

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102924\
 Data File : BF140119.D
 Acq On : 29 Oct 2024 18:37
 Operator : RC/JU
 Sample : P4597-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BLUE-2-1

Quant Time: Oct 30 01:03:21 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)

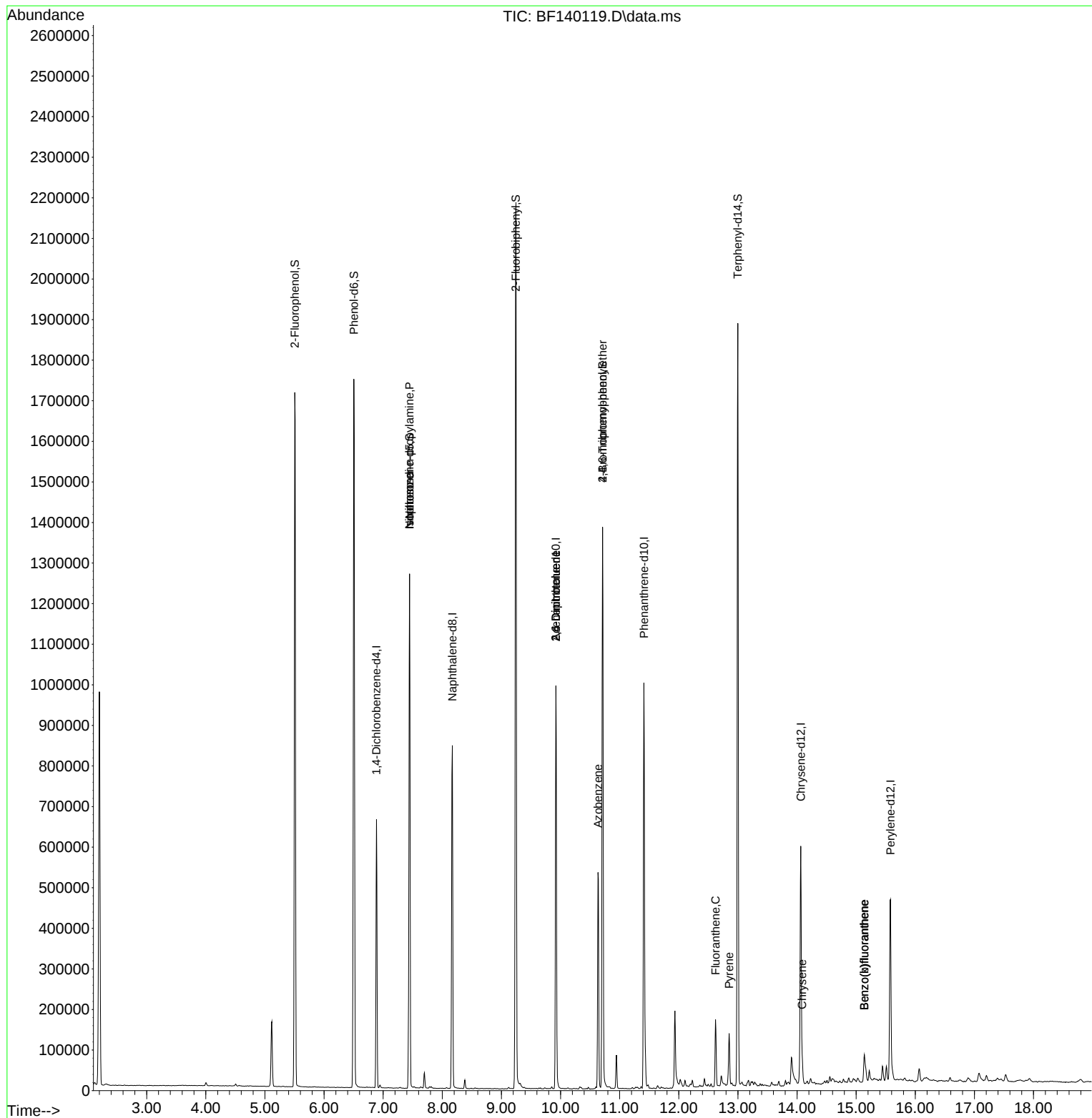
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	129583	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	523406	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	298630	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	522278	20.000	ng	0.00
76) Chrysene-d12	14.063	240	261589	20.000	ng	0.01
86) Perylene-d12	15.580	264	276912	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	636575	76.904	ng	0.00
7) Phenol-d6	6.504	99	827285	77.167	ng	0.00
23) Nitrobenzene-d5	7.446	82	561622	59.470	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	236683	84.733	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1041359	57.632	ng	0.00
79) Terphenyl-d14	12.998	244	929553	57.903	ng	0.00
Target Compounds					Qvalue	
19) n-Nitroso-di-n-propyla...	7.446	70	76933	11.832	ng	# 76
25) Isophorone	7.446	82	557587	31.108	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	38420	9.539	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	38420	7.757	ng	# 21
63) Azobenzene	10.634	77	143327	7.402	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	15144	2.815	ng	# 1
75) Fluoranthene	12.622	202	89616	3.593	ng	99
78) Pyrene	12.851	202	69758	3.047	ng	99
83) Chrysene	14.086	228	32173	2.061	ng	99
88) Benzo(b)fluoranthene	15.139	252	58283	3.455	ng	# 98
89) Benzo(k)fluoranthene	15.139	252	58283	4.006	ng	# 98

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

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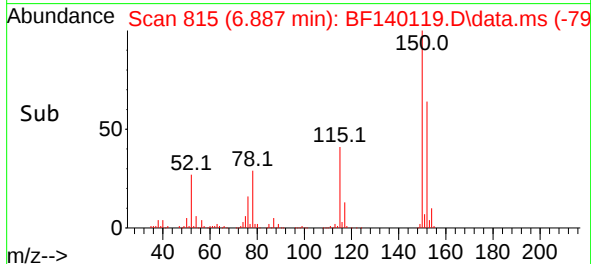
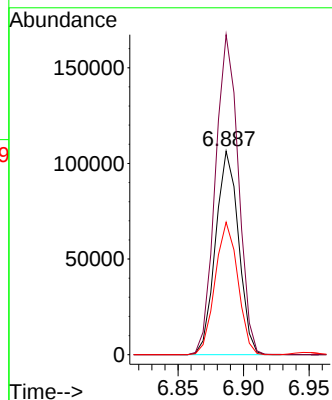
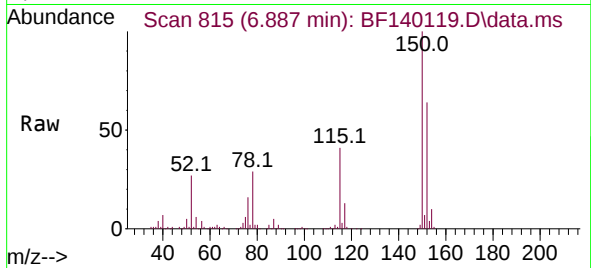




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF140119.D
Acq: 29 Oct 2024 18:37

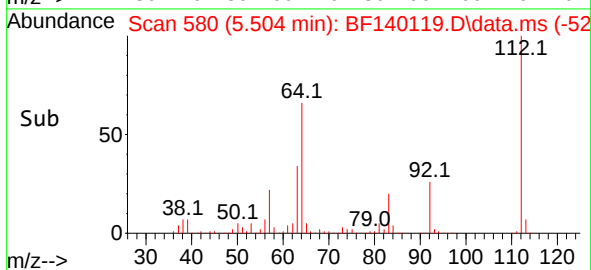
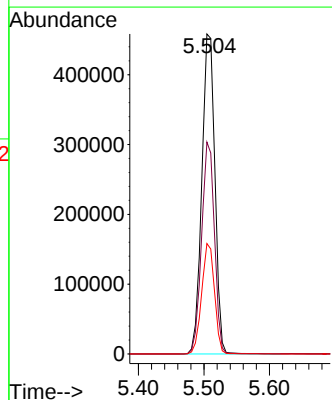
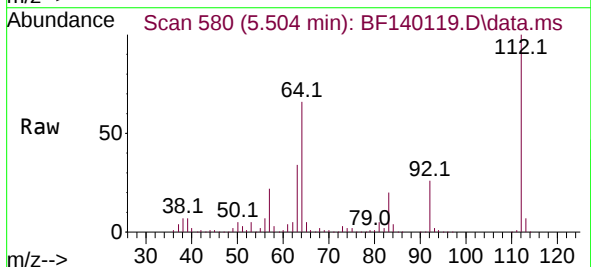
Instrument :
BNA_F
ClientSampleId :
BLUE-2-1

Tgt Ion:152 Resp: 129583
Ion Ratio Lower Upper
152 100
150 157.3 130.2 195.2
115 65.1 51.4 77.2



#5
2-Fluorophenol
Concen: 76.904 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140119.D
Acq: 29 Oct 2024 18:37

Tgt Ion:112 Resp: 636575
Ion Ratio Lower Upper
112 100
64 66.2 53.0 79.6
63 34.5 27.0 40.4

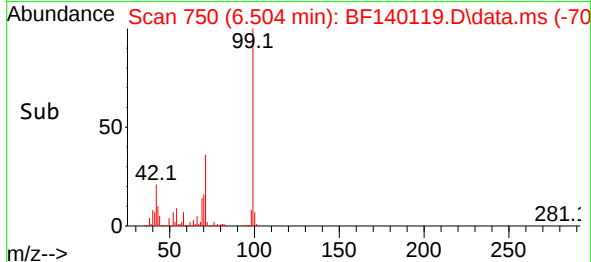
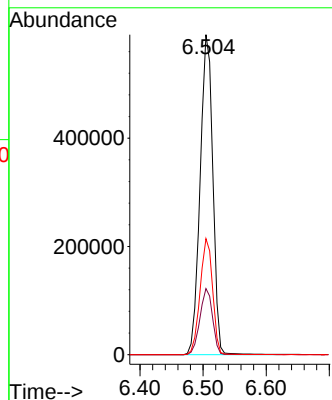
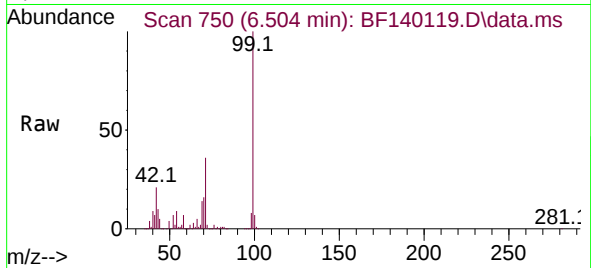




#7
Phenol-d6
Concen: 77.167 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140119.D
Acq: 29 Oct 2024 18:37

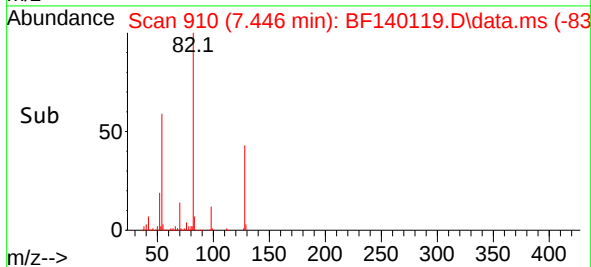
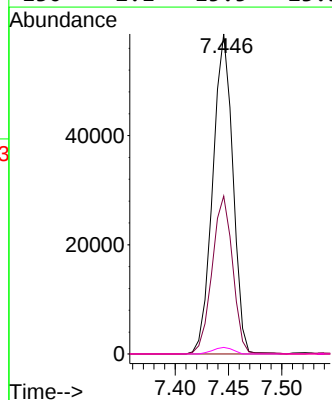
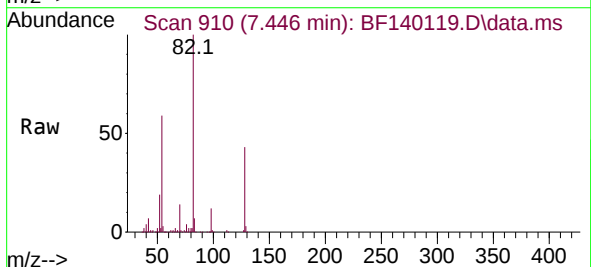
Instrument :
BNA_F
ClientSampleId :
BLUE-2-1

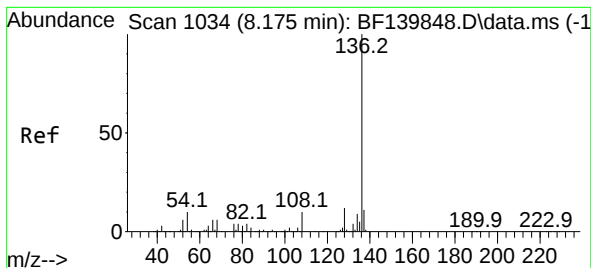
Tgt Ion: 99 Resp: 827285
Ion Ratio Lower Upper
99 100
42 20.7 16.7 25.1
71 36.3 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 11.832 ng
RT: 7.446 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF140119.D
Acq: 29 Oct 2024 18:37

Tgt Ion: 70 Resp: 76933
Ion Ratio Lower Upper
70 100
42 49.4 51.5 77.3#
101 0.0 7.5 11.3#
130 2.1 15.5 23.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140119.D

Acq: 29 Oct 2024 18:37

Instrument :

BNA_F

ClientSampleId :

BLUE-2-1

Tgt Ion:136 Resp: 523406

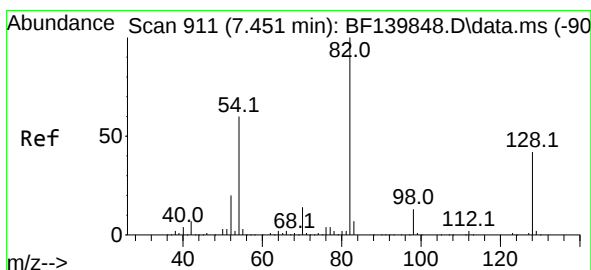
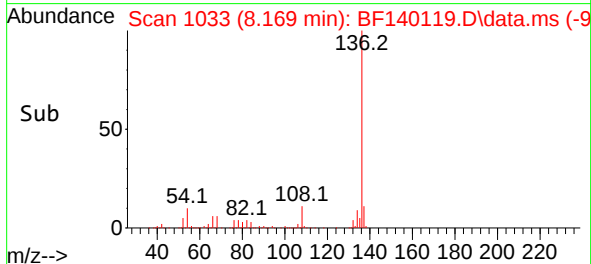
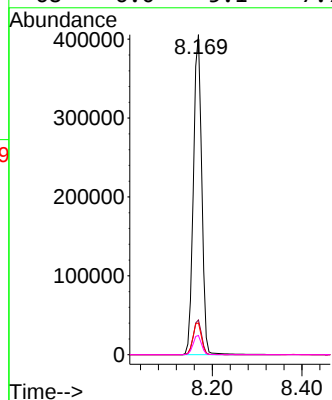
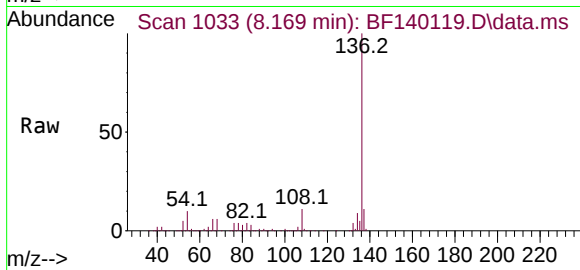
Ion Ratio Lower Upper

136 100

137 10.8 8.6 12.8

54 10.0 8.4 12.6

68 6.0 5.1 7.7



#23

Nitrobenzene-d5

Concen: 59.470 ng

RT: 7.446 min Scan# 910

Delta R.T. -0.006 min

Lab File: BF140119.D

Acq: 29 Oct 2024 18:37

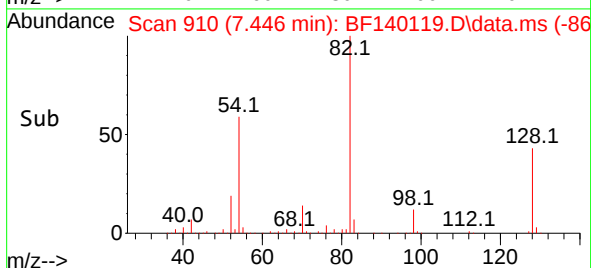
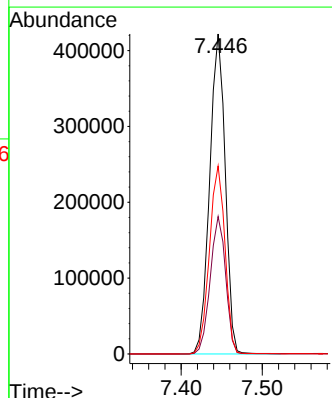
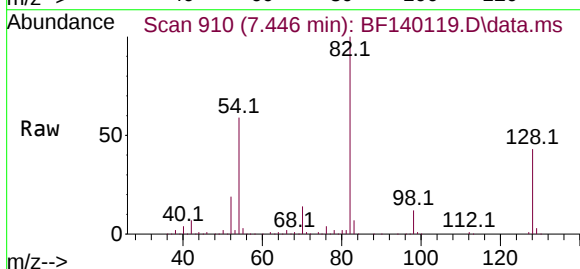
Tgt Ion: 82 Resp: 561622

Ion Ratio Lower Upper

82 100

128 42.9 33.4 50.0

54 58.8 47.8 71.8

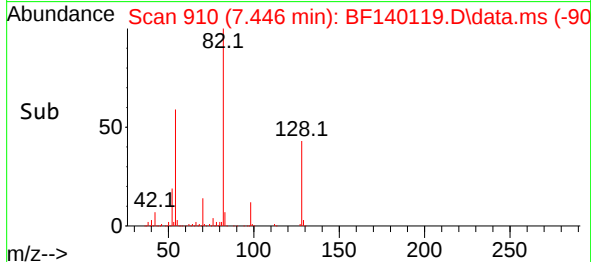
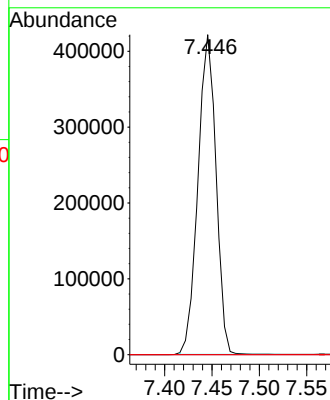
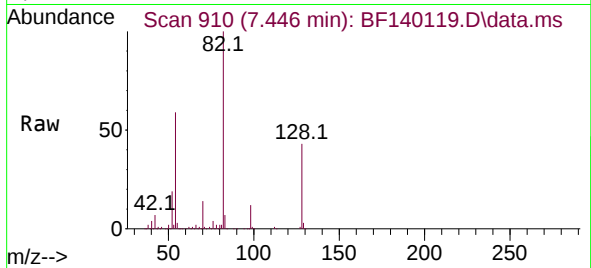




#25
Isophorone
Concen: 31.108 ng
RT: 7.446 min Scan# 910
Delta R.T. -0.264 min
Lab File: BF140119.D
Acq: 29 Oct 2024 18:37

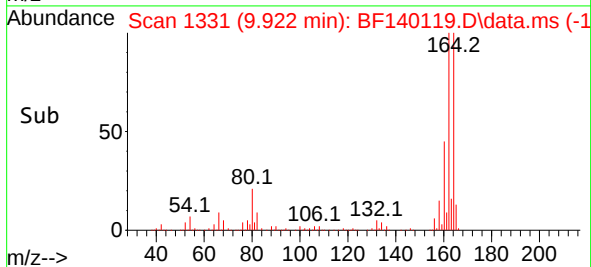
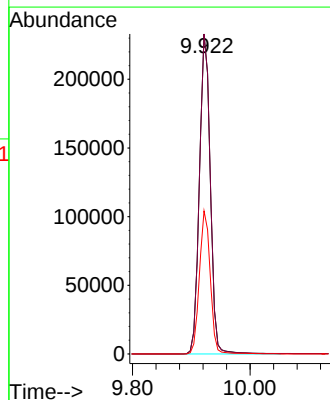
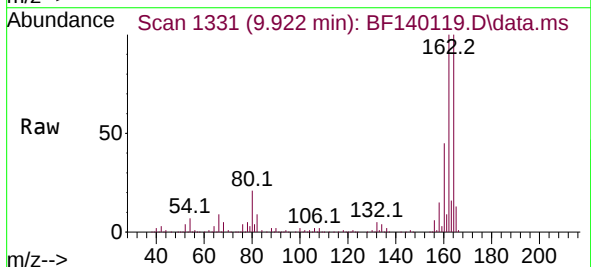
Instrument :
BNA_F
ClientSampleId :
BLUE-2-1

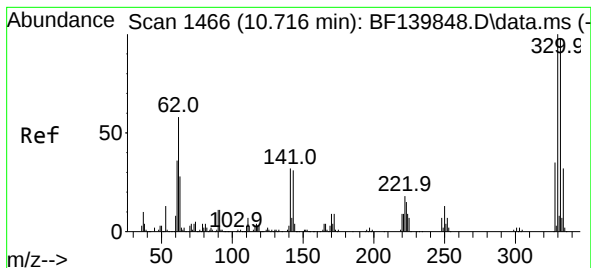
Tgt Ion: 82 Resp: 557587
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF140119.D
Acq: 29 Oct 2024 18:37

Tgt Ion: 164 Resp: 298630
Ion Ratio Lower Upper
164 100
162 100.0 81.0 121.4
160 44.7 35.4 53.0

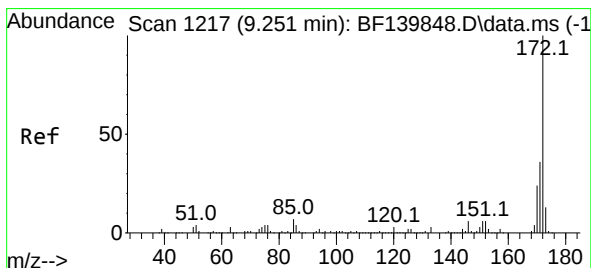
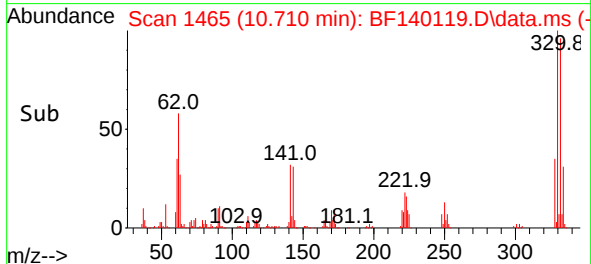
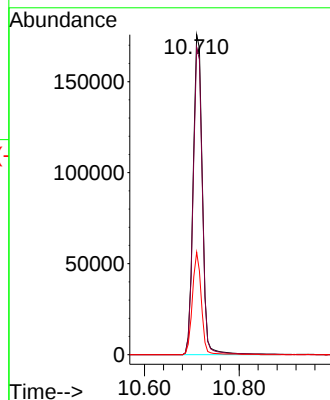
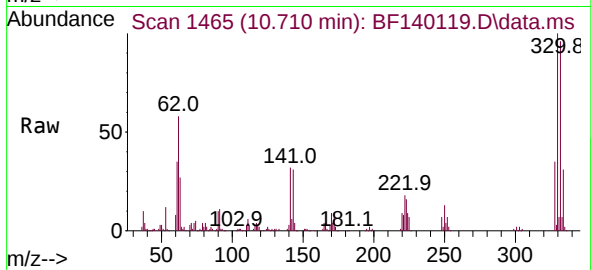




#42
2,4,6-Tribromophenol
Concen: 84.733 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF140119.D
Acq: 29 Oct 2024 18:37

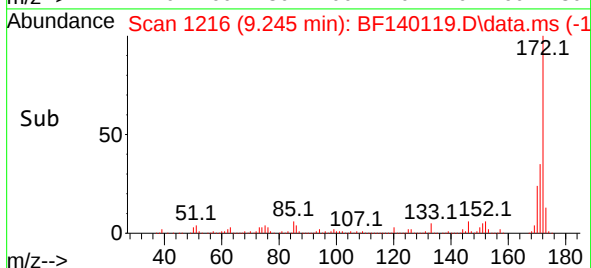
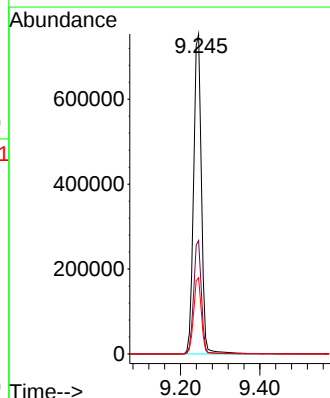
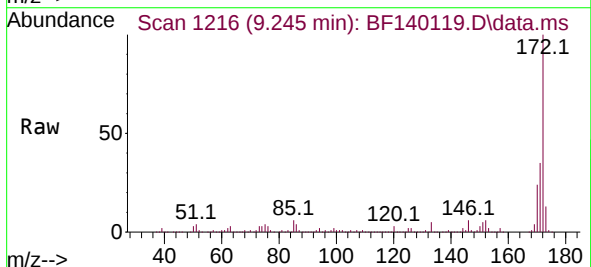
Instrument :
BNA_F
ClientSampleId :
BLUE-2-1

Tgt Ion:330 Resp: 236683
Ion Ratio Lower Upper
330 100
332 95.9 78.1 117.1
141 31.2 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 57.632 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF140119.D
Acq: 29 Oct 2024 18:37

Tgt Ion:172 Resp: 1041359
Ion Ratio Lower Upper
172 100
171 35.5 28.6 43.0
170 23.8 19.1 28.7

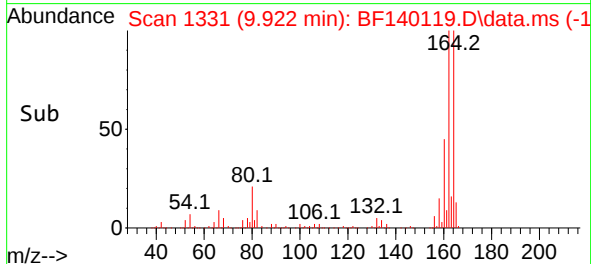
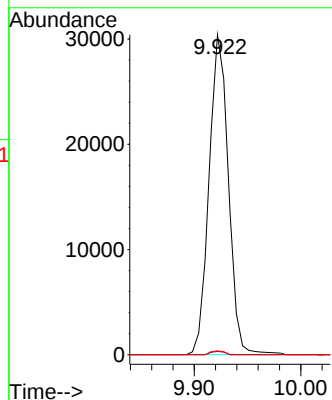
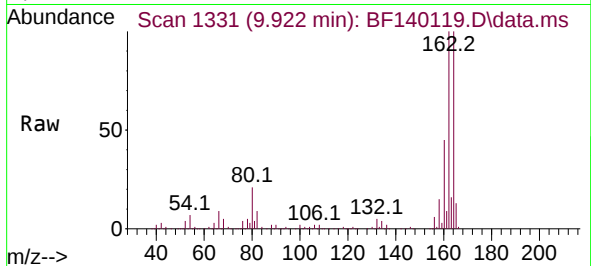




#51
2,6-Dinitrotoluene
Concen: 9.539 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF140119.D
Acq: 29 Oct 2024 18:37

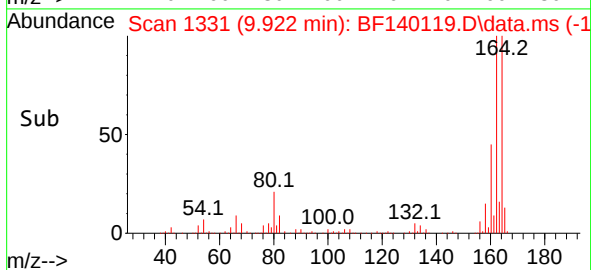
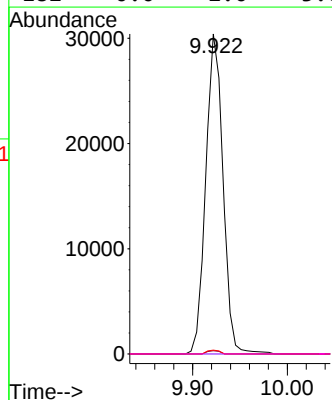
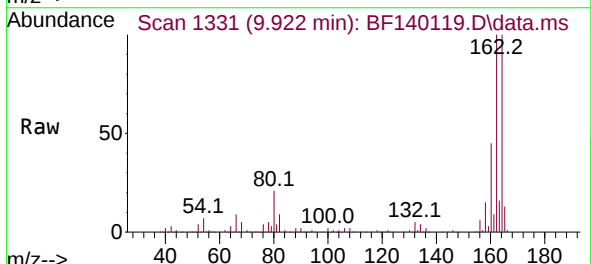
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ClientSampleId :
BLUE-2-1

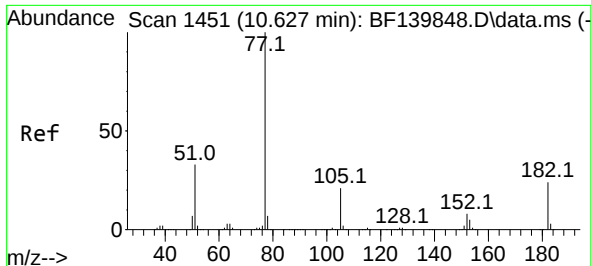
Tgt Ion:165 Resp: 38420
Ion Ratio Lower Upper
165 100
63 1.0 50.6 75.8#
89 1.2 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.757 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF140119.D
Acq: 29 Oct 2024 18:37

Tgt Ion:165 Resp: 38420
Ion Ratio Lower Upper
165 100
63 1.0 40.1 60.1#
89 1.2 60.4 90.6#
182 0.0 2.0 3.0#

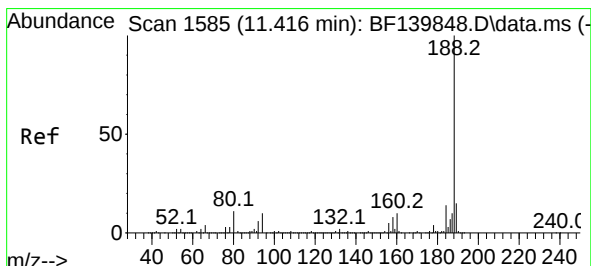
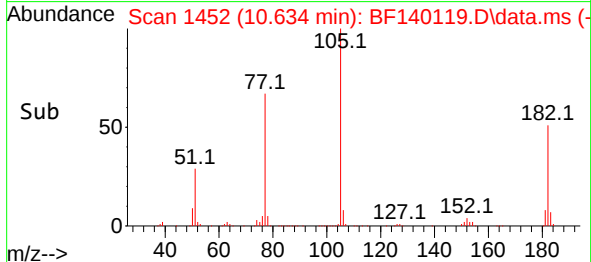
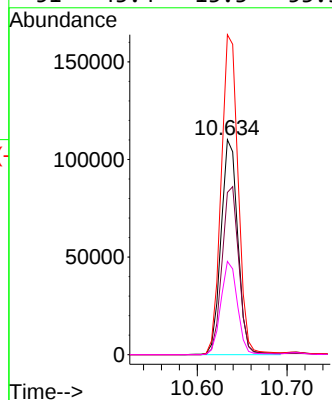
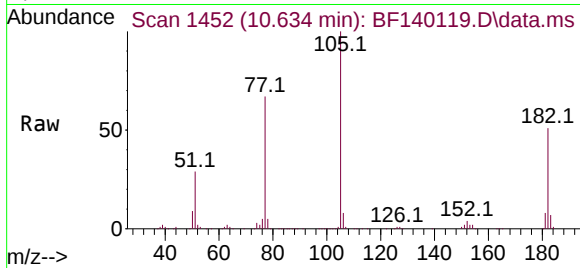




#63
Azobenzene
Concen: 7.402 ng
RT: 10.634 min Scan# 1451
Delta R.T. 0.006 min
Lab File: BF140119.D
Acq: 29 Oct 2024 18:37

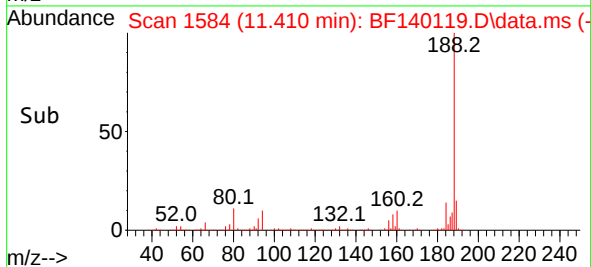
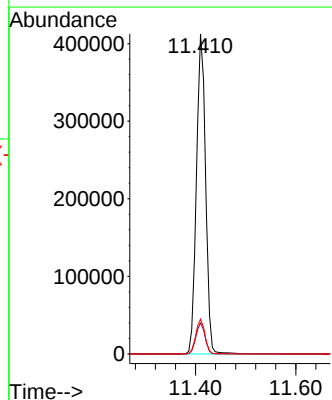
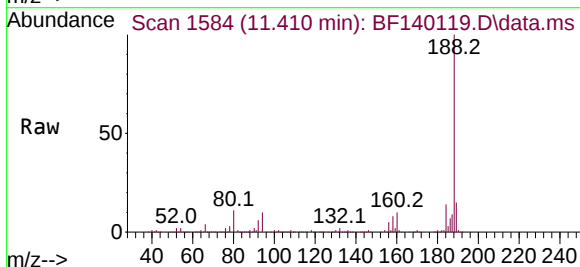
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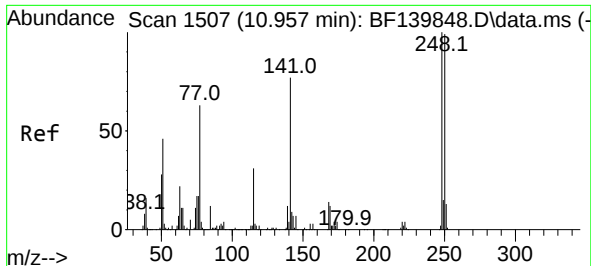
Tgt Ion: 77 Resp: 143327
Ion Ratio Lower Upper
77 100
182 75.5 3.3 43.3#
105 148.8 1.2 41.2#
51 43.4 13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF140119.D
Acq: 29 Oct 2024 18:37

Tgt Ion:188 Resp: 522278
Ion Ratio Lower Upper
188 100
94 9.7 7.9 11.9
80 10.9 9.0 13.4

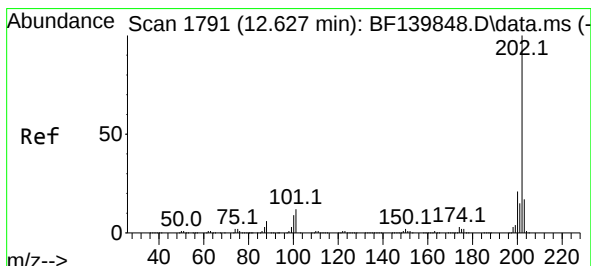
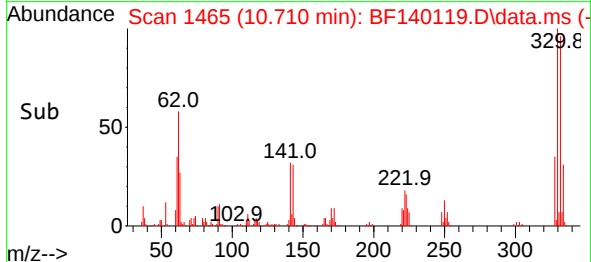
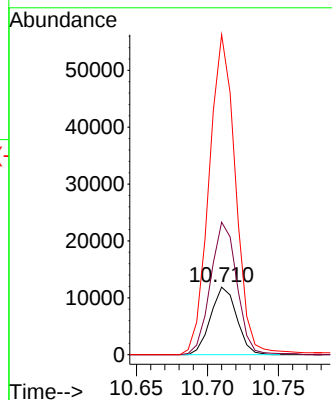
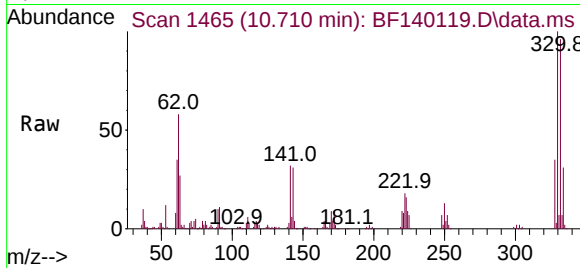




#67
4-Bromophenyl-phenylether
Concen: 2.815 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.247 min
Lab File: BF140119.D
Acq: 29 Oct 2024 18:37

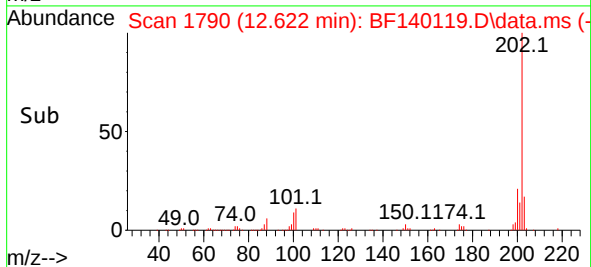
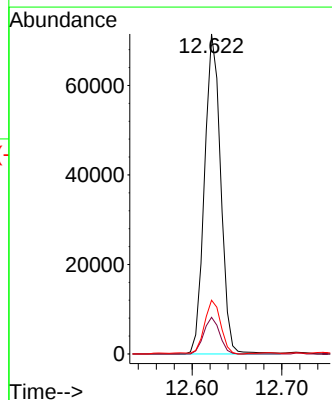
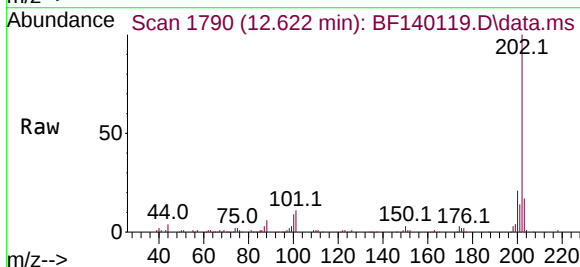
Instrument :
BNA_F
ClientSampleId :
BLUE-2-1

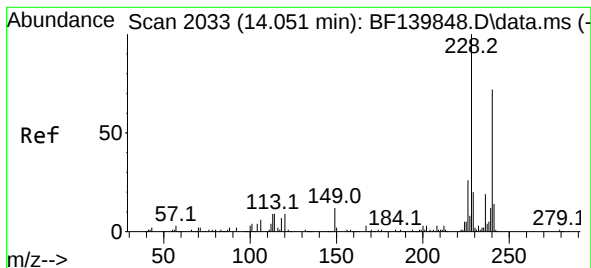
Tgt Ion:248 Resp: 15144
Ion Ratio Lower Upper
248 100
250 196.1 79.0 118.6#
141 473.6 61.7 92.5#



#75
Fluoranthene
Concen: 3.593 ng
RT: 12.622 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BF140119.D
Acq: 29 Oct 2024 18:37

Tgt Ion:202 Resp: 89616
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.9
203 16.8 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2035

Delta R.T. 0.012 min

Lab File: BF140119.D

Acq: 29 Oct 2024 18:37

Instrument :

BNA_F

ClientSampleId :

BLUE-2-1

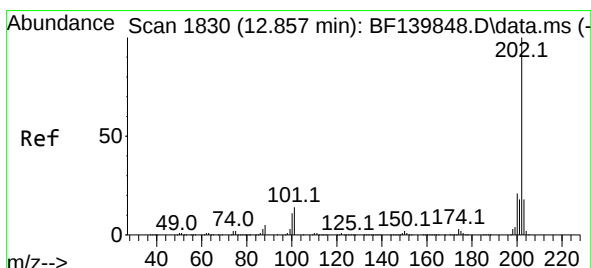
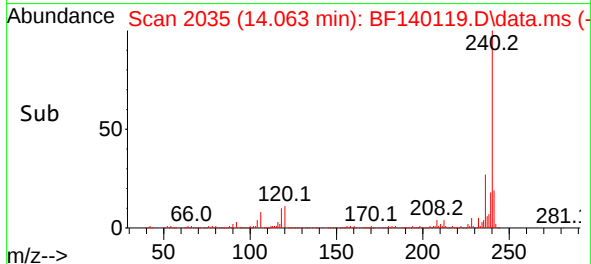
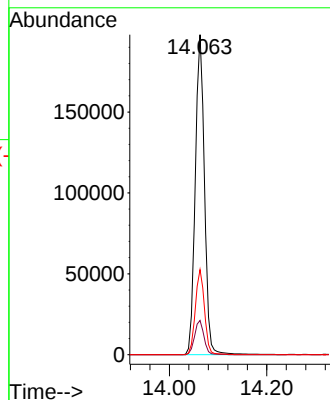
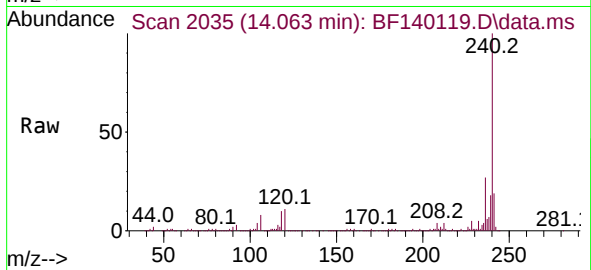
Tgt Ion:240 Resp: 261589

Ion Ratio Lower Upper

240 100

120 10.7 9.4 14.2

236 26.6 20.9 31.3



#78

Pyrene

Concen: 3.047 ng

RT: 12.851 min Scan# 1829

Delta R.T. -0.006 min

Lab File: BF140119.D

Acq: 29 Oct 2024 18:37

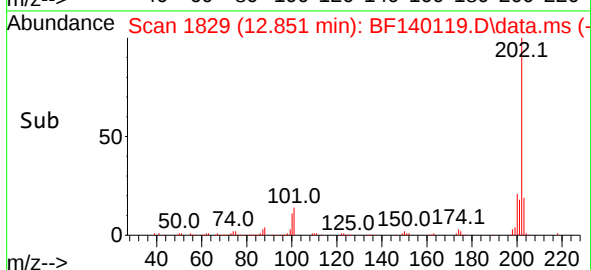
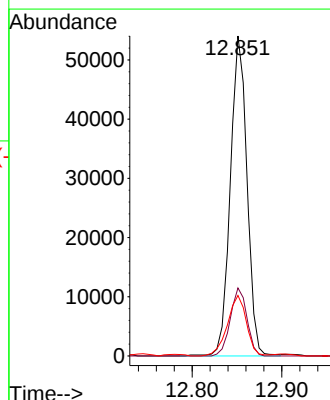
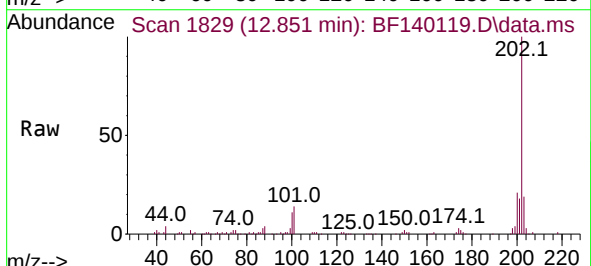
Tgt Ion:202 Resp: 69758

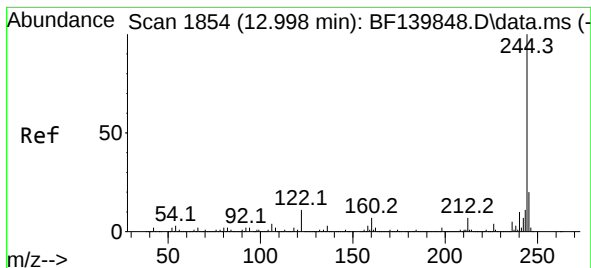
Ion Ratio Lower Upper

202 100

200 21.2 17.2 25.8

203 18.9 14.2 21.4





#79

Terphenyl-d14

Concen: 57.903 ng

RT: 12.998 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF140119.D

Acq: 29 Oct 2024 18:37

Instrument :

BNA_F

ClientSampleId :

BLUE-2-1

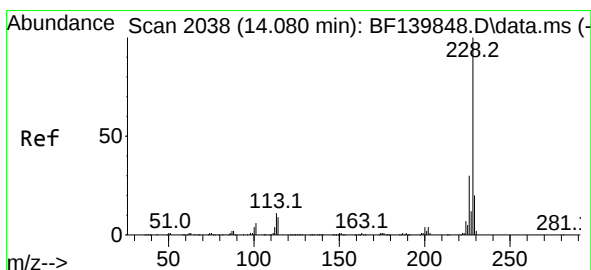
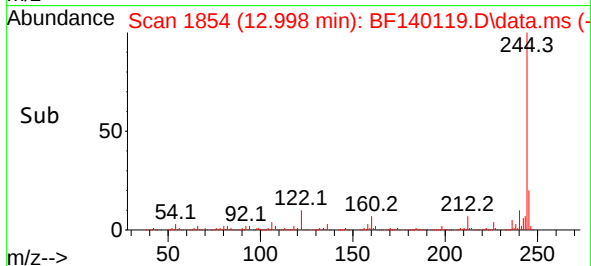
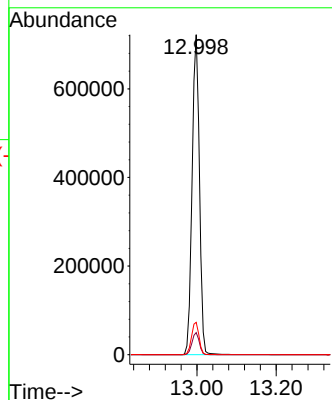
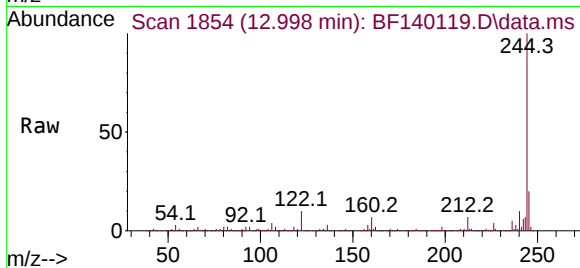
Tgt Ion:244 Resp: 929553

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

122 10.1 8.6 13.0



#83

Chrysene

Concen: 2.061 ng

RT: 14.086 min Scan# 2039

Delta R.T. 0.006 min

Lab File: BF140119.D

Acq: 29 Oct 2024 18:37

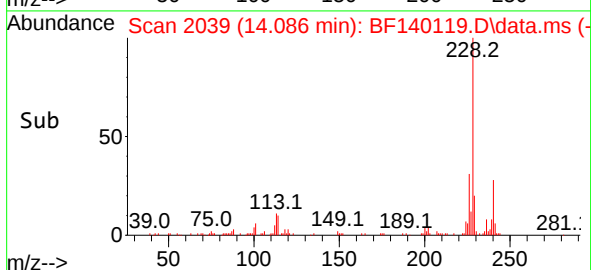
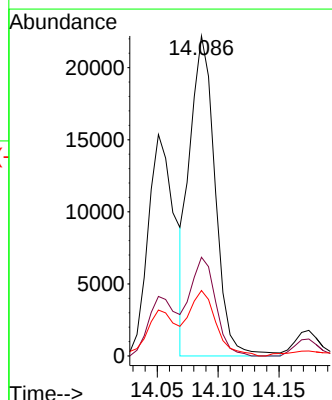
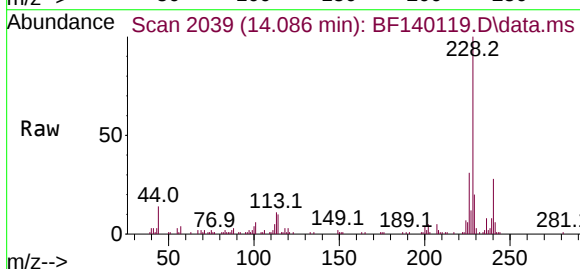
Tgt Ion:228 Resp: 32173

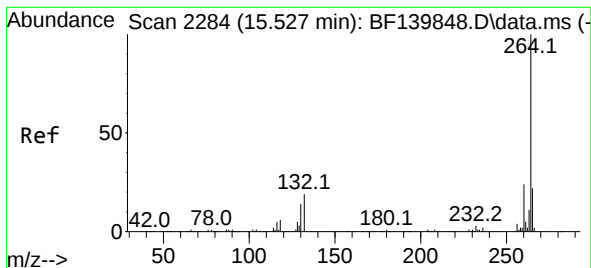
Ion Ratio Lower Upper

228 100

226 30.8 24.1 36.1

229 20.4 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.580 min Scan# 21

Delta R.T. 0.053 min

Lab File: BF140119.D

Acq: 29 Oct 2024 18:37

Instrument :

BNA_F

ClientSampleId :

BLUE-2-1

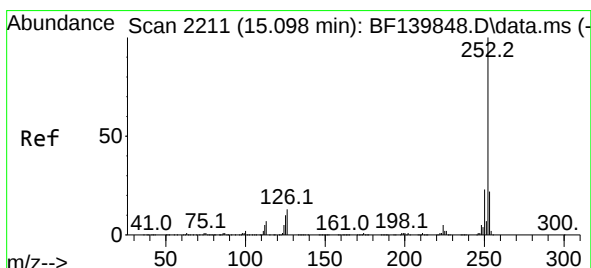
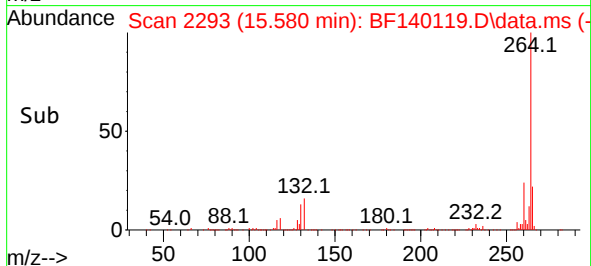
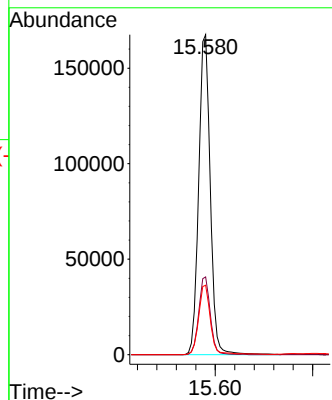
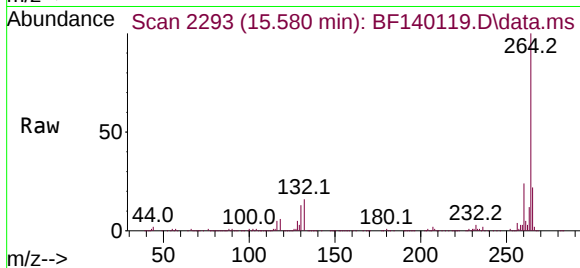
Tgt Ion:264 Resp: 276912

Ion Ratio Lower Upper

264 100

260 24.3 19.4 29.2

265 21.7 17.4 26.0



#88

Benzo(b)fluoranthene

Concen: 3.455 ng

RT: 15.139 min Scan# 2218

Delta R.T. 0.041 min

Lab File: BF140119.D

Acq: 29 Oct 2024 18:37

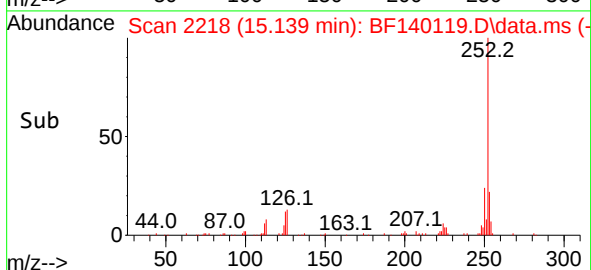
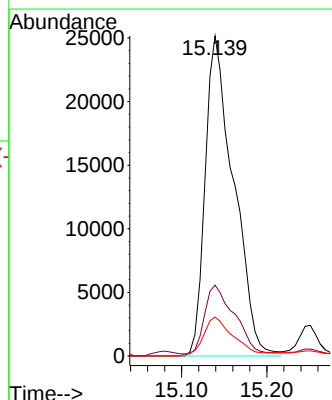
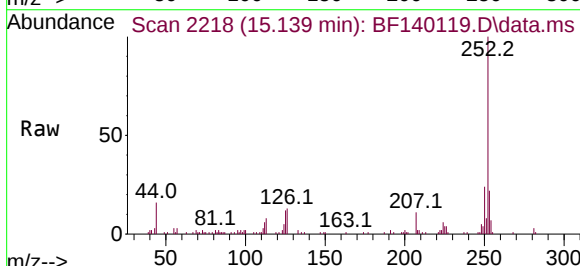
Tgt Ion:252 Resp: 58283

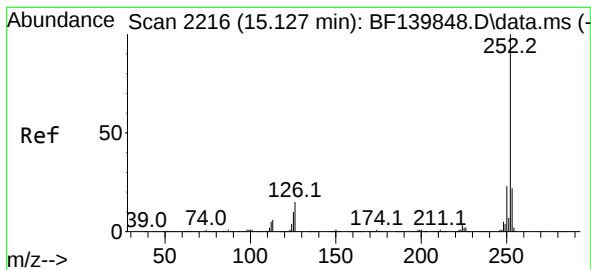
Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

125 12.2 7.9 11.9#





#89

Benzo(k)fluoranthene

Concen: 4.006 ng

RT: 15.139 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF140119.D

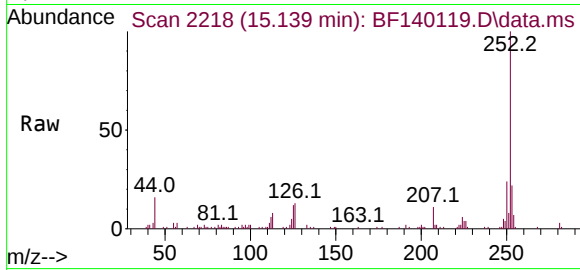
Acq: 29 Oct 2024 18:37

Instrument :

BNA_F

ClientSampleId :

BLUE-2-1



Tgt Ion:252 Resp: 58283

Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

125 12.2 7.9 11.9#

