

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121625\
 Data File : BF144494.D
 Acq On : 16 Dec 2025 14:44
 Operator : RC/JU
 Sample : PB170956BL
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB170956BL

Quant Time: Dec 16 15:08:10 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)

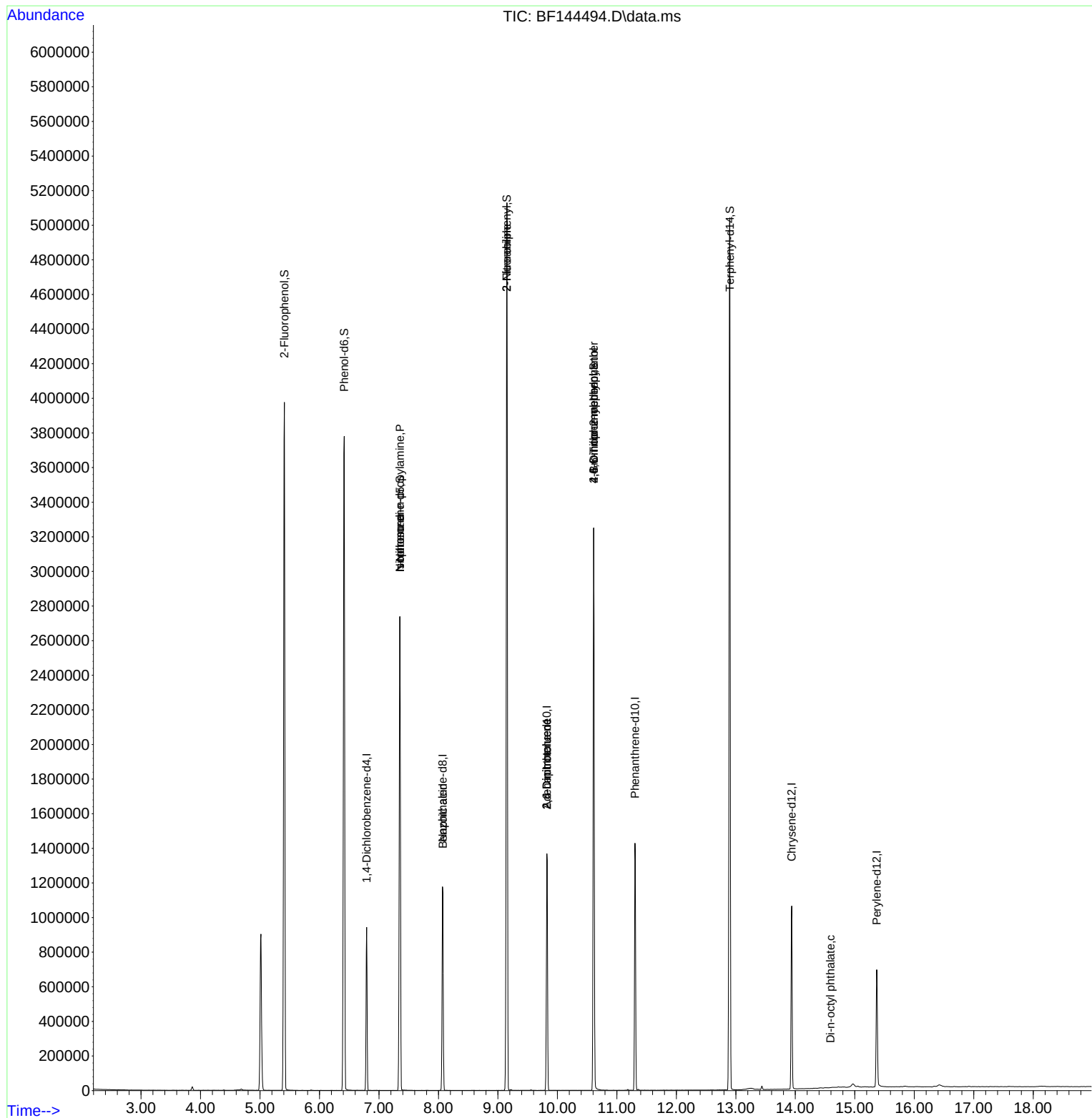
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	194252	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	772895	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	420147	20.000	ng	0.00
64) Phenanthrene-d10	11.304	188	720182	20.000	ng	0.00
76) Chrysene-d12	13.939	240	505478	20.000	ng	0.00
86) Perylene-d12	15.368	264	380341	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	1659469	128.810	ng	0.01
7) Phenol-d6	6.416	99	2033721	126.560	ng	0.00
23) Nitrobenzene-d5	7.351	82	1267835	102.651	ng	0.00
42) 2,4,6-Tribromophenol	10.610	330	580549	152.835	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	2365829	86.383	ng	0.00
79) Terphenyl-d14	12.898	244	2565527	80.130	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	169392	16.688	ng	# 77
25) Isophorone	7.351	82	1263076	45.314	ng	# 65
32) Benzoic acid	8.075	122	122	6.478	ng	# 1
48) 2-Nitroaniline	9.151	65	4265	4.181	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	54105	13.465	ng	# 25
57) 2,4-Dinitrotoluene	9.822	165	54105	10.887	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.610	198	1159	7.133	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	35516	4.224	ng	# 1
85) Di-n-octyl phthalate	14.592	149	110	6.506	ng	# 1

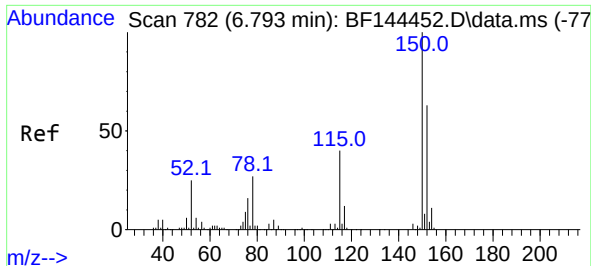
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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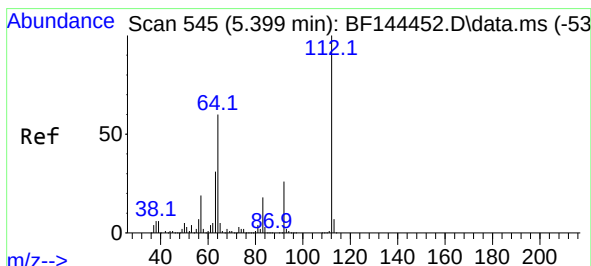
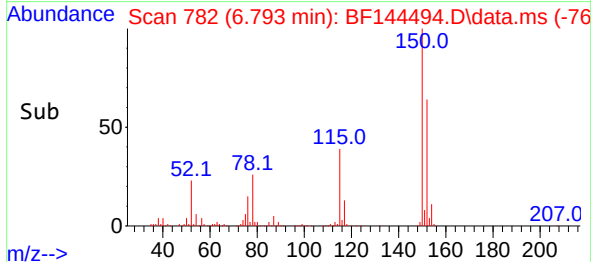
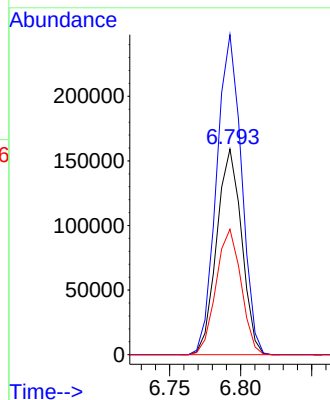
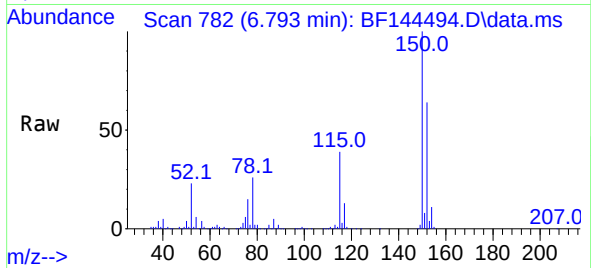




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF144494.D
Acq: 16 Dec 2025 14:44

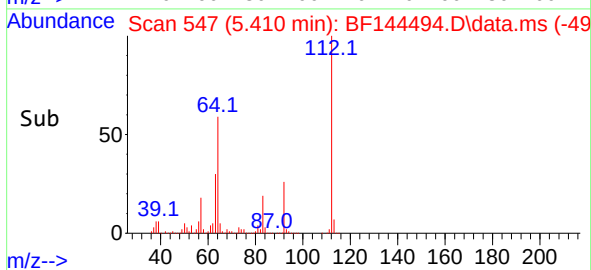
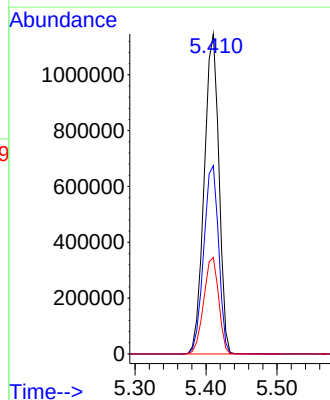
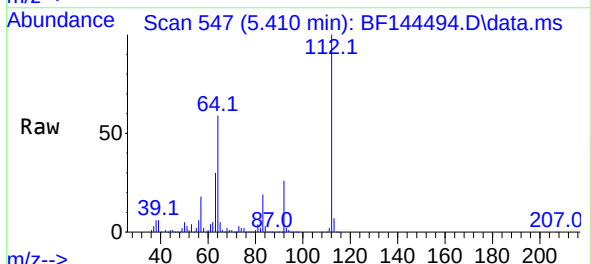
Instrument :
BNA_F
ClientSampleId :
PB170956BL

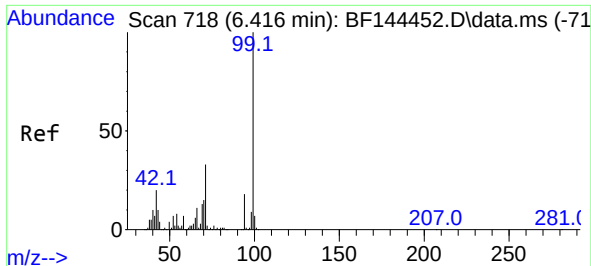
Tgt Ion:152 Resp: 194252
Ion Ratio Lower Upper
152 100
150 155.6 127.4 191.2
115 61.0 51.4 77.0



#5
2-Fluorophenol
Concen: 128.810 ng
RT: 5.410 min Scan# 547
Delta R.T. 0.012 min
Lab File: BF144494.D
Acq: 16 Dec 2025 14:44

Tgt Ion:112 Resp: 1659469
Ion Ratio Lower Upper
112 100
64 58.9 47.8 71.6
63 30.2 24.6 37.0

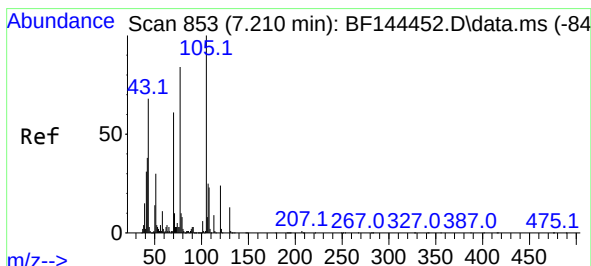
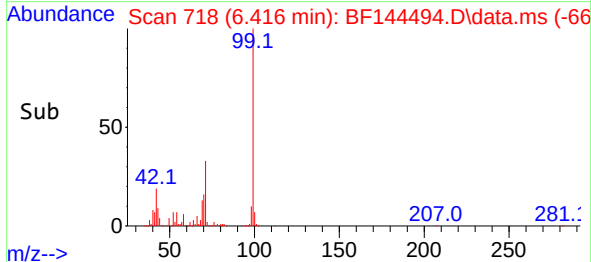
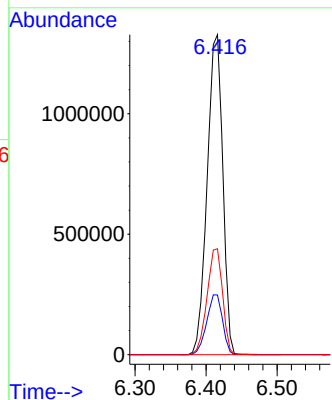
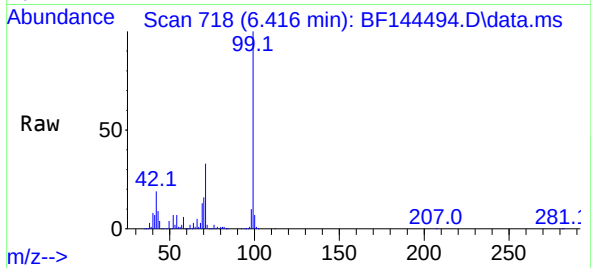




#7
Phenol-d6
Concen: 126.560 ng
RT: 6.416 min Scan# 718
Delta R.T. -0.000 min
Lab File: BF144494.D
Acq: 16 Dec 2025 14:44

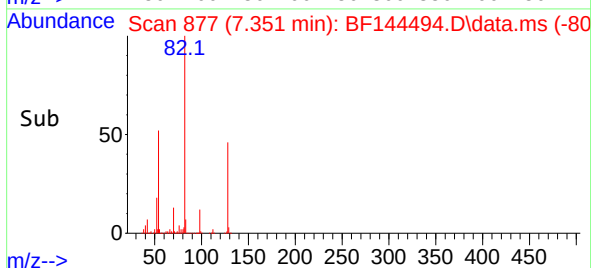
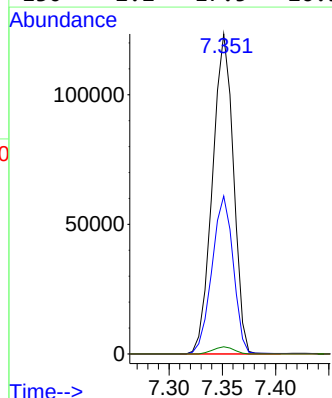
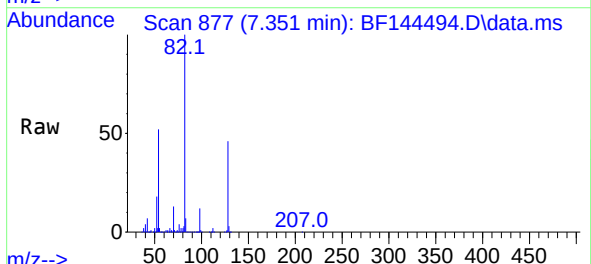
Instrument :
BNA_F
ClientSampleId :
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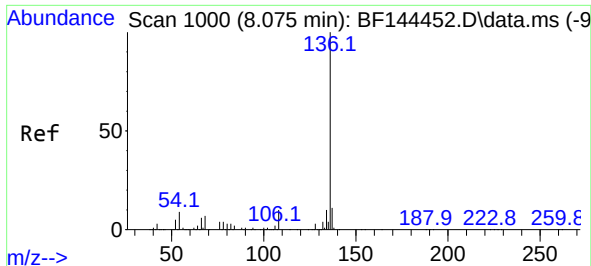
Tgt Ion: 99 Resp: 2033721
Ion Ratio Lower Upper
99 100
42 18.7 15.7 23.5
71 33.1 26.4 39.6



#19
n-Nitroso-di-n-propylamine
Concen: 16.688 ng
RT: 7.351 min Scan# 877
Delta R.T. 0.141 min
Lab File: BF144494.D
Acq: 16 Dec 2025 14:44

Tgt Ion: 70 Resp: 169392
Ion Ratio Lower Upper
70 100
42 49.3 49.4 74.0#
101 0.0 7.8 11.6#
130 2.2 17.5 26.3#



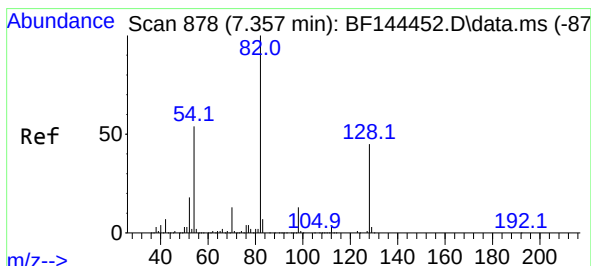
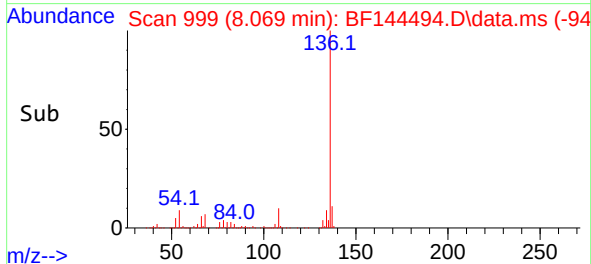
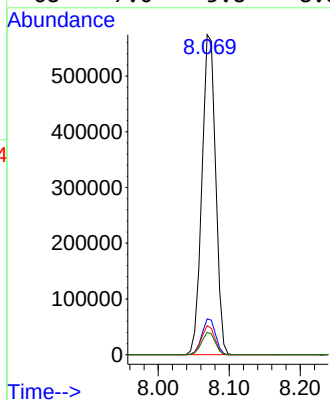
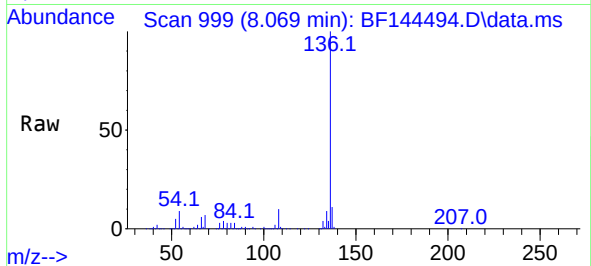


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF144494.D
Acq: 16 Dec 2025 14:44

Instrument :
BNA_F
ClientSampleId :
PB170956BL

Tgt Ion:136 Resp: 772895

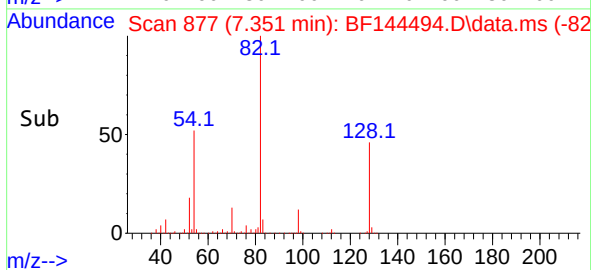
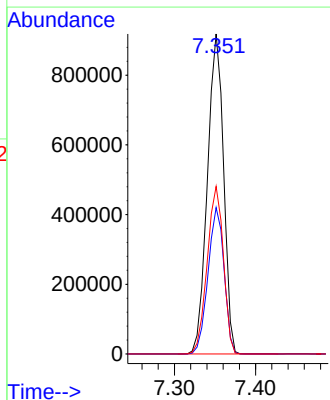
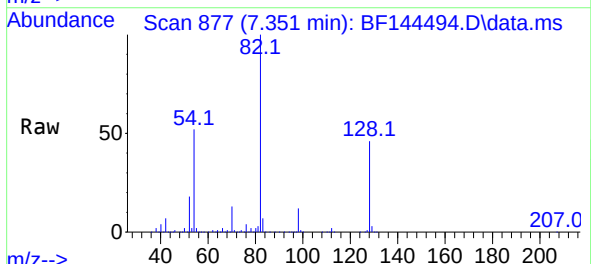
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	9.0	7.5	11.3
68	7.0	5.8	8.8

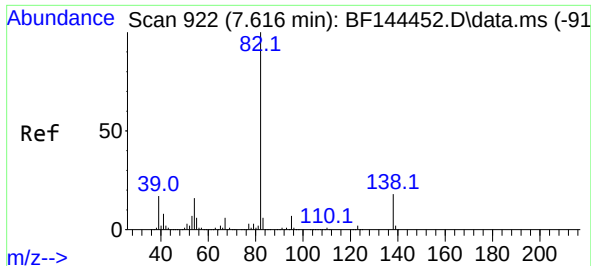


#23
Nitrobenzene-d5
Concen: 102.651 ng
RT: 7.351 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF144494.D
Acq: 16 Dec 2025 14:44

Tgt Ion: 82 Resp: 1267835

Ion	Ratio	Lower	Upper
82	100		
128	45.8	35.5	53.3
54	52.3	43.3	64.9

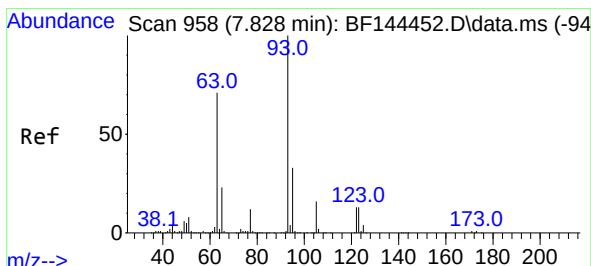
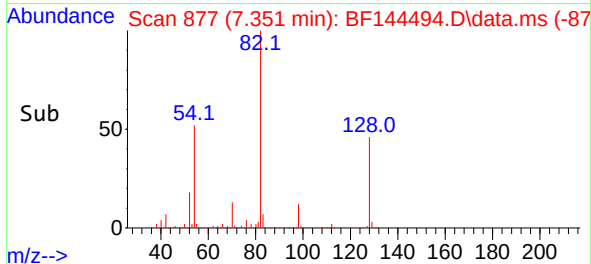
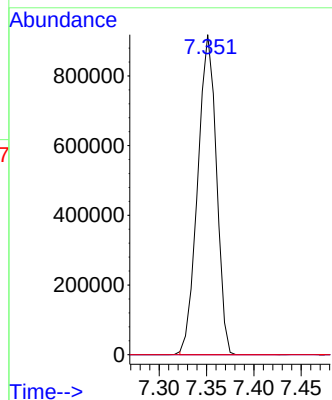
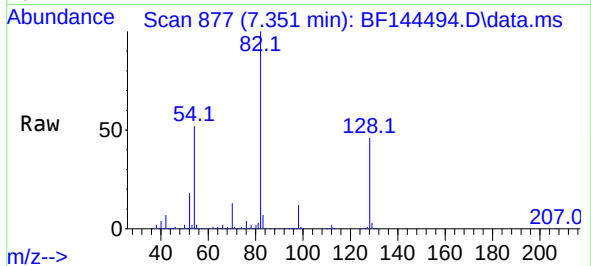




#25
Isophorone
Concen: 45.314 ng
RT: 7.351 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF144494.D
Acq: 16 Dec 2025 14:44

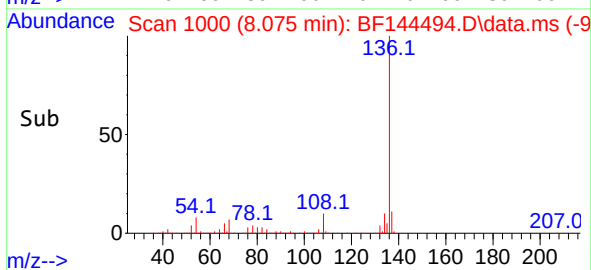
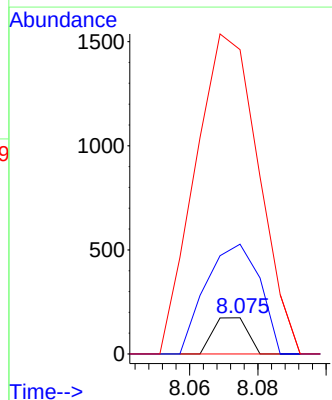
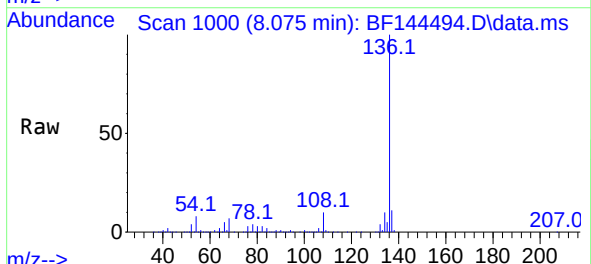
Instrument :
BNA_F
ClientSampleId :
PB170956BL

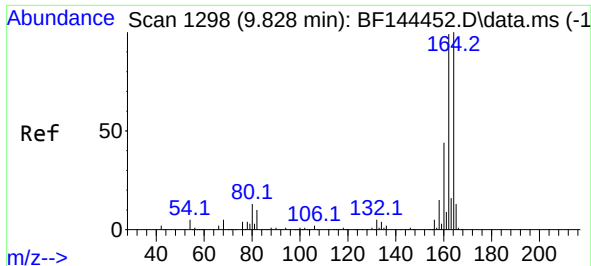
Tgt Ion: 82 Resp: 1263076
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 14.4 21.6#



#32
Benzoic acid
Concen: 6.478 ng
RT: 8.075 min Scan# 1000
Delta R.T. 0.247 min
Lab File: BF144494.D
Acq: 16 Dec 2025 14:44

Tgt Ion:122 Resp: 122
Ion Ratio Lower Upper
122 100
105 302.9 103.2 143.2#
77 840.2 75.1 115.1#

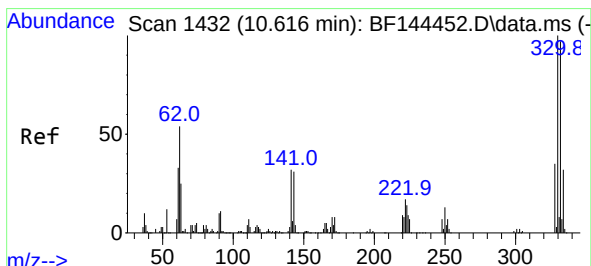
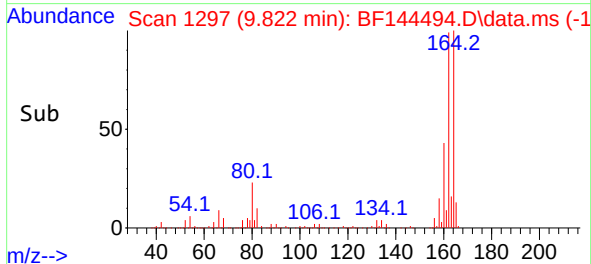
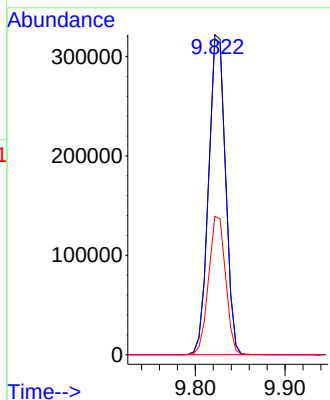
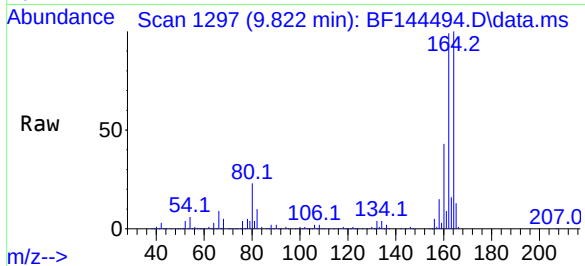




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144494.D
Acq: 16 Dec 2025 14:44

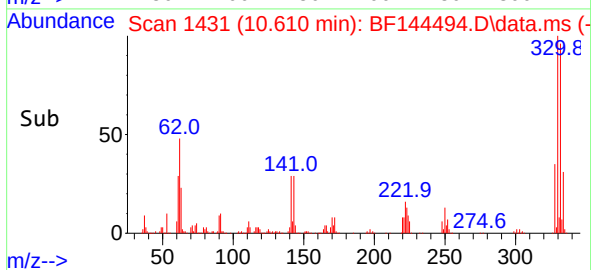
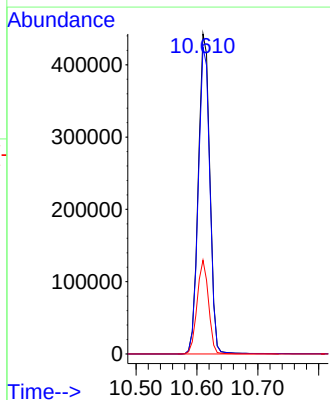
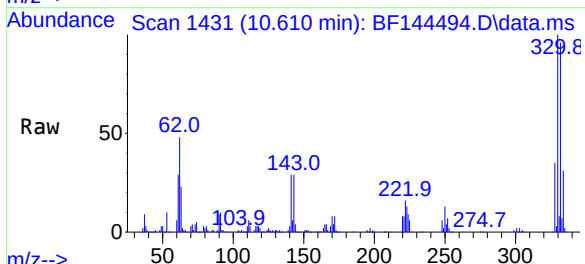
Instrument :
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ClientSampleId :
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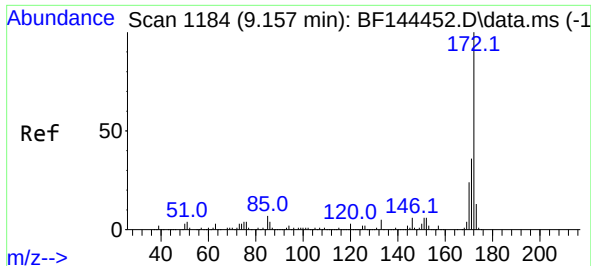
Tgt Ion:164 Resp: 420147
Ion Ratio Lower Upper
164 100
162 98.8 79.2 118.8
160 43.3 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 152.835 ng
RT: 10.610 min Scan# 1431
Delta R.T. -0.006 min
Lab File: BF144494.D
Acq: 16 Dec 2025 14:44

Tgt Ion:330 Resp: 580549
Ion Ratio Lower Upper
330 100
332 96.2 77.5 116.3
141 28.9 26.2 39.2

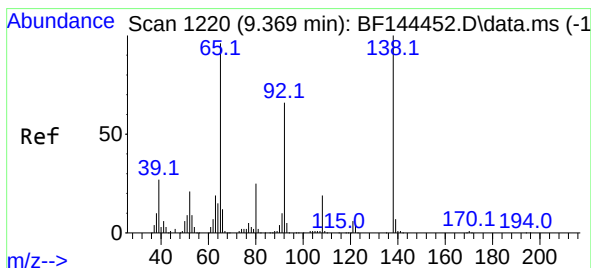
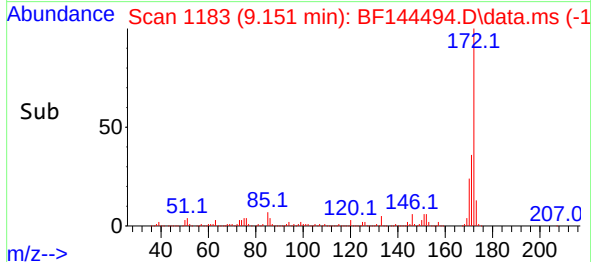
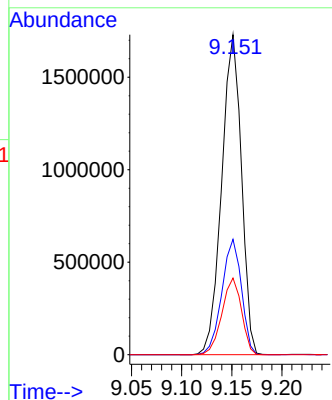
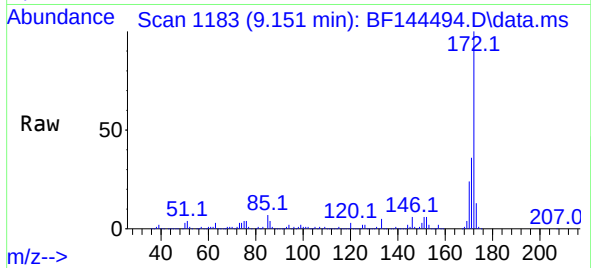




#45
2-Fluorobiphenyl
Concen: 86.383 ng
RT: 9.151 min Scan# 1183
Delta R.T. -0.006 min
Lab File: BF144494.D
Acq: 16 Dec 2025 14:44

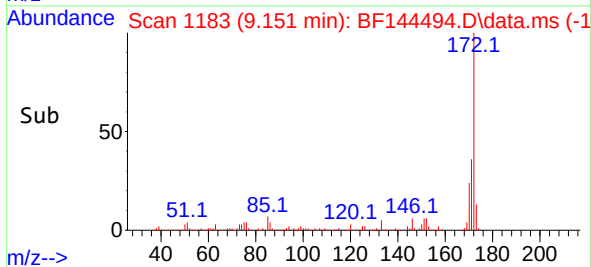
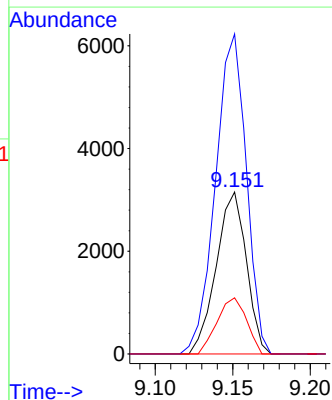
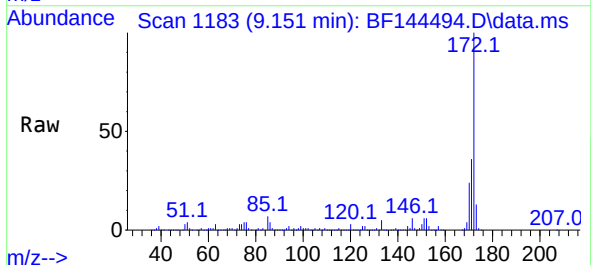
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PB170956BL

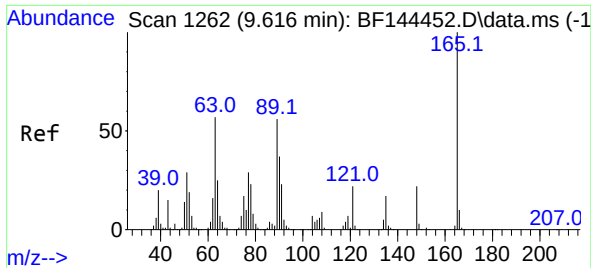
Tgt Ion:172 Resp: 2365829
Ion Ratio Lower Upper
172 100
171 36.0 28.7 43.1
170 23.9 19.3 28.9



#48
2-Nitroaniline
Concen: 4.181 ng
RT: 9.151 min Scan# 1183
Delta R.T. -0.218 min
Lab File: BF144494.D
Acq: 16 Dec 2025 14:44

Tgt Ion: 65 Resp: 4265
Ion Ratio Lower Upper
65 100
92 197.6 55.0 82.4#
138 34.7 83.4 125.2#

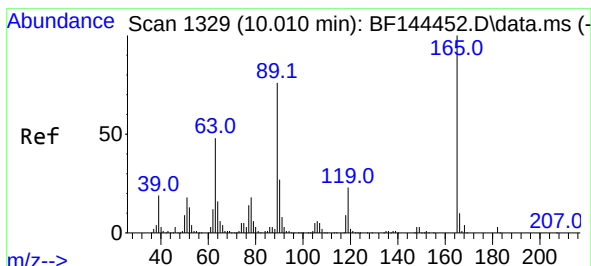
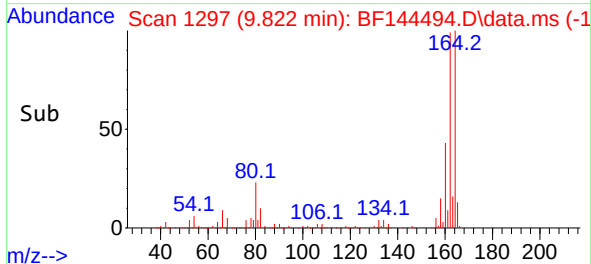
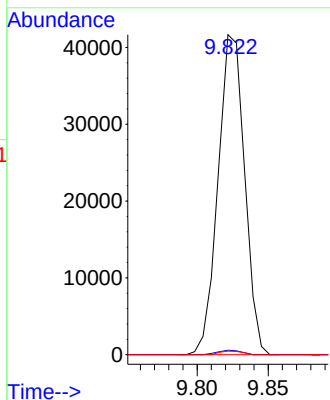
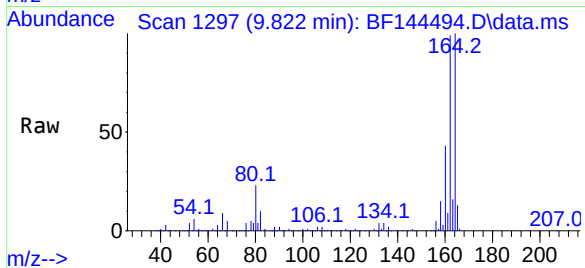




#51
2,6-Dinitrotoluene
Concen: 13.465 ng
RT: 9.822 min Scan# 1297
Delta R.T. 0.206 min
Lab File: BF144494.D
Acq: 16 Dec 2025 14:44

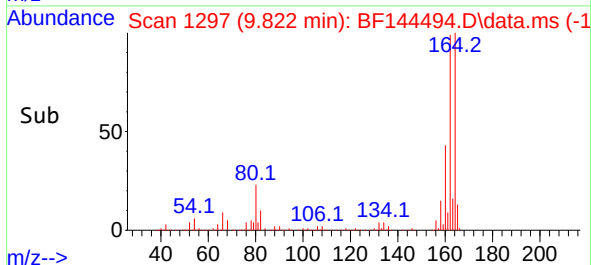
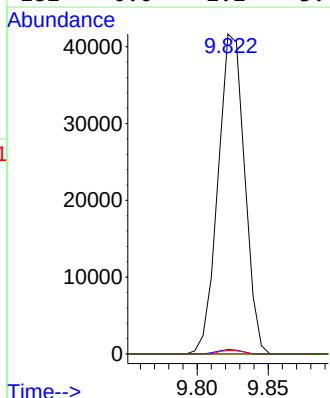
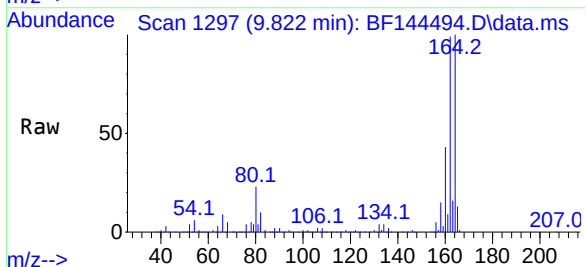
Instrument :
BNA_F
ClientSampleId :
PB170956BL

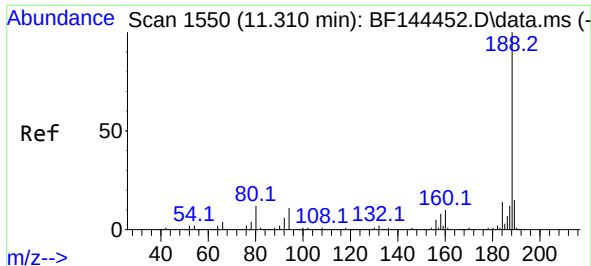
Tgt Ion:165 Resp: 54105
Ion Ratio Lower Upper
165 100
63 1.4 45.9 68.9#
89 1.1 44.6 67.0#



#57
2,4-Dinitrotoluene
Concen: 10.887 ng
RT: 9.822 min Scan# 1297
Delta R.T. -0.188 min
Lab File: BF144494.D
Acq: 16 Dec 2025 14:44

Tgt Ion:165 Resp: 54105
Ion Ratio Lower Upper
165 100
63 1.4 38.2 57.4#
89 1.1 61.2 91.8#
182 0.0 2.2 3.4#

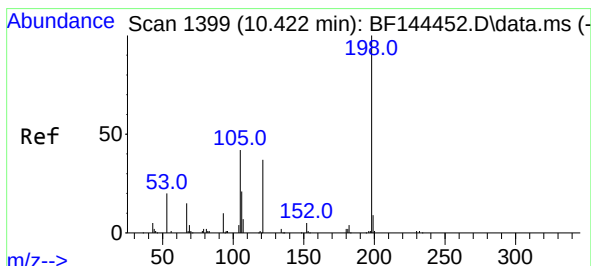
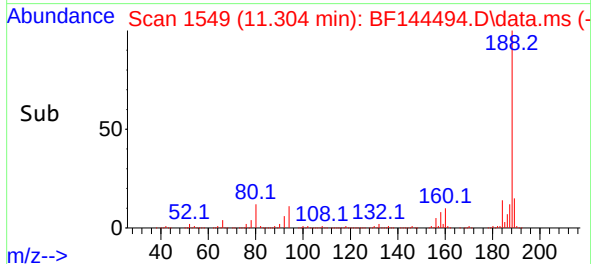
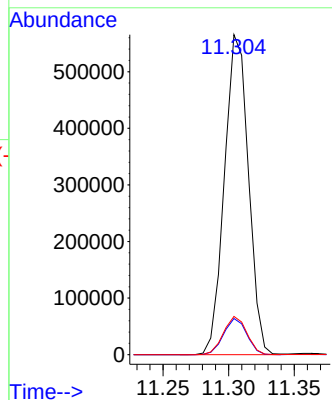
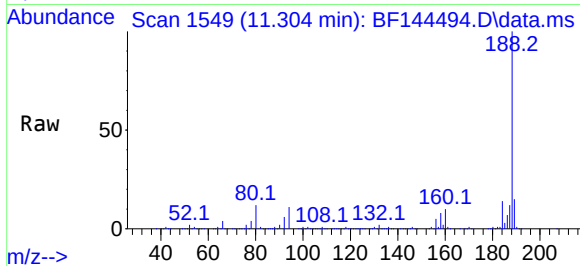




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144494.D
Acq: 16 Dec 2025 14:44

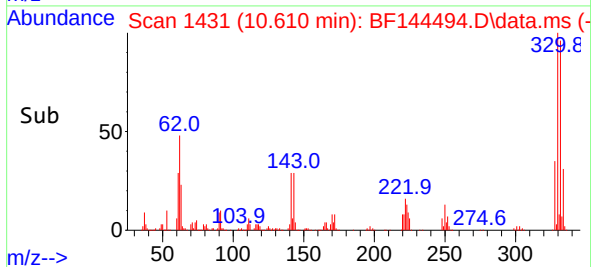
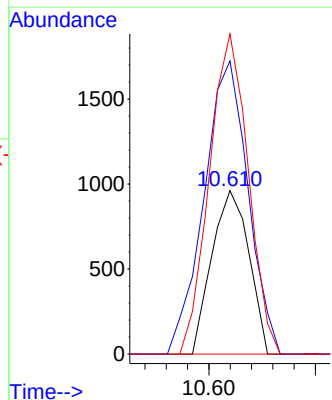
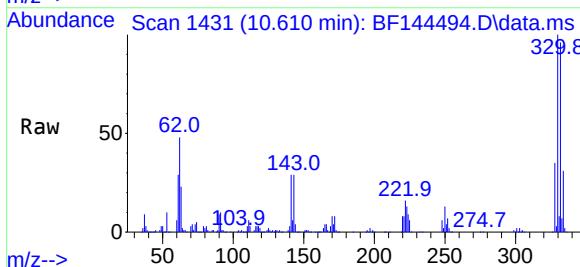
Instrument :
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ClientSampleId :
PB170956BL

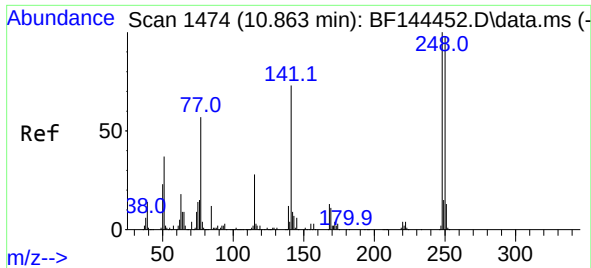
Tgt Ion:188 Resp: 720182
Ion Ratio Lower Upper
188 100
94 11.3 9.0 13.6
80 11.9 9.8 14.8



#65
4,6-Dinitro-2-methylphenol
Concen: 7.133 ng
RT: 10.610 min Scan# 1431
Delta R.T. 0.188 min
Lab File: BF144494.D
Acq: 16 Dec 2025 14:44

Tgt Ion:198 Resp: 1159
Ion Ratio Lower Upper
198 100
51 179.3 25.5 65.5#
105 195.7 23.4 63.4#

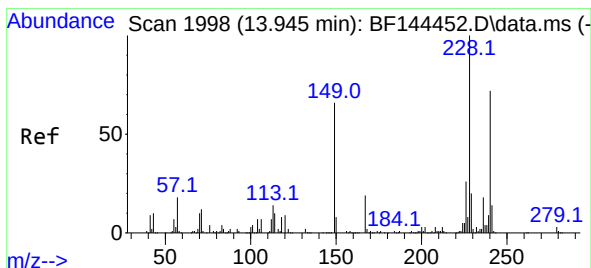
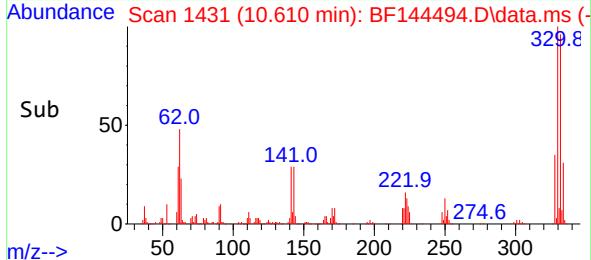
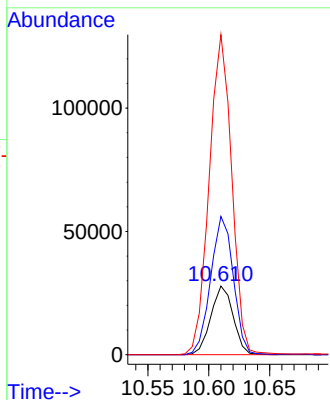
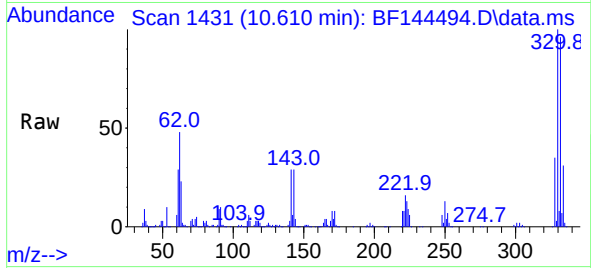




#67
4-Bromophenyl-phenylether
Concen: 4.224 ng
RT: 10.610 min Scan# 1474
Delta R.T. -0.253 min
Lab File: BF144494.D
Acq: 16 Dec 2025 14:44

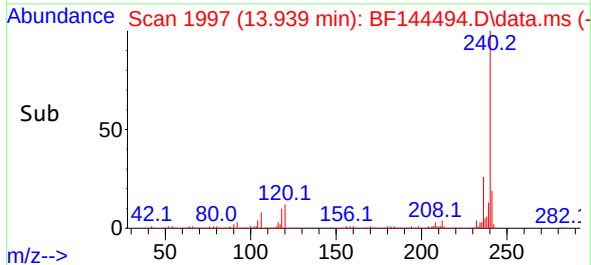
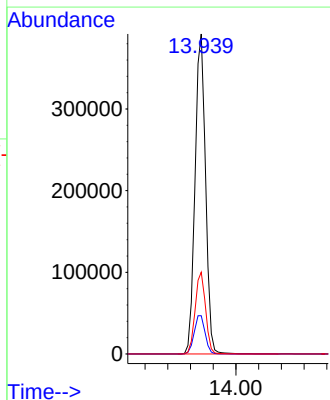
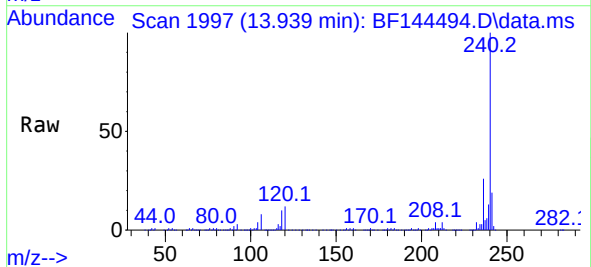
Instrument :
BNA_F
ClientSampleId :
PB170956BL

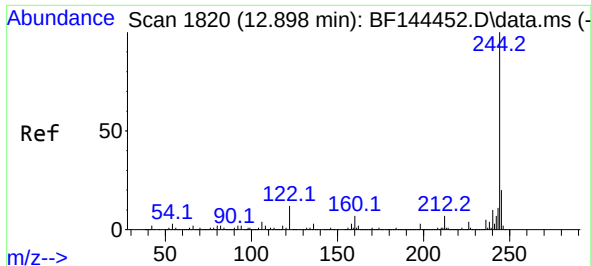
Tgt Ion:248 Resp: 35516
Ion Ratio Lower Upper
248 100
250 201.4 78.2 117.4#
141 466.3 58.5 87.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BF144494.D
Acq: 16 Dec 2025 14:44

Tgt Ion:240 Resp: 505478
Ion Ratio Lower Upper
240 100
120 12.0 10.3 15.5
236 25.6 20.2 30.4

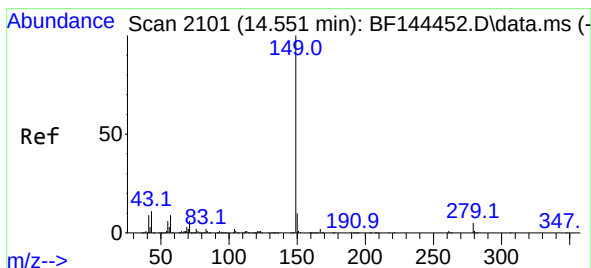
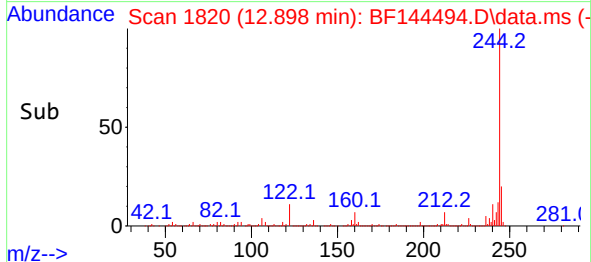
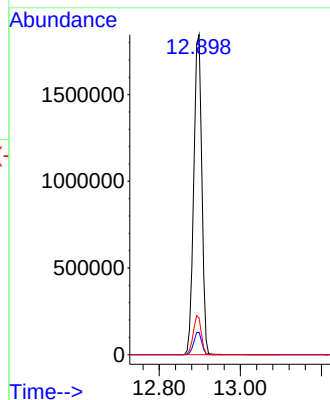
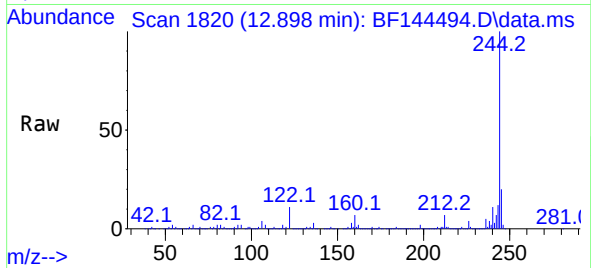




#79
 Terphenyl-d14
 Concen: 80.130 ng
 RT: 12.898 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF144494.D
 Acq: 16 Dec 2025 14:44

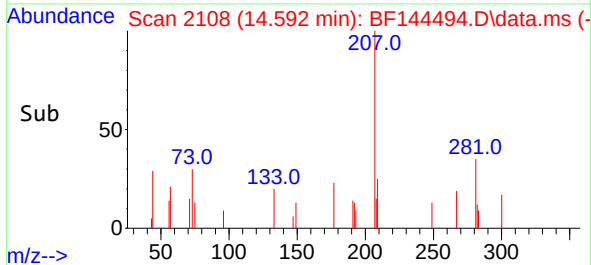
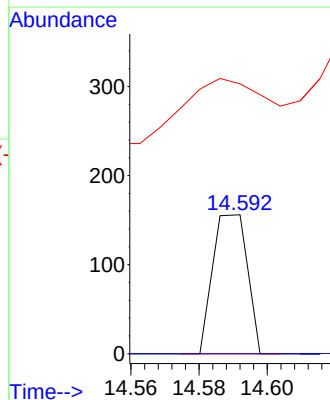
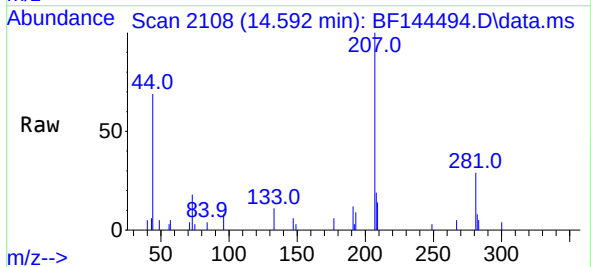
Instrument :
 BNA_F
 ClientSampleId :
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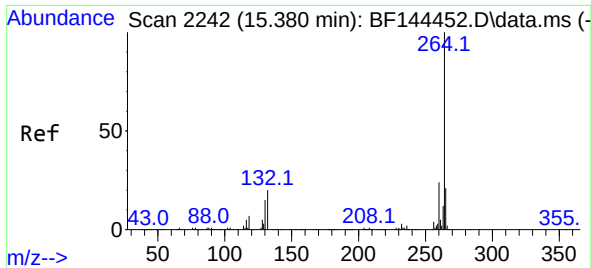
Tgt Ion:244 Resp: 2565527
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.7 8.5
 122 11.5 9.9 14.9



#85
 Di-n-octyl phthalate
 Concen: 6.506 ng
 RT: 14.592 min Scan# 2108
 Delta R.T. 0.041 min
 Lab File: BF144494.D
 Acq: 16 Dec 2025 14:44

Tgt Ion:149 Resp: 110
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.3 1.9#
 43 113.6 9.2 13.8#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.368 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF144494.D
Acq: 16 Dec 2025 14:44

Instrument :
BNA_F
ClientSampleId :
PB170956BL

Tgt Ion:264 Resp: 380341

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.0	28.6
265	21.8	17.1	25.7

