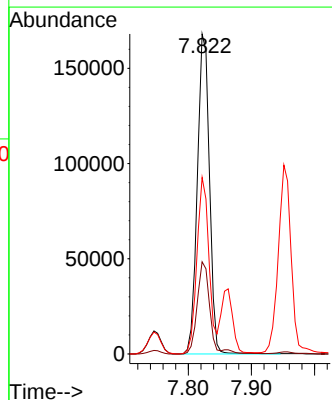
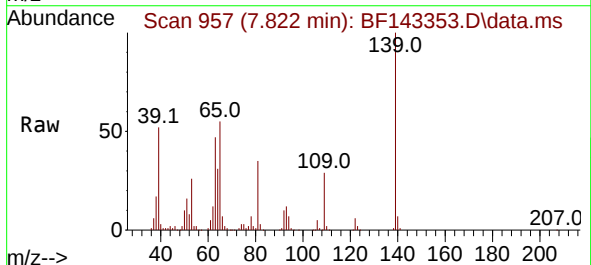
Instrument :
BNA_F
ClientSampleId :
PB169189BS

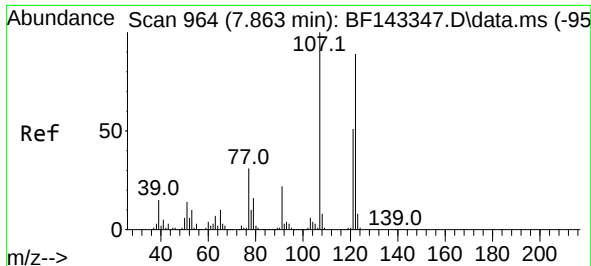
Tgt Ion: 82 Resp: 987069
Ion Ratio Lower Upper
82 100
95 6.7 5.5 8.3
138 17.7 14.6 21.8



#26
2-Nitrophenol
Concen: 49.716 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion: 139 Resp: 223468
Ion Ratio Lower Upper
139 100
109 28.8 22.4 33.6
65 55.1 42.9 64.3

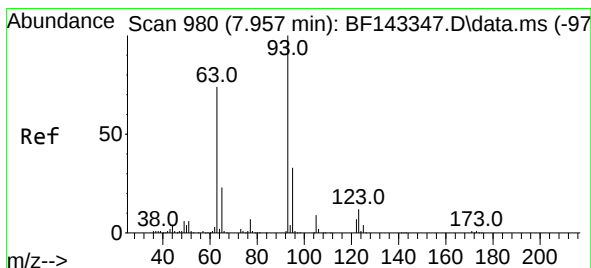
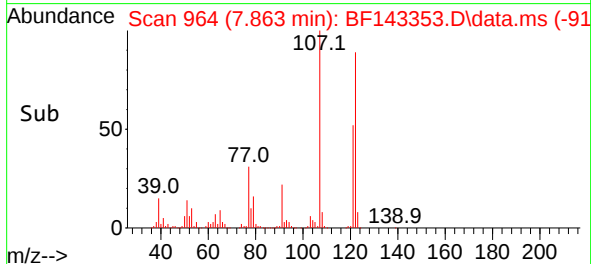
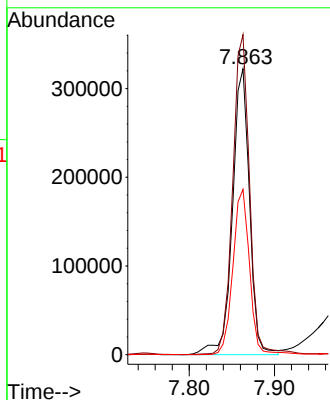
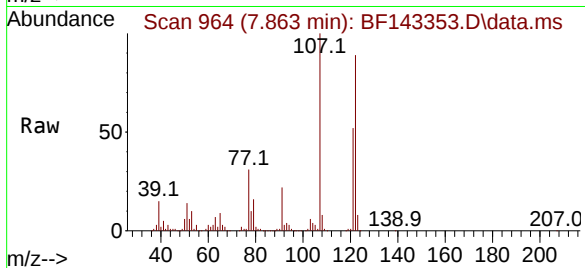




#27
2,4-Dimethylphenol
Concen: 51.243 ng
RT: 7.863 min Scan# 90
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

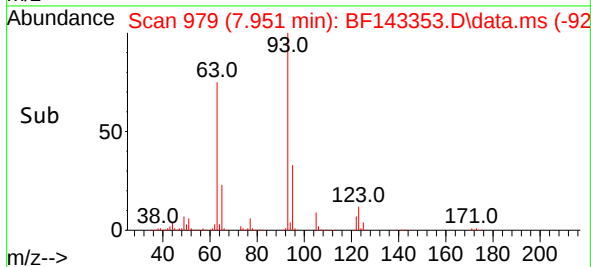
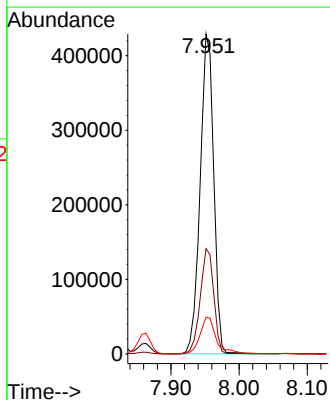
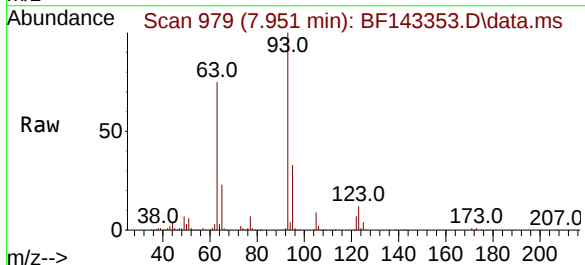
Instrument :
BNA_F
ClientSampleId :
PB169189BS

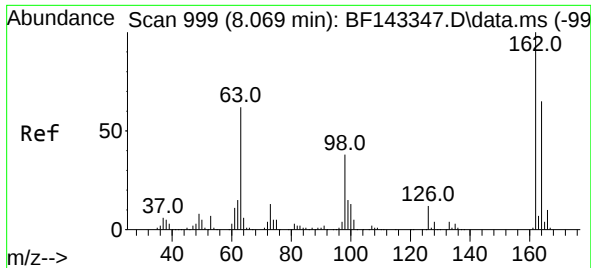
Tgt Ion:122 Resp: 449469
Ion Ratio Lower Upper
122 100
107 111.9 89.9 134.9
121 57.8 46.2 69.4



#28
bis(2-Chloroethoxy)methane
Concen: 46.189 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.006 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion: 93 Resp: 592892
Ion Ratio Lower Upper
93 100
95 32.9 26.2 39.4
123 11.5 9.4 14.2





#29

2,4-Dichlorophenol

Concen: 48.004 ng

RT: 8.069 min Scan# 999

Delta R.T. 0.000 min

Lab File: BF143353.D

Acq: 12 Aug 2025 14:53

Instrument :

BNA_F

ClientSampleId :

PB169189BS

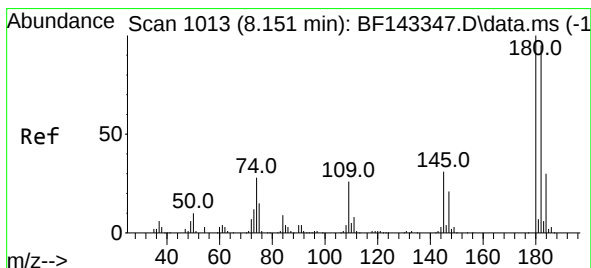
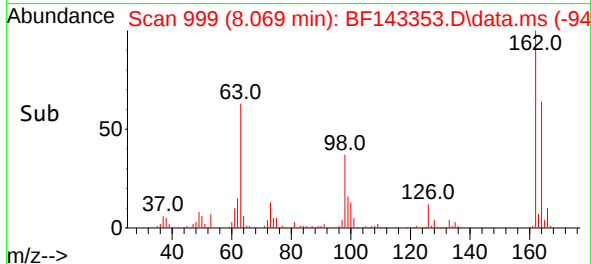
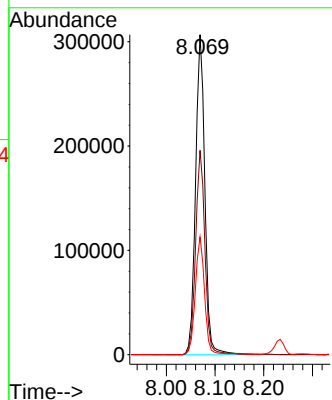
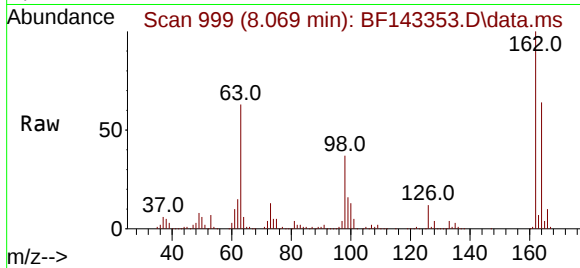
Tgt Ion:162 Resp: 411252

Ion Ratio Lower Upper

162 100

164 63.9 44.5 84.5

98 36.8 17.7 57.7



#30

1,2,4-Trichlorobenzene

Concen: 47.335 ng

RT: 8.151 min Scan# 1013

Delta R.T. 0.000 min

Lab File: BF143353.D

Acq: 12 Aug 2025 14:53

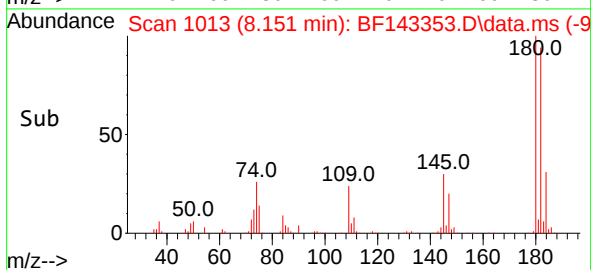
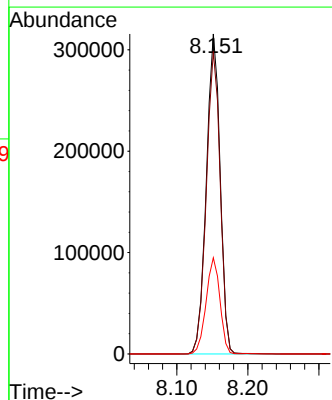
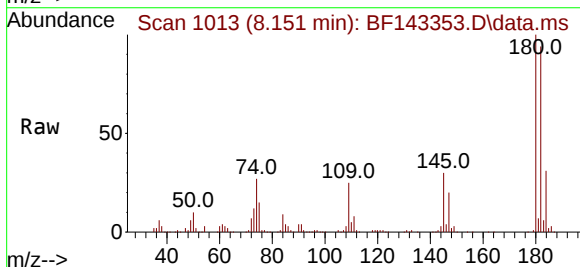
Tgt Ion:180 Resp: 427753

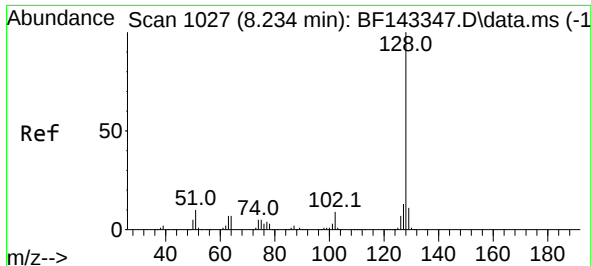
Ion Ratio Lower Upper

180 100

182 94.5 76.1 114.1

145 30.0 24.9 37.3

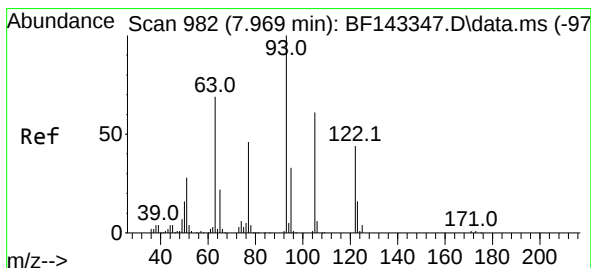
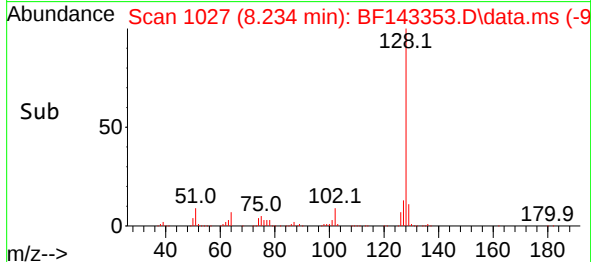
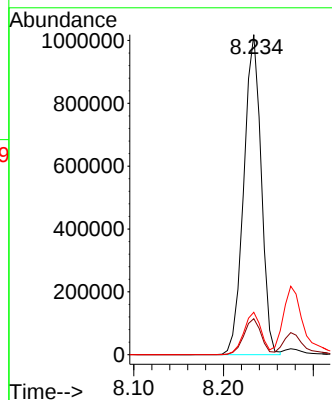
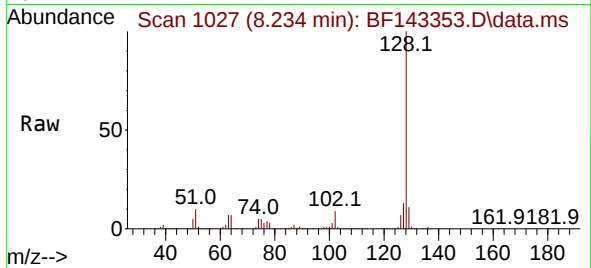




#31
Naphthalene
Concen: 44.415 ng
RT: 8.234 min Scan# 1027
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

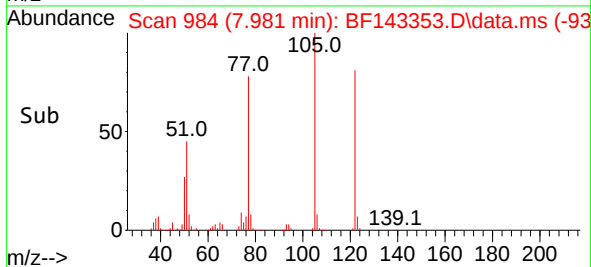
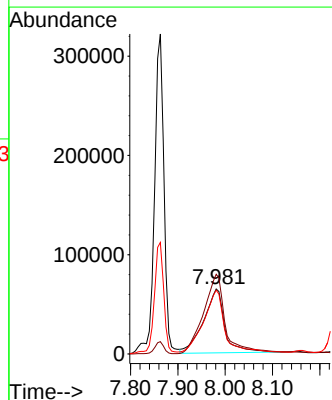
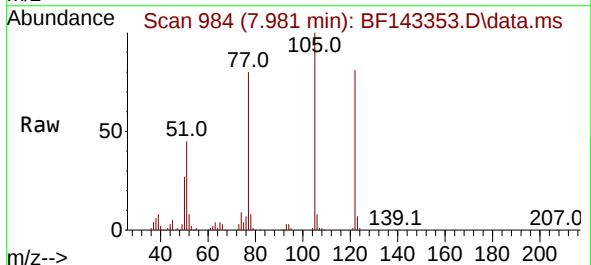
Instrument :
BNA_F
ClientSampleId :
PB169189BS

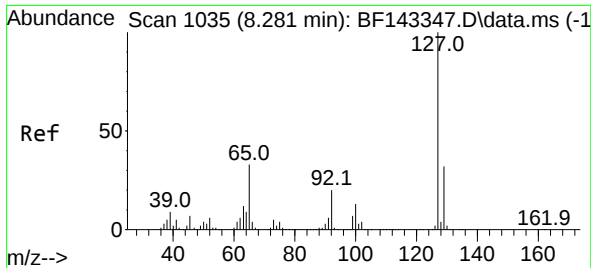
Tgt Ion:128 Resp: 1370665
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.6
127 13.3 10.7 16.1



#32
Benzoic acid
Concen: 51.609 ng
RT: 7.981 min Scan# 984
Delta R.T. 0.012 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:122 Resp: 201615
Ion Ratio Lower Upper
122 100
105 122.8 106.4 146.4
77 98.3 79.2 119.2

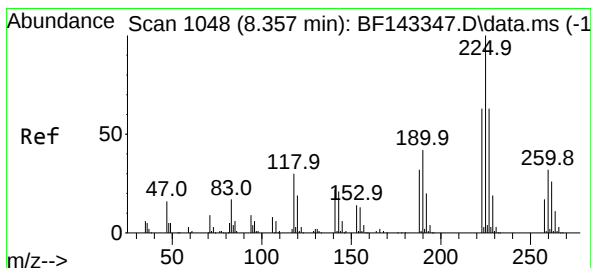
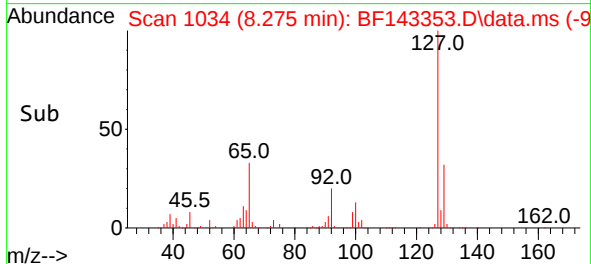
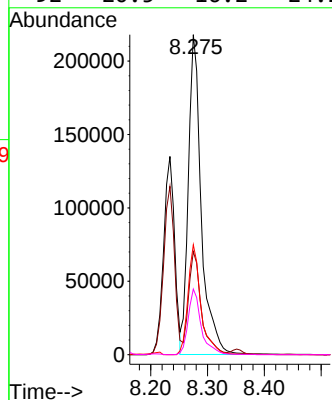
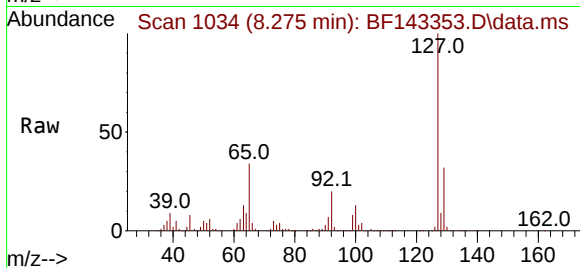




#33
4-Chloroaniline
Concen: 31.006 ng
RT: 8.275 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

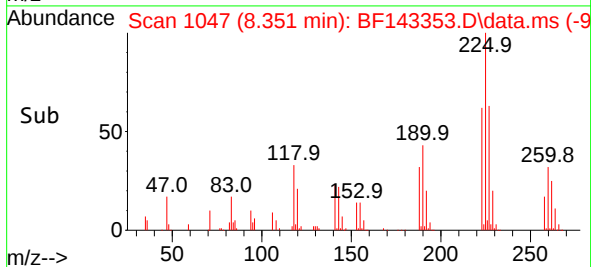
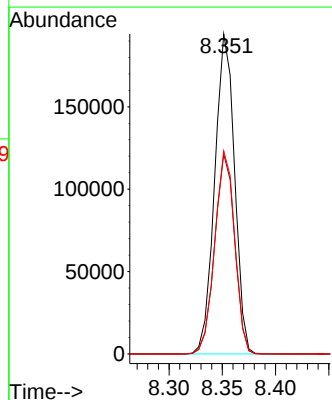
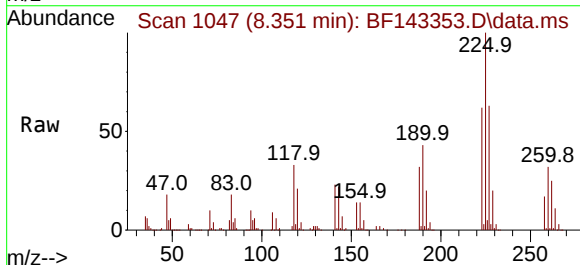
Instrument :
BNA_F
ClientSampleId :
PB169189BS

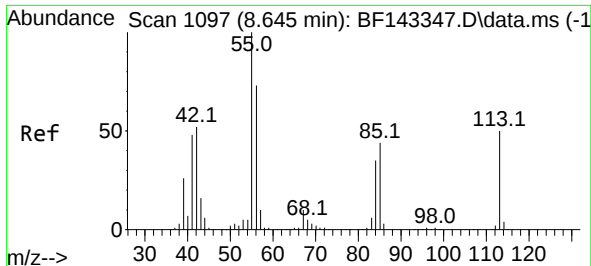
Tgt Ion:127	Resp: 345120
Ion Ratio	Lower Upper
127 100	
129 32.2	26.0 39.0
65 34.3	27.0 40.4
92 20.5	16.2 24.2



#34
Hexachlorobutadiene
Concen: 44.745 ng
RT: 8.351 min Scan# 1047
Delta R.T. -0.006 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:225	Resp: 251531
Ion Ratio	Lower Upper
225 100	
223 62.4	50.1 75.1
227 63.5	50.6 75.8

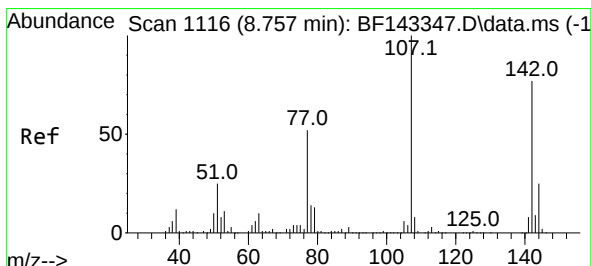
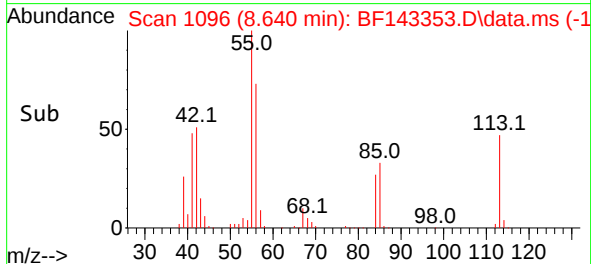
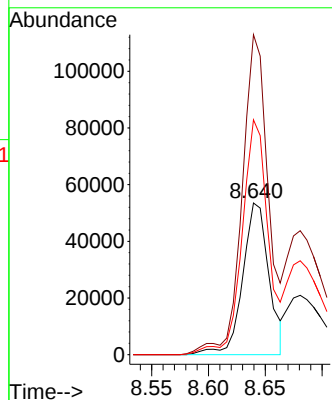
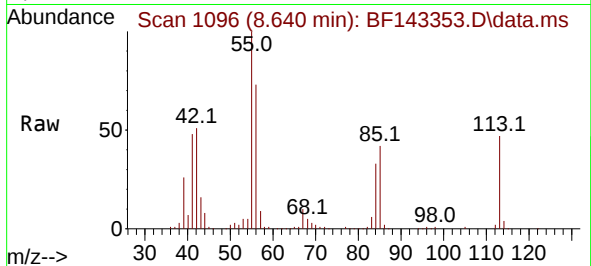




#35
 Caprolactam
 Concen: 35.618 ng
 RT: 8.640 min Scan# 1097
 Delta R.T. -0.006 min
 Lab File: BF143353.D
 Acq: 12 Aug 2025 14:53

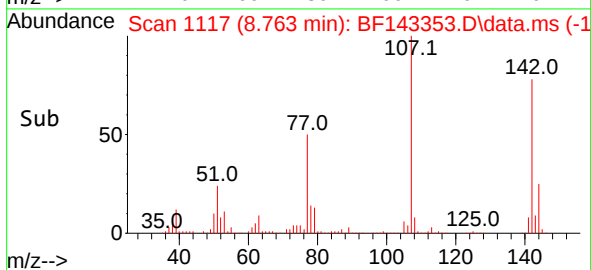
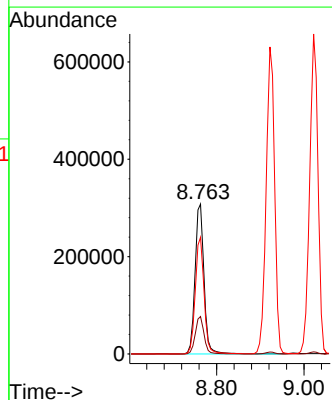
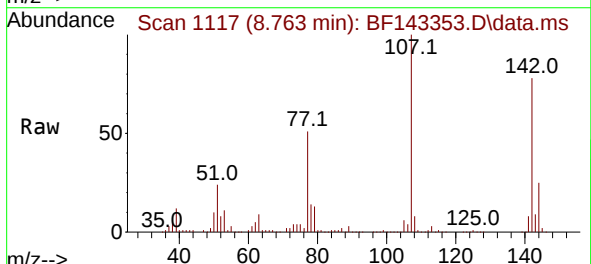
Instrument :
 BNA_F
 ClientSampleId :
 PB169189BS

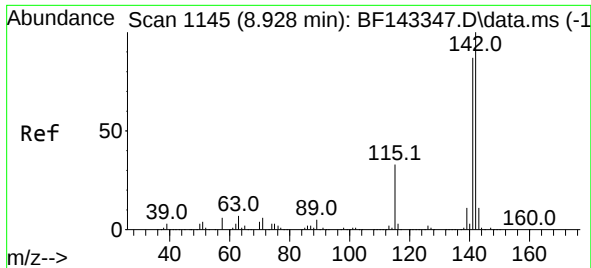
Tgt Ion:113 Resp: 85780
 Ion Ratio Lower Upper
 113 100
 55 211.0 181.4 221.4
 56 154.9 127.3 167.3



#36
 4-Chloro-3-methylphenol
 Concen: 48.920 ng
 RT: 8.763 min Scan# 1117
 Delta R.T. 0.006 min
 Lab File: BF143353.D
 Acq: 12 Aug 2025 14:53

Tgt Ion:107 Resp: 439359
 Ion Ratio Lower Upper
 107 100
 144 25.0 20.0 30.0
 142 77.7 61.3 91.9





#37

2-Methylnaphthalene

Concen: 41.357 ng

RT: 8.922 min Scan# 1145

Delta R.T. -0.006 min

Lab File: BF143353.D

Acq: 12 Aug 2025 14:53

Instrument :

BNA_F

ClientSampleId :

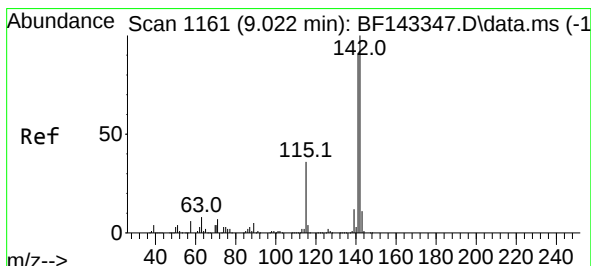
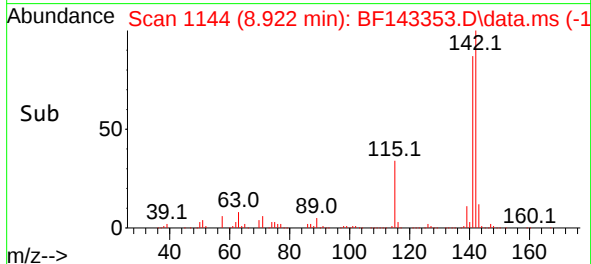
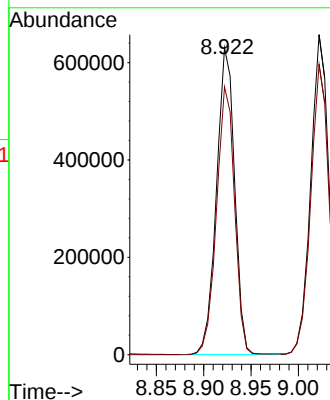
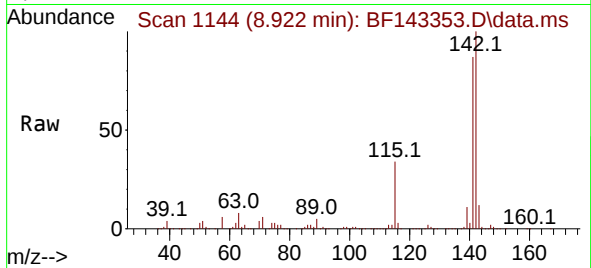
PB169189BS

Tgt Ion:142 Resp: 839047

Ion Ratio Lower Upper

142 100

141 87.2 69.8 104.8



#38

1-Methylnaphthalene

Concen: 44.130 ng

RT: 9.022 min Scan# 1161

Delta R.T. 0.000 min

Lab File: BF143353.D

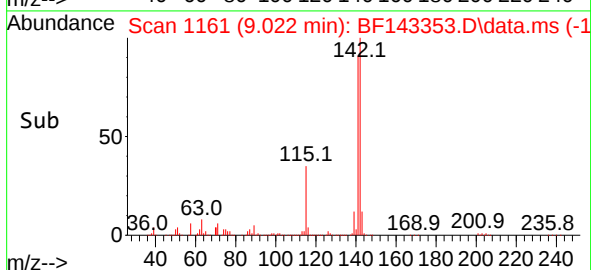
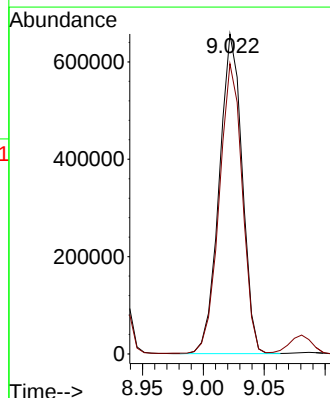
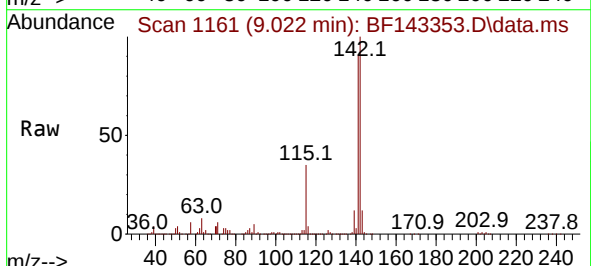
Acq: 12 Aug 2025 14:53

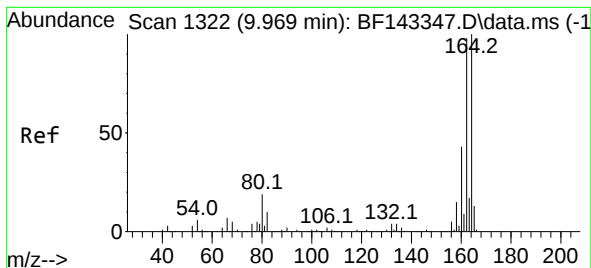
Tgt Ion:142 Resp: 862290

Ion Ratio Lower Upper

142 100

141 90.7 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143353.D

Acq: 12 Aug 2025 14:53

Instrument :

BNA_F

ClientSampleId :

PB169189BS

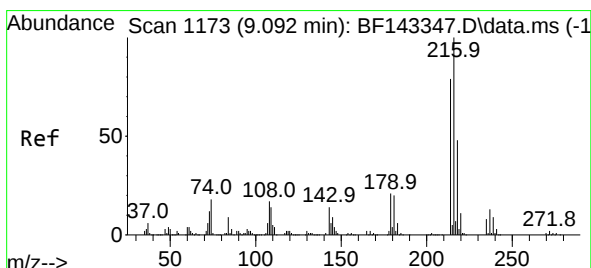
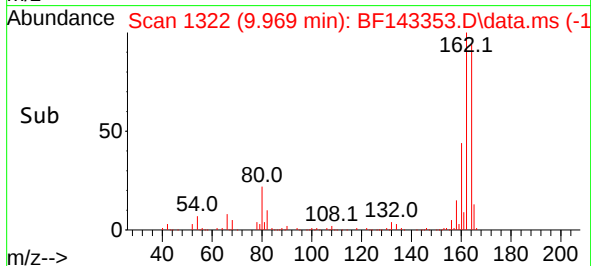
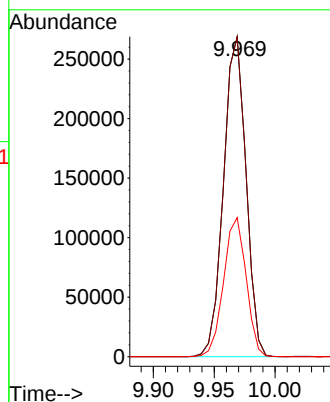
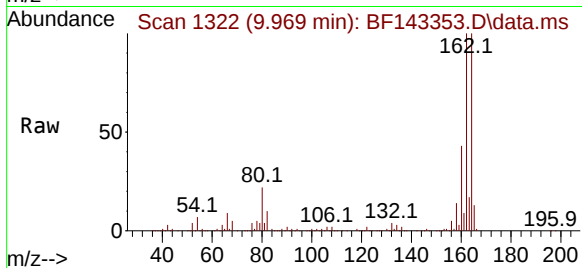
Tgt Ion:164 Resp: 345183

Ion Ratio Lower Upper

164 100

162 99.9 78.6 118.0

160 43.4 34.4 51.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 44.528 ng

RT: 9.092 min Scan# 1173

Delta R.T. 0.000 min

Lab File: BF143353.D

Acq: 12 Aug 2025 14:53

Tgt Ion:216 Resp: 420596

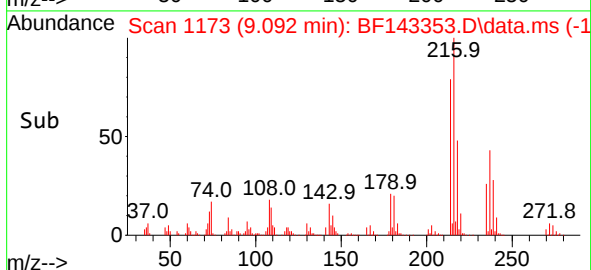
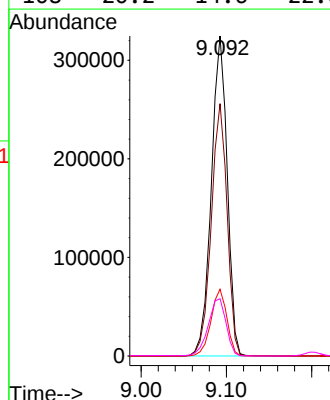
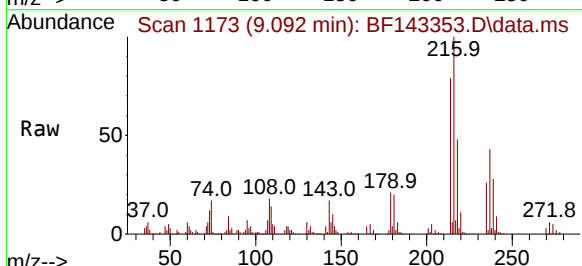
Ion Ratio Lower Upper

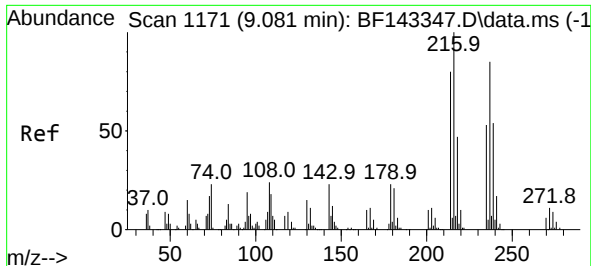
216 100

214 78.7 63.0 94.4

179 20.8 17.0 25.4

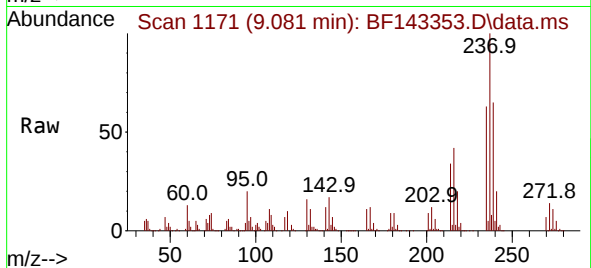
108 20.2 14.6 22.0



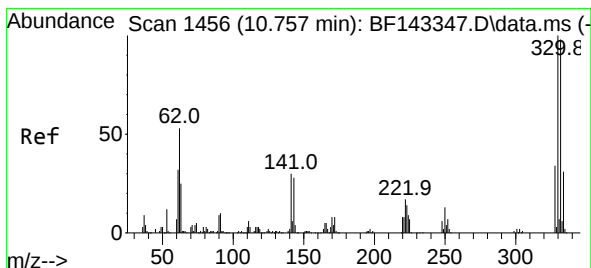
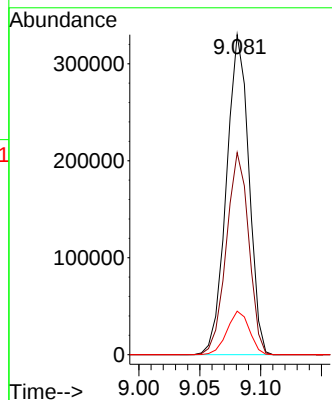
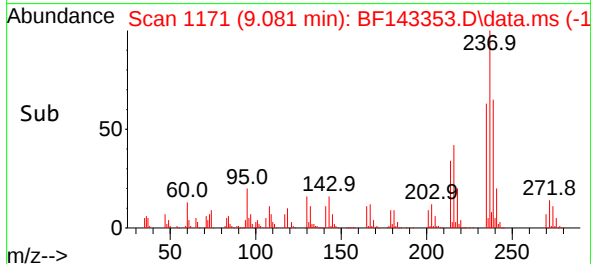


#41
Hexachlorocyclopentadiene
Concen: 123.246 ng
RT: 9.081 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

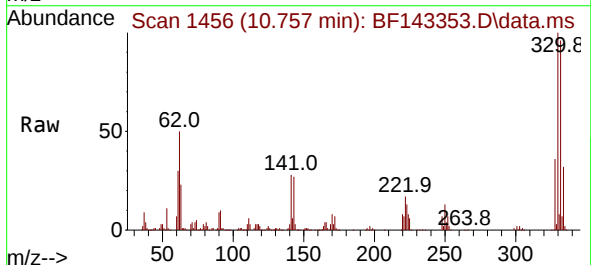
Instrument :
BNA_F
ClientSampleId :
PB169189BS



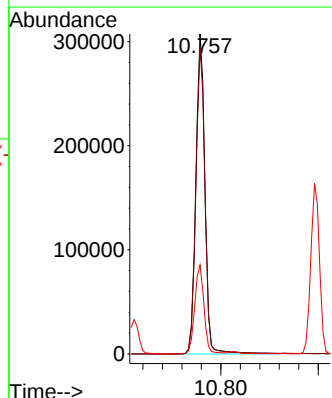
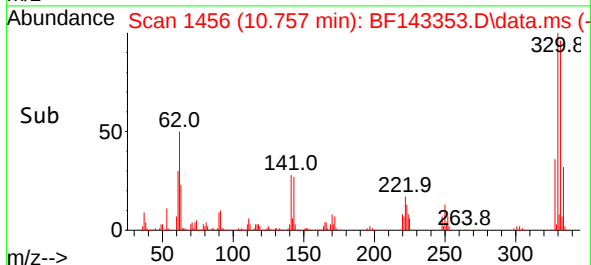
Tgt Ion:237 Resp: 423657
Ion Ratio Lower Upper
237 100
235 63.1 42.0 82.0
272 13.6 0.0 32.6

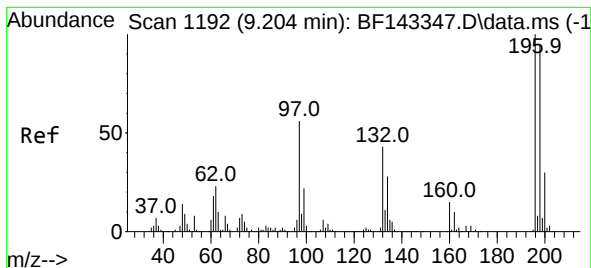


#42
2,4,6-Tribromophenol
Concen: 159.399 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53



Tgt Ion:330 Resp: 402111
Ion Ratio Lower Upper
330 100
332 96.1 78.1 117.1
141 28.4 25.4 38.0





#43

2,4,6-Trichlorophenol

Concen: 51.392 ng

RT: 9.204 min Scan# 1192

Delta R.T. 0.000 min

Lab File: BF143353.D

Acq: 12 Aug 2025 14:53

Instrument :

BNA_F

ClientSampleId :

PB169189BS

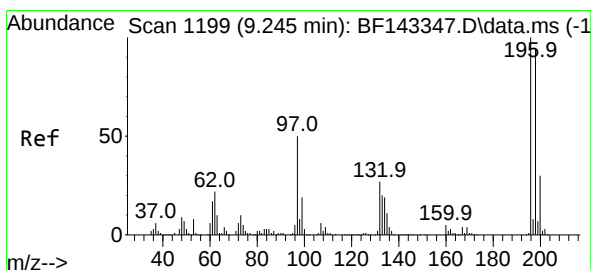
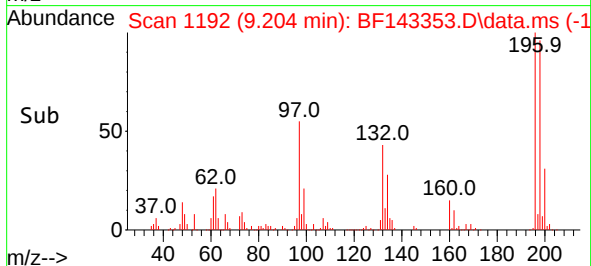
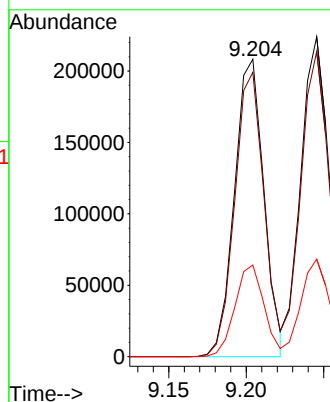
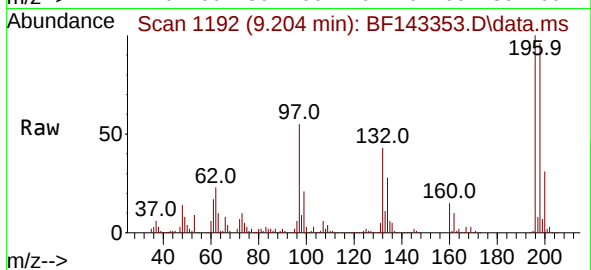
Tgt Ion:196 Resp: 275429

Ion Ratio Lower Upper

196 100

198 95.6 75.4 113.0

200 30.8 24.3 36.5



#44

2,4,5-Trichlorophenol

Concen: 49.951 ng

RT: 9.245 min Scan# 1199

Delta R.T. 0.000 min

Lab File: BF143353.D

Acq: 12 Aug 2025 14:53

Tgt Ion:196 Resp: 302307

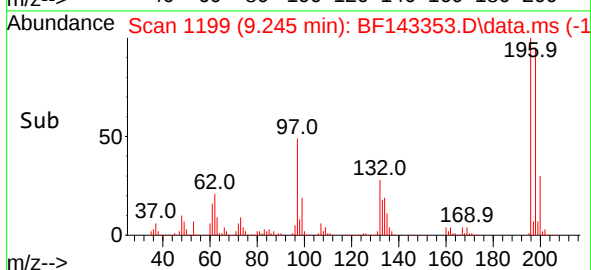
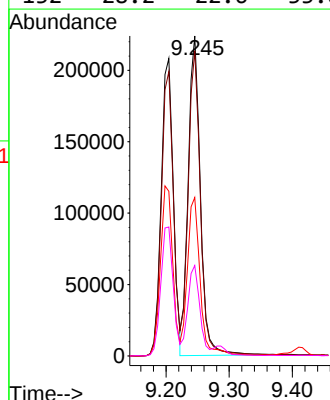
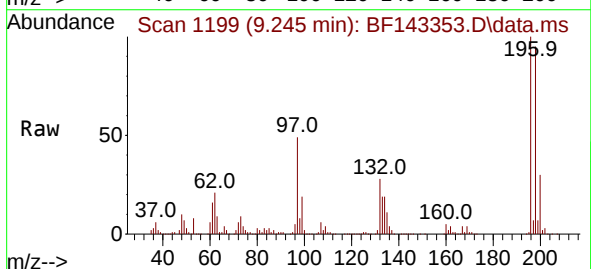
Ion Ratio Lower Upper

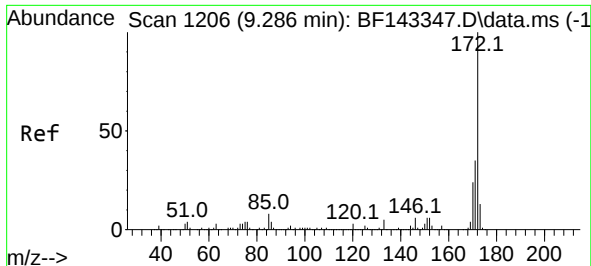
196 100

198 95.4 75.4 113.2

97 49.5 39.9 59.9

132 28.2 22.6 33.8





#45

2-Fluorobiphenyl

Concen: 85.324 ng

RT: 9.287 min Scan# 1206

Delta R.T. 0.000 min

Lab File: BF143353.D

Acq: 12 Aug 2025 14:53

Instrument :

BNA_F

ClientSampleId :

PB169189BS

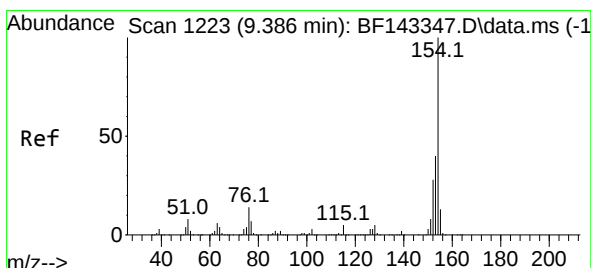
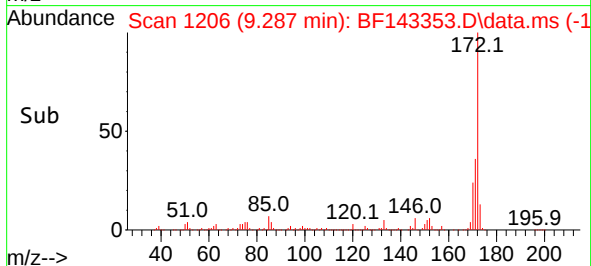
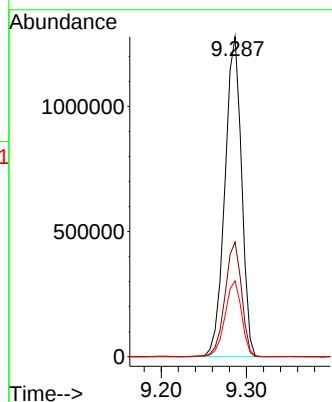
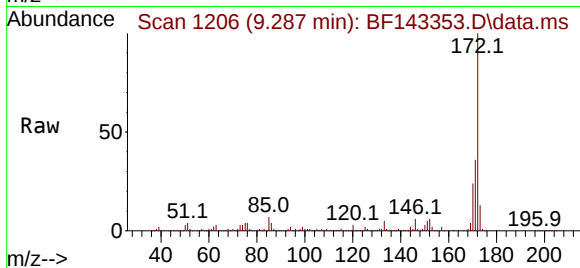
Tgt Ion:172 Resp: 1736835

Ion Ratio Lower Upper

172 100

171 35.8 28.4 42.6

170 23.7 19.1 28.7



#46

1,1'-Biphenyl

Concen: 45.937 ng

RT: 9.387 min Scan# 1223

Delta R.T. 0.000 min

Lab File: BF143353.D

Acq: 12 Aug 2025 14:53

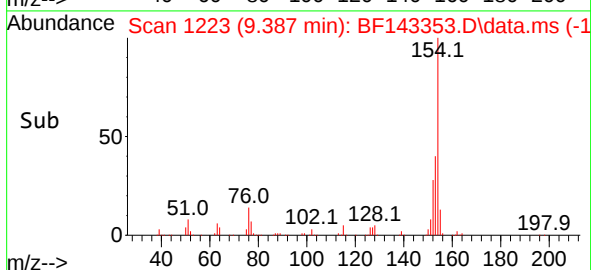
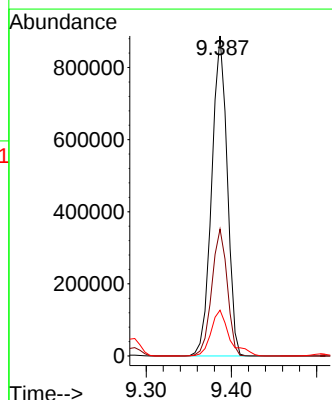
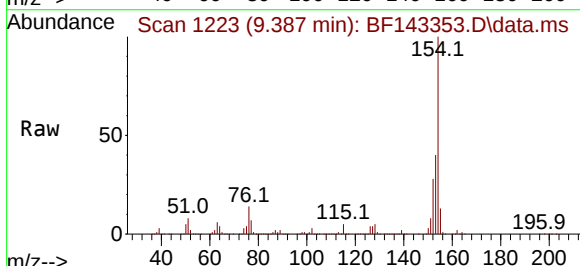
Tgt Ion:154 Resp: 1121150

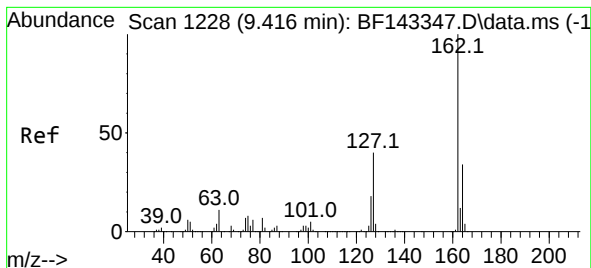
Ion Ratio Lower Upper

154 100

153 39.7 20.2 60.2

76 14.3 0.0 34.4





#47

2-Chloronaphthalene

Concen: 45.021 ng

RT: 9.410 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143353.D

Acq: 12 Aug 2025 14:53

Instrument :

BNA_F

ClientSampleId :

PB169189BS

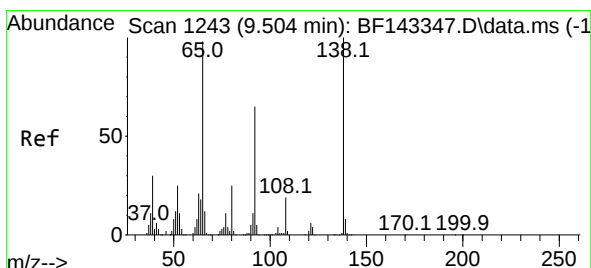
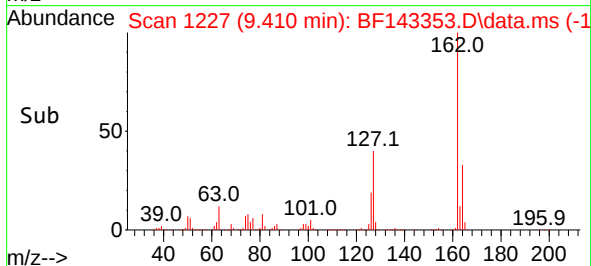
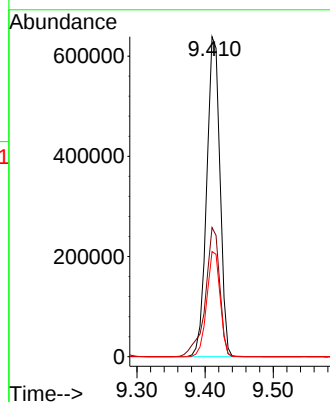
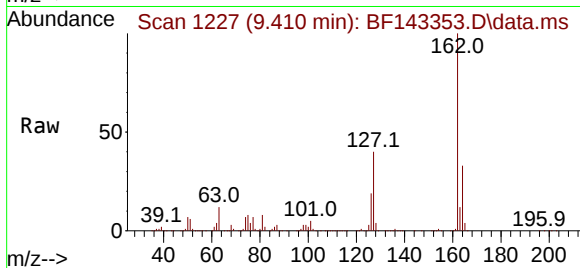
Tgt Ion:162 Resp: 865384

Ion Ratio Lower Upper

162 100

127 40.4 32.1 48.1

164 32.9 27.0 40.4



#48

2-Nitroaniline

Concen: 49.767 ng

RT: 9.504 min Scan# 1243

Delta R.T. 0.000 min

Lab File: BF143353.D

Acq: 12 Aug 2025 14:53

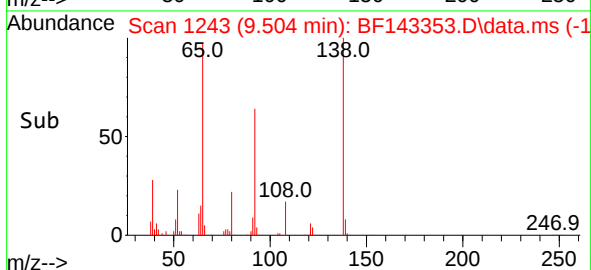
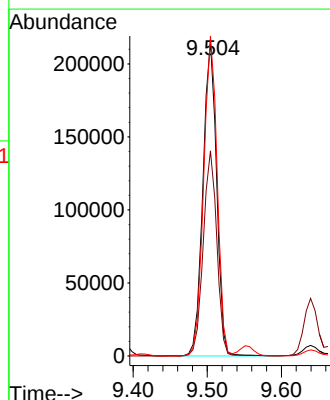
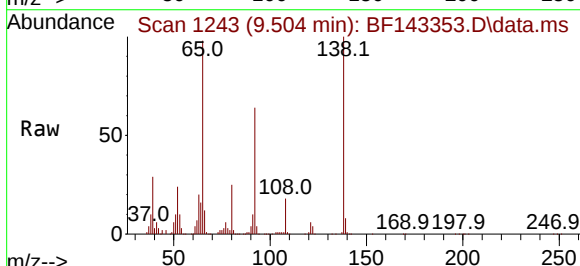
Tgt Ion: 65 Resp: 276499

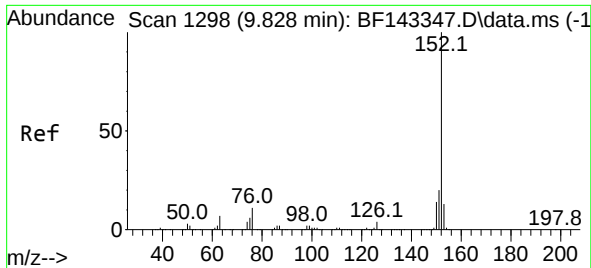
Ion Ratio Lower Upper

65 100

92 65.2 53.1 79.7

138 101.8 81.4 122.0

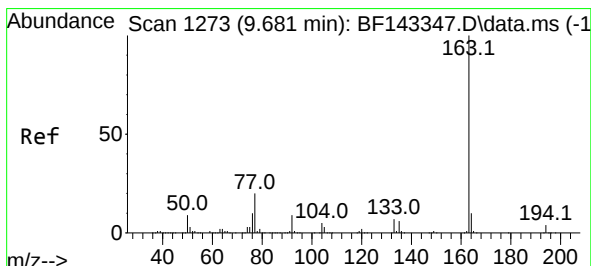
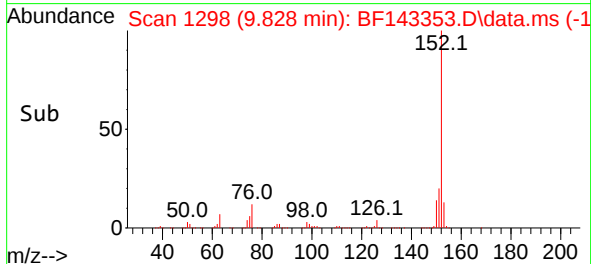
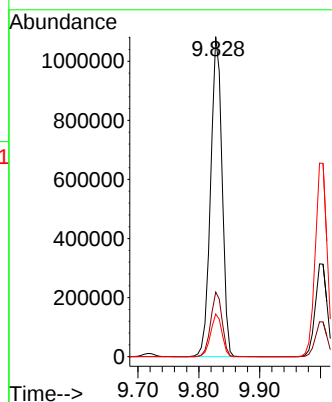
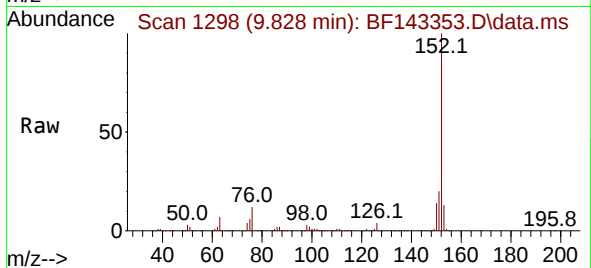




#49
Acenaphthylene
Concen: 50.983 ng
RT: 9.828 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

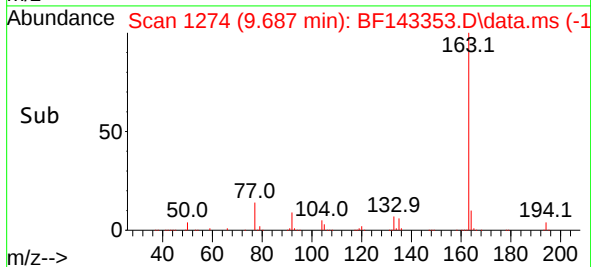
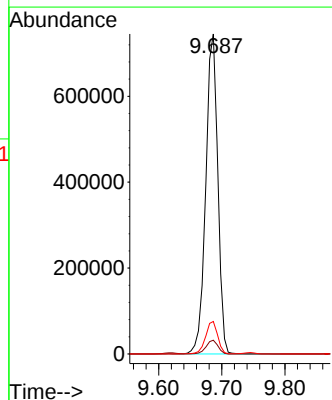
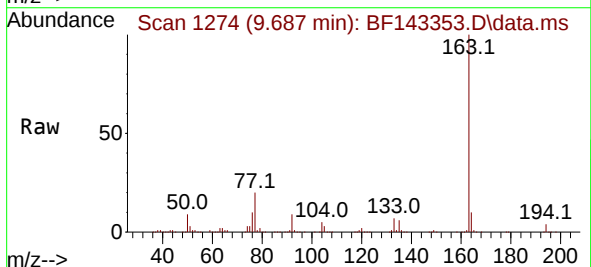
Instrument :
BNA_F
ClientSampleId :
PB169189BS

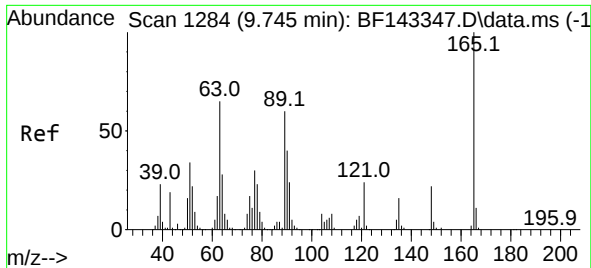
Tgt Ion:152 Resp: 1415209
Ion Ratio Lower Upper
152 100
151 20.2 16.2 24.2
153 13.3 10.6 16.0



#50
Dimethylphthalate
Concen: 49.086 ng
RT: 9.687 min Scan# 1274
Delta R.T. 0.006 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:163 Resp: 990050
Ion Ratio Lower Upper
163 100
194 4.3 3.3 4.9
164 10.1 8.2 12.2

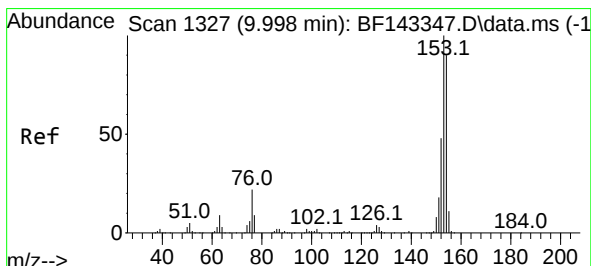
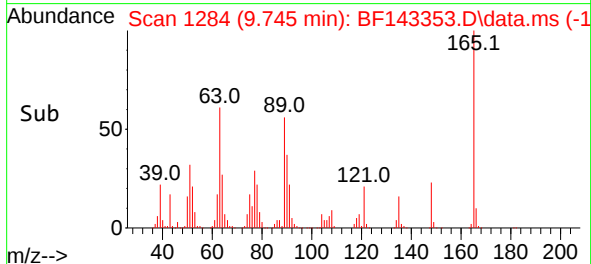
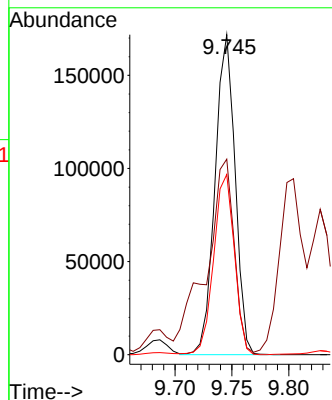
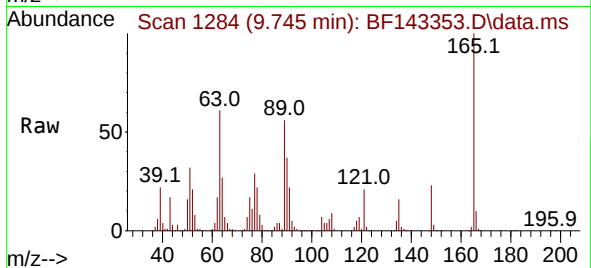




#51
2,6-Dinitrotoluene
Concen: 54.918 ng
RT: 9.745 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

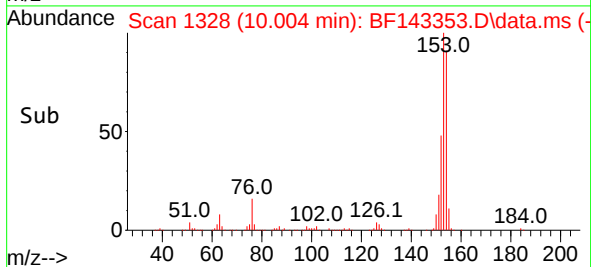
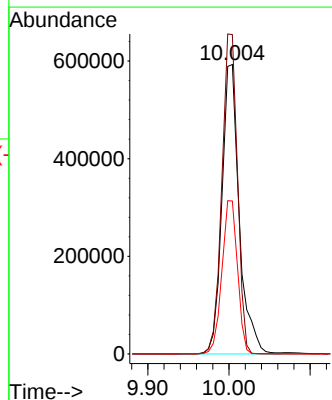
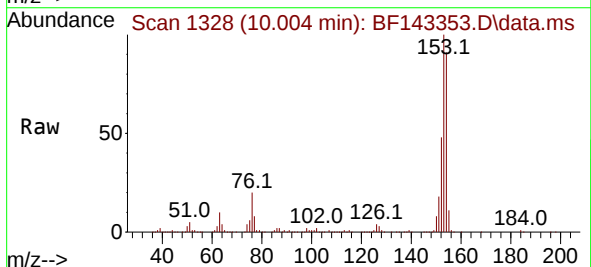
Instrument :
BNA_F
ClientSampleId :
PB169189BS

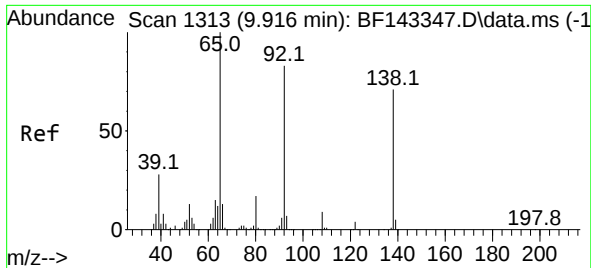
Tgt Ion:165 Resp: 211344
Ion Ratio Lower Upper
165 100
63 61.1 51.6 77.4
89 56.3 47.7 71.5



#52
Acenaphthene
Concen: 47.940 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.006 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:154 Resp: 884703
Ion Ratio Lower Upper
154 100
153 110.4 88.5 132.7
152 52.9 42.4 63.6

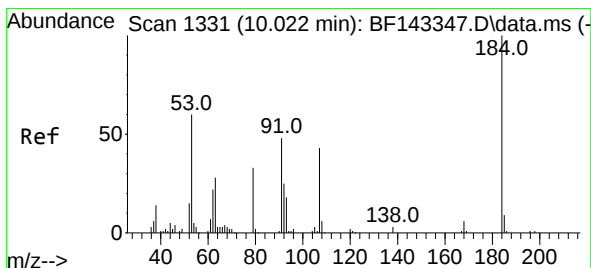
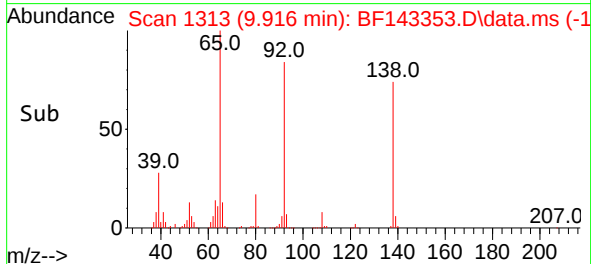
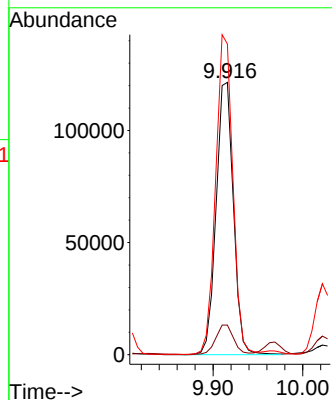
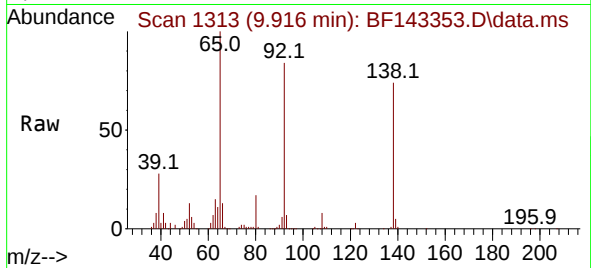




#53
3-Nitroaniline
Concen: 39.359 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

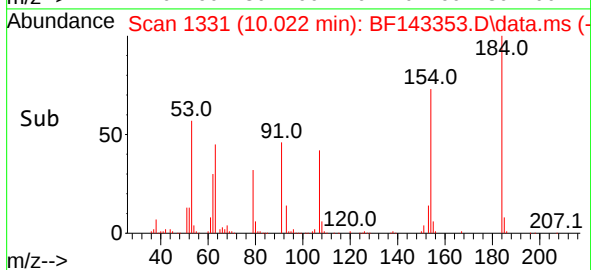
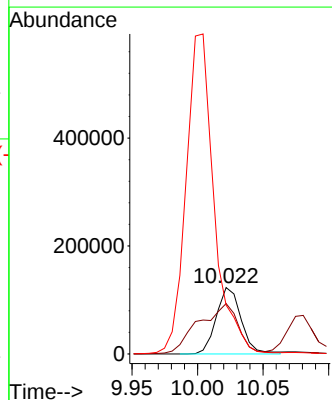
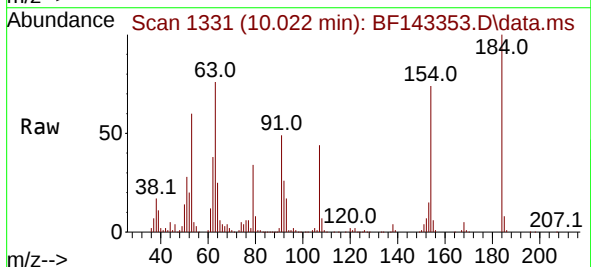
Instrument :
BNA_F
ClientSampleId :
PB169189BS

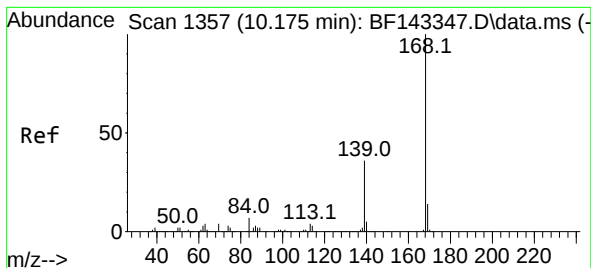
Tgt Ion:138 Resp: 162576
Ion Ratio Lower Upper
138 100
108 10.9 9.6 14.4
92 114.1 93.4 140.2



#54
2,4-Dinitrophenol
Concen: 92.709 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:184 Resp: 162049
Ion Ratio Lower Upper
184 100
63 75.9 62.5 93.7
154 73.6 73.0 109.4

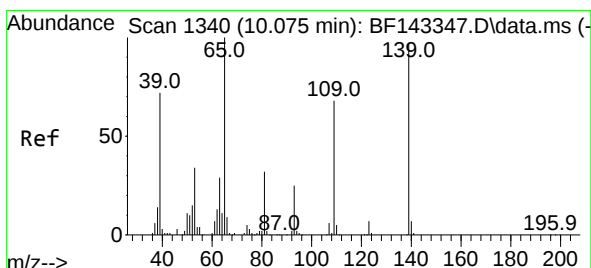
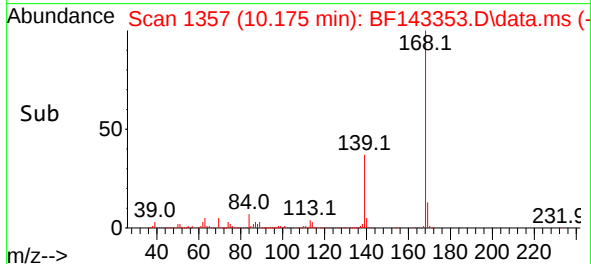
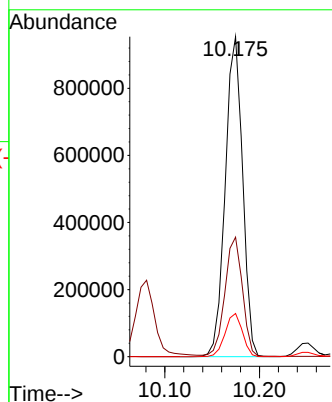
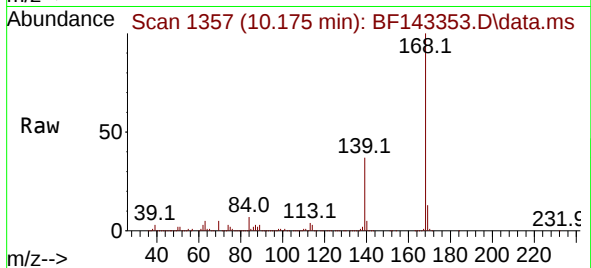




#55
Dibenzenofuran
Concen: 45.684 ng
RT: 10.175 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

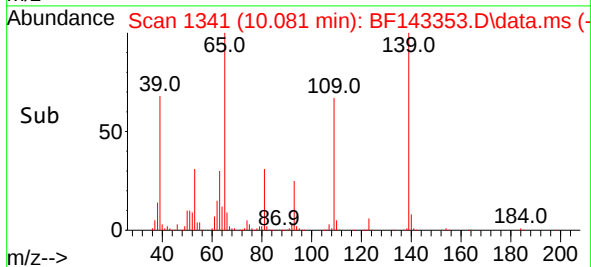
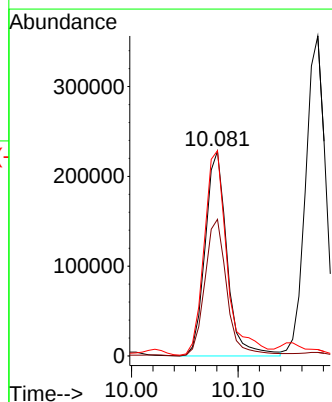
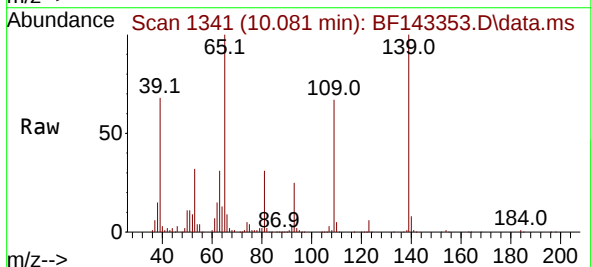
Instrument :
BNA_F
ClientSampleId :
PB169189BS

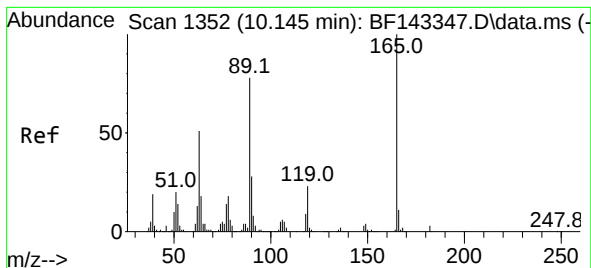
Tgt Ion:168 Resp: 1213361
Ion Ratio Lower Upper
168 100
139 37.4 29.4 44.0
169 13.5 11.0 16.6



#56
4-Nitrophenol
Concen: 97.305 ng
RT: 10.081 min Scan# 1341
Delta R.T. 0.006 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:139 Resp: 325418
Ion Ratio Lower Upper
139 100
109 66.7 49.4 89.4
65 100.2 83.7 123.7

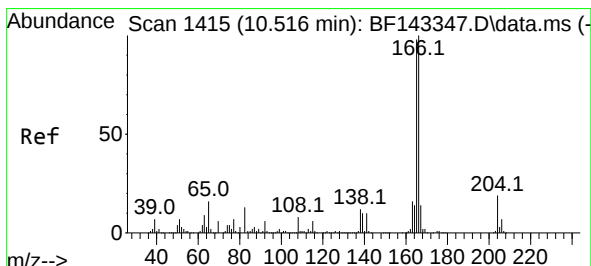
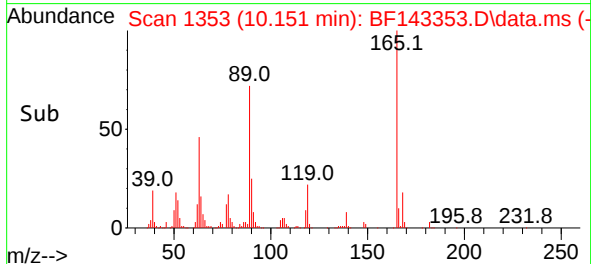
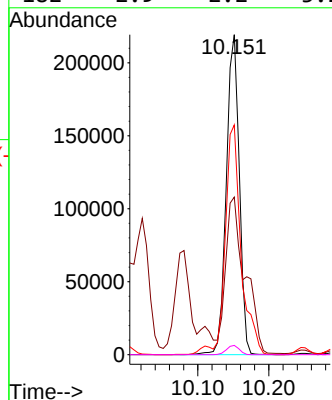
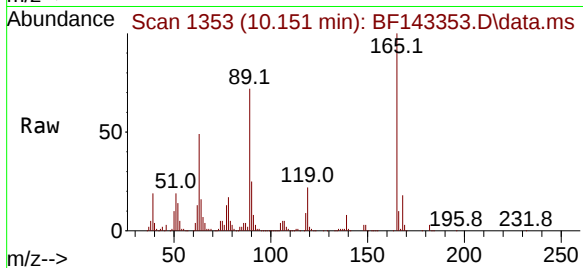




#57
2,4-Dinitrotoluene
Concen: 54.302 ng
RT: 10.151 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

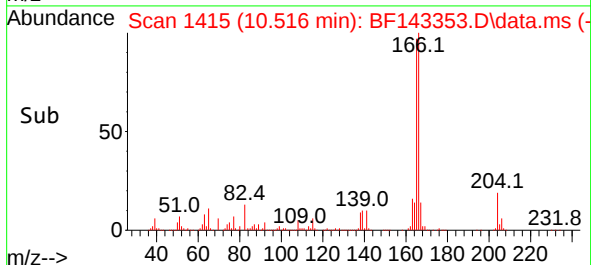
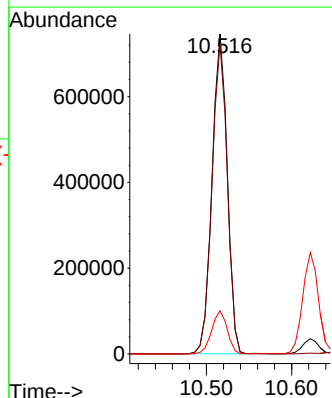
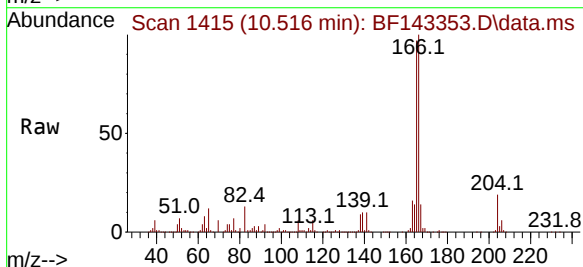
Instrument :
BNA_F
ClientSampleId :
PB169189BS

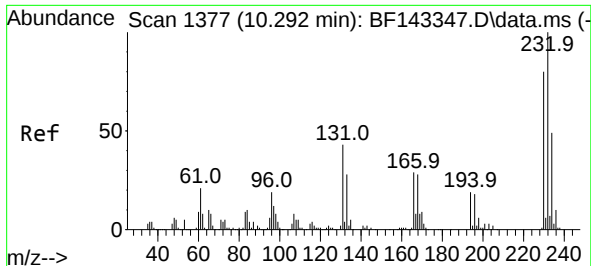
Tgt Ion:165 Resp: 277162
Ion Ratio Lower Upper
165 100
63 49.2 41.8 62.8
89 71.8 62.4 93.6
182 2.9 2.2 3.2



#58
Fluorene
Concen: 45.869 ng
RT: 10.516 min Scan# 1415
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:166 Resp: 930533
Ion Ratio Lower Upper
166 100
165 96.9 78.2 117.4
167 13.5 10.9 16.3

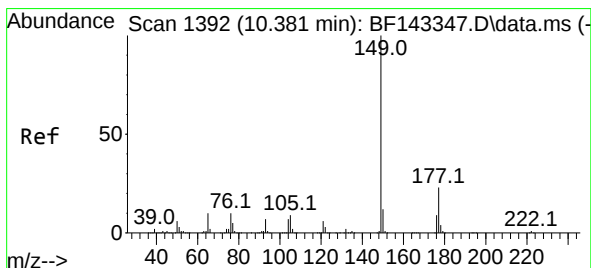
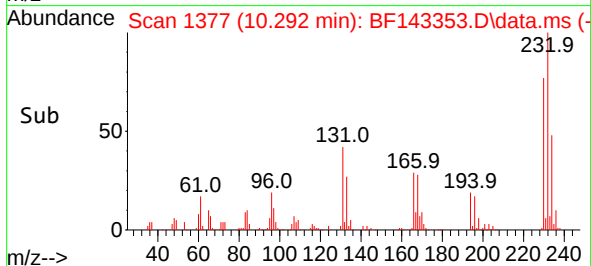
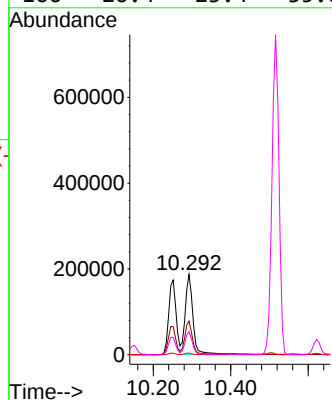
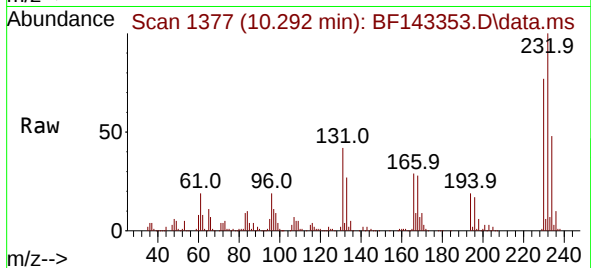




#59
2,3,4,6-Tetrachlorophenol
Concen: 64.089 ng
RT: 10.292 min Scan# 1377
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

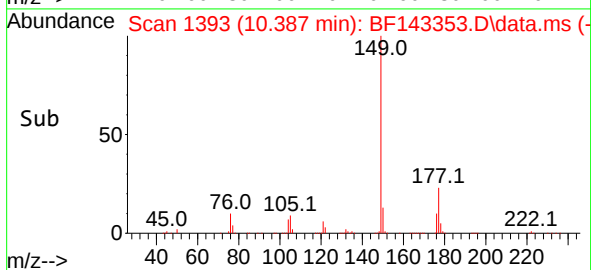
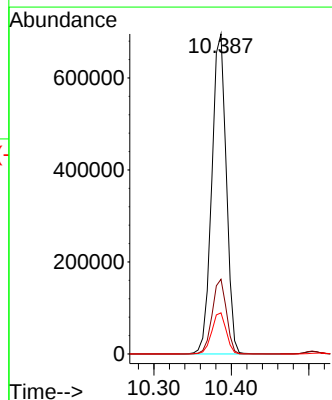
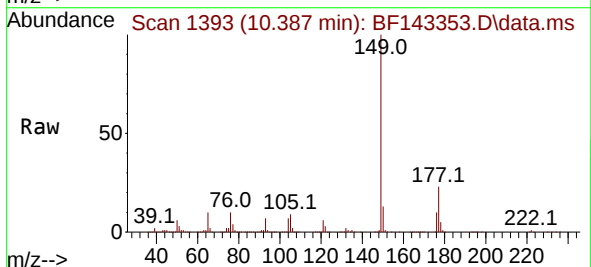
Instrument :
BNA_F
ClientSampleId :
PB169189BS

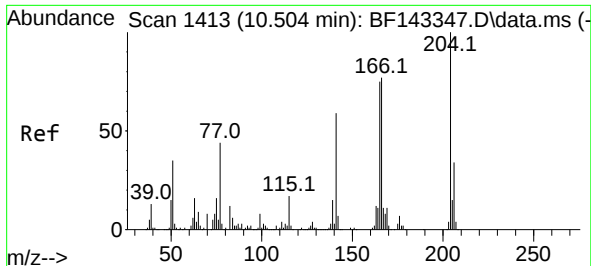
Tgt Ion:232 Resp: 261466
Ion Ratio Lower Upper
232 100
131 40.8 34.6 51.8
130 2.1 1.7 2.5
166 26.4 23.4 35.0



#60
Diethylphthalate
Concen: 49.990 ng
RT: 10.387 min Scan# 1393
Delta R.T. 0.006 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:149 Resp: 903138
Ion Ratio Lower Upper
149 100
177 23.3 18.2 27.2
150 12.9 9.9 14.9

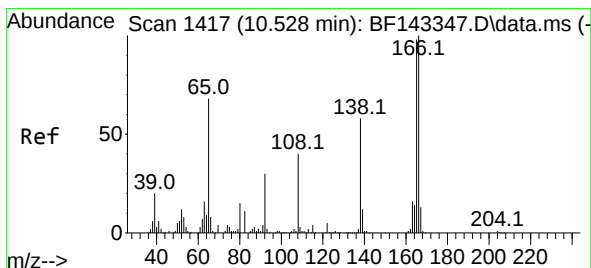
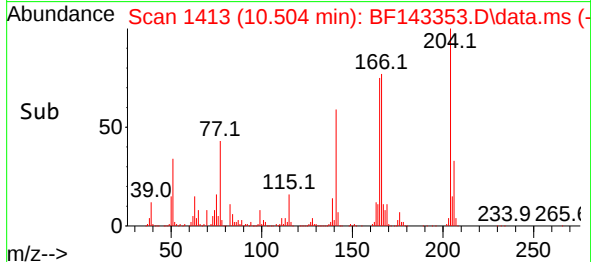
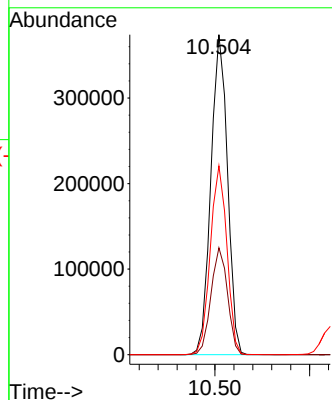
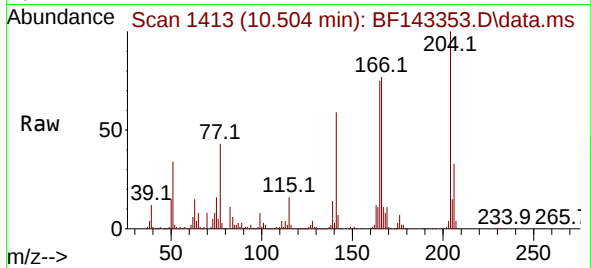




#61
4-Chlorophenyl-phenylether
Concen: 46.404 ng
RT: 10.504 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

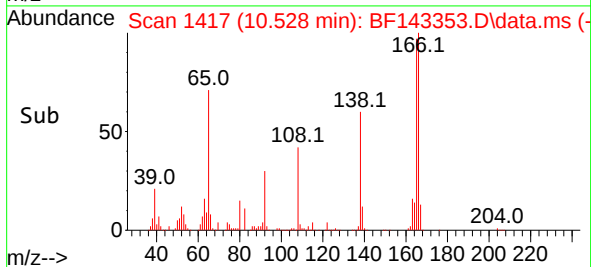
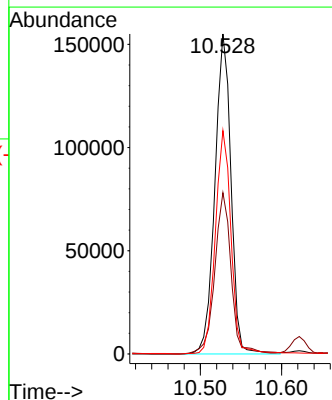
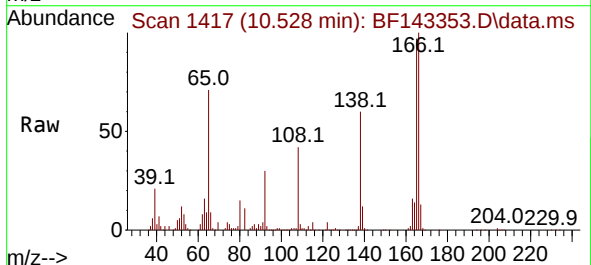
Instrument :
BNA_F
ClientSampleId :
PB169189BS

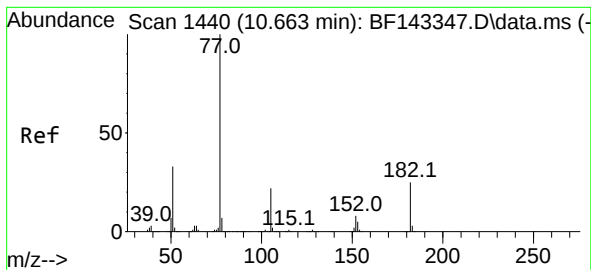
Tgt Ion:204 Resp: 454878
Ion Ratio Lower Upper
204 100
206 33.4 27.4 41.2
141 59.0 46.9 70.3



#62
4-Nitroaniline
Concen: 53.506 ng
RT: 10.528 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:138 Resp: 213830
Ion Ratio Lower Upper
138 100
92 50.4 31.2 71.2
108 69.8 48.1 88.1

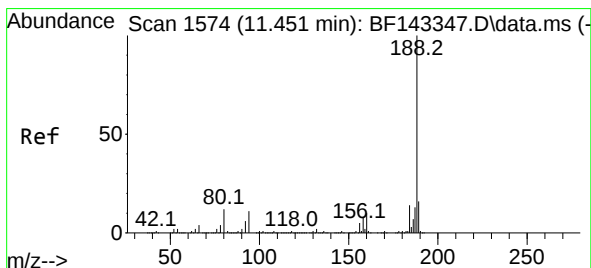
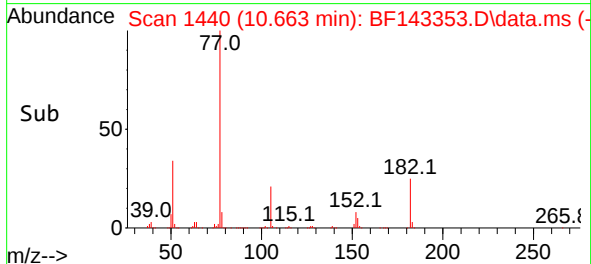
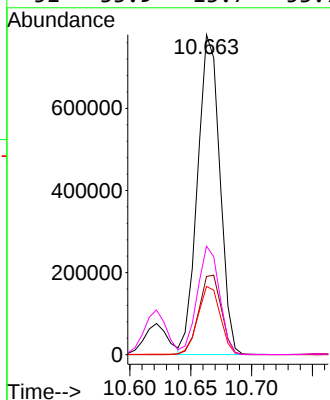
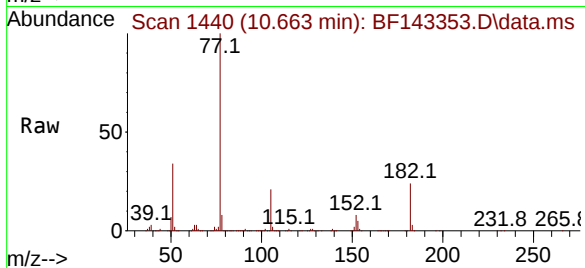




#63
 Azobenzene
 Concen: 48.123 ng
 RT: 10.663 min Scan# 1440
 Delta R.T. 0.000 min
 Lab File: BF143353.D
 Acq: 12 Aug 2025 14:53

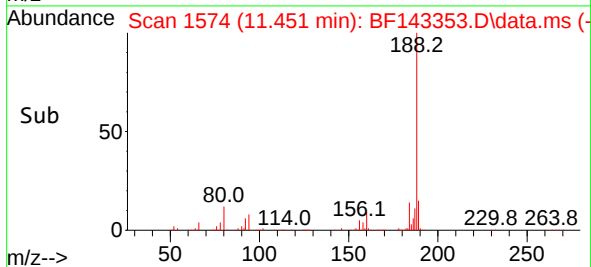
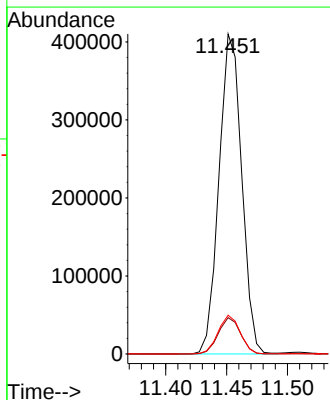
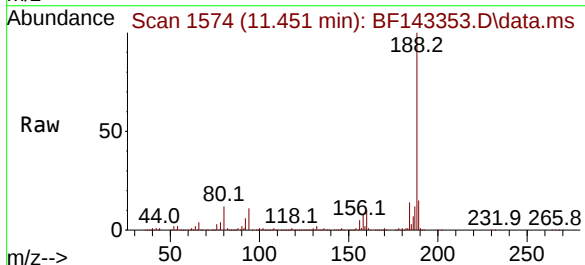
Instrument :
 BNA_F
 ClientSampleId :
 PB169189BS

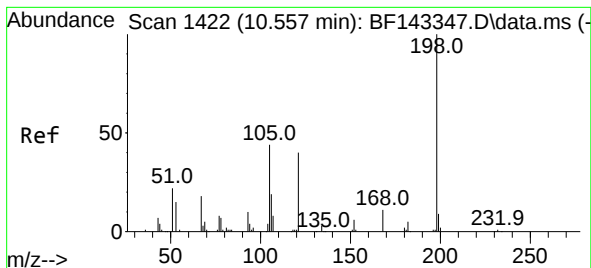
Tgt Ion: 77	Resp: 993057
Ion Ratio	Lower Upper
77 100	
182 24.5	4.4 44.4
105 21.3	1.8 41.8
51 33.9	13.7 53.7



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.451 min Scan# 1574
 Delta R.T. 0.000 min
 Lab File: BF143353.D
 Acq: 12 Aug 2025 14:53

Tgt Ion:188	Resp: 531787
Ion Ratio	Lower Upper
188 100	
94 11.4	8.8 13.2
80 12.1	9.7 14.5

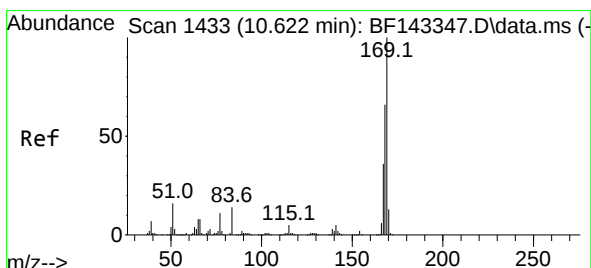
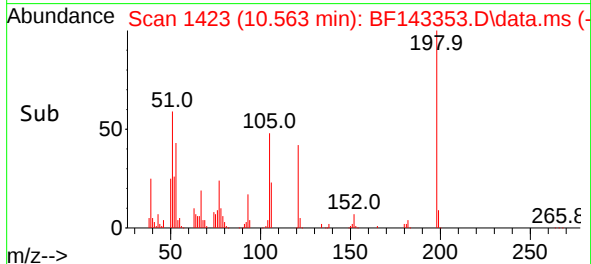
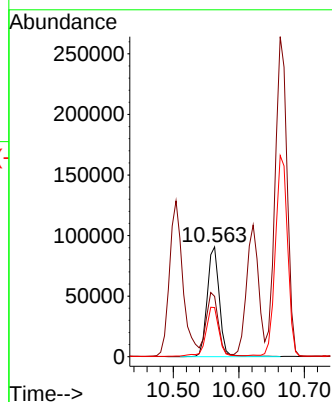
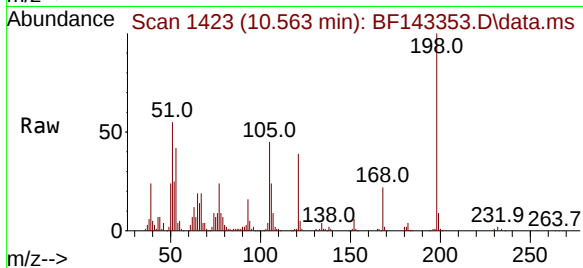




#65
4,6-Dinitro-2-methylphenol
Concen: 53.379 ng
RT: 10.563 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

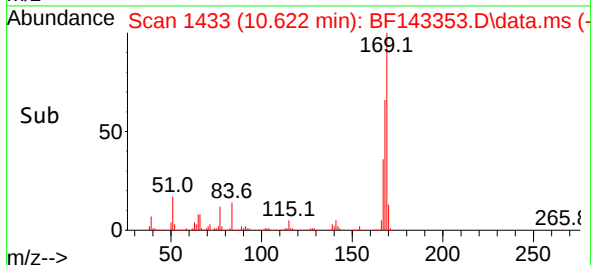
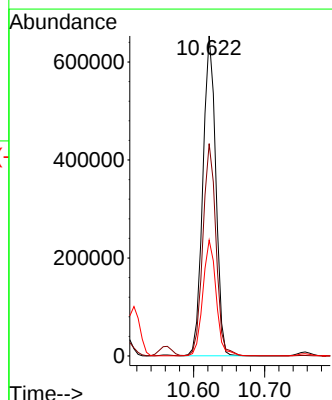
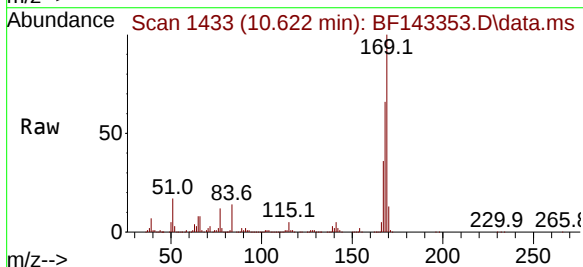
Instrument :
BNA_F
ClientSampleId :
PB169189BS

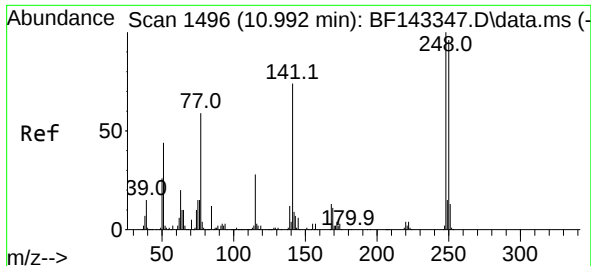
Tgt Ion:198 Resp: 116908
Ion Ratio Lower Upper
198 100
51 55.0 41.7 81.7
105 44.8 26.8 66.8



#66
n-Nitrosodiphenylamine
Concen: 47.235 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

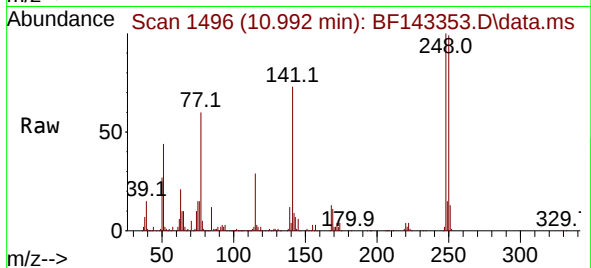
Tgt Ion:169 Resp: 827105
Ion Ratio Lower Upper
169 100
168 66.4 52.7 79.1
167 36.2 28.6 42.8



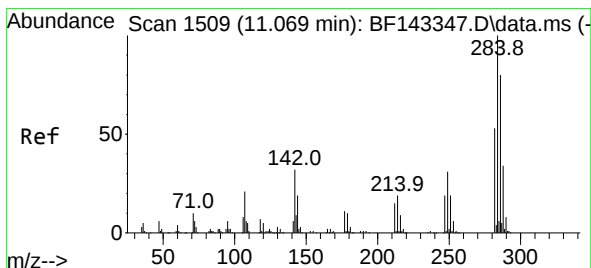
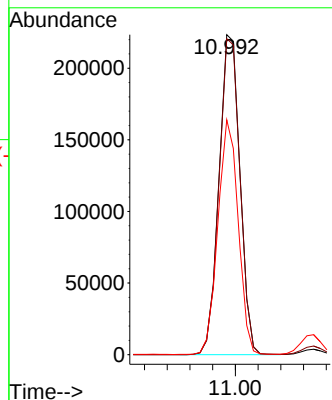
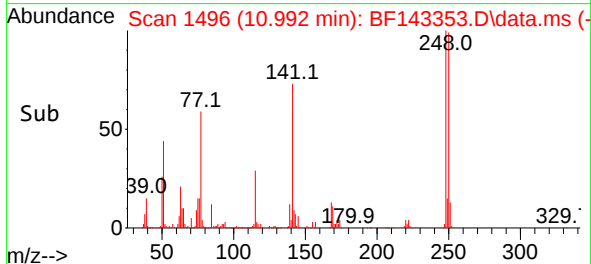


#67
4-Bromophenyl-phenylether
Concen: 47.126 ng
RT: 10.992 min Scan# 1496
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

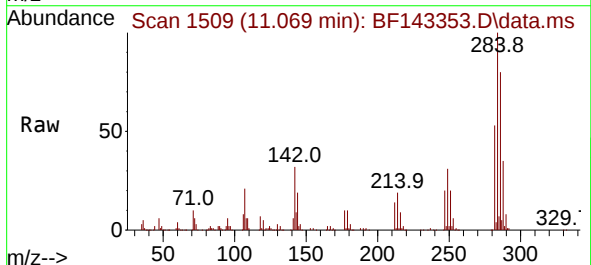
Instrument :
BNA_F
ClientSampleId :
PB169189BS



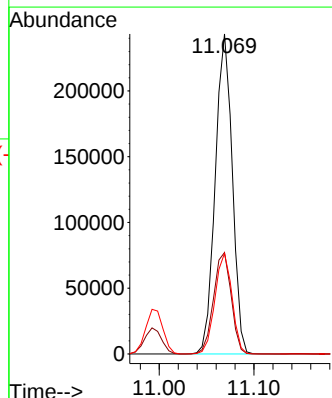
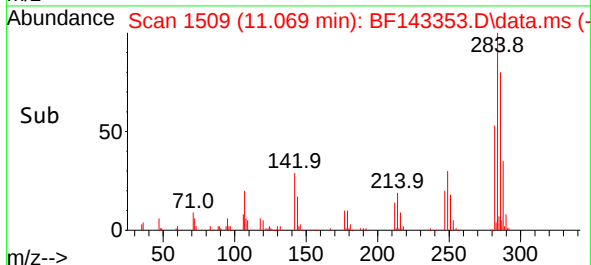
Tgt Ion:248 Resp: 286617
Ion Ratio Lower Upper
248 100
250 98.7 77.1 115.7
141 73.4 59.1 88.7

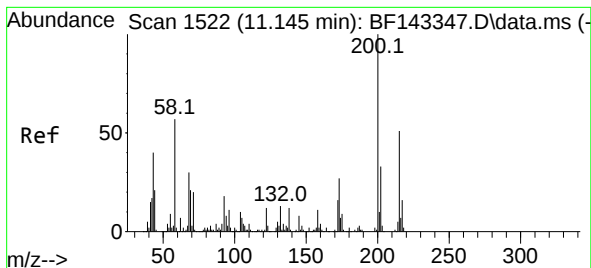


#68
Hexachlorobenzene
Concen: 46.289 ng
RT: 11.069 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53



Tgt Ion:284 Resp: 303457
Ion Ratio Lower Upper
284 100
142 31.7 25.7 38.5
249 31.5 24.6 37.0





#69

Atrazine

Concen: 51.923 ng

RT: 11.145 min Scan# 1522

Delta R.T. 0.000 min

Lab File: BF143353.D

Acq: 12 Aug 2025 14:53

Instrument :

BNA_F

ClientSampleId :

PB169189BS

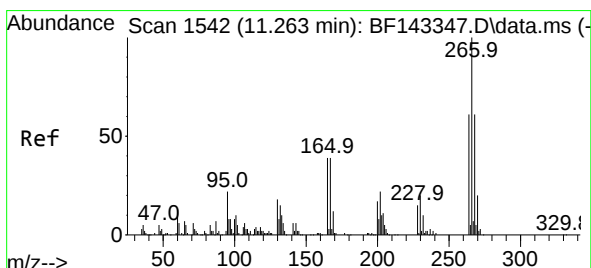
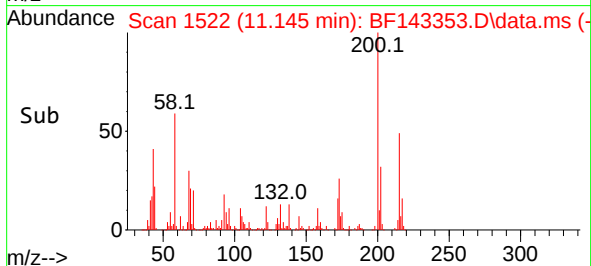
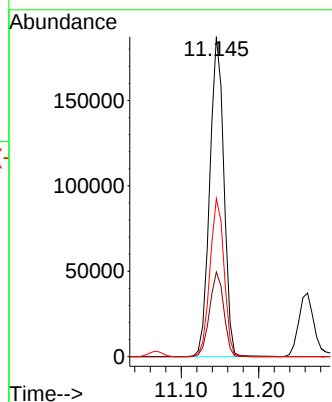
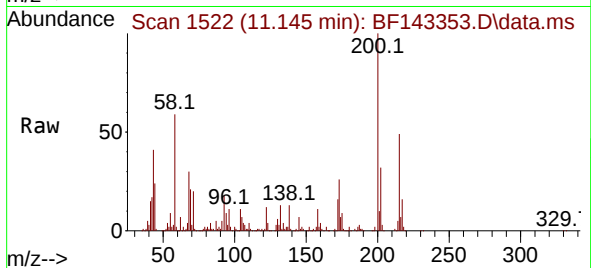
Tgt Ion:200 Resp: 237139

Ion Ratio Lower Upper

200 100

173 26.5 6.6 46.6

215 49.4 30.6 70.6



#70

Pentachlorophenol

Concen: 93.837 ng

RT: 11.263 min Scan# 1542

Delta R.T. -0.000 min

Lab File: BF143353.D

Acq: 12 Aug 2025 14:53

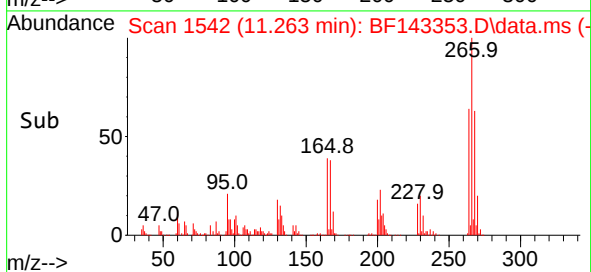
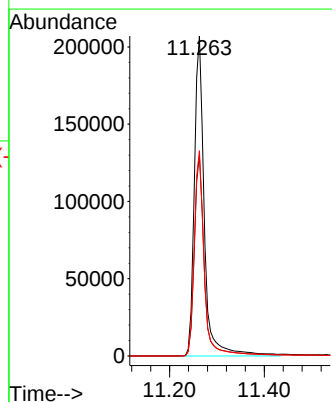
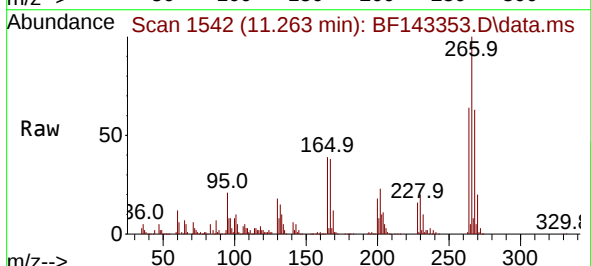
Tgt Ion:266 Resp: 304667

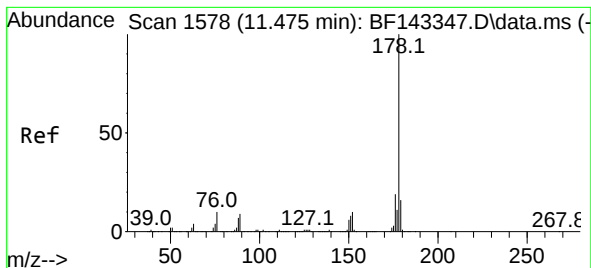
Ion Ratio Lower Upper

266 100

268 62.7 48.8 73.2

264 64.2 48.8 73.2





#71

Phenanthrene

Concen: 44.933 ng

RT: 11.481 min Scan# 1578

Delta R.T. 0.006 min

Lab File: BF143353.D

Acq: 12 Aug 2025 14:53

Instrument :

BNA_F

ClientSampleId :

PB169189BS

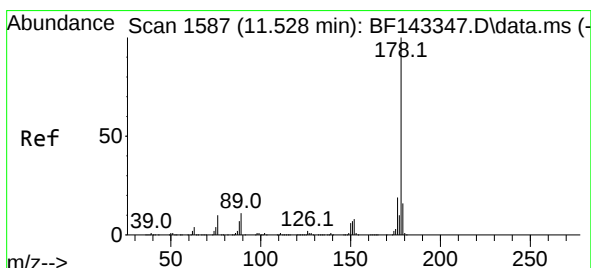
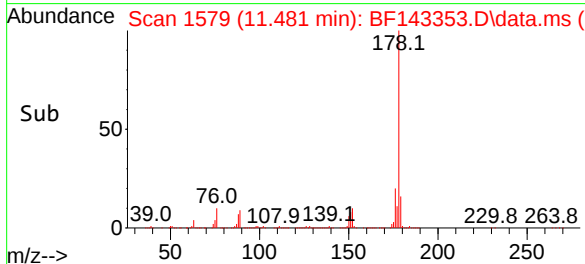
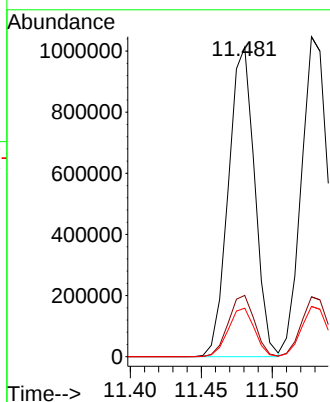
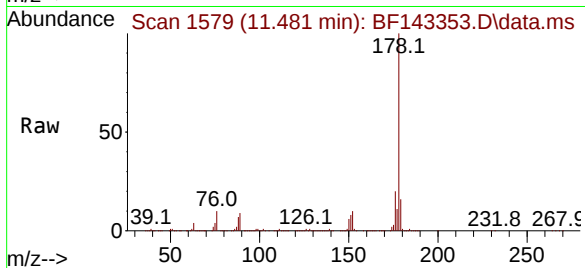
Tgt Ion:178 Resp: 1303687

Ion Ratio Lower Upper

178 100

176 19.8 15.5 23.3

179 15.6 12.5 18.7



#72

Anthracene

Concen: 45.931 ng

RT: 11.528 min Scan# 1587

Delta R.T. 0.000 min

Lab File: BF143353.D

Acq: 12 Aug 2025 14:53

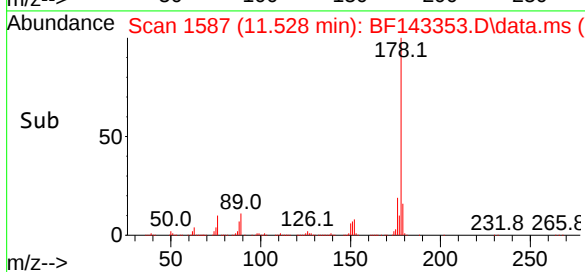
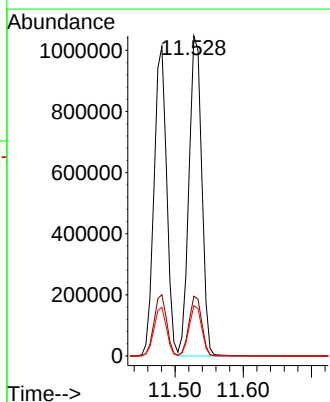
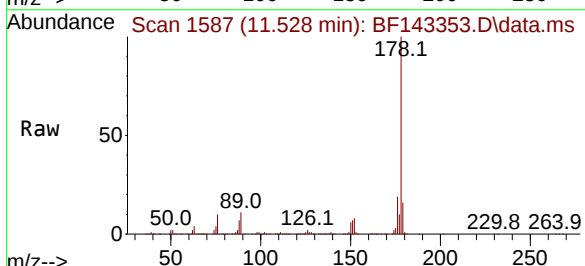
Tgt Ion:178 Resp: 1351509

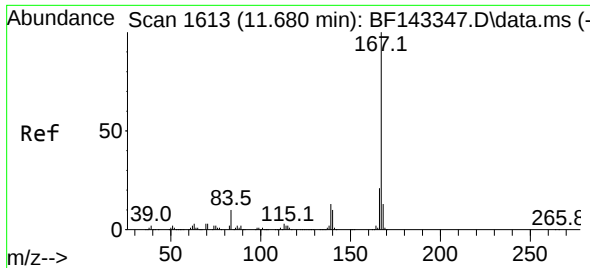
Ion Ratio Lower Upper

178 100

176 18.7 15.1 22.7

179 15.7 12.7 19.1

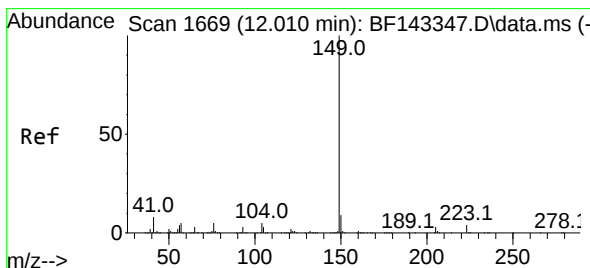
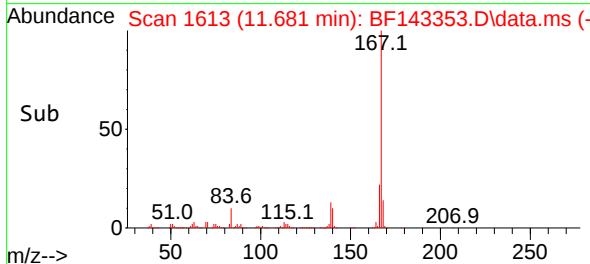
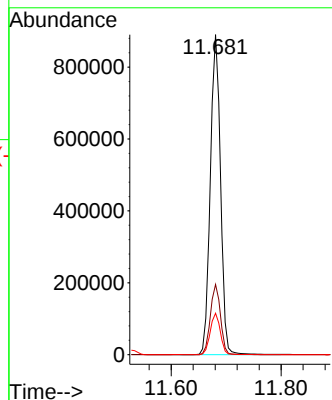
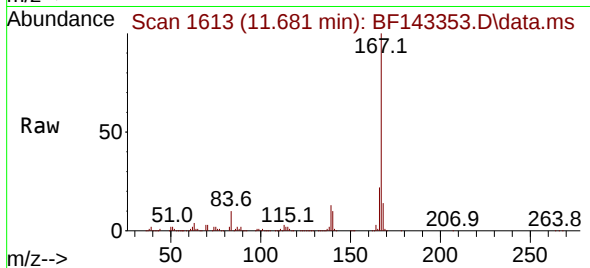




#73
 Carbazole
 Concen: 45.538 ng
 RT: 11.681 min Scan# 1613
 Delta R.T. 0.000 min
 Lab File: BF143353.D
 Acq: 12 Aug 2025 14:53

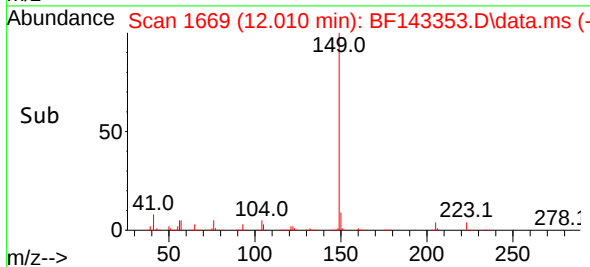
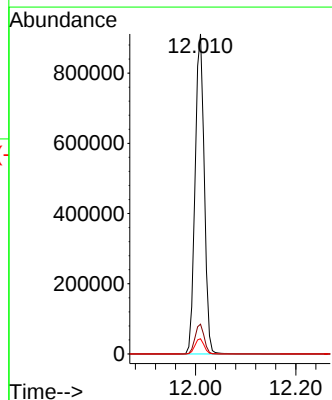
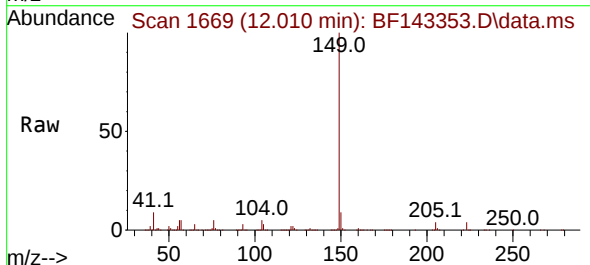
Instrument :
 BNA_F
 ClientSampleId :
 PB169189BS

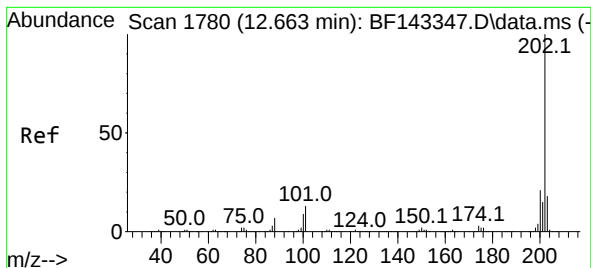
Tgt Ion:167 Resp: 1141159
 Ion Ratio Lower Upper
 167 100
 166 22.0 16.8 25.2
 139 13.0 10.2 15.2



#74
 Di-n-butylphthalate
 Concen: 54.244 ng
 RT: 12.010 min Scan# 1669
 Delta R.T. -0.000 min
 Lab File: BF143353.D
 Acq: 12 Aug 2025 14:53

Tgt Ion:149 Resp: 1150281
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.4 11.0
 104 4.7 3.8 5.8





#75

Fluoranthene

Concen: 45.612 ng

RT: 12.663 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143353.D

Acq: 12 Aug 2025 14:53

Instrument :

BNA_F

ClientSampleId :

PB169189BS

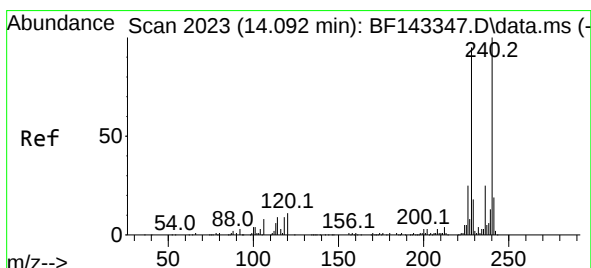
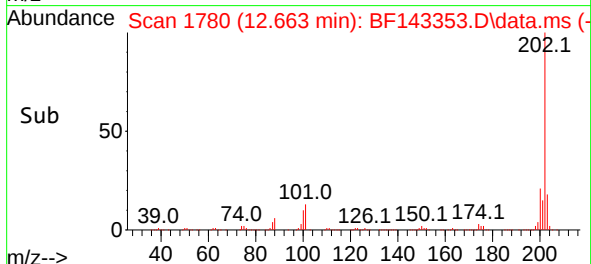
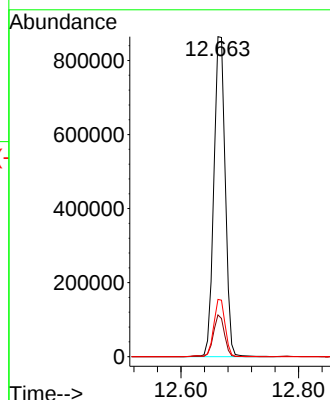
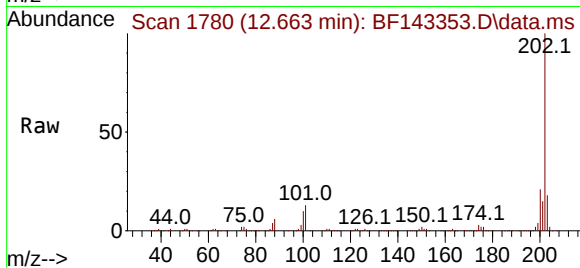
Tgt Ion:202 Resp: 1159235

Ion Ratio Lower Upper

202 100

101 13.0 0.0 33.2

203 17.9 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.092 min Scan# 2023

Delta R.T. 0.000 min

Lab File: BF143353.D

Acq: 12 Aug 2025 14:53

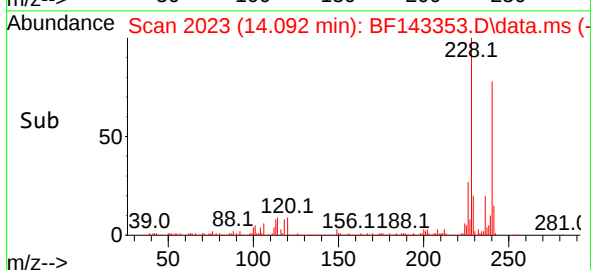
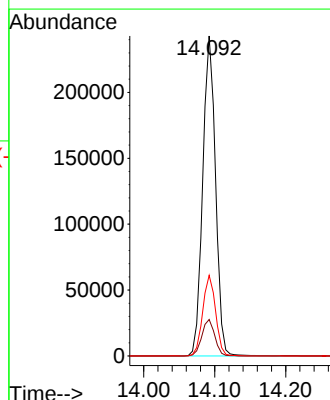
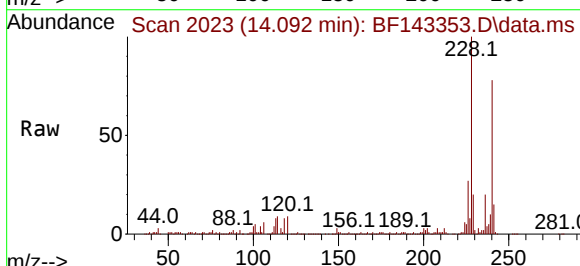
Tgt Ion:240 Resp: 305054

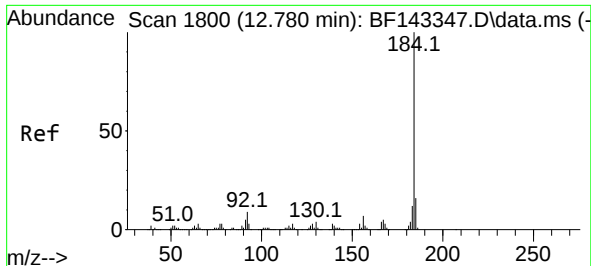
Ion Ratio Lower Upper

240 100

120 11.4 9.0 13.6

236 25.2 19.9 29.9

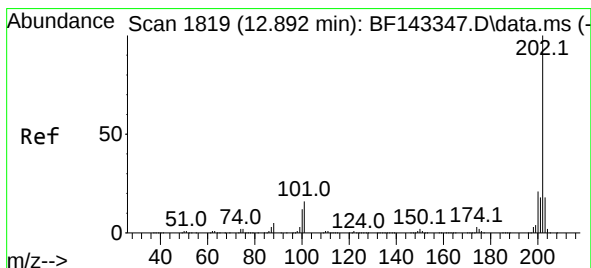
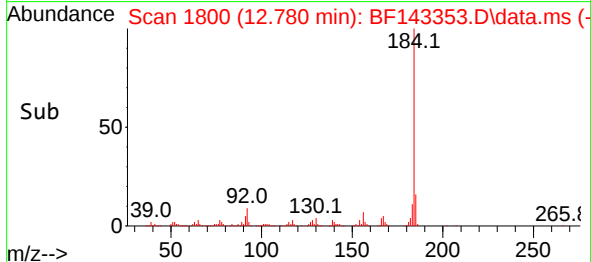
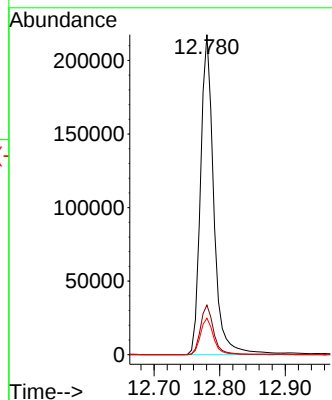
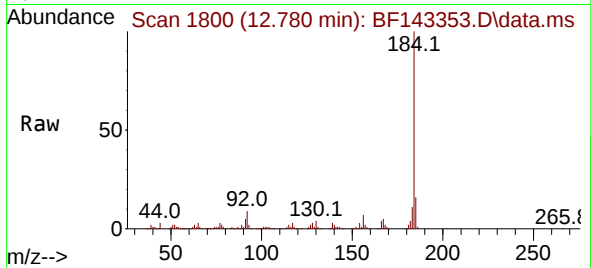




#77
Benzidine
Concen: 36.741 ng
RT: 12.780 min Scan# 1800
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

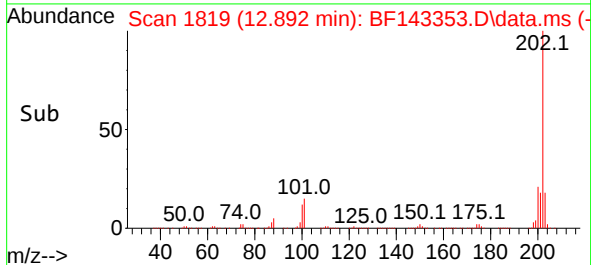
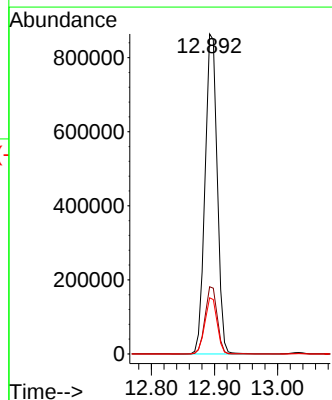
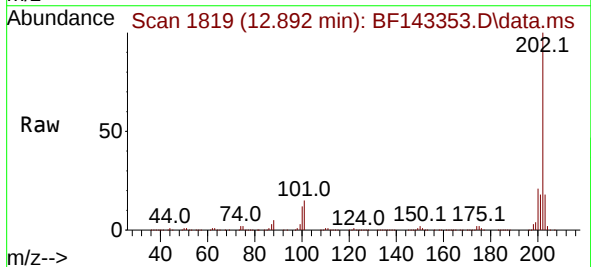
Instrument :
BNA_F
ClientSampleId :
PB169189BS

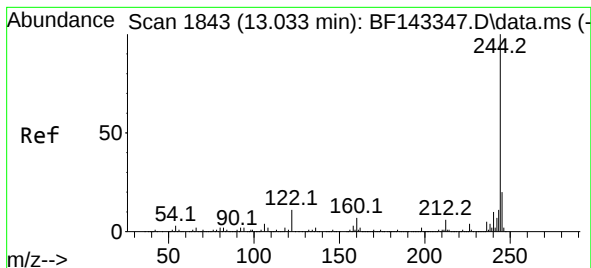
Tgt Ion:184 Resp: 306418
Ion Ratio Lower Upper
184 100
185 15.5 12.8 19.2
183 11.4 9.3 13.9



#78
Pyrene
Concen: 45.218 ng
RT: 12.892 min Scan# 1819
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:202 Resp: 1157188
Ion Ratio Lower Upper
202 100
200 21.0 16.8 25.2
203 17.6 14.2 21.4





#79

Terphenyl-d14

Concen: 87.763 ng

RT: 13.033 min Scan# 1843

Delta R.T. 0.000 min

Lab File: BF143353.D

Acq: 12 Aug 2025 14:53

Instrument :

BNA_F

ClientSampleId :

PB169189BS

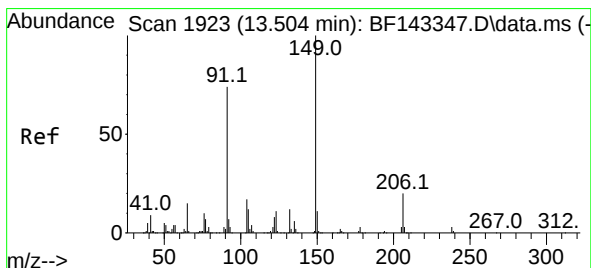
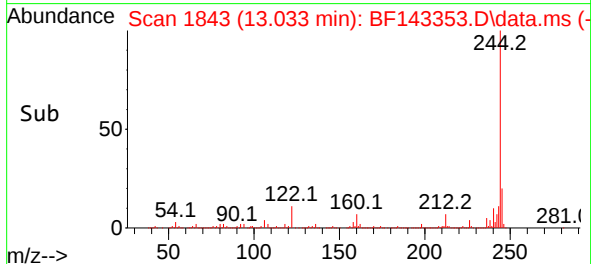
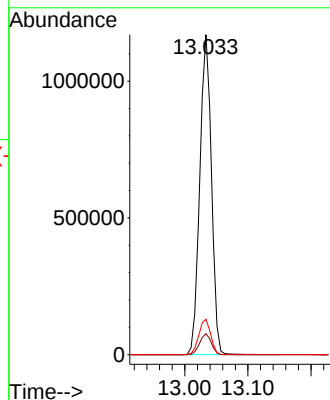
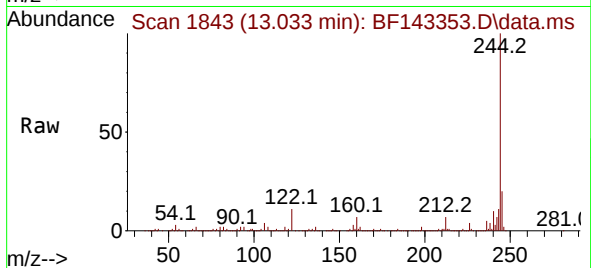
Tgt Ion:244 Resp: 1499571

Ion Ratio Lower Upper

244 100

212 6.6 5.1 7.7

122 11.1 8.9 13.3



#80

Butylbenzylphthalate

Concen: 51.728 ng

RT: 13.504 min Scan# 1923

Delta R.T. -0.000 min

Lab File: BF143353.D

Acq: 12 Aug 2025 14:53

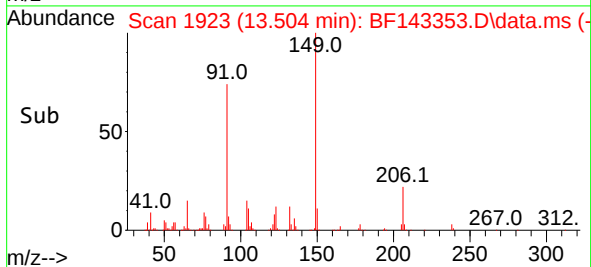
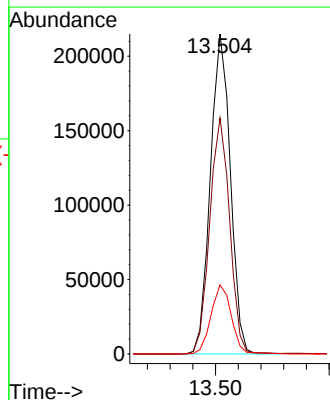
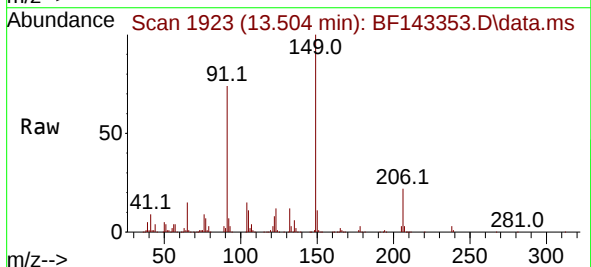
Tgt Ion:149 Resp: 263013

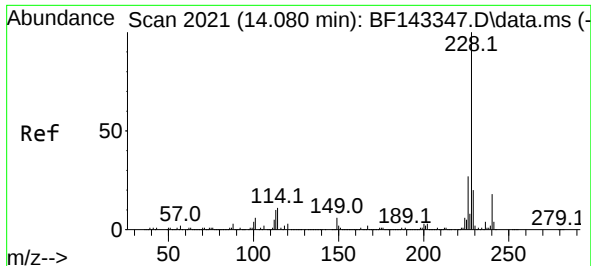
Ion Ratio Lower Upper

149 100

91 73.7 58.8 88.2

206 21.6 16.4 24.6

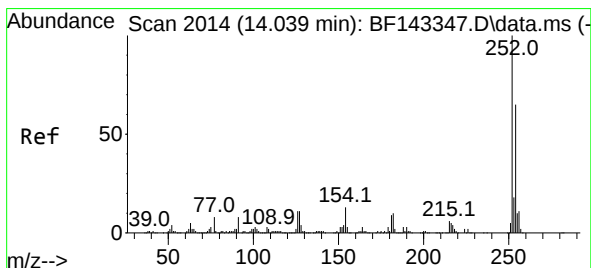
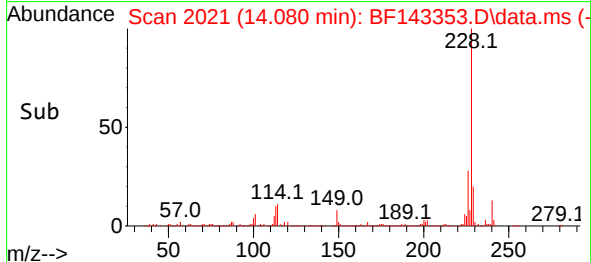
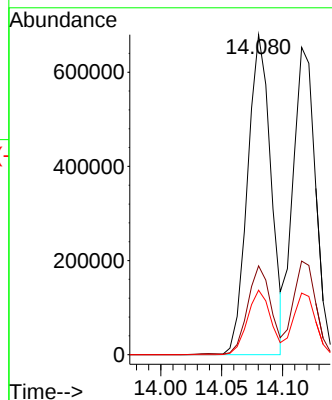
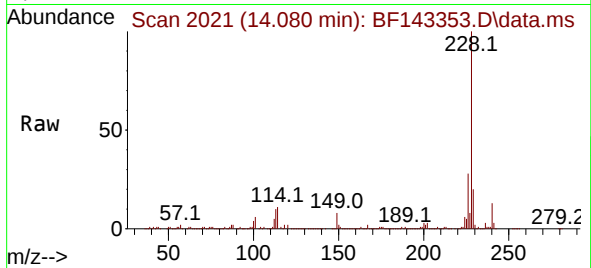




#81
Benzo(a)anthracene
Concen: 46.966 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

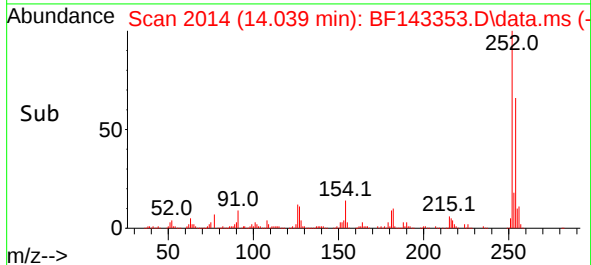
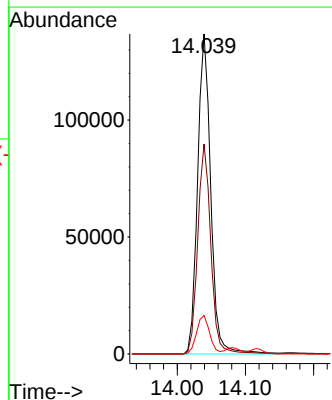
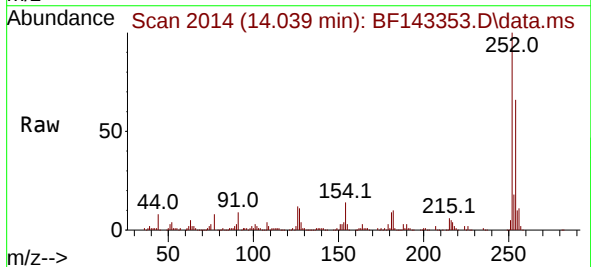
Instrument :
BNA_F
ClientSampleId :
PB169189BS

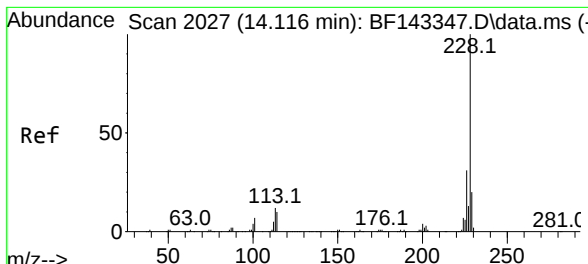
Tgt Ion:228 Resp: 910629
Ion Ratio Lower Upper
228 100
226 27.7 22.0 33.0
229 20.1 15.8 23.8



#82
3,3'-Dichlorobenzidine
Concen: 35.043 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:252 Resp: 183468
Ion Ratio Lower Upper
252 100
254 65.6 51.7 77.5
126 12.1 9.2 13.8

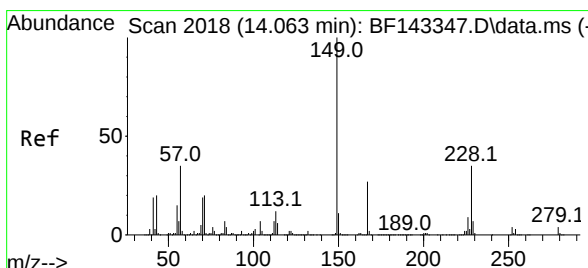
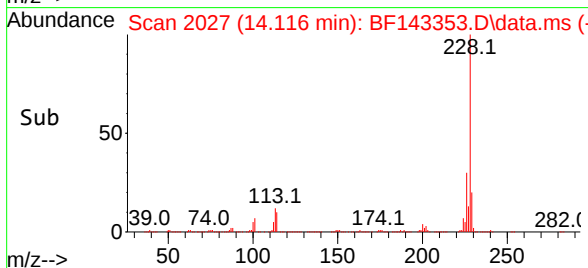
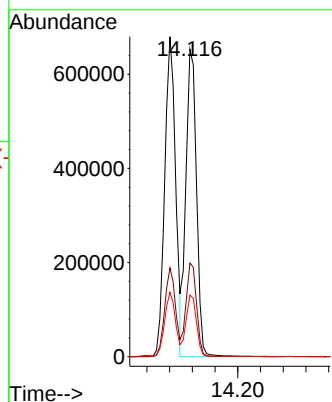
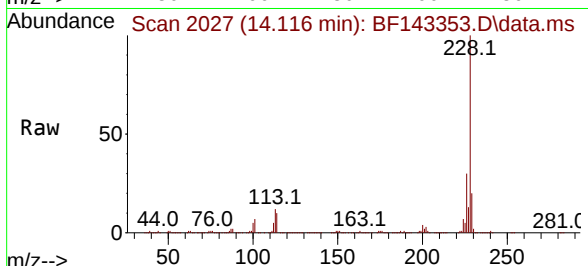




#83
Chrysene
Concen: 46.782 ng
RT: 14.116 min Scan# 2027
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

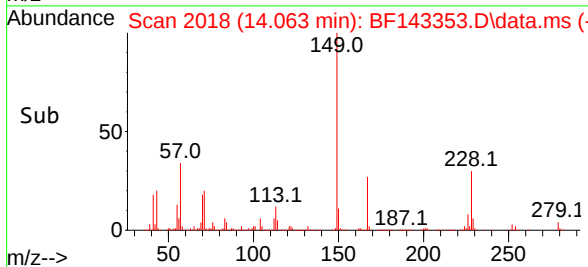
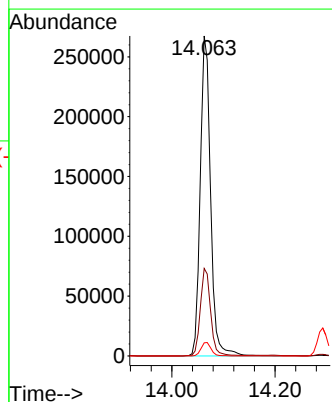
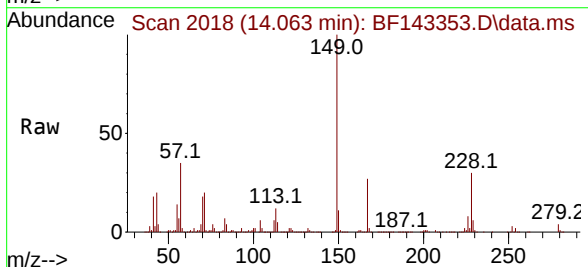
Instrument :
BNA_F
ClientSampleId :
PB169189BS

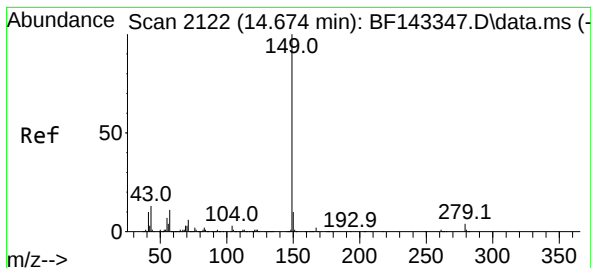
Tgt Ion:228 Resp: 845788
Ion Ratio Lower Upper
228 100
226 30.5 24.2 36.2
229 20.0 15.8 23.6



#84
Bis(2-ethylhexyl)phthalate
Concen: 49.572 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:149 Resp: 369793
Ion Ratio Lower Upper
149 100
167 27.3 21.4 32.0
279 4.1 3.2 4.8

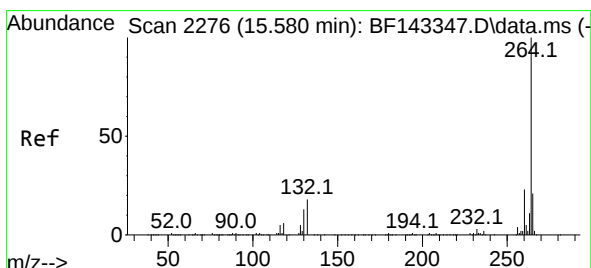
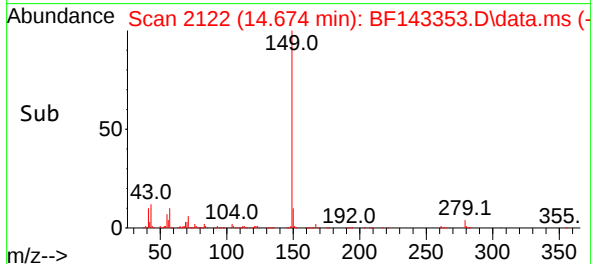
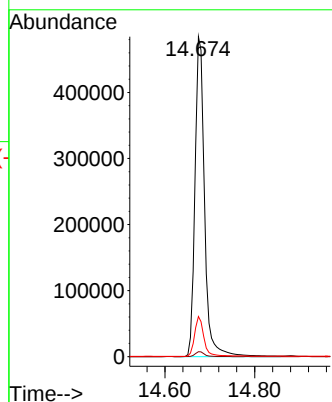
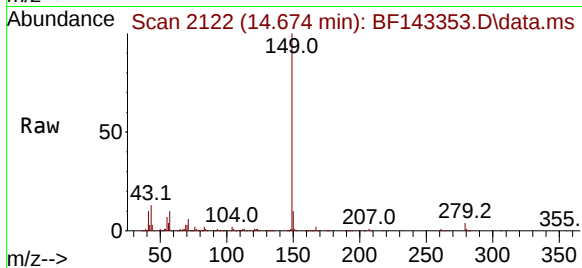




#85
Di-n-octyl phthalate
Concen: 48.439 ng
RT: 14.674 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

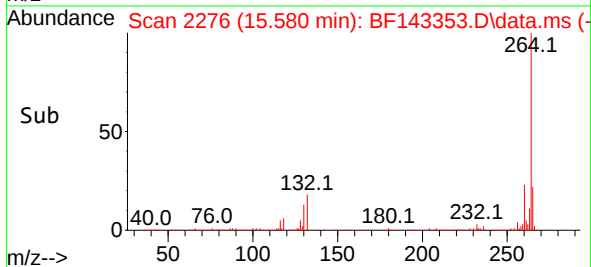
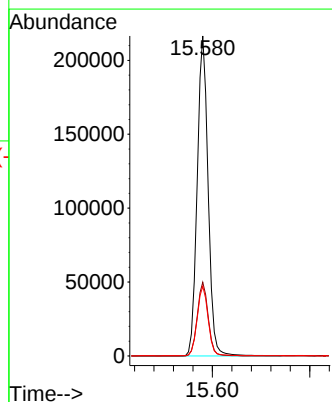
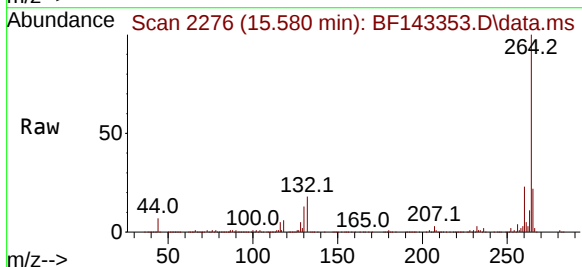
Instrument :
BNA_F
ClientSampleId :
PB169189BS

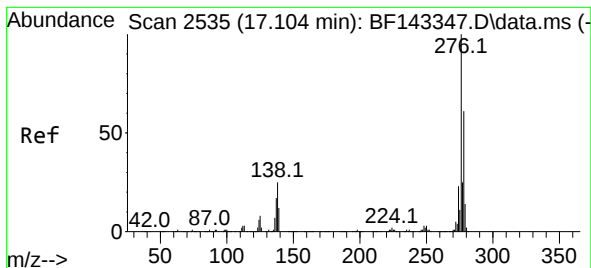
Tgt Ion:149 Resp: 718314
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 12.3 10.8 16.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:264 Resp: 338125
Ion Ratio Lower Upper
264 100
260 23.0 18.7 28.1
265 21.8 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 46.786 ng

RT: 17.098 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143353.D

Acq: 12 Aug 2025 14:53

Instrument :

BNA_F

ClientSampleId :

PB169189BS

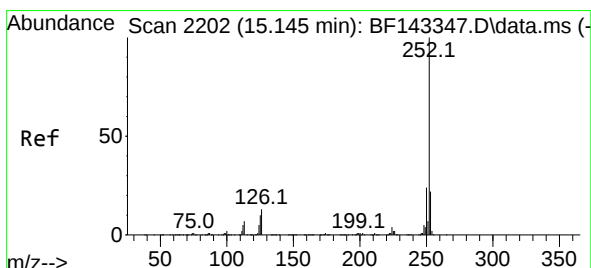
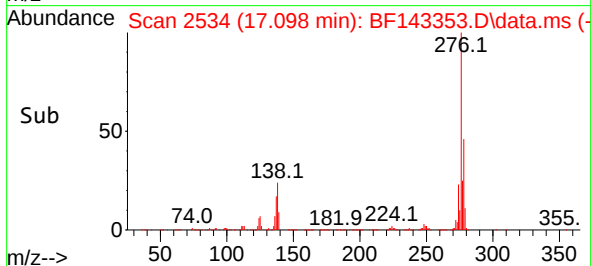
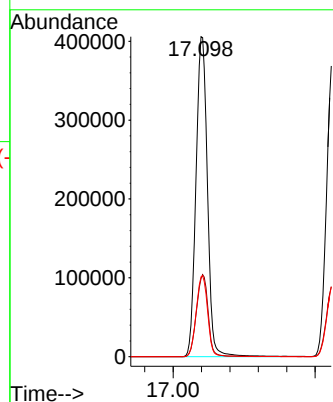
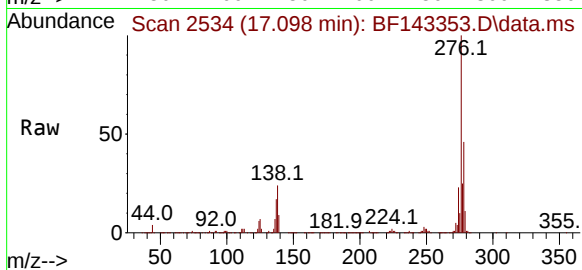
Tgt Ion:276 Resp: 1133370

Ion Ratio Lower Upper

276 100

138 26.2 21.1 31.7

277 25.4 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 48.629 ng

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: BF143353.D

Acq: 12 Aug 2025 14:53

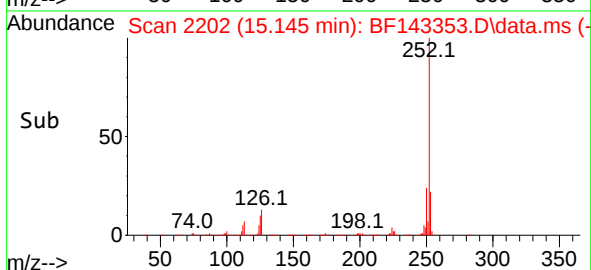
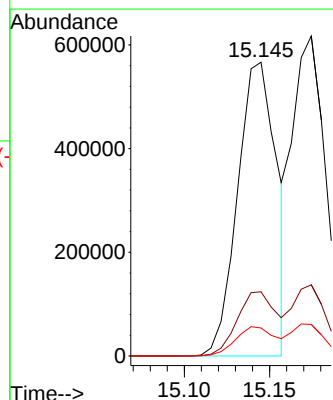
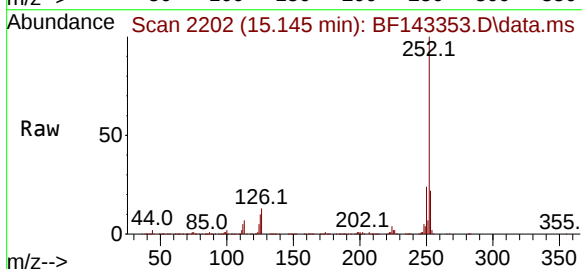
Tgt Ion:252 Resp: 899347

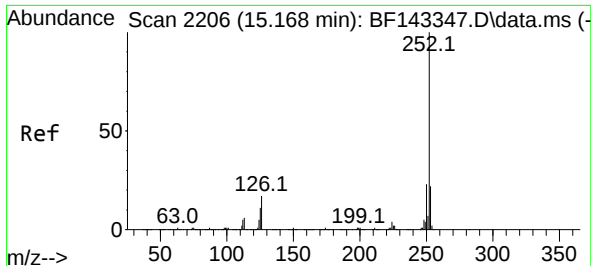
Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.8

125 9.5 7.8 11.6

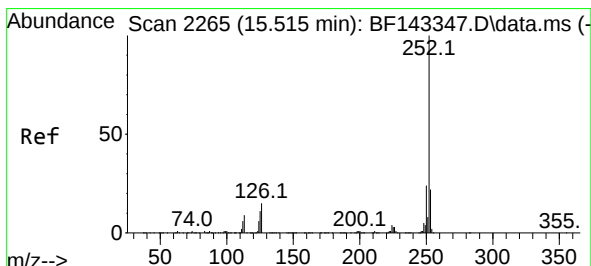
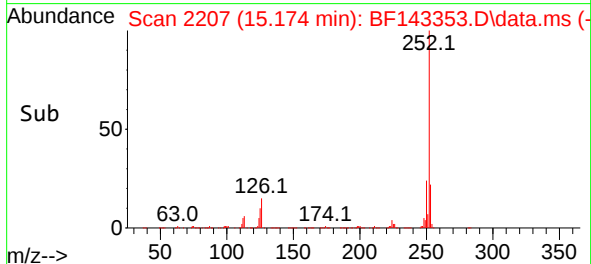
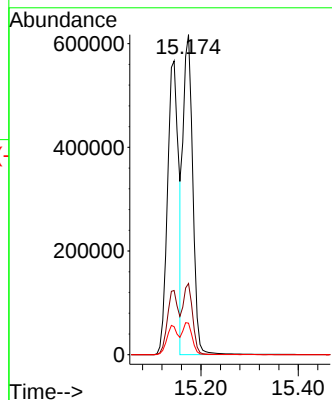
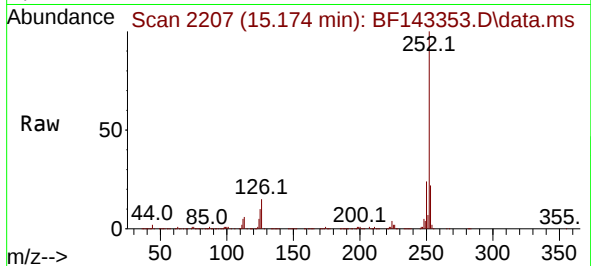




#89
Benzo(k)fluoranthene
Concen: 47.344 ng
RT: 15.174 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

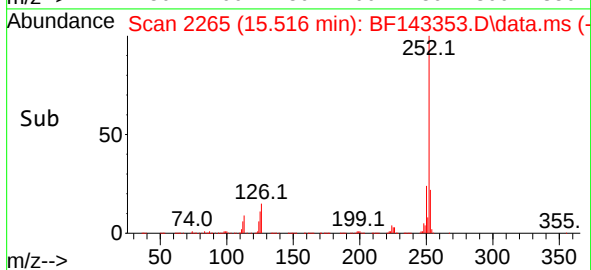
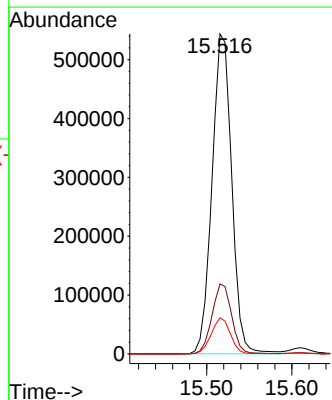
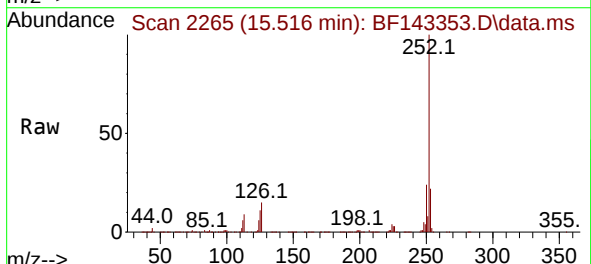
Instrument :
BNA_F
ClientSampleId :
PB169189BS

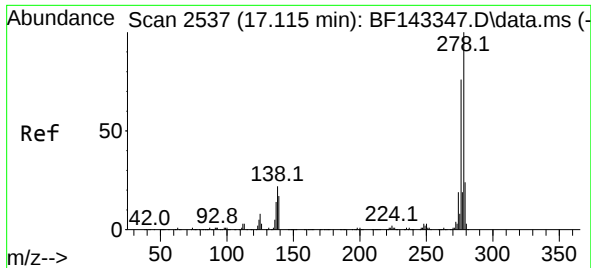
Tgt Ion:252 Resp: 850796
Ion Ratio Lower Upper
252 100
253 22.3 17.6 26.4
125 9.9 8.4 12.6



#90
Benzo(a)pyrene
Concen: 50.085 ng
RT: 15.516 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF143353.D
Acq: 12 Aug 2025 14:53

Tgt Ion:252 Resp: 872401
Ion Ratio Lower Upper
252 100
253 21.9 17.6 26.4
125 11.3 9.1 13.7

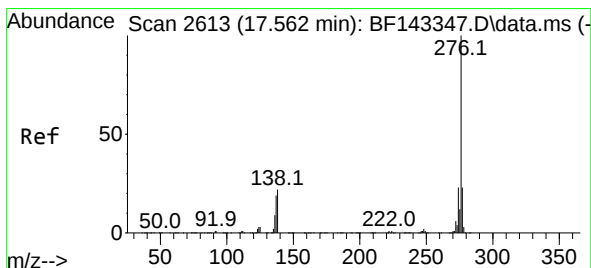
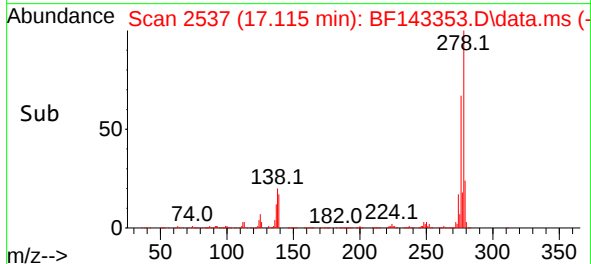
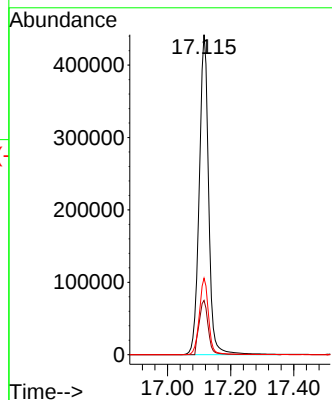
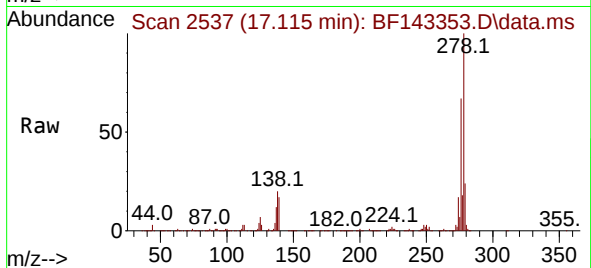




#91
 Dibenzo(a,h)anthracene
 Concen: 47.192 ng
 RT: 17.115 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF143353.D
 Acq: 12 Aug 2025 14:53

Instrument :
 BNA_F
 ClientSampleId :
 PB169189BS

Tgt Ion:278 Resp: 913300
 Ion Ratio Lower Upper
 278 100
 139 17.0 14.0 21.0
 279 23.9 19.4 29.0



#92
 Benzo(g,h,i)perylene
 Concen: 47.616 ng
 RT: 17.557 min Scan# 2612
 Delta R.T. -0.006 min
 Lab File: BF143353.D
 Acq: 12 Aug 2025 14:53

Tgt Ion:276 Resp: 928308
 Ion Ratio Lower Upper
 276 100
 277 24.1 18.7 28.1
 138 24.1 17.8 26.8

