

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121625\
 Data File : BF144496.D
 Acq On : 16 Dec 2025 15:48
 Operator : RC/JU
 Sample : Q3876-10
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B151(10-12)121225

Quant Time: Dec 16 16:08:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 12 15:57:03 2025
 Response via : Initial Calibration

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

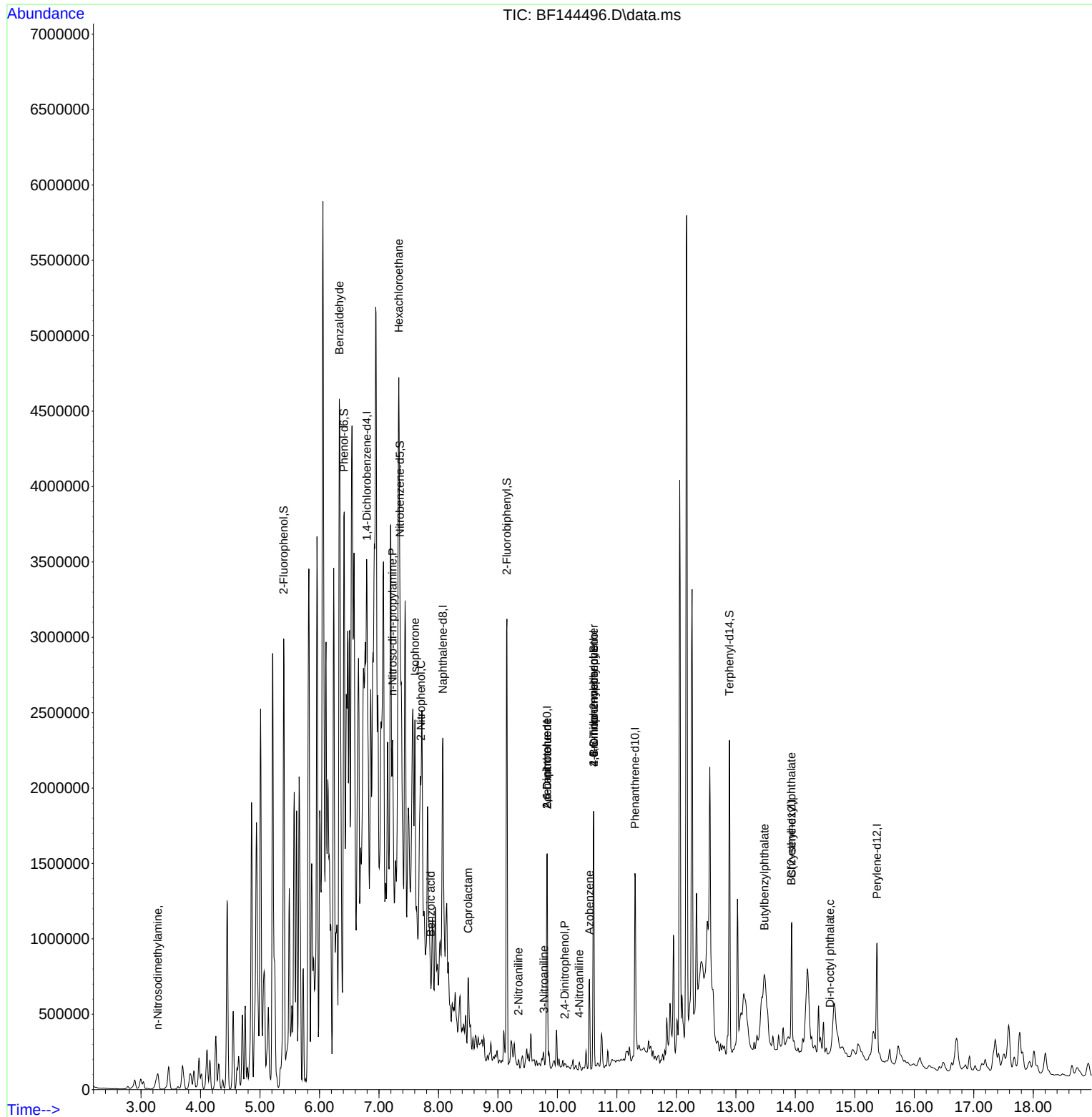
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	187187	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	774673	20.000	ng	0.00
39) Acenaphthene-d10	9.827	164	427053	20.000	ng	0.00
64) Phenanthrene-d10	11.304	188	632825	20.000	ng	0.00
76) Chrysene-d12	13.939	240	388799	20.000	ng	0.00
86) Perylene-d12	15.374	264	419267	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	970414	78.168	ng	0.00
7) Phenol-d6	6.410	99	1205963	77.880	ng	0.00
23) Nitrobenzene-d5	7.351	82	759149	61.324	ng	0.00
42) 2,4,6-Tribromophenol	10.610	330	285696	73.996	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1336766	48.020	ng	0.00
79) Terphenyl-d14	12.892	244	962968	39.103	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.281	42	17080	2.394	ng	# 1
9) Benzaldehyde	6.334	77	40947	3.378	ng	# 11
18) Hexachloroethane	7.334	117	128487	25.629	ng	# 1
19) n-Nitroso-di-n-propyla...	7.228	70	97431	9.961	ng	# 61
25) Isophorone	7.604	82	96418	3.451	ng	# 1
26) 2-Nitrophenol	7.704	139	12458	5.888	ng	# 1
32) Benzoic acid	7.869	122	8079	7.385	ng	# 22
35) Caprolactam	8.498	113	15543	4.249	ng	# 1
48) 2-Nitroaniline	9.345	65	300	3.671	ng	# 58
51) 2,6-Dinitrotoluene	9.827	165	57826	13.957	ng	# 25
53) 3-Nitroaniline	9.775	138	412	3.065	ng	# 14
54) 2,4-Dinitrophenol	10.122	184	377	6.926	ng	# 59
57) 2,4-Dinitrotoluene	9.827	165	57826	11.248	ng	# 22
62) 4-Nitroaniline	10.369	138	126	2.532	ng	# 37
63) Azobenzene	10.539	77	147768	5.114	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.610	198	1034	7.138	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	18529	2.508	ng	# 1
80) Butylbenzylphthalate	13.480	149	45324	6.842	ng	# 67
84) Bis(2-ethylhexyl)phtha...	13.933	149	3064	3.116	ng	# 98
85) Di-n-octyl phthalate	14.580	149	1090	6.547	ng	# 69

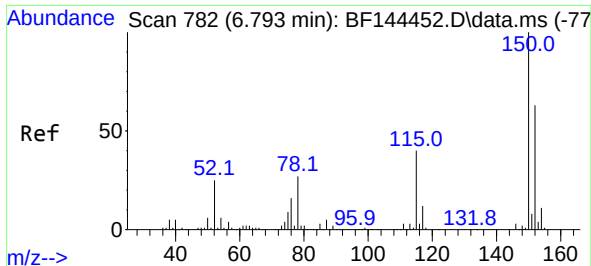
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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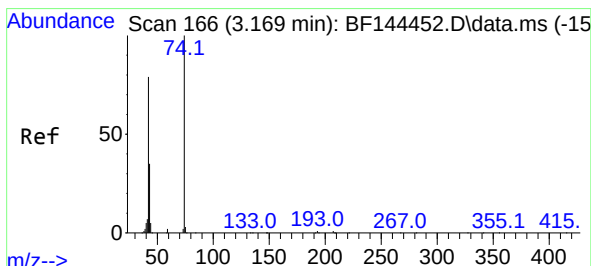
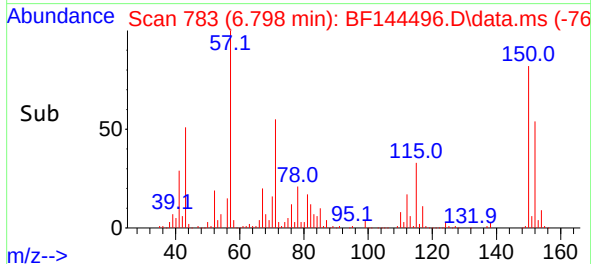
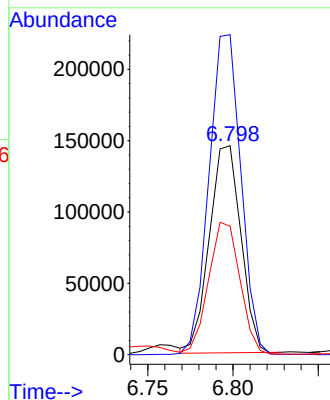
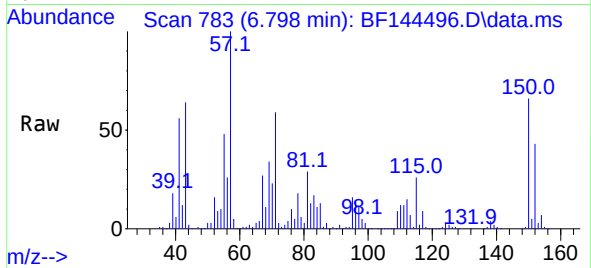




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 71
Delta R.T. 0.005 min
Lab File: BF144496.D
Acq: 16 Dec 2025 15:48

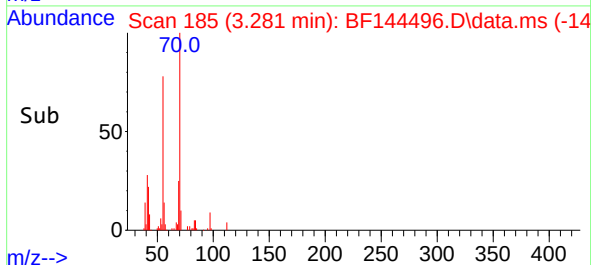
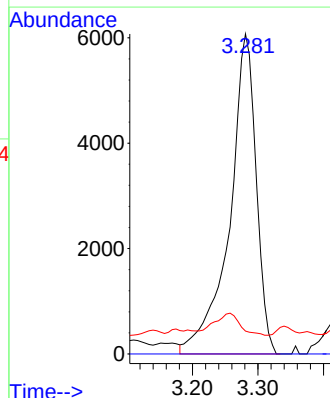
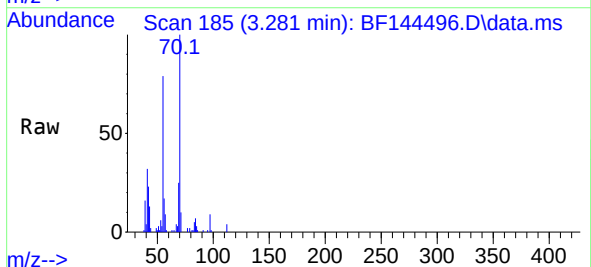
Instrument :
BNA_F
ClientSampleId :
B151(10-12)121225

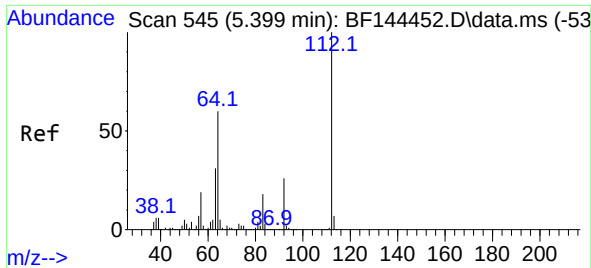
Tgt Ion:152 Resp: 187187
Ion Ratio Lower Upper
152 100
150 153.2 127.4 191.2
115 61.5 51.4 77.0



#4
n-Nitrosodimethylamine
Concen: 2.394 ng
RT: 3.281 min Scan# 185
Delta R.T. 0.112 min
Lab File: BF144496.D
Acq: 16 Dec 2025 15:48

Tgt Ion: 42 Resp: 17080
Ion Ratio Lower Upper
42 100
74 0.0 101.8 152.8#
44 7.1 5.7 8.5

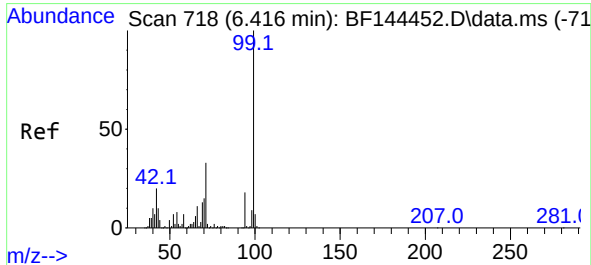
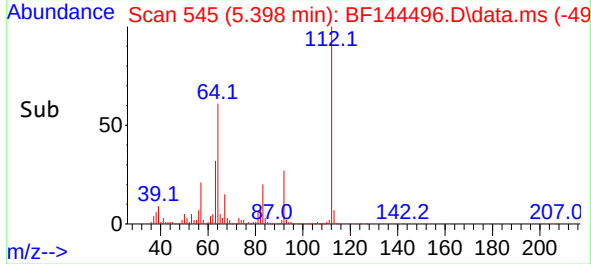
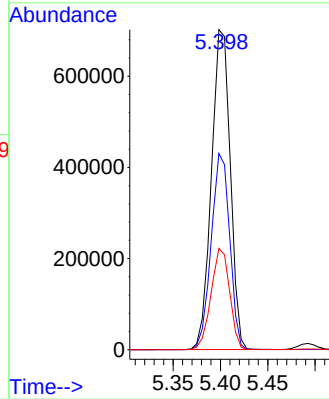
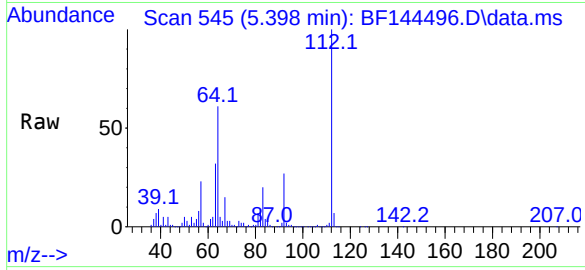




#5
2-Fluorophenol
Concen: 78.168 ng
RT: 5.398 min Scan# 54
Delta R.T. -0.000 min
Lab File: BF144496.D
Acq: 16 Dec 2025 15:48

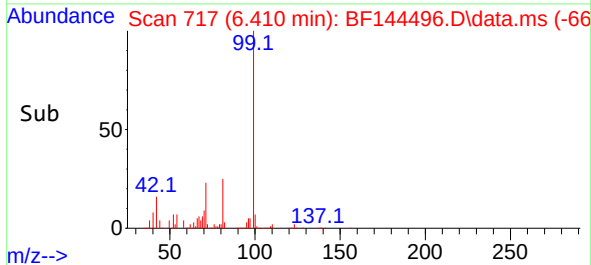
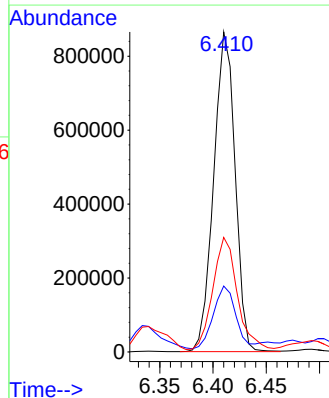
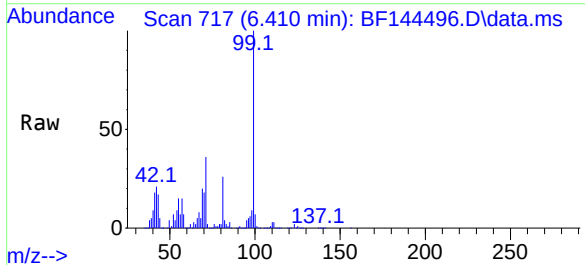
Instrument :
BNA_F
ClientSampleId :
B151(10-12)121225

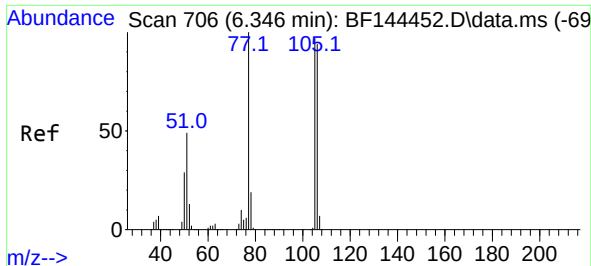
Tgt Ion:112 Resp: 970414
Ion Ratio Lower Upper
112 100
64 61.3 47.8 71.6
63 31.7 24.6 37.0



#7
Phenol-d6
Concen: 77.880 ng
RT: 6.410 min Scan# 717
Delta R.T. -0.006 min
Lab File: BF144496.D
Acq: 16 Dec 2025 15:48

Tgt Ion: 99 Resp: 1205963
Ion Ratio Lower Upper
99 100
42 20.6 15.7 23.5
71 35.8 26.4 39.6

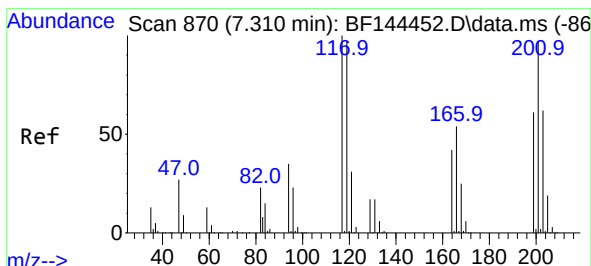
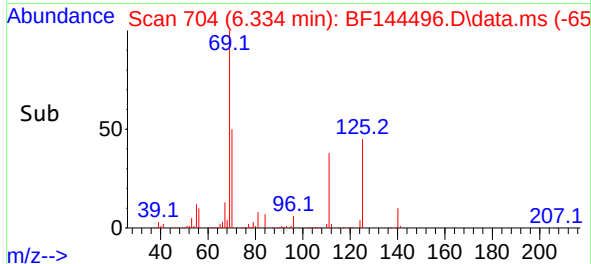
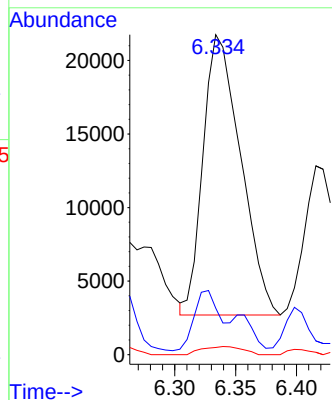
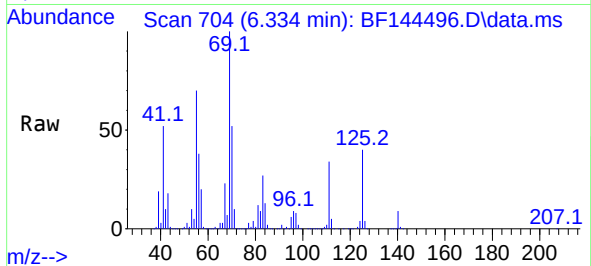




#9
Benzaldehyde
Concen: 3.378 ng
RT: 6.334 min Scan# 706
Delta R.T. -0.012 min
Lab File: BF144496.D
Acq: 16 Dec 2025 15:48

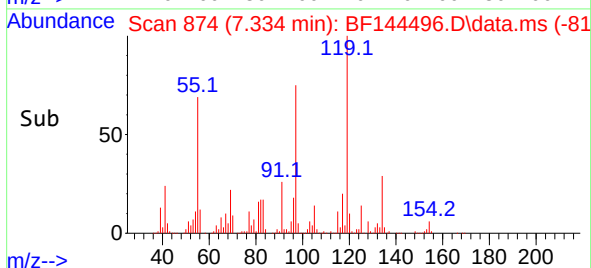
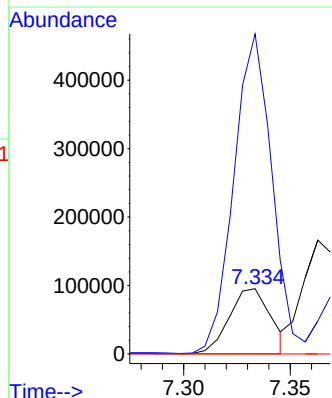
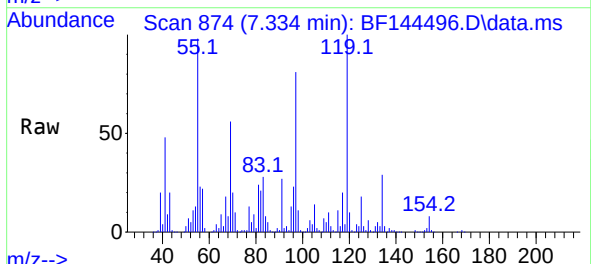
Instrument :
BNA_F
ClientSampleId :
B151(10-12)121225

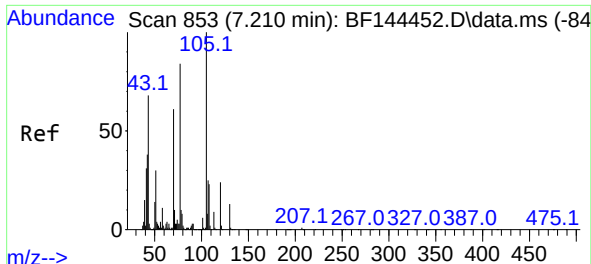
Tgt Ion: 77 Resp: 40947
Ion Ratio Lower Upper
77 100
105 14.6 77.0 117.0#
106 2.2 74.1 114.1#



#18
Hexachloroethane
Concen: 25.629 ng
RT: 7.334 min Scan# 874
Delta R.T. 0.023 min
Lab File: BF144496.D
Acq: 16 Dec 2025 15:48

Tgt Ion: 117 Resp: 128487
Ion Ratio Lower Upper
117 100
119 489.5 77.5 116.3#
201 0.0 77.3 115.9#



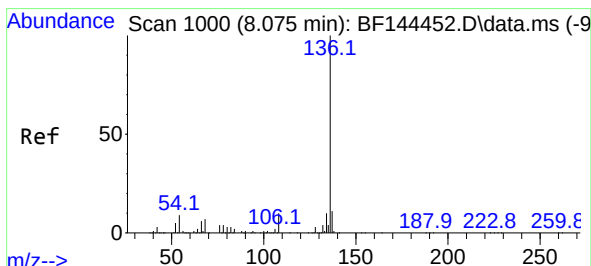
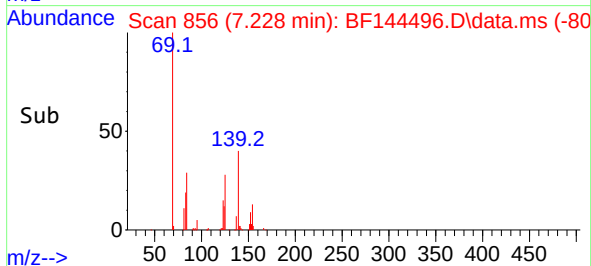
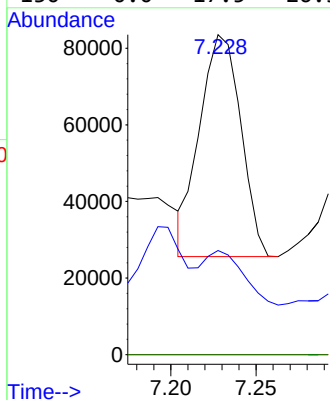
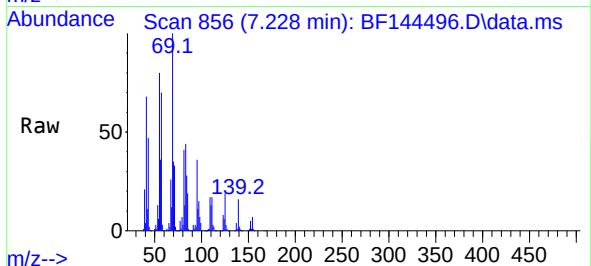


#19
n-Nitroso-di-n-propylamine
Concen: 9.961 ng
RT: 7.228 min Scan# 853
Delta R.T. 0.017 min
Lab File: BF144496.D
Acq: 16 Dec 2025 15:48

Instrument :
BNA_F
ClientSampleId :
B151(10-12)121225

Tgt Ion: 70 Resp: 97431

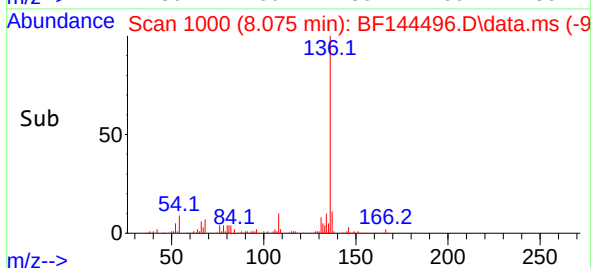
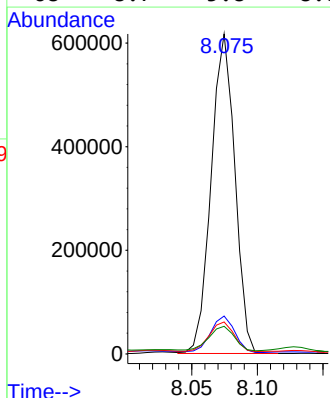
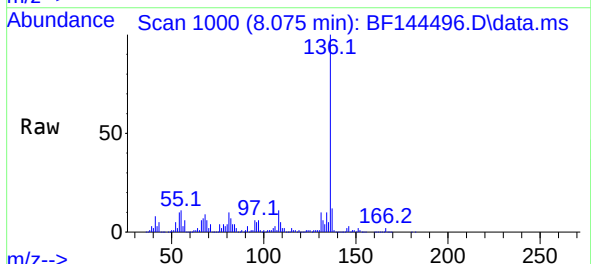
Ion	Ratio	Lower	Upper
70	100		
42	32.5	49.4	74.0#
101	0.0	7.8	11.6#
130	0.0	17.5	26.3#

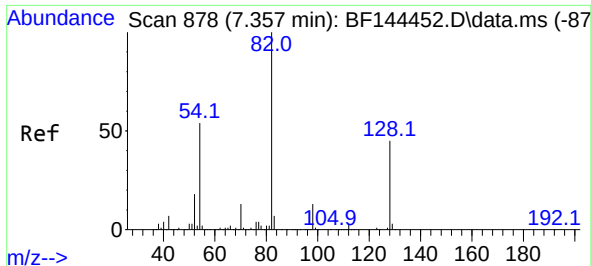


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1000
Delta R.T. -0.000 min
Lab File: BF144496.D
Acq: 16 Dec 2025 15:48

Tgt Ion: 136 Resp: 774673

Ion	Ratio	Lower	Upper
136	100		
137	11.9	8.8	13.2
54	10.0	7.5	11.3
68	8.7	5.8	8.8

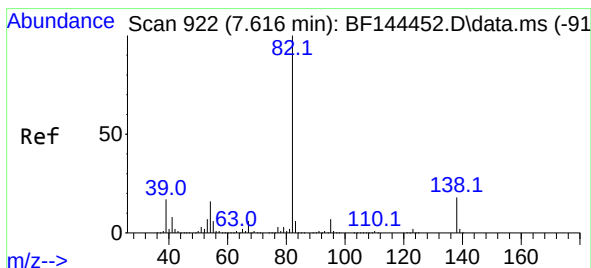
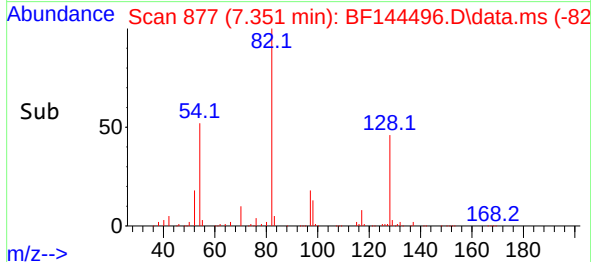
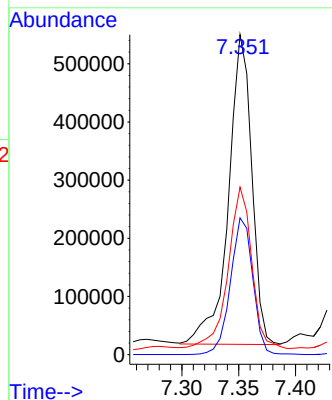
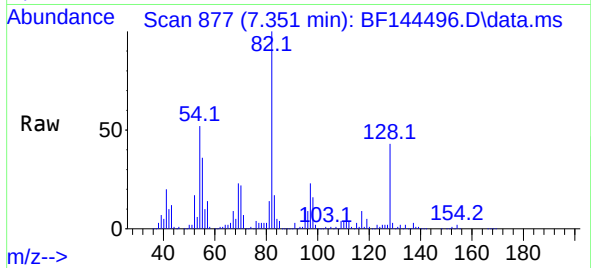




#23
Nitrobenzene-d5
Concen: 61.324 ng
RT: 7.351 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF144496.D
Acq: 16 Dec 2025 15:48

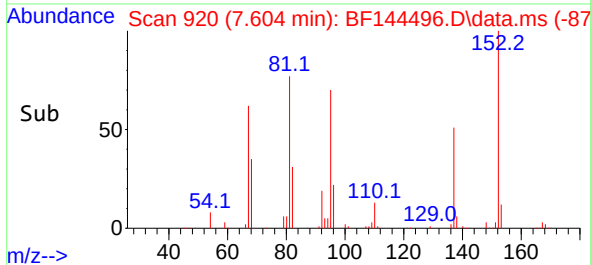
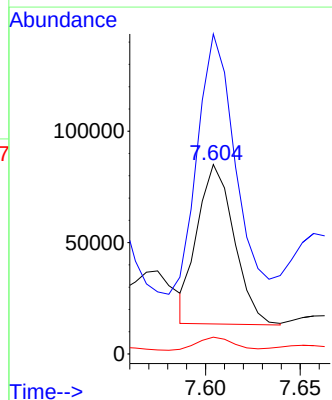
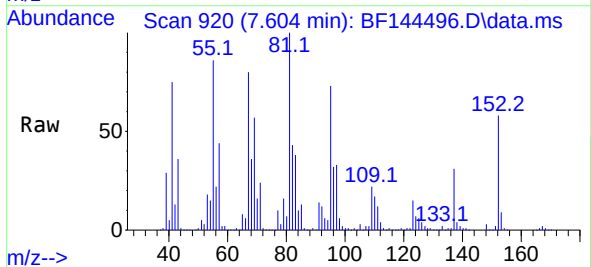
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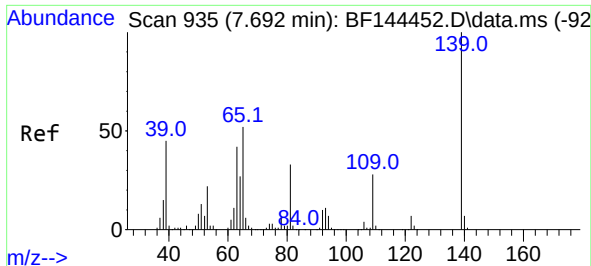
Tgt Ion: 82 Resp: 759149
Ion Ratio Lower Upper
82 100
128 42.8 35.5 53.3
54 52.3 43.3 64.9



#25
Isophorone
Concen: 3.451 ng
RT: 7.604 min Scan# 920
Delta R.T. -0.012 min
Lab File: BF144496.D
Acq: 16 Dec 2025 15:48

Tgt Ion: 82 Resp: 96418
Ion Ratio Lower Upper
82 100
95 168.9 5.4 8.2#
138 8.9 14.4 21.6#

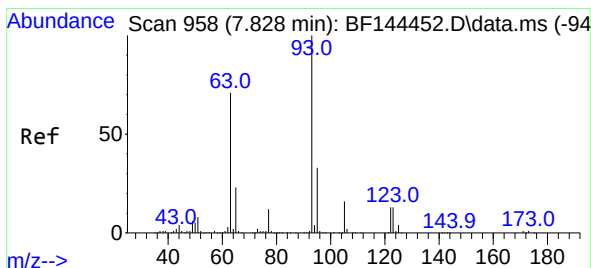
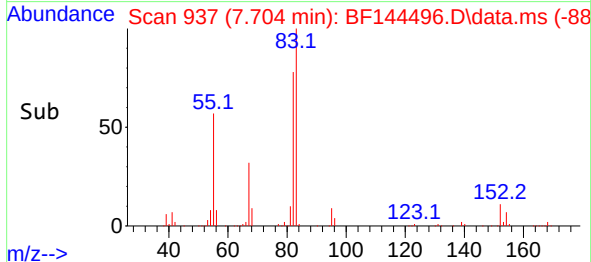
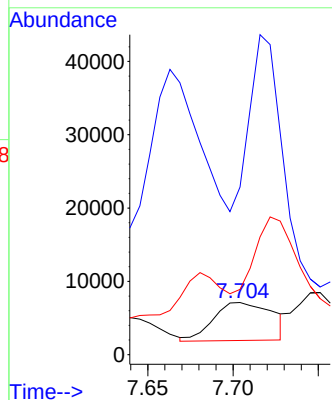
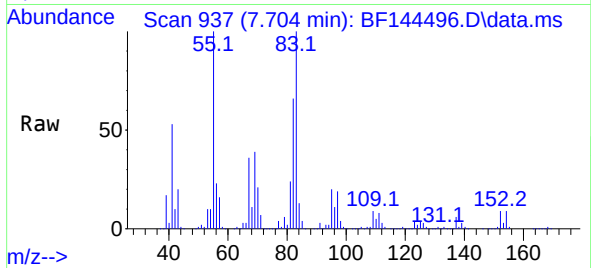




#26
2-Nitrophenol
Concen: 5.888 ng
RT: 7.704 min Scan# 91
Delta R.T. 0.012 min
Lab File: BF144496.D
Acq: 16 Dec 2025 15:48

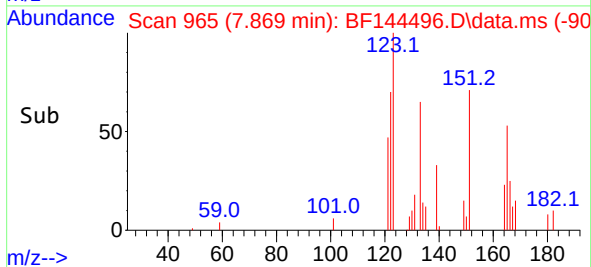
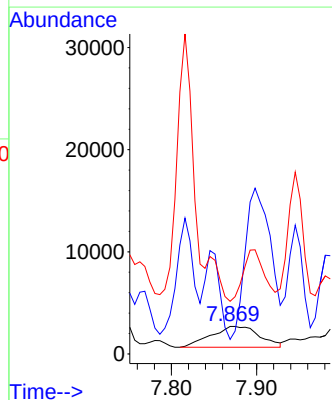
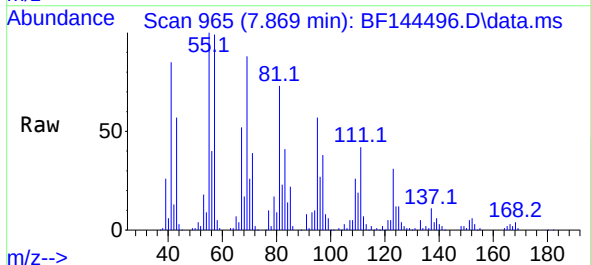
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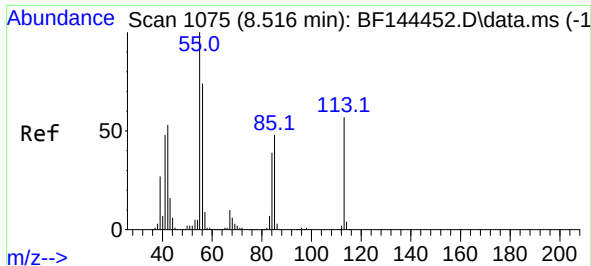
Tgt Ion:139 Resp: 12458
Ion Ratio Lower Upper
139 100
109 320.9 22.1 33.1#
65 124.9 41.5 62.3#



#32
Benzoic acid
Concen: 7.385 ng
RT: 7.869 min Scan# 965
Delta R.T. 0.041 min
Lab File: BF144496.D
Acq: 16 Dec 2025 15:48

Tgt Ion:122 Resp: 8079
Ion Ratio Lower Upper
122 100
105 52.7 103.2 143.2#
77 191.1 75.1 115.1#

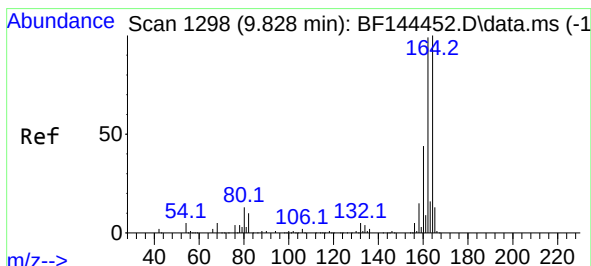
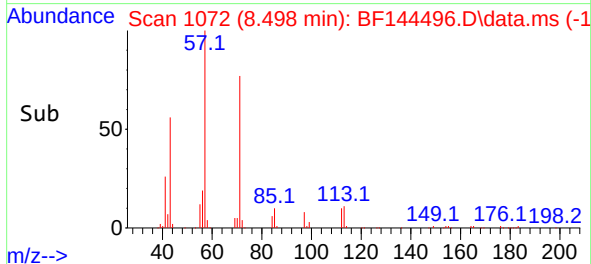
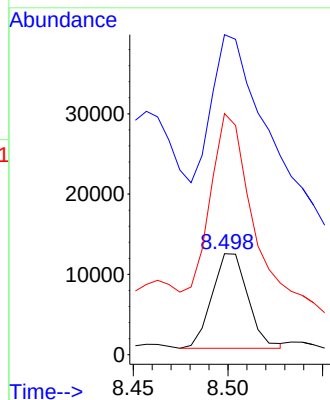
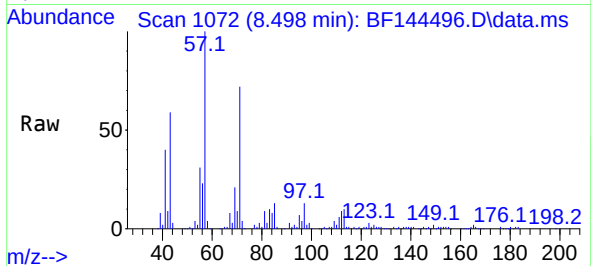




#35
Caprolactam
Concen: 4.249 ng
RT: 8.498 min Scan# 1072
Delta R.T. -0.018 min
Lab File: BF144496.D
Acq: 16 Dec 2025 15:48

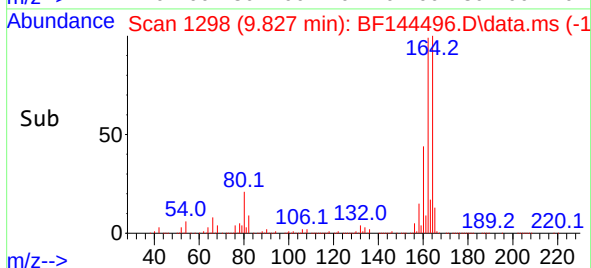
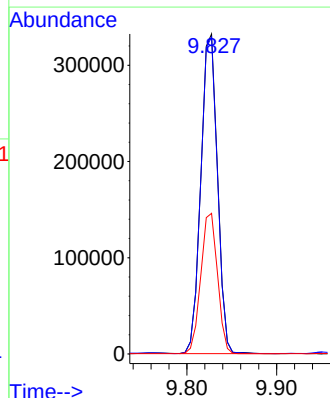
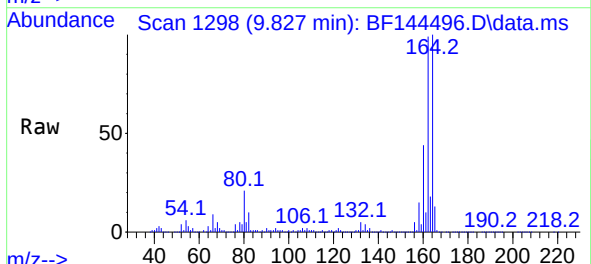
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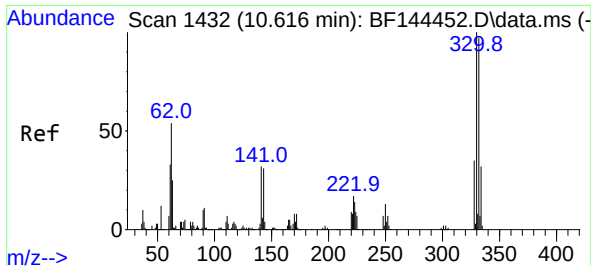
Tgt Ion:113 Resp: 15543
Ion Ratio Lower Upper
113 100
55 317.0 154.5 194.5#
56 238.8 109.8 149.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 1298
Delta R.T. -0.001 min
Lab File: BF144496.D
Acq: 16 Dec 2025 15:48

Tgt Ion:164 Resp: 427053
Ion Ratio Lower Upper
164 100
162 99.0 79.2 118.8
160 44.0 35.3 52.9

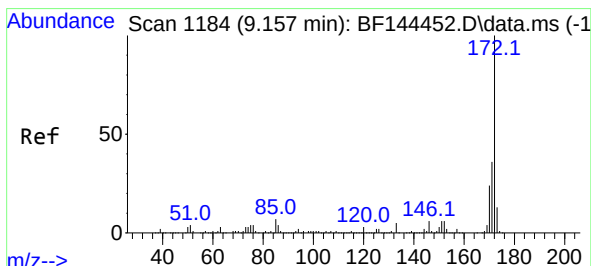
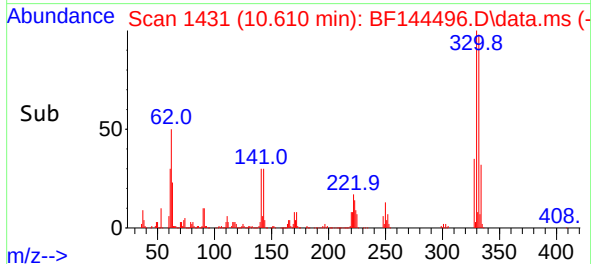
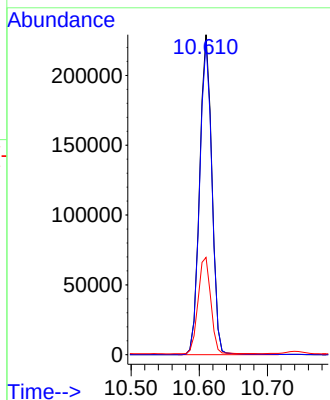
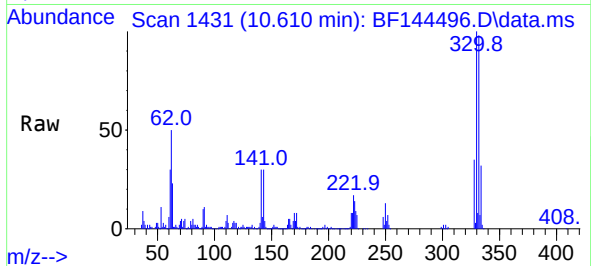




#42
2,4,6-Tribromophenol
Concen: 73.996 ng
RT: 10.610 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF144496.D
Acq: 16 Dec 2025 15:48

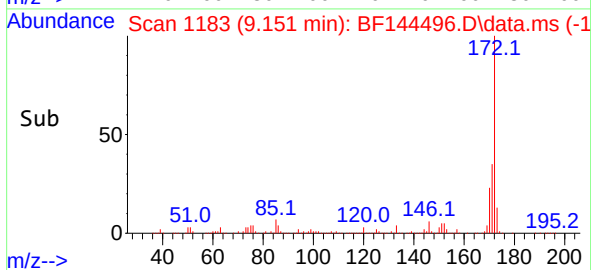
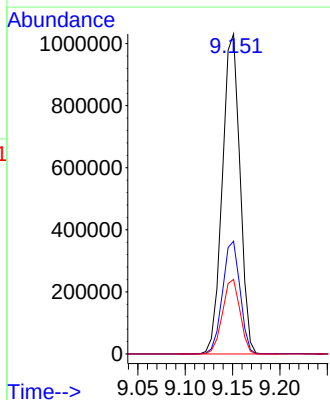
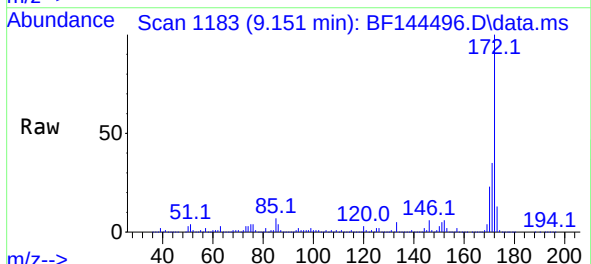
Instrument :
BNA_F
ClientSampleId :
B151(10-12)121225

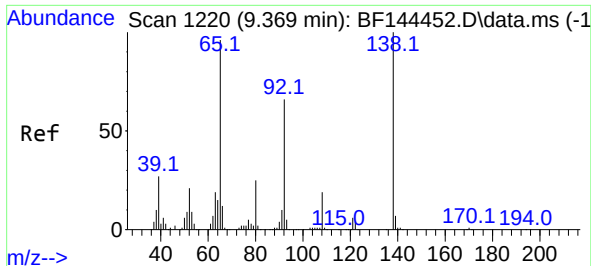
Tgt Ion:330 Resp: 285696
Ion Ratio Lower Upper
330 100
332 97.9 77.5 116.3
141 31.6 26.2 39.2



#45
2-Fluorobiphenyl
Concen: 48.020 ng
RT: 9.151 min Scan# 1183
Delta R.T. -0.006 min
Lab File: BF144496.D
Acq: 16 Dec 2025 15:48

Tgt Ion:172 Resp: 1336766
Ion Ratio Lower Upper
172 100
171 35.3 28.7 43.1
170 23.3 19.3 28.9

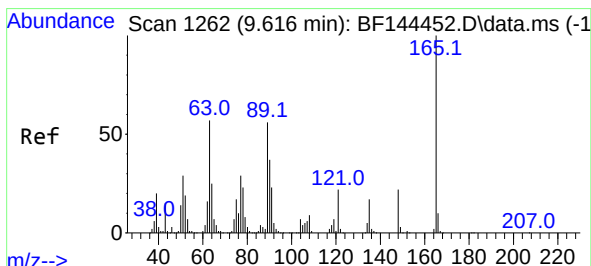
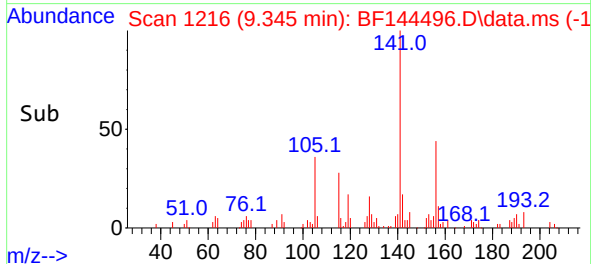
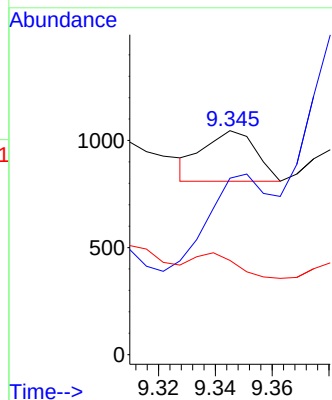
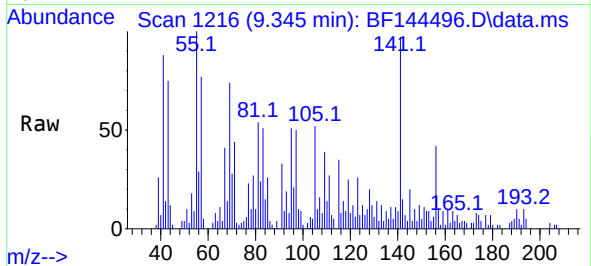




#48
2-Nitroaniline
Concen: 3.671 ng
RT: 9.345 min Scan# 11
Delta R.T. -0.024 min
Lab File: BF144496.D
Acq: 16 Dec 2025 15:48

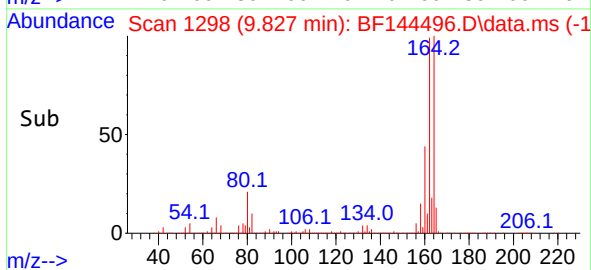
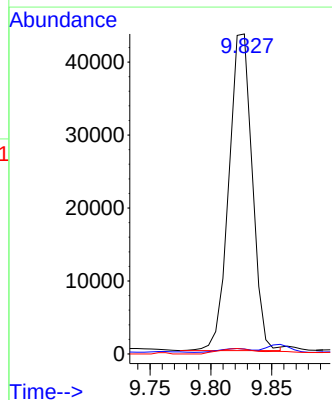
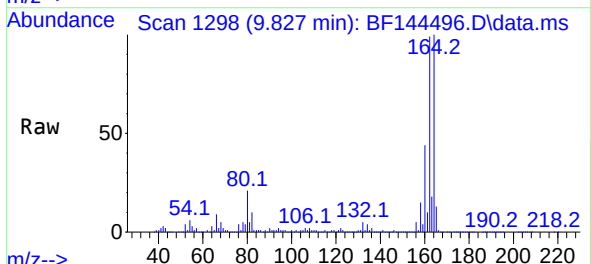
Instrument :
BNA_F
ClientSampleId :
B151(10-12)121225

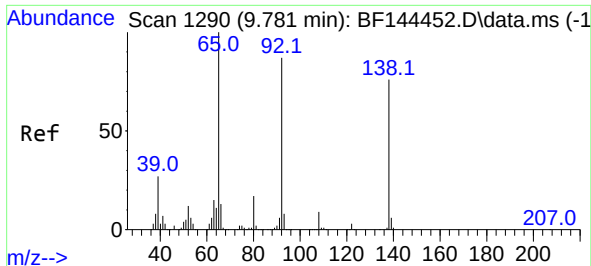
Tgt Ion: 65 Resp: 300
Ion Ratio Lower Upper
65 100
92 78.8 55.0 82.4
138 42.1 83.4 125.2#



#51
2,6-Dinitrotoluene
Concen: 13.957 ng
RT: 9.827 min Scan# 1298
Delta R.T. 0.211 min
Lab File: BF144496.D
Acq: 16 Dec 2025 15:48

Tgt Ion:165 Resp: 57826
Ion Ratio Lower Upper
165 100
63 1.5 45.9 68.9#
89 1.5 44.6 67.0#

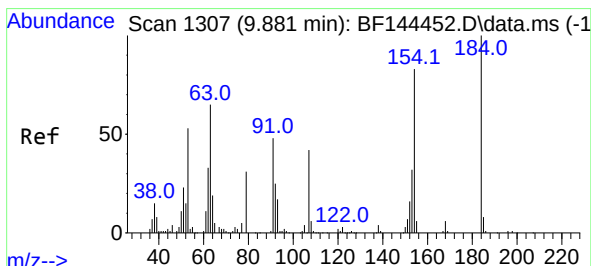
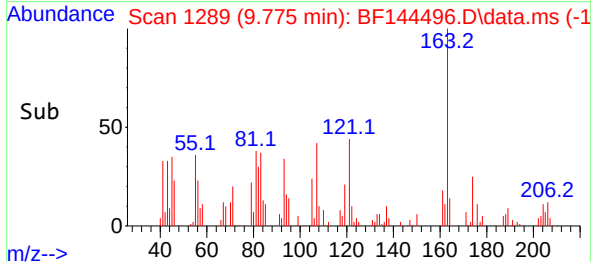
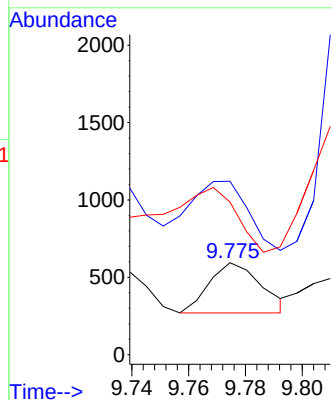
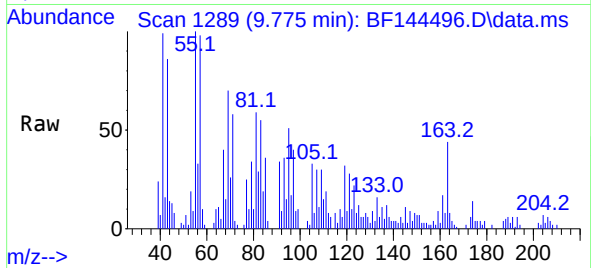




#53
3-Nitroaniline
Concen: 3.065 ng
RT: 9.775 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144496.D
Acq: 16 Dec 2025 15:48

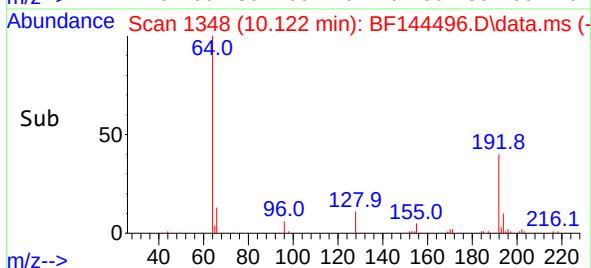
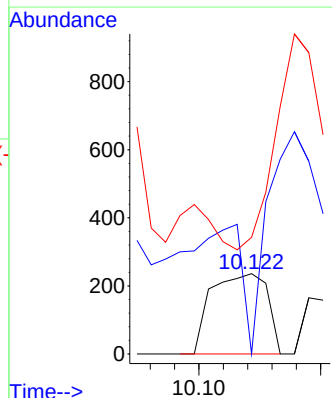
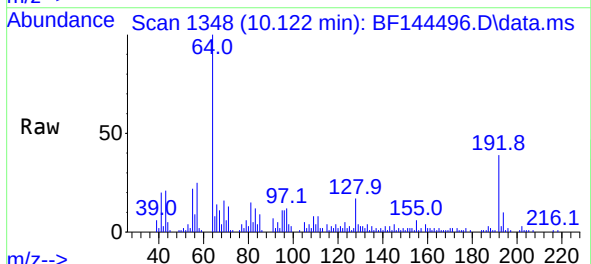
Instrument :
BNA_F
ClientSampleId :
B151(10-12)121225

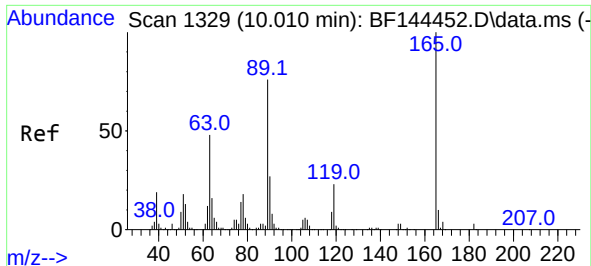
Tgt Ion:138 Resp: 412
Ion Ratio Lower Upper
138 100
108 188.4 9.7 14.5#
92 165.7 91.5 137.3#



#54
2,4-Dinitrophenol
Concen: 6.926 ng
RT: 10.122 min Scan# 1348
Delta R.T. 0.241 min
Lab File: BF144496.D
Acq: 16 Dec 2025 15:48

Tgt Ion:184 Resp: 377
Ion Ratio Lower Upper
184 100
63 0.0 60.6 91.0#
154 145.3 137.8 206.8

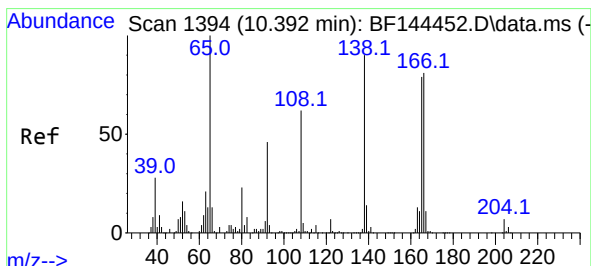
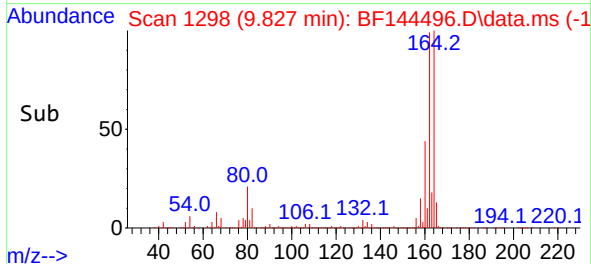
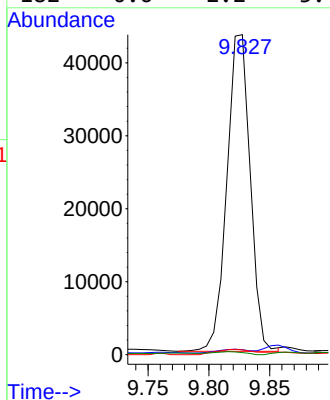
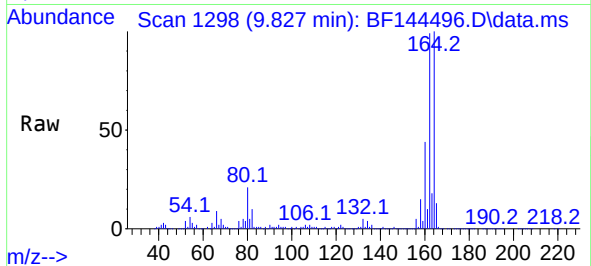




#57
2,4-Dinitrotoluene
Concen: 11.248 ng
RT: 9.827 min Scan# 11
Delta R.T. -0.183 min
Lab File: BF144496.D
Acq: 16 Dec 2025 15:48

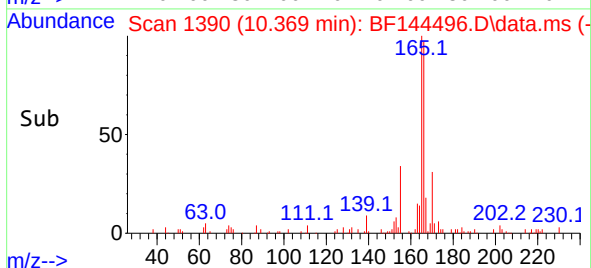
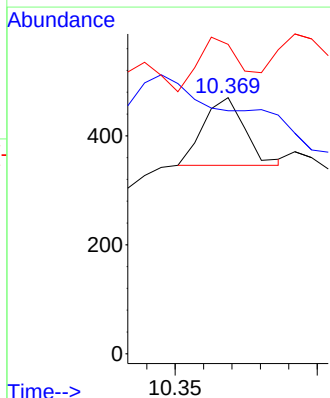
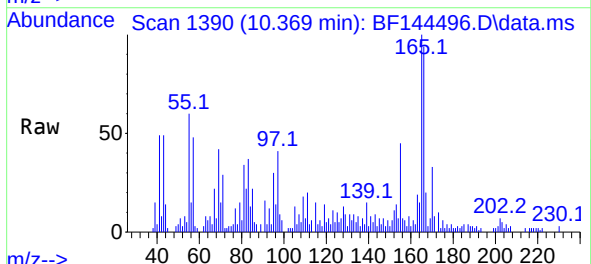
Instrument :
BNA_F
ClientSampleId :
B151(10-12)121225

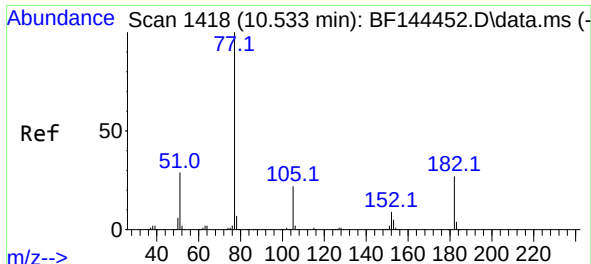
Tgt Ion:165 Resp: 57826
Ion Ratio Lower Upper
165 100
63 1.5 38.2 57.4#
89 1.5 61.2 91.8#
182 0.6 2.2 3.4#



#62
4-Nitroaniline
Concen: 2.532 ng
RT: 10.369 min Scan# 1390
Delta R.T. -0.023 min
Lab File: BF144496.D
Acq: 16 Dec 2025 15:48

Tgt Ion:138 Resp: 126
Ion Ratio Lower Upper
138 100
92 94.9 30.8 70.8#
108 120.9 49.2 89.2#

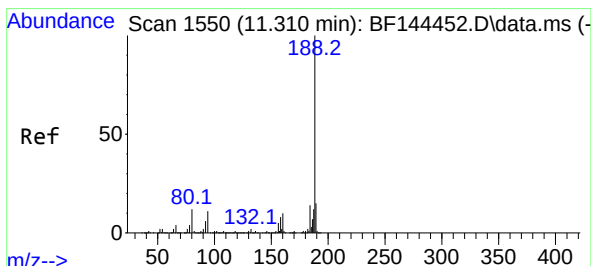
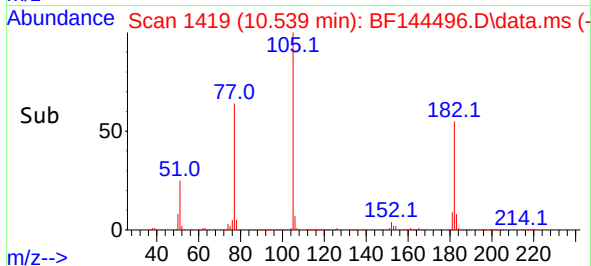
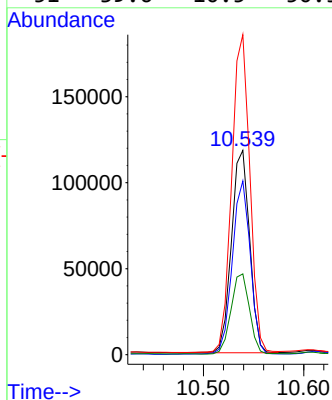
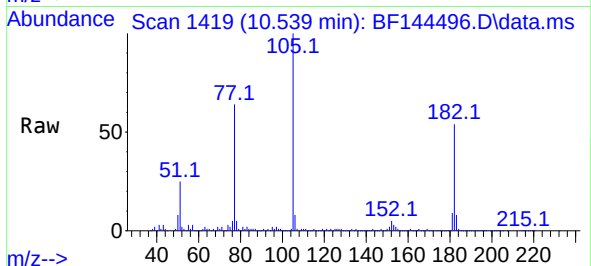




#63
Azobenzene
Concen: 5.114 ng
RT: 10.539 min Scan# 1418
Delta R.T. 0.006 min
Lab File: BF144496.D
Acq: 16 Dec 2025 15:48

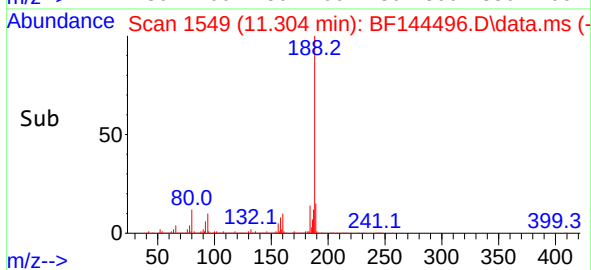
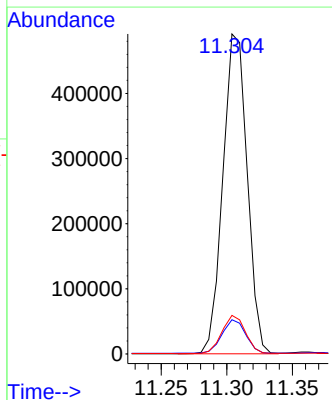
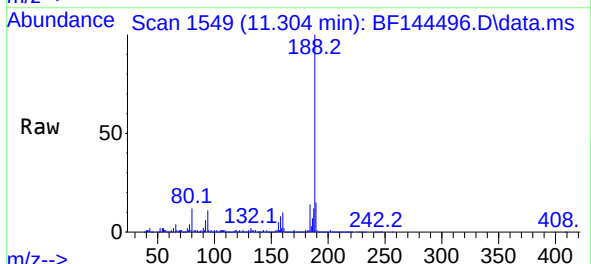
Instrument :
BNA_F
ClientSampleId :
B151(10-12)121225

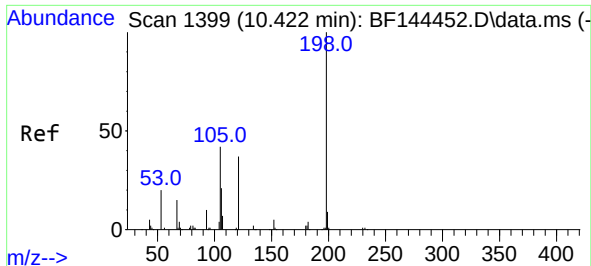
Tgt Ion: 77 Resp: 147768
Ion Ratio Lower Upper
77 100
182 85.1 6.1 46.1#
105 156.7 1.5 41.5#
51 39.6 10.5 50.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BF144496.D
Acq: 16 Dec 2025 15:48

Tgt Ion: 188 Resp: 632825
Ion Ratio Lower Upper
188 100
94 10.7 9.0 13.6
80 12.0 9.8 14.8

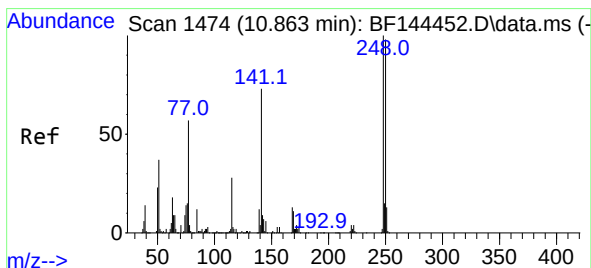
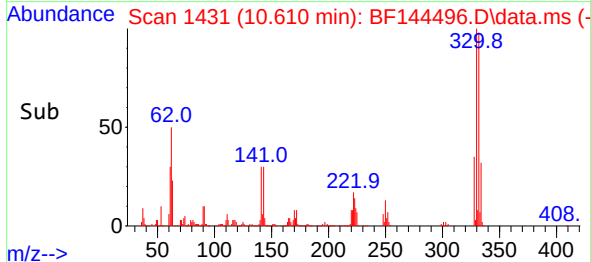
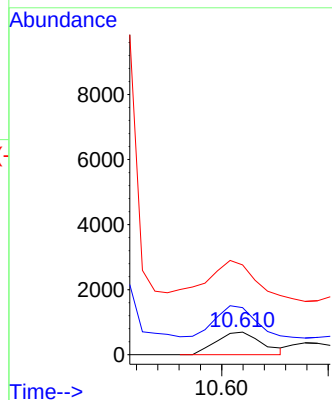
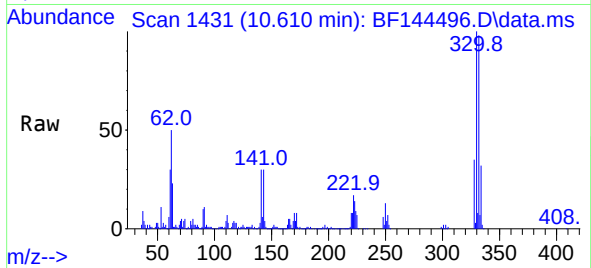




#65
4,6-Dinitro-2-methylphenol
Concen: 7.138 ng
RT: 10.610 min Scan# 1431
Delta R.T. 0.188 min
Lab File: BF144496.D
Acq: 16 Dec 2025 15:48

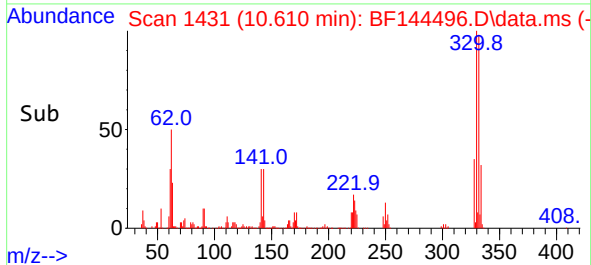
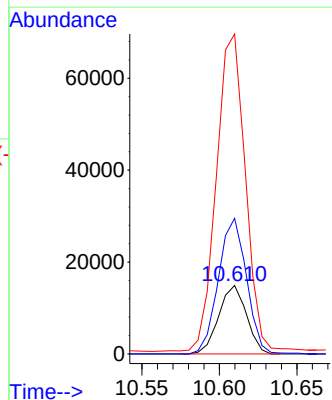
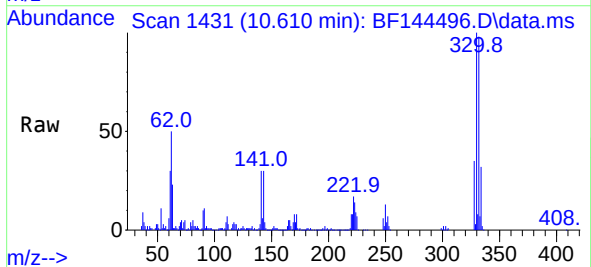
Instrument :
BNA_F
ClientSampleId :
B151(10-12)121225

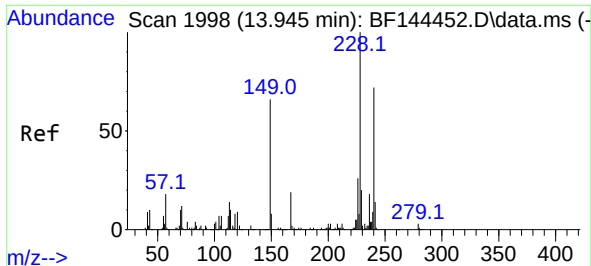
Tgt Ion:198 Resp: 1034
Ion Ratio Lower Upper
198 100
51 208.3 25.5 65.5#
105 396.8 23.4 63.4#



#67
4-Bromophenyl-phenylether
Concen: 2.508 ng
RT: 10.610 min Scan# 1431
Delta R.T. -0.253 min
Lab File: BF144496.D
Acq: 16 Dec 2025 15:48

Tgt Ion:248 Resp: 18529
Ion Ratio Lower Upper
248 100
250 198.4 78.2 117.4#
141 467.7 58.5 87.7#

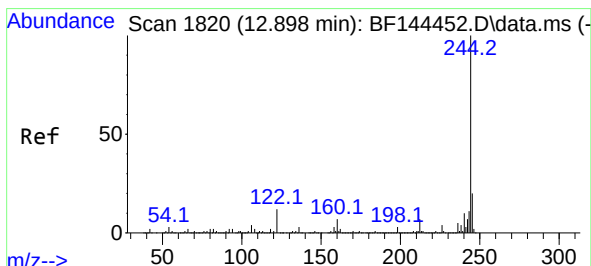
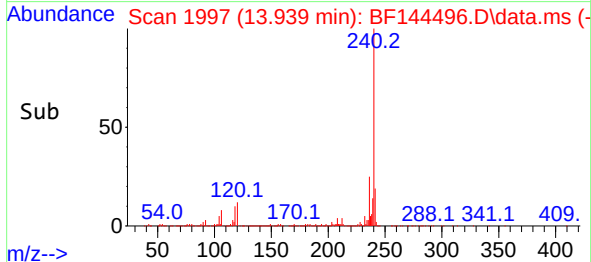
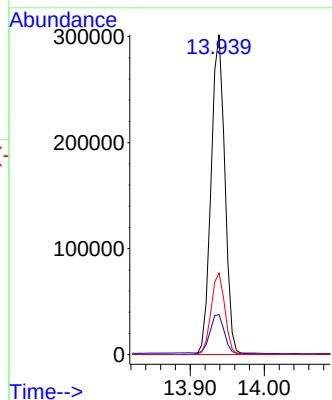
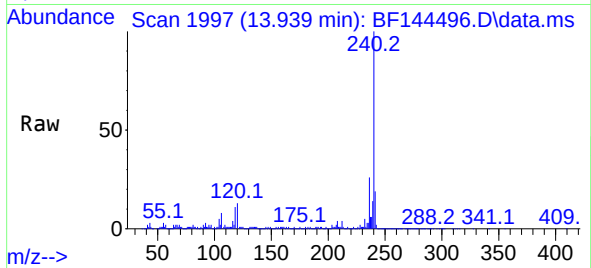




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144496.D
Acq: 16 Dec 2025 15:48

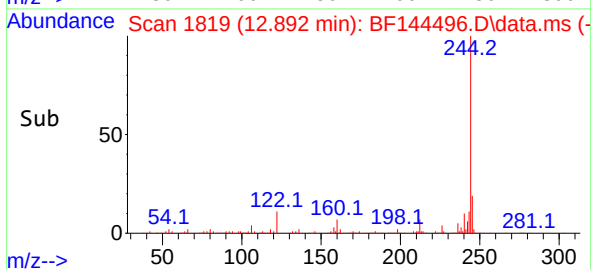
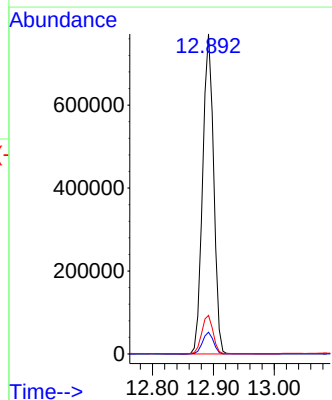
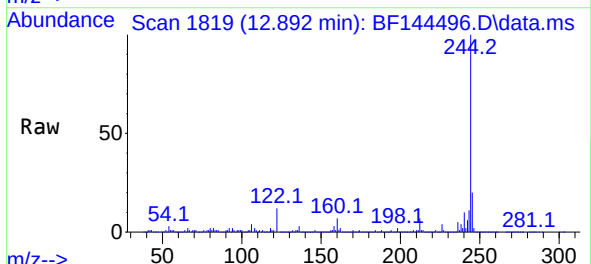
Instrument :
BNA_F
ClientSampleId :
B151(10-12)121225

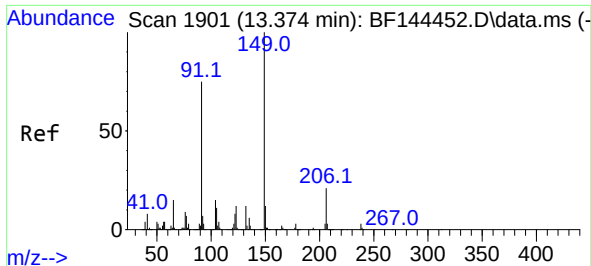
Tgt Ion:240 Resp: 388799
Ion Ratio Lower Upper
240 100
120 12.5 10.3 15.5
236 25.5 20.2 30.4



#79
Terphenyl-d14
Concen: 39.103 ng
RT: 12.892 min Scan# 1819
Delta R.T. -0.006 min
Lab File: BF144496.D
Acq: 16 Dec 2025 15:48

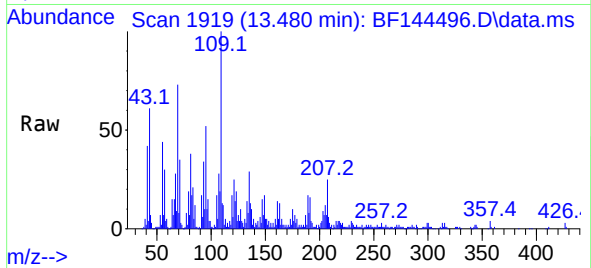
Tgt Ion:244 Resp: 962968
Ion Ratio Lower Upper
244 100
212 6.8 5.7 8.5
122 12.1 9.9 14.9



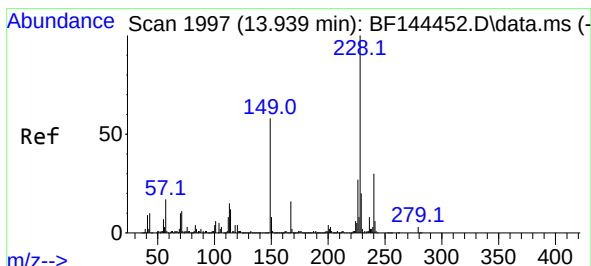
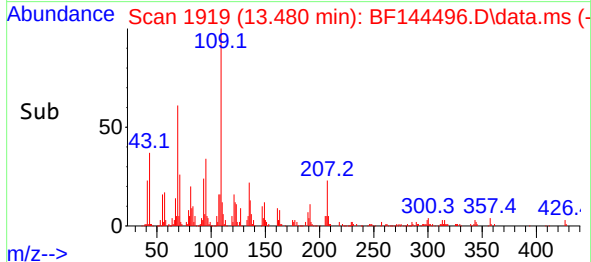
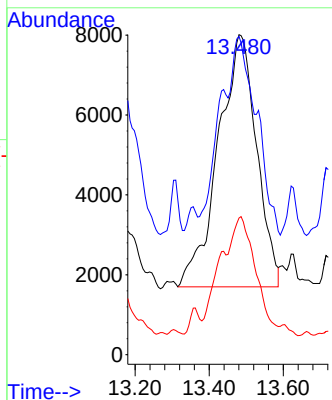


#80
Butylbenzylphthalate
Concen: 6.842 ng
RT: 13.480 min Scan# 1919
Delta R.T. 0.106 min
Lab File: BF144496.D
Acq: 16 Dec 2025 15:48

Instrument :
BNA_F
ClientSampleId :
B151(10-12)121225

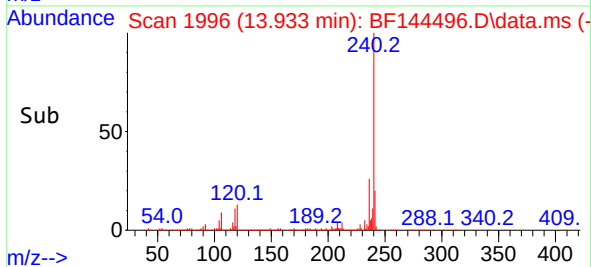
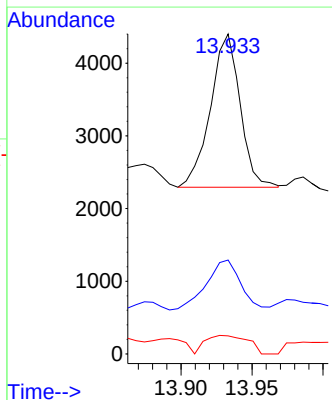
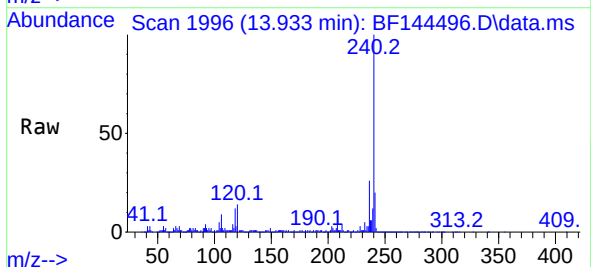


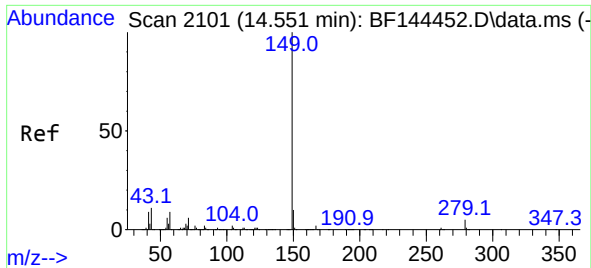
Tgt Ion:149 Resp: 45324
Ion Ratio Lower Upper
149 100
91 99.5 59.8 89.8#
206 42.7 17.0 25.6#



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.116 ng
RT: 13.933 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BF144496.D
Acq: 16 Dec 2025 15:48

Tgt Ion:149 Resp: 3064
Ion Ratio Lower Upper
149 100
167 29.3 22.6 34.0
279 5.7 3.7 5.5#

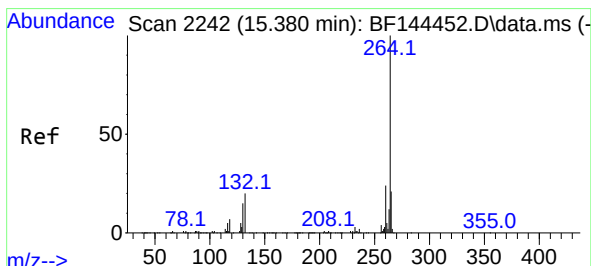
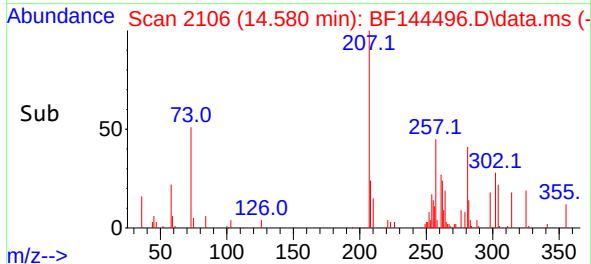
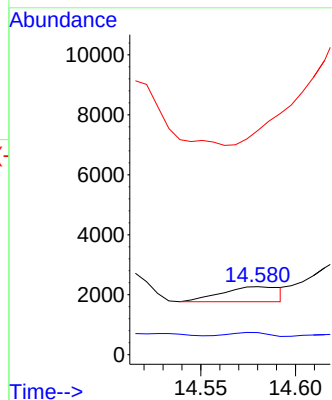
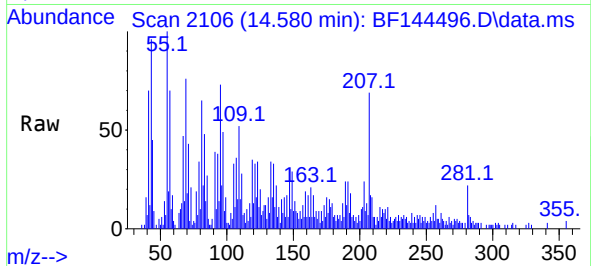




#85
Di-n-octyl phthalate
Concen: 6.547 ng
RT: 14.580 min Scan# 2106
Delta R.T. 0.029 min
Lab File: BF144496.D
Acq: 16 Dec 2025 15:48

Instrument :
BNA_F
ClientSampleId :
B151(10-12)121225

Tgt Ion:149 Resp: 1090
Ion Ratio Lower Upper
149 100
167 16.0 1.3 1.9#
43 0.0 9.2 13.8#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.374 min Scan# 2241
Delta R.T. -0.006 min
Lab File: BF144496.D
Acq: 16 Dec 2025 15:48

Tgt Ion:264 Resp: 419267
Ion Ratio Lower Upper
264 100
260 23.6 19.0 28.6
265 21.8 17.1 25.7

