

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
 Data File : BF140585.D
 Acq On : 22 Nov 2024 18:35
 Operator : RC/JU
 Sample : P4822-02RE
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-1

Quant Time: Nov 22 22:16:59 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)

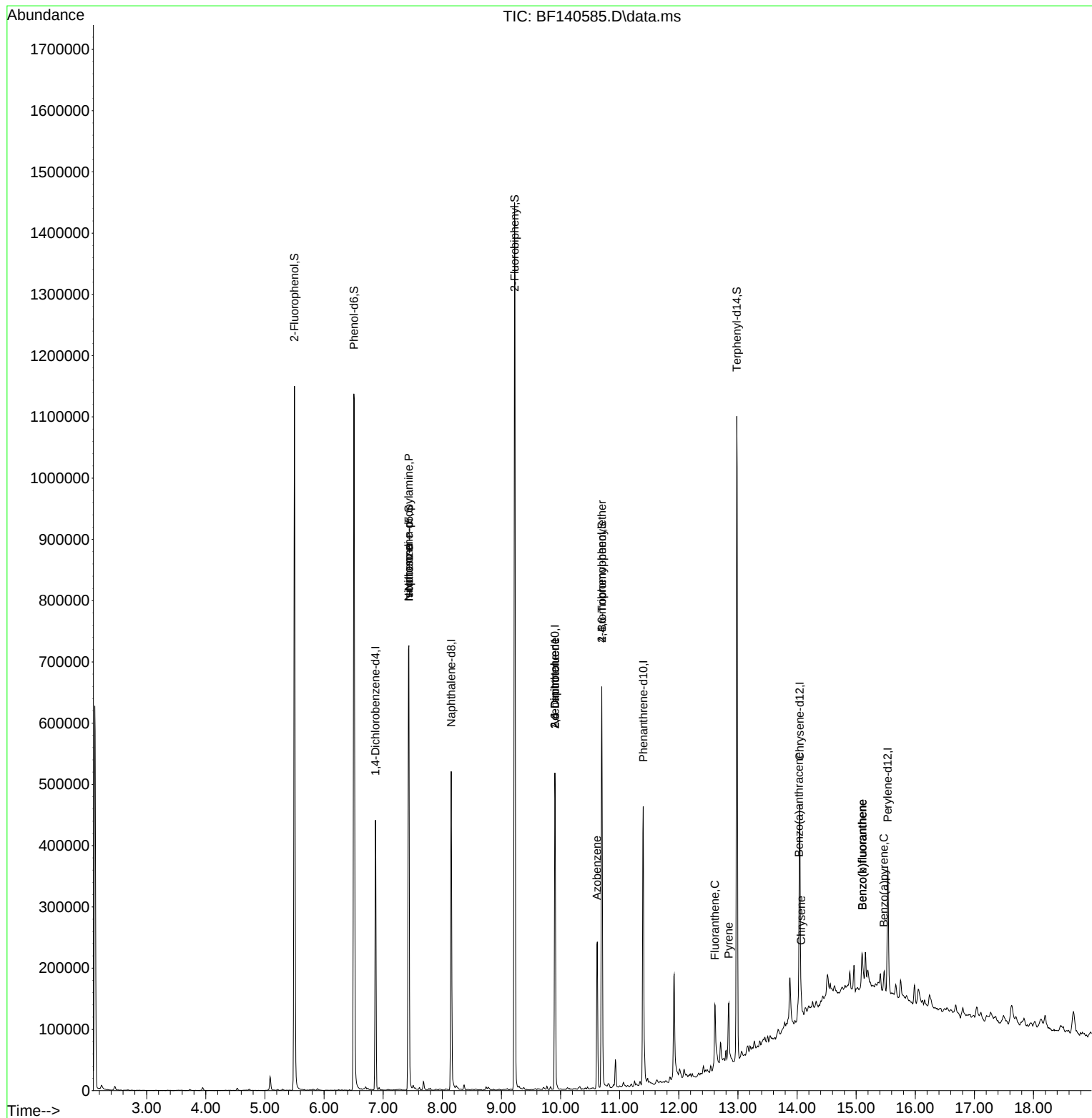
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	92752	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	331348	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	154566	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	245783	20.000	ng	0.00
76) Chrysene-d12	14.045	240	154652	20.000	ng	0.00
86) Perylene-d12	15.533	264	119489	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	428701	78.861	ng	0.00
7) Phenol-d6	6.504	99	548553	76.329	ng	-0.01
23) Nitrobenzene-d5	7.434	82	343419	53.014	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	109896	66.479	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	647259	62.393	ng	-0.01
79) Terphenyl-d14	12.980	244	515203	51.874	ng	-0.01
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	7.434	70	47216	11.117	ng	# 74
25) Isophorone	7.434	82	337437	31.231	ng	# 66
51) 2,6-Dinitrotoluene	9.904	165	19846	8.596	ng	# 20
57) 2,4-Dinitrotoluene	9.904	165	19846	6.468	ng	# 18
63) Azobenzene	10.616	77	65648	6.703	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	7234	2.858	ng	# 1
75) Fluoranthene	12.610	202	46260	3.606	ng	99
78) Pyrene	12.845	202	55476	3.880	ng	98
81) Benzo(a)anthracene	14.033	228	27433	2.680	ng	92
83) Chrysene	14.069	228	23594	2.520	ng	97
88) Benzo(b)fluoranthene	15.104	252	45625	6.079	ng	# 89
89) Benzo(k)fluoranthene	15.104	252	45625	6.947	ng	# 90
90) Benzo(a)pyrene	15.468	252	17420	2.855	ng	# 82

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

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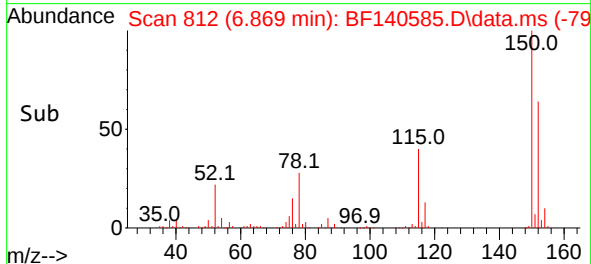
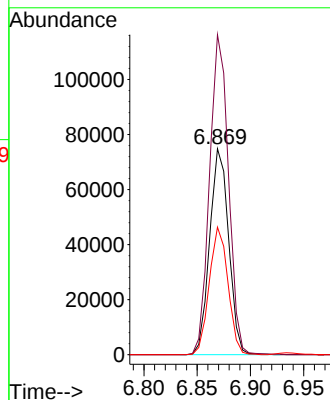
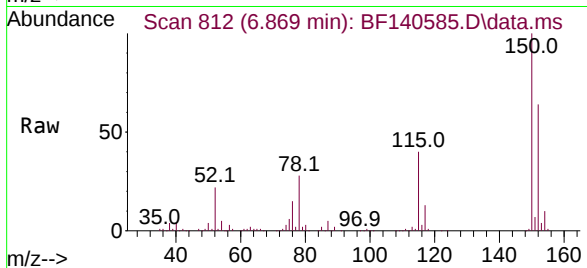




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140585.D
Acq: 22 Nov 2024 18:35

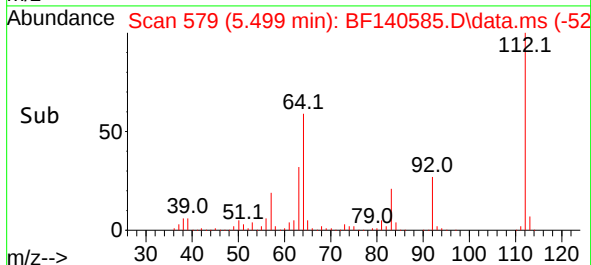
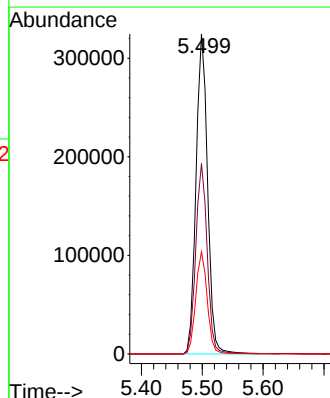
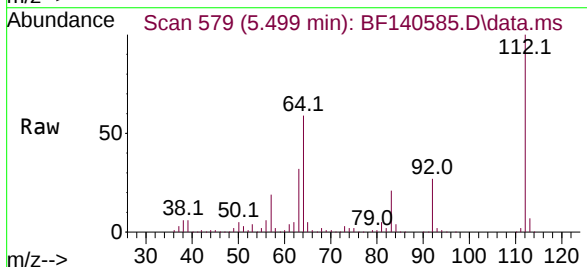
Instrument :
BNA_F
ClientSampleId :
SOIL-1

Tgt Ion:152 Resp: 92752
Ion Ratio Lower Upper
152 100
150 155.3 128.5 192.7
115 61.9 50.2 75.4



#5
2-Fluorophenol
Concen: 78.861 ng
RT: 5.499 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF140585.D
Acq: 22 Nov 2024 18:35

Tgt Ion:112 Resp: 428701
Ion Ratio Lower Upper
112 100
64 59.5 49.2 73.8
63 31.9 27.0 40.4





#7

Phenol-d6

Concen: 76.329 ng

RT: 6.504 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF140585.D

Acq: 22 Nov 2024 18:35

Instrument :

BNA_F

ClientSampleId :

SOIL-1

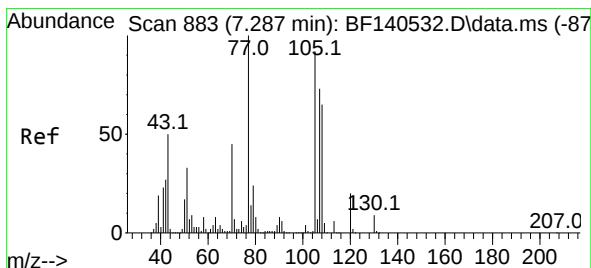
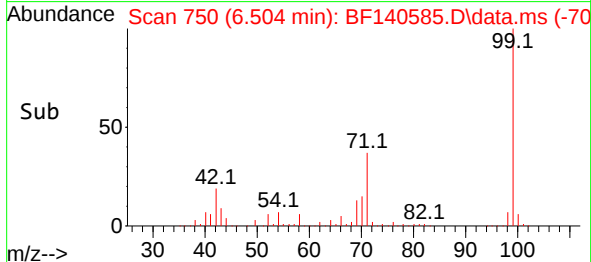
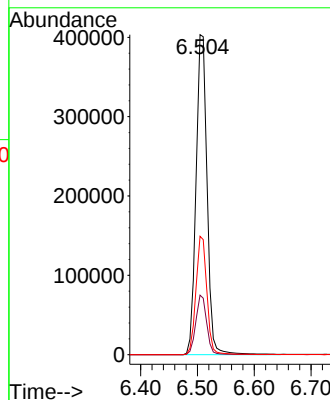
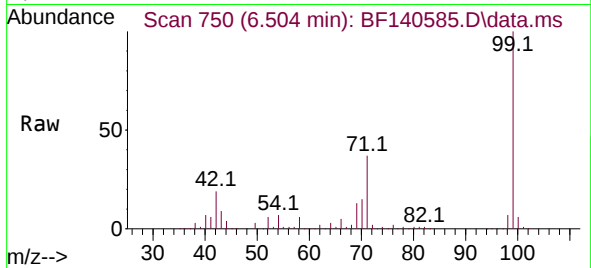
Tgt Ion: 99 Resp: 548553

Ion Ratio Lower Upper

99 100

42 18.6 15.4 23.0

71 37.0 30.6 46.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.117 ng

RT: 7.434 min Scan# 908

Delta R.T. 0.147 min

Lab File: BF140585.D

Acq: 22 Nov 2024 18:35

Tgt Ion: 70 Resp: 47216

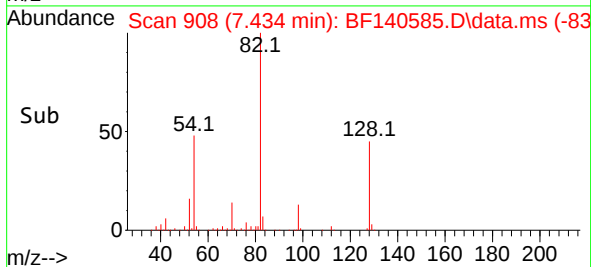
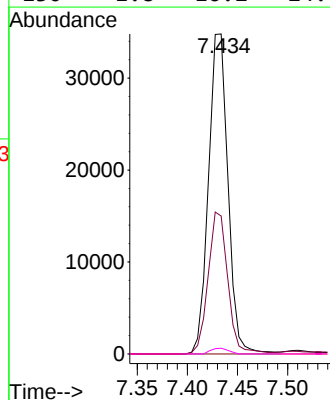
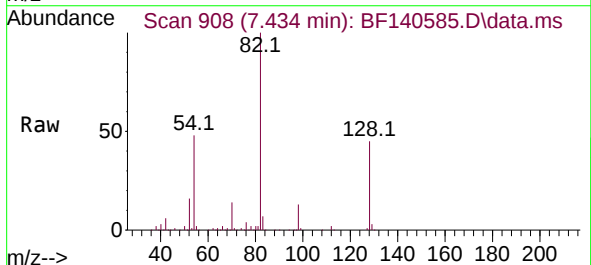
Ion Ratio Lower Upper

70 100

42 43.1 47.6 71.4#

101 0.0 7.6 11.4#

130 1.8 16.2 24.4#

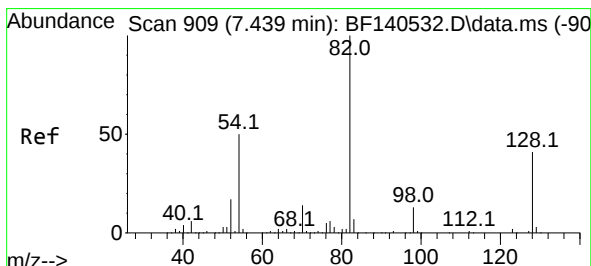
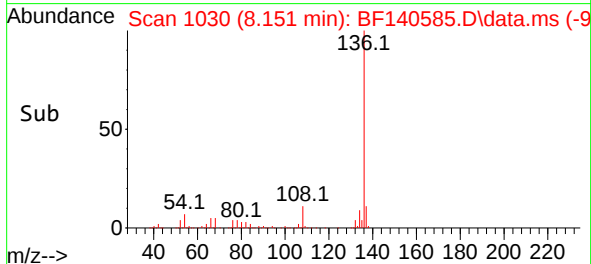
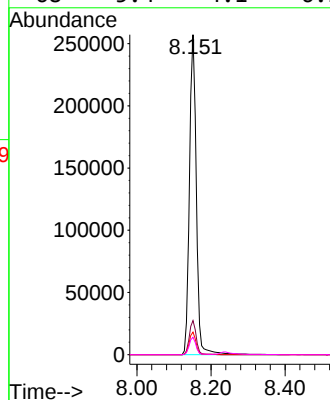
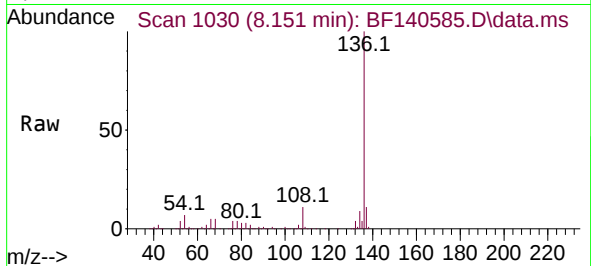




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF140585.D
Acq: 22 Nov 2024 18:35

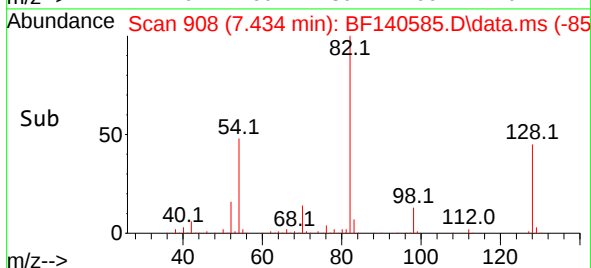
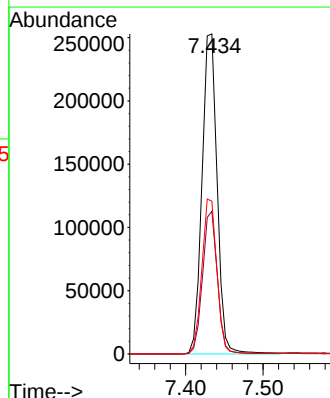
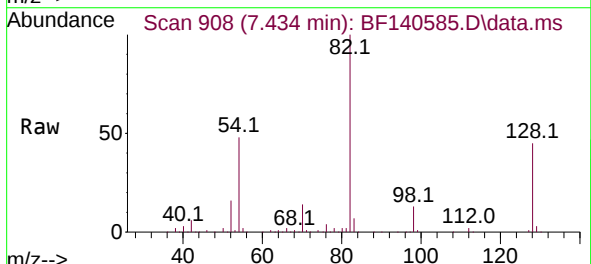
Instrument :
BNA_F
ClientSampleId :
SOIL-1

Tgt Ion:136	Resp: 331348
Ion Ratio	Lower Upper
136 100	
137 10.7	8.6 13.0
54 7.0	5.8 8.8
68 5.4	4.1 6.1



#23
Nitrobenzene-d5
Concen: 53.014 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF140585.D
Acq: 22 Nov 2024 18:35

Tgt Ion: 82	Resp: 343419
Ion Ratio	Lower Upper
82 100	
128 44.6	33.0 49.4
54 47.8	39.5 59.3

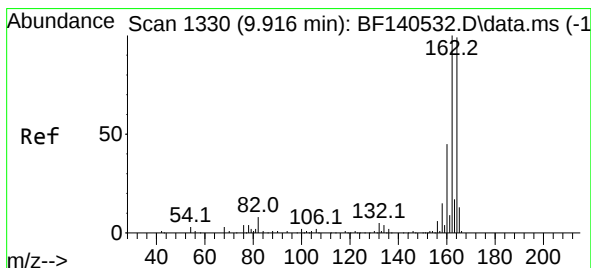
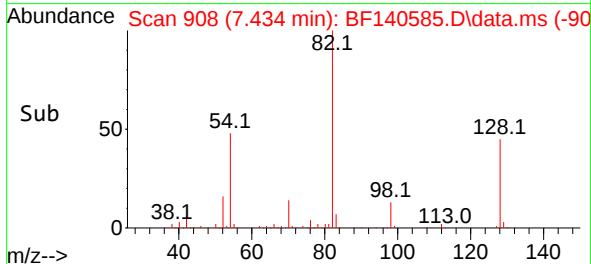
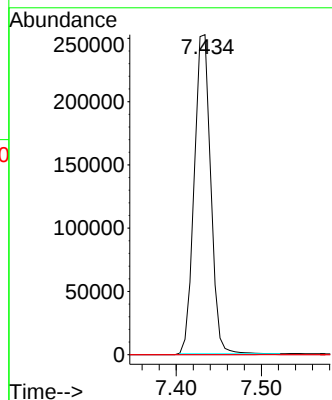
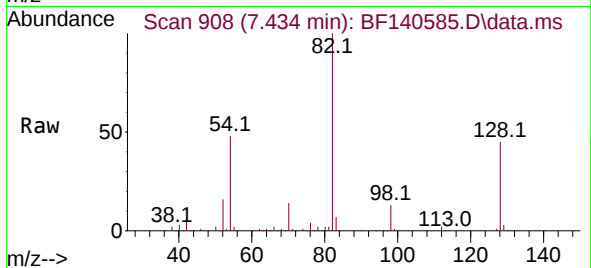




#25
Isophorone
Concen: 31.231 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF140585.D
Acq: 22 Nov 2024 18:35

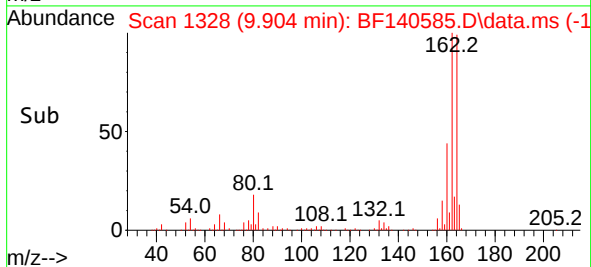
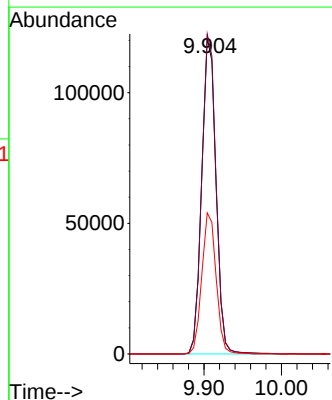
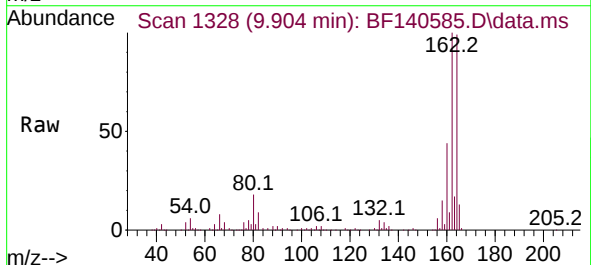
Instrument :
BNA_F
ClientSampleId :
SOIL-1

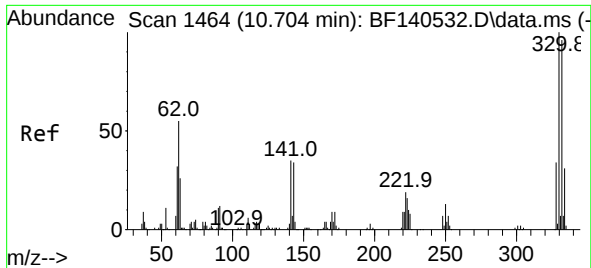
Tgt Ion: 82 Resp: 337437
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.8 20.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140585.D
Acq: 22 Nov 2024 18:35

Tgt Ion:164 Resp: 154566
Ion Ratio Lower Upper
164 100
162 101.3 80.6 120.8
160 44.7 36.2 54.4

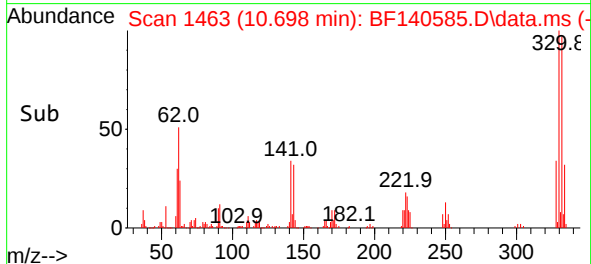
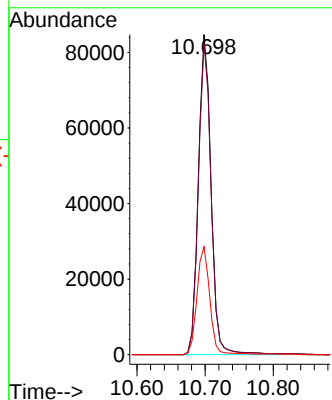
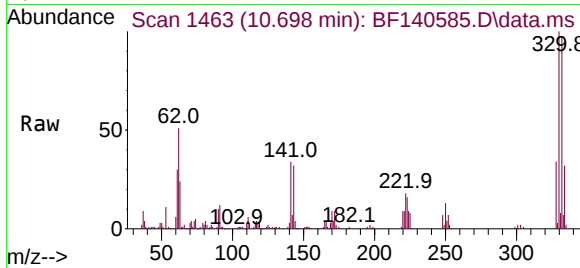




#42
2,4,6-Tribromophenol
Concen: 66.479 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140585.D
Acq: 22 Nov 2024 18:35

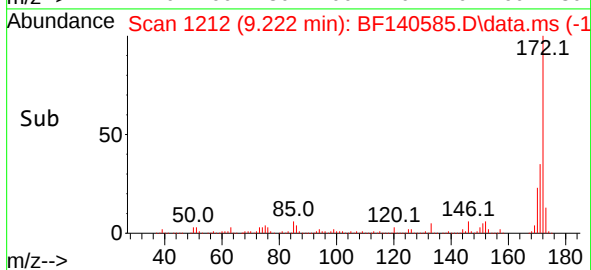
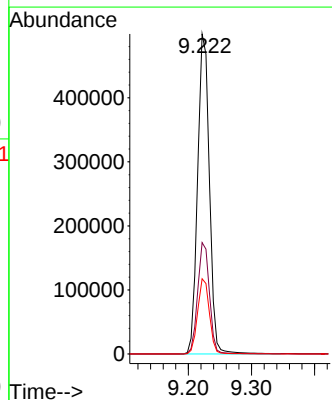
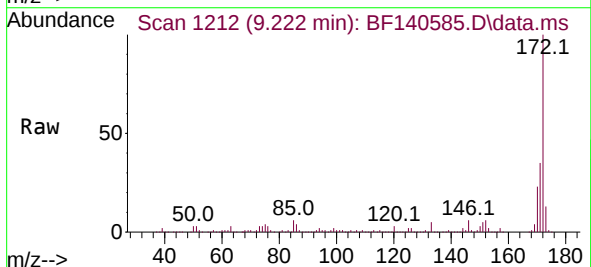
Instrument :
BNA_F
ClientSampleId :
SOIL-1

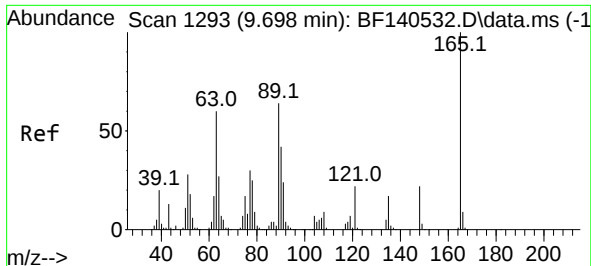
Tgt Ion:330 Resp: 109896
Ion Ratio Lower Upper
330 100
332 98.0 76.9 115.3
141 34.0 26.7 40.1



#45
2-Fluorobiphenyl
Concen: 62.393 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF140585.D
Acq: 22 Nov 2024 18:35

Tgt Ion:172 Resp: 647259
Ion Ratio Lower Upper
172 100
171 34.8 28.4 42.6
170 23.5 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 8.596 ng

RT: 9.904 min Scan# 1

Delta R.T. 0.206 min

Lab File: BF140585.D

Acq: 22 Nov 2024 18:35

Instrument :

BNA_F

ClientSampleId :

SOIL-1

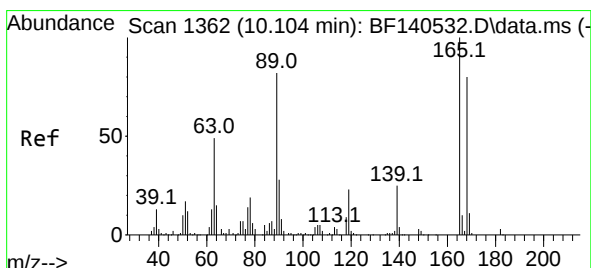
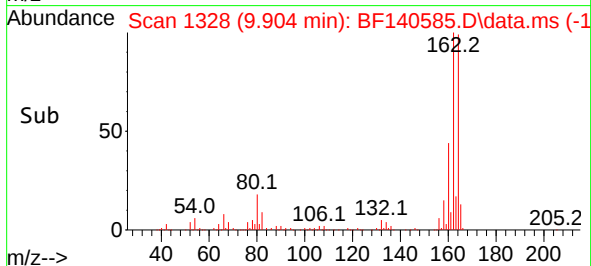
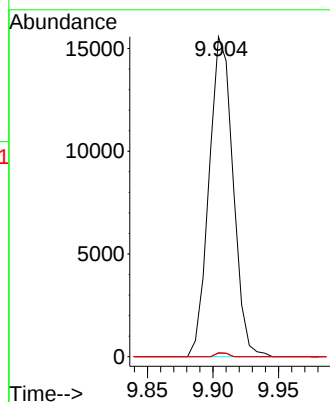
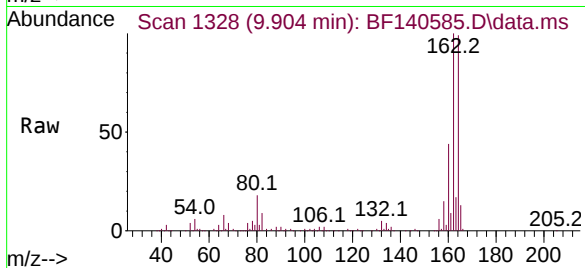
Tgt Ion:165 Resp: 19846

Ion Ratio Lower Upper

165 100

63 1.1 49.9 74.9#

89 1.3 50.9 76.3#



#57

2,4-Dinitrotoluene

Concen: 6.468 ng

RT: 9.904 min Scan# 1328

Delta R.T. -0.200 min

Lab File: BF140585.D

Acq: 22 Nov 2024 18:35

Tgt Ion:165 Resp: 19846

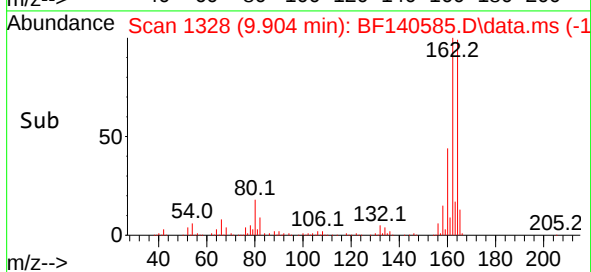
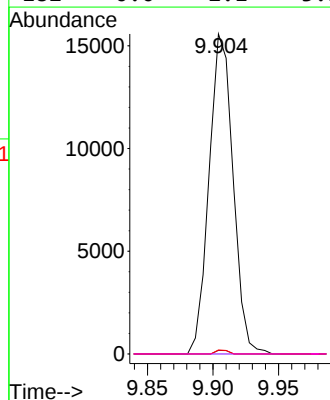
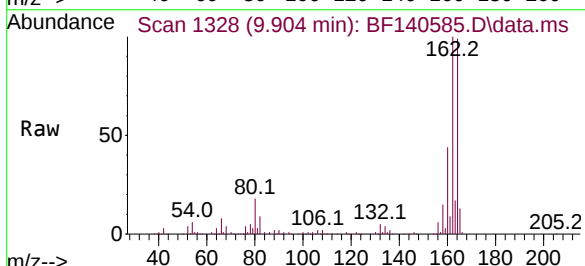
Ion Ratio Lower Upper

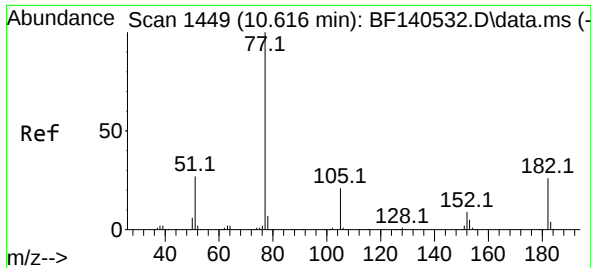
165 100

63 1.1 41.7 62.5#

89 1.3 65.8 98.8#

182 0.0 2.1 3.1#

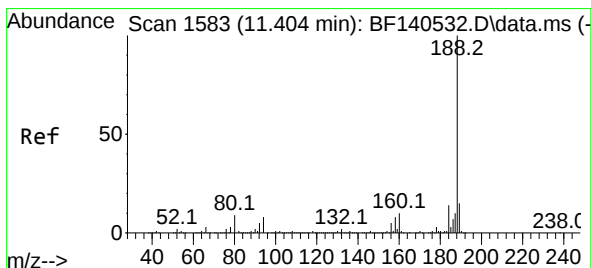
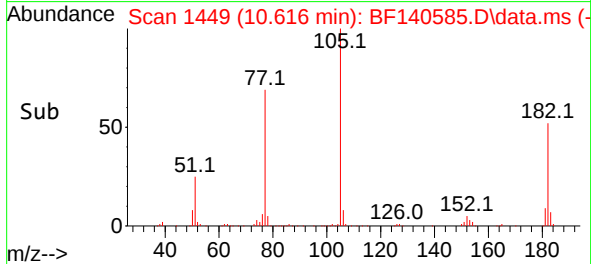
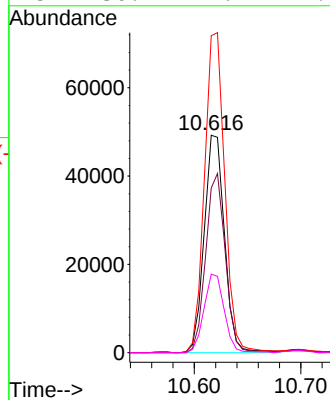
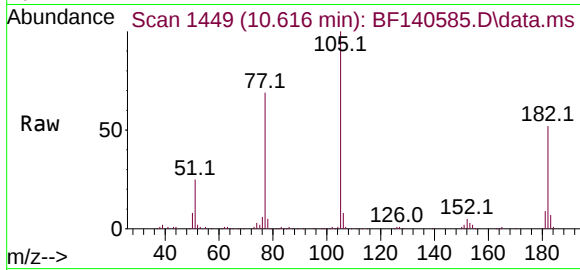




#63
Azobenzene
Concen: 6.703 ng
RT: 10.616 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BF140585.D
Acq: 22 Nov 2024 18:35

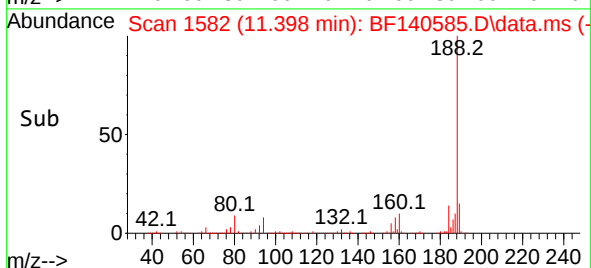
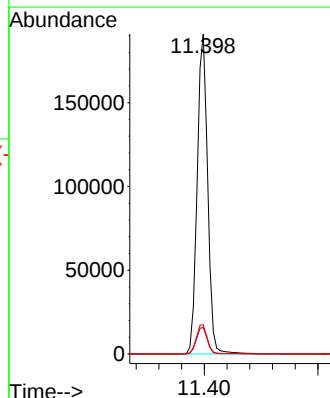
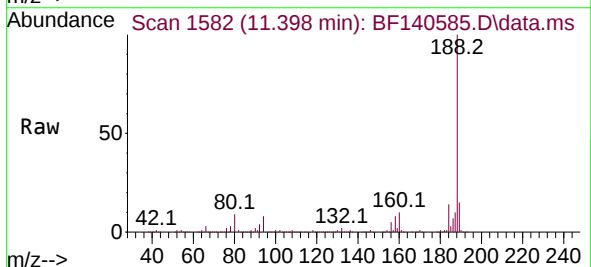
Instrument :
BNA_F
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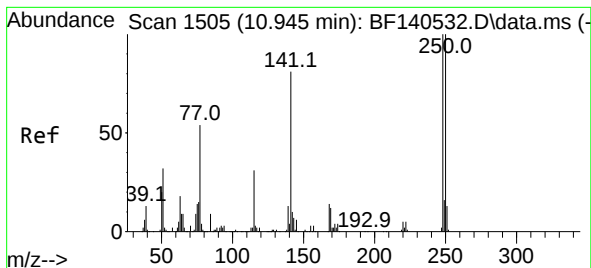
Tgt Ion: 77 Resp: 65648
Ion Ratio Lower Upper
77 100
182 75.7 5.3 45.3#
105 145.8 0.3 40.3#
51 36.2 9.4 49.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140585.D
Acq: 22 Nov 2024 18:35

Tgt Ion: 188 Resp: 245783
Ion Ratio Lower Upper
188 100
94 8.3 6.4 9.6
80 9.1 6.9 10.3

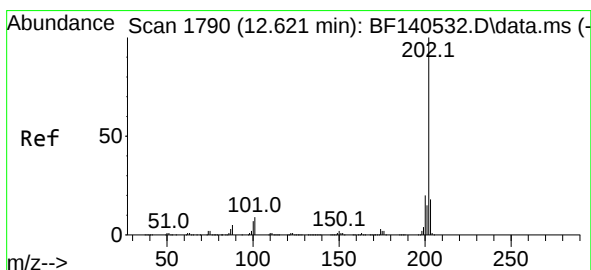
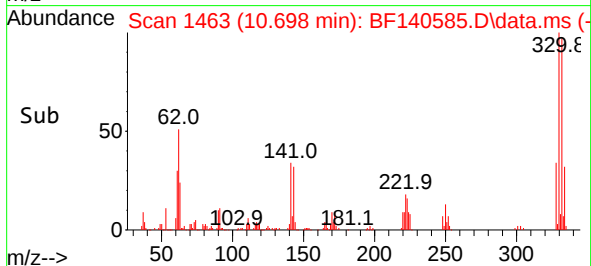
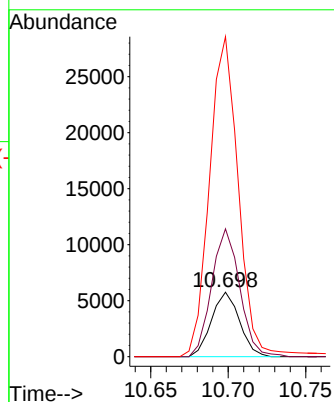
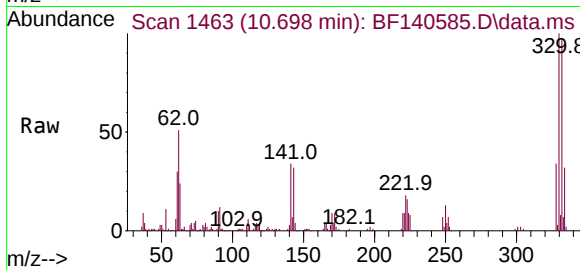




#67
4-Bromophenyl-phenylether
Concen: 2.858 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF140585.D
Acq: 22 Nov 2024 18:35

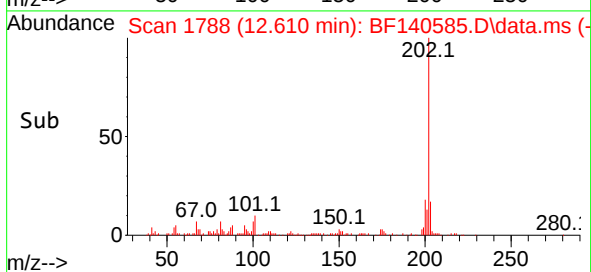
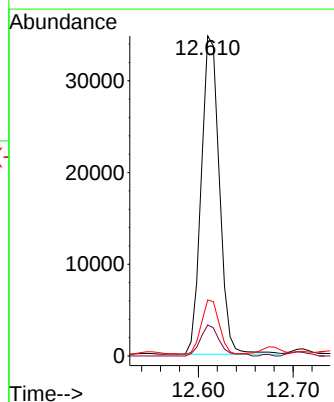
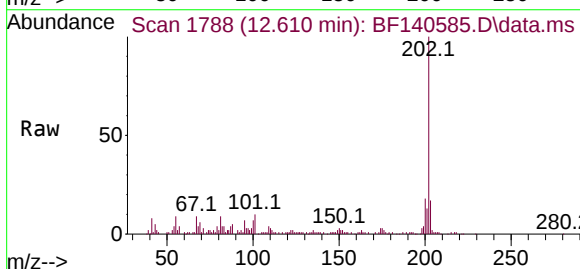
Instrument :
BNA_F
ClientSampleId :
SOIL-1

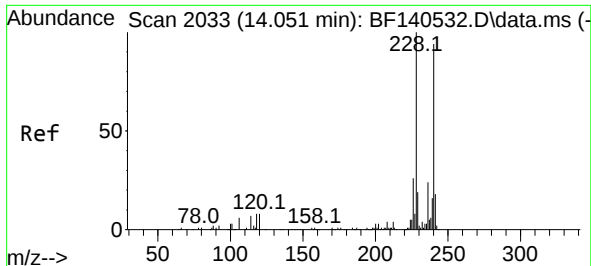
Tgt Ion:248 Resp: 7234
Ion Ratio Lower Upper
248 100
250 198.2 79.8 119.8#
141 495.7 64.7 97.1#



#75
Fluoranthene
Concen: 3.606 ng
RT: 12.610 min Scan# 1788
Delta R.T. -0.012 min
Lab File: BF140585.D
Acq: 22 Nov 2024 18:35

Tgt Ion:202 Resp: 46260
Ion Ratio Lower Upper
202 100
101 9.7 0.0 28.9
203 17.5 0.0 37.6

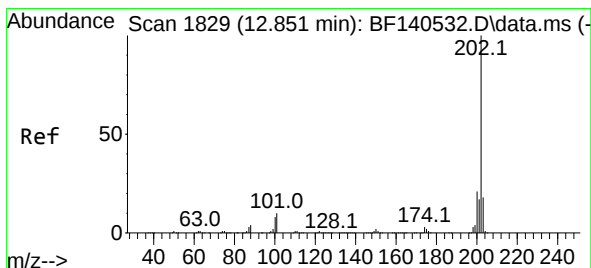
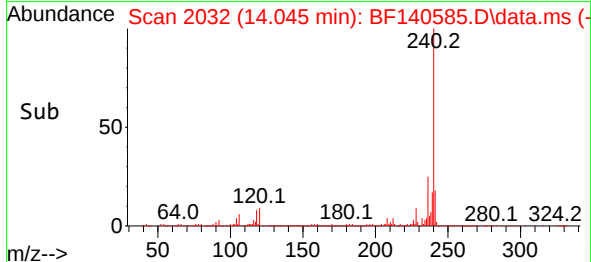
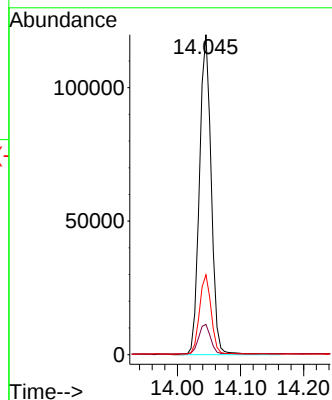
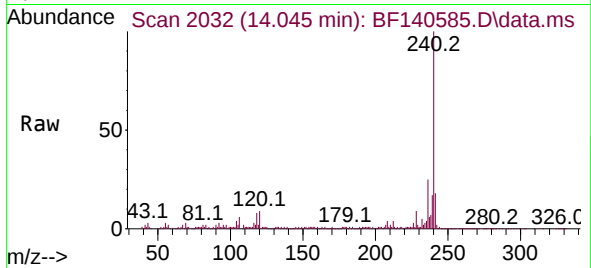




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF140585.D
Acq: 22 Nov 2024 18:35

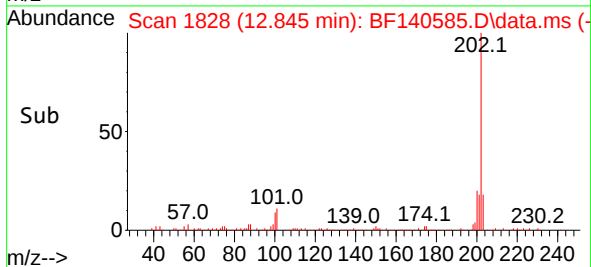
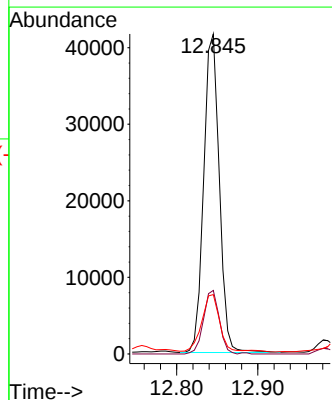
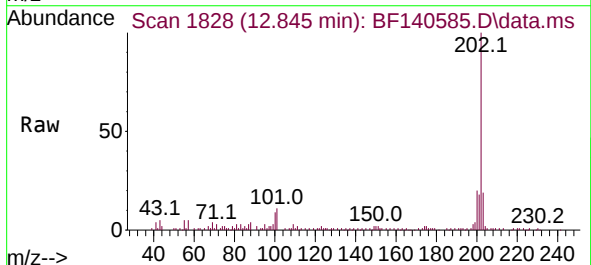
Instrument :
BNA_F
ClientSampleId :
SOIL-1

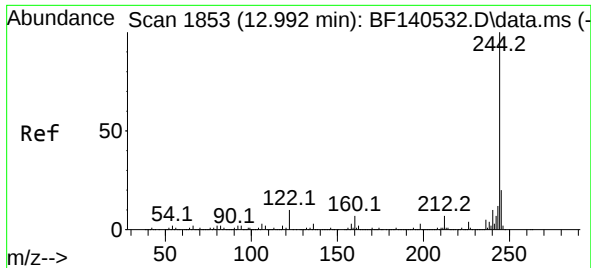
Tgt Ion:240 Resp: 154652
Ion Ratio Lower Upper
240 100
120 9.4 7.3 10.9
236 24.9 20.6 31.0



#78
Pyrene
Concen: 3.880 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF140585.D
Acq: 22 Nov 2024 18:35

Tgt Ion:202 Resp: 55476
Ion Ratio Lower Upper
202 100
200 19.9 16.5 24.7
203 18.5 14.2 21.4

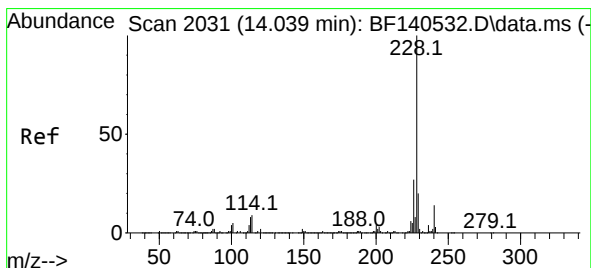
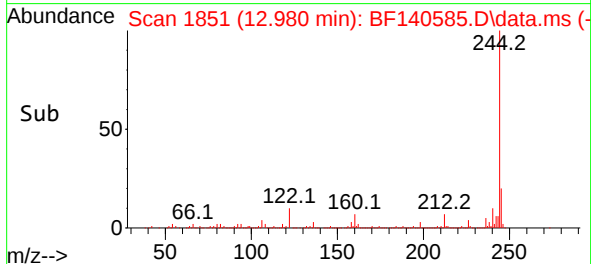
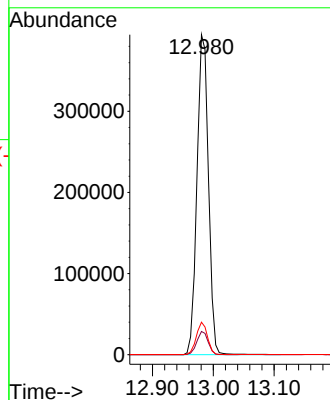
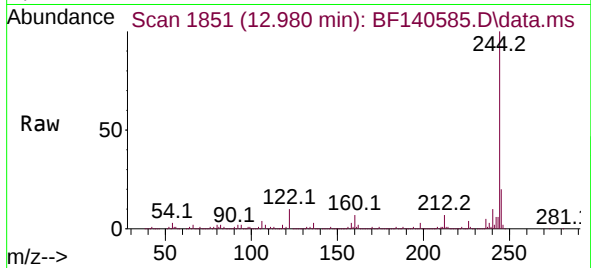




#79
 Terphenyl-d14
 Concen: 51.874 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.012 min
 Lab File: BF140585.D
 Acq: 22 Nov 2024 18:35

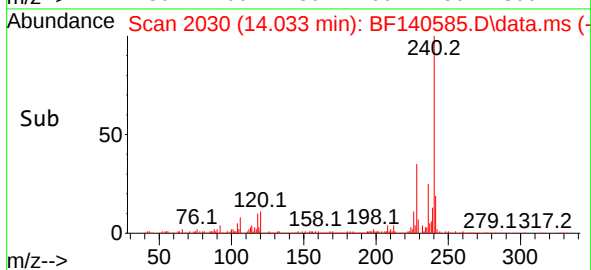
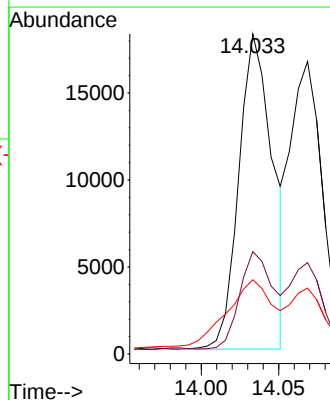
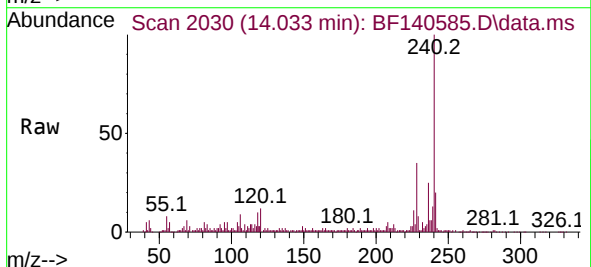
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-1

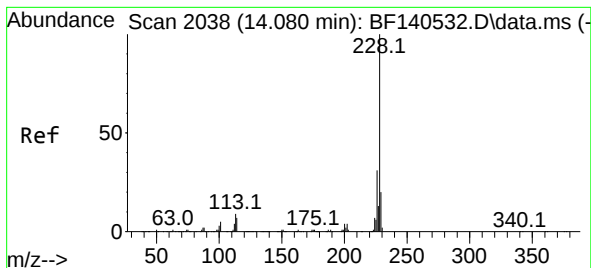
Tgt Ion:244 Resp: 515203
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.8 8.8
 122 10.2 8.0 12.0



#81
 Benzo(a)anthracene
 Concen: 2.680 ng
 RT: 14.033 min Scan# 2030
 Delta R.T. -0.006 min
 Lab File: BF140585.D
 Acq: 22 Nov 2024 18:35

Tgt Ion:228 Resp: 27433
 Ion Ratio Lower Upper
 228 100
 226 32.0 21.8 32.8
 229 23.2 15.8 23.6





#83

Chrysene

Concen: 2.520 ng

RT: 14.069 min Scan# 2038

Delta R.T. -0.012 min

Lab File: BF140585.D

Acq: 22 Nov 2024 18:35

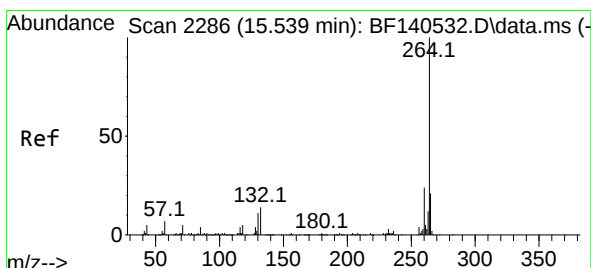
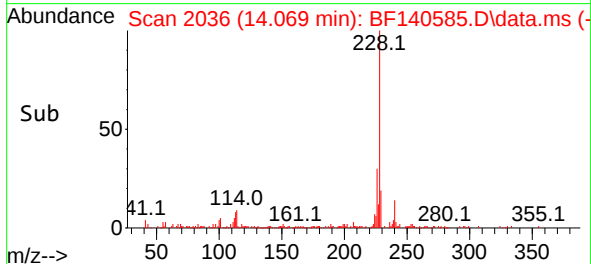
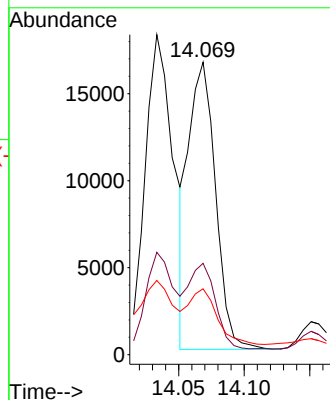
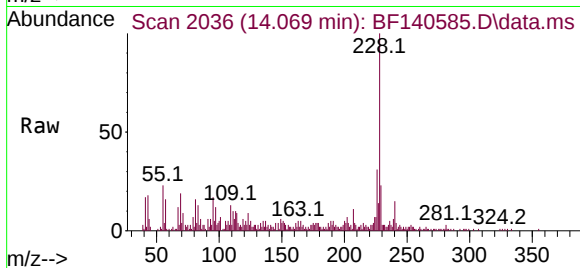
Instrument :

BNA_F

ClientSampleId :

SOIL-1

Tgt Ion:228	Resp:	23594
Ion Ratio	Lower	Upper
228	100	
226	31.3	24.4 36.6
229	22.5	15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

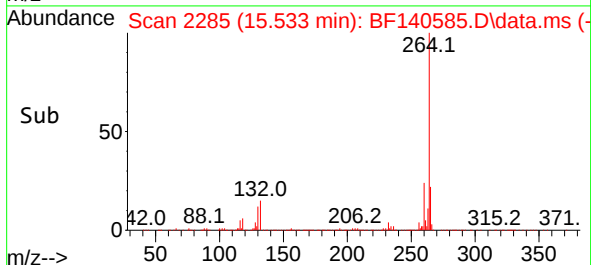
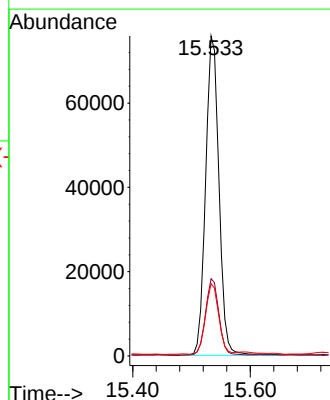
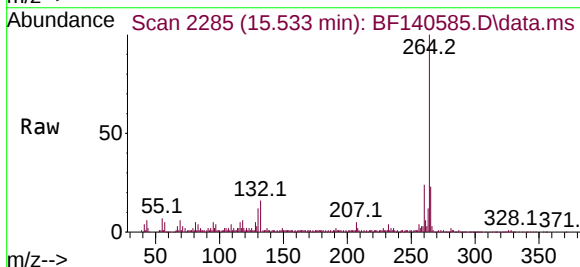
RT: 15.533 min Scan# 2285

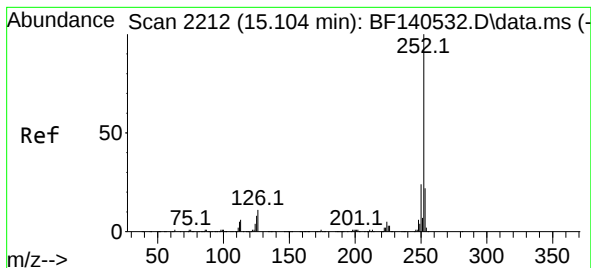
Delta R.T. -0.006 min

Lab File: BF140585.D

Acq: 22 Nov 2024 18:35

Tgt Ion:264	Resp:	119489
Ion Ratio	Lower	Upper
264	100	
260	24.2	19.0 28.6
265	22.6	16.6 25.0





#88

Benzo(b)fluoranthene

Concen: 6.079 ng

RT: 15.104 min Scan# 2212

Delta R.T. 0.000 min

Lab File: BF140585.D

Acq: 22 Nov 2024 18:35

Instrument :

BNA_F

ClientSampleId :

SOIL-1

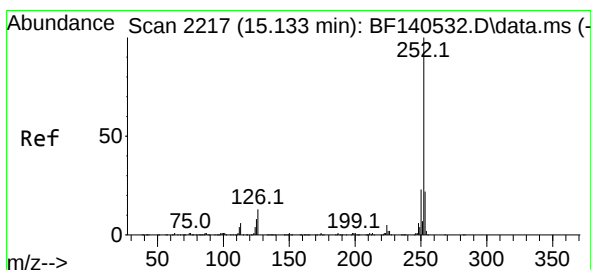
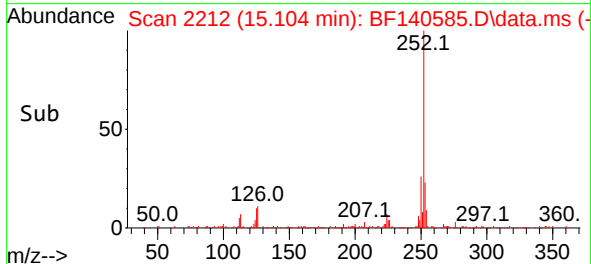
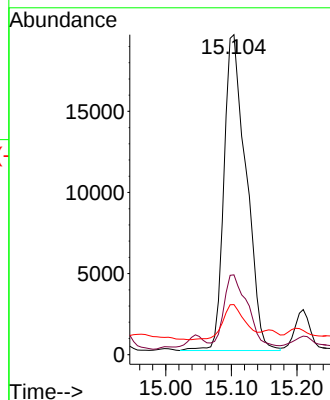
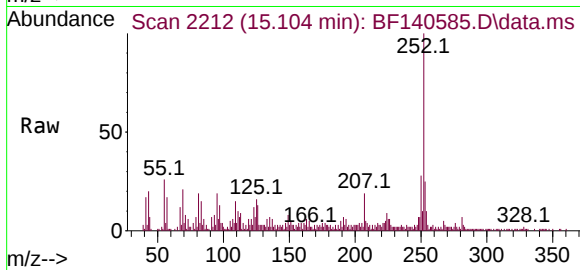
Tgt Ion:252 Resp: 45625

Ion Ratio Lower Upper

252 100

253 25.0 17.2 25.8

125 15.6 6.7 10.1#



#89

Benzo(k)fluoranthene

Concen: 6.947 ng

RT: 15.104 min Scan# 2212

Delta R.T. -0.029 min

Lab File: BF140585.D

Acq: 22 Nov 2024 18:35

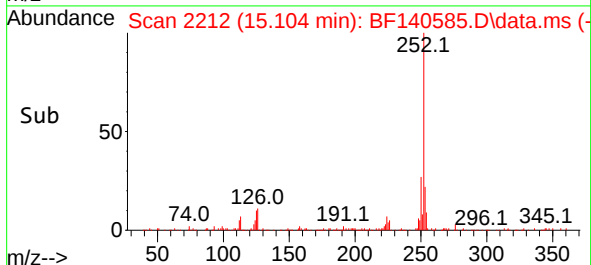
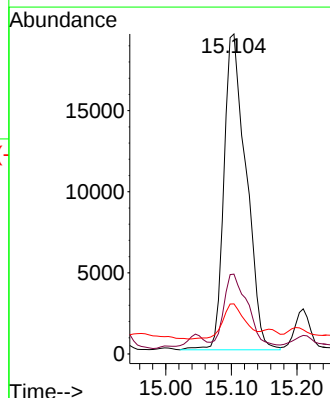
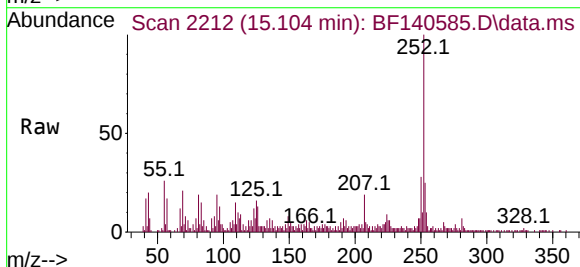
Tgt Ion:252 Resp: 45625

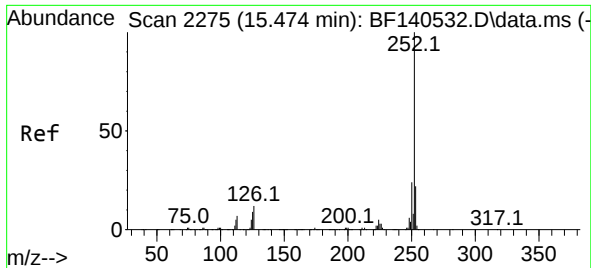
Ion Ratio Lower Upper

252 100

253 25.0 17.5 26.3

125 15.6 6.5 9.7#





#90
 Benzo(a)pyrene
 Concen: 2.855 ng
 RT: 15.468 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF140585.D
 Acq: 22 Nov 2024 18:35

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-1

Tgt Ion:252 Resp: 17420
 Ion Ratio Lower Upper
 252 100
 253 27.9 17.3 25.9#
 125 19.5 7.0 10.6#

