

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103124\
 Data File : BF140194.D
 Acq On : 31 Oct 2024 17:28
 Operator : RC/JU
 Sample : P4617-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-PILE

Quant Time: Nov 01 01:14:20 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

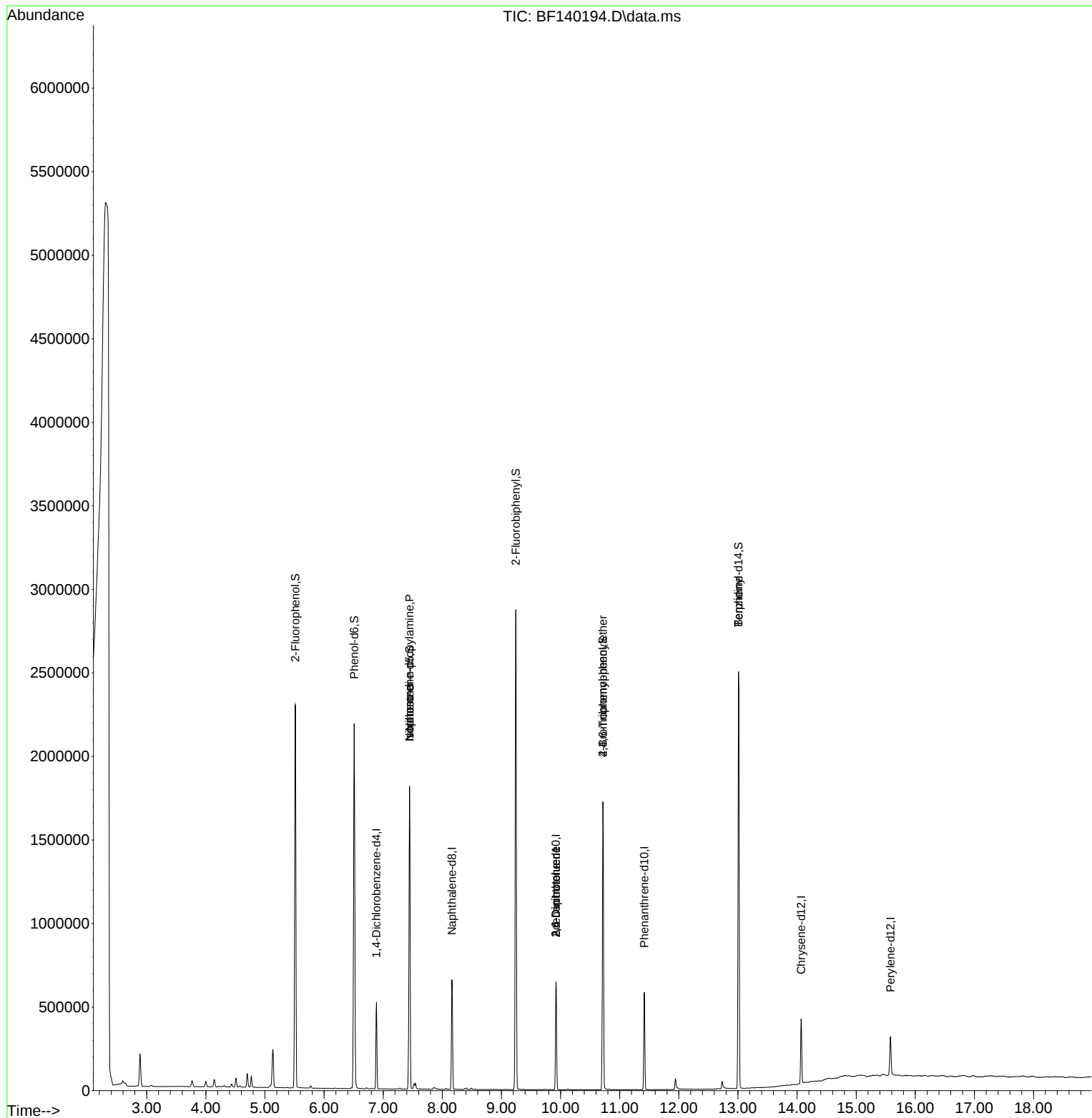
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	103025	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	388824	20.000	ng	-0.01
39) Acenaphthene-d10	9.922	164	193333	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	303890	20.000	ng	0.00
76) Chrysene-d12	14.068	240	182168	20.000	ng	0.02
86) Perylene-d12	15.580	264	140713	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	887364	134.837	ng	0.02
7) Phenol-d6	6.510	99	1037007	121.665	ng	0.00
23) Nitrobenzene-d5	7.445	82	822740	117.275	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	294828	163.035	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1327905	113.515	ng	0.00
79) Terphenyl-d14	13.010	244	1279153	114.419	ng	0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	113171	21.892	ng	# 77
25) Isophorone	7.445	82	821278	61.679	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	24834	9.524	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	24834	7.745	ng	# 21
67) 4-Bromophenyl-phenylether	10.716	248	18730	5.983	ng	# 1
77) Benzydine	13.010	184	16599	5.541	ng	# 94

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

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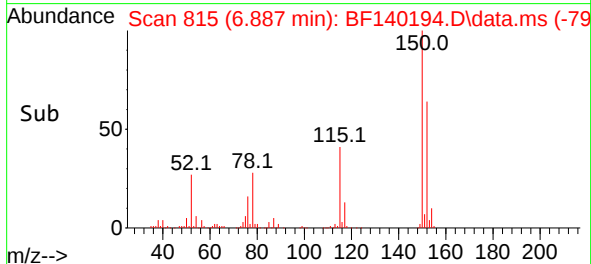
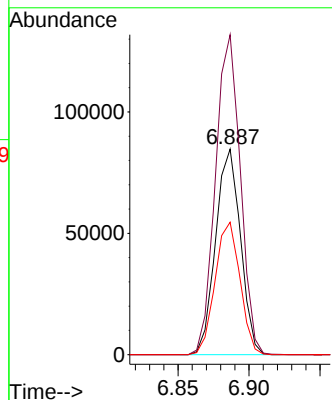
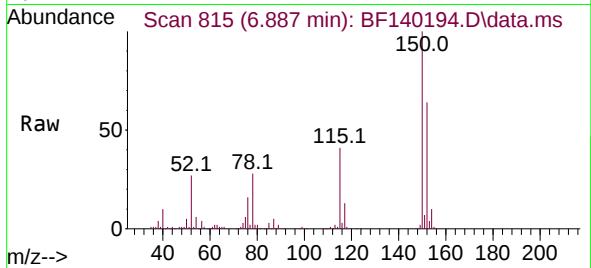




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF140194.D
Acq: 31 Oct 2024 17:28

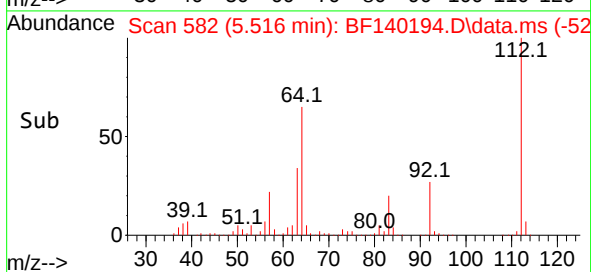
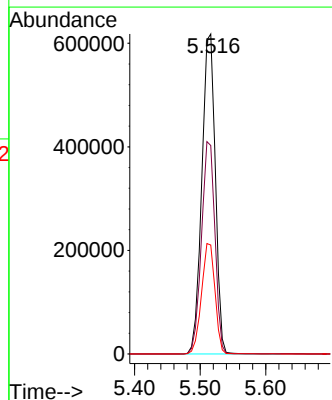
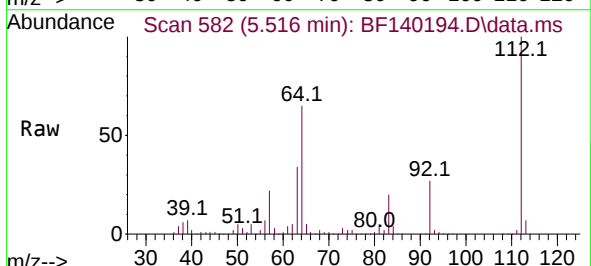
Instrument :
BNA_F
ClientSampleId :
CONCRETE-PILE

Tgt Ion:152 Resp: 103025
Ion Ratio Lower Upper
152 100
150 155.7 130.2 195.2
115 64.4 51.4 77.2



#5
2-Fluorophenol
Concen: 134.837 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.018 min
Lab File: BF140194.D
Acq: 31 Oct 2024 17:28

Tgt Ion:112 Resp: 887364
Ion Ratio Lower Upper
112 100
64 65.1 53.0 79.6
63 34.0 27.0 40.4

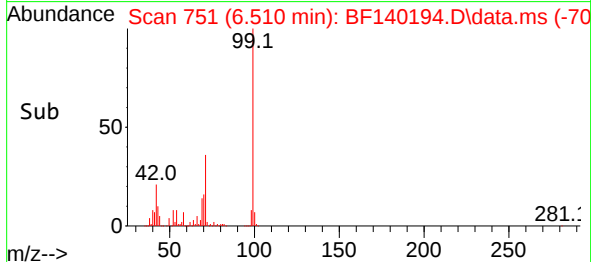
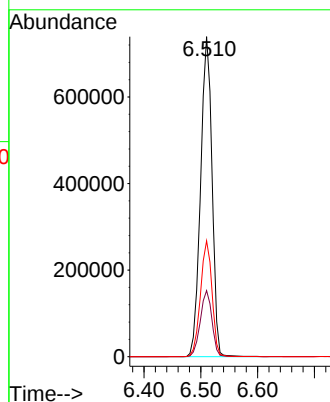
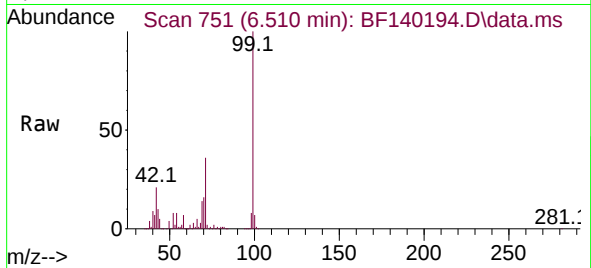




#7
Phenol-d6
Concen: 121.665 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF140194.D
Acq: 31 Oct 2024 17:28

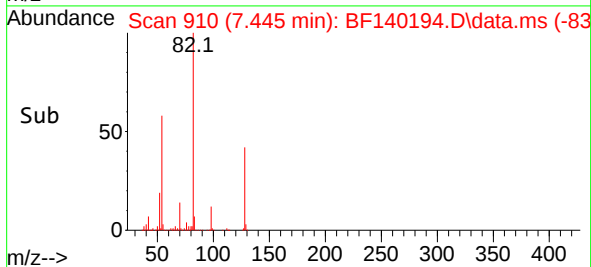
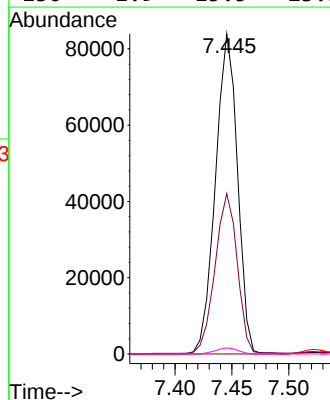
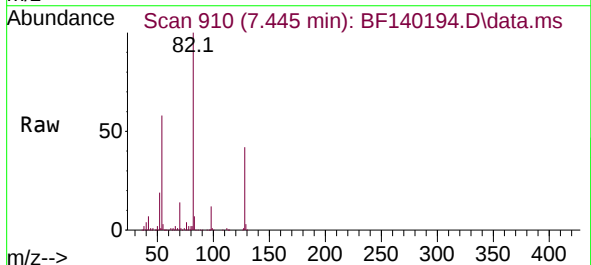
Instrument :
BNA_F
ClientSampleId :
CONCRETE-PILE

Tgt Ion: 99 Resp: 1037007
Ion Ratio Lower Upper
99 100
42 20.7 16.7 25.1
71 36.2 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 21.892 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF140194.D
Acq: 31 Oct 2024 17:28

Tgt Ion: 70 Resp: 113171
Ion Ratio Lower Upper
70 100
42 50.1 51.5 77.3#
101 0.0 7.5 11.3#
130 1.9 15.5 23.3#

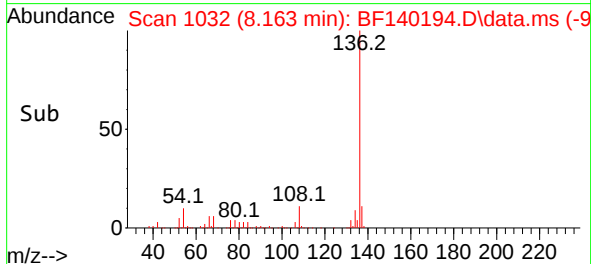
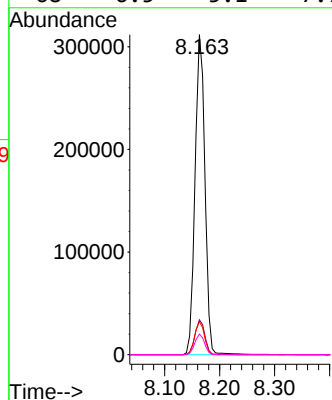
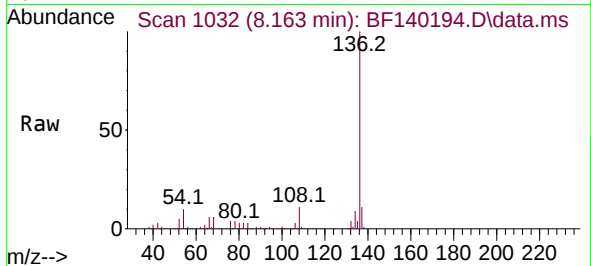




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF140194.D
Acq: 31 Oct 2024 17:28

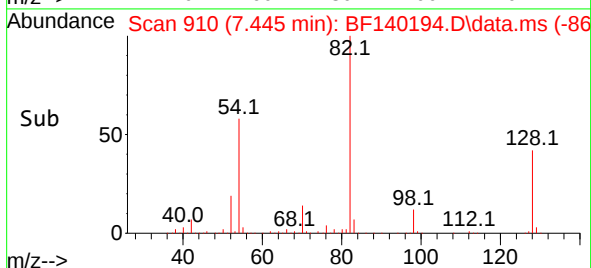
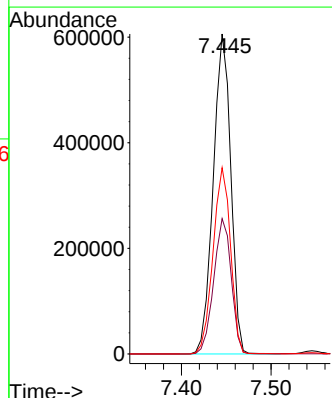
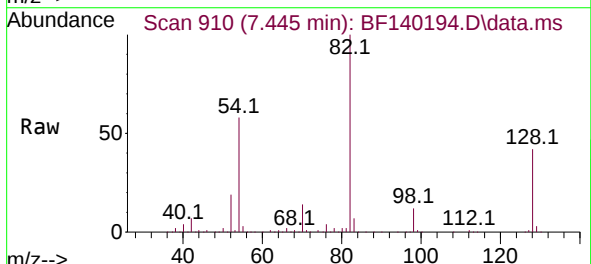
Instrument :
BNA_F
ClientSampleId :
CONCRETE-PILE

Tgt Ion:136	Resp: 388824
Ion Ratio	Lower Upper
136 100	
137 10.9	8.6 12.8
54 10.4	8.4 12.6
68 6.5	5.1 7.7



#23
Nitrobenzene-d5
Concen: 117.275 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF140194.D
Acq: 31 Oct 2024 17:28

Tgt Ion: 82	Resp: 822740
Ion Ratio	Lower Upper
82 100	
128 42.3	33.4 50.0
54 58.2	47.8 71.8

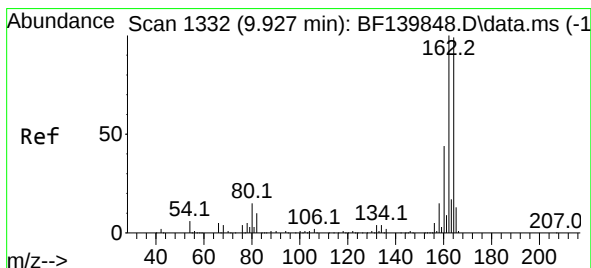
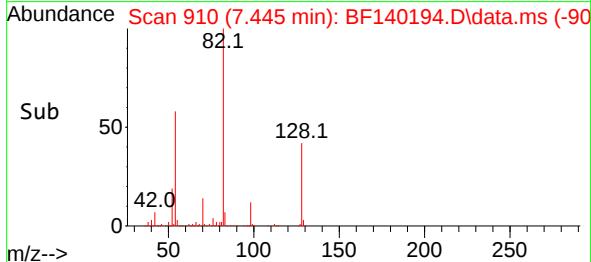
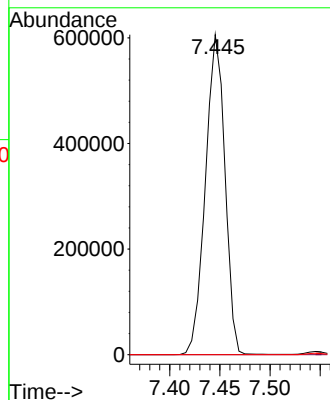
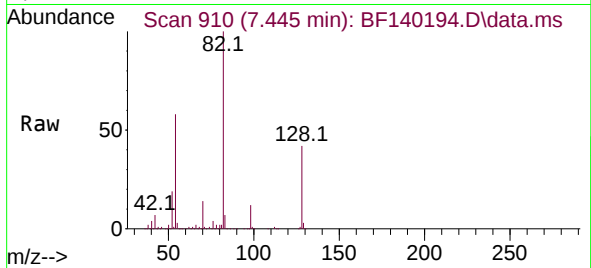




#25
Isophorone
Concen: 61.679 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF140194.D
Acq: 31 Oct 2024 17:28

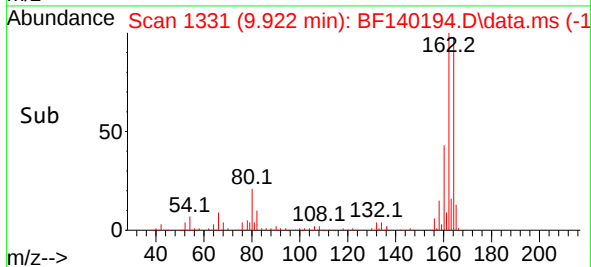
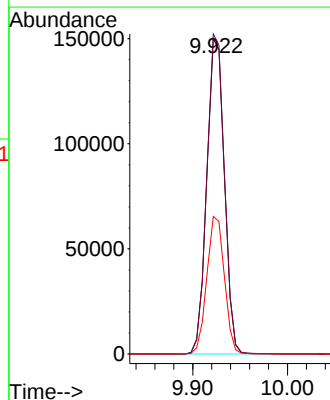
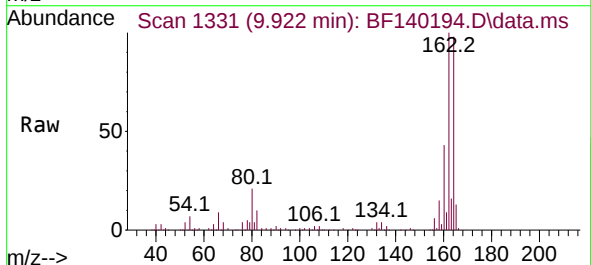
Instrument :
BNA_F
ClientSampleId :
CONCRETE-PILE

Tgt Ion: 82 Resp: 821278
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF140194.D
Acq: 31 Oct 2024 17:28

Tgt Ion:164 Resp: 193333
Ion Ratio Lower Upper
164 100
162 101.5 81.0 121.4
160 43.7 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 163.035 ng

RT: 10.716 min Scan# 1466

Delta R.T. 0.000 min

Lab File: BF140194.D

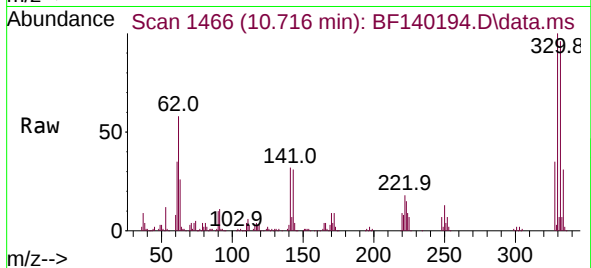
Acq: 31 Oct 2024 17:28

Instrument :

BNA_F

ClientSampleId :

CONCRETE-PILE



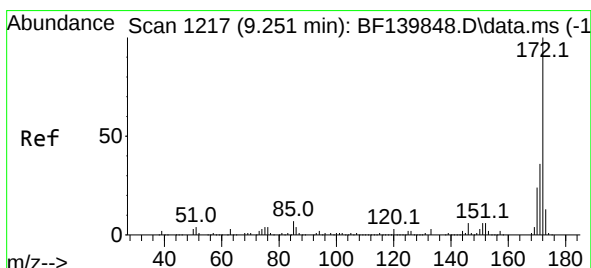
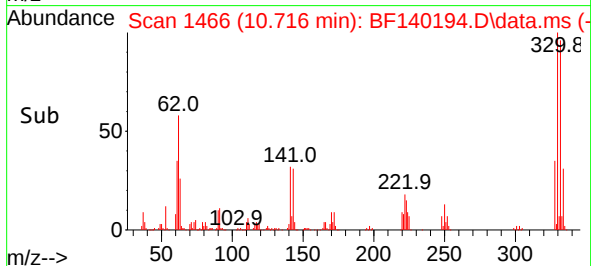
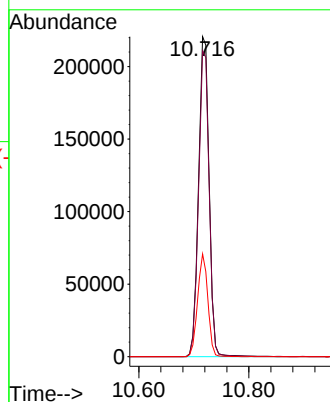
Tgt Ion:330 Resp: 294828

Ion Ratio Lower Upper

330 100

332 95.7 78.1 117.1

141 31.1 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 113.515 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF140194.D

Acq: 31 Oct 2024 17:28

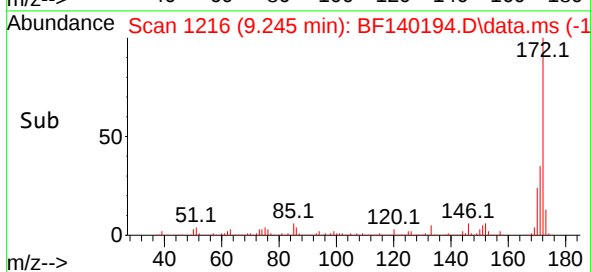
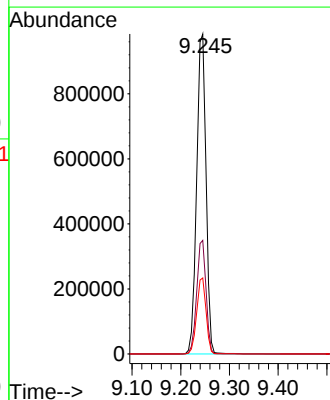
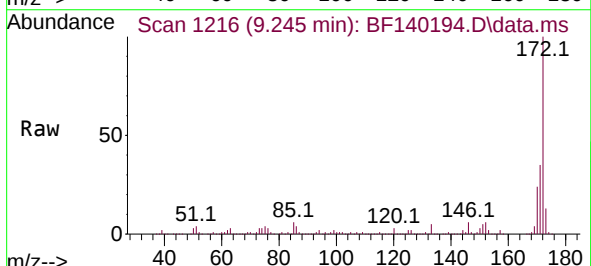
Tgt Ion:172 Resp: 1327905

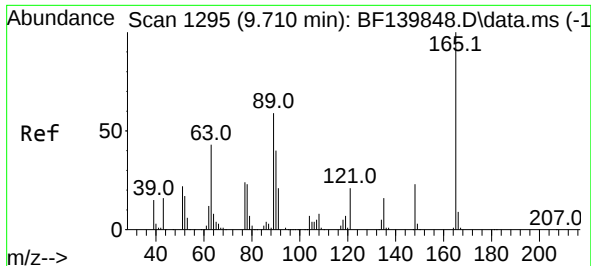
Ion Ratio Lower Upper

172 100

171 35.5 28.6 43.0

170 23.7 19.1 28.7

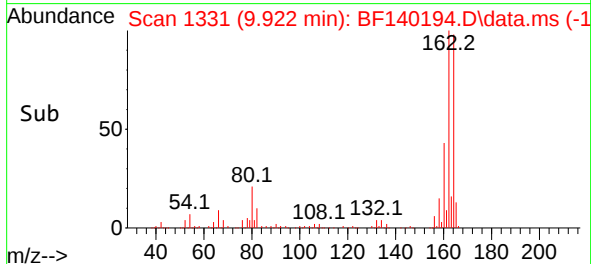
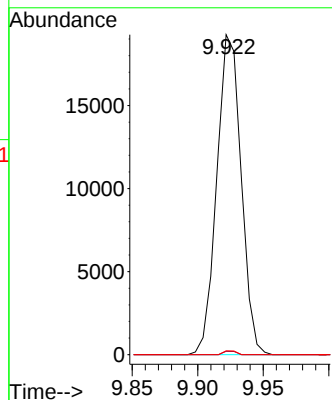
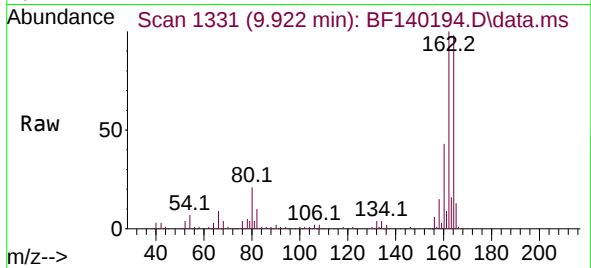




#51
2,6-Dinitrotoluene
Concen: 9.524 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.212 min
Lab File: BF140194.D
Acq: 31 Oct 2024 17:28

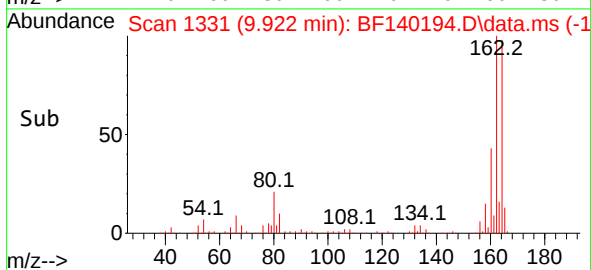
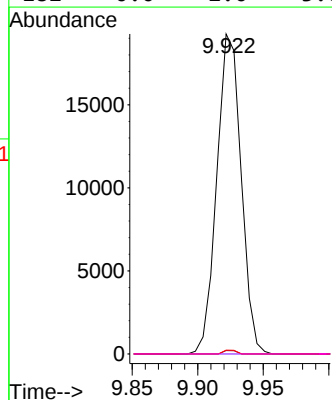
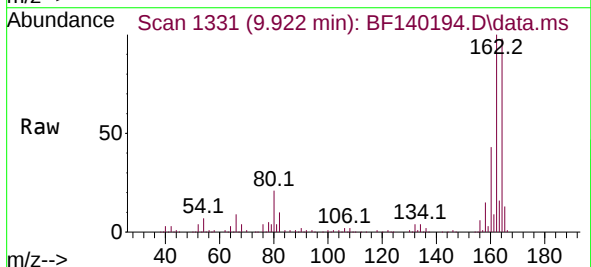
Instrument :
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ClientSampleId :
CONCRETE-PILE

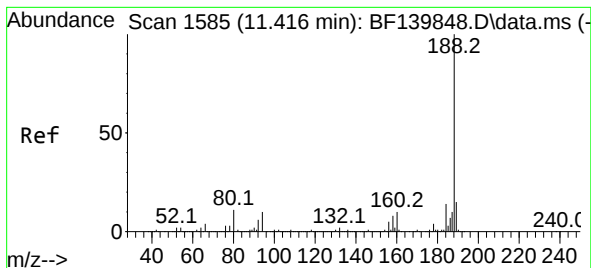
Tgt Ion:165 Resp: 24834
Ion Ratio Lower Upper
165 100
63 1.1 50.6 75.8#
89 1.2 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.745 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF140194.D
Acq: 31 Oct 2024 17:28

Tgt Ion:165 Resp: 24834
Ion Ratio Lower Upper
165 100
63 1.1 40.1 60.1#
89 1.2 60.4 90.6#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF140194.D

Acq: 31 Oct 2024 17:28

Instrument :

BNA_F

ClientSampleId :

CONCRETE-PILE

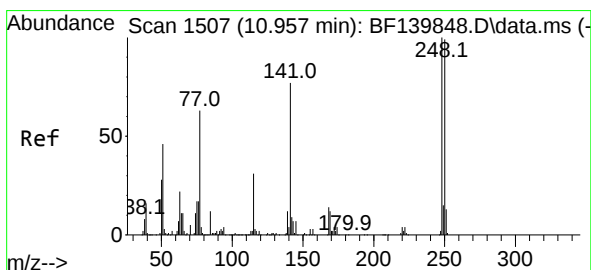
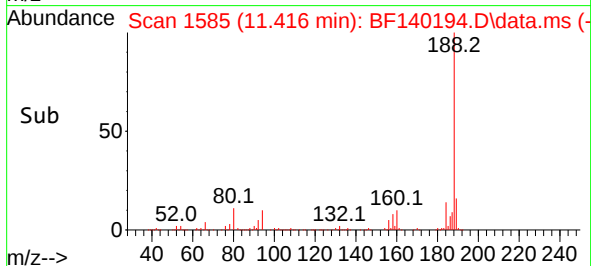
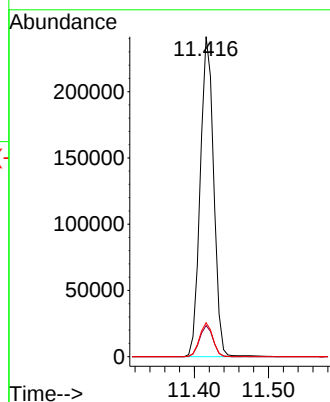
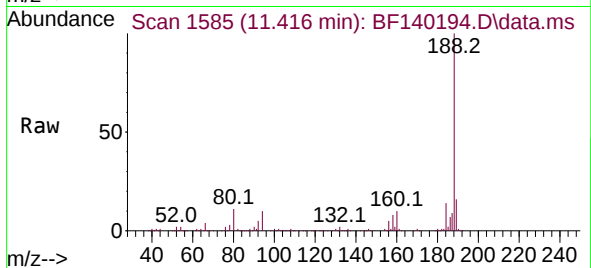
Tgt Ion:188 Resp: 303890

Ion Ratio Lower Upper

188 100

94 9.8 7.9 11.9

80 10.6 9.0 13.4



#67

4-Bromophenyl-phenylether

Concen: 5.983 ng

RT: 10.716 min Scan# 1466

Delta R.T. -0.241 min

Lab File: BF140194.D

Acq: 31 Oct 2024 17:28

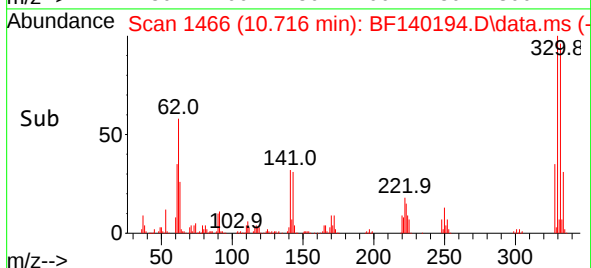
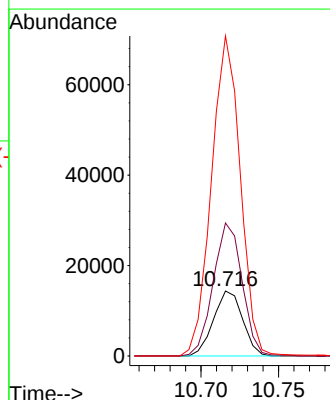
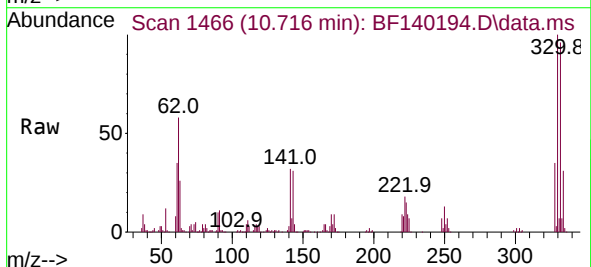
Tgt Ion:248 Resp: 18730

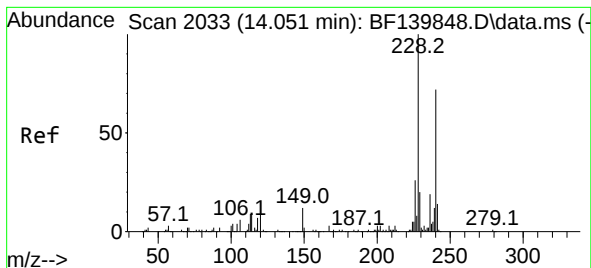
Ion Ratio Lower Upper

248 100

250 204.4 79.0 118.6#

141 492.0 61.7 92.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.068 min Scan# 2036

Delta R.T. 0.018 min

Lab File: BF140194.D

Acq: 31 Oct 2024 17:28

Instrument :

BNA_F

ClientSampleId :

CONCRETE-PILE

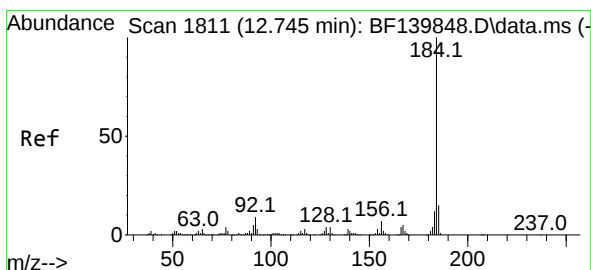
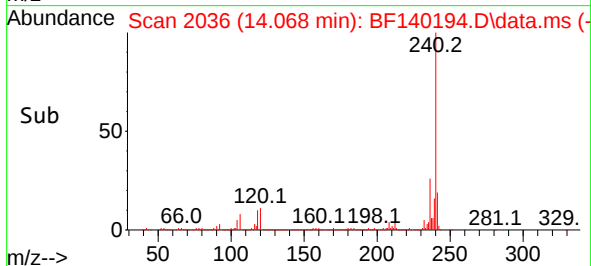
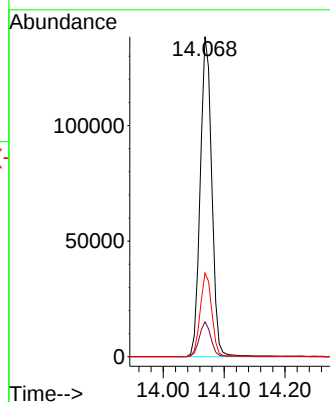
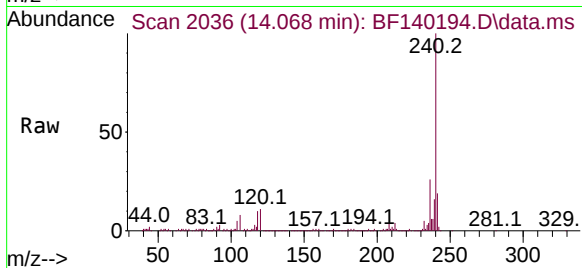
Tgt Ion:240 Resp: 182168

Ion Ratio Lower Upper

240 100

120 10.9 9.4 14.2

236 26.1 20.9 31.3



#77

Benzidine

Concen: 5.541 ng

RT: 13.010 min Scan# 1856

Delta R.T. 0.265 min

Lab File: BF140194.D

Acq: 31 Oct 2024 17:28

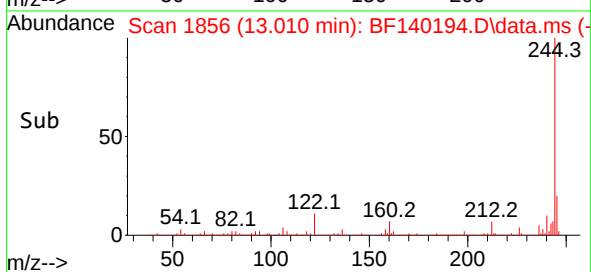
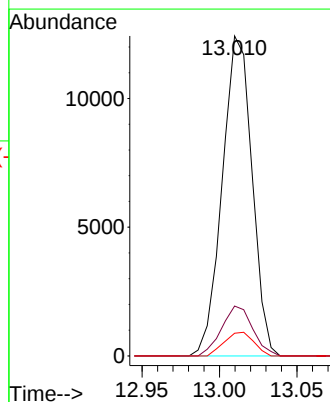
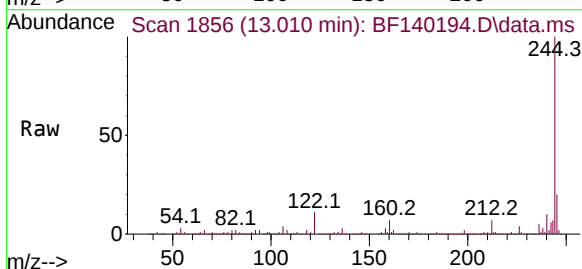
Tgt Ion:184 Resp: 16599

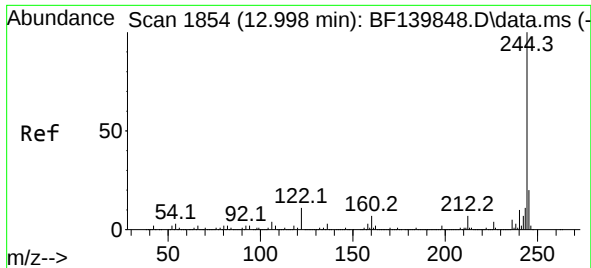
Ion Ratio Lower Upper

184 100

185 15.6 12.0 18.0

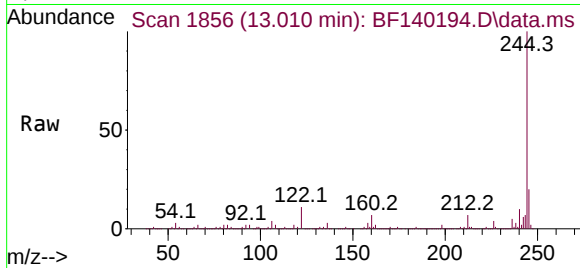
183 7.1 9.4 14.2#



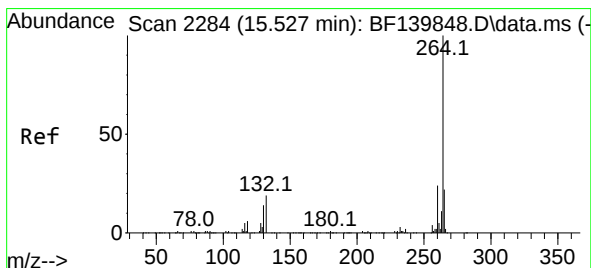
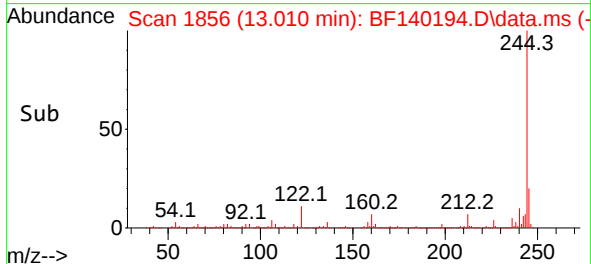
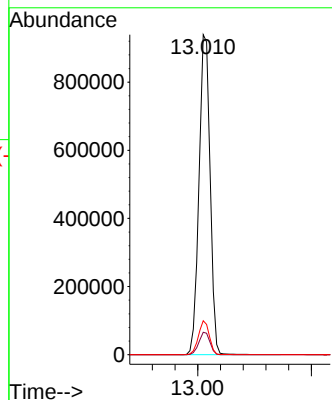


#79
Terphenyl-d14
Concen: 114.419 ng
RT: 13.010 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF140194.D
Acq: 31 Oct 2024 17:28

Instrument :
BNA_F
ClientSampleId :
CONCRETE-PILE



Tgt Ion:244 Resp: 1279153
Ion Ratio Lower Upper
244 100
212 7.0 5.7 8.5
122 10.6 8.6 13.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2293
Delta R.T. 0.053 min
Lab File: BF140194.D
Acq: 31 Oct 2024 17:28

Tgt Ion:264 Resp: 140713
Ion Ratio Lower Upper
264 100
260 23.2 19.4 29.2
265 21.2 17.4 26.0

