

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091125\
 Data File : BF143711.D
 Acq On : 11 Sep 2025 17:30
 Operator : RC/JU
 Sample : Q3032-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-1

Quant Time: Sep 11 17:50:29 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 09 15:20:16 2025
 Response via : Initial Calibration

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

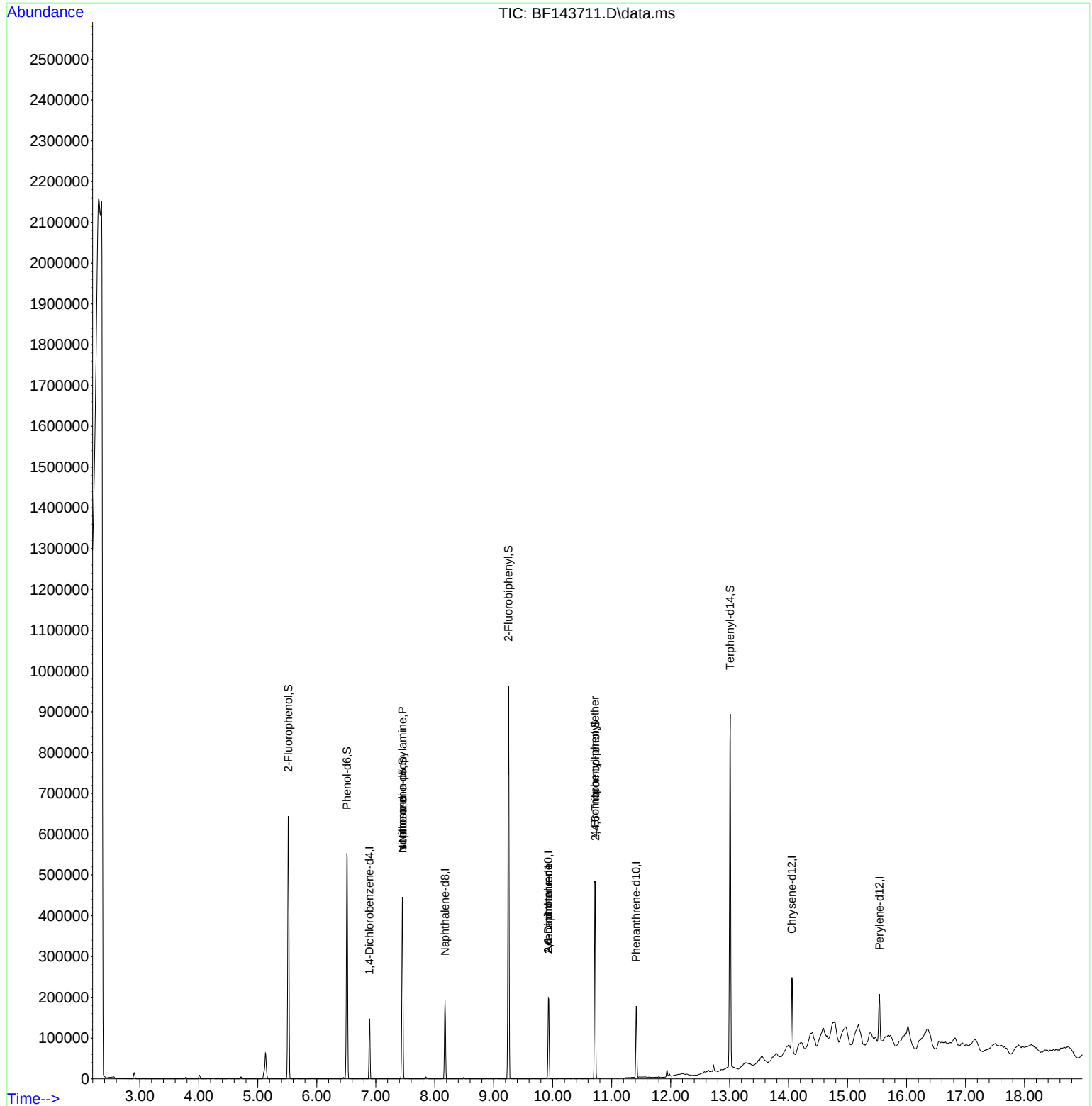
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	33623	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	122515	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	63838	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	93833	20.000	ng	0.00
76) Chrysene-d12	14.057	240	88396	20.000	ng	0.01
86) Perylene-d12	15.539	264	72226	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	259721	131.791	ng	0.02
7) Phenol-d6	6.510	99	293256	122.214	ng	0.00
23) Nitrobenzene-d5	7.451	82	204215	103.679	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	91447	142.143	ng	0.01
45) 2-Fluorobiphenyl	9.251	172	448057	106.025	ng	0.00
79) Terphenyl-d14	13.010	244	442618	81.143	ng	0.02
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	26857	18.224	ng	# 80
25) Isophorone	7.451	82	204076	54.032	ng	# 64
51) 2,6-Dinitrotoluene	9.927	165	8226	10.358	ng	# 27
57) 2,4-Dinitrotoluene	9.927	165	8226	7.611	ng	# 27
67) 4-Bromophenyl-phenylether	10.716	248	6041	5.339	ng	# 1

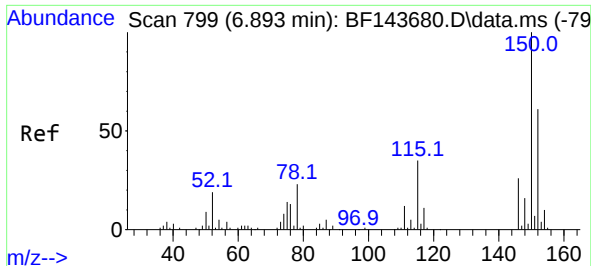
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 09 15:20:16 2025
Response via : Initial Calibration

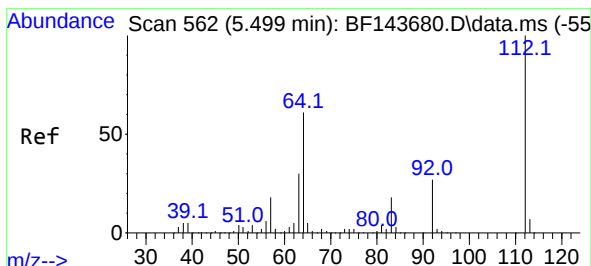
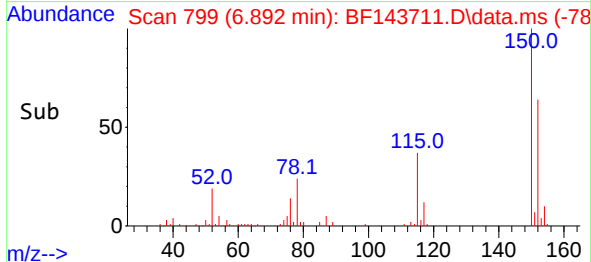
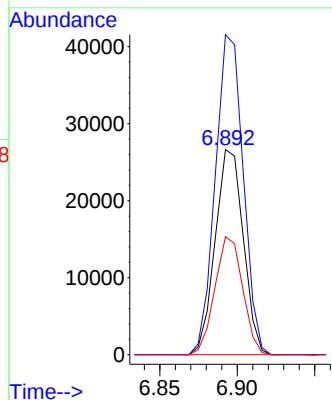
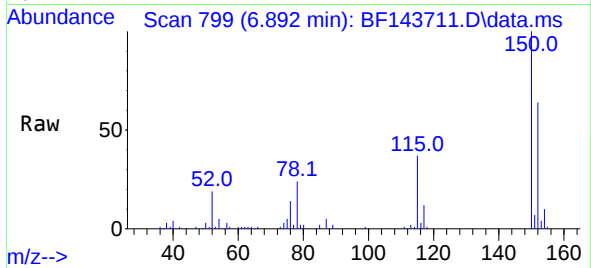




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. -0.001 min
Lab File: BF143711.D
Acq: 11 Sep 2025 17:30

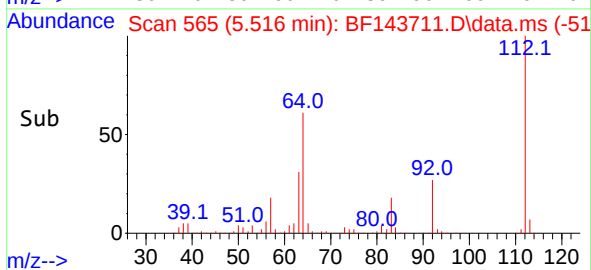
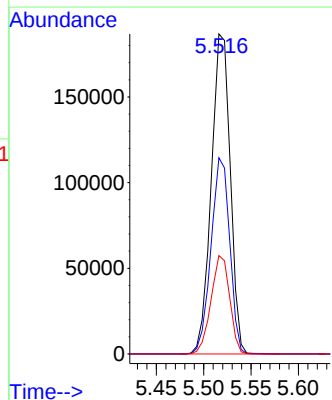
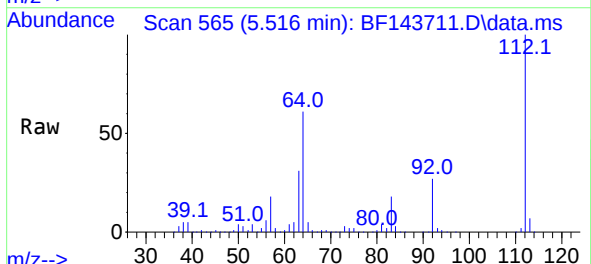
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1

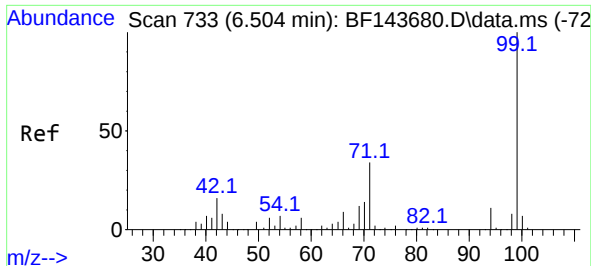
Tgt Ion:152 Resp: 33623
Ion Ratio Lower Upper
152 100
150 156.1 130.7 196.1
115 57.6 45.9 68.9



#5
2-Fluorophenol
Concen: 131.791 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.017 min
Lab File: BF143711.D
Acq: 11 Sep 2025 17:30

Tgt Ion:112 Resp: 259721
Ion Ratio Lower Upper
112 100
64 61.3 49.0 73.4
63 30.8 24.3 36.5

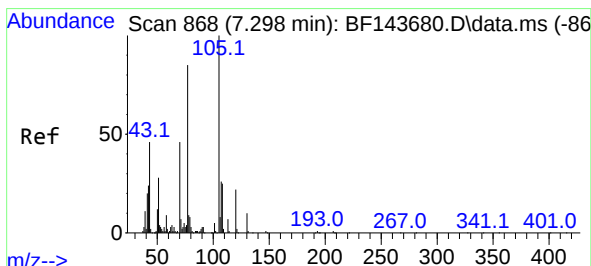
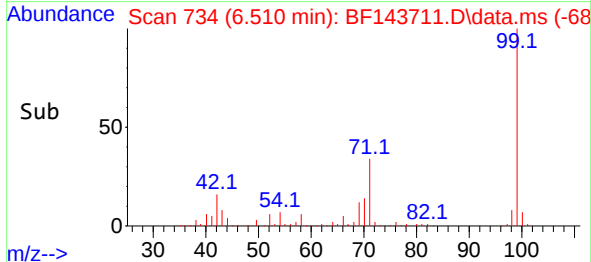
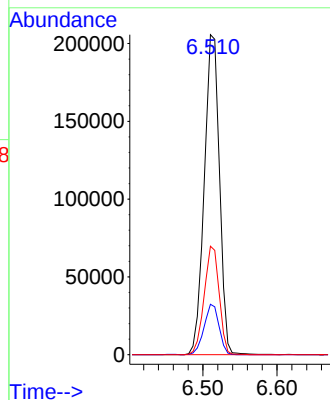
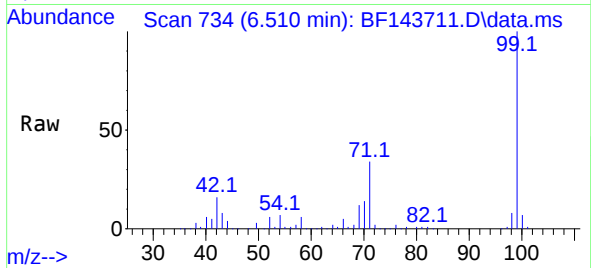




#7
Phenol-d6
Concen: 122.214 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF143711.D
Acq: 11 Sep 2025 17:30

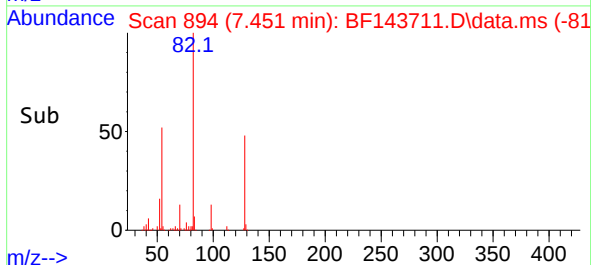
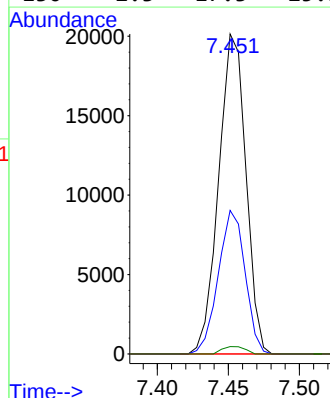
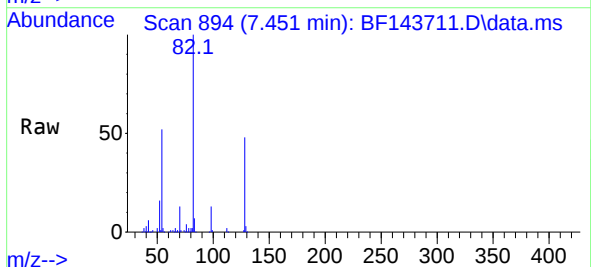
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1

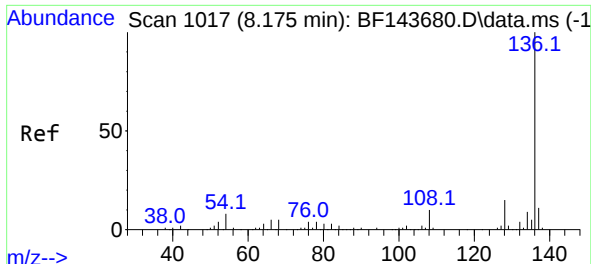
Tgt Ion: 99 Resp: 293256
Ion Ratio Lower Upper
99 100
42 15.7 13.0 19.4
71 33.9 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 18.224 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.153 min
Lab File: BF143711.D
Acq: 11 Sep 2025 17:30

Tgt Ion: 70 Resp: 26857
Ion Ratio Lower Upper
70 100
42 44.8 41.4 62.2
101 0.0 8.1 12.1#
130 2.3 17.3 25.9#



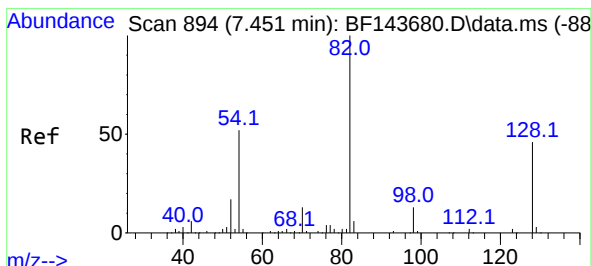
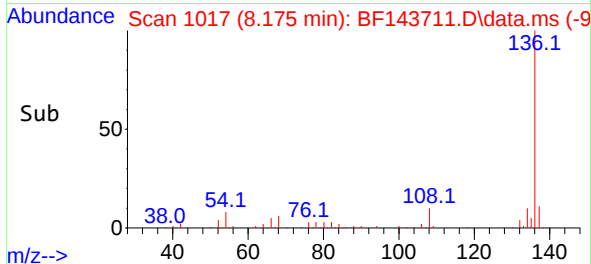
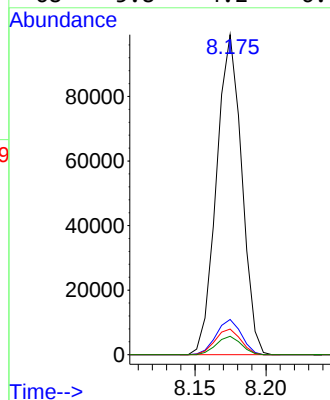
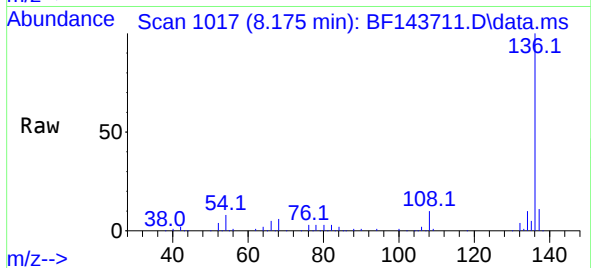


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.000 min
Lab File: BF143711.D
Acq: 11 Sep 2025 17:30

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1

Tgt Ion:136 Resp: 122515

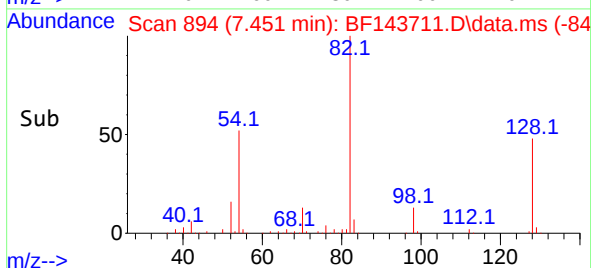
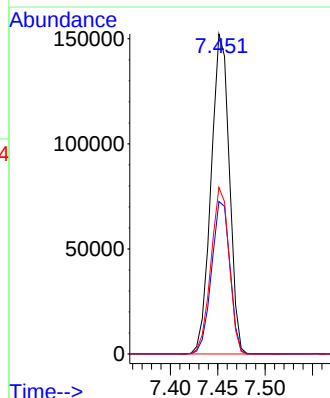
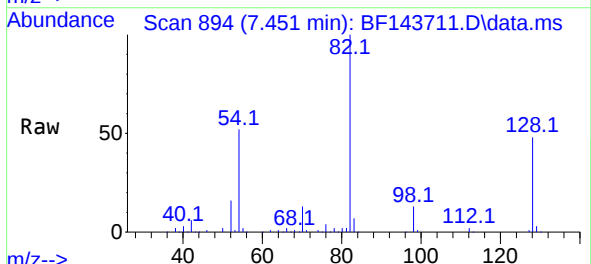
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	8.0	6.2	9.2
68	5.8	4.2	6.4

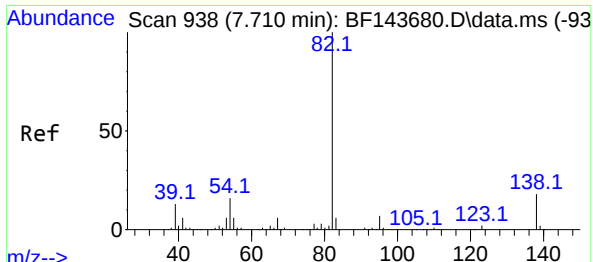


#23
Nitrobenzene-d5
Concen: 103.679 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.000 min
Lab File: BF143711.D
Acq: 11 Sep 2025 17:30

Tgt Ion: 82 Resp: 204215

Ion	Ratio	Lower	Upper
82	100		
128	47.6	37.0	55.4
54	52.0	41.8	62.8

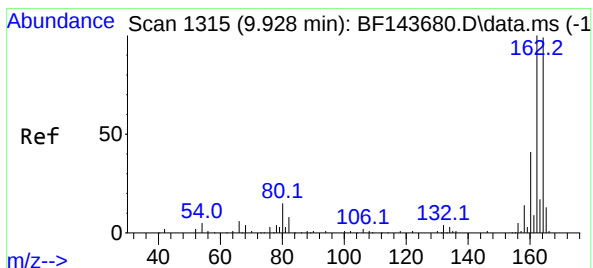
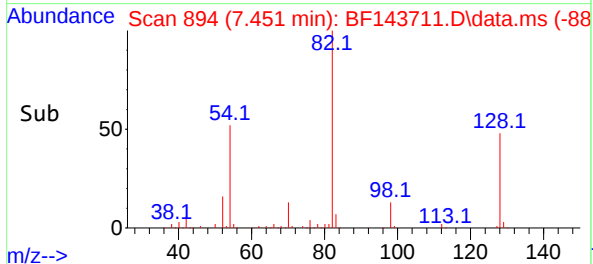
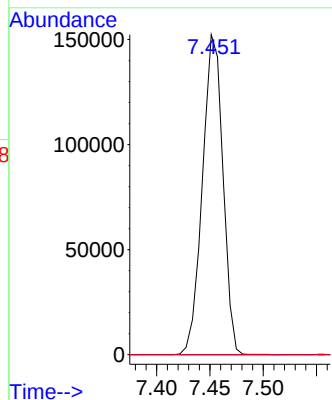
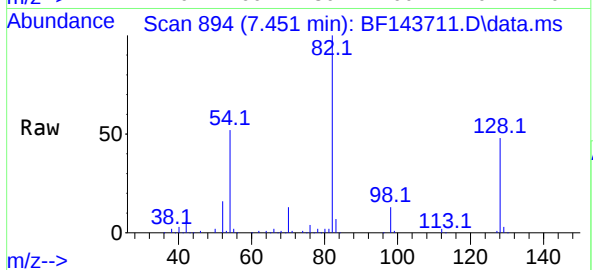




#25
Isophorone
Concen: 54.032 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.259 min
Lab File: BF143711.D
Acq: 11 Sep 2025 17:30

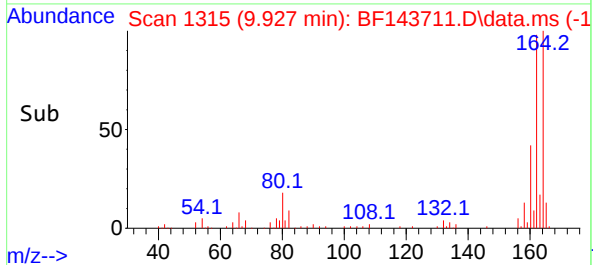
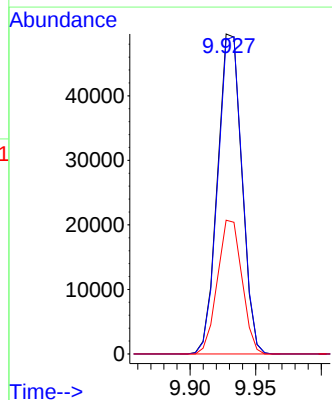
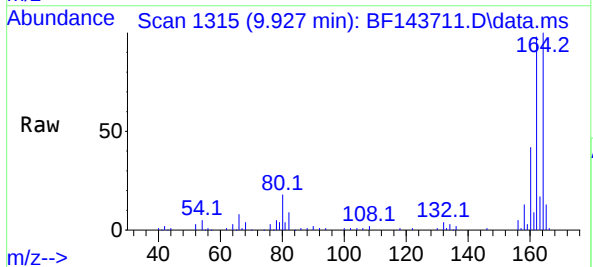
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1

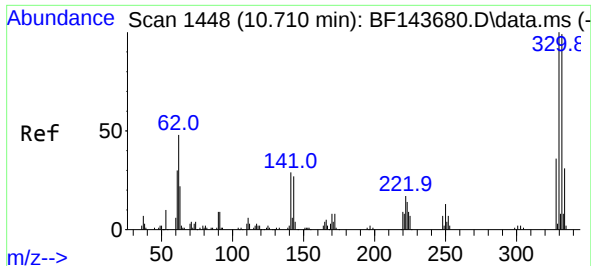
Tgt Ion: 82 Resp: 204076
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.8 22.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1315
Delta R.T. -0.000 min
Lab File: BF143711.D
Acq: 11 Sep 2025 17:30

Tgt Ion:164 Resp: 63838
Ion Ratio Lower Upper
164 100
162 98.2 80.6 121.0
160 41.8 33.0 49.4





#42

2,4,6-Tribromophenol

Concen: 142.143 ng

RT: 10.722 min Scan# 1447

Delta R.T. 0.012 min

Lab File: BF143711.D

Acq: 11 Sep 2025 17:30

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-1

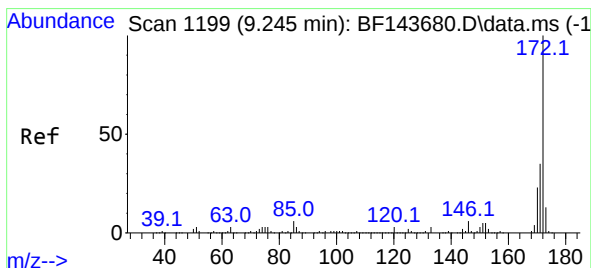
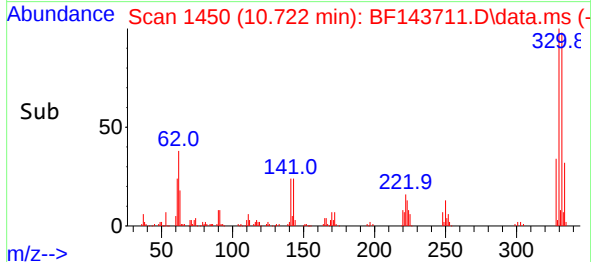
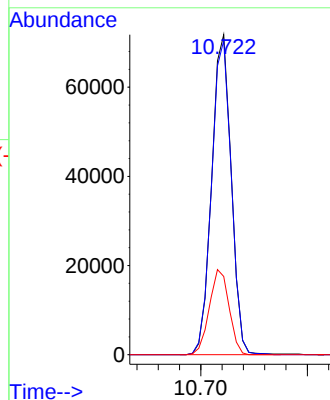
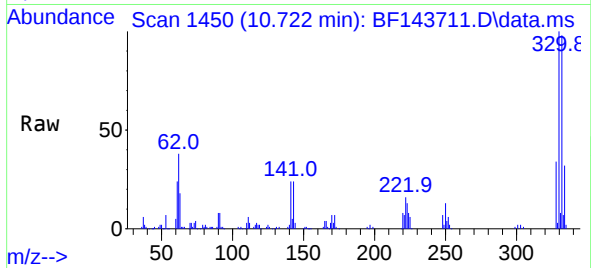
Tgt Ion:330 Resp: 91447

Ion Ratio Lower Upper

330 100

332 98.9 79.2 118.8

141 26.9 22.2 33.4



#45

2-Fluorobiphenyl

Concen: 106.025 ng

RT: 9.251 min Scan# 1200

Delta R.T. 0.006 min

Lab File: BF143711.D

Acq: 11 Sep 2025 17:30

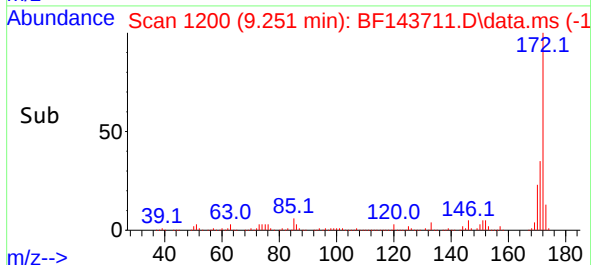
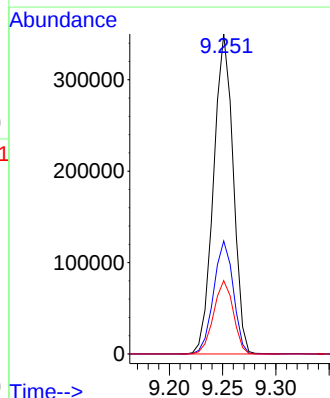
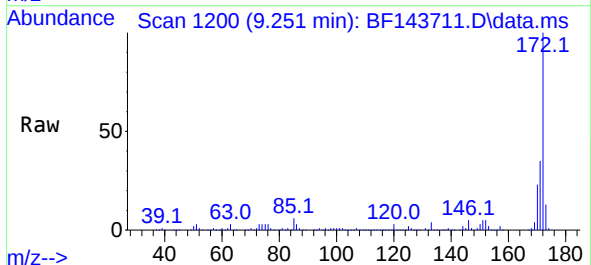
Tgt Ion:172 Resp: 448057

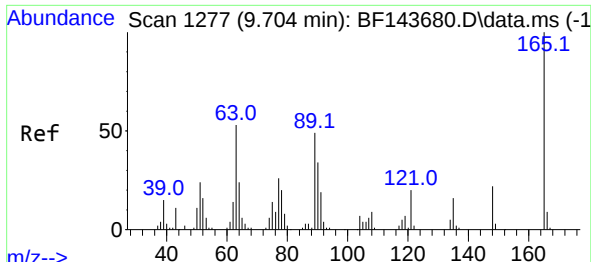
Ion Ratio Lower Upper

172 100

171 35.3 27.9 41.9

170 22.9 18.6 27.8





#51

2,6-Dinitrotoluene

Concen: 10.358 ng

RT: 9.927 min Scan# 11

Delta R.T. 0.223 min

Lab File: BF143711.D

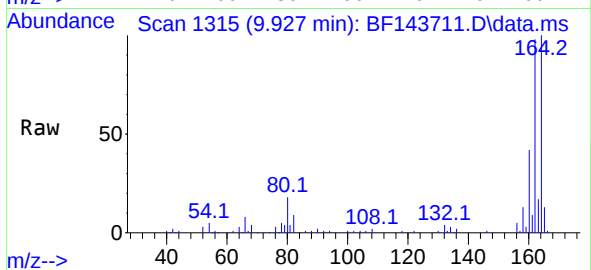
Acq: 11 Sep 2025 17:30

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-1



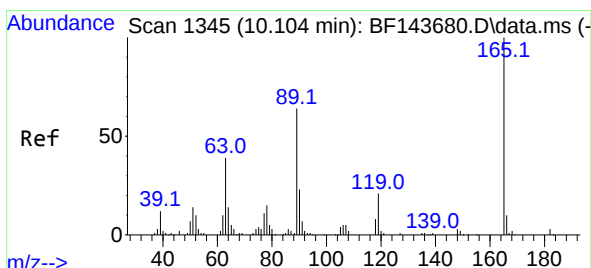
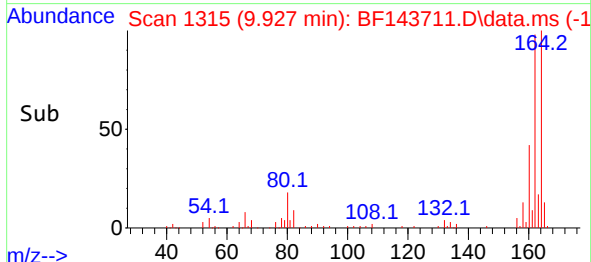
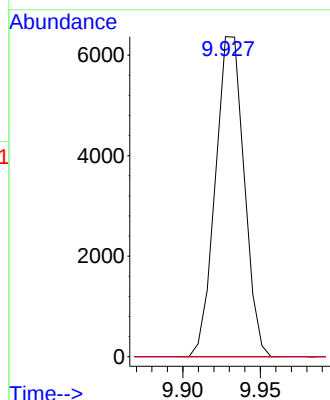
Tgt Ion:165 Resp: 8226

Ion Ratio Lower Upper

165 100

63 0.0 42.2 63.4#

89 0.0 39.3 58.9#



#57

2,4-Dinitrotoluene

Concen: 7.611 ng

RT: 9.927 min Scan# 1315

Delta R.T. -0.177 min

Lab File: BF143711.D

Acq: 11 Sep 2025 17:30

Tgt Ion:165 Resp: 8226

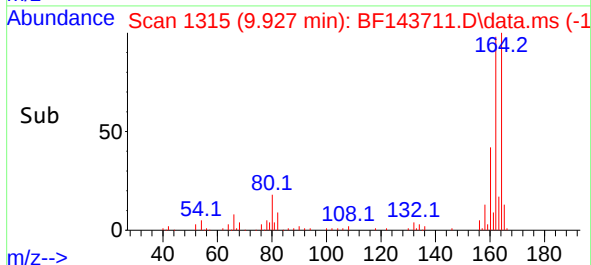
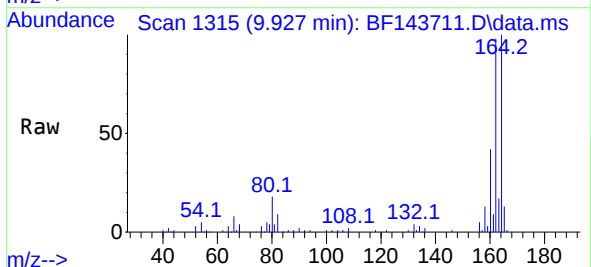
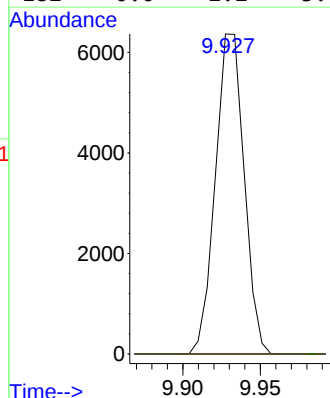
Ion Ratio Lower Upper

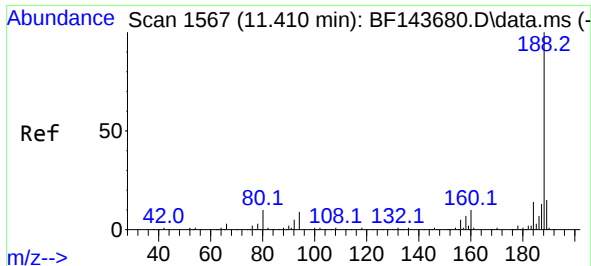
165 100

63 0.0 31.5 47.3#

89 0.0 51.3 76.9#

182 0.0 2.2 3.4#

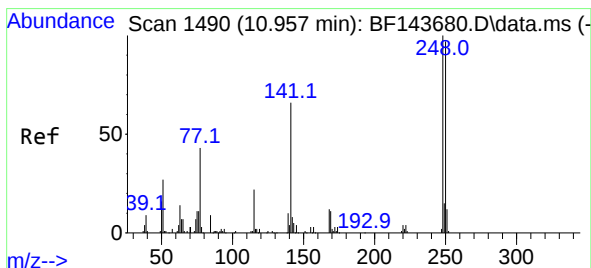
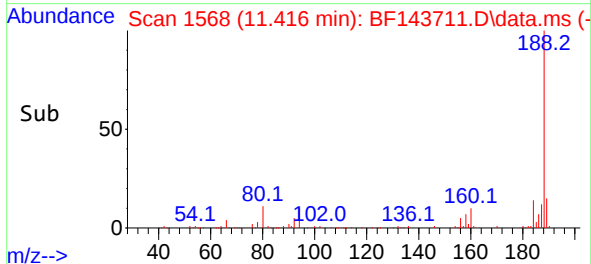
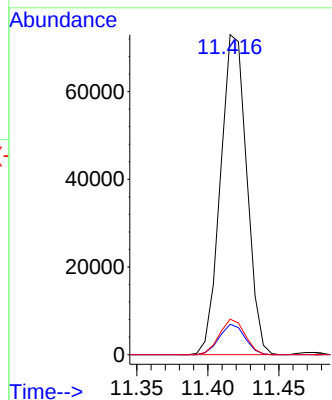
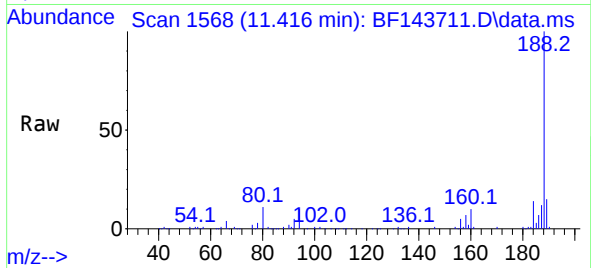




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143711.D
Acq: 11 Sep 2025 17:30

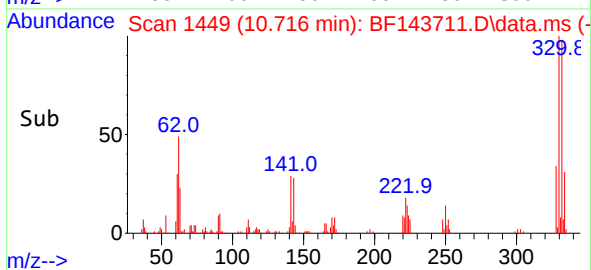
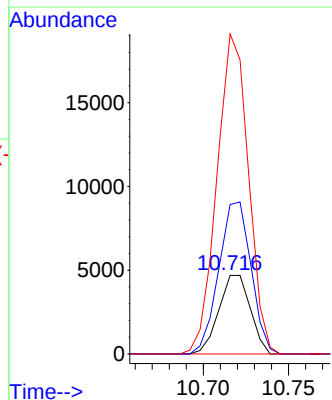
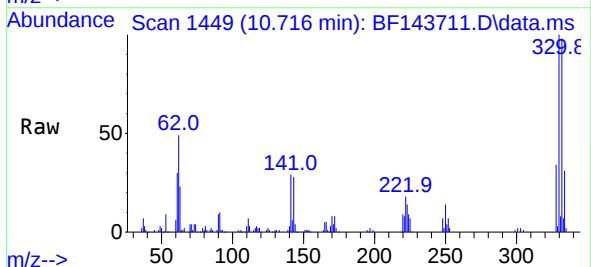
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1

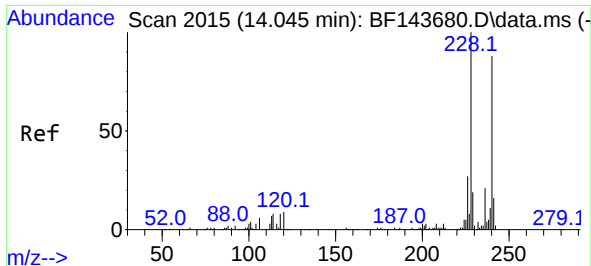
Tgt Ion:188 Resp: 93833
Ion Ratio Lower Upper
188 100
94 9.5 7.4 11.0
80 11.1 7.7 11.5



#67
4-Bromophenyl-phenylether
Concen: 5.339 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.241 min
Lab File: BF143711.D
Acq: 11 Sep 2025 17:30

Tgt Ion:248 Resp: 6041
Ion Ratio Lower Upper
248 100
250 190.1 77.5 116.3#
141 407.0 52.6 79.0#

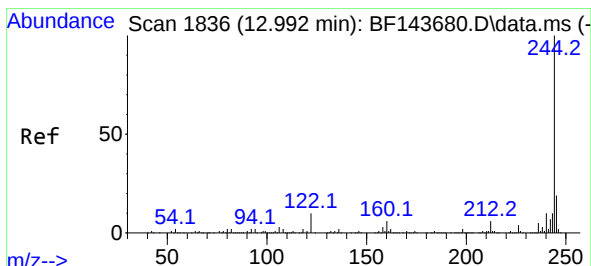
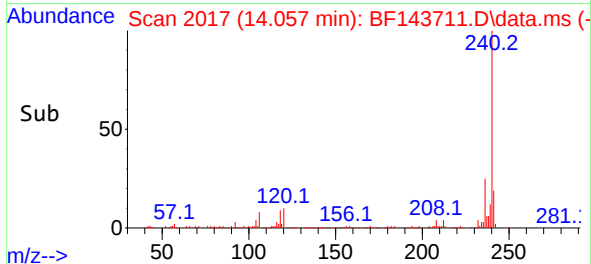
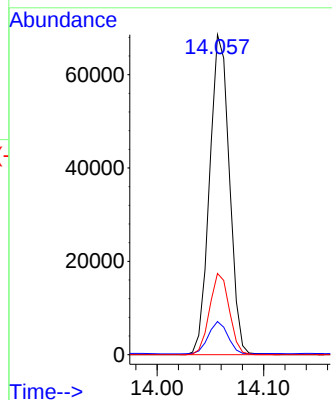
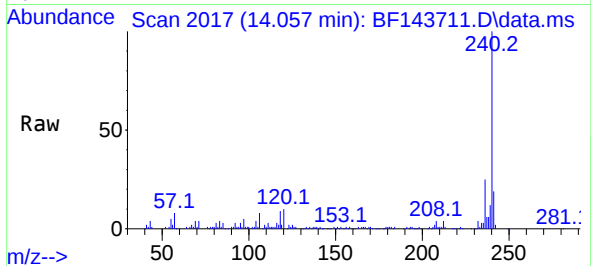




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 20
Delta R.T. 0.012 min
Lab File: BF143711.D
Acq: 11 Sep 2025 17:30

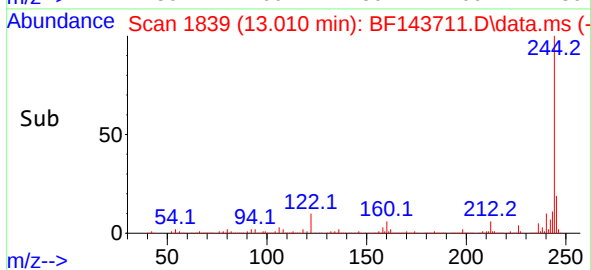
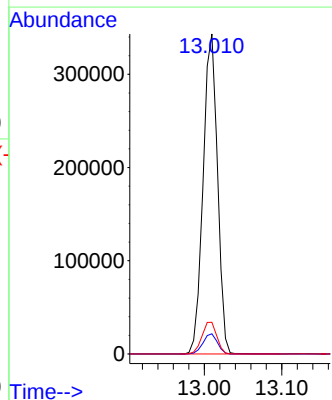
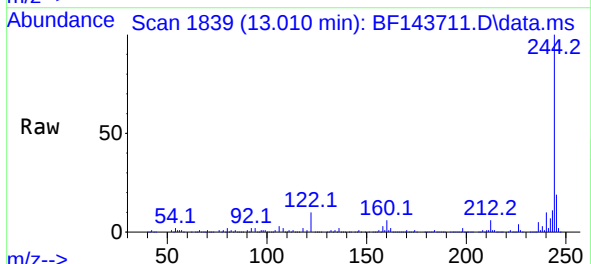
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-1

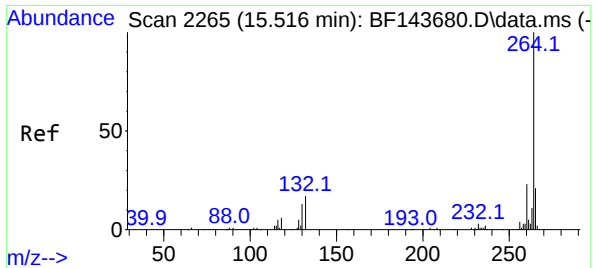
Tgt Ion:240 Resp: 88396
Ion Ratio Lower Upper
240 100
120 10.4 8.4 12.6
236 25.4 18.6 28.0



#79
Terphenyl-d14
Concen: 81.143 ng
RT: 13.010 min Scan# 1839
Delta R.T. 0.017 min
Lab File: BF143711.D
Acq: 11 Sep 2025 17:30

Tgt Ion:244 Resp: 442618
Ion Ratio Lower Upper
244 100
212 6.3 5.0 7.6
122 9.9 7.9 11.9





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 21
 Delta R.T. 0.023 min
 Lab File: BF143711.D
 Acq: 11 Sep 2025 17:30

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-1

Tgt Ion:264	Resp:	72226
Ion	Ratio	Lower Upper
264	100	
260	23.2	18.4 27.6
265	22.2	17.1 25.7

