

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111925\
 Data File : BF144280.D
 Acq On : 19 Nov 2025 15:25
 Operator : RC/JU
 Sample : Q3618-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EME-TOP-SOIL

Quant Time: Nov 19 15:44:45 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)

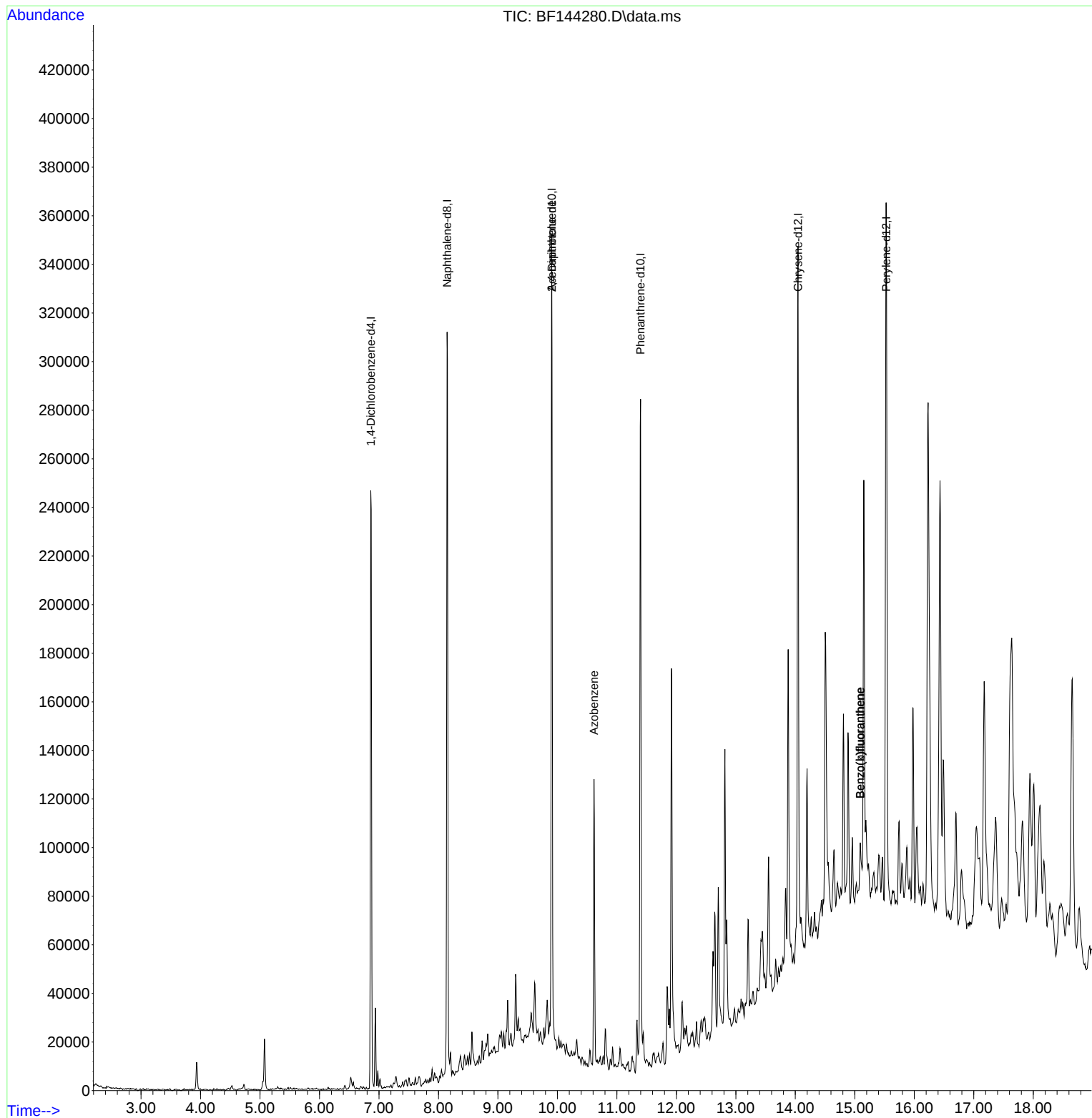
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	55319	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	201143	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	103016	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	153392	20.000	ng	0.00
76) Chrysene-d12	14.045	240	144221	20.000	ng	0.00
86) Perylene-d12	15.527	264	156458	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	258	0.073	ng	0.02
7) Phenol-d6	6.510	99	739	0.184	ng	0.01
23) Nitrobenzene-d5	7.433	82	1071	0.308	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	118	0.091	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	2561	0.367	ng	0.00
79) Terphenyl-d14	12.980	244	3008	0.331	ng	-0.01
Target Compounds						
					Qvalue	
57) 2,4-Dinitrotoluene	9.904	165	13959	7.548	ng	# 27
63) Azobenzene	10.616	77	30584	5.223	ng	# 1
88) Benzo(b)fluoranthene	15.092	252	19409	2.182	ng	# 84
89) Benzo(k)fluoranthene	15.092	252	19409	2.331	ng	# 86

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

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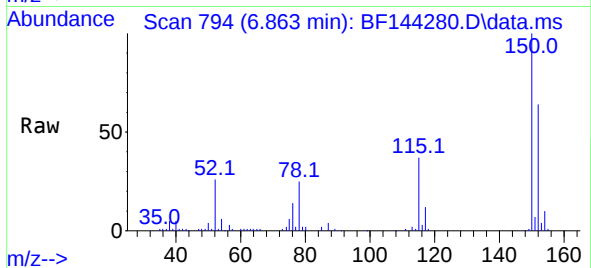
Quant Time: Nov 19 15:44:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
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QLast Update : Wed Nov 05 18:37:33 2025
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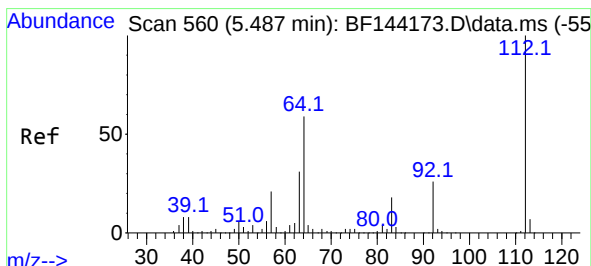
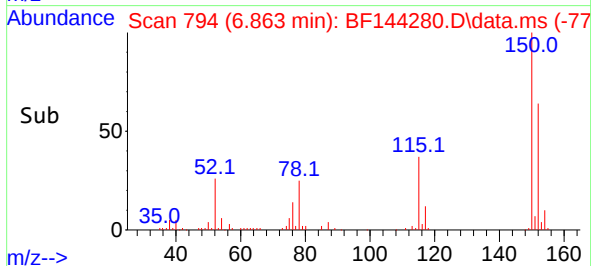
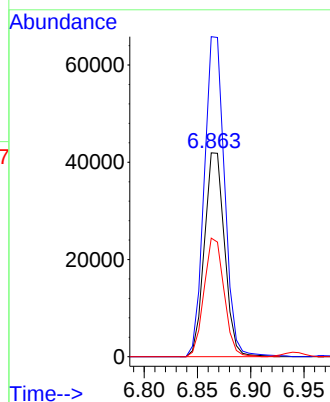


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144280.D
Acq: 19 Nov 2025 15:25

Instrument :
BNA_F
ClientSampleId :
EME-TOP-SOIL

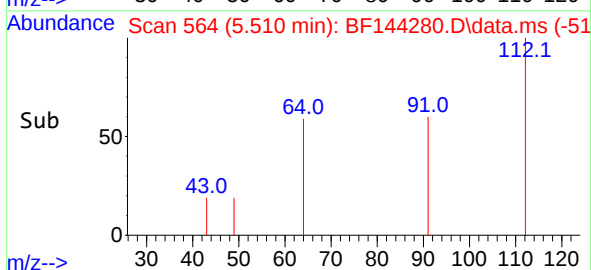
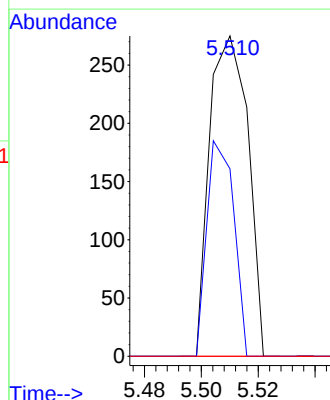
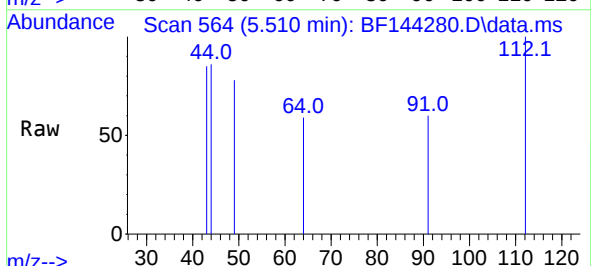


Tgt Ion:152 Resp: 55319
Ion Ratio Lower Upper
152 100
150 156.9 127.4 191.0
115 58.1 49.5 74.3



#5
2-Fluorophenol
Concen: 0.073 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.017 min
Lab File: BF144280.D
Acq: 19 Nov 2025 15:25

Tgt Ion:112 Resp: 258
Ion Ratio Lower Upper
112 100
64 58.5 47.2 70.8
63 0.0 24.4 36.6

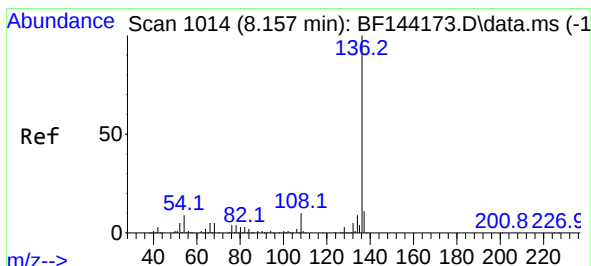
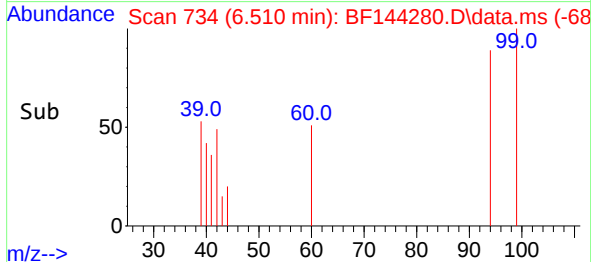
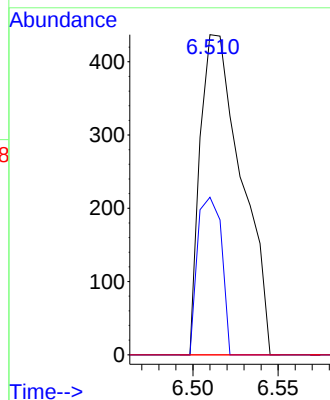
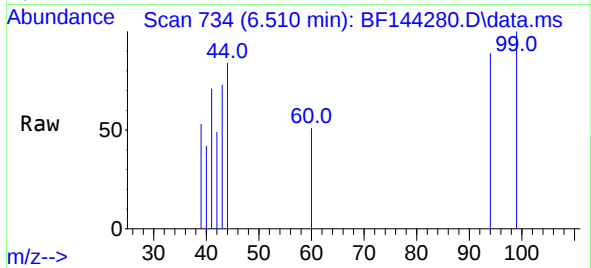




#7
Phenol-d6
Concen: 0.184 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.012 min
Lab File: BF144280.D
Acq: 19 Nov 2025 15:25

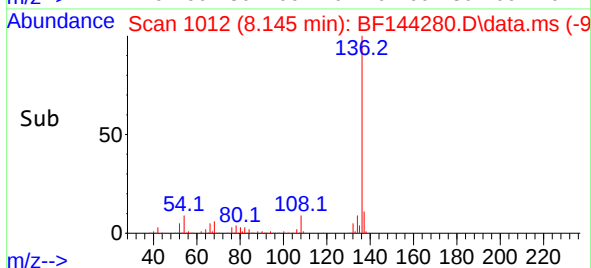
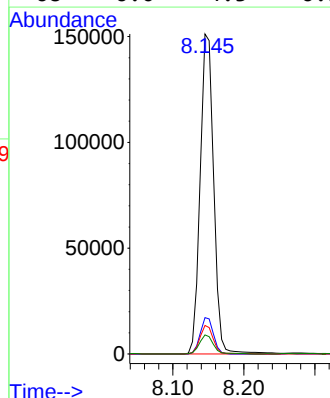
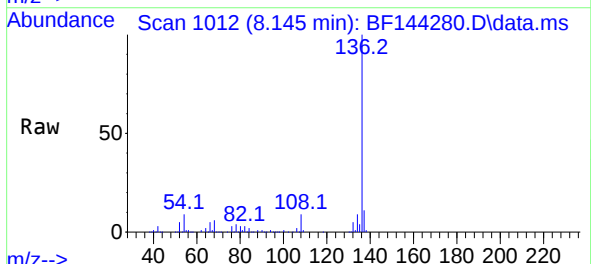
Instrument :
BNA_F
ClientSampleId :
EME-TOP-SOIL

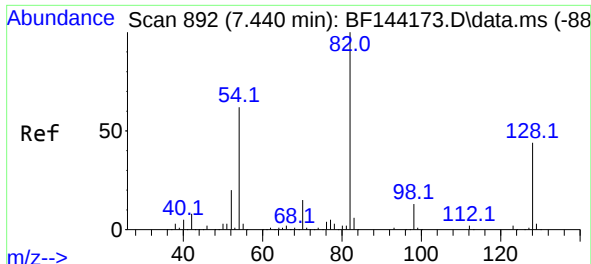
Tgt Ion: 99 Resp: 739
Ion Ratio Lower Upper
99 100
42 49.2 20.9 31.3#
71 0.0 31.4 47.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144280.D
Acq: 19 Nov 2025 15:25

Tgt Ion: 136 Resp: 201143
Ion Ratio Lower Upper
136 100
137 11.4 8.6 13.0
54 8.9 7.0 10.6
68 6.0 4.3 6.5

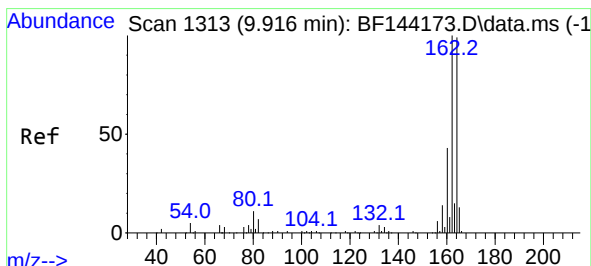
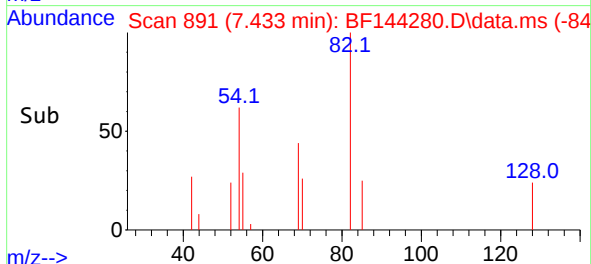
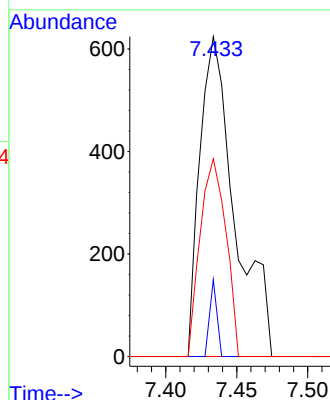
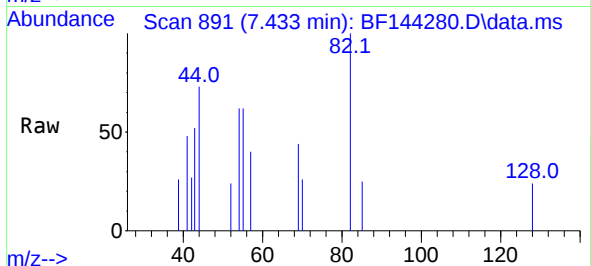




#23
Nitrobenzene-d5
Concen: 0.308 ng
RT: 7.433 min Scan# 89
Delta R.T. -0.000 min
Lab File: BF144280.D
Acq: 19 Nov 2025 15:25

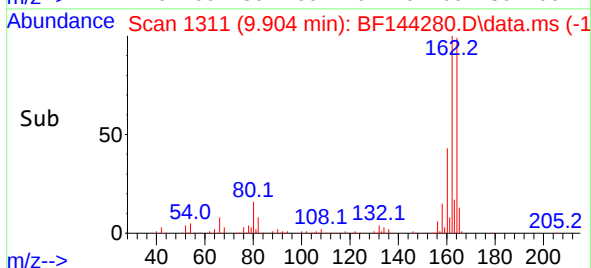
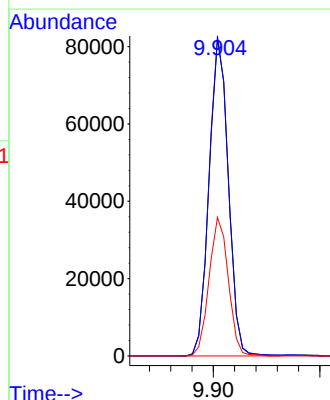
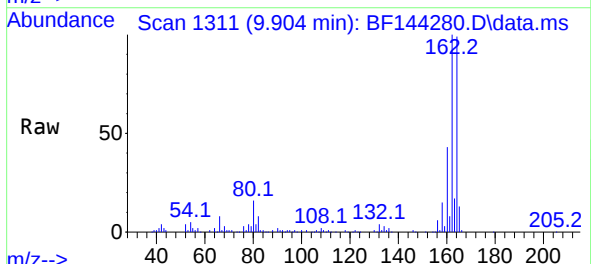
Instrument :
BNA_F
ClientSampleId :
EME-TOP-SOIL

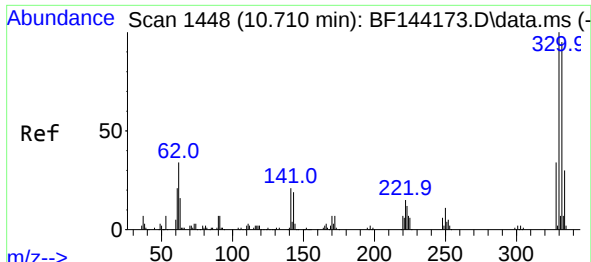
Tgt Ion: 82 Resp: 1071
Ion Ratio Lower Upper
82 100
128 24.0 34.7 52.1#
54 61.9 49.5 74.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF144280.D
Acq: 19 Nov 2025 15:25

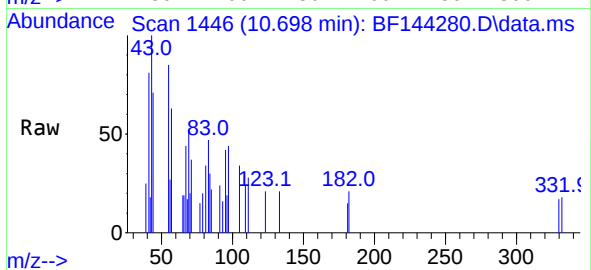
Tgt Ion:164 Resp: 103016
Ion Ratio Lower Upper
164 100
162 101.0 81.1 121.7
160 43.7 34.5 51.7



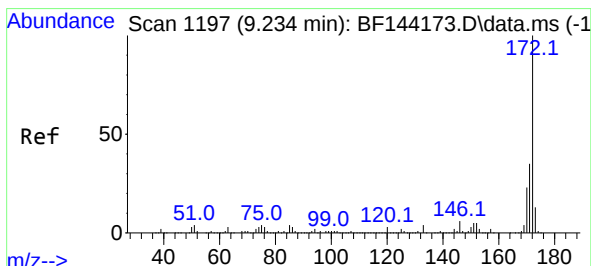
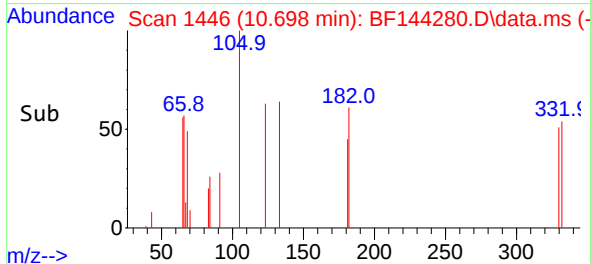
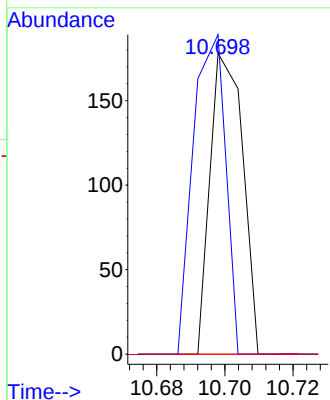


#42
2,4,6-Tribromophenol
Concen: 0.091 ng
RT: 10.698 min Scan# 1446
Delta R.T. -0.006 min
Lab File: BF144280.D
Acq: 19 Nov 2025 15:25

Instrument :
BNA_F
ClientSampleId :
EME-TOP-SOIL

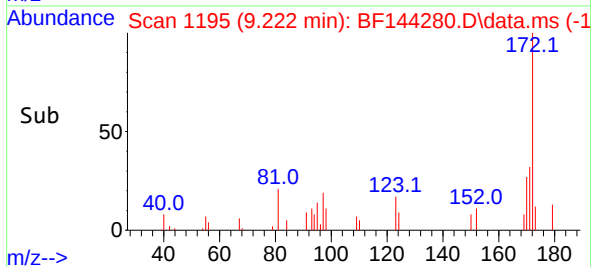
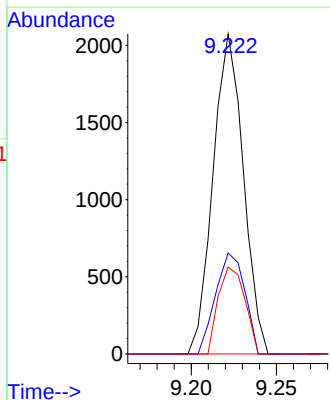
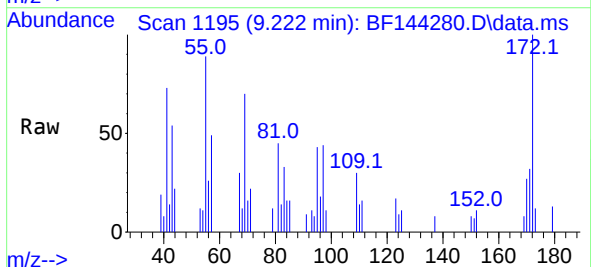


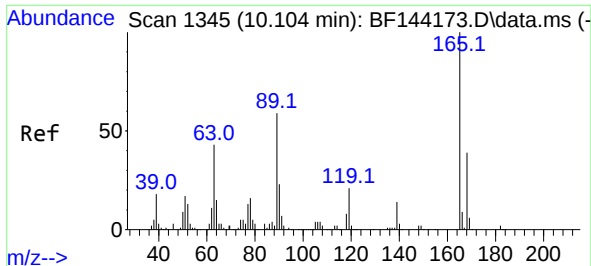
Tgt Ion:330 Resp: 118
Ion Ratio Lower Upper
330 100
332 105.1 76.7 115.1
141 0.0 17.8 26.8#



#45
2-Fluorobiphenyl
Concen: 0.367 ng
RT: 9.222 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF144280.D
Acq: 19 Nov 2025 15:25

Tgt Ion:172 Resp: 2561
Ion Ratio Lower Upper
172 100
171 31.6 28.1 42.1
170 27.1 18.6 28.0

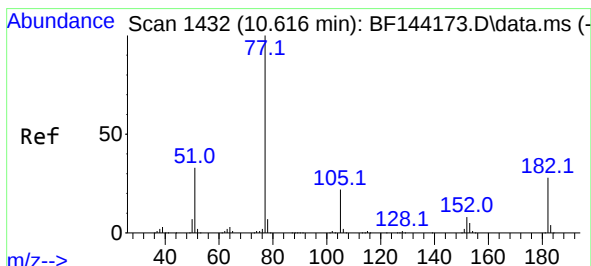
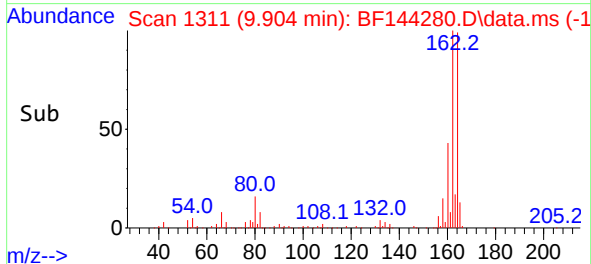
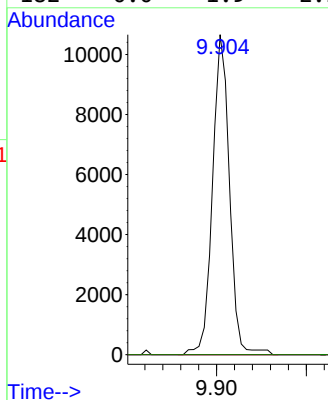
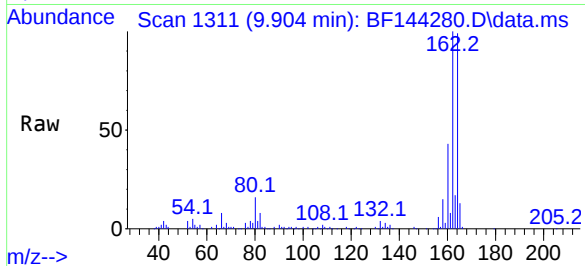




#57
2,4-Dinitrotoluene
Concen: 7.548 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF144280.D
Acq: 19 Nov 2025 15:25

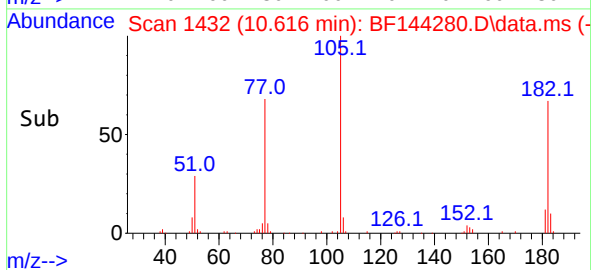
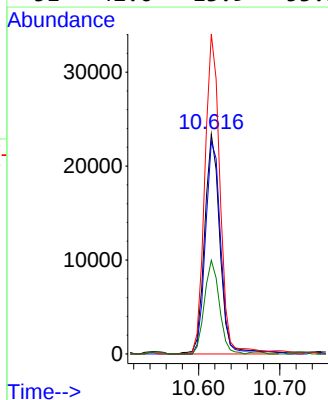
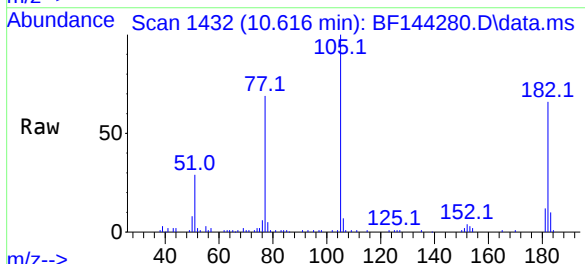
Instrument :
BNA_F
ClientSampleId :
EME-TOP-SOIL

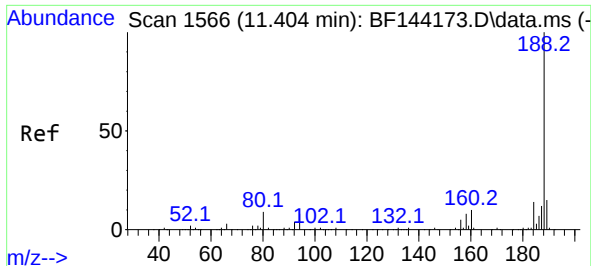
Tgt Ion:165 Resp: 13959
Ion Ratio Lower Upper
165 100
63 0.0 35.5 53.3#
89 0.0 47.4 71.2#
182 0.0 1.9 2.9#



#63
Azobenzene
Concen: 5.223 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF144280.D
Acq: 19 Nov 2025 15:25

Tgt Ion: 77 Resp: 30584
Ion Ratio Lower Upper
77 100
182 96.7 8.1 48.1#
105 145.6 2.0 42.0#
51 42.6 13.9 53.9

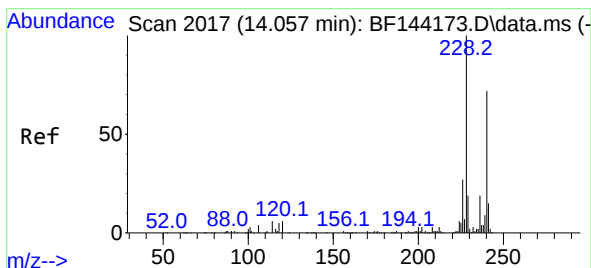
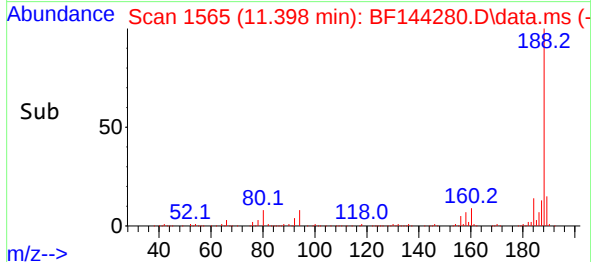
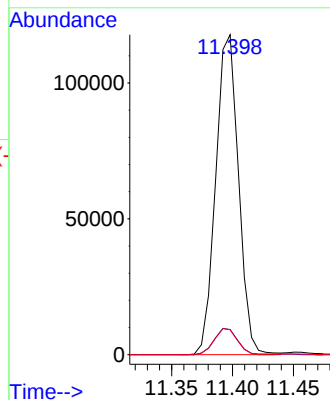
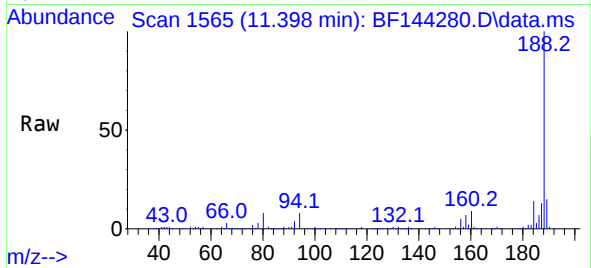




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144280.D
Acq: 19 Nov 2025 15:25

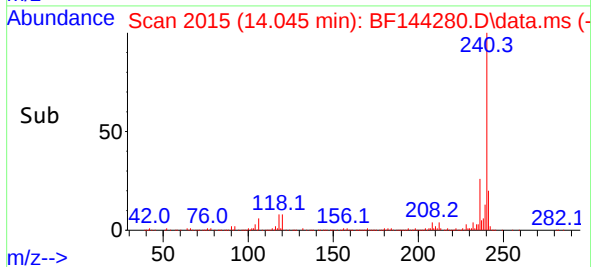
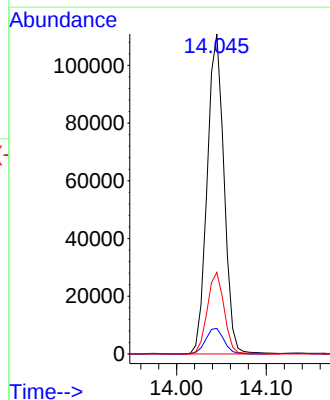
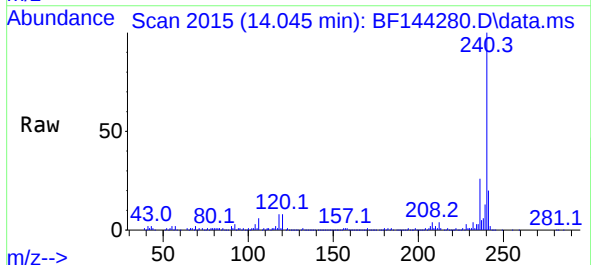
Instrument :
BNA_F
ClientSampleId :
EME-TOP-SOIL

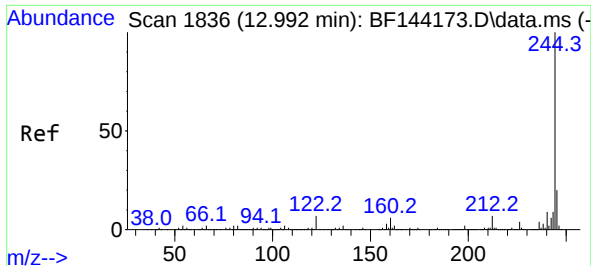
Tgt Ion:188 Resp: 153392
Ion Ratio Lower Upper
188 100
94 7.9 6.2 9.2
80 7.8 6.9 10.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF144280.D
Acq: 19 Nov 2025 15:25

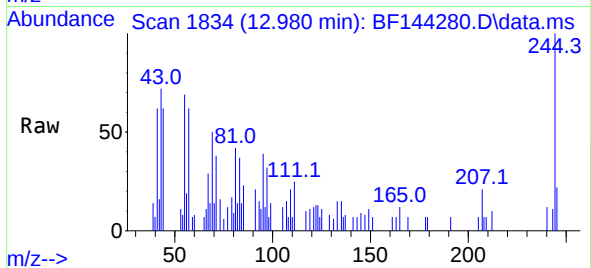
Tgt Ion:240 Resp: 144221
Ion Ratio Lower Upper
240 100
120 8.0 6.6 10.0
236 25.5 21.4 32.2



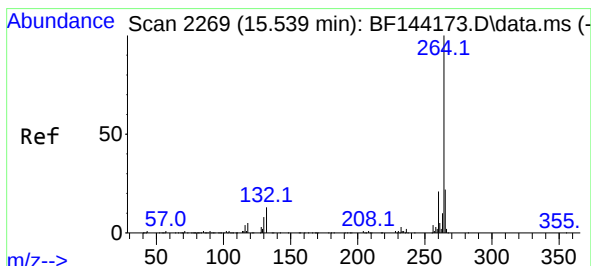
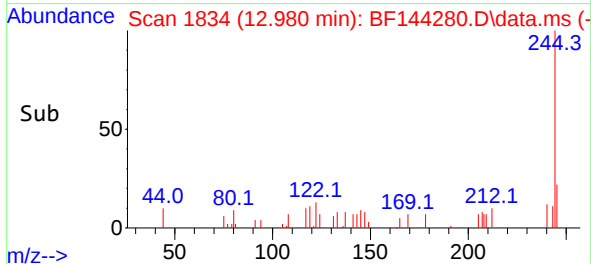
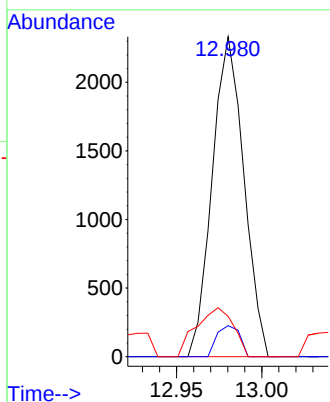


#79
Terphenyl-d14
Concen: 0.331 ng
RT: 12.980 min Scan# 1834
Delta R.T. -0.012 min
Lab File: BF144280.D
Acq: 19 Nov 2025 15:25

Instrument :
BNA_F
ClientSampleId :
EME-TOP-SOIL

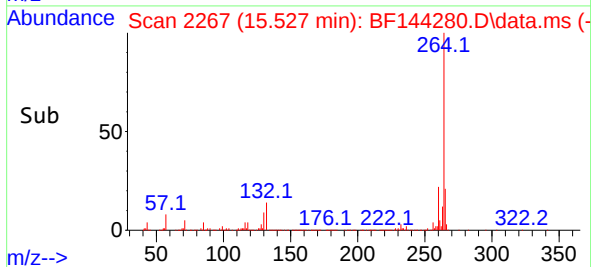
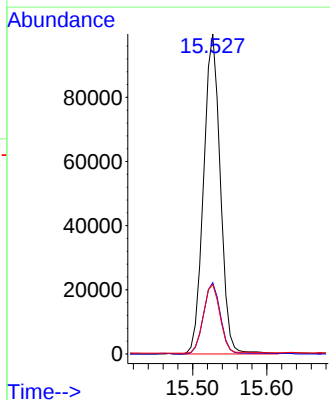
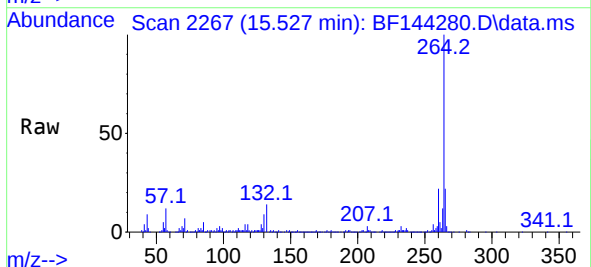


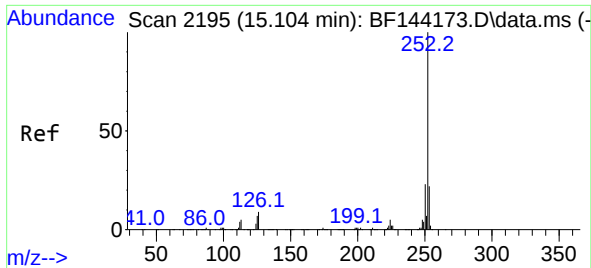
Tgt Ion:244 Resp: 3008
Ion Ratio Lower Upper
244 100
212 9.7 5.3 7.9#
122 12.6 5.6 8.4#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF144280.D
Acq: 19 Nov 2025 15:25

Tgt Ion:264 Resp: 156458
Ion Ratio Lower Upper
264 100
260 22.3 17.1 25.7
265 21.7 17.4 26.0

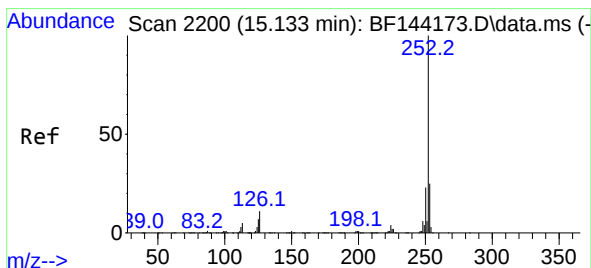
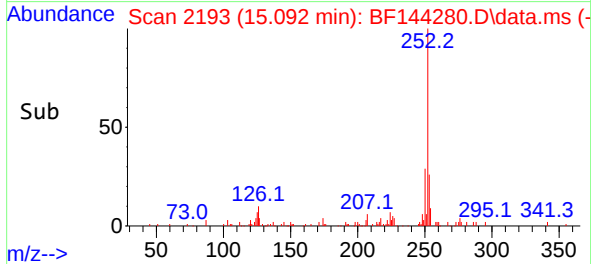
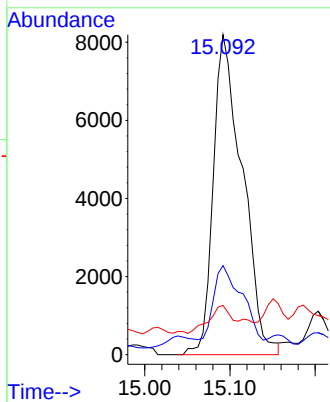
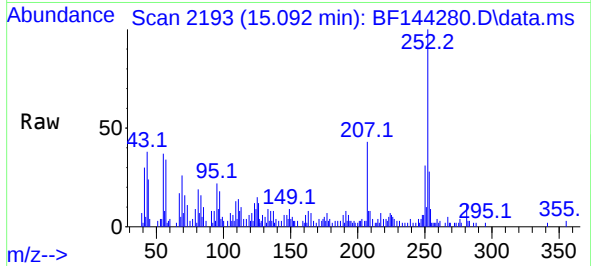




#88
Benzo(b)fluoranthene
Concen: 2.182 ng
RT: 15.092 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF144280.D
Acq: 19 Nov 2025 15:25

Instrument :
BNA_F
ClientSampleId :
EME-TOP-SOIL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.8	17.4	26.2#
125	15.4	5.3	7.9#



#89
Benzo(k)fluoranthene
Concen: 2.331 ng
RT: 15.092 min Scan# 2193
Delta R.T. -0.036 min
Lab File: BF144280.D
Acq: 19 Nov 2025 15:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.8	18.0	27.0#
125	15.4	5.4	8.2#

