

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
 Data File : BF144361.D
 Acq On : 26 Nov 2025 15:11
 Operator : RC/JU
 Sample : Q3604-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-1

Quant Time: Nov 26 15:31:32 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

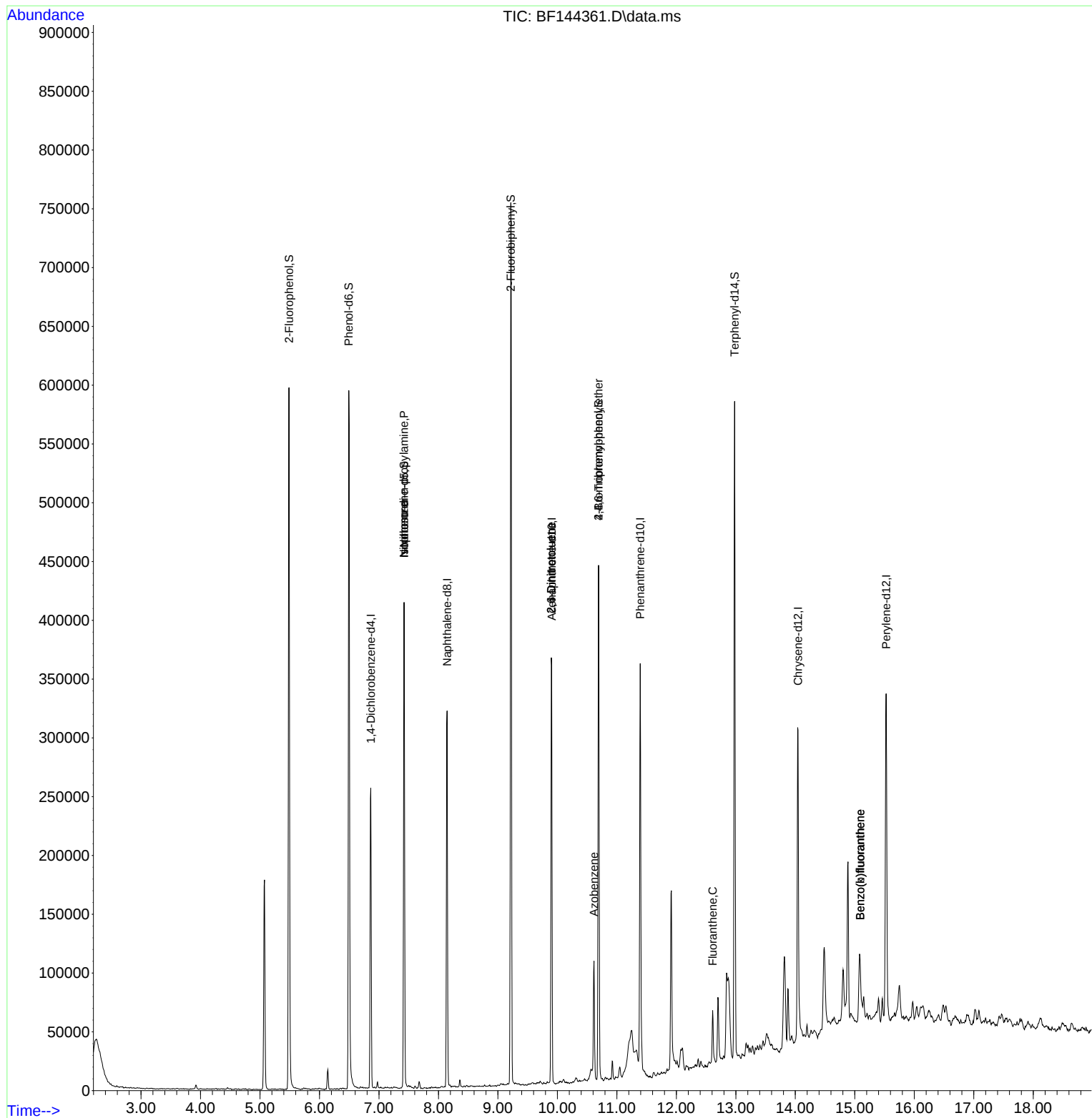
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	56195	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	208707	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	118617	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	181764	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	128075	20.000	ng	0.00
86) Perylene-d12	15.527	264	171476	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	244042	67.959	ng	0.00
7) Phenol-d6	6.493	99	282896	69.526	ng	0.00
23) Nitrobenzene-d5	7.422	82	168766	46.702	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	84715	56.913	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	356132	44.343	ng	-0.01
79) Terphenyl-d14	12.980	244	286464	35.528	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.422	70	23531	8.785	ng	# 77
25) Isophorone	7.422	82	168764	24.690	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	14893	9.362	ng	# 27
57) 2,4-Dinitrotoluene	9.898	165	14893	6.994	ng	# 27
63) Azobenzene	10.616	77	23197	3.441	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	5062	2.182	ng	# 1
75) Fluoranthene	12.610	202	22610	2.419	ng	96
88) Benzo(b)fluoranthene	15.092	252	21811	2.237	ng	# 94
89) Benzo(k)fluoranthene	15.092	252	21811	2.390	ng	# 95

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

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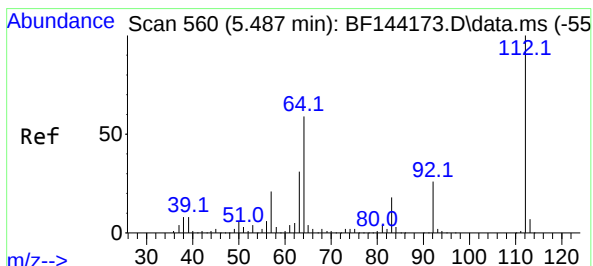
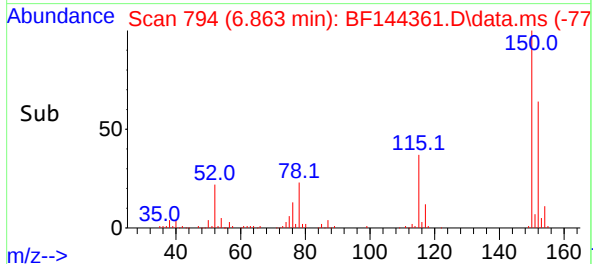
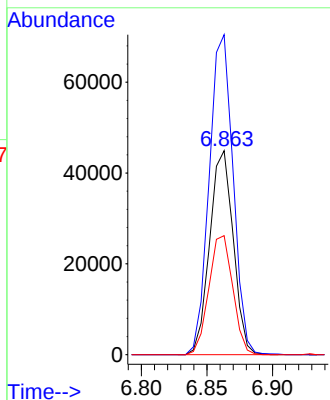
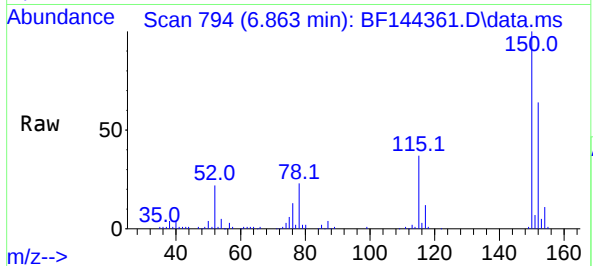




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 794
Delta R.T. -0.012 min
Lab File: BF144361.D
Acq: 26 Nov 2025 15:11

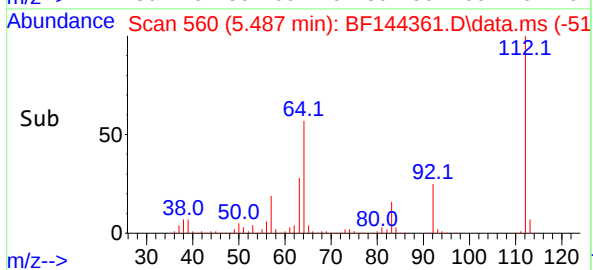
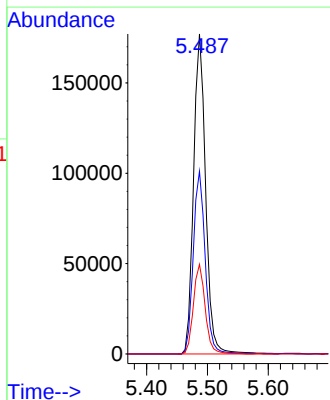
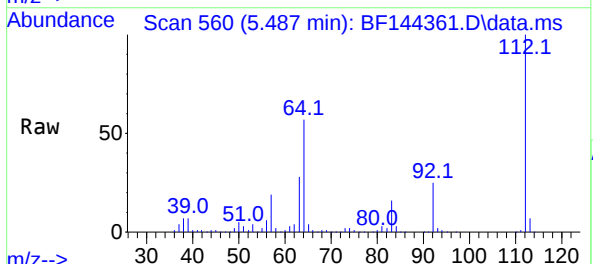
Instrument :
BNA_F
ClientSampleId :
S-1

Tgt Ion:152 Resp: 56195
Ion Ratio Lower Upper
152 100
150 156.9 127.4 191.0
115 58.4 49.5 74.3



#5
2-Fluorophenol
Concen: 67.959 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144361.D
Acq: 26 Nov 2025 15:11

Tgt Ion:112 Resp: 244042
Ion Ratio Lower Upper
112 100
64 57.1 47.2 70.8
63 28.0 24.4 36.6

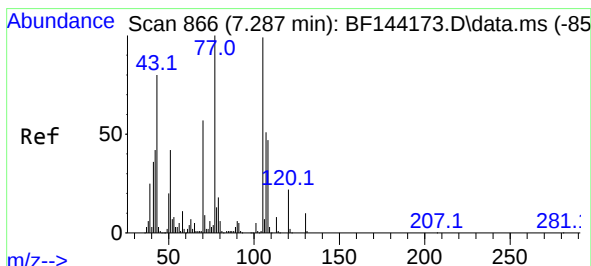
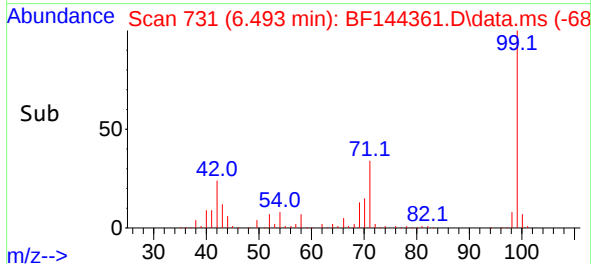
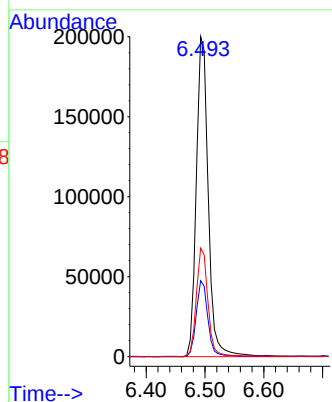
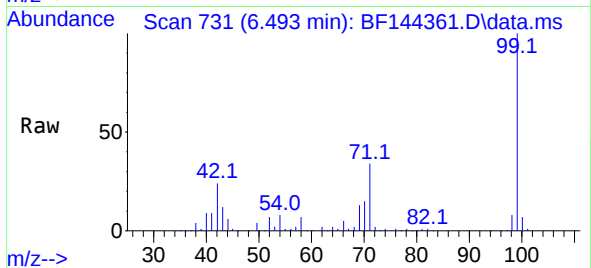




#7
Phenol-d6
Concen: 69.526 ng
RT: 6.493 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF144361.D
Acq: 26 Nov 2025 15:11

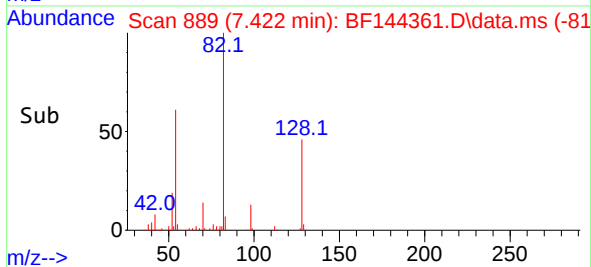
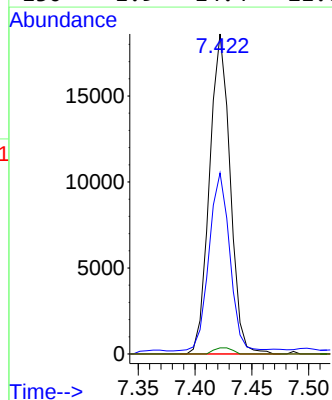
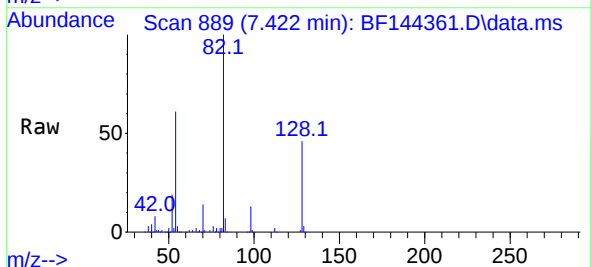
Instrument :
BNA_F
ClientSampleId :
S-1

Tgt Ion: 99 Resp: 282896
Ion Ratio Lower Upper
99 100
42 23.8 20.9 31.3
71 34.0 31.4 47.2



#19
n-Nitroso-di-n-propylamine
Concen: 8.785 ng
RT: 7.422 min Scan# 889
Delta R.T. 0.147 min
Lab File: BF144361.D
Acq: 26 Nov 2025 15:11

Tgt Ion: 70 Resp: 23531
Ion Ratio Lower Upper
70 100
42 56.5 58.3 87.5#
101 0.0 7.0 10.6#
130 1.9 14.4 21.6#



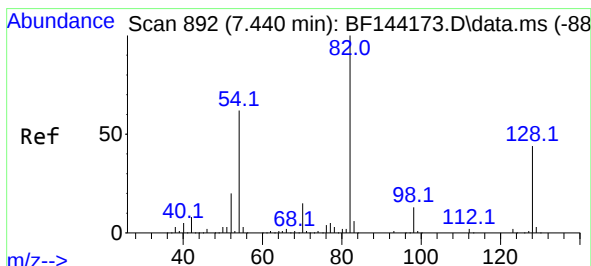
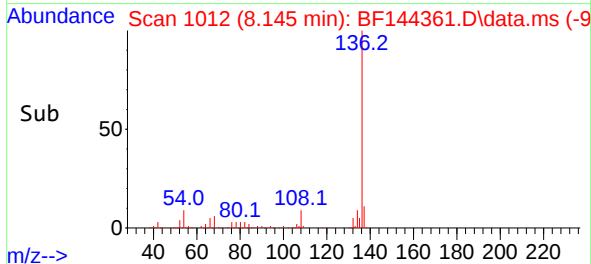
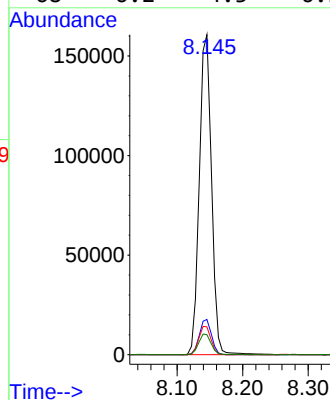
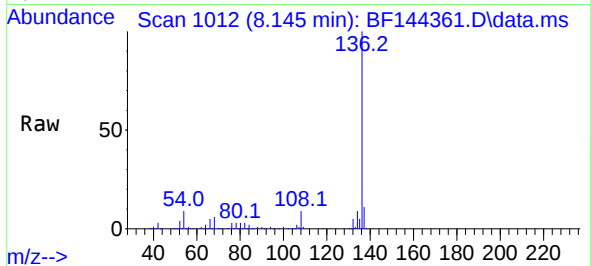


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF144361.D
Acq: 26 Nov 2025 15:11

Instrument :
BNA_F
ClientSampleId :
S-1

Tgt Ion:136 Resp: 208707

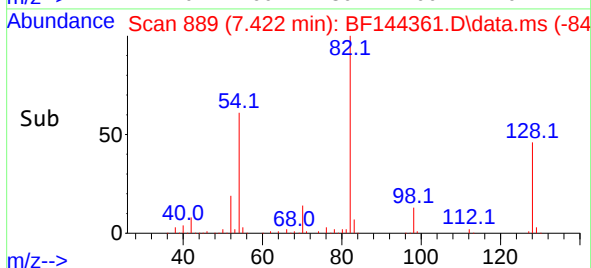
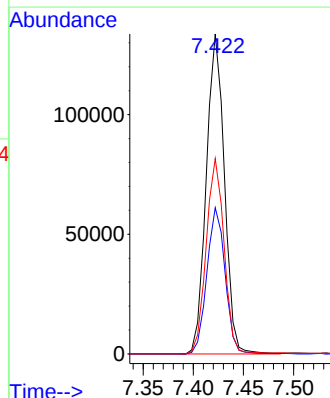
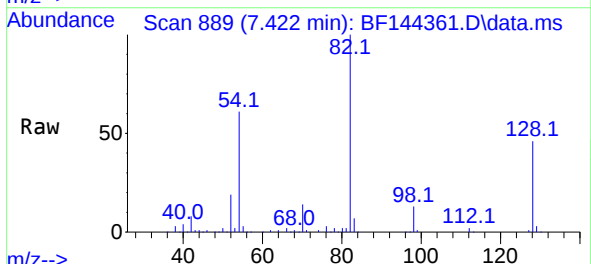
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	8.7	7.0	10.6
68	6.2	4.3	6.5

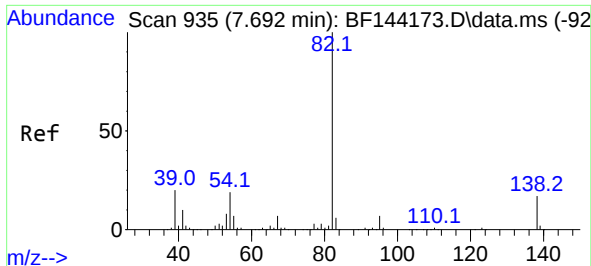


#23
Nitrobenzene-d5
Concen: 46.702 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF144361.D
Acq: 26 Nov 2025 15:11

Tgt Ion: 82 Resp: 168766

Ion	Ratio	Lower	Upper
82	100		
128	45.7	34.7	52.1
54	61.1	49.5	74.3

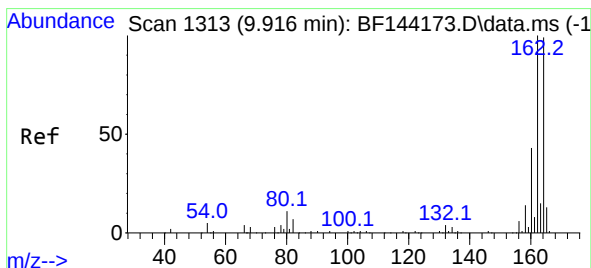
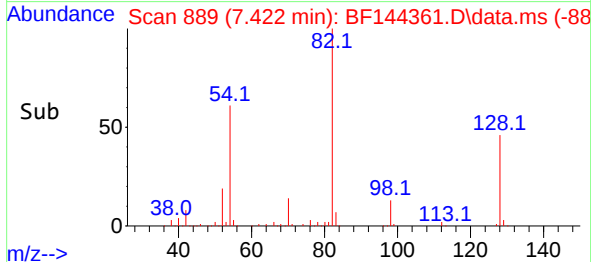
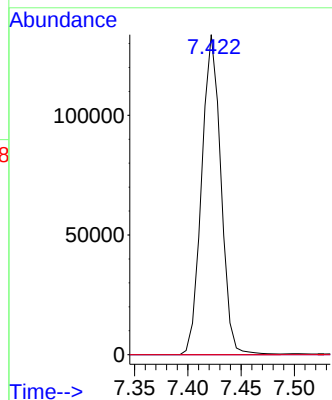
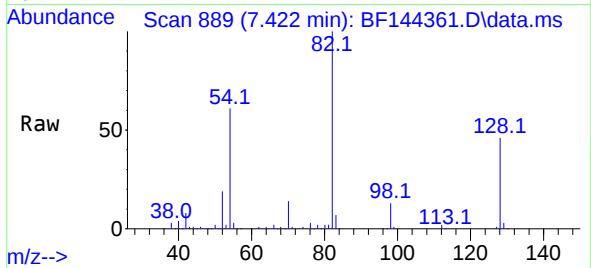




#25
Isophorone
Concen: 24.690 ng
RT: 7.422 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF144361.D
Acq: 26 Nov 2025 15:11

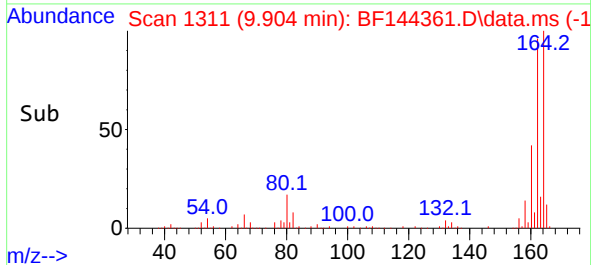
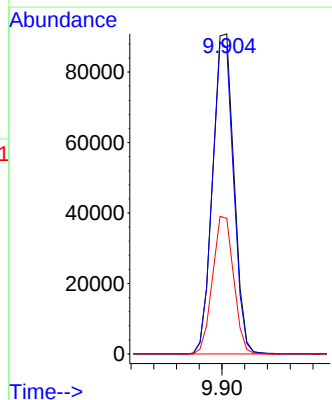
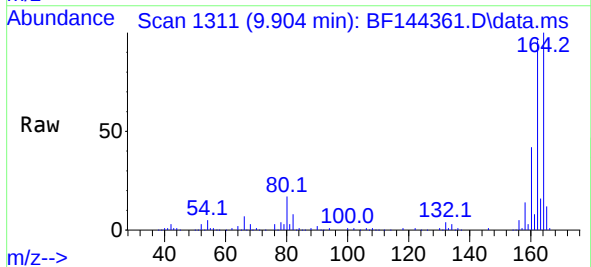
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ClientSampleId :
S-1

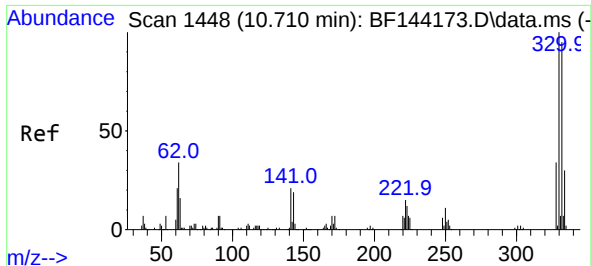
Tgt Ion: 82 Resp: 168764
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF144361.D
Acq: 26 Nov 2025 15:11

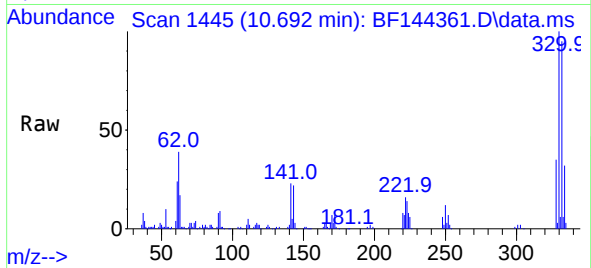
Tgt Ion:164 Resp: 118617
Ion Ratio Lower Upper
164 100
162 95.8 81.1 121.7
160 42.4 34.5 51.7



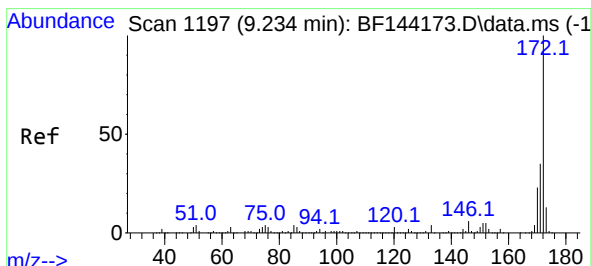
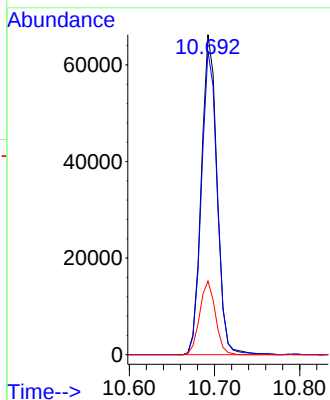
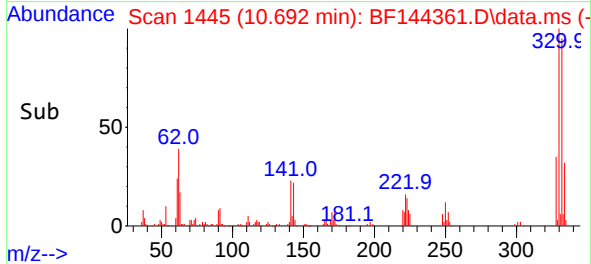


#42
2,4,6-Tribromophenol
Concen: 56.913 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144361.D
Acq: 26 Nov 2025 15:11

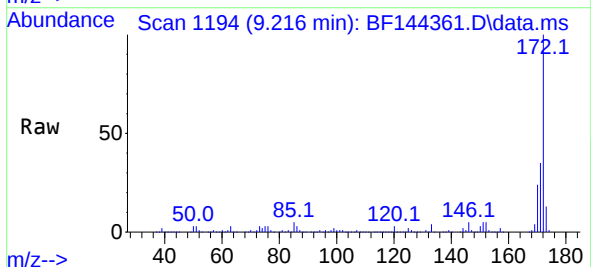
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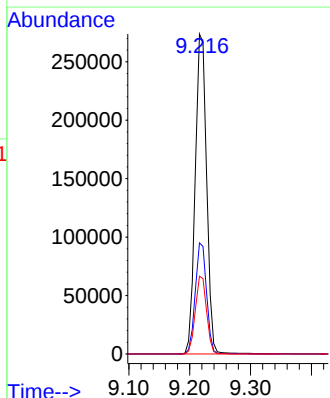
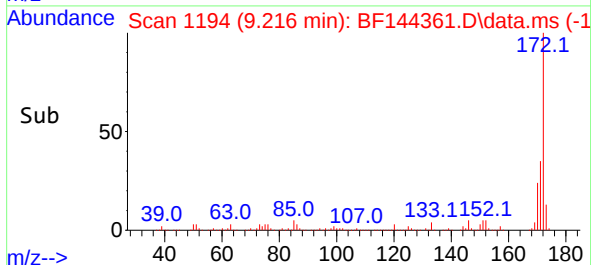
Tgt Ion: 330 Resp: 84715
Ion Ratio Lower Upper
330 100
332 95.0 76.7 115.1
141 22.9 17.8 26.8



#45
2-Fluorobiphenyl
Concen: 44.343 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144361.D
Acq: 26 Nov 2025 15:11



Tgt Ion: 172 Resp: 356132
Ion Ratio Lower Upper
172 100
171 34.7 28.1 42.1
170 24.3 18.6 28.0

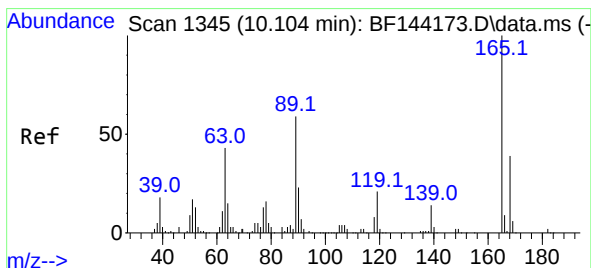
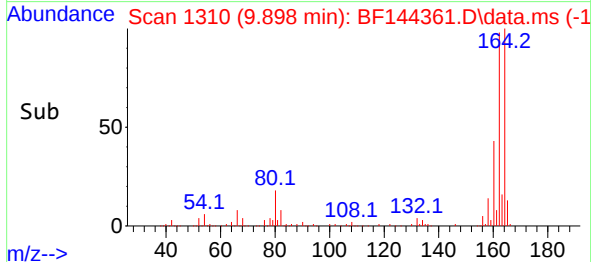
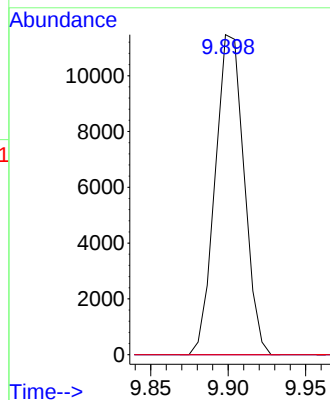
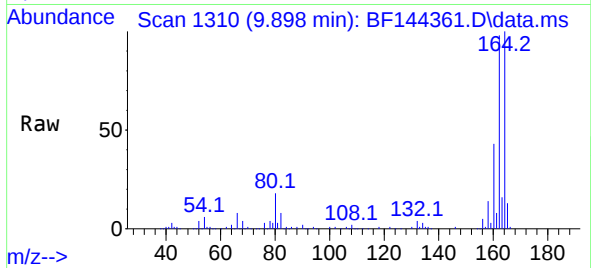




#51
2,6-Dinitrotoluene
Concen: 9.362 ng
RT: 9.898 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF144361.D
Acq: 26 Nov 2025 15:11

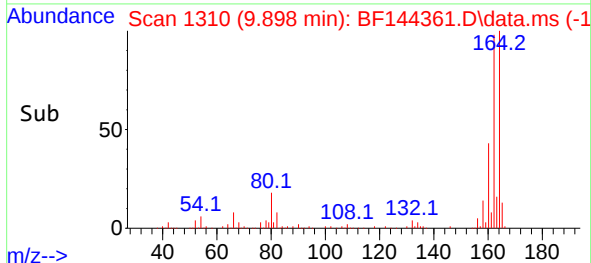
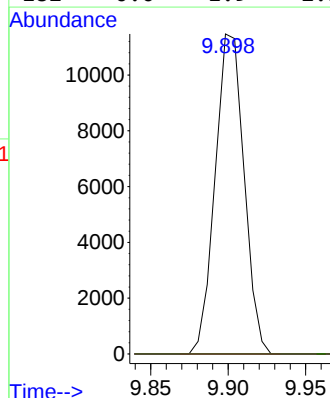
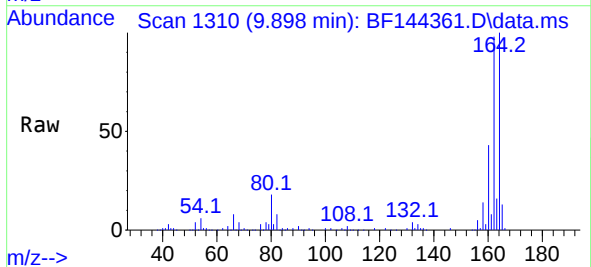
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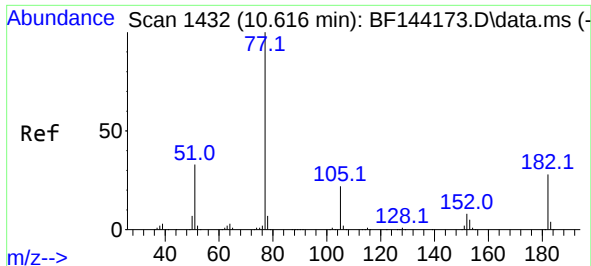
Tgt Ion:165 Resp: 14893
Ion Ratio Lower Upper
165 100
63 0.0 43.8 65.8#
89 0.0 37.5 56.3#



#57
2,4-Dinitrotoluene
Concen: 6.994 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.200 min
Lab File: BF144361.D
Acq: 26 Nov 2025 15:11

Tgt Ion:165 Resp: 14893
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#

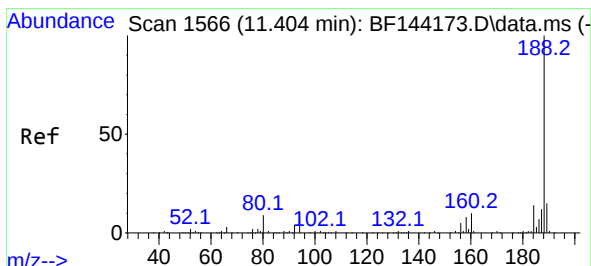
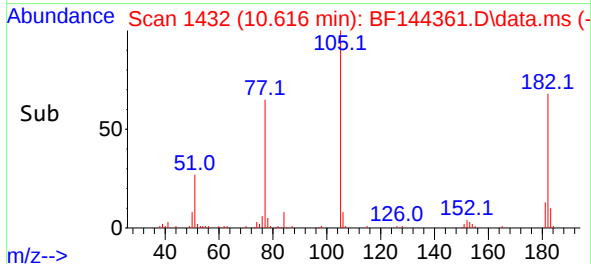
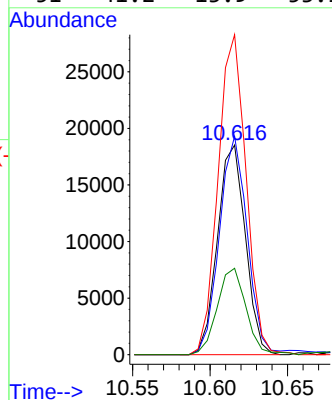
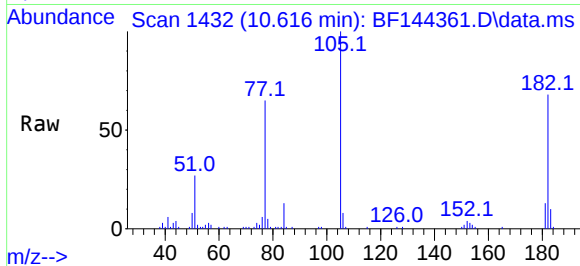




#63
Azobenzene
Concen: 3.441 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF144361.D
Acq: 26 Nov 2025 15:11

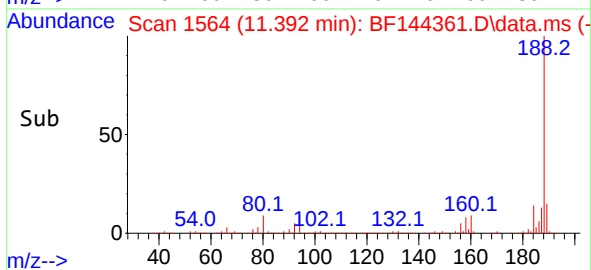
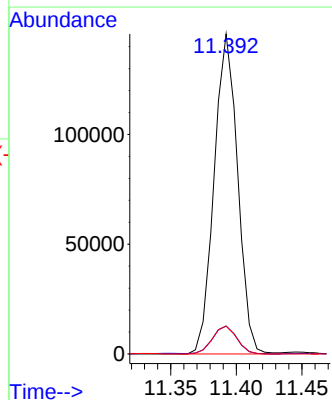
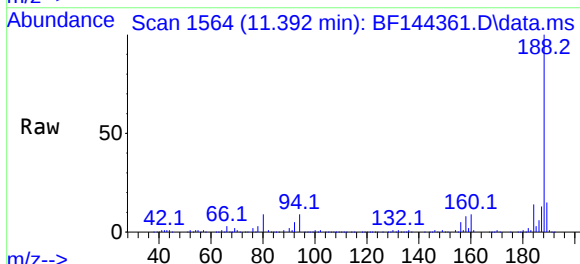
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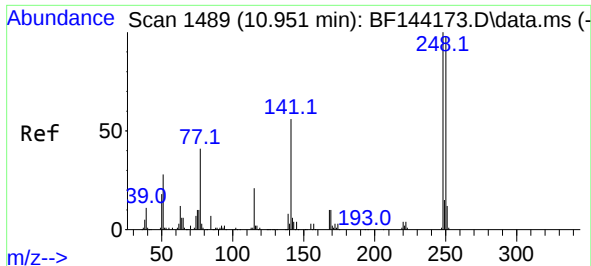
Tgt Ion:	77	Resp:	23197
Ion	Ratio	Lower	Upper
77	100		
182	104.2	8.1	48.1#
105	152.7	2.0	42.0#
51	41.2	13.9	53.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1564
Delta R.T. -0.012 min
Lab File: BF144361.D
Acq: 26 Nov 2025 15:11

Tgt Ion:	188	Resp:	181764
Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.2	9.2
80	8.7	6.9	10.3

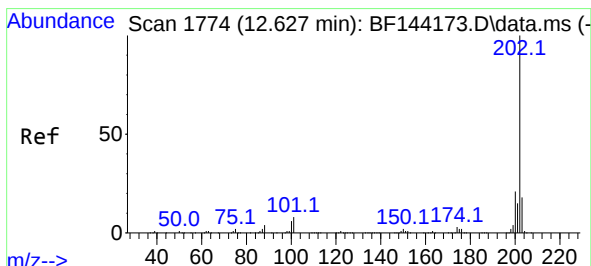
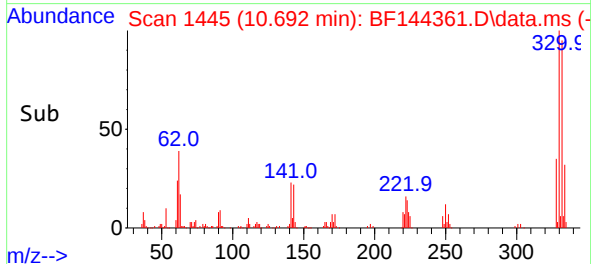
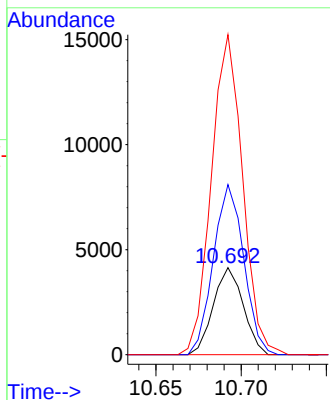
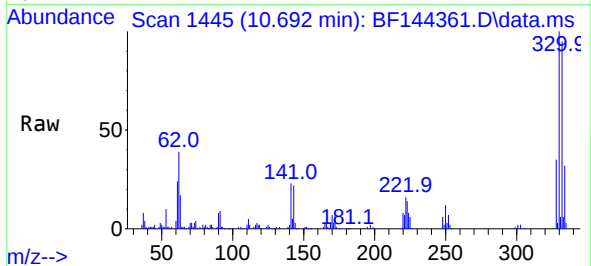




#67
4-Bromophenyl-phenylether
Concen: 2.182 ng
RT: 10.692 min Scan# 1489
Delta R.T. -0.253 min
Lab File: BF144361.D
Acq: 26 Nov 2025 15:11

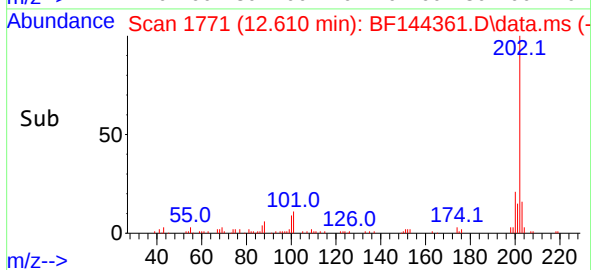
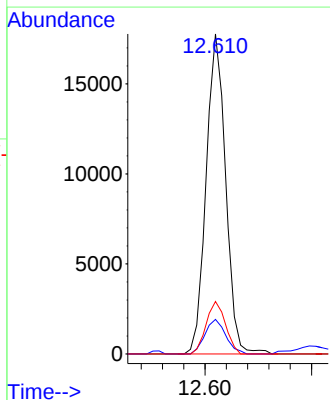
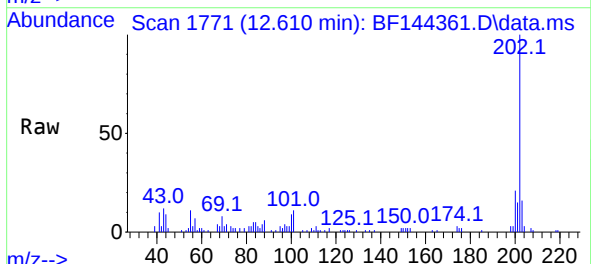
Instrument :
BNA_F
ClientSampleId :
S-1

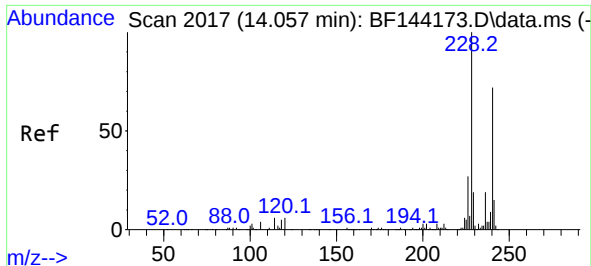
Tgt Ion:248 Resp: 5062
Ion Ratio Lower Upper
248 100
250 195.5 78.4 117.6#
141 367.6 45.1 67.7#



#75
Fluoranthene
Concen: 2.419 ng
RT: 12.610 min Scan# 1771
Delta R.T. -0.012 min
Lab File: BF144361.D
Acq: 26 Nov 2025 15:11

Tgt Ion:202 Resp: 22610
Ion Ratio Lower Upper
202 100
101 10.8 0.0 27.9
203 16.4 0.0 37.5

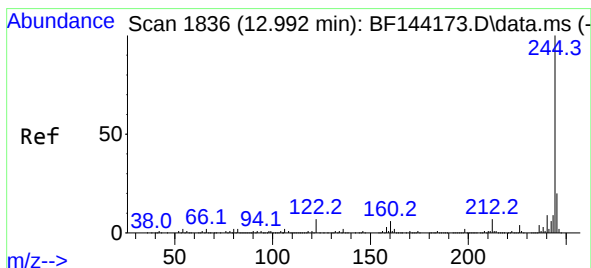
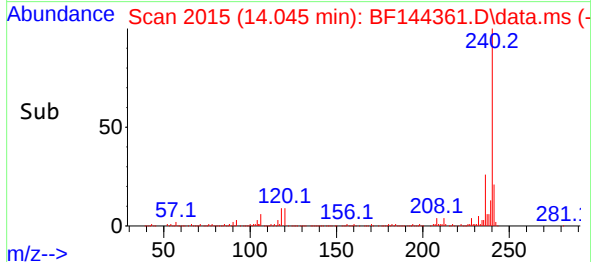
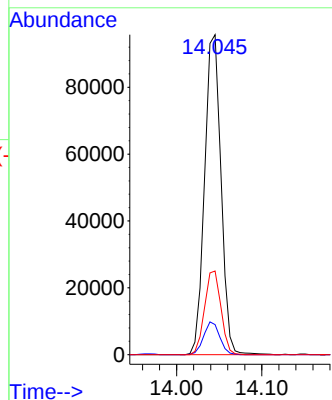
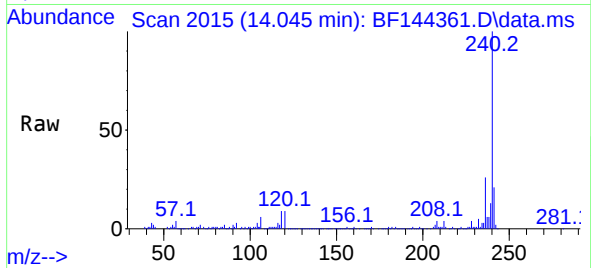




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF144361.D
Acq: 26 Nov 2025 15:11

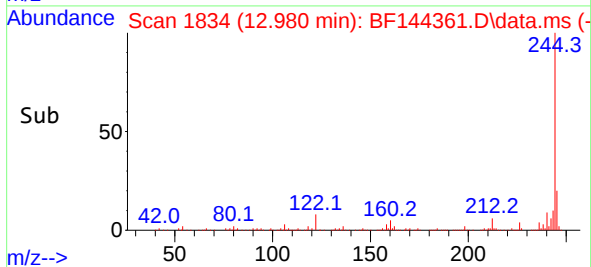
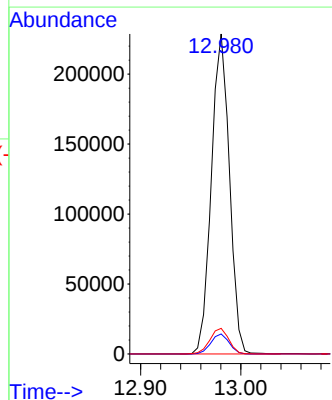
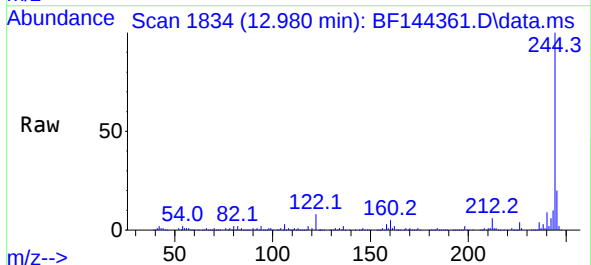
Instrument :
BNA_F
ClientSampleId :
S-1

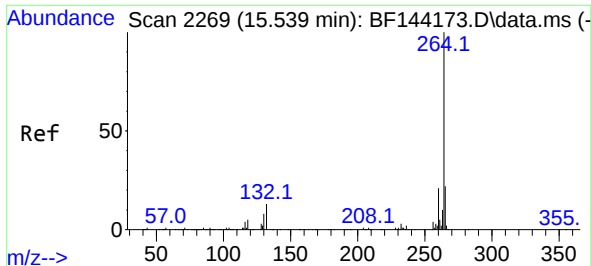
Tgt Ion:240 Resp: 128075
Ion Ratio Lower Upper
240 100
120 9.4 6.6 10.0
236 26.1 21.4 32.2



#79
Terphenyl-d14
Concen: 35.528 ng
RT: 12.980 min Scan# 1834
Delta R.T. -0.012 min
Lab File: BF144361.D
Acq: 26 Nov 2025 15:11

Tgt Ion:244 Resp: 286464
Ion Ratio Lower Upper
244 100
212 6.2 5.3 7.9
122 8.0 5.6 8.4

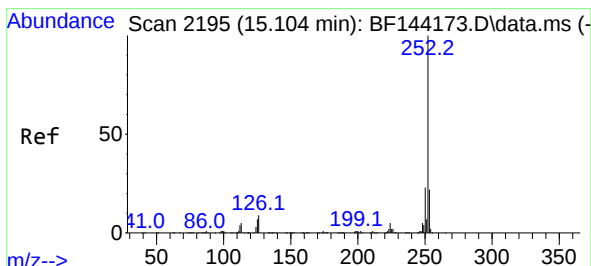
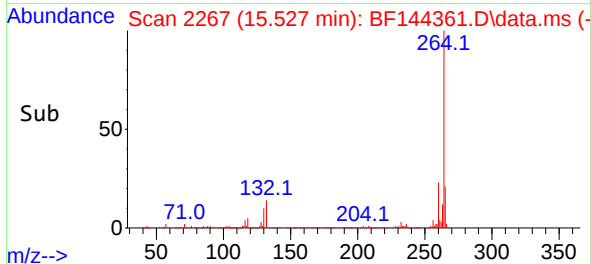
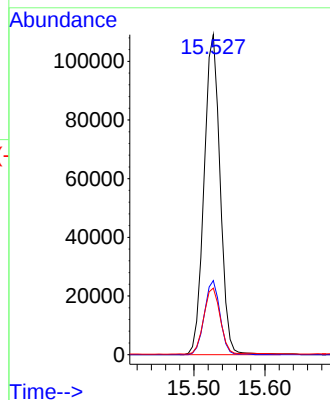
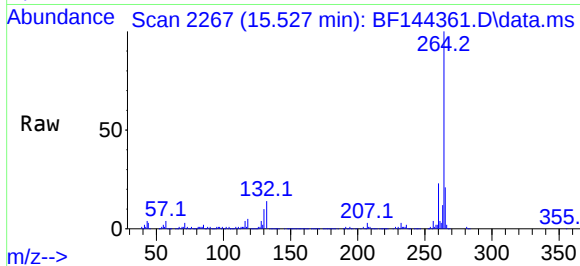




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.527 min Scan# 2193
 Delta R.T. -0.012 min
 Lab File: BF144361.D
 Acq: 26 Nov 2025 15:11

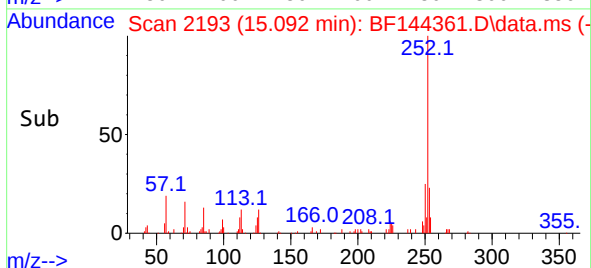
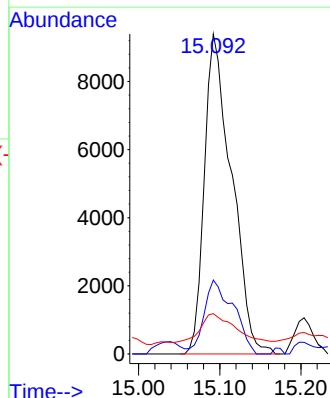
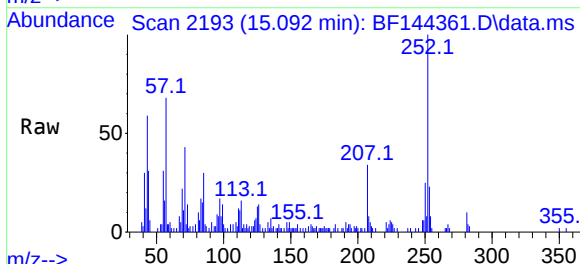
Instrument :
 BNA_F
 ClientSampleId :
 S-1

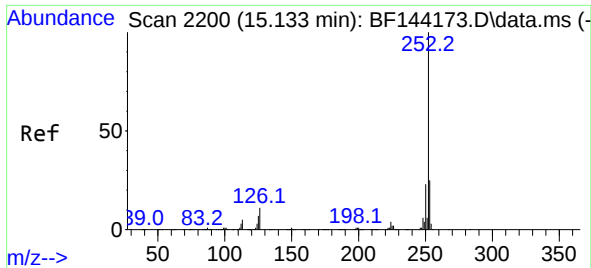
Tgt Ion:264 Resp: 171476
 Ion Ratio Lower Upper
 264 100
 260 23.1 17.1 25.7
 265 20.8 17.4 26.0



#88
 Benzo(b)fluoranthene
 Concen: 2.237 ng
 RT: 15.092 min Scan# 2193
 Delta R.T. -0.006 min
 Lab File: BF144361.D
 Acq: 26 Nov 2025 15:11

Tgt Ion:252 Resp: 21811
 Ion Ratio Lower Upper
 252 100
 253 23.1 17.4 26.2
 125 12.6 5.3 7.9#





#89
Benzo(k)fluoranthene
Concen: 2.390 ng
RT: 15.092 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF144361.D
Acq: 26 Nov 2025 15:11

Instrument :
BNA_F
ClientSampleId :
S-1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	12.6	5.4	8.2

