

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
 Data File : BF140561.D
 Acq On : 22 Nov 2024 02:39
 Operator : RC/JU
 Sample : P4936-01 10X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-11202024

Quant Time: Nov 22 03:32:31 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)

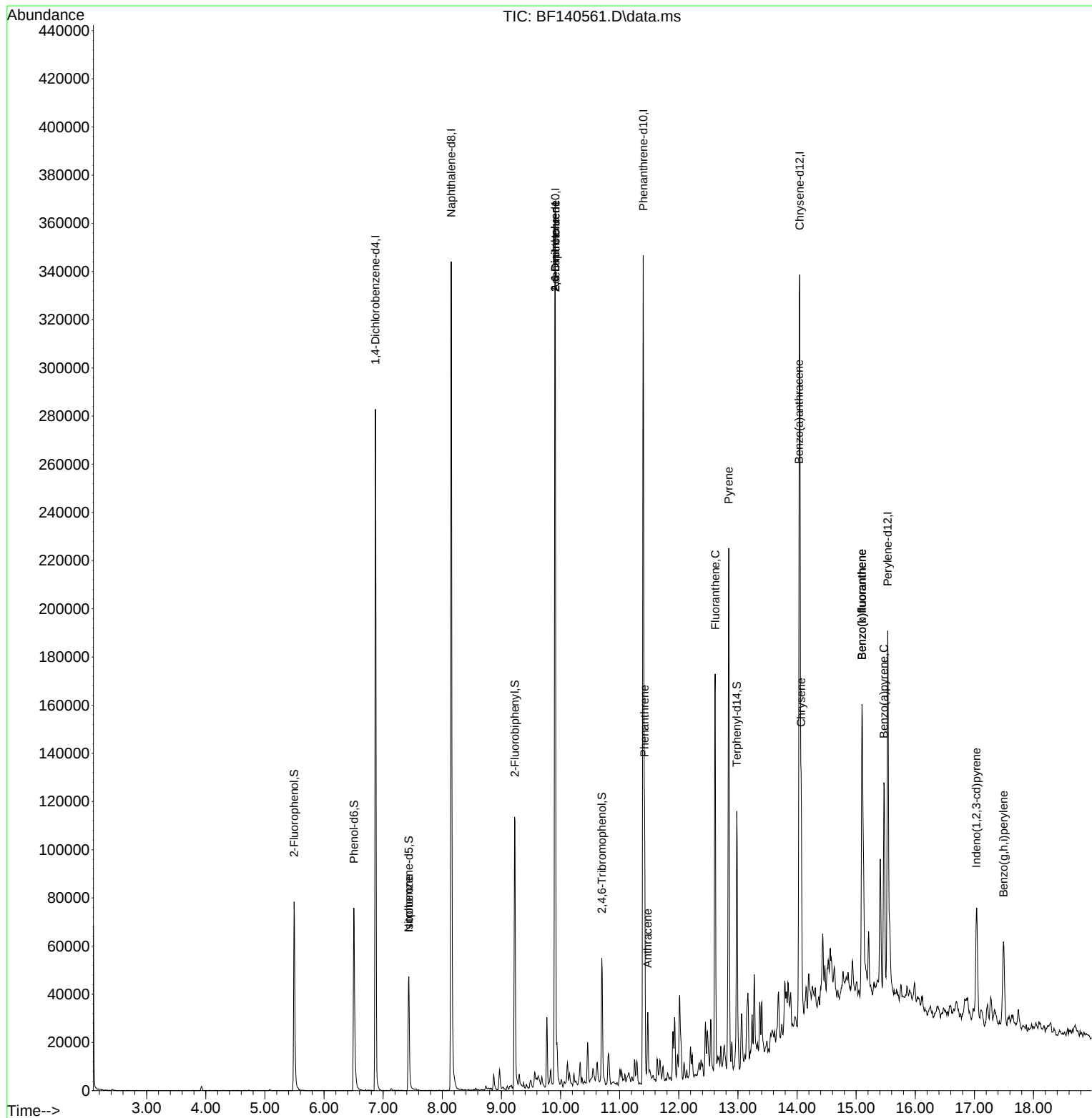
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	59987	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	222924	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	114420	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	183314	20.000	ng	0.00
76) Chrysene-d12	14.045	240	111134	20.000	ng	0.00
86) Perylene-d12	15.533	264	86229	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	34156	9.715	ng	0.00
7) Phenol-d6	6.504	99	43518	9.363	ng	-0.01
23) Nitrobenzene-d5	7.434	82	26933	6.180	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	9373	7.659	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	57756	7.521	ng	0.00
79) Terphenyl-d14	12.980	244	48044	6.732	ng	-0.01
Target Compounds						Qvalue
25) Isophorone	7.434	82	26933	3.705	ng	# 66
51) 2,6-Dinitrotoluene	9.910	165	15276	8.938	ng	# 21
57) 2,4-Dinitrotoluene	9.910	165	15276	6.725	ng	# 18
71) Phenanthrene	11.422	178	56788	6.445	ng	97
72) Anthracene	11.475	178	17511	2.032	ng	99
75) Fluoranthene	12.616	202	97422	10.183	ng	98
78) Pyrene	12.845	202	124305	12.097	ng	99
81) Benzo(a)anthracene	14.033	228	60954	8.286	ng	95
83) Chrysene	14.069	228	51464	7.651	ng	98
87) Indeno(1,2,3-cd)pyrene	17.033	276	32759	5.830	ng	98
88) Benzo(b)fluoranthene	15.098	252	98538	18.193	ng	98
89) Benzo(k)fluoranthene	15.098	252	98538	20.790	ng	99
90) Benzo(a)pyrene	15.468	252	51281	11.645	ng	98
92) Benzo(g,h,i)perylene	17.492	276	32697	6.962	ng	96

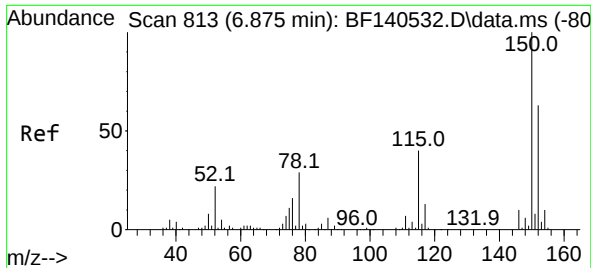
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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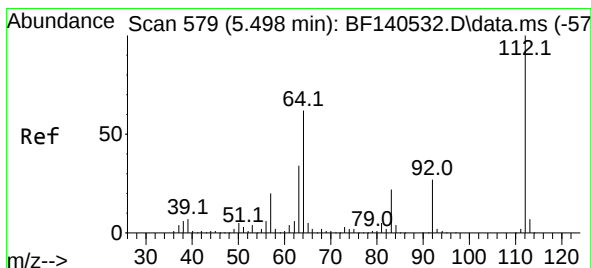
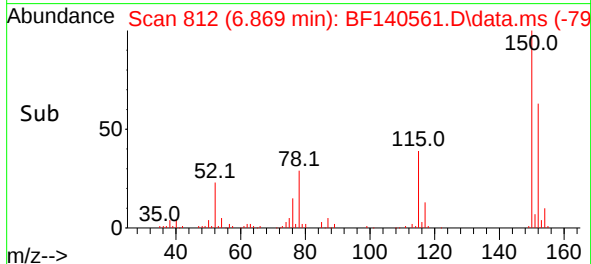
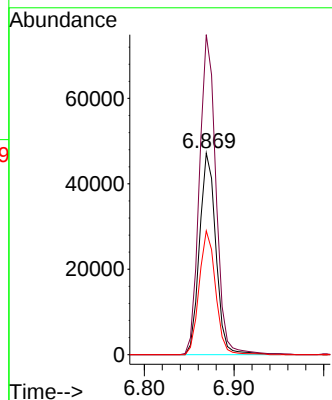
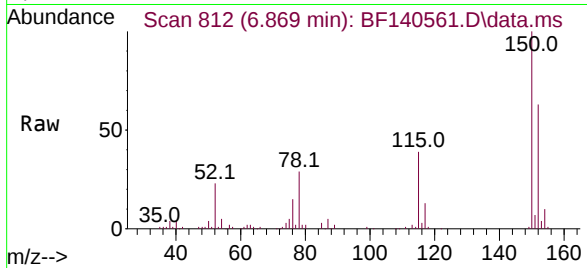




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140561.D
Acq: 22 Nov 2024 02:39

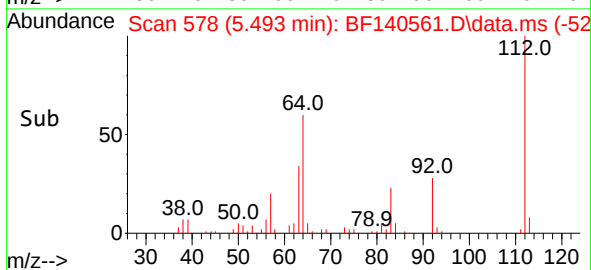
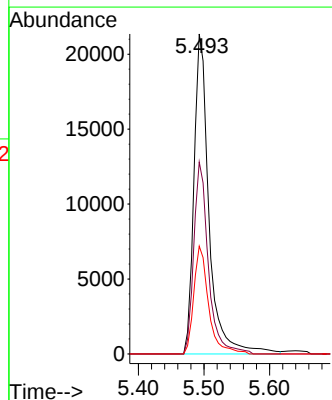
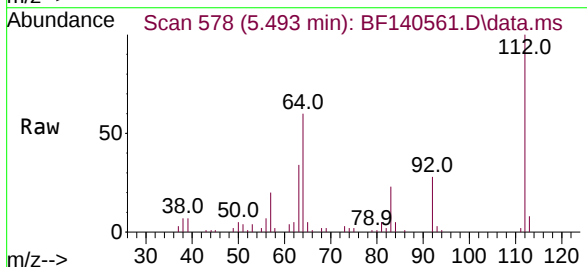
Instrument :
BNA_F
ClientSampleId :
PL-01-11202024

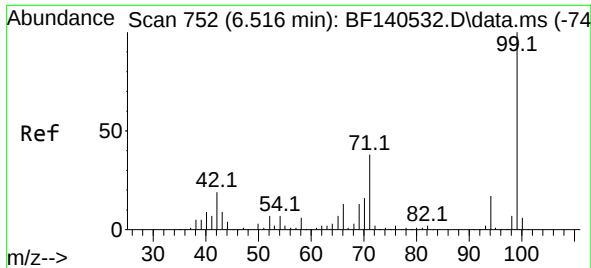
Tgt Ion:152 Resp: 59987
Ion Ratio Lower Upper
152 100
150 158.8 128.5 192.7
115 61.4 50.2 75.4



#5
2-Fluorophenol
Concen: 9.715 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF140561.D
Acq: 22 Nov 2024 02:39

Tgt Ion:112 Resp: 34156
Ion Ratio Lower Upper
112 100
64 60.0 49.2 73.8
63 33.7 27.0 40.4

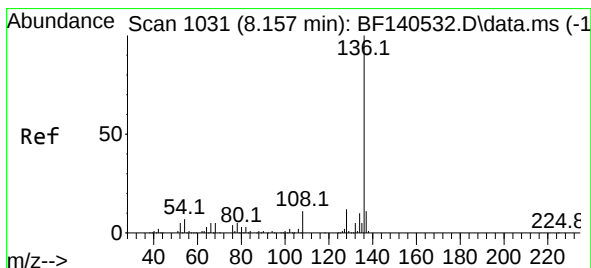
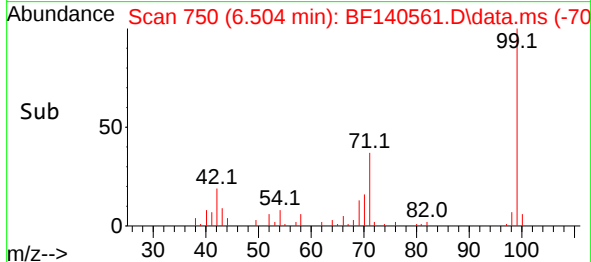
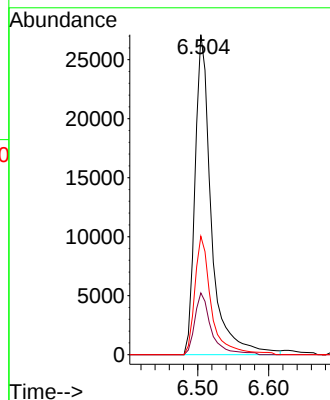
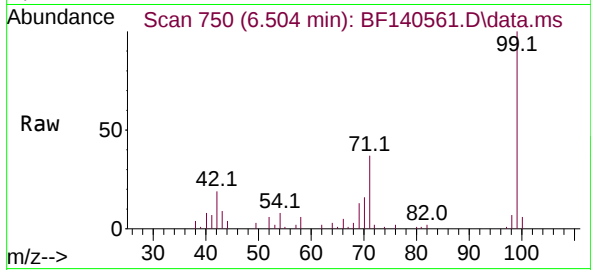




#7
Phenol-d6
Concen: 9.363 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF140561.D
Acq: 22 Nov 2024 02:39

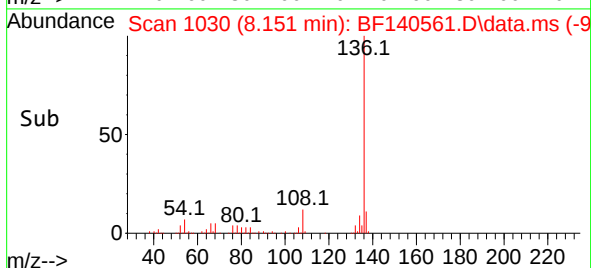
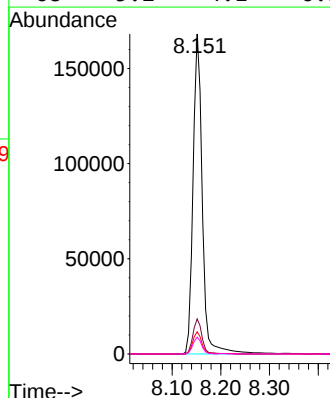
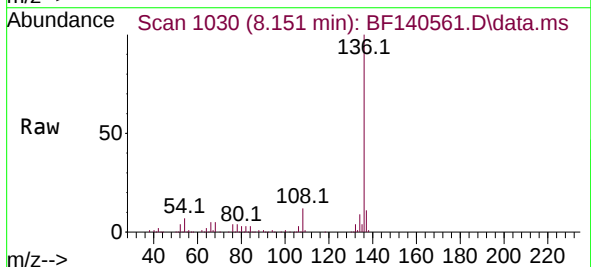
Instrument :
BNA_F
ClientSampleId :
PL-01-11202024

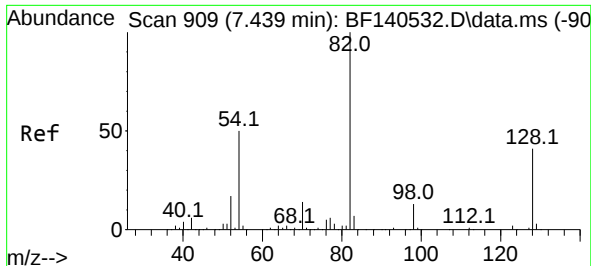
Tgt Ion: 99	Resp: 43518
Ion Ratio	Lower Upper
99 100	
42 19.3	15.4 23.0
71 37.0	30.6 46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140561.D
Acq: 22 Nov 2024 02:39

Tgt	Ion:136	Resp:	222924
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	7.0	5.8	8.8
68	5.2	4.1	6.1





#23

Nitrobenzene-d5

Concen: 6.180 ng

RT: 7.434 min Scan# 908

Delta R.T. -0.006 min

Lab File: BF140561.D

Acq: 22 Nov 2024 02:39

Instrument :

BNA_F

ClientSampleId :

PL-01-11202024

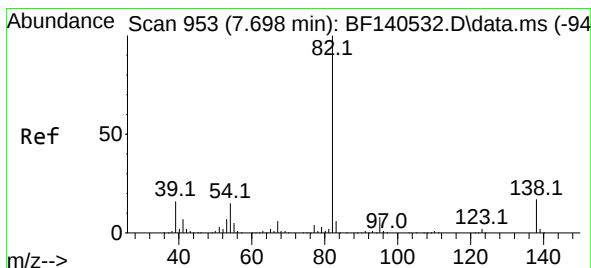
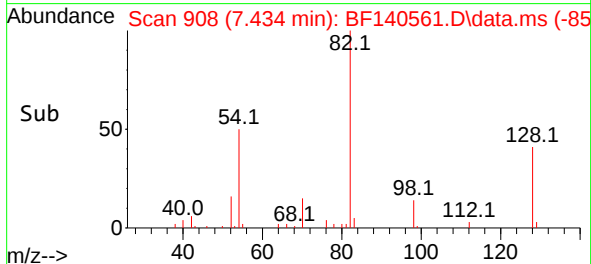
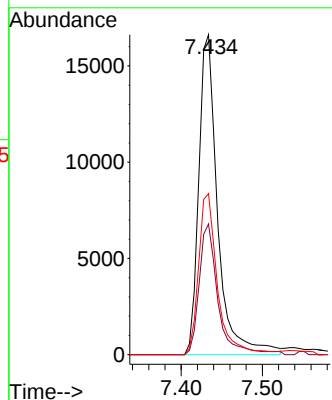
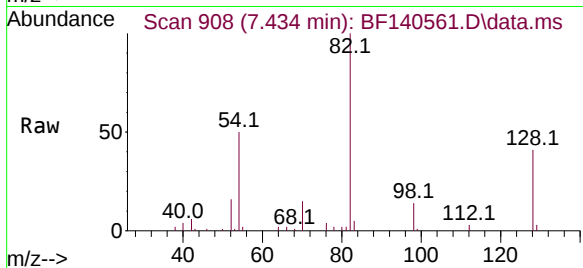
Tgt Ion: 82 Resp: 26933

Ion Ratio Lower Upper

82 100

128 40.9 33.0 49.4

54 50.3 39.5 59.3



#25

Isophorone

Concen: 3.705 ng

RT: 7.434 min Scan# 908

Delta R.T. -0.265 min

Lab File: BF140561.D

Acq: 22 Nov 2024 02:39

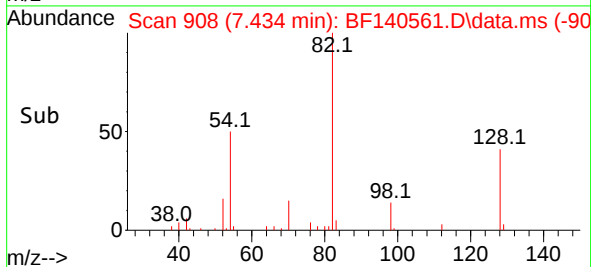
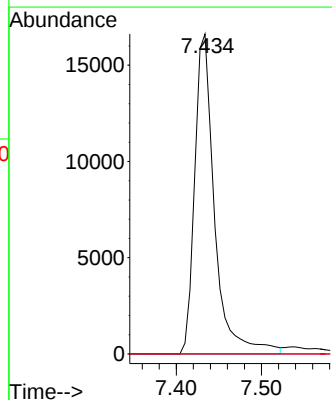
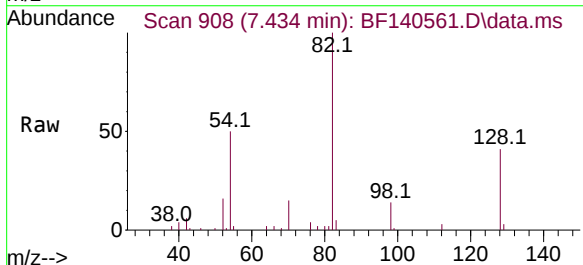
Tgt Ion: 82 Resp: 26933

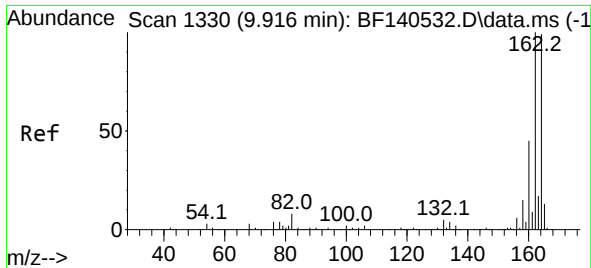
Ion Ratio Lower Upper

82 100

95 0.0 6.4 9.6#

138 0.0 13.8 20.6#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140561.D

Acq: 22 Nov 2024 02:39

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PL-01-11202024

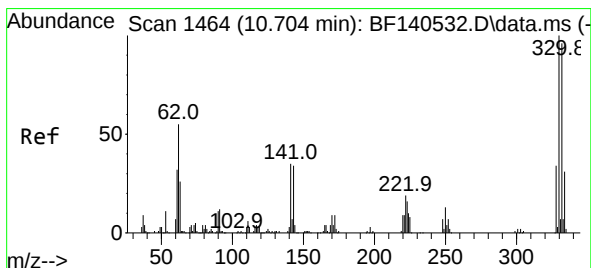
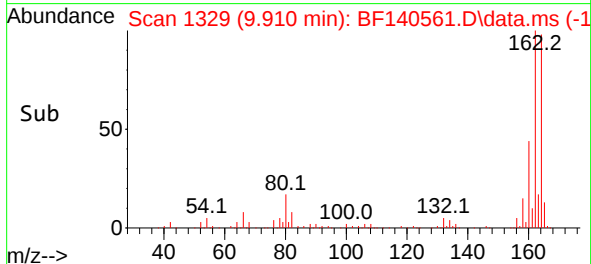
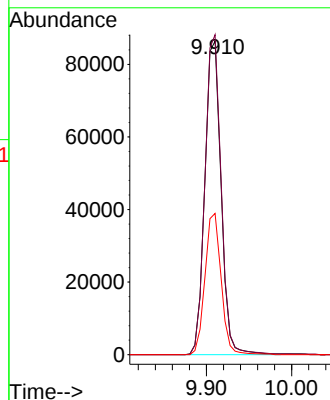
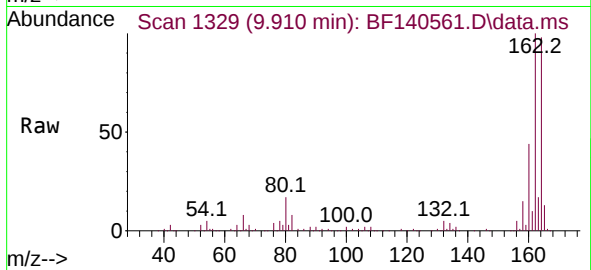
Tgt Ion:164 Resp: 114420

Ion Ratio Lower Upper

164 100

162 102.0 80.6 120.8

160 45.1 36.2 54.4



#42

2,4,6-Tribromophenol

Concen: 7.659 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF140561.D

Acq: 22 Nov 2024 02:39

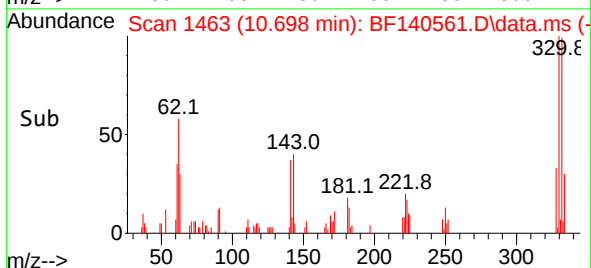
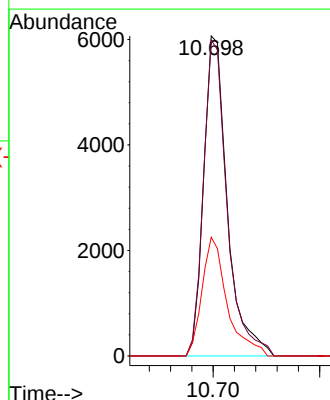
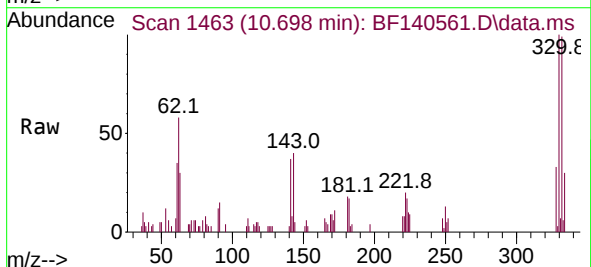
Tgt Ion:330 Resp: 9373

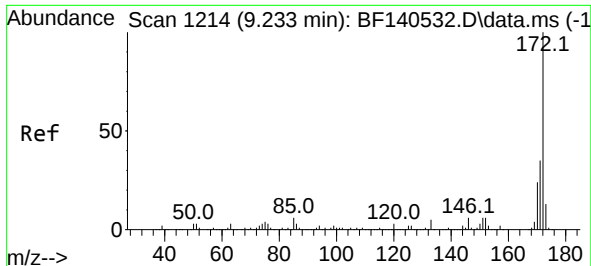
Ion Ratio Lower Upper

330 100

332 98.6 76.9 115.3

141 39.5 26.7 40.1

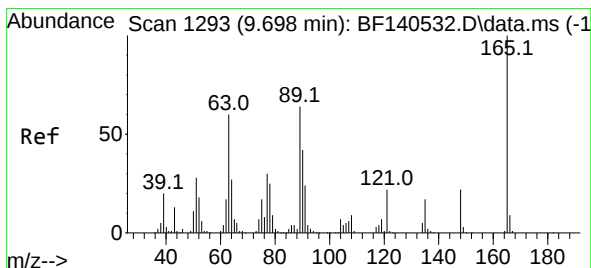
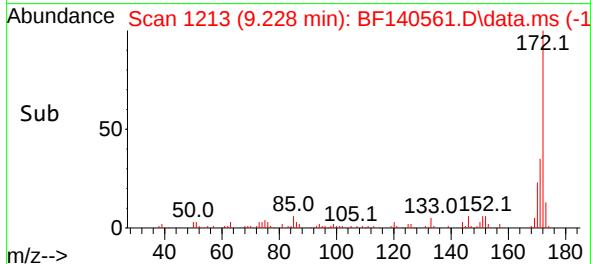
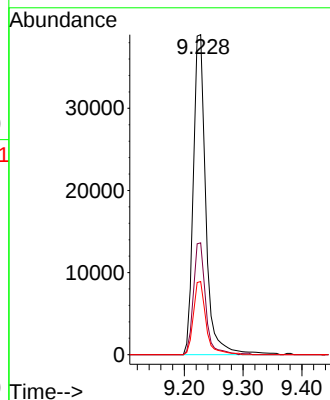
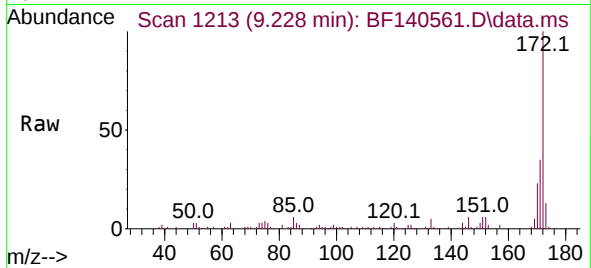




#45
2-Fluorobiphenyl
Concen: 7.521 ng
RT: 9.228 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140561.D
Acq: 22 Nov 2024 02:39

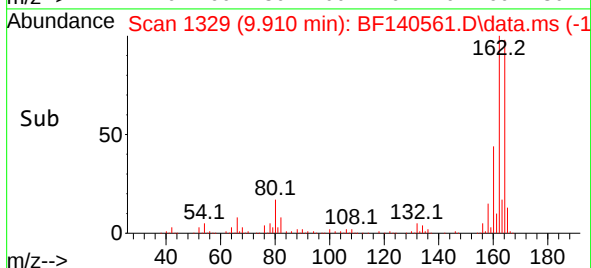
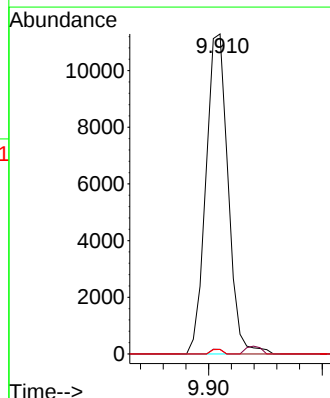
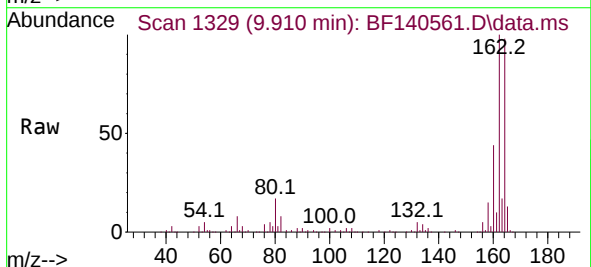
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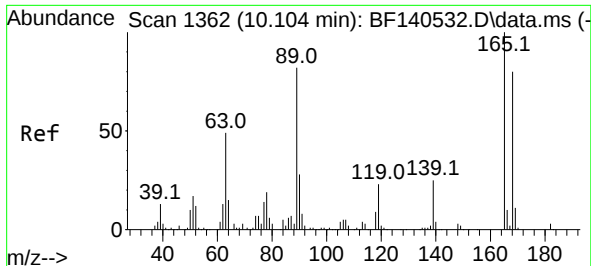
Tgt Ion:172 Resp: 57756
Ion Ratio Lower Upper
172 100
171 35.0 28.4 42.6
170 22.9 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 8.938 ng
RT: 9.910 min Scan# 1329
Delta R.T. 0.212 min
Lab File: BF140561.D
Acq: 22 Nov 2024 02:39

Tgt Ion:165 Resp: 15276
Ion Ratio Lower Upper
165 100
63 1.5 49.9 74.9#
89 1.4 50.9 76.3#

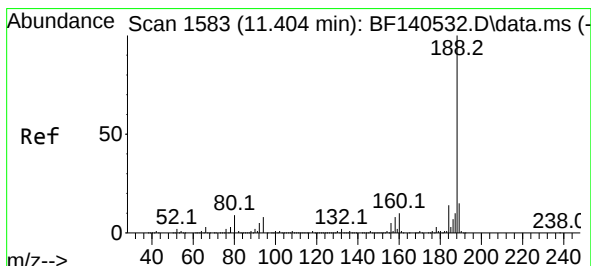
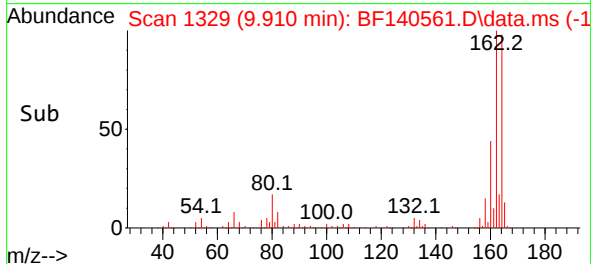
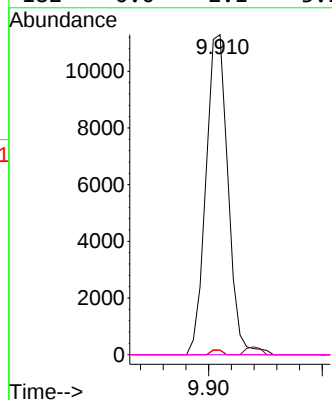
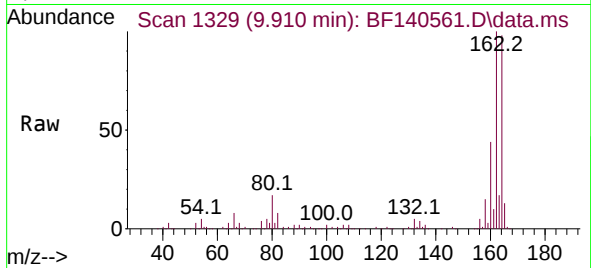




#57
2,4-Dinitrotoluene
Concen: 6.725 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF140561.D
Acq: 22 Nov 2024 02:39

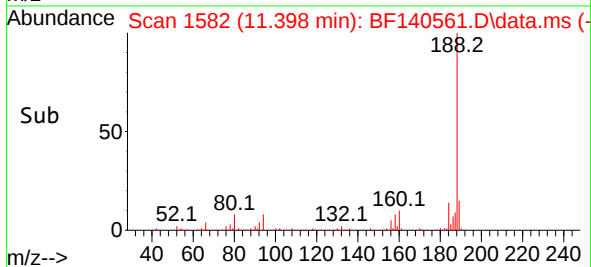
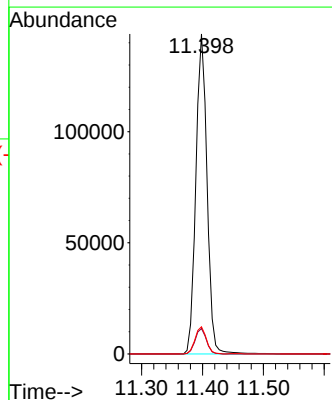
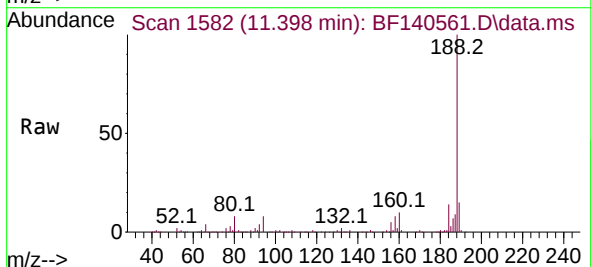
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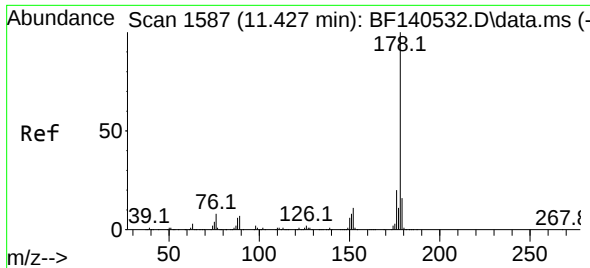
Tgt Ion:165 Resp: 15276
Ion Ratio Lower Upper
165 100
63 1.5 41.7 62.5#
89 1.4 65.8 98.8#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140561.D
Acq: 22 Nov 2024 02:39

Tgt Ion:188 Resp: 183314
Ion Ratio Lower Upper
188 100
94 7.9 6.4 9.6
80 8.5 6.9 10.3

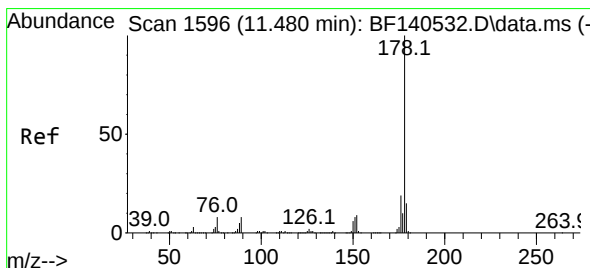
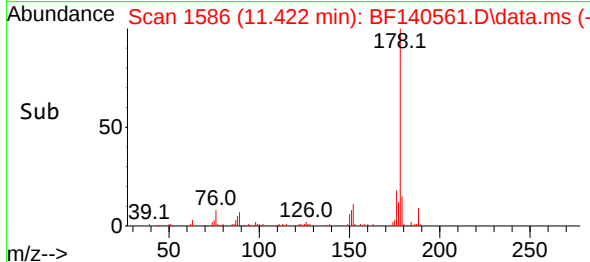
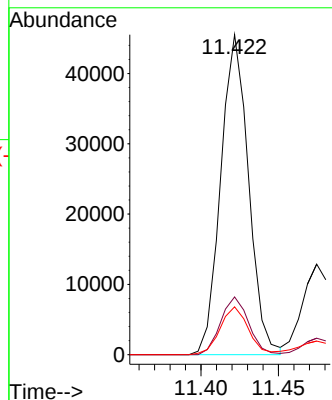
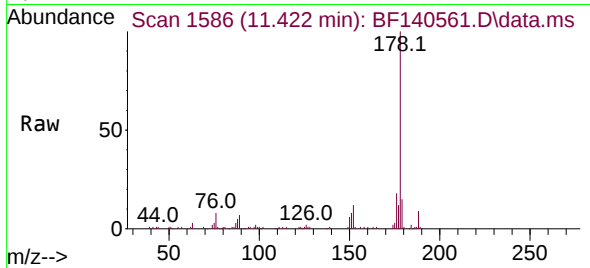




#71
Phenanthrene
Concen: 6.445 ng
RT: 11.422 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140561.D
Acq: 22 Nov 2024 02:39

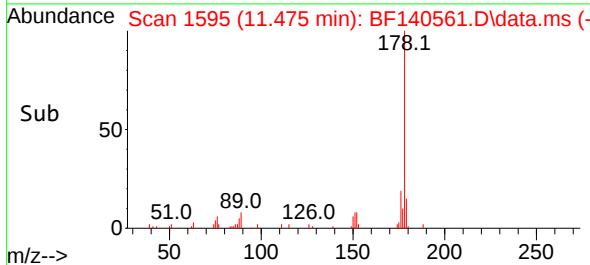
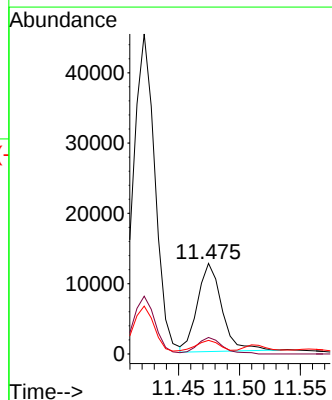
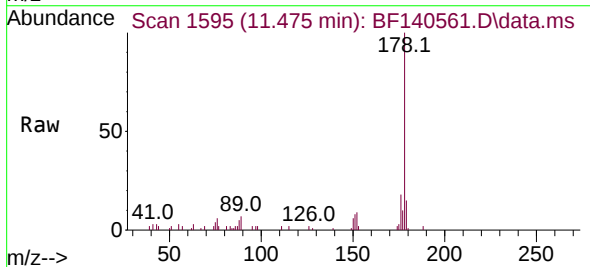
Instrument :
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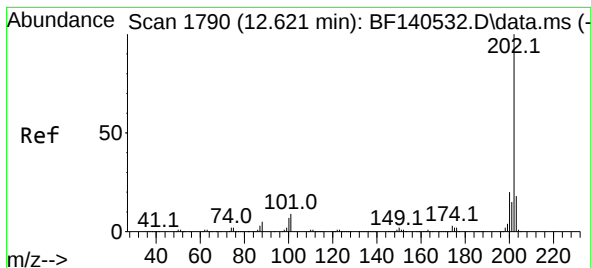
Tgt Ion:178 Resp: 56788
Ion Ratio Lower Upper
178 100
176 18.1 15.8 23.6
179 15.0 12.4 18.6



#72
Anthracene
Concen: 2.032 ng
RT: 11.475 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF140561.D
Acq: 22 Nov 2024 02:39

Tgt Ion:178 Resp: 17511
Ion Ratio Lower Upper
178 100
176 18.3 15.0 22.4
179 15.0 12.2 18.4





#75

Fluoranthene

Concen: 10.183 ng

RT: 12.616 min Scan# 1789

Delta R.T. -0.006 min

Lab File: BF140561.D

Acq: 22 Nov 2024 02:39

Instrument :

BNA_F

ClientSampleId :

PL-01-11202024

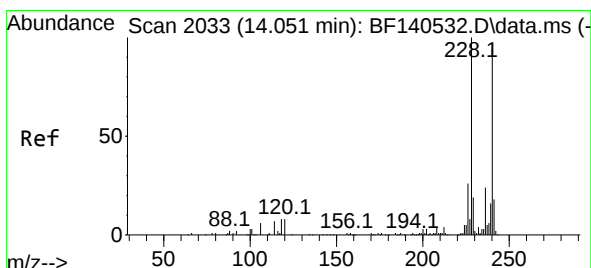
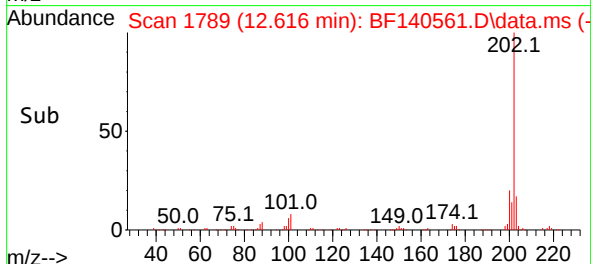
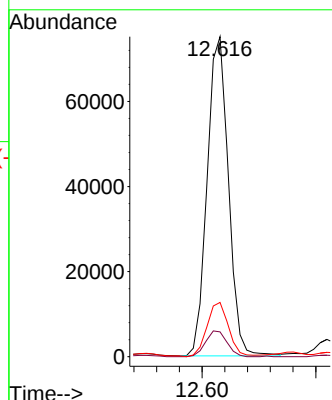
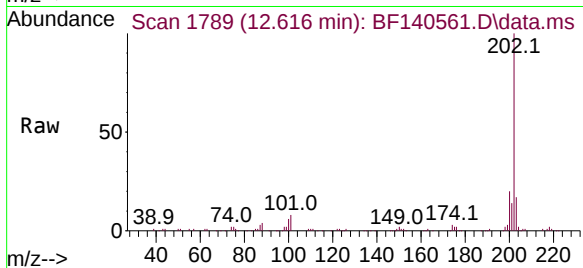
Tgt Ion:202 Resp: 97422

Ion Ratio Lower Upper

202 100

101 7.8 0.0 28.9

203 17.0 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF140561.D

Acq: 22 Nov 2024 02:39

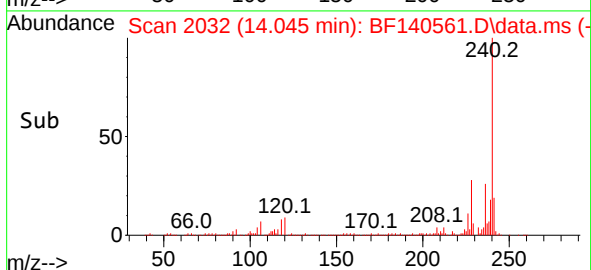
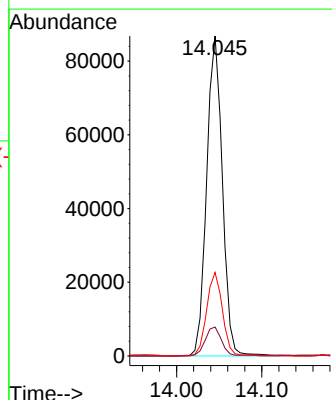
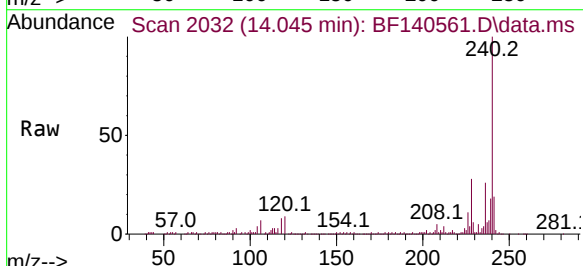
Tgt Ion:240 Resp: 111134

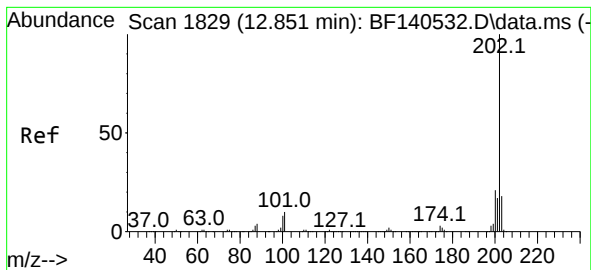
Ion Ratio Lower Upper

240 100

120 9.1 7.3 10.9

236 26.1 20.6 31.0





#78

Pyrene

Concen: 12.097 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.006 min

Lab File: BF140561.D

Acq: 22 Nov 2024 02:39

Instrument :

BNA_F

ClientSampleId :

PL-01-11202024

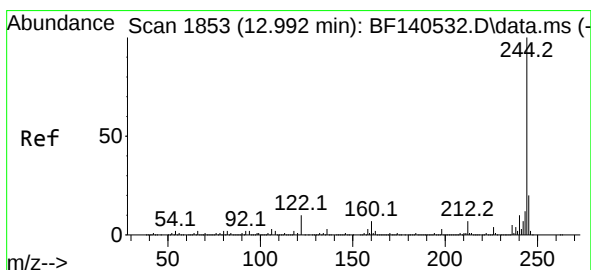
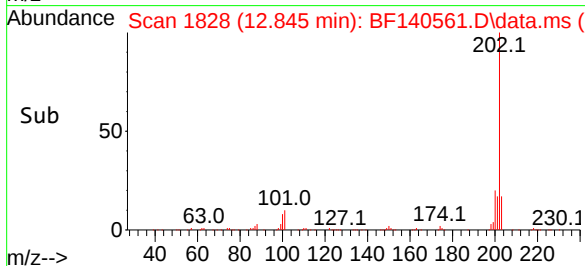
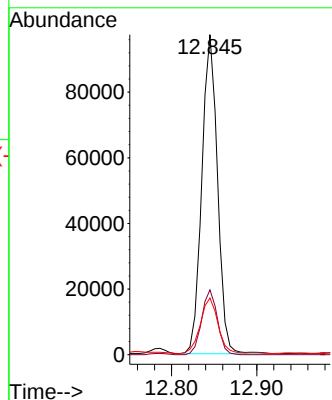
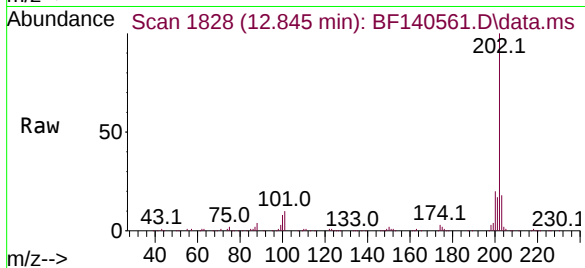
Tgt Ion:202 Resp: 124305

Ion Ratio Lower Upper

202 100

200 20.2 16.5 24.7

203 17.7 14.2 21.4



#79

Terphenyl-d14

Concen: 6.732 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.012 min

Lab File: BF140561.D

Acq: 22 Nov 2024 02:39

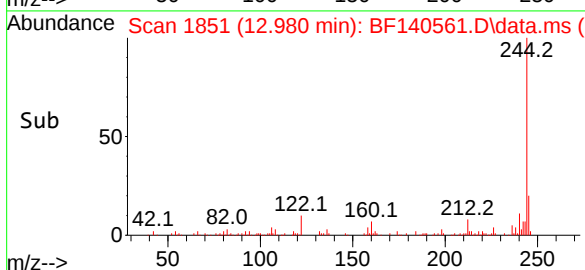
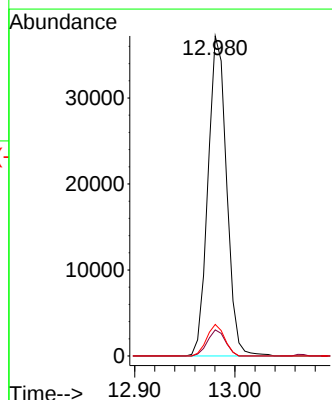
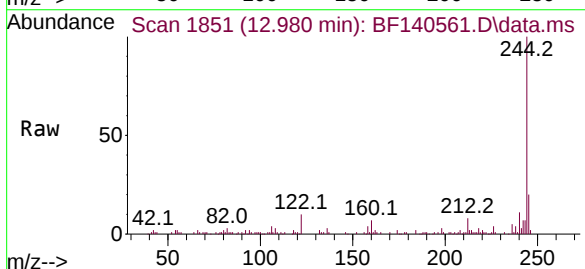
Tgt Ion:244 Resp: 48044

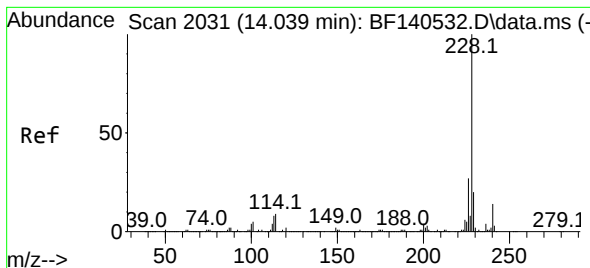
Ion Ratio Lower Upper

244 100

212 8.1 5.8 8.8

122 9.8 8.0 12.0





#81

Benzo(a)anthracene

Concen: 8.286 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF140561.D

Acq: 22 Nov 2024 02:39

Instrument :

BNA_F

ClientSampleId :

PL-01-11202024

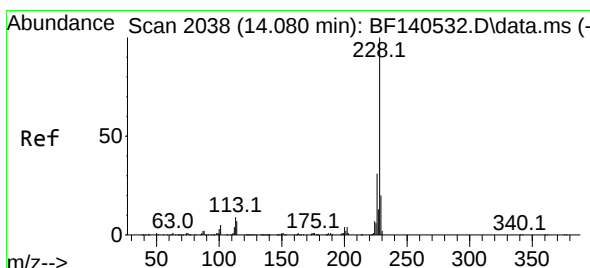
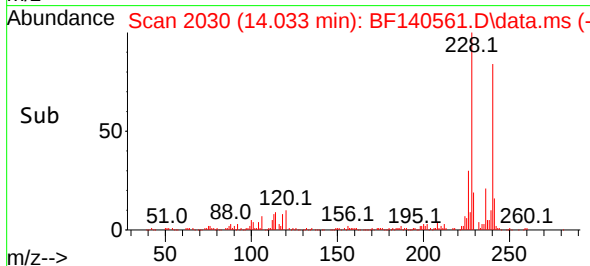
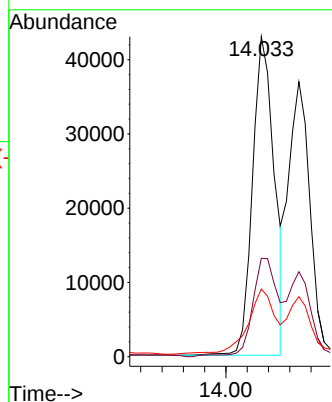
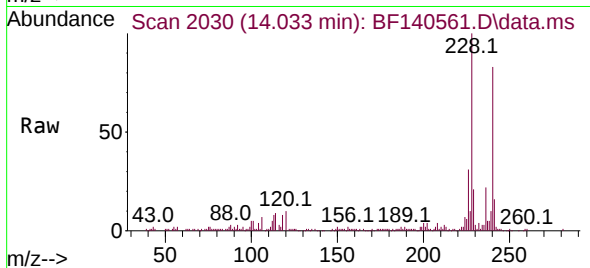
Tgt Ion:228 Resp: 60954

Ion Ratio Lower Upper

228 100

226 30.7 21.8 32.8

229 21.1 15.8 23.6



#83

Chrysene

Concen: 7.651 ng

RT: 14.069 min Scan# 2036

Delta R.T. -0.012 min

Lab File: BF140561.D

Acq: 22 Nov 2024 02:39

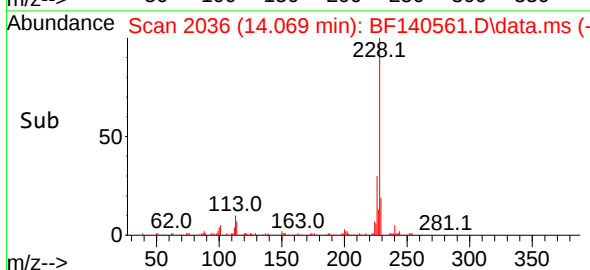
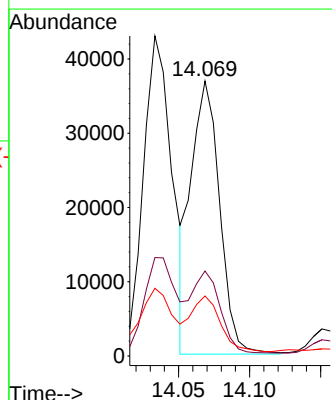
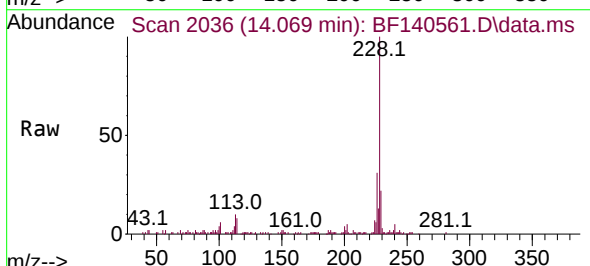
Tgt Ion:228 Resp: 51464

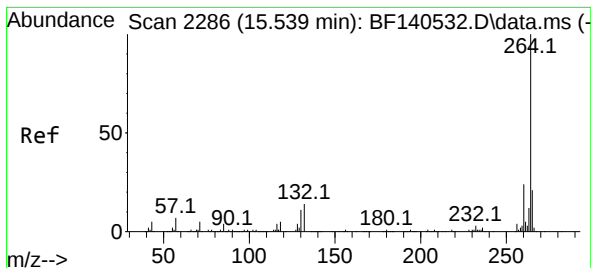
Ion Ratio Lower Upper

228 100

226 30.9 24.4 36.6

229 21.8 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140561.D

Acq: 22 Nov 2024 02:39

Instrument :

BNA_F

ClientSampleId :

PL-01-11202024

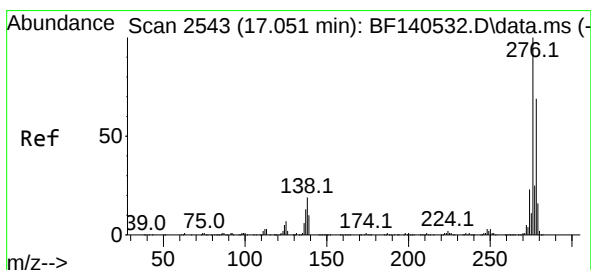
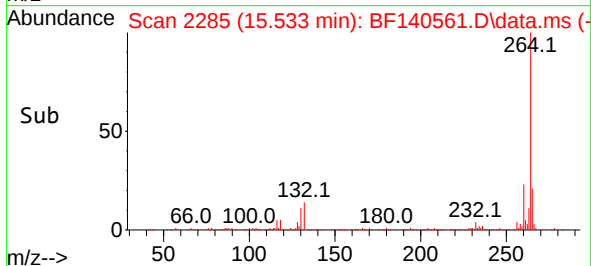
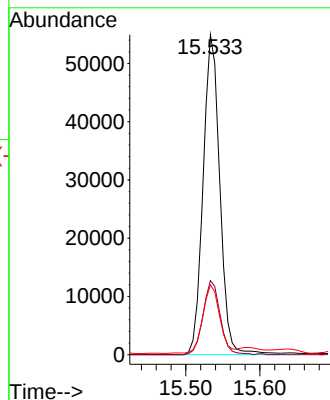
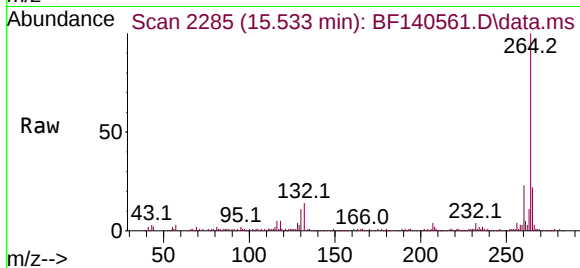
Tgt Ion:264 Resp: 86229

Ion Ratio Lower Upper

264 100

260 23.1 19.0 28.6

265 21.8 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.830 ng

RT: 17.033 min Scan# 2540

Delta R.T. -0.018 min

Lab File: BF140561.D

Acq: 22 Nov 2024 02:39

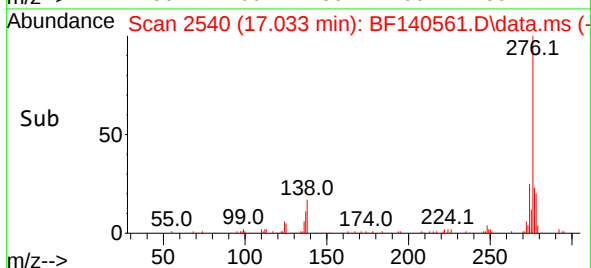
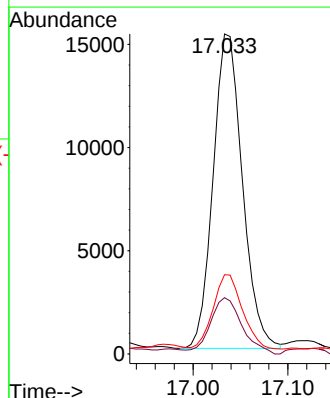
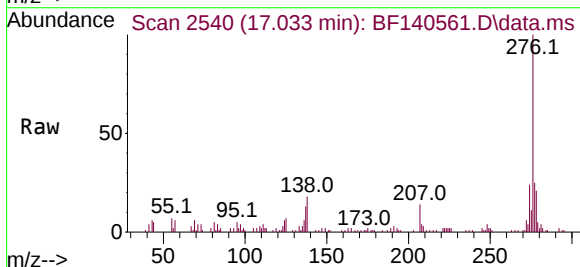
Tgt Ion:276 Resp: 32759

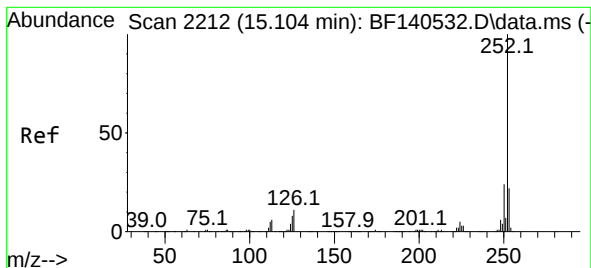
Ion Ratio Lower Upper

276 100

138 19.3 15.5 23.3

277 23.5 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 18.193 ng

RT: 15.098 min Scan# 2211

Delta R.T. -0.006 min

Lab File: BF140561.D

Acq: 22 Nov 2024 02:39

Instrument :

BNA_F

ClientSampleId :

PL-01-11202024

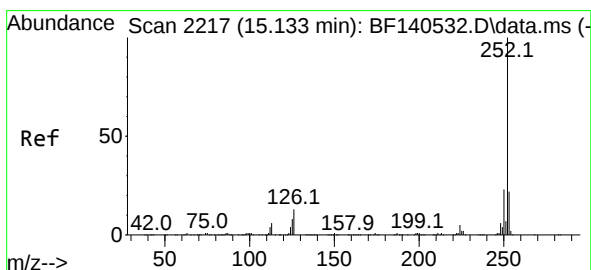
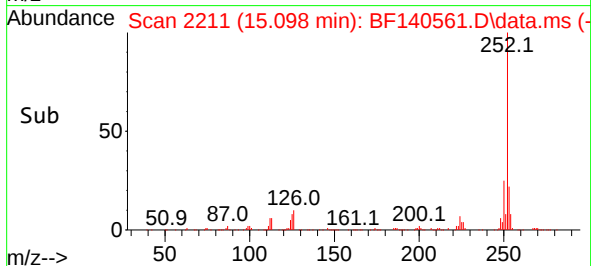
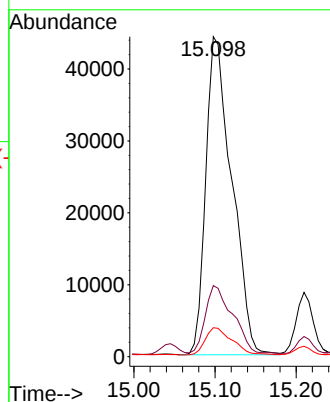
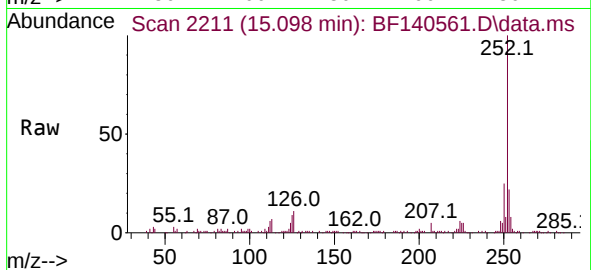
Tgt Ion:252 Resp: 98538

Ion Ratio Lower Upper

252 100

253 22.2 17.2 25.8

125 9.1 6.7 10.1



#89

Benzo(k)fluoranthene

Concen: 20.790 ng

RT: 15.098 min Scan# 2211

Delta R.T. -0.035 min

Lab File: BF140561.D

Acq: 22 Nov 2024 02:39

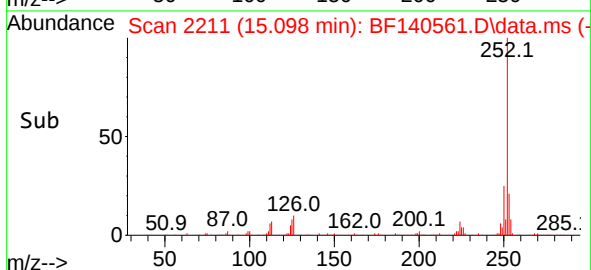
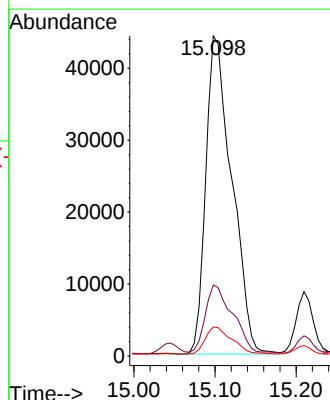
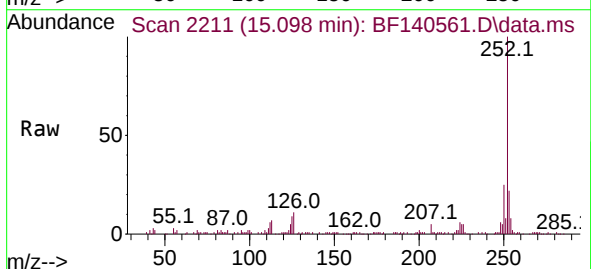
Tgt Ion:252 Resp: 98538

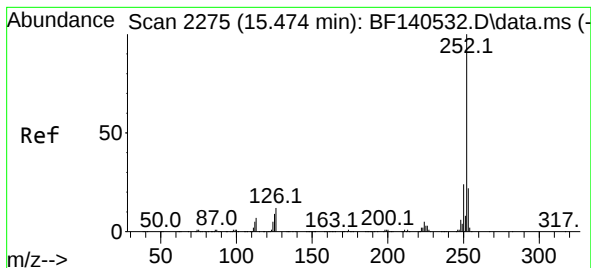
Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 9.1 6.5 9.7





#90

Benzo(a)pyrene

Concen: 11.645 ng

RT: 15.468 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140561.D

Acq: 22 Nov 2024 02:39

Instrument :

BNA_F

ClientSampleId :

PL-01-11202024

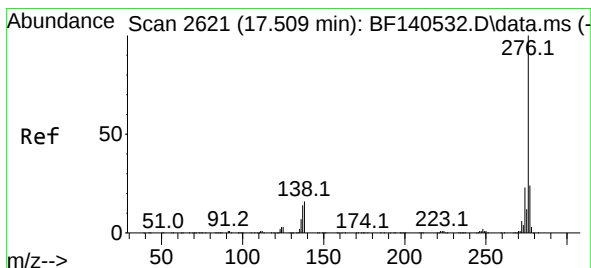
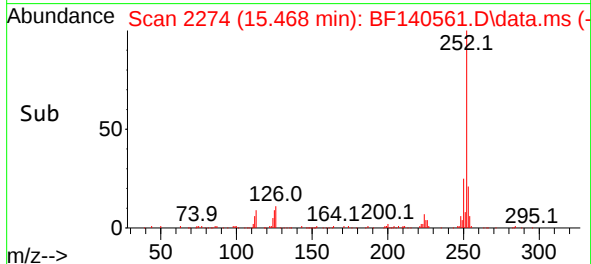
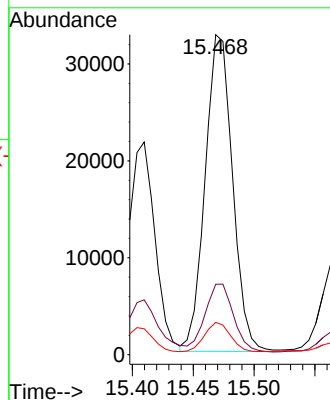
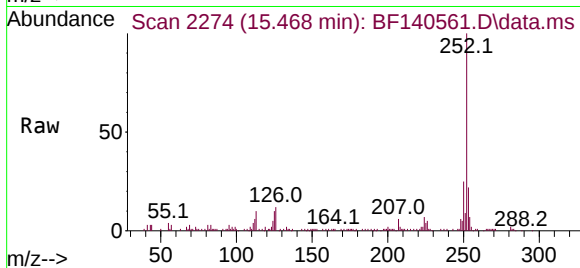
Tgt Ion:252 Resp: 51281

Ion Ratio Lower Upper

252 100

253 22.0 17.3 25.9

125 10.1 7.0 10.6



#92

Benzo(g,h,i)perylene

Concen: 6.962 ng

RT: 17.492 min Scan# 2618

Delta R.T. -0.018 min

Lab File: BF140561.D

Acq: 22 Nov 2024 02:39

Tgt Ion:276 Resp: 32697

Ion Ratio Lower Upper

276 100

277 26.0 18.9 28.3

138 17.2 13.2 19.8

