

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111524\
 Data File : BF140412.D
 Acq On : 15 Nov 2024 18:58
 Operator : RC/JU
 Sample : P4825-01 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STOCK-PILE

Quant Time: Nov 15 22:14:48 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 14:40:06 2024
 Response via : Initial Calibration

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

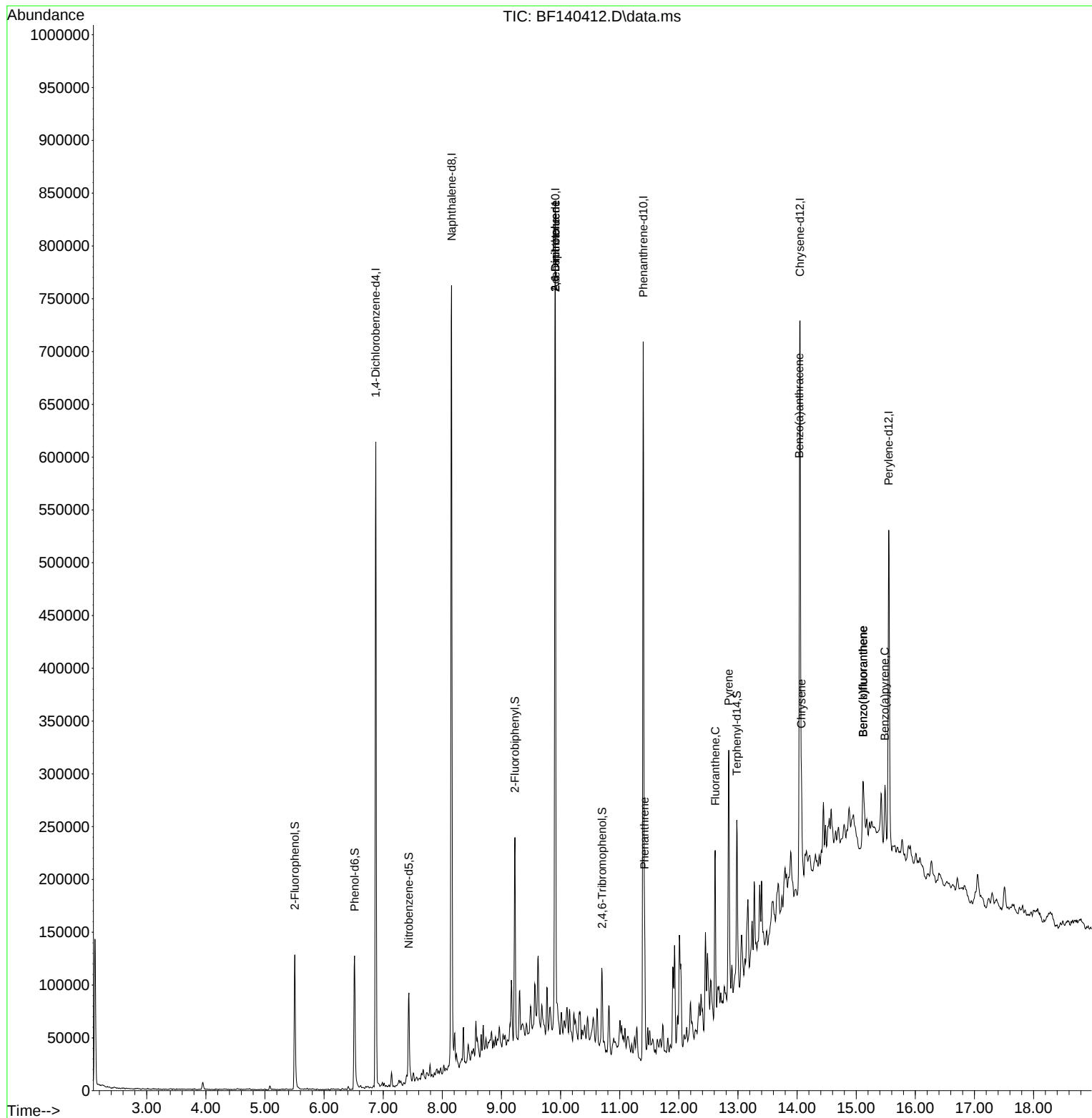
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	129069	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	478102	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	233385	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	356209	20.000	ng	0.00
76) Chrysene-d12	14.051	240	239540	20.000	ng	0.00
86) Perylene-d12	15.551	264	178673	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	53665	7.099	ng	0.01
7) Phenol-d6	6.516	99	69541	6.790	ng	0.01
23) Nitrobenzene-d5	7.433	82	42464	4.628	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	12291	5.296	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	89647	6.175	ng	0.00
79) Terphenyl-d14	12.980	244	72689	5.267	ng	0.00
Target Compounds					Qvalue	
51) 2,6-Dinitrotoluene	9.910	165	31229	9.005	ng	# 23
57) 2,4-Dinitrotoluene	9.910	165	31229	6.842	ng	# 21
71) Phenanthrene	11.421	178	61147	3.654	ng	98
75) Fluoranthene	12.616	202	80697	4.299	ng	99
78) Pyrene	12.845	202	137774	6.724	ng	99
81) Benzo(a)anthracene	14.039	228	57367	3.644	ng	# 88
83) Chrysene	14.074	228	54559	3.798	ng	# 94
88) Benzo(b)fluoranthene	15.115	252	46606	3.988	ng	# 89
89) Benzo(k)fluoranthene	15.115	252	46606	4.881	ng	# 88
90) Benzo(a)pyrene	15.486	252	29806	3.284	ng	# 91

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

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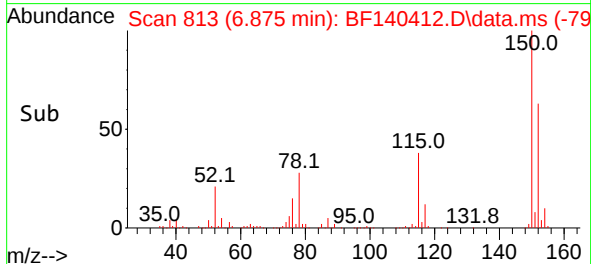
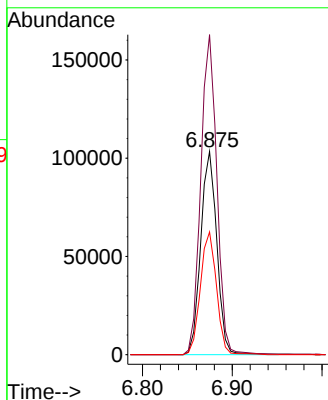
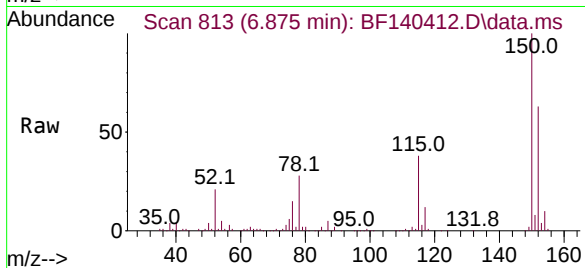




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140412.D
Acq: 15 Nov 2024 18:58

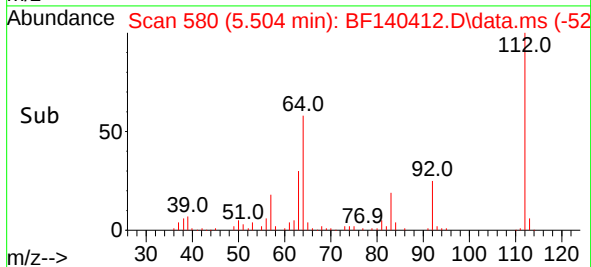
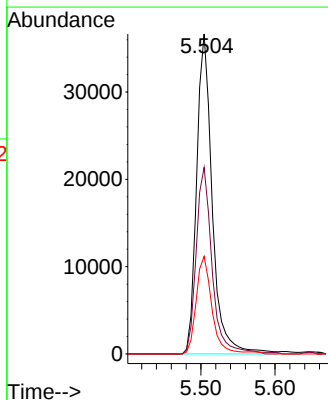
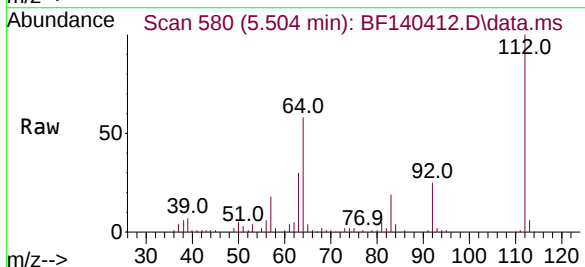
Instrument :
BNA_F
ClientSampleId :
STOCK-PILE

Tgt Ion:152 Resp: 129069
Ion Ratio Lower Upper
152 100
150 157.5 127.4 191.0
115 60.4 47.4 71.2



#5
2-Fluorophenol
Concen: 7.099 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140412.D
Acq: 15 Nov 2024 18:58

Tgt Ion:112 Resp: 53665
Ion Ratio Lower Upper
112 100
64 58.3 49.2 73.8
63 30.5 25.6 38.4

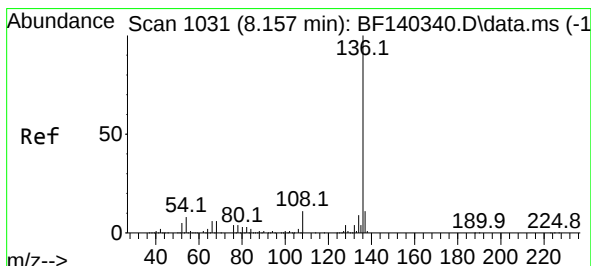
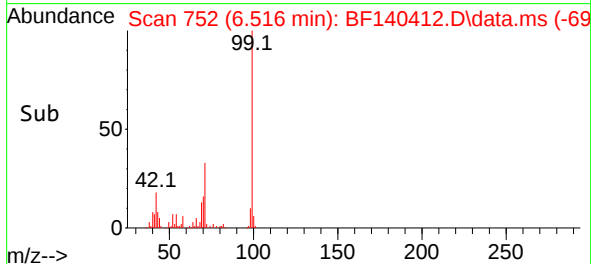
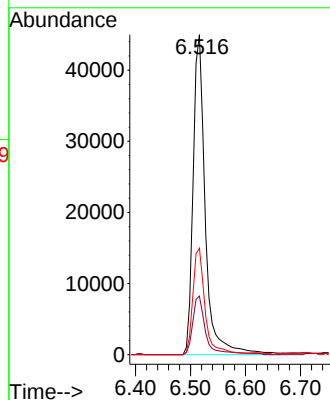
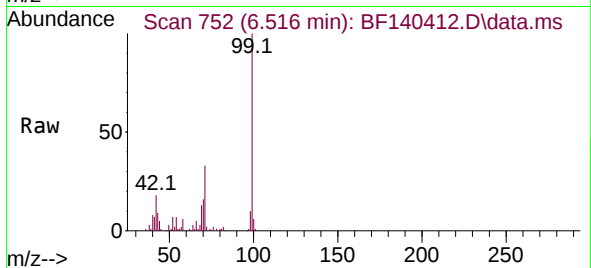




#7
Phenol-d6
Concen: 6.790 ng
RT: 6.516 min Scan# 71
Delta R.T. 0.012 min
Lab File: BF140412.D
Acq: 15 Nov 2024 18:58

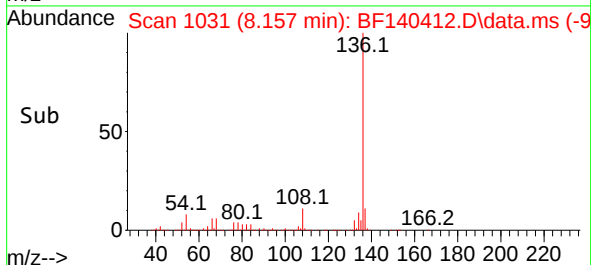
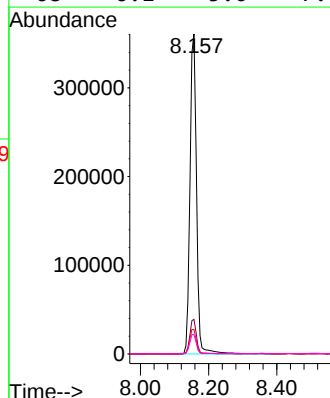
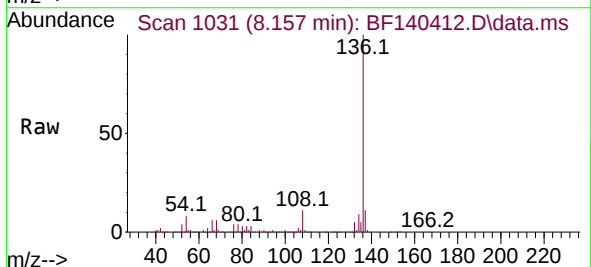
Instrument :
BNA_F
ClientSampleId :
STOCK-PILE

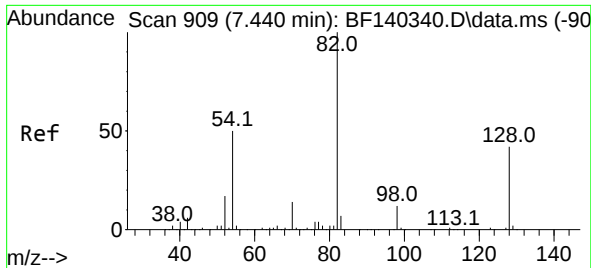
Tgt Ion: 99 Resp: 69541
Ion Ratio Lower Upper
99 100
42 18.3 15.1 22.7
71 33.3 27.9 41.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.000 min
Lab File: BF140412.D
Acq: 15 Nov 2024 18:58

Tgt Ion: 136 Resp: 478102
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 7.7 6.5 9.7
68 6.1 5.0 7.6

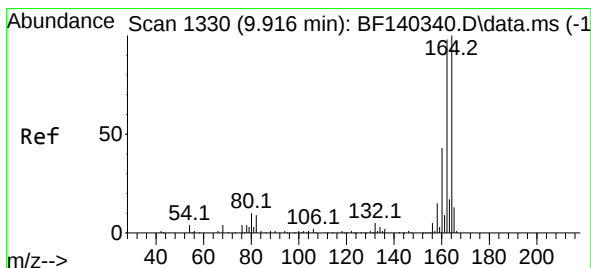
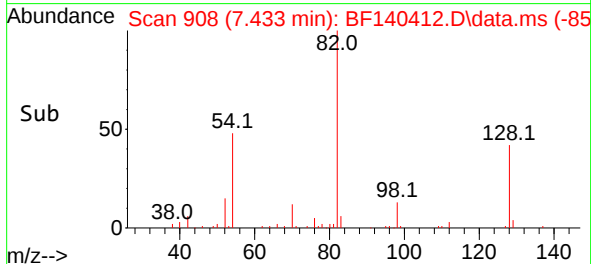
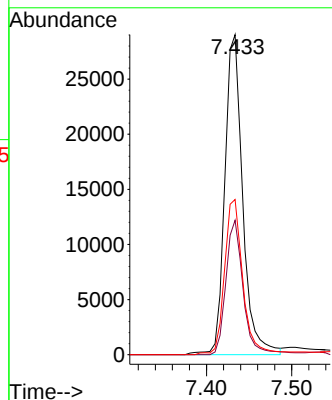
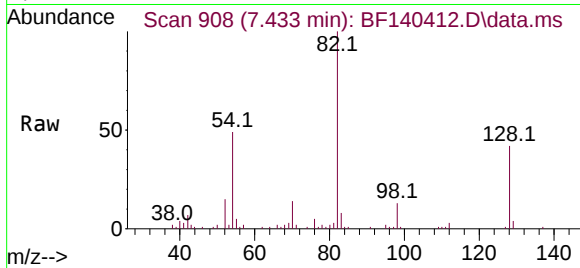




#23
Nitrobenzene-d5
Concen: 4.628 ng
RT: 7.433 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF140412.D
Acq: 15 Nov 2024 18:58

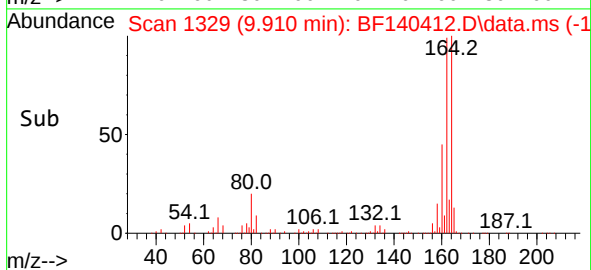
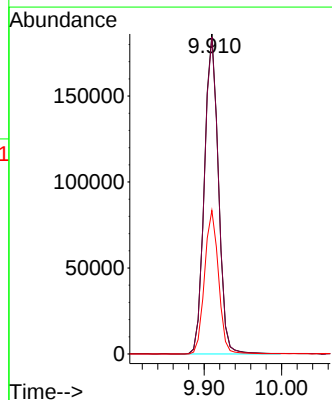
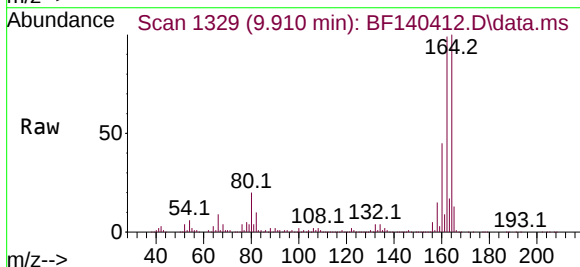
Instrument :
BNA_F
ClientSampleId :
STOCK-PILE

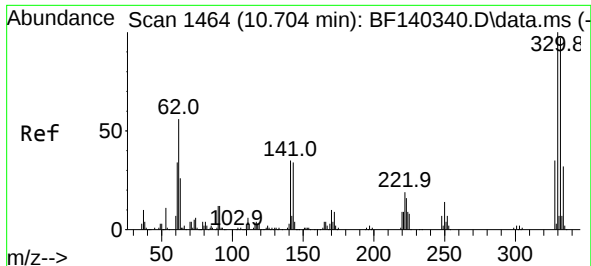
Tgt Ion: 82 Resp: 42464
Ion Ratio Lower Upper
82 100
128 42.0 33.3 49.9
54 48.5 39.8 59.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF140412.D
Acq: 15 Nov 2024 18:58

Tgt Ion:164 Resp: 233385
Ion Ratio Lower Upper
164 100
162 99.1 79.8 119.8
160 44.9 35.4 53.0

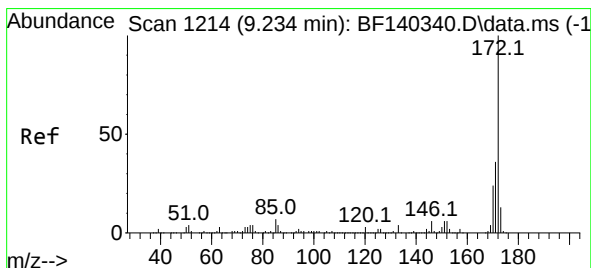
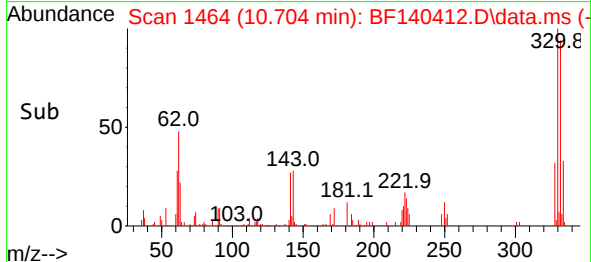
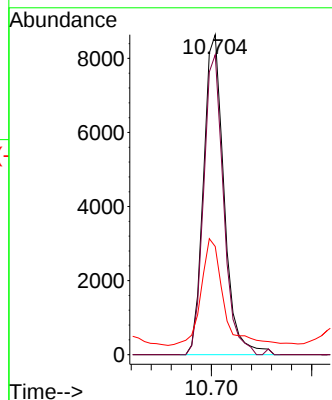
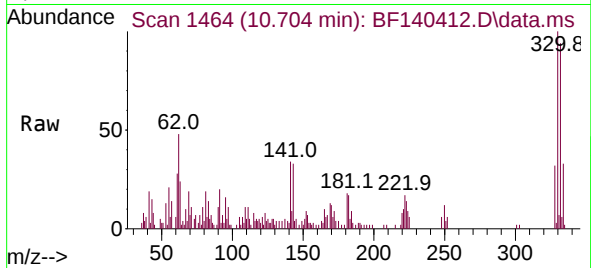




#42
2,4,6-Tribromophenol
Concen: 5.296 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.000 min
Lab File: BF140412.D
Acq: 15 Nov 2024 18:58

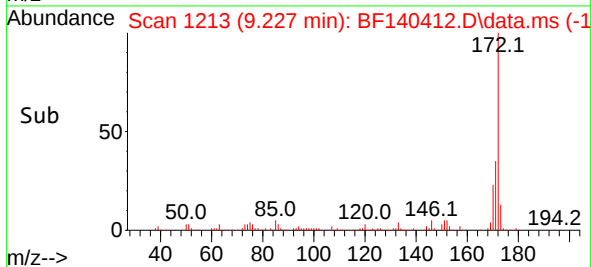
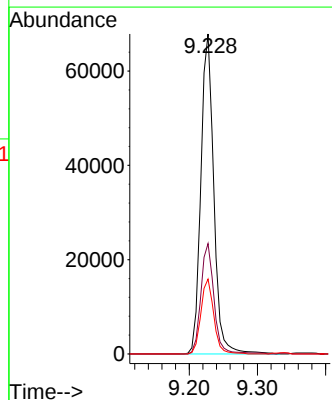
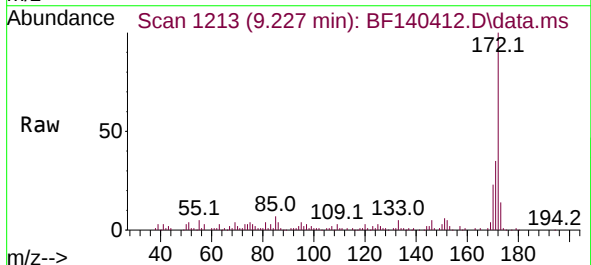
Instrument :
BNA_F
ClientSampleId :
STOCK-PILE

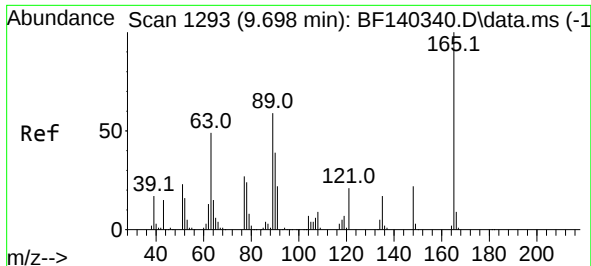
Tgt Ion:	330	Resp:	12291
Ion Ratio	Lower	Upper	
330	100		
332	90.7	75.9	113.9
141	36.5	26.9	40.3



#45
2-Fluorobiphenyl
Concen: 6.175 ng
RT: 9.227 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140412.D
Acq: 15 Nov 2024 18:58

Tgt Ion:	172	Resp:	89647
Ion Ratio	Lower	Upper	
172	100		
171	34.5	28.5	42.7
170	23.4	19.1	28.7





#51

2,6-Dinitrotoluene

Concen: 9.005 ng

RT: 9.910 min Scan# 1

Delta R.T. 0.212 min

Lab File: BF140412.D

Acq: 15 Nov 2024 18:58

Instrument :

BNA_F

ClientSampleId :

STOCK-PILE

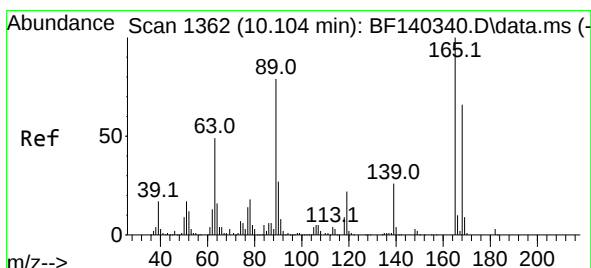
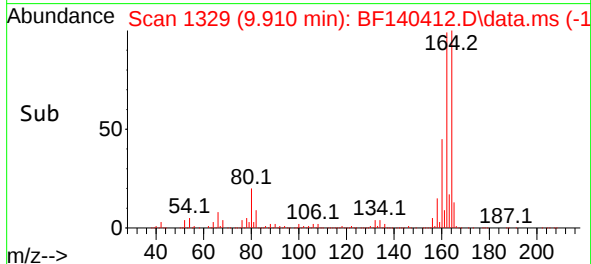
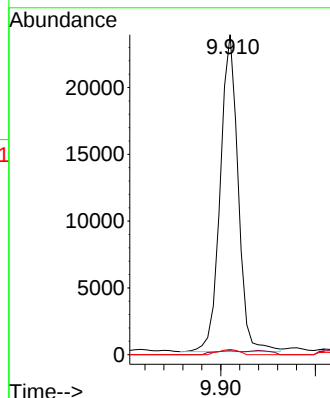
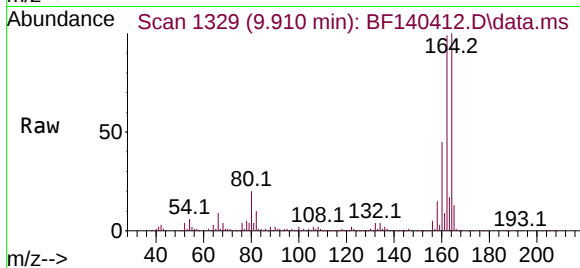
Tgt Ion:165 Resp: 31229

Ion Ratio Lower Upper

165 100

63 1.3 47.6 71.4#

89 1.6 48.1 72.1#



#57

2,4-Dinitrotoluene

Concen: 6.842 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.194 min

Lab File: BF140412.D

Acq: 15 Nov 2024 18:58

Tgt Ion:165 Resp: 31229

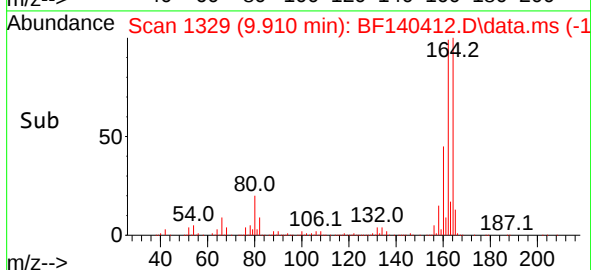
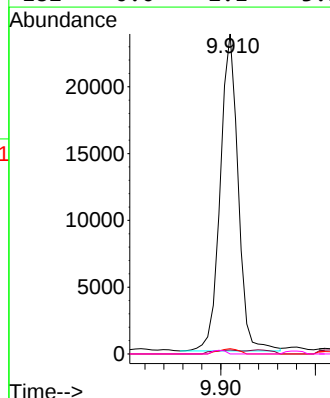
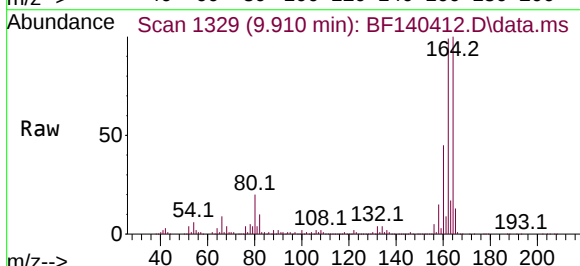
Ion Ratio Lower Upper

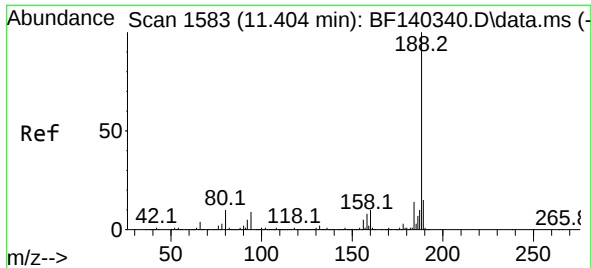
165 100

63 1.3 39.4 59.0#

89 1.6 62.4 93.6#

182 0.0 2.1 3.1#

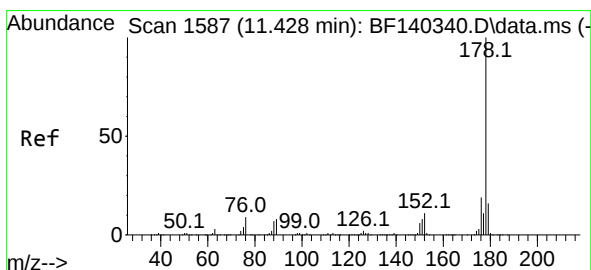
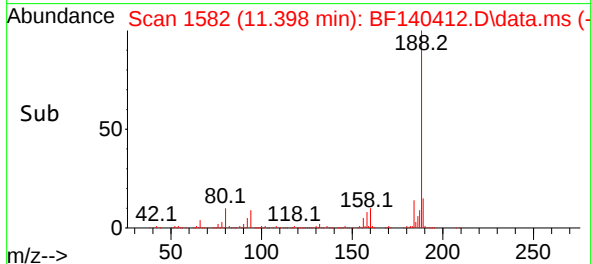
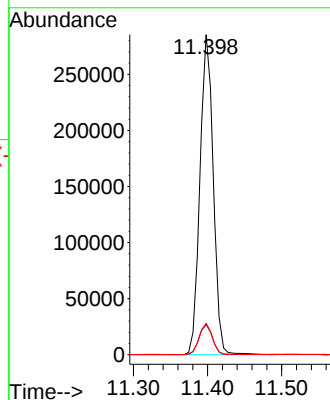
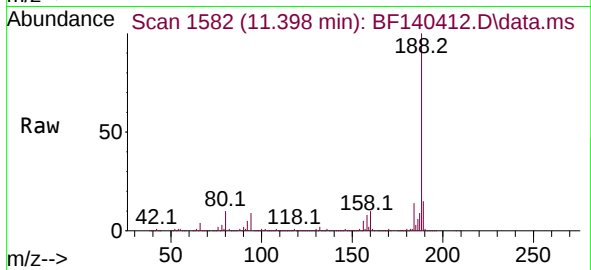




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140412.D
Acq: 15 Nov 2024 18:58

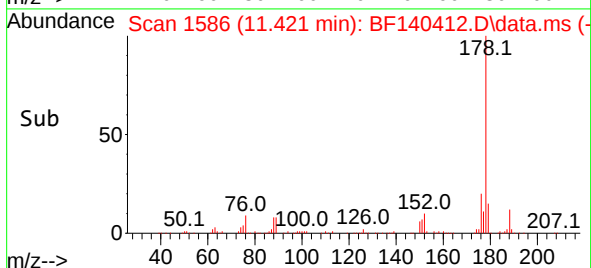
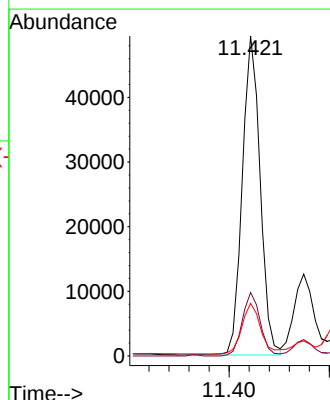
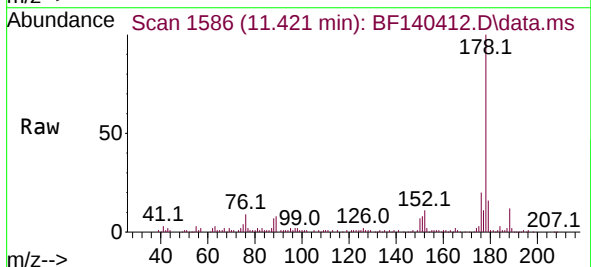
Instrument :
BNA_F
ClientSampleId :
STOCK-PILE

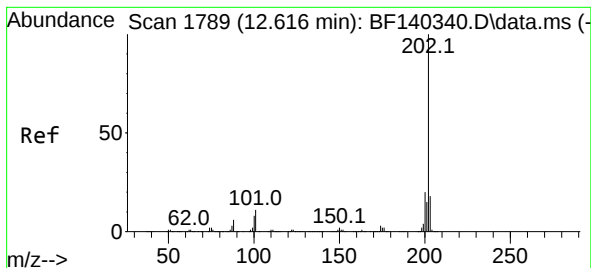
Tgt Ion:188 Resp: 356209
Ion Ratio Lower Upper
188 100
94 9.4 7.6 11.4
80 9.8 8.0 12.0



#71
Phenanthrene
Concen: 3.654 ng
RT: 11.421 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF140412.D
Acq: 15 Nov 2024 18:58

Tgt Ion:178 Resp: 61147
Ion Ratio Lower Upper
178 100
176 19.8 15.5 23.3
179 16.4 12.4 18.6





#75

Fluoranthene

Concen: 4.299 ng

RT: 12.616 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF140412.D

Acq: 15 Nov 2024 18:58

Instrument :

BNA_F

ClientSampleId :

STOCK-PILE

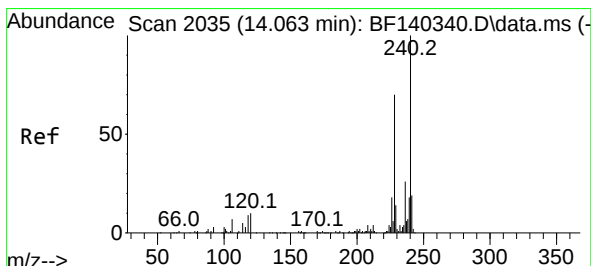
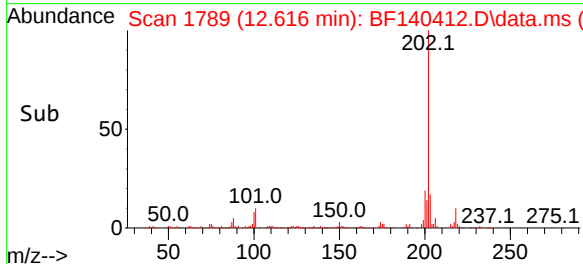
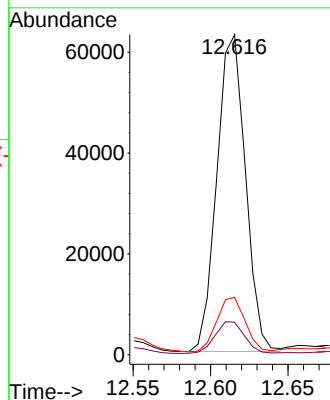
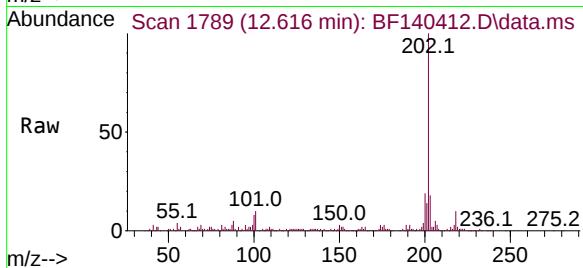
Tgt Ion:202 Resp: 80697

Ion Ratio Lower Upper

202 100

101 10.1 0.0 30.7

203 17.9 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. -0.000 min

Lab File: BF140412.D

Acq: 15 Nov 2024 18:58

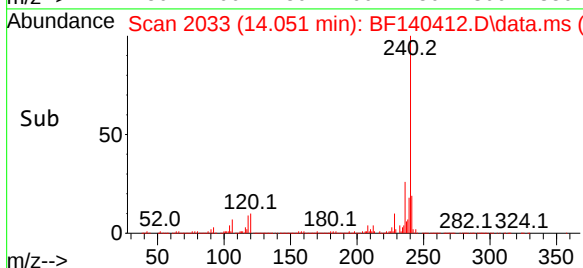
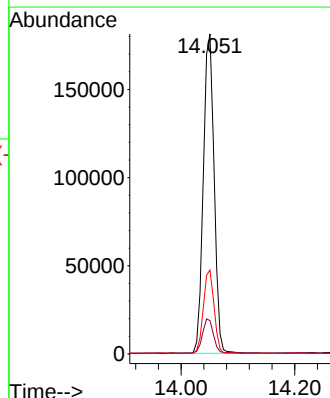
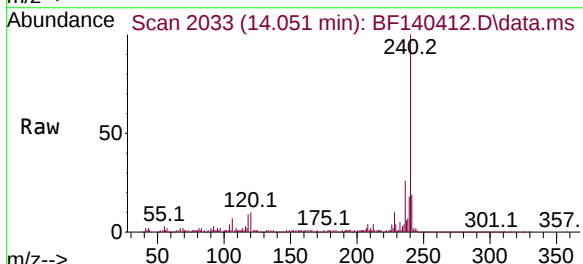
Tgt Ion:240 Resp: 239540

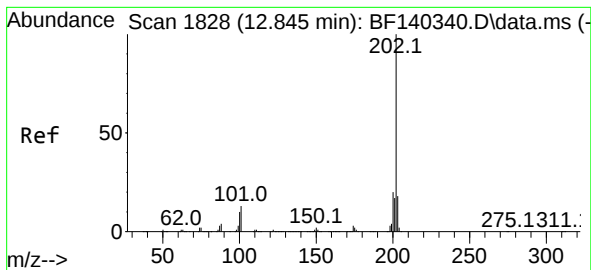
Ion Ratio Lower Upper

240 100

120 10.4 8.8 13.2

236 26.2 20.9 31.3





#78

Pyrene

Concen: 6.724 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.000 min

Lab File: BF140412.D

Acq: 15 Nov 2024 18:58

Instrument :

BNA_F

ClientSampleId :

STOCK-PILE

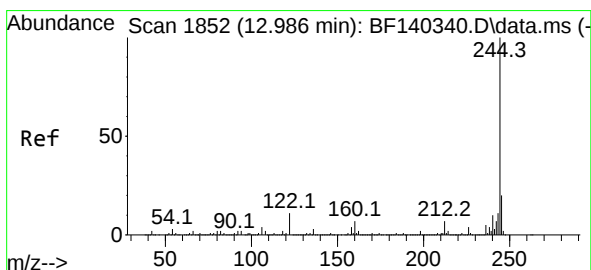
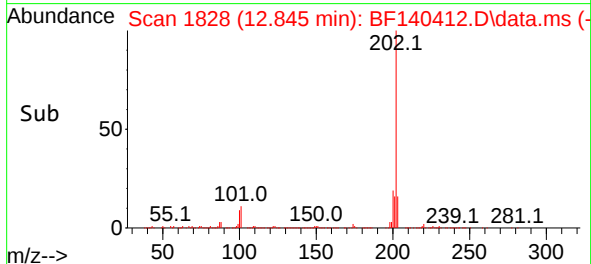
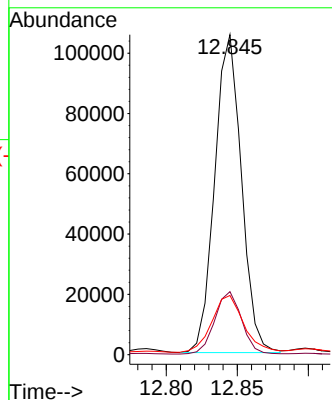
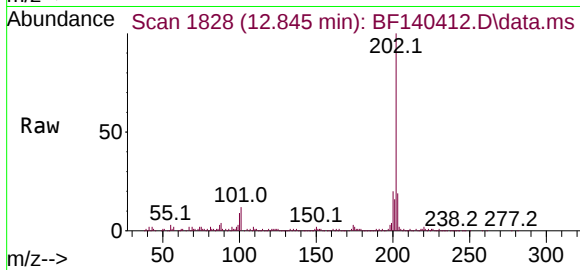
Tgt Ion:202 Resp: 137774

Ion Ratio Lower Upper

202 100

200 19.7 16.2 24.2

203 18.5 14.2 21.4



#79

Terphenyl-d14

Concen: 5.267 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF140412.D

Acq: 15 Nov 2024 18:58

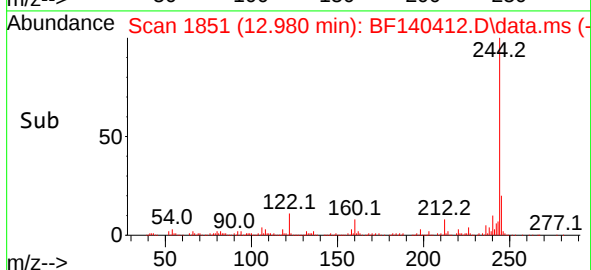
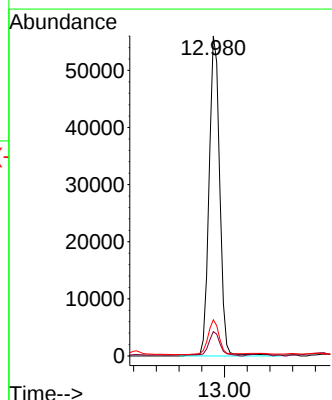
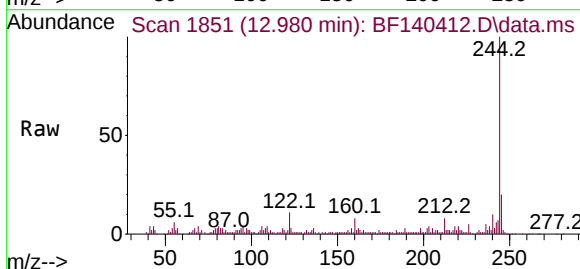
Tgt Ion:244 Resp: 72689

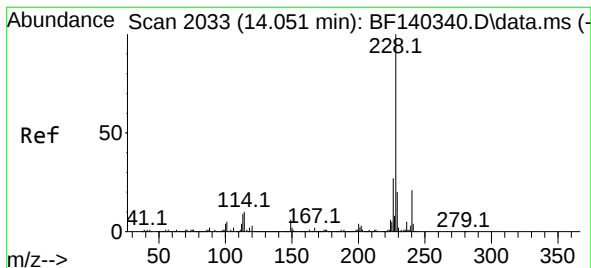
Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.8

122 11.3 8.8 13.2





#81

Benzo(a)anthracene

Concen: 3.644 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.000 min

Lab File: BF140412.D

Acq: 15 Nov 2024 18:58

Instrument :

BNA_F

ClientSampleId :

STOCK-PILE

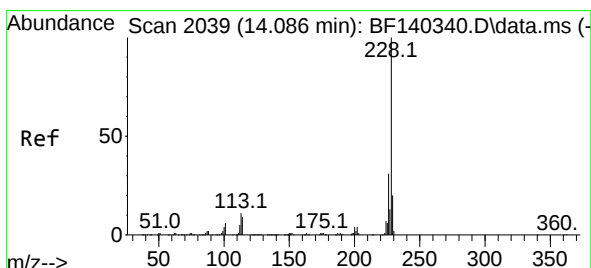
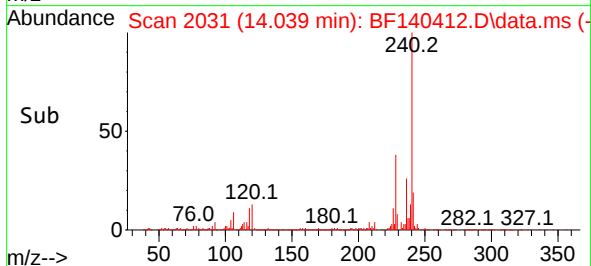
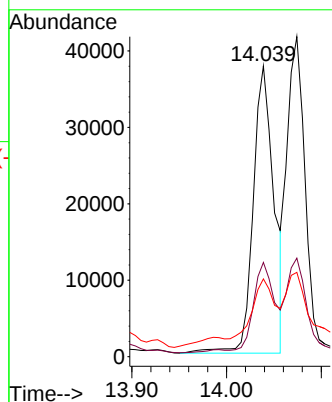
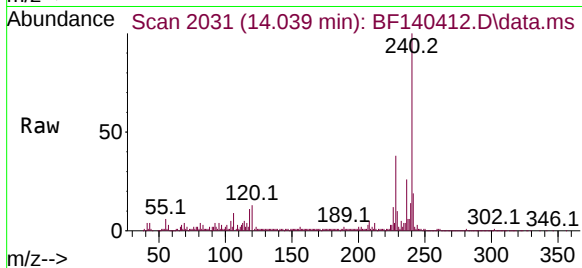
Tgt Ion:228 Resp: 57367

Ion Ratio Lower Upper

228 100

226 32.4 22.2 33.4

229 26.7 15.8 23.6#



#83

Chrysene

Concen: 3.798 ng

RT: 14.074 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF140412.D

Acq: 15 Nov 2024 18:58

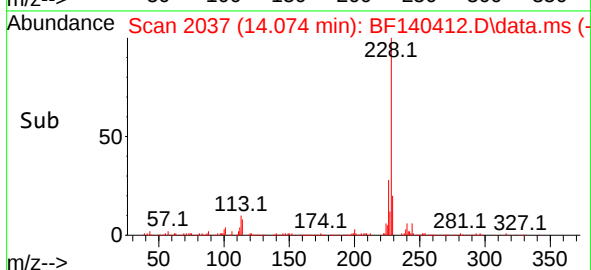
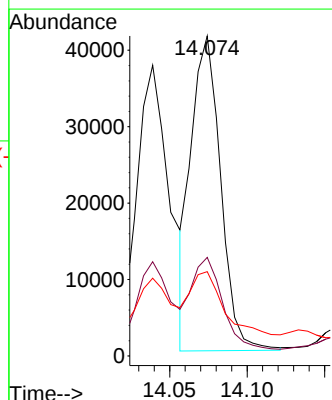
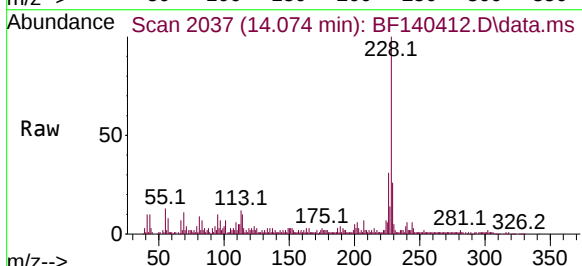
Tgt Ion:228 Resp: 54559

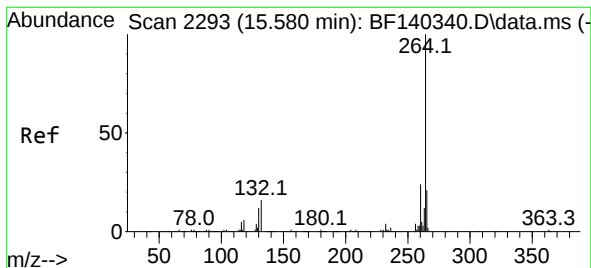
Ion Ratio Lower Upper

228 100

226 30.8 24.5 36.7

229 26.3 16.0 24.0#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140412.D

Acq: 15 Nov 2024 18:58

Instrument :

BNA_F

ClientSampleId :

STOCK-PILE

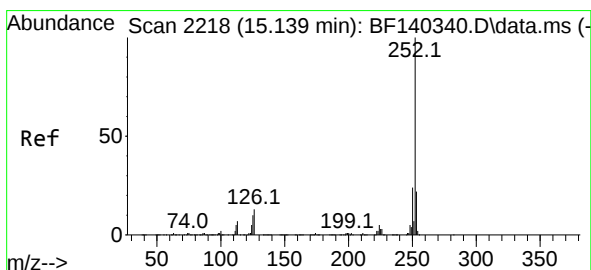
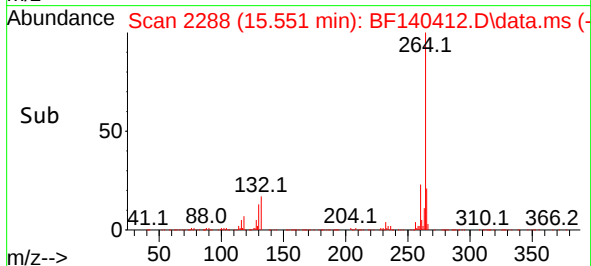
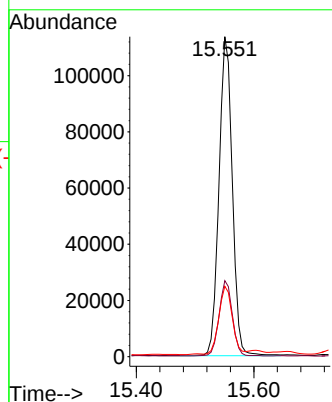
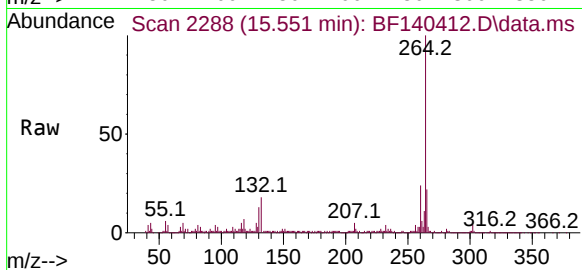
Tgt Ion:264 Resp: 178673

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

265 22.0 17.1 25.7



#88

Benzo(b)fluoranthene

Concen: 3.988 ng

RT: 15.115 min Scan# 2214

Delta R.T. -0.000 min

Lab File: BF140412.D

Acq: 15 Nov 2024 18:58

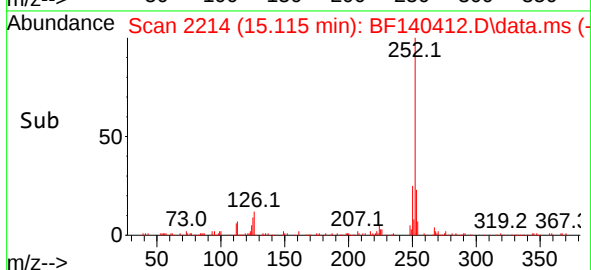
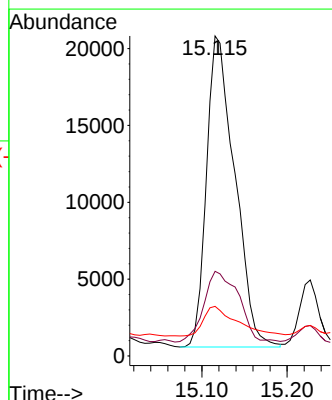
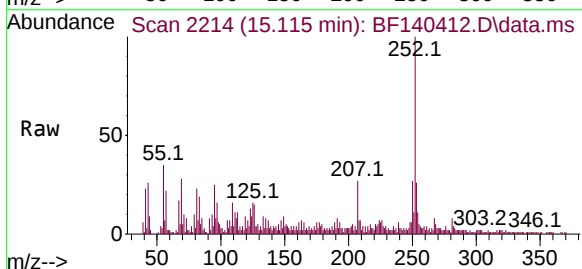
Tgt Ion:252 Resp: 46606

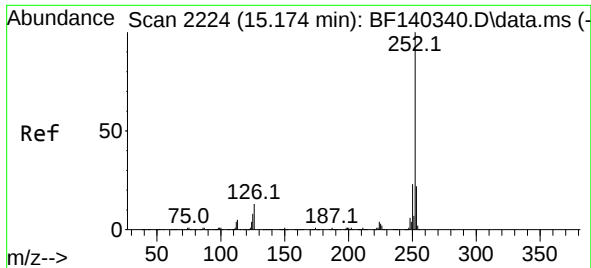
Ion Ratio Lower Upper

252 100

253 26.4 17.5 26.3#

125 15.5 8.0 12.0#

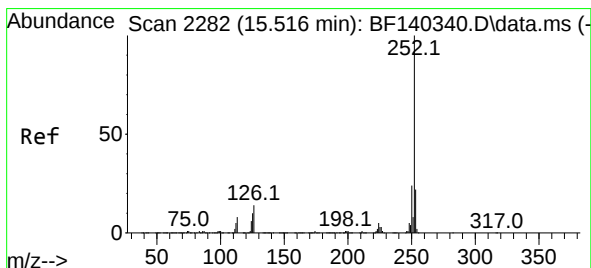
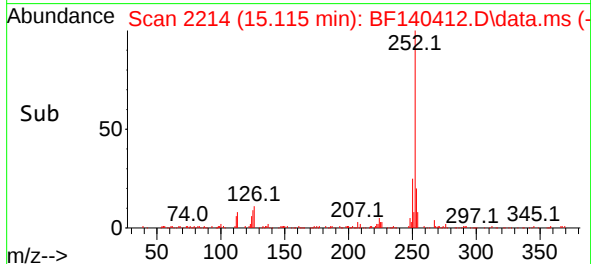
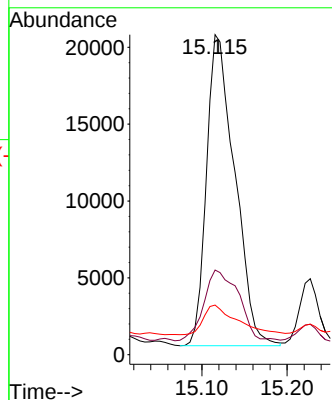
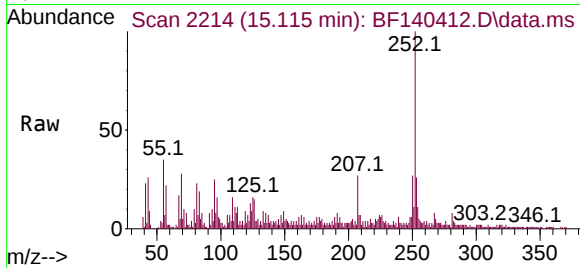




#89
Benzo(k)fluoranthene
Concen: 4.881 ng
RT: 15.115 min Scan# 211
Delta R.T. -0.035 min
Lab File: BF140412.D
Acq: 15 Nov 2024 18:58

Instrument :
BNA_F
ClientSampleId :
STOCK-PILE

Tgt Ion:252 Resp: 46606
Ion Ratio Lower Upper
252 100
253 26.4 17.3 25.9#
125 15.5 7.4 11.2#



#90
Benzo(a)pyrene
Concen: 3.284 ng
RT: 15.486 min Scan# 2277
Delta R.T. -0.006 min
Lab File: BF140412.D
Acq: 15 Nov 2024 18:58

Tgt Ion:252 Resp: 29806
Ion Ratio Lower Upper
252 100
253 24.8 17.8 26.6
125 17.1 8.4 12.6#

