

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
 Data File : BF140585.D
 Acq On : 22 Nov 2024 18:35
 Operator : RC/JU
 Sample : P4822-02
 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)

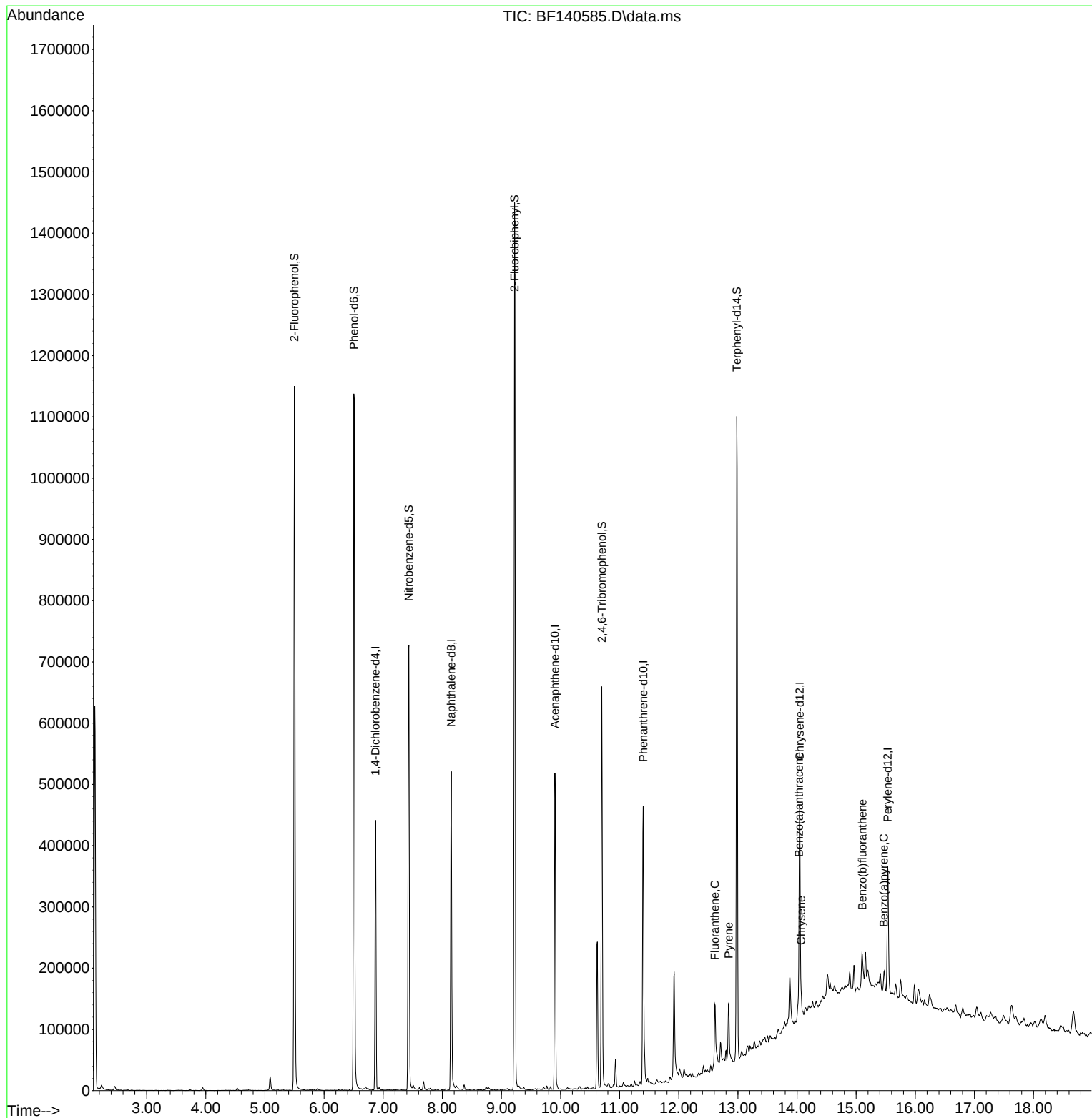
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	92752	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	331348	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	154566	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	245783	20.000	ng	0.00
76) Chrysene-d12	14.045	240	154652	20.000	ng	0.00
86) Perylene-d12	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
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	34344m	4.576	ng	
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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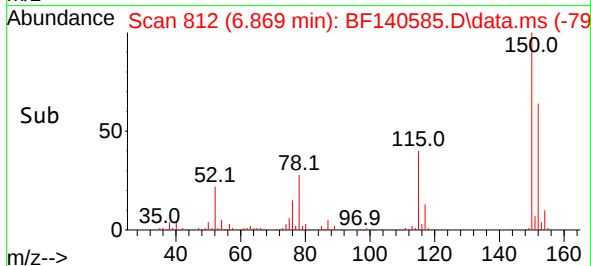
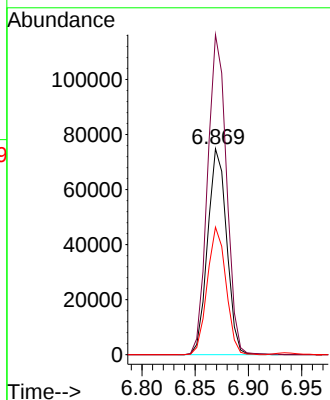
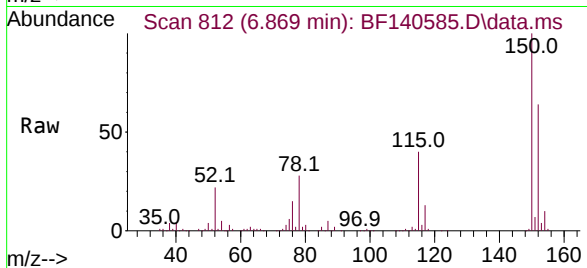




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140585.D
Acq: 22 Nov 2024 18:35

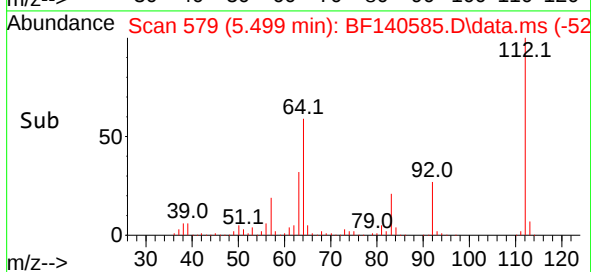
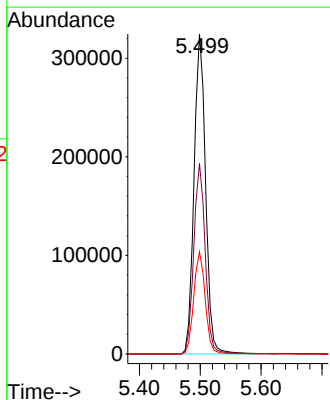
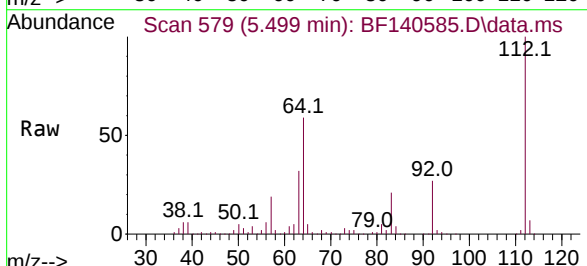
Instrument :
BNA_F
ClientSampleId :
SOIL-1

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

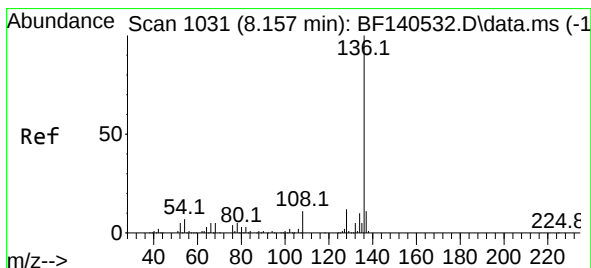
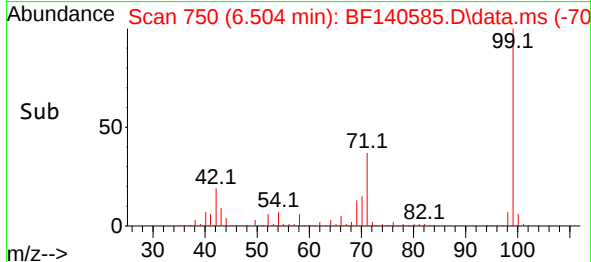
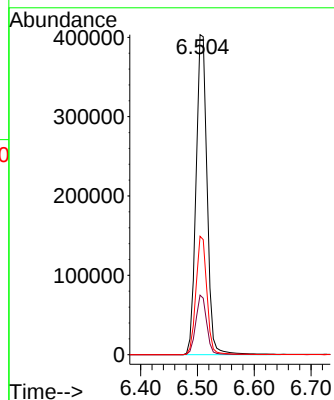
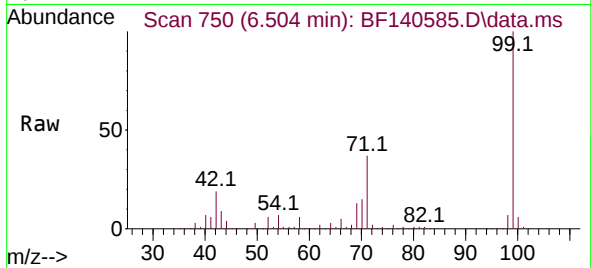




#7
Phenol-d6
Concen: 76.329 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF140585.D
Acq: 22 Nov 2024 18:35

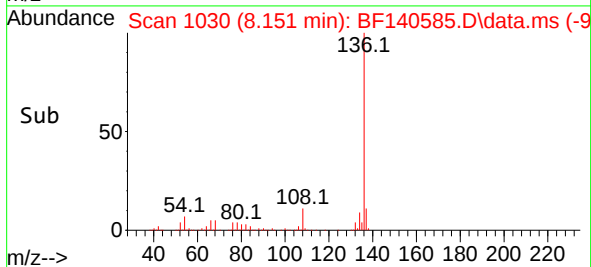
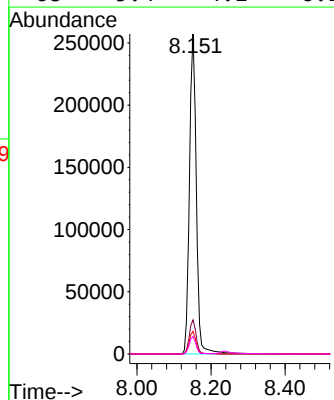
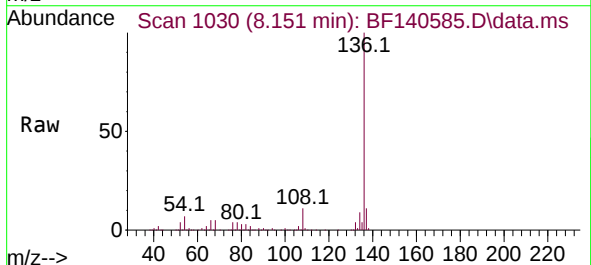
Instrument :
BNA_F
ClientSampleId :
SOIL-1

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



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140585.D
Acq: 22 Nov 2024 18:35

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

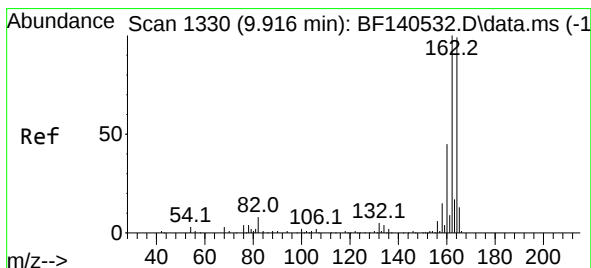
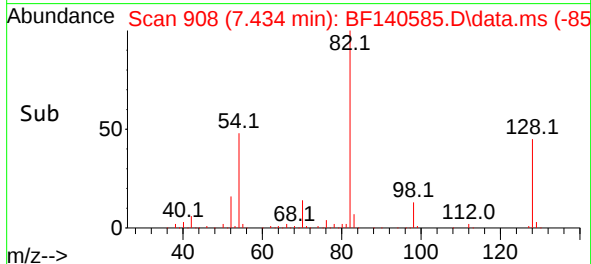
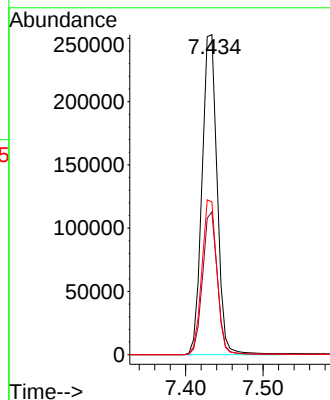
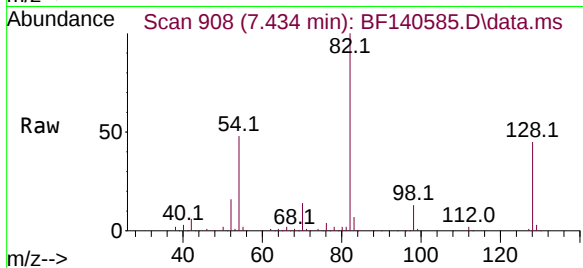




#23
Nitrobenzene-d5
Concen: 53.014 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF140585.D
Acq: 22 Nov 2024 18:35

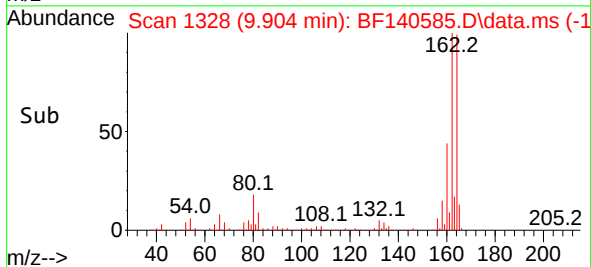
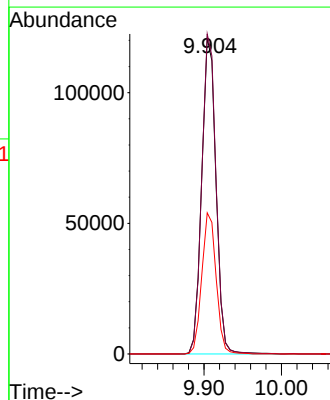
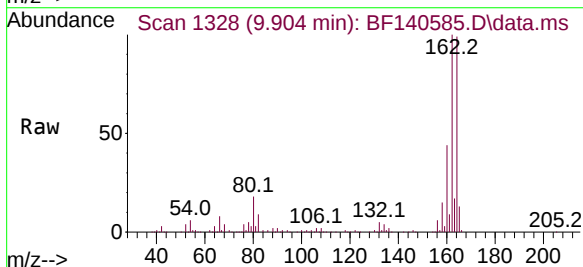
Instrument :
BNA_F
ClientSampleId :
SOIL-1

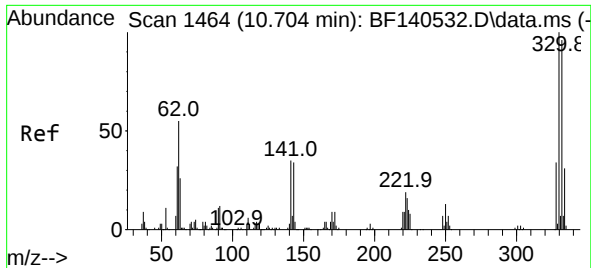
Tgt Ion: 82 Resp: 343419
Ion Ratio Lower Upper
82 100
128 44.6 33.0 49.4
54 47.8 39.5 59.3



#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

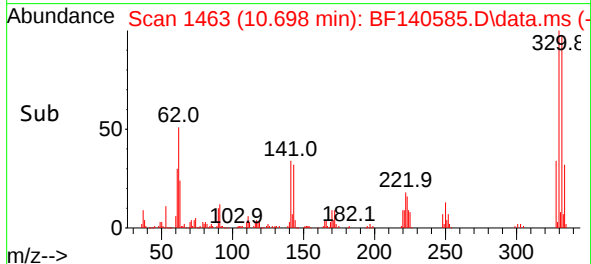
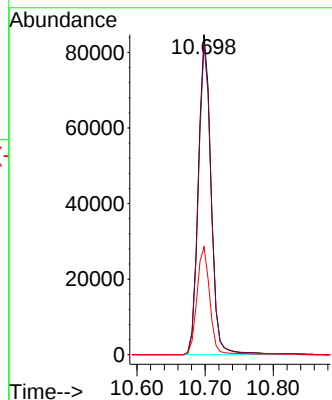
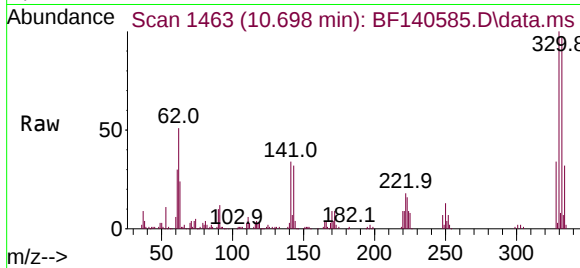




#42
2,4,6-Tribromophenol
Concen: 66.479 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140585.D
Acq: 22 Nov 2024 18:35

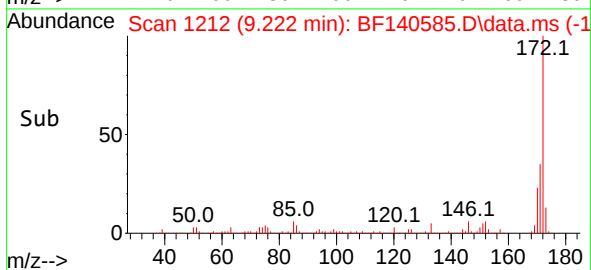
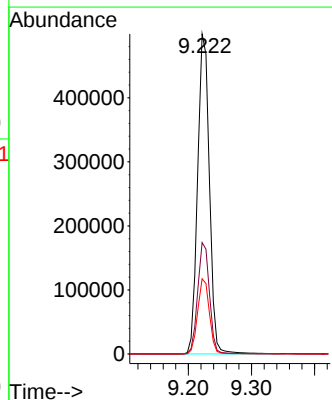
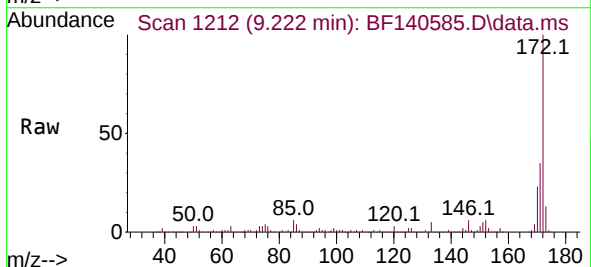
Instrument :
BNA_F
ClientSampleId :
SOIL-1

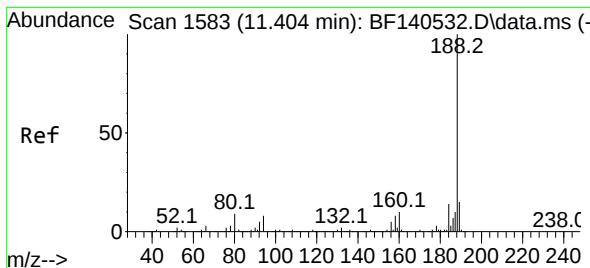
Tgt Ion:330 Resp: 109896
Ion Ratio Lower Upper
330 100
332 98.0 76.9 115.3
141 34.0 26.7 40.1



#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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140585.D

Acq: 22 Nov 2024 18:35

Instrument :

BNA_F

ClientSampleId :

SOIL-1

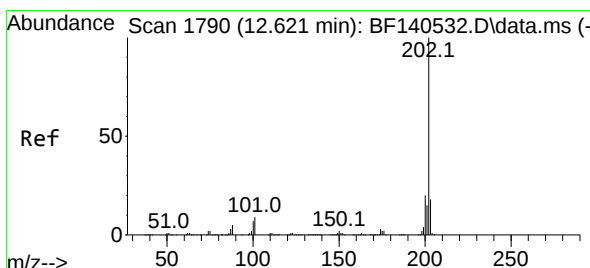
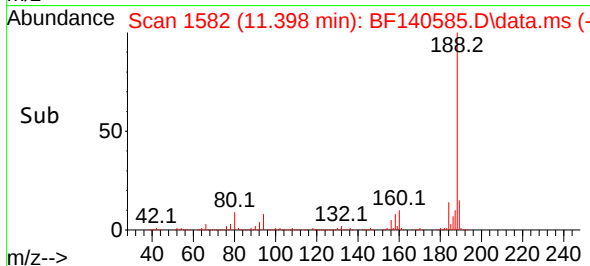
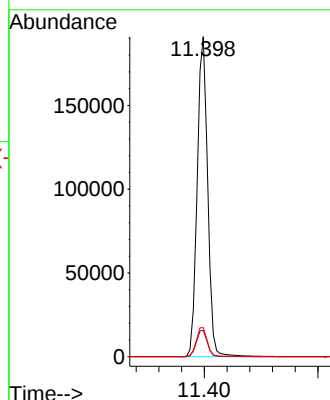
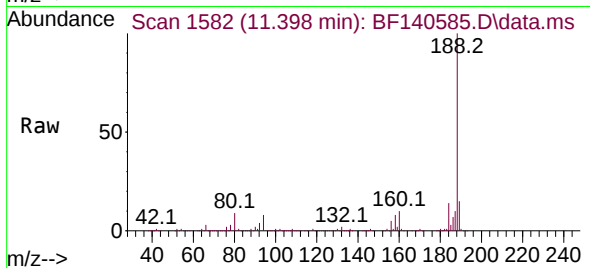
Tgt Ion:188 Resp: 245783

Ion Ratio Lower Upper

188 100

94 8.3 6.4 9.6

80 9.1 6.9 10.3



#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

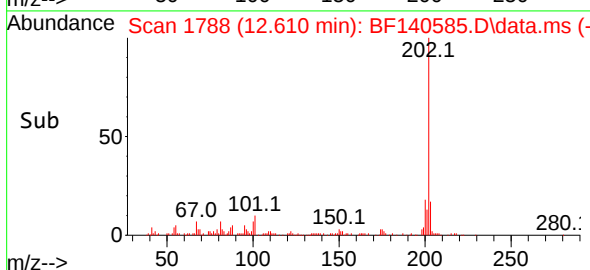
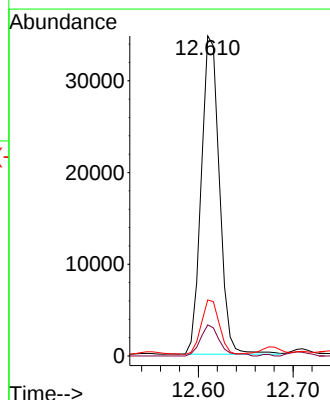
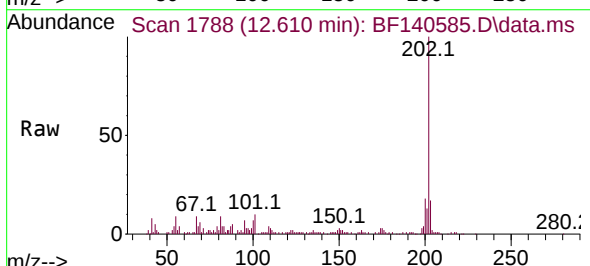
Tgt Ion:202 Resp: 46260

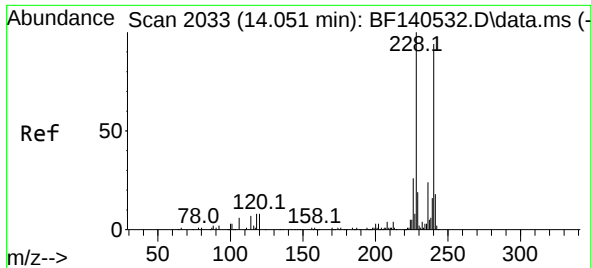
Ion Ratio Lower Upper

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

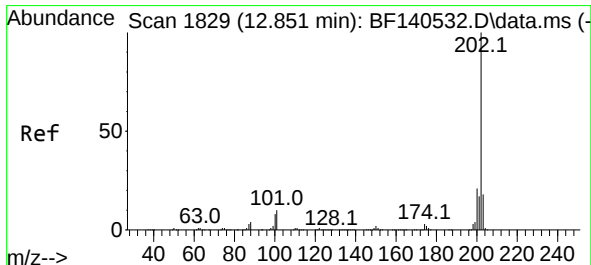
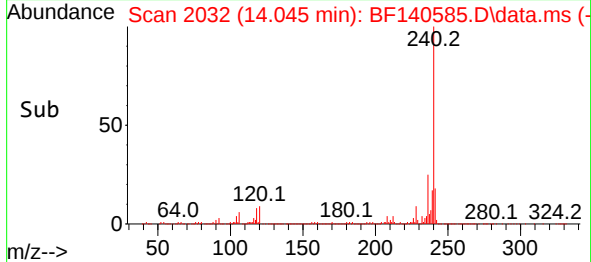
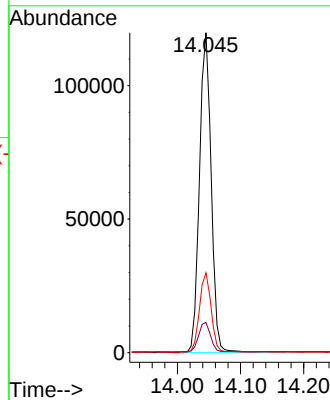
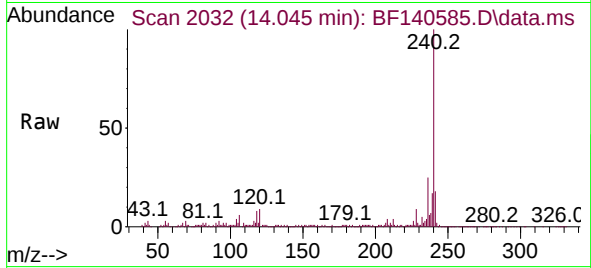
Tgt Ion:240 Resp: 154652

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

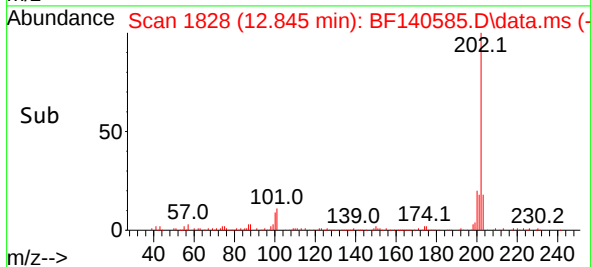
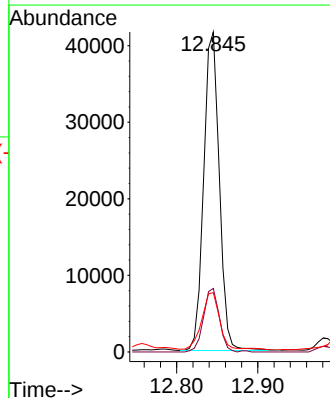
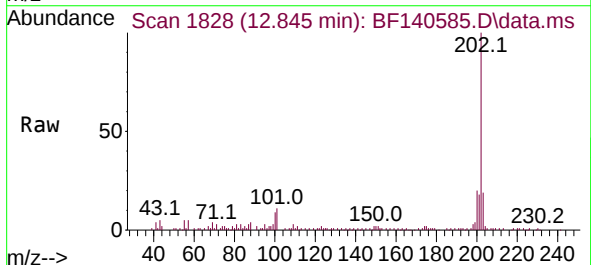
Tgt Ion:202 Resp: 55476

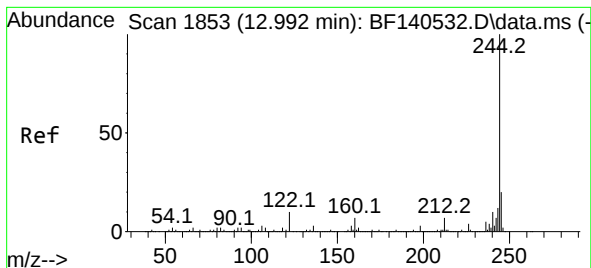
Ion Ratio Lower Upper

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

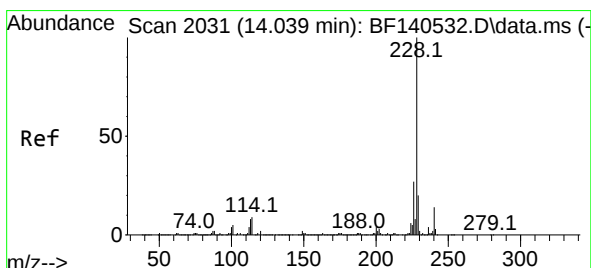
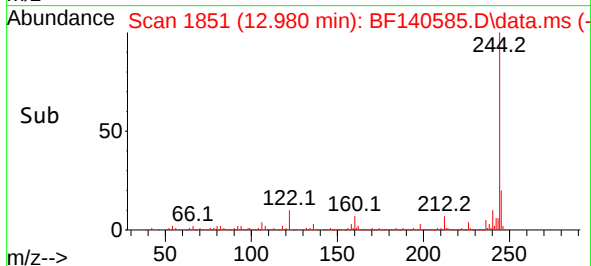
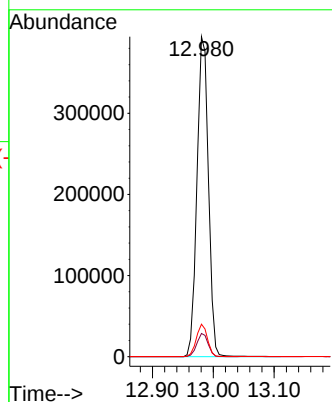
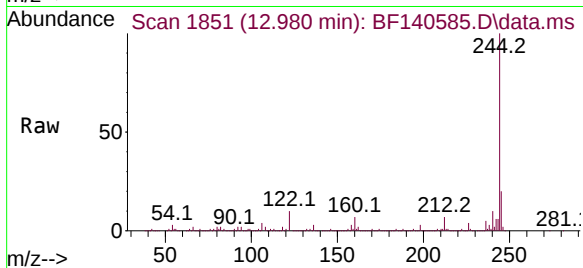
Tgt Ion:244 Resp: 515203

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

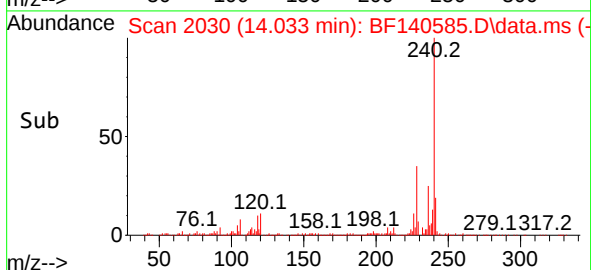
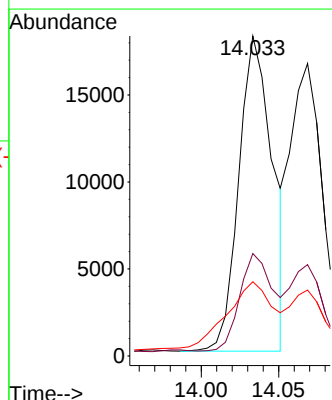
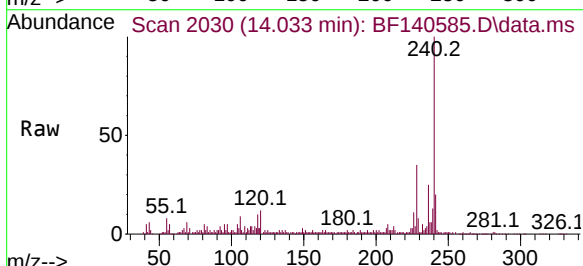
Tgt Ion:228 Resp: 27433

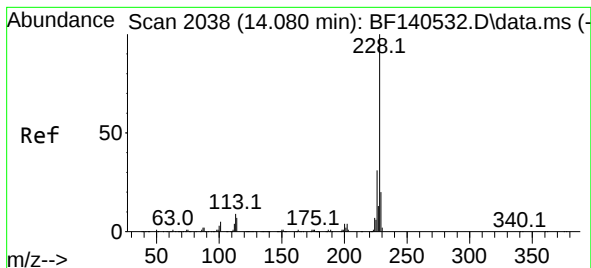
Ion Ratio Lower Upper

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

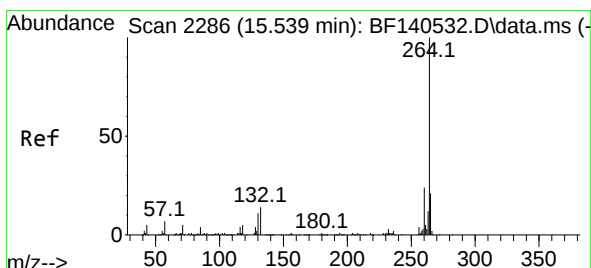
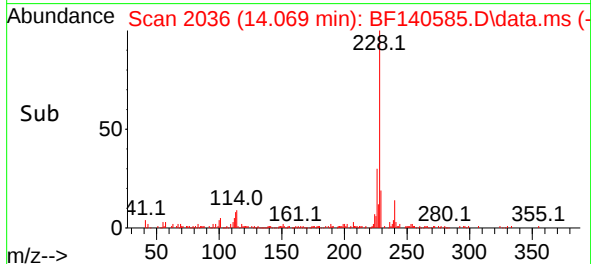
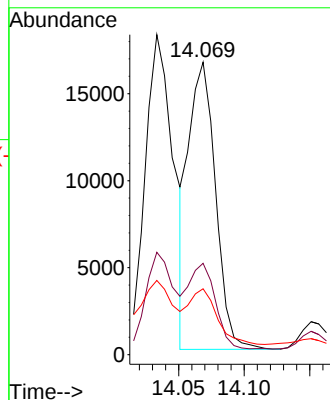
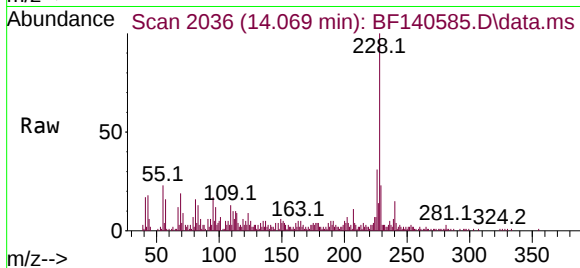
Instrument :

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

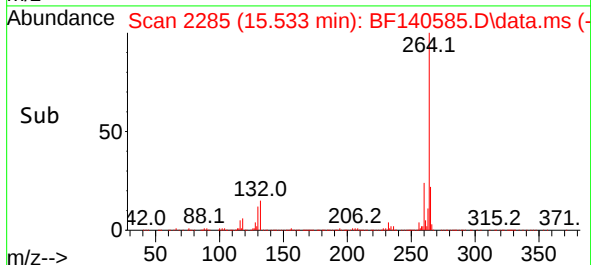
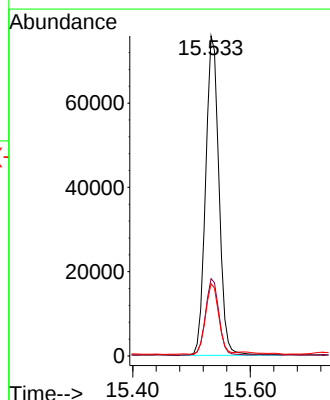
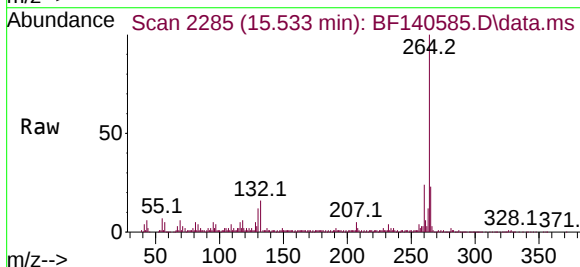
RT: 15.533 min Scan# 2285

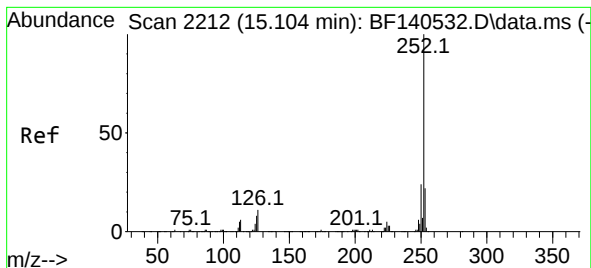
Delta R.T. -0.006 min

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: 4.576 ng m

RT: 15.104 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF140585.D

Acq: 22 Nov 2024 18:35

Instrument :

BNA_F

ClientSampleId :

SOIL-1

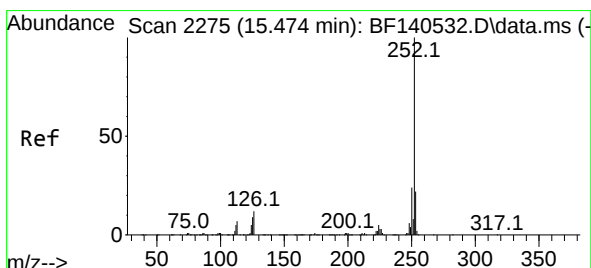
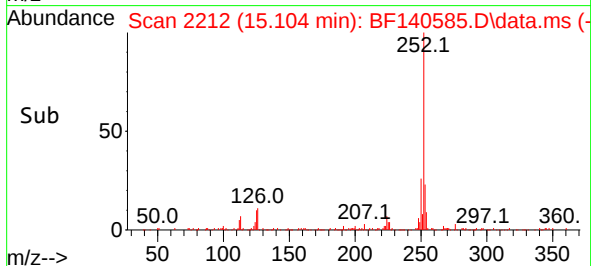
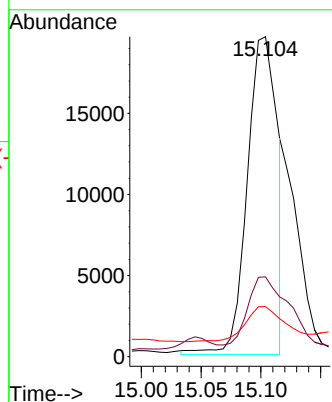
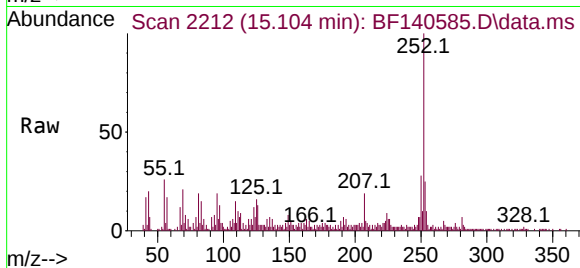
Tgt Ion:252 Resp: 34344

Ion Ratio Lower Upper

252 100

253 25.0 17.2 25.8

125 15.6 6.7 10.1#



#90

Benzo(a)pyrene

Concen: 2.855 ng

RT: 15.468 min Scan# 2274

Delta R.T. -0.006 min

Lab File: BF140585.D

Acq: 22 Nov 2024 18:35

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#

