

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120325\
 Data File : BF144416.D
 Acq On : 03 Dec 2025 12:54
 Operator : RC/JU
 Sample : PB170797BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB170797BL

Quant Time: Dec 03 13:14:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

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

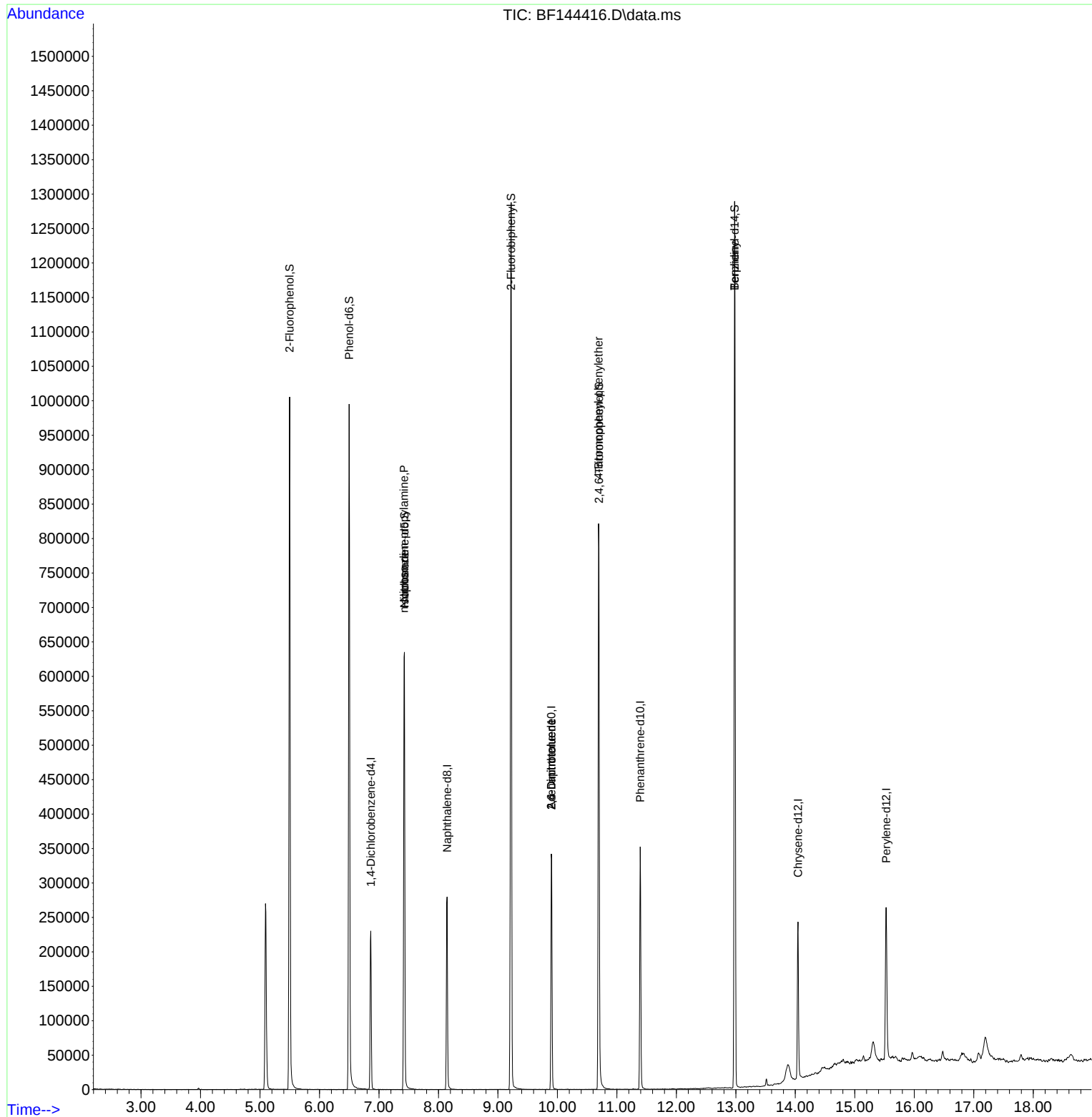
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	51522	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	197478	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	112839	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	204071	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	124841	20.000	ng	0.00
86) Perylene-d12	15.527	264	151129	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	397330	120.681	ng	0.00
7) Phenol-d6	6.498	99	459046	123.050	ng	0.00
23) Nitrobenzene-d5	7.428	82	291466	85.243	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	193261	136.484	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	655159	85.753	ng	0.00
79) Terphenyl-d14	12.980	244	710045	90.342	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.422	70	41798	17.020	ng	# 77
25) Isophorone	7.428	82	291462	45.065	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	14445	9.546	ng	# 27
57) 2,4-Dinitrotoluene	9.898	165	14445	7.131	ng	# 27
67) 4-Bromophenyl-phenylether	10.692	248	10592	4.066	ng	# 1
77) Benzidine	12.980	184	7477	2.025	ng	96

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

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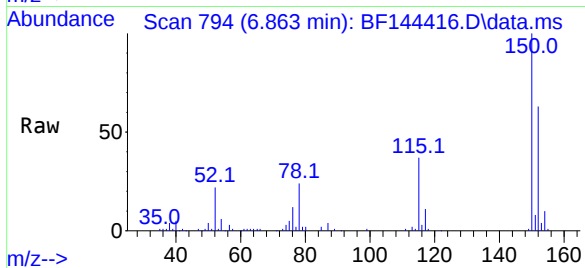
Quant Time: Dec 03 13:14:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration



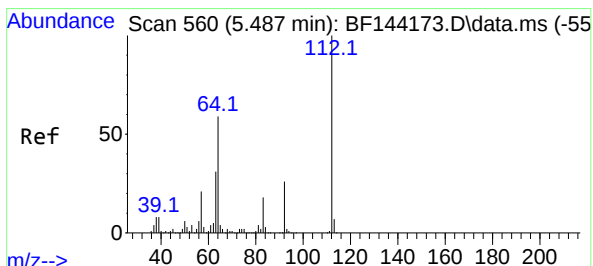
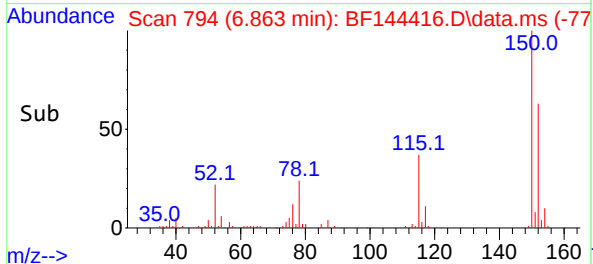
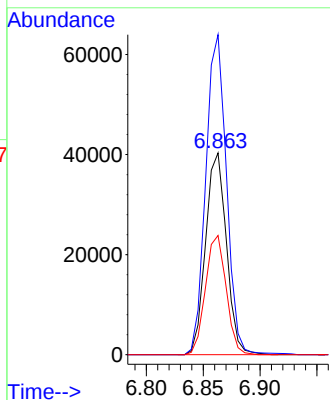


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 794
Delta R.T. -0.012 min
Lab File: BF144416.D
Acq: 03 Dec 2025 12:54

Instrument :
BNA_F
ClientSampleId :
PB170797BL

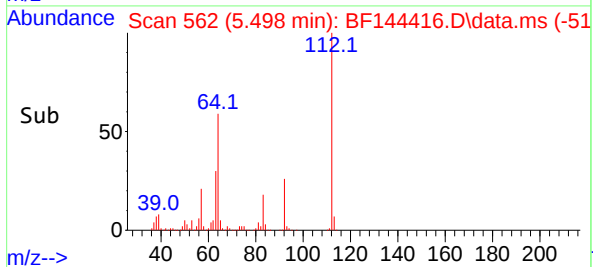
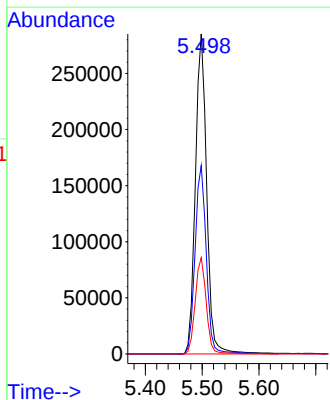
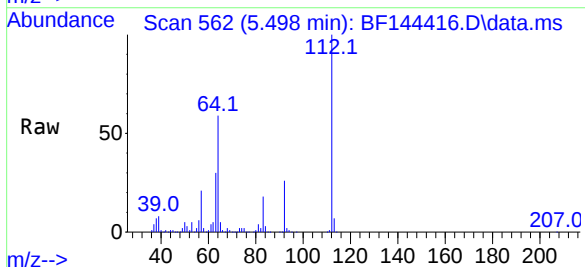


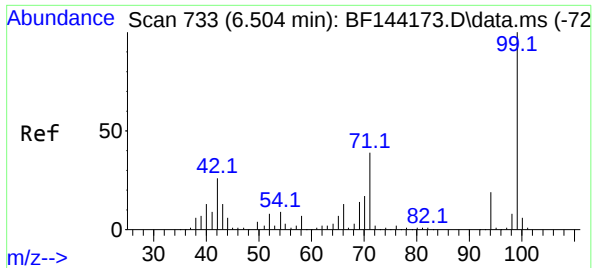
Tgt Ion:152 Resp: 51522
Ion Ratio Lower Upper
152 100
150 158.6 127.4 191.0
115 59.1 49.5 74.3



#5
2-Fluorophenol
Concen: 120.681 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF144416.D
Acq: 03 Dec 2025 12:54

Tgt Ion:112 Resp: 397330
Ion Ratio Lower Upper
112 100
64 58.8 47.2 70.8
63 30.1 24.4 36.6

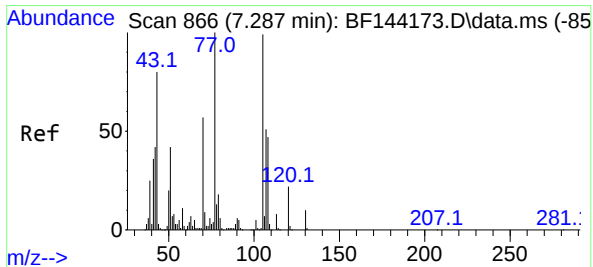
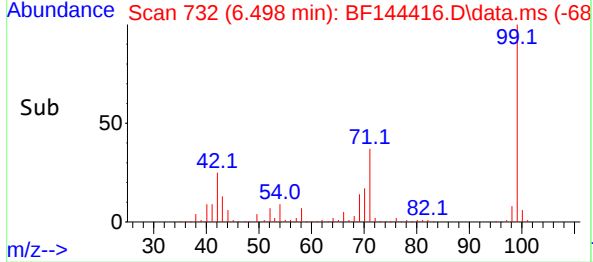
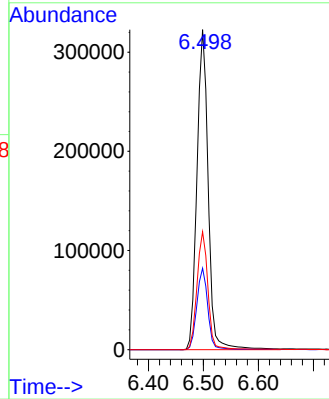
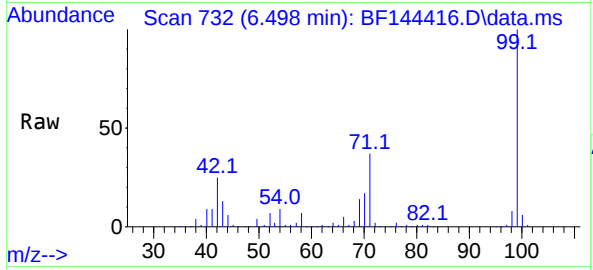




#7
Phenol-d6
Concen: 123.050 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF144416.D
Acq: 03 Dec 2025 12:54

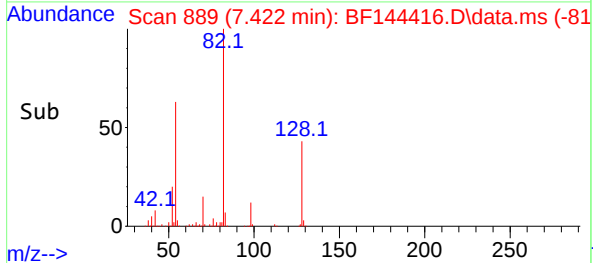
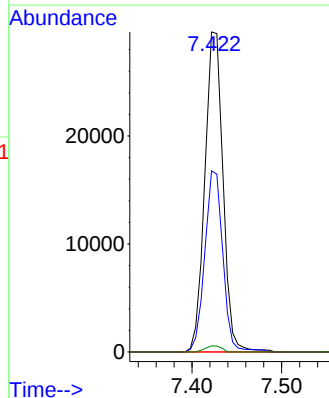
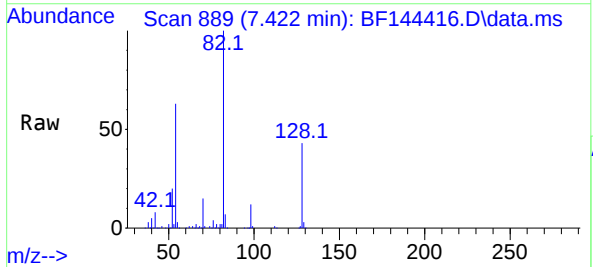
Instrument :
BNA_F
ClientSampleId :
PB170797BL

Tgt Ion: 99 Resp: 459046
Ion Ratio Lower Upper
99 100
42 25.5 20.9 31.3
71 36.9 31.4 47.2



#19
n-Nitroso-di-n-propylamine
Concen: 17.020 ng
RT: 7.422 min Scan# 889
Delta R.T. 0.147 min
Lab File: BF144416.D
Acq: 03 Dec 2025 12:54

Tgt Ion: 70 Resp: 41798
Ion Ratio Lower Upper
70 100
42 56.6 58.3 87.5#
101 0.0 7.0 10.6#
130 1.9 14.4 21.6#



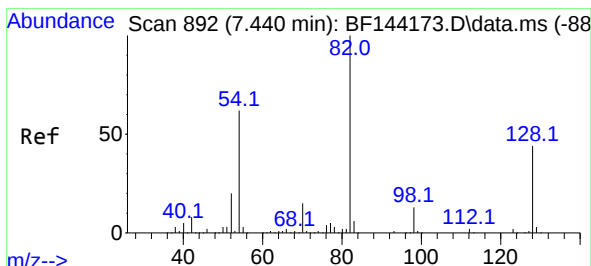
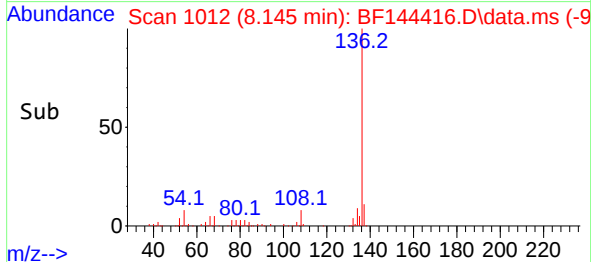
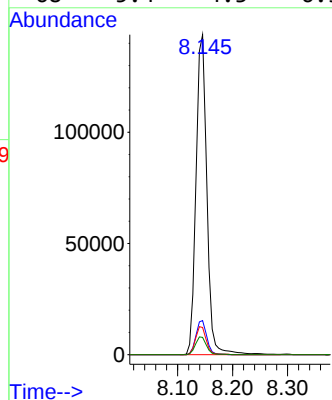
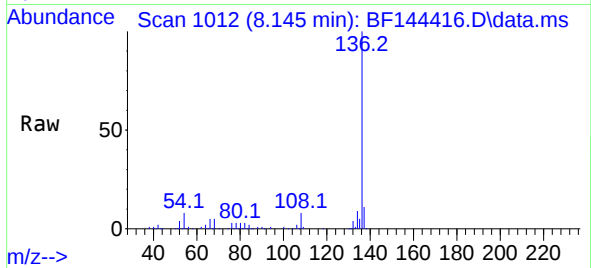


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 10
Delta R.T. -0.012 min
Lab File: BF144416.D
Acq: 03 Dec 2025 12:54

Instrument :
BNA_F
ClientSampleId :
PB170797BL

Tgt Ion:136 Resp: 197478

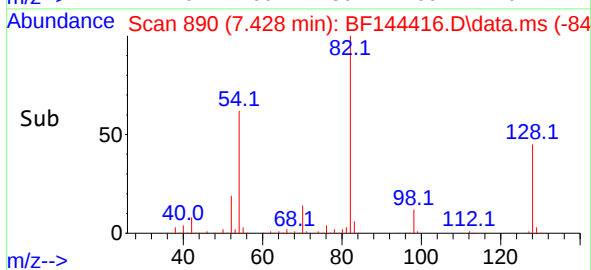
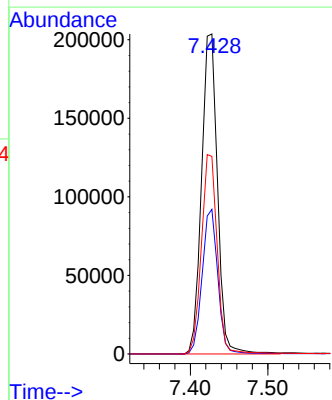
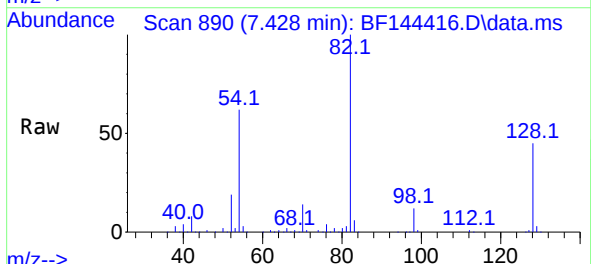
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	8.5	7.0	10.6
68	5.4	4.3	6.5

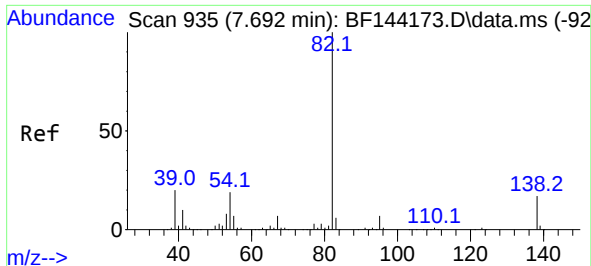


#23
Nitrobenzene-d5
Concen: 85.243 ng
RT: 7.428 min Scan# 890
Delta R.T. -0.006 min
Lab File: BF144416.D
Acq: 03 Dec 2025 12:54

Tgt Ion: 82 Resp: 291466

Ion	Ratio	Lower	Upper
82	100		
128	45.2	34.7	52.1
54	61.8	49.5	74.3

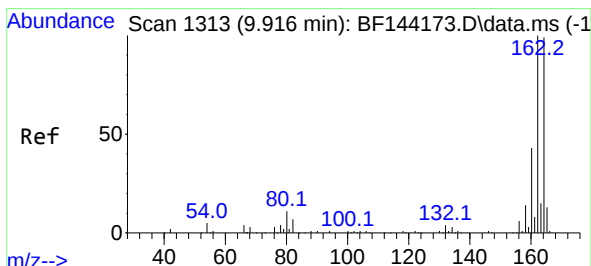
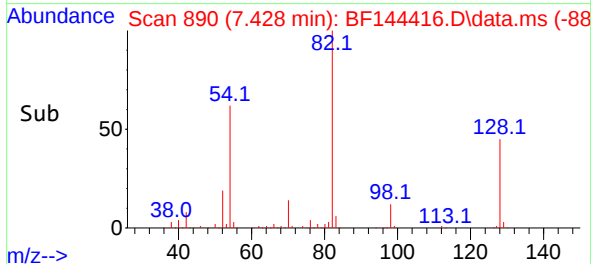
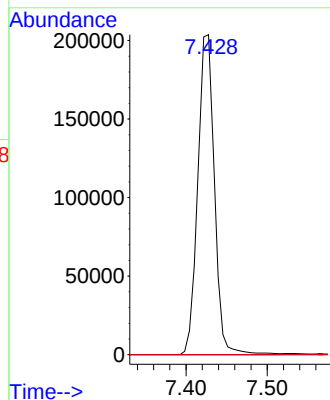
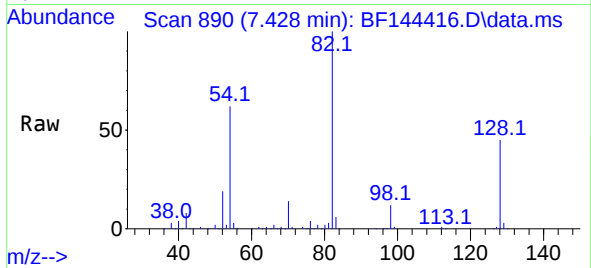




#25
Isophorone
Concen: 45.065 ng
RT: 7.428 min Scan# 89
Delta R.T. -0.259 min
Lab File: BF144416.D
Acq: 03 Dec 2025 12:54

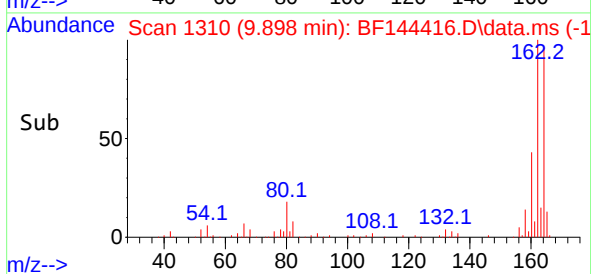
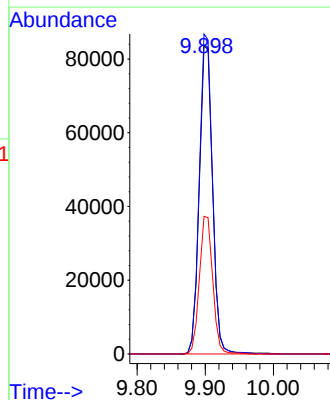
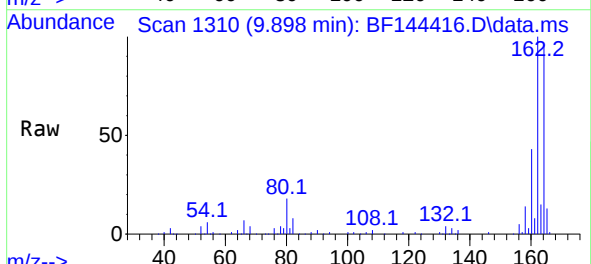
Instrument :
BNA_F
ClientSampleId :
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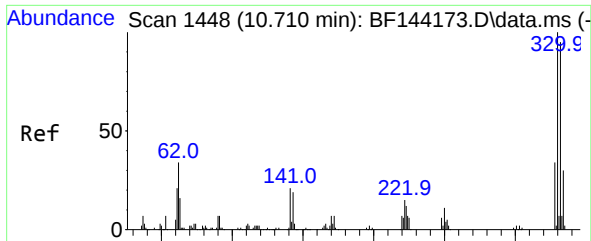
Tgt Ion: 82 Resp: 291462
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.018 min
Lab File: BF144416.D
Acq: 03 Dec 2025 12:54

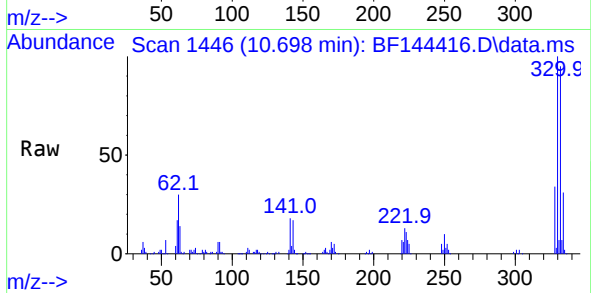
Tgt Ion:164 Resp: 112839
Ion Ratio Lower Upper
164 100
162 103.9 81.1 121.7
160 44.6 34.5 51.7



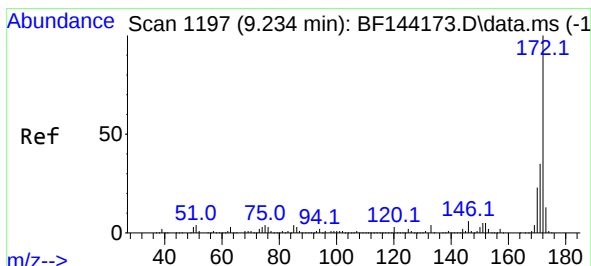
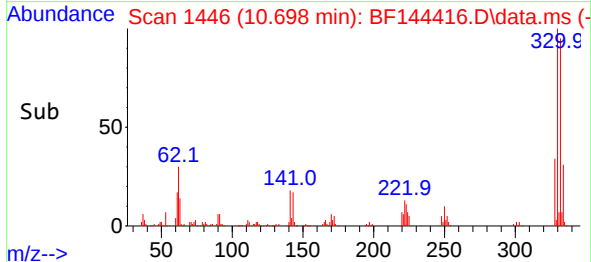
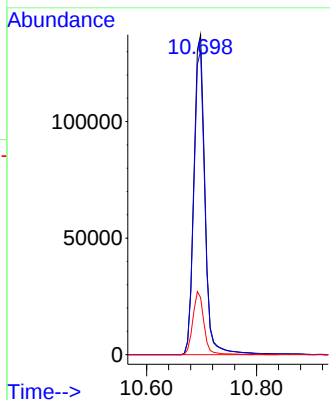


#42
2,4,6-Tribromophenol
Concen: 136.484 ng
RT: 10.698 min Scan# 1446
Delta R.T. -0.006 min
Lab File: BF144416.D
Acq: 03 Dec 2025 12:54

Instrument :
BNA_F
ClientSampleId :
PB170797BL

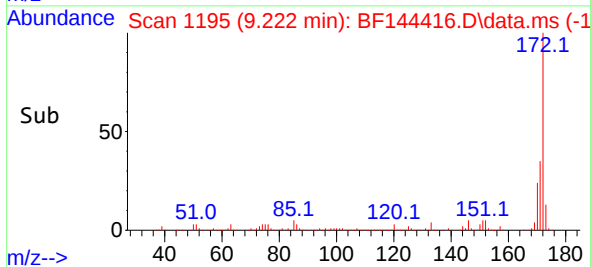
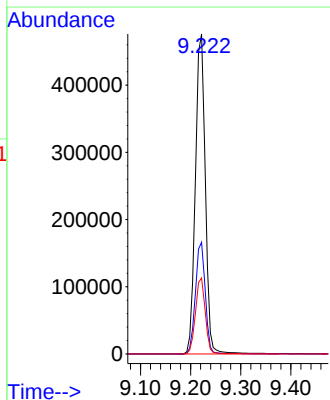
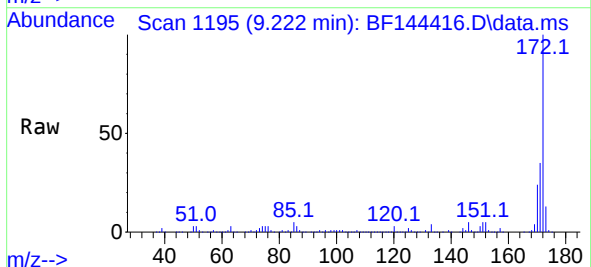


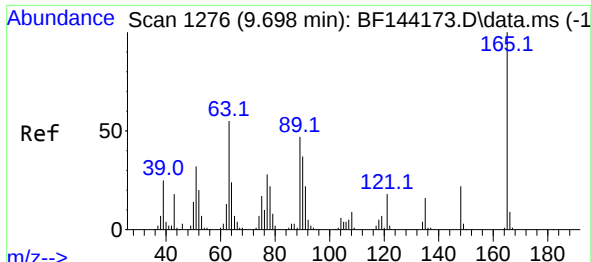
Tgt Ion:330 Resp: 193261
Ion Ratio Lower Upper
330 100
332 94.7 76.7 115.1
141 19.6 17.8 26.8



#45
2-Fluorobiphenyl
Concen: 85.753 ng
RT: 9.222 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF144416.D
Acq: 03 Dec 2025 12:54

Tgt Ion:172 Resp: 655159
Ion Ratio Lower Upper
172 100
171 34.9 28.1 42.1
170 23.7 18.6 28.0

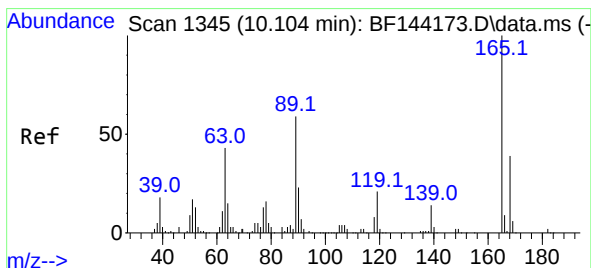
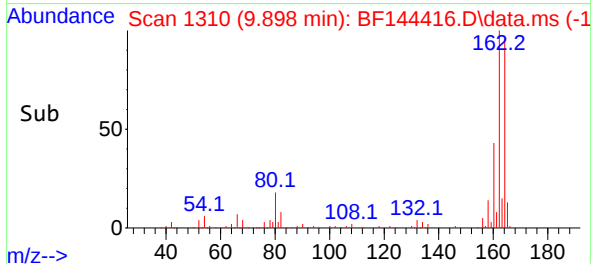
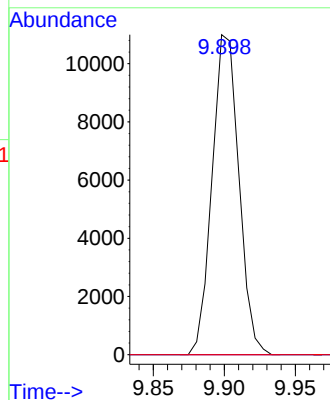
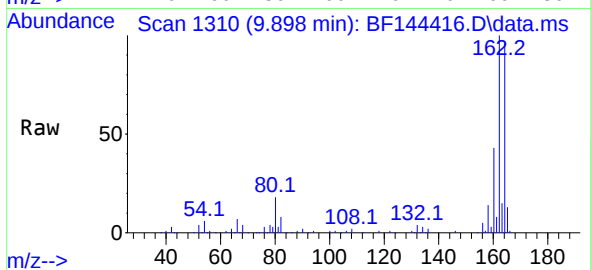




#51
2,6-Dinitrotoluene
Concen: 9.546 ng
RT: 9.898 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF144416.D
Acq: 03 Dec 2025 12:54

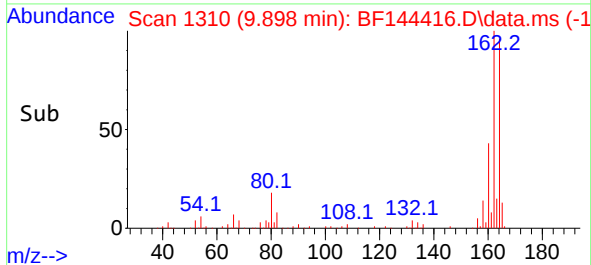
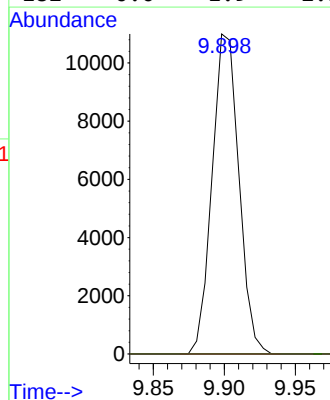
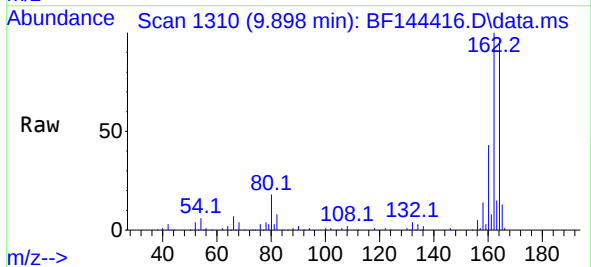
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ClientSampleId :
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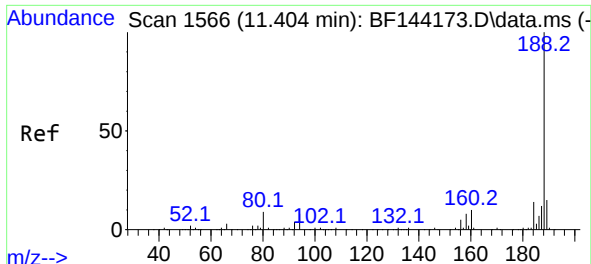
Tgt Ion:165 Resp: 14445
Ion Ratio Lower Upper
165 100
63 0.0 43.8 65.8#
89 0.0 37.5 56.3#



#57
2,4-Dinitrotoluene
Concen: 7.131 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.200 min
Lab File: BF144416.D
Acq: 03 Dec 2025 12:54

Tgt Ion:165 Resp: 14445
Ion Ratio Lower Upper
165 100
63 0.0 35.5 53.3#
89 0.0 47.4 71.2#
182 0.0 1.9 2.9#

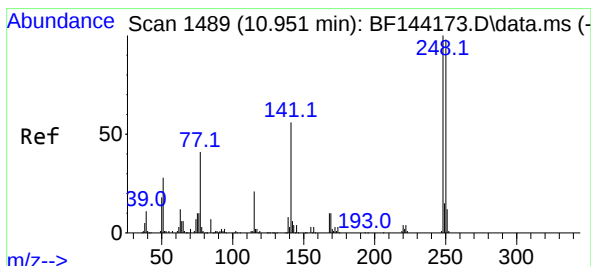
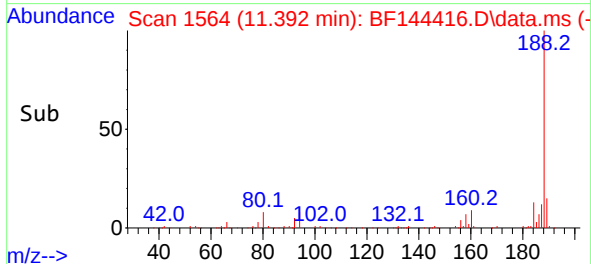
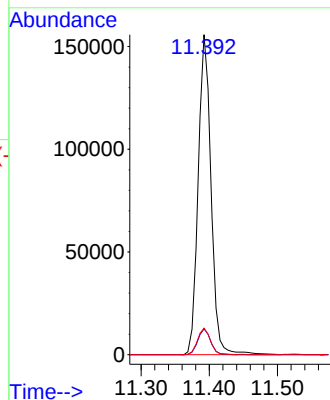
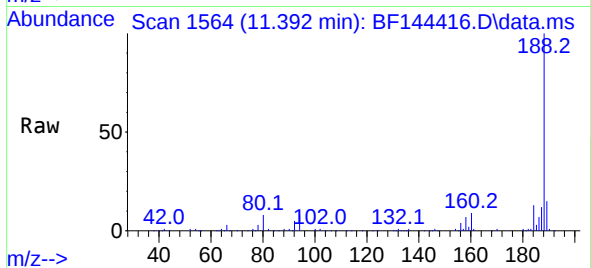




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144416.D
Acq: 03 Dec 2025 12:54

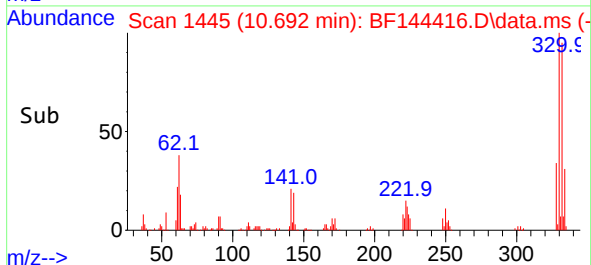
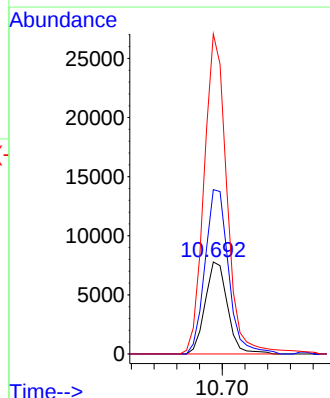
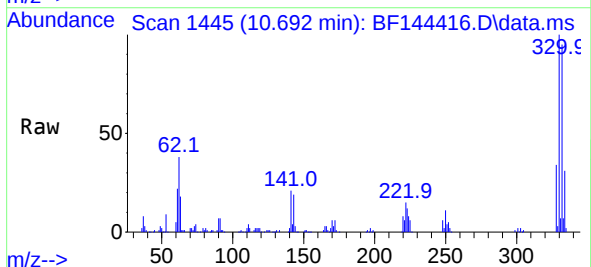
Instrument :
BNA_F
ClientSampleId :
PB170797BL

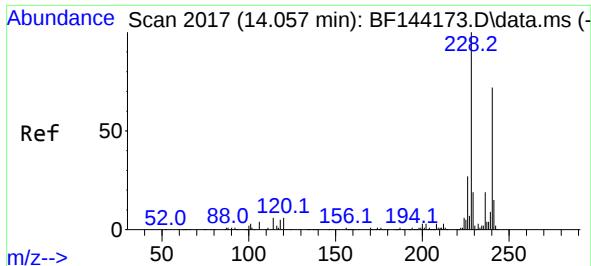
Tgt Ion:188 Resp: 204071
Ion Ratio Lower Upper
188 100
94 8.1 6.2 9.2
80 8.3 6.9 10.3



#67
4-Bromophenyl-phenylether
Concen: 4.066 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.253 min
Lab File: BF144416.D
Acq: 03 Dec 2025 12:54

Tgt Ion:248 Resp: 10592
Ion Ratio Lower Upper
248 100
250 178.5 78.4 117.6#
141 347.6 45.1 67.7#

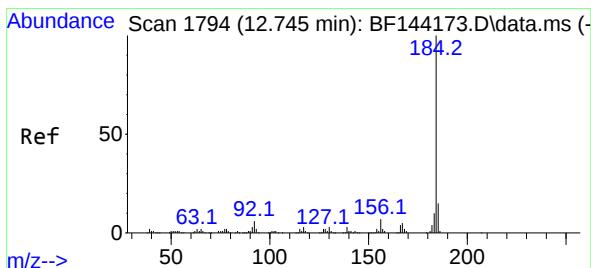
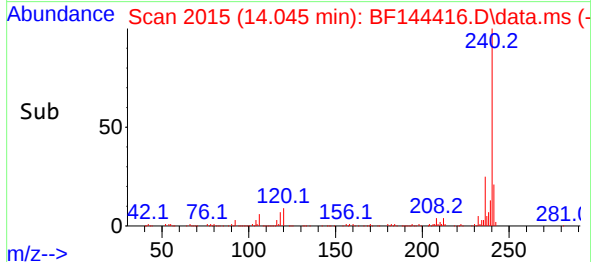
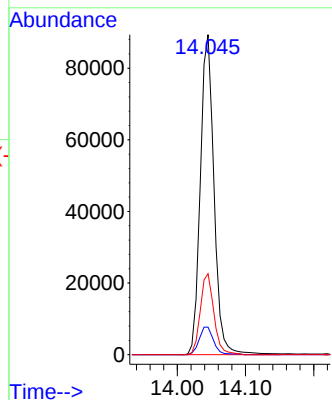
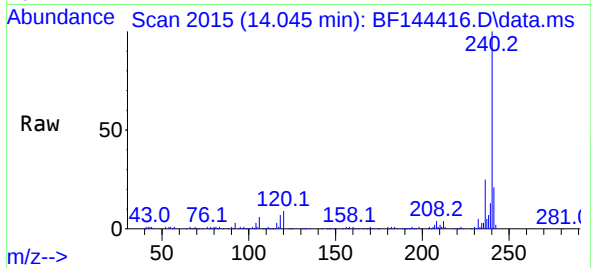




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF144416.D
Acq: 03 Dec 2025 12:54

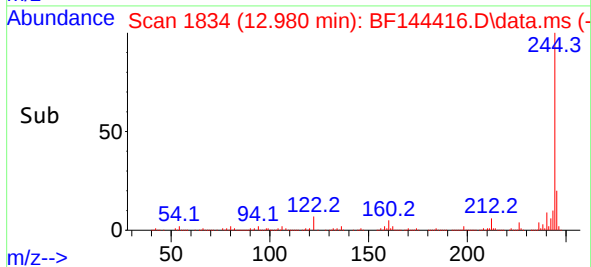
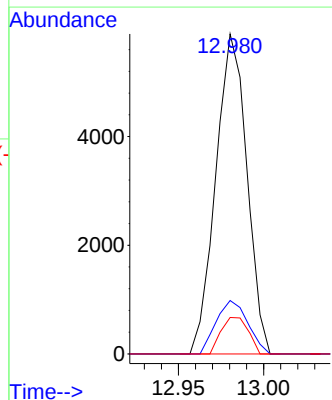
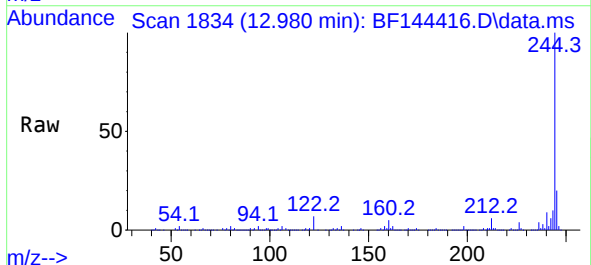
Instrument :
BNA_F
ClientSampleId :
PB170797BL

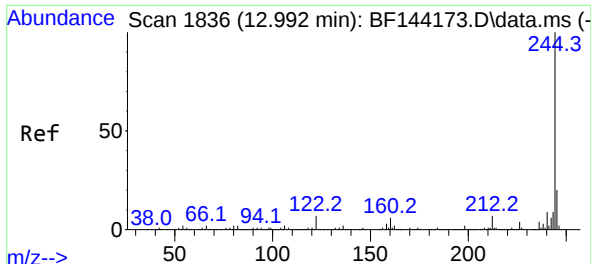
Tgt Ion:240 Resp: 124841
Ion Ratio Lower Upper
240 100
120 8.6 6.6 10.0
236 25.3 21.4 32.2



#77
Benzidine
Concen: 2.025 ng
RT: 12.980 min Scan# 1834
Delta R.T. 0.229 min
Lab File: BF144416.D
Acq: 03 Dec 2025 12:54

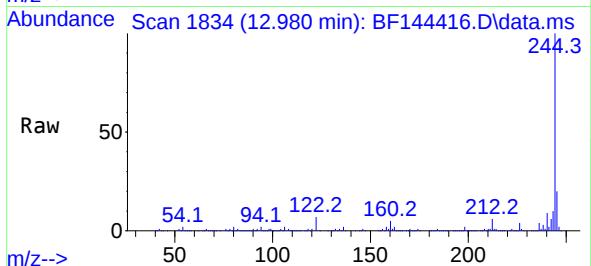
Tgt Ion:184 Resp: 7477
Ion Ratio Lower Upper
184 100
185 16.7 11.7 17.5
183 11.4 8.3 12.5



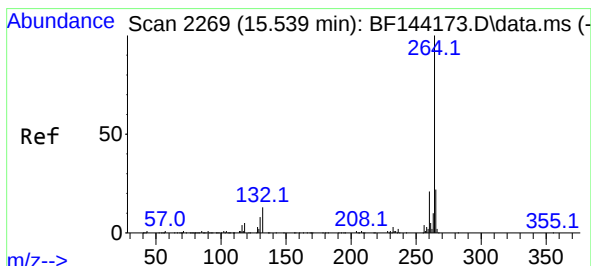
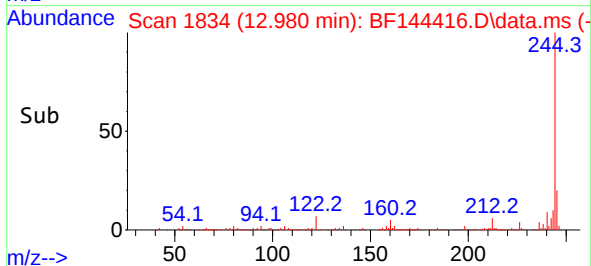
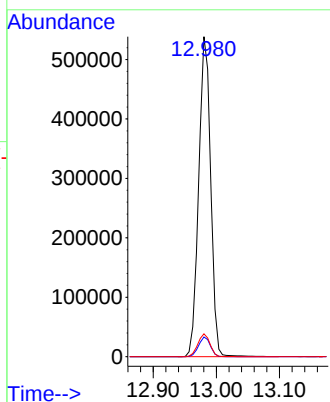


#79
Terphenyl-d14
Concen: 90.342 ng
RT: 12.980 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144416.D
Acq: 03 Dec 2025 12:54

Instrument :
BNA_F
ClientSampleId :
PB170797BL



Tgt Ion:244 Resp: 710045
Ion Ratio Lower Upper
244 100
212 6.2 5.3 7.9
122 7.2 5.6 8.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF144416.D
Acq: 03 Dec 2025 12:54

Tgt Ion:264 Resp: 151129
Ion Ratio Lower Upper
264 100
260 22.5 17.1 25.7
265 21.6 17.4 26.0

