

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120324\
 Data File : BF140720.D
 Acq On : 03 Dec 2024 19:18
 Operator : RC/JU
 Sample : P5025-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-EAST

Quant Time: Dec 03 22:15:36 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

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

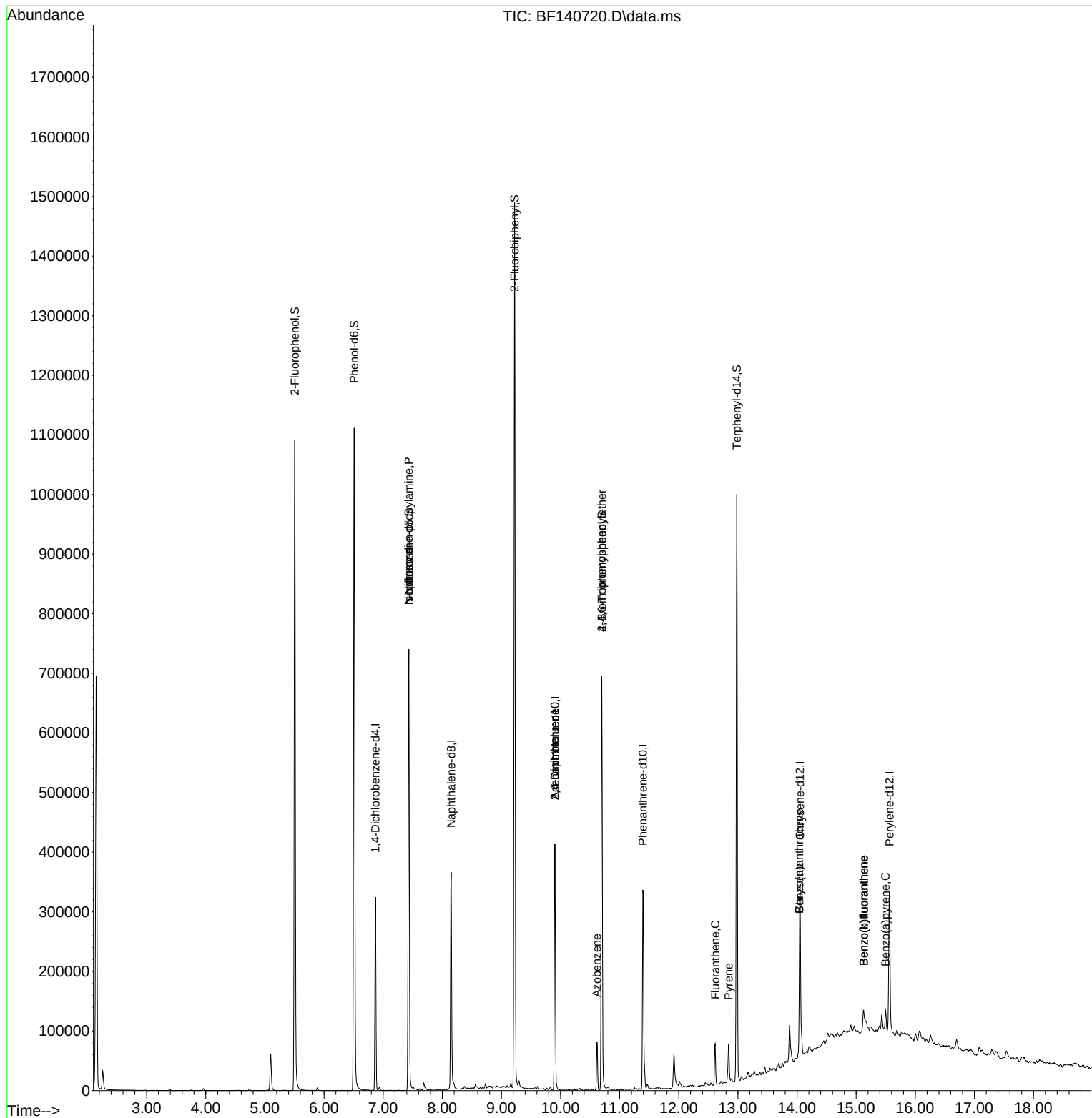
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	68175	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	243804	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	122377	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	192762	20.000	ng	-0.01
76) Chrysene-d12	14.051	240	126938	20.000	ng	0.00
86) Perylene-d12	15.563	264	140674	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	415087	103.883	ng	0.00
7) Phenol-d6	6.510	99	528421	100.034	ng	0.00
23) Nitrobenzene-d5	7.434	82	344212	72.216	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	121853	93.101	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	651369	79.304	ng	-0.01
79) Terphenyl-d14	12.980	244	474739	58.236	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	45587	14.602	ng	# 77
25) Isophorone	7.434	82	339072	42.650	ng	# 66
51) 2,6-Dinitrotoluene	9.904	165	15851	8.672	ng	# 20
57) 2,4-Dinitrotoluene	9.904	165	15851	6.525	ng	# 17
63) Azobenzene	10.616	77	21580	2.783	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	7583	3.820	ng	# 1
75) Fluoranthene	12.616	202	40578	4.033	ng	98
78) Pyrene	12.845	202	37935	3.232	ng	98
81) Benzo(a)anthracene	14.039	228	21401	2.547	ng	95
83) Chrysene	14.039	228	21401	2.785	ng	96
88) Benzo(b)fluoranthene	15.127	252	35119	3.975	ng	# 89
89) Benzo(k)fluoranthene	15.127	252	35119	4.542	ng	# 90
90) Benzo(a)pyrene	15.498	252	18499	2.575	ng	# 88

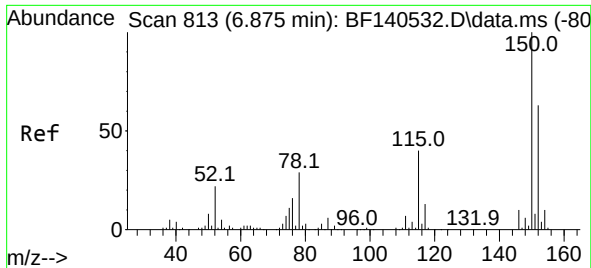
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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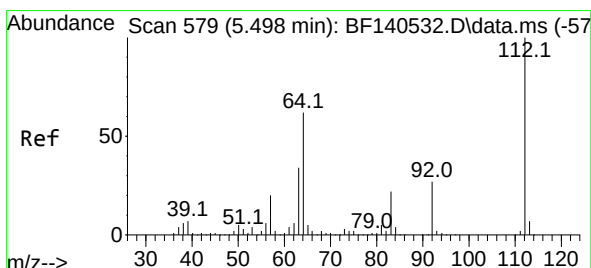
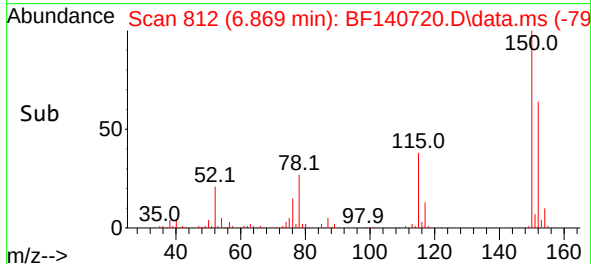
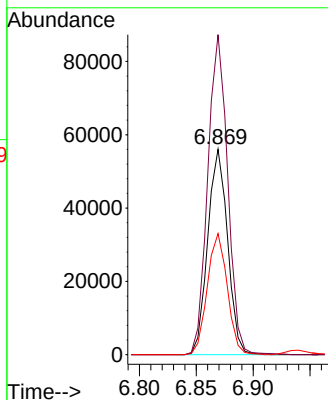
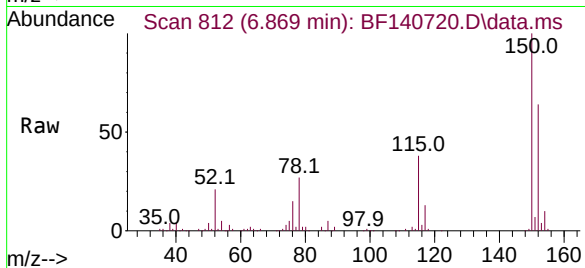




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140720.D
Acq: 03 Dec 2024 19:18

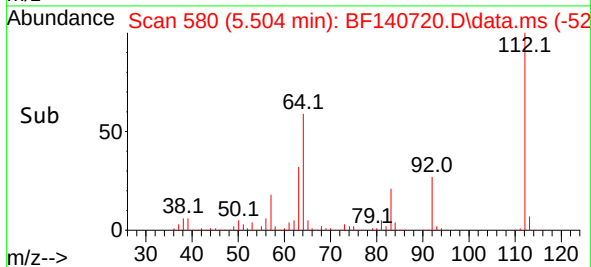
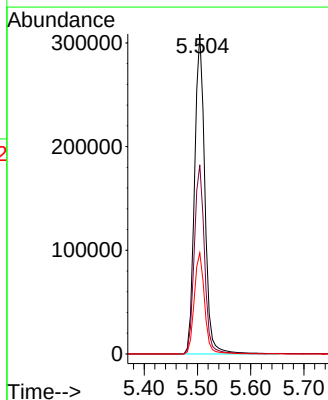
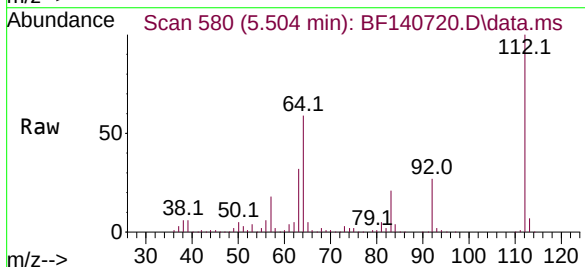
Instrument :
BNA_F
ClientSampleId :
SOIL-EAST

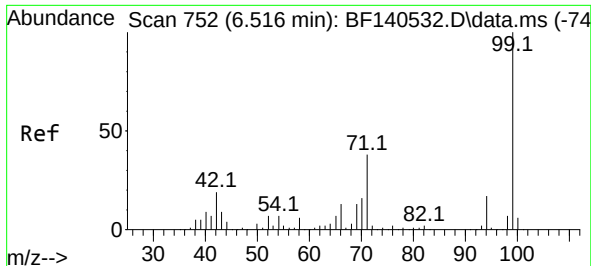
Tgt Ion:152 Resp: 68175
Ion Ratio Lower Upper
152 100
150 155.7 128.5 192.7
115 58.9 50.2 75.4



#5
2-Fluorophenol
Concen: 103.883 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140720.D
Acq: 03 Dec 2024 19:18

Tgt Ion:112 Resp: 415087
Ion Ratio Lower Upper
112 100
64 59.1 49.2 73.8
63 31.6 27.0 40.4

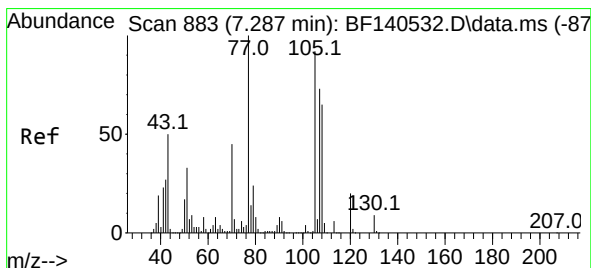
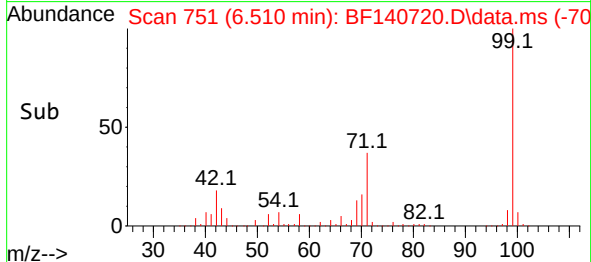
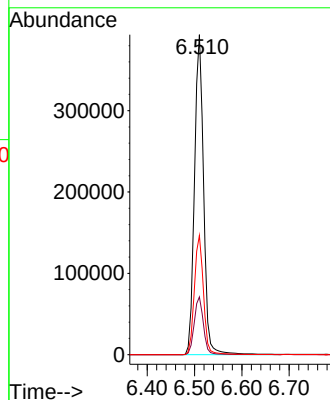
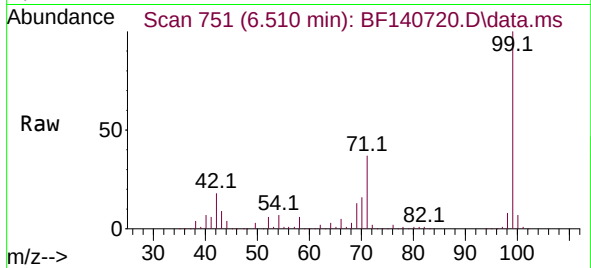




#7
Phenol-d6
Concen: 100.034 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140720.D
Acq: 03 Dec 2024 19:18

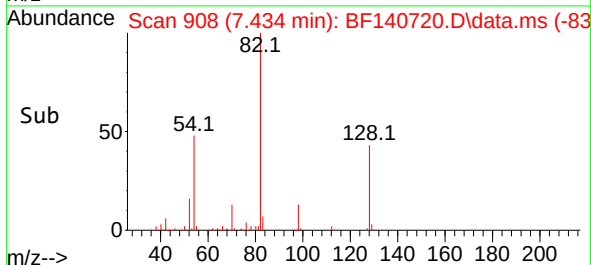
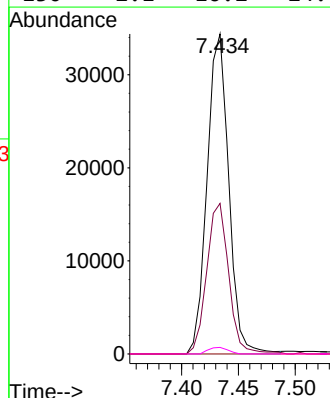
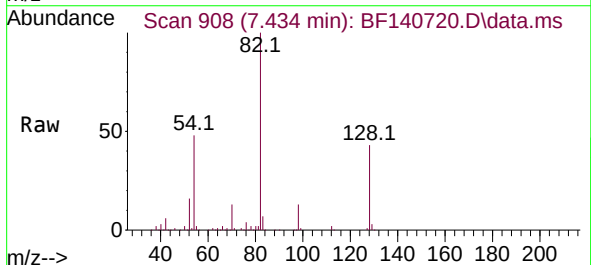
Instrument :
BNA_F
ClientSampleId :
SOIL-EAST

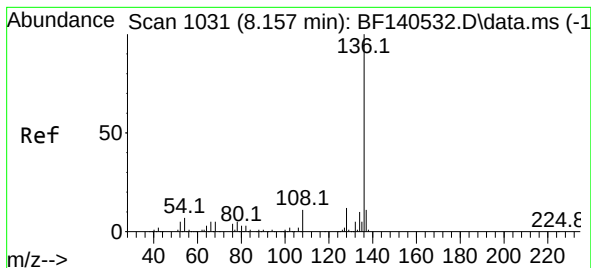
Tgt Ion: 99 Resp: 528421
Ion Ratio Lower Upper
99 100
42 18.1 15.4 23.0
71 37.2 30.6 46.0



#19
n-Nitroso-di-n-propylamine
Concen: 14.602 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.147 min
Lab File: BF140720.D
Acq: 03 Dec 2024 19:18

Tgt Ion: 70 Resp: 45587
Ion Ratio Lower Upper
70 100
42 47.0 47.6 71.4#
101 0.0 7.6 11.4#
130 2.1 16.2 24.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.151 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140720.D

Acq: 03 Dec 2024 19:18

Instrument :

BNA_F

ClientSampleId :

SOIL-EAST

Tgt Ion:136 Resp: 243804

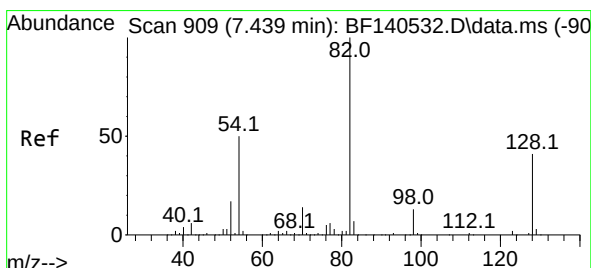
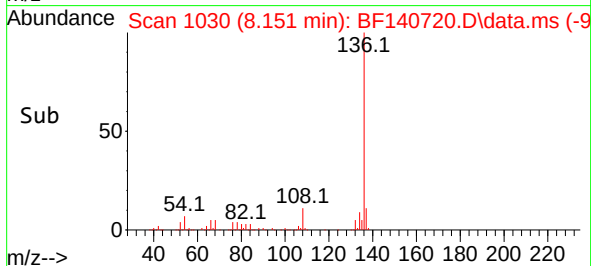
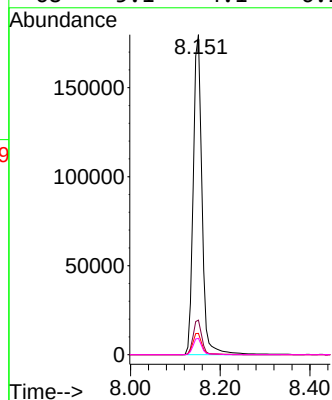
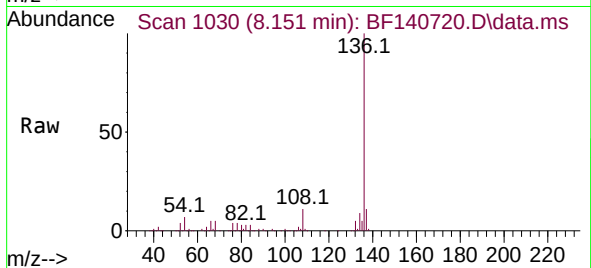
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 6.7 5.8 8.8

68 5.1 4.1 6.1



#23

Nitrobenzene-d5

Concen: 72.216 ng

RT: 7.434 min Scan# 908

Delta R.T. -0.006 min

Lab File: BF140720.D

Acq: 03 Dec 2024 19:18

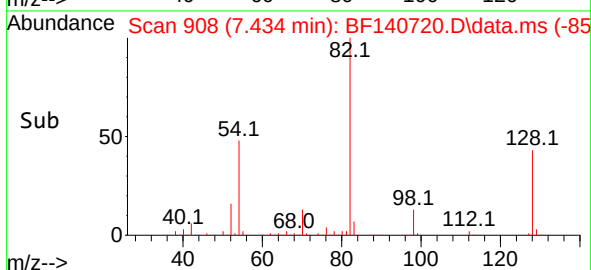
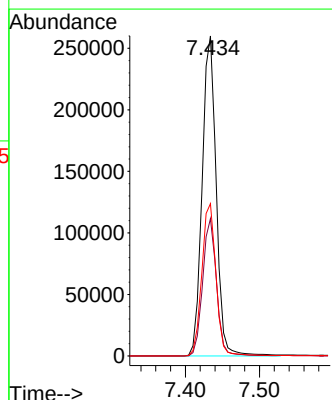
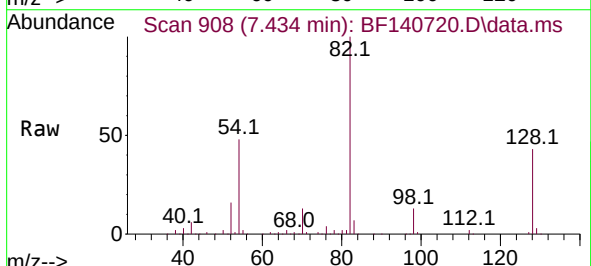
Tgt Ion: 82 Resp: 344212

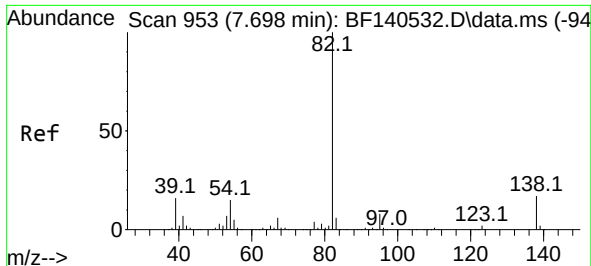
Ion Ratio Lower Upper

82 100

128 42.9 33.0 49.4

54 47.6 39.5 59.3

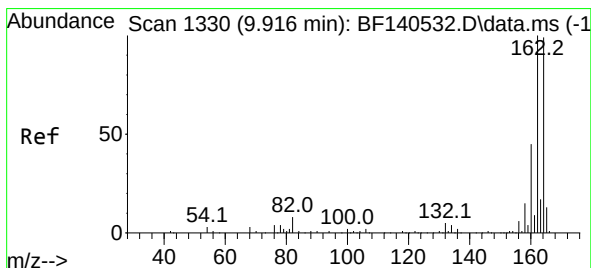
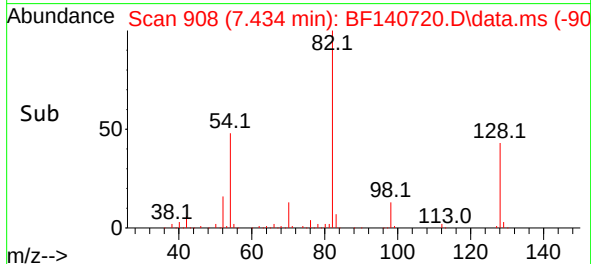
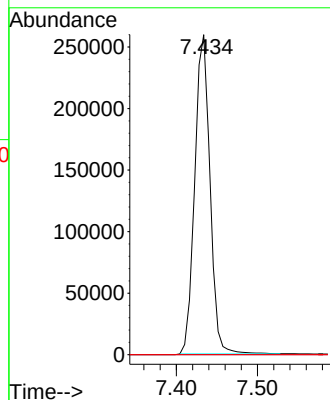
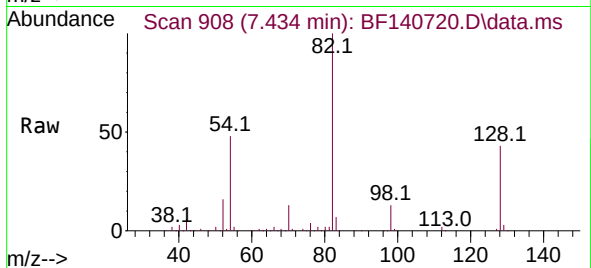




#25
Isophorone
Concen: 42.650 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF140720.D
Acq: 03 Dec 2024 19:18

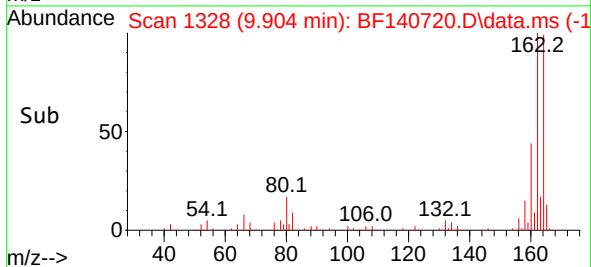
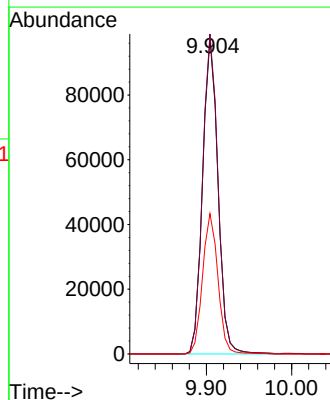
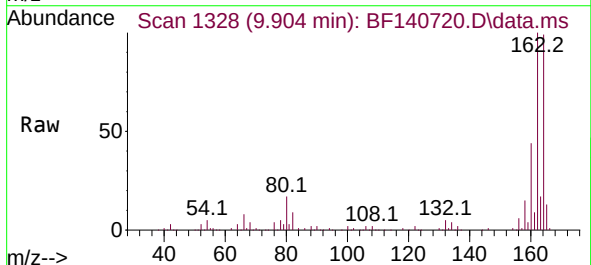
Instrument :
BNA_F
ClientSampleId :
SOIL-EAST

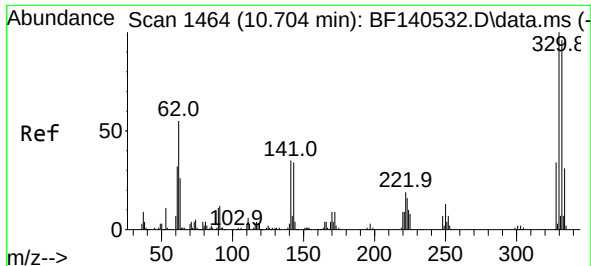
Tgt Ion: 82 Resp: 339072
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.8 20.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140720.D
Acq: 03 Dec 2024 19:18

Tgt Ion:164 Resp: 122377
Ion Ratio Lower Upper
164 100
162 101.4 80.6 120.8
160 44.5 36.2 54.4

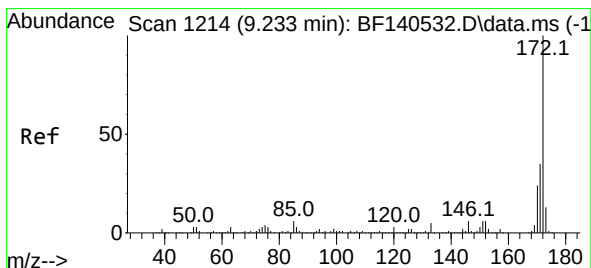
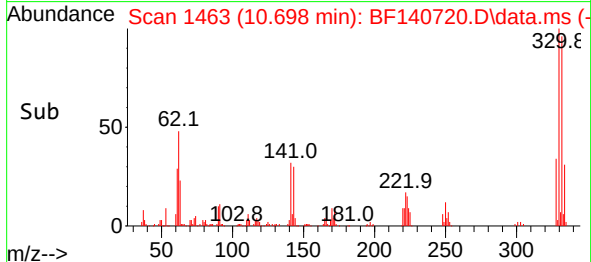
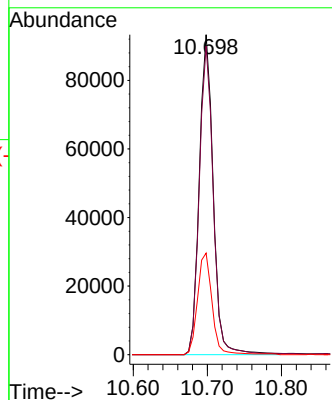
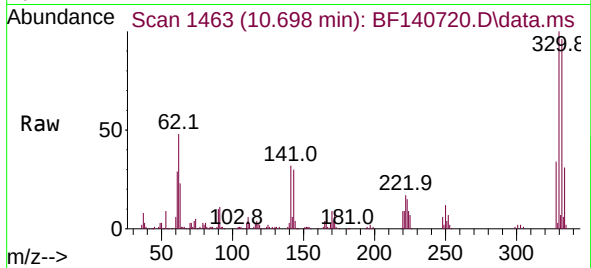




#42
2,4,6-Tribromophenol
Concen: 93.101 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140720.D
Acq: 03 Dec 2024 19:18

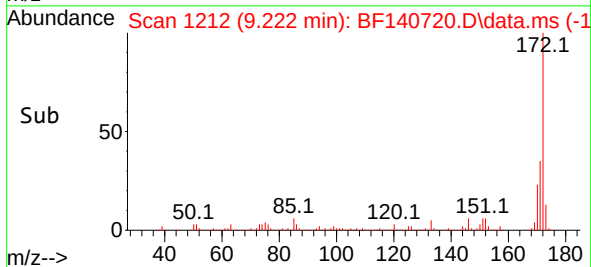
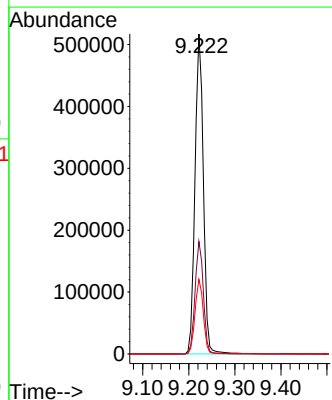
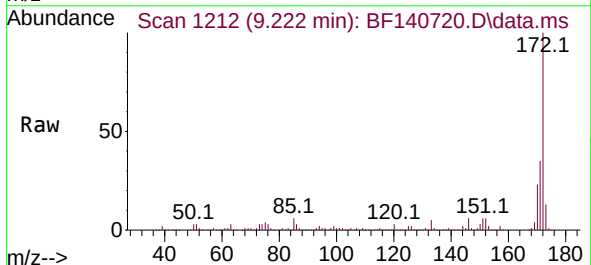
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ClientSampleId :
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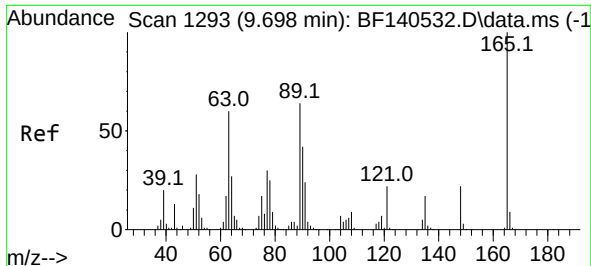
Tgt Ion: 330 Resp: 121853
Ion Ratio Lower Upper
330 100
332 97.1 76.9 115.3
141 33.2 26.7 40.1



#45
2-Fluorobiphenyl
Concen: 79.304 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF140720.D
Acq: 03 Dec 2024 19:18

Tgt Ion: 172 Resp: 651369
Ion Ratio Lower Upper
172 100
171 35.1 28.4 42.6
170 23.3 19.0 28.6

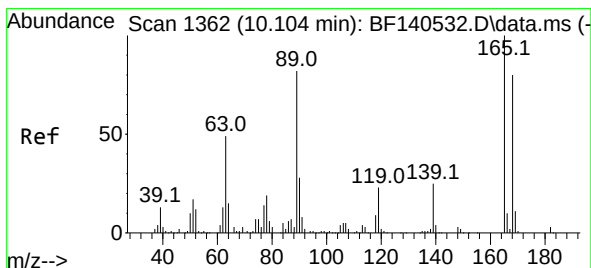
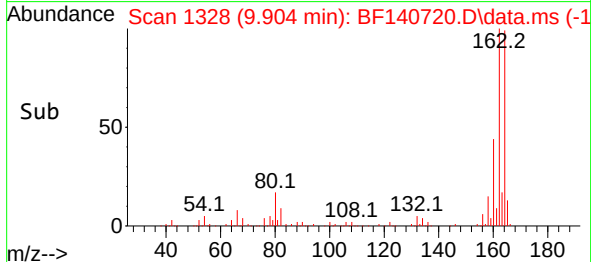
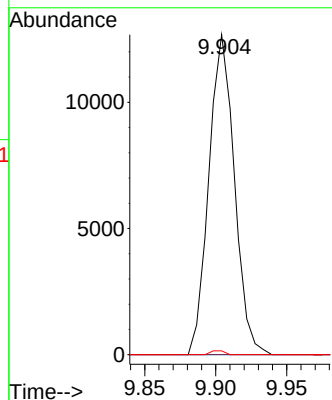
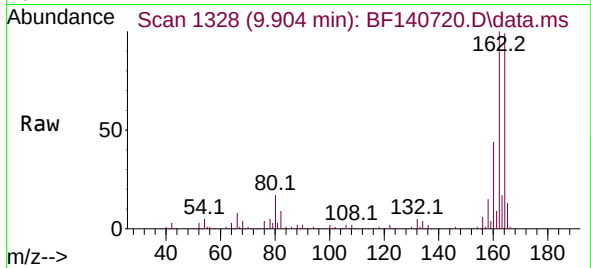




#51
2,6-Dinitrotoluene
Concen: 8.672 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF140720.D
Acq: 03 Dec 2024 19:18

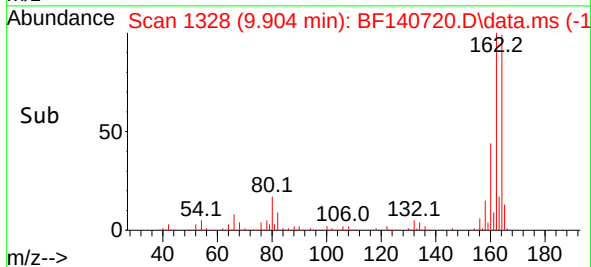
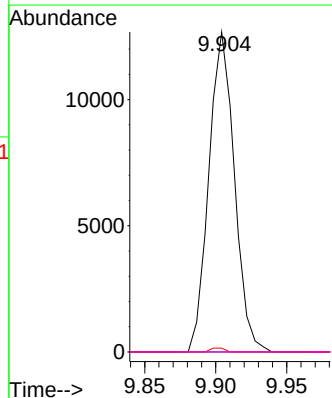
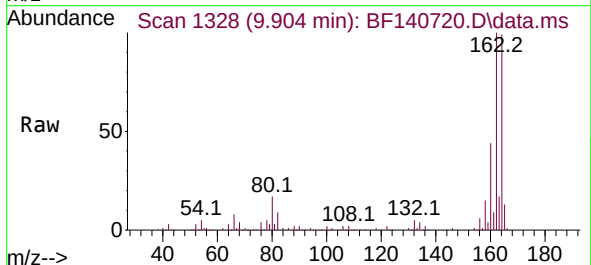
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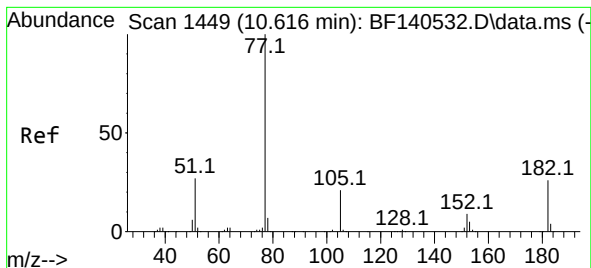
Tgt Ion:165 Resp: 15851
Ion Ratio Lower Upper
165 100
63 0.0 49.9 74.9#
89 1.2 50.9 76.3#



#57
2,4-Dinitrotoluene
Concen: 6.525 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF140720.D
Acq: 03 Dec 2024 19:18

Tgt Ion:165 Resp: 15851
Ion Ratio Lower Upper
165 100
63 0.0 41.7 62.5#
89 1.2 65.8 98.8#
182 0.0 2.1 3.1#





#63

Azobenzene

Concen: 2.783 ng

RT: 10.616 min Scan# 1449

Delta R.T. 0.000 min

Lab File: BF140720.D

Acq: 03 Dec 2024 19:18

Instrument :

BNA_F

ClientSampleId :

SOIL-EAST

Tgt Ion: 77 Resp: 21580

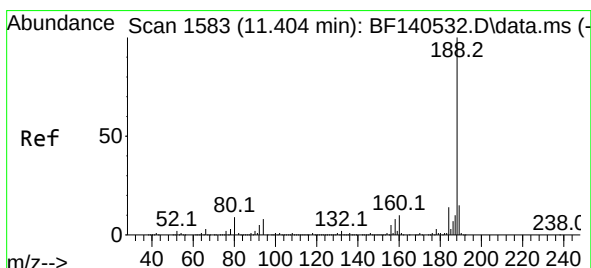
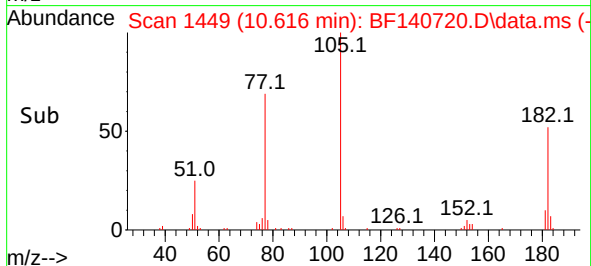
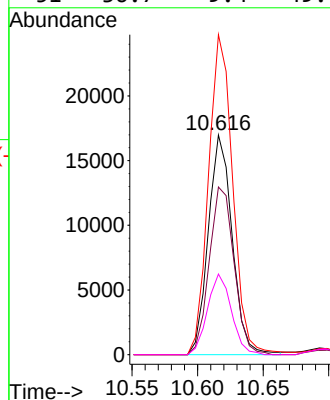
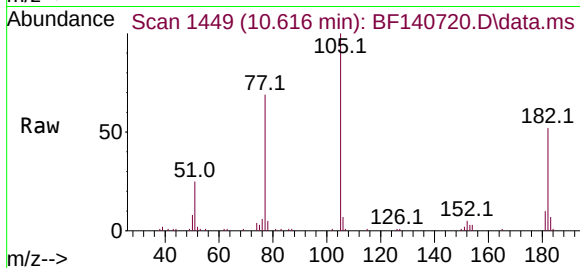
Ion Ratio Lower Upper

77 100

182 76.3 5.3 45.3#

105 145.7 0.3 40.3#

51 36.7 9.4 49.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1581

Delta R.T. -0.012 min

Lab File: BF140720.D

Acq: 03 Dec 2024 19:18

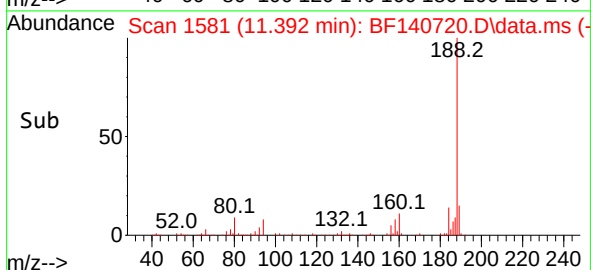
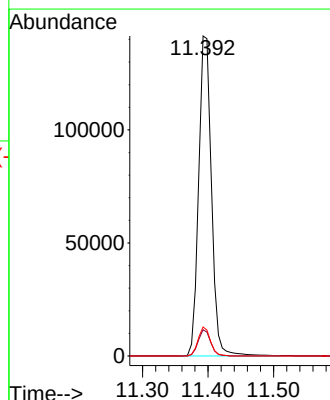
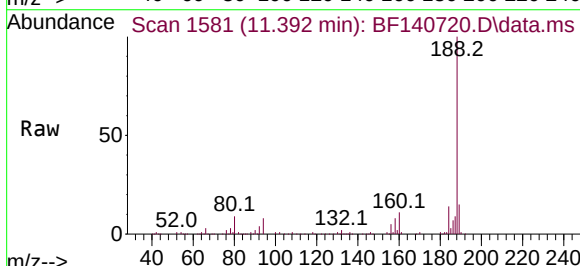
Tgt Ion: 188 Resp: 192762

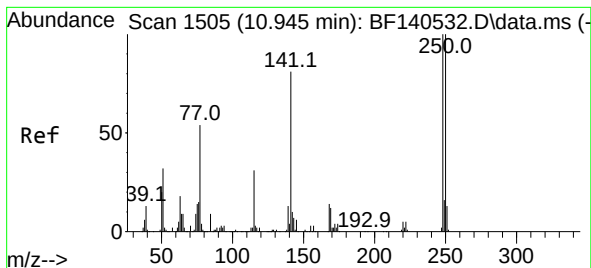
Ion Ratio Lower Upper

188 100

94 8.2 6.4 9.6

80 9.1 6.9 10.3

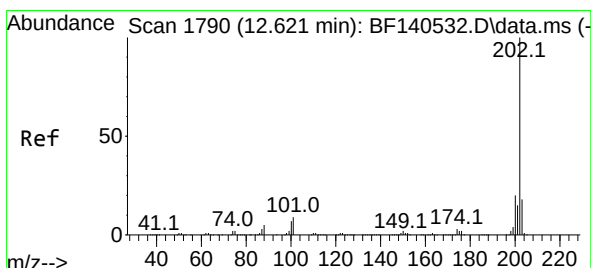
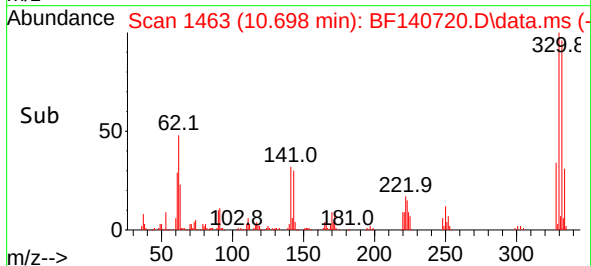
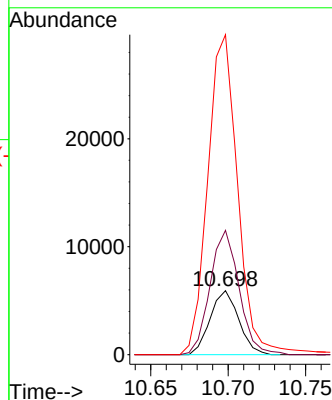
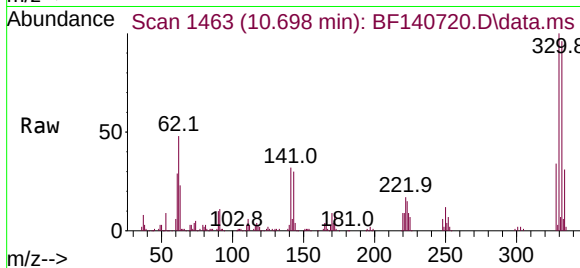




#67
4-Bromophenyl-phenylether
Concen: 3.820 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF140720.D
Acq: 03 Dec 2024 19:18

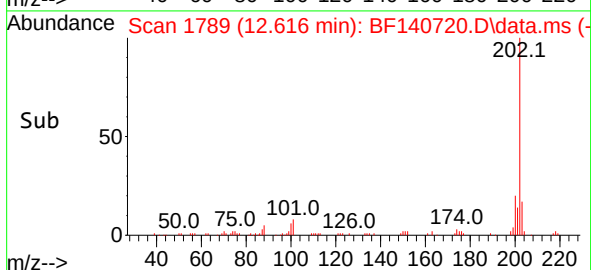
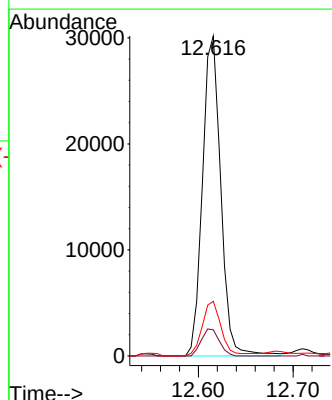
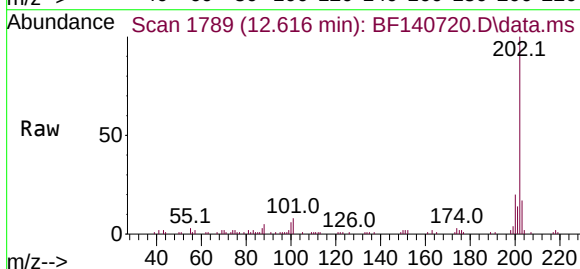
Instrument :
BNA_F
ClientSampleId :
SOIL-EAST

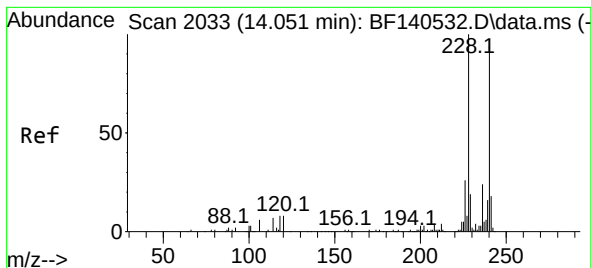
Tgt Ion:248 Resp: 7583
Ion Ratio Lower Upper
248 100
250 194.5 79.8 119.8#
141 500.3 64.7 97.1#



#75
Fluoranthene
Concen: 4.033 ng
RT: 12.616 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF140720.D
Acq: 03 Dec 2024 19:18

Tgt Ion:202 Resp: 40578
Ion Ratio Lower Upper
202 100
101 8.1 0.0 28.9
203 17.1 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF140720.D

Acq: 03 Dec 2024 19:18

Instrument :

BNA_F

ClientSampleId :

SOIL-EAST

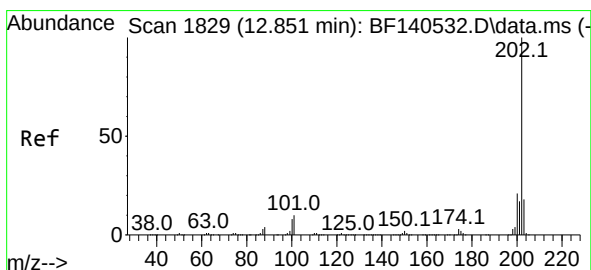
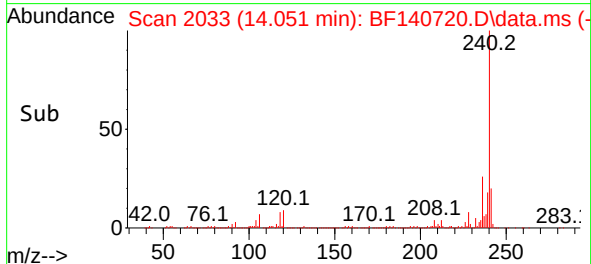
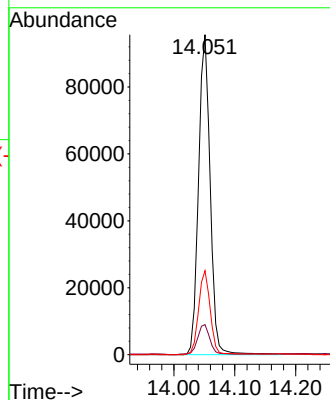
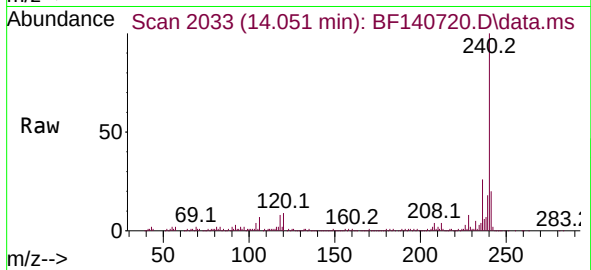
Tgt Ion:240 Resp: 126938

Ion Ratio Lower Upper

240 100

120 9.4 7.3 10.9

236 26.2 20.6 31.0



#78

Pyrene

Concen: 3.232 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.006 min

Lab File: BF140720.D

Acq: 03 Dec 2024 19:18

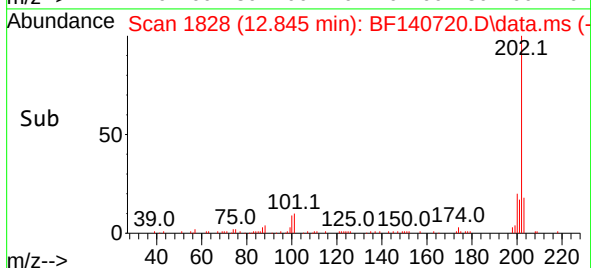
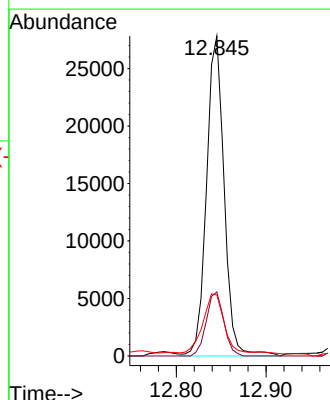
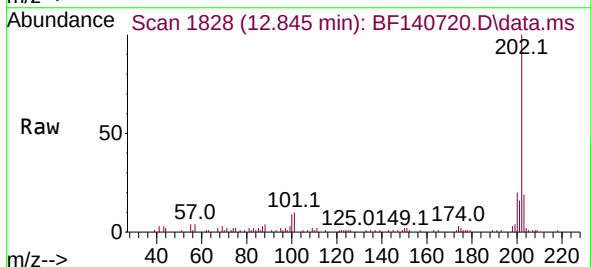
Tgt Ion:202 Resp: 37935

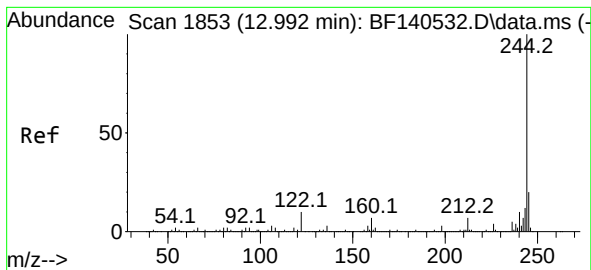
Ion Ratio Lower Upper

202 100

200 20.0 16.5 24.7

203 19.0 14.2 21.4





#79

Terphenyl-d14

Concen: 58.236 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.012 min

Lab File: BF140720.D

Acq: 03 Dec 2024 19:18

Instrument :

BNA_F

ClientSampleId :

SOIL-EAST

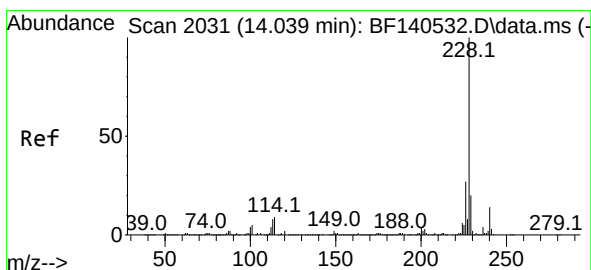
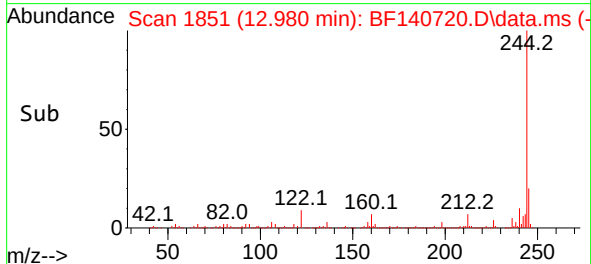
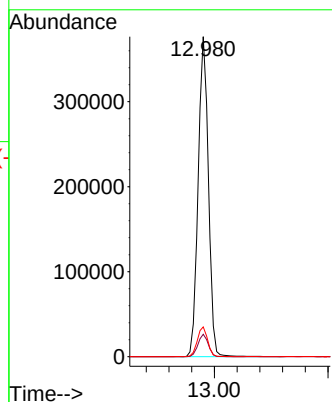
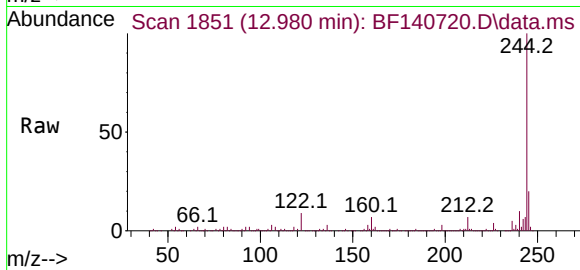
Tgt Ion:244 Resp: 474739

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

122 9.3 8.0 12.0



#81

Benzo(a)anthracene

Concen: 2.547 ng

RT: 14.039 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BF140720.D

Acq: 03 Dec 2024 19:18

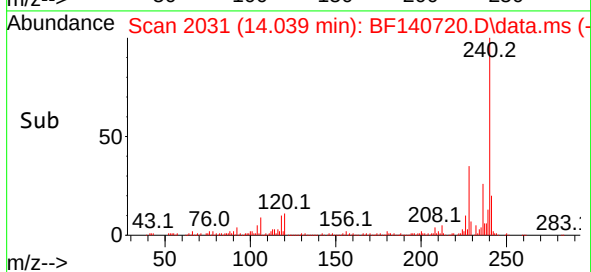
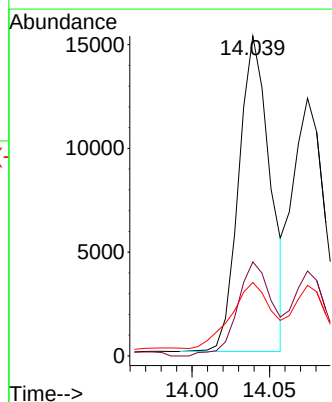
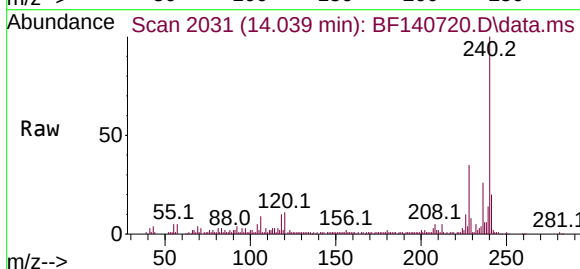
Tgt Ion:228 Resp: 21401

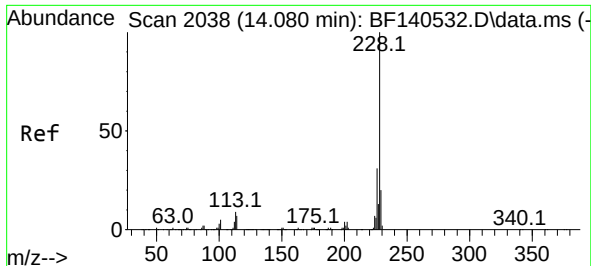
Ion Ratio Lower Upper

228 100

226 29.4 21.8 32.8

229 22.9 15.8 23.6

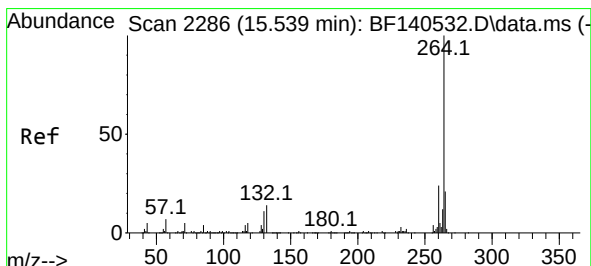
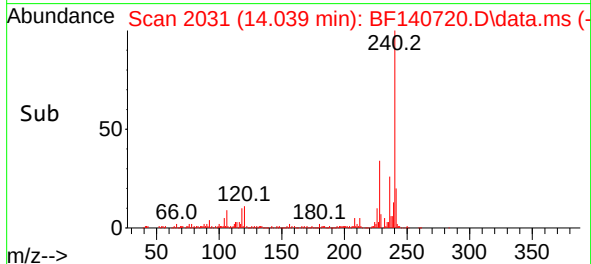
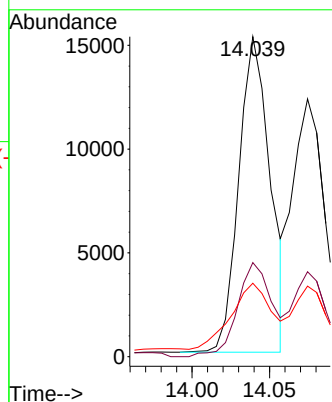
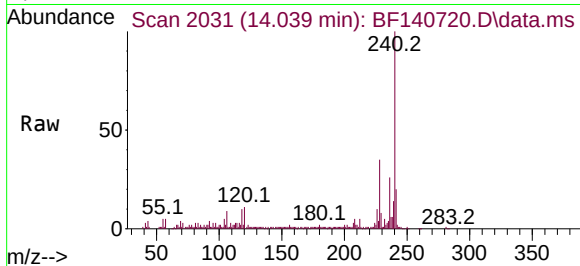




#83
Chrysene
Concen: 2.785 ng
RT: 14.039 min Scan# 2038
Delta R.T. -0.041 min
Lab File: BF140720.D
Acq: 03 Dec 2024 19:18

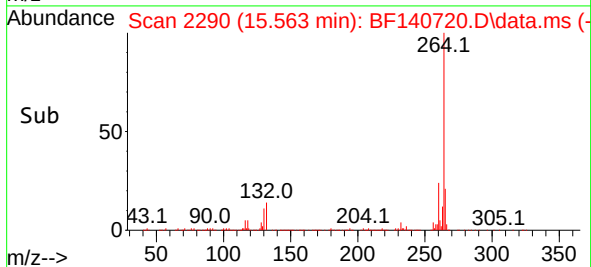
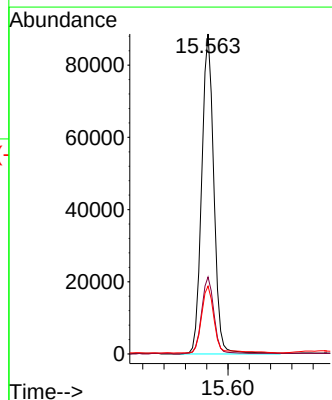
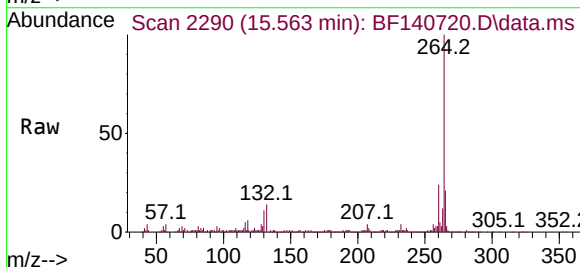
Instrument :
BNA_F
ClientSampleId :
SOIL-EAST

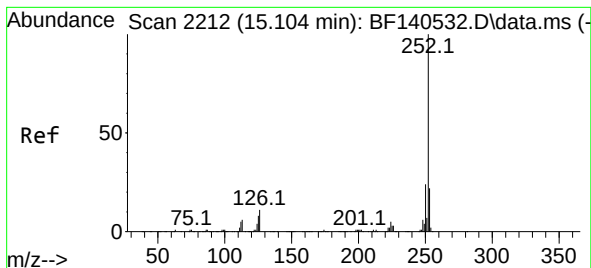
Tgt Ion:228	Resp:	21401
Ion Ratio	Lower	Upper
228	100	
226	29.4	24.4 36.6
229	22.9	15.8 23.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2290
Delta R.T. 0.024 min
Lab File: BF140720.D
Acq: 03 Dec 2024 19:18

Tgt Ion:264	Resp:	140674
Ion Ratio	Lower	Upper
264	100	
260	24.1	19.0 28.6
265	21.2	16.6 25.0





#88

Benzo(b)fluoranthene

Concen: 3.975 ng

RT: 15.127 min Scan# 2216

Delta R.T. 0.024 min

Lab File: BF140720.D

Acq: 03 Dec 2024 19:18

Instrument :

BNA_F

ClientSampleId :

SOIL-EAST

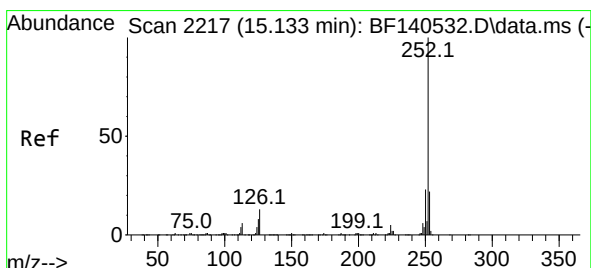
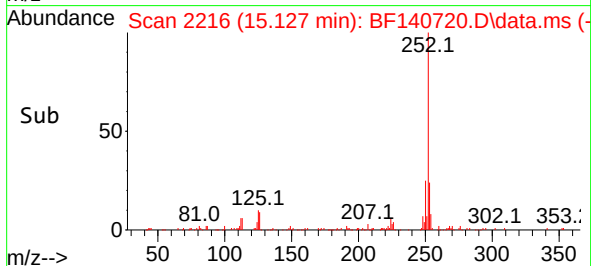
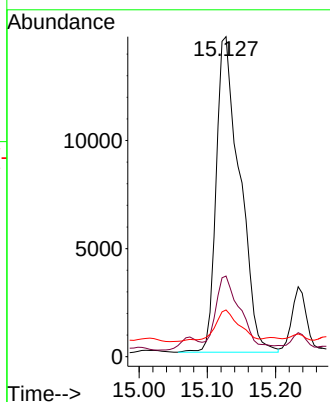
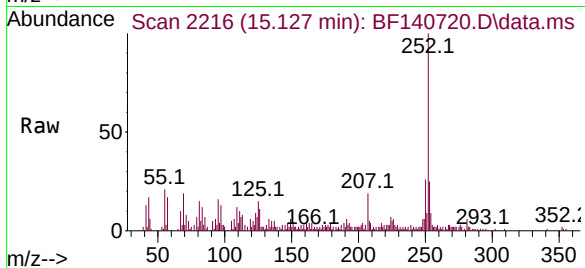
Tgt Ion:252 Resp: 35119

Ion Ratio Lower Upper

252 100

253 25.2 17.2 25.8

125 14.6 6.7 10.1#



#89

Benzo(k)fluoranthene

Concen: 4.542 ng

RT: 15.127 min Scan# 2216

Delta R.T. -0.006 min

Lab File: BF140720.D

Acq: 03 Dec 2024 19:18

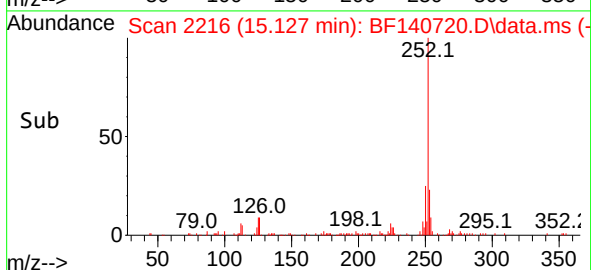
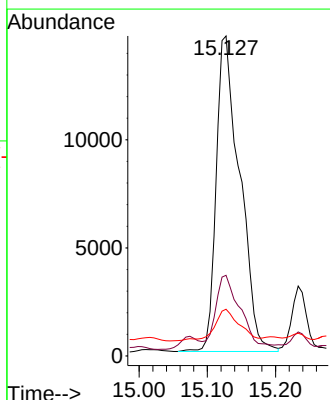
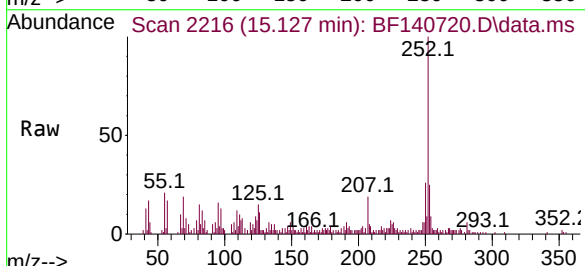
Tgt Ion:252 Resp: 35119

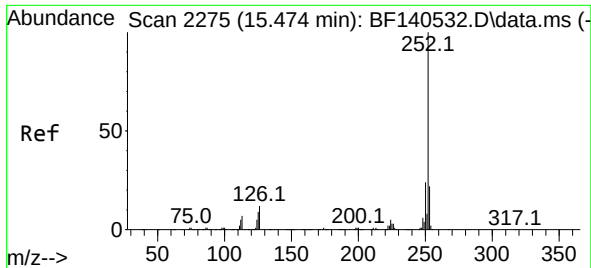
Ion Ratio Lower Upper

252 100

253 25.2 17.5 26.3

125 14.6 6.5 9.7#





#90
 Benzo(a)pyrene
 Concen: 2.575 ng
 RT: 15.498 min Scan# 21
 Delta R.T. 0.024 min
 Lab File: BF140720.D
 Acq: 03 Dec 2024 19:18

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-EAST

Tgt Ion:252 Resp: 18499
 Ion Ratio Lower Upper
 252 100
 253 26.5 17.3 25.9#
 125 14.4 7.0 10.6#

