

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
 Data File : BF140513.D
 Acq On : 20 Nov 2024 21:21
 Operator : RC/JU
 Sample : P4889-05DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 #72-11930DL

Quant Time: Nov 20 21:59:34 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

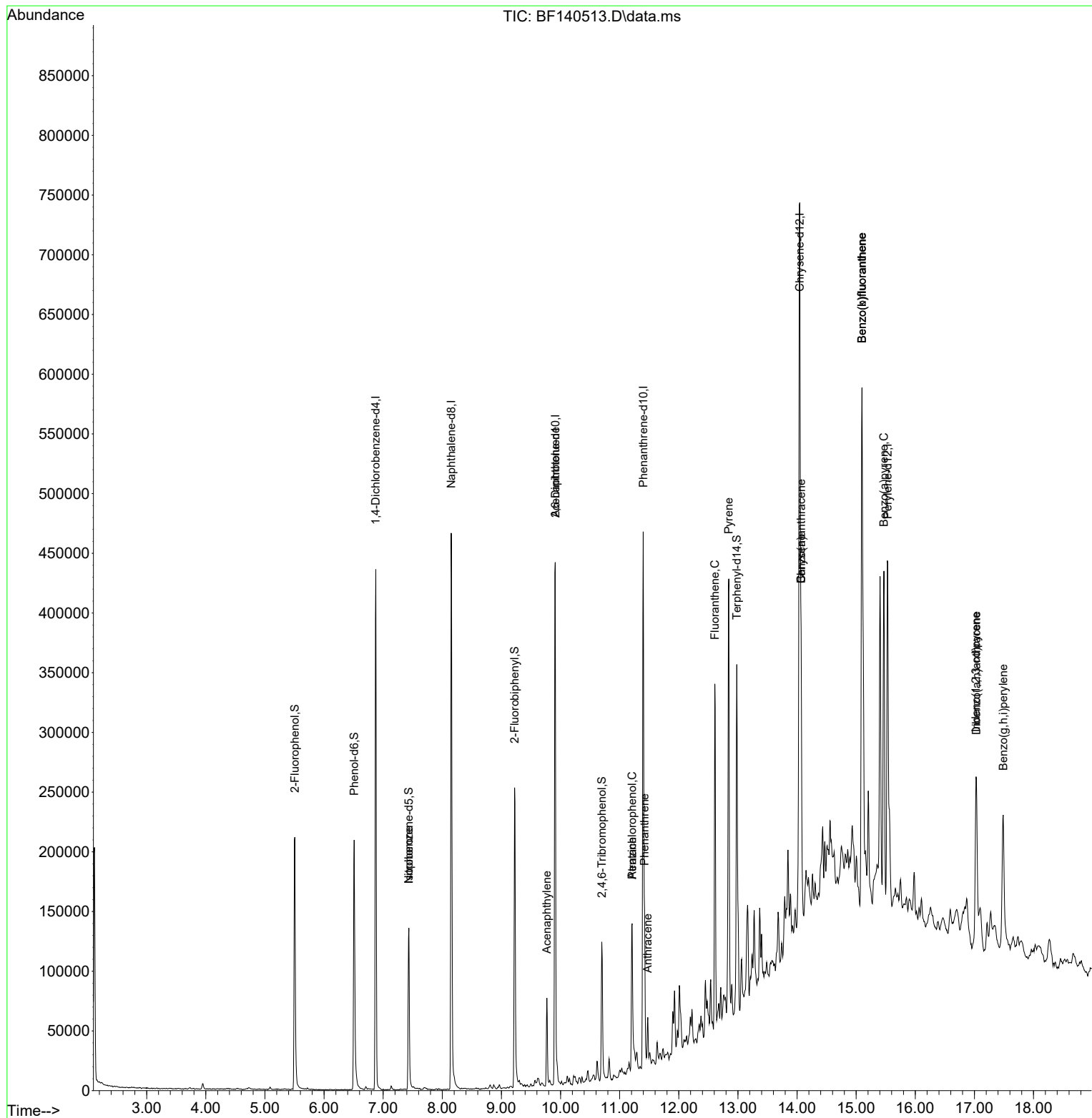
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	94716	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	318948	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	139993	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	239582	20.000	ng	0.00
76) Chrysene-d12	14.045	240	209277	20.000	ng	0.00
86) Perylene-d12	15.533	264	175813	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	93717	16.894	ng	0.01
7) Phenol-d6	6.510	99	117206	15.594	ng	0.00
23) Nitrobenzene-d5	7.434	82	70327	11.488	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	19998	14.365	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	134292	15.421	ng	-0.01
79) Terphenyl-d14	12.980	244	136050	11.284	ng	0.00
Target Compounds						
25) Isophorone	7.434	82	70327	6.482	ng	# 66
49) Acenaphthylene	9.769	152	45576	3.883	ng	99
51) 2,6-Dinitrotoluene	9.910	165	18194	8.746	ng	# 23
69) Atrazine	11.210	200	4871	2.326	ng	# 36
70) Pentachlorophenol	11.210	266	27178	18.724	ng	99
71) Phenanthrene	11.422	178	62350	5.540	ng	98
72) Anthracene	11.475	178	25153	2.280	ng	97
75) Fluoranthene	12.610	202	169762	13.445	ng	99
78) Pyrene	12.845	202	218159	12.187	ng	99
81) Benzo(a)anthracene	14.069	228	155928	11.337	ng	94
83) Chrysene	14.069	228	155928	12.425	ng	98
87) Indeno(1,2,3-cd)pyrene	17.027	276	104920	9.661	ng	95
88) Benzo(b)fluoranthene	15.098	252	363597	31.615	ng	98
89) Benzo(k)fluoranthene	15.098	252	363597	38.700	ng	97
90) Benzo(a)pyrene	15.468	252	159272	17.833	ng	99
91) Dibenzo(a,h)anthracene	17.033	278	23762	2.647	ng	# 83
92) Benzo(g,h,i)perylene	17.486	276	101583	11.069	ng	98

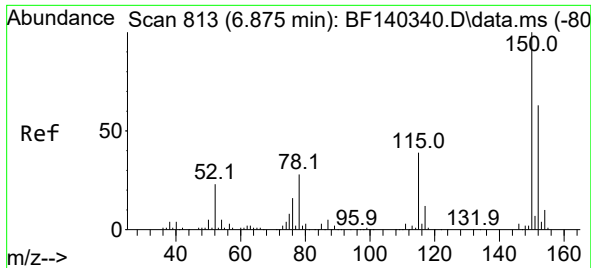
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
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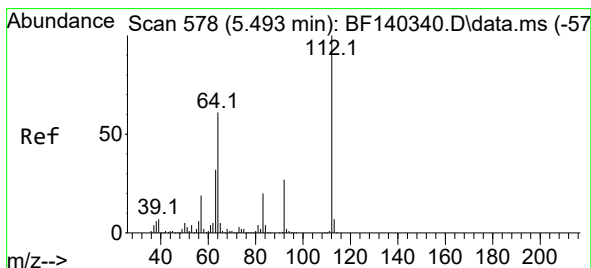
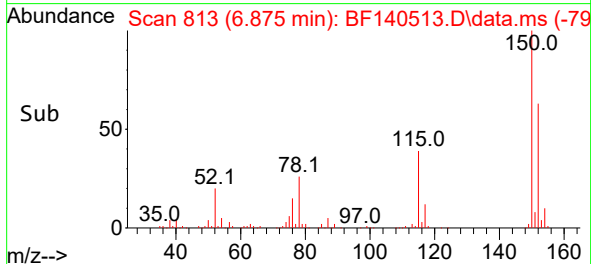
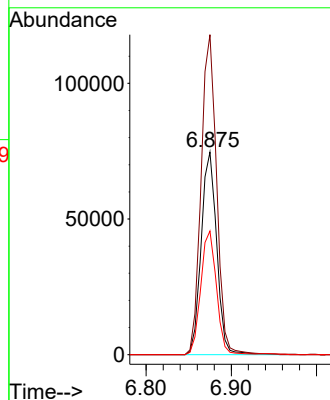
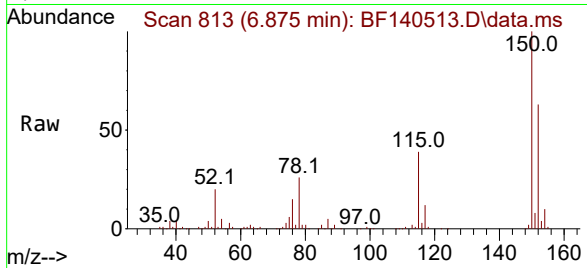




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140513.D
Acq: 20 Nov 2024 21:21

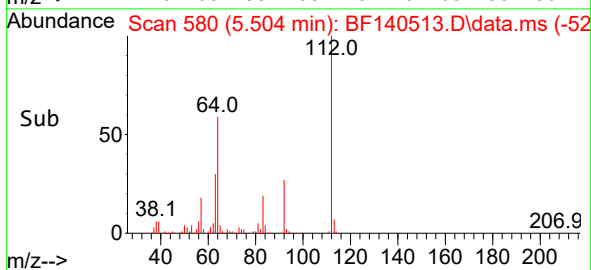
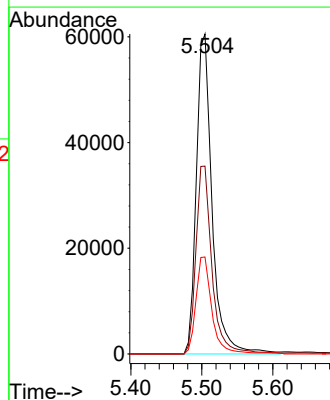
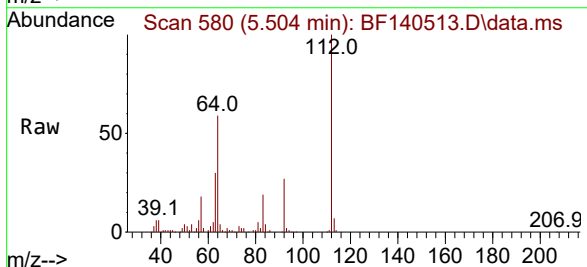
Instrument :
BNA_F
ClientSampleId :
#72-11930DL

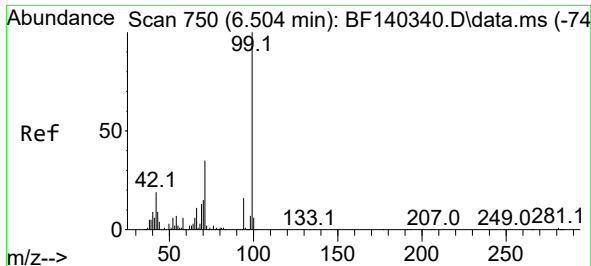
Tgt Ion:152 Resp: 94716
Ion Ratio Lower Upper
152 100
150 157.9 127.4 191.0
115 61.1 47.4 71.2



#5
2-Fluorophenol
Concen: 16.894 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140513.D
Acq: 20 Nov 2024 21:21

Tgt Ion:112 Resp: 93717
Ion Ratio Lower Upper
112 100
64 58.7 49.2 73.8
63 30.3 25.6 38.4

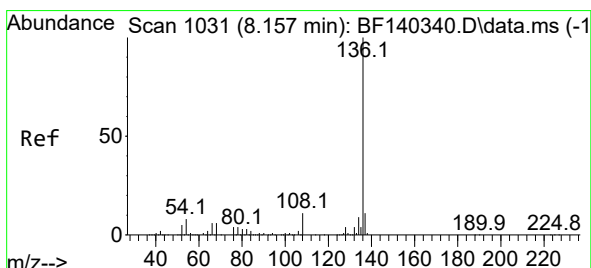
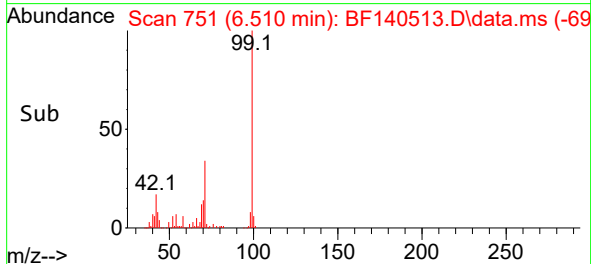
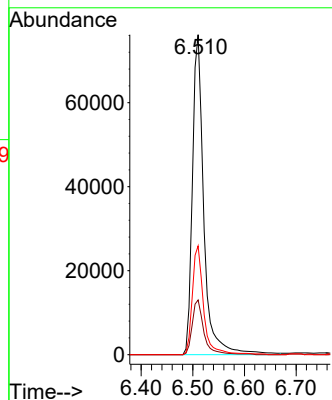
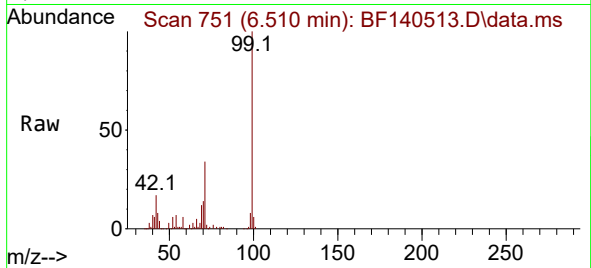




#7
Phenol-d6
Concen: 15.594 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140513.D
Acq: 20 Nov 2024 21:21

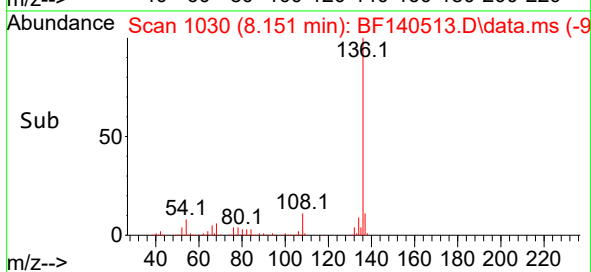
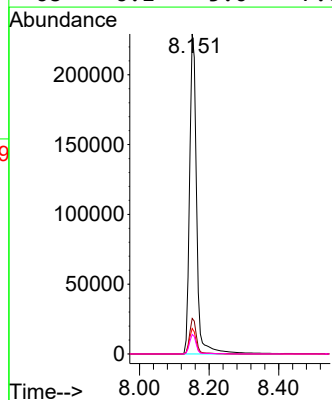
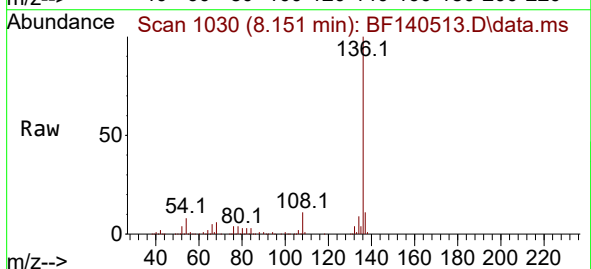
Instrument :
BNA_F
ClientSampleId :
#72-11930DL

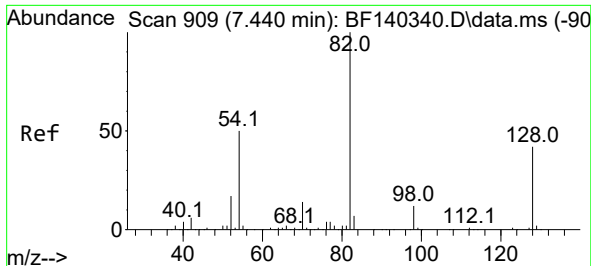
Tgt Ion: 99 Resp: 117206
Ion Ratio Lower Upper
99 100
42 17.1 15.1 22.7
71 34.0 27.9 41.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140513.D
Acq: 20 Nov 2024 21:21

Tgt Ion: 136 Resp: 318948
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 7.9 6.5 9.7
68 6.1 5.0 7.6





#23

Nitrobenzene-d5

Concen: 11.488 ng

RT: 7.434 min Scan# 908

Delta R.T. -0.006 min

Lab File: BF140513.D

Acq: 20 Nov 2024 21:21

Instrument :

BNA_F

ClientSampleId :

#72-11930DL

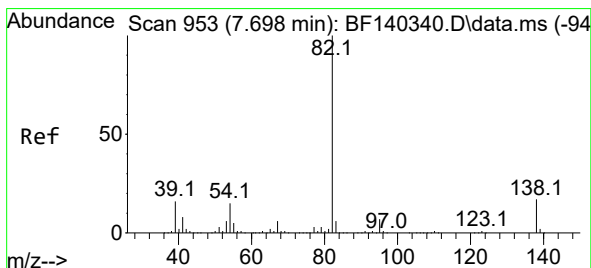
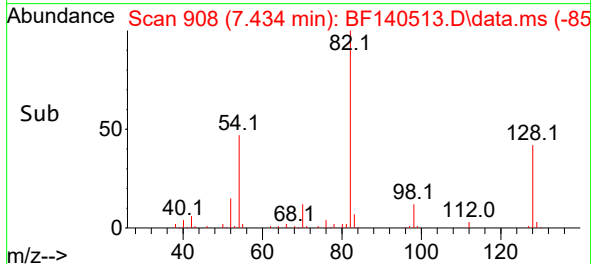
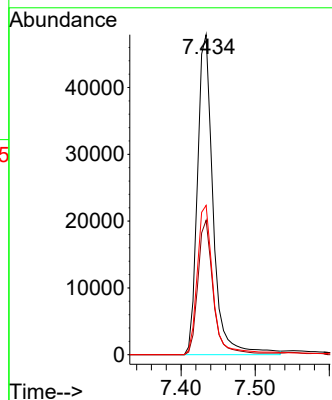
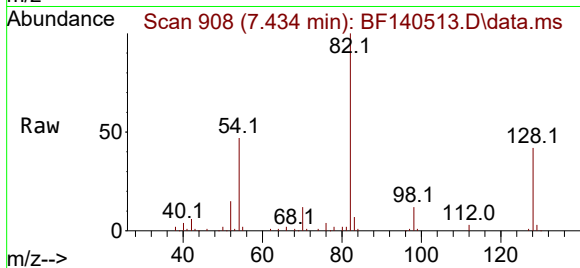
Tgt Ion: 82 Resp: 70327

Ion Ratio Lower Upper

82 100

128 42.0 33.3 49.9

54 46.6 39.8 59.8



#25

Isophorone

Concen: 6.482 ng

RT: 7.434 min Scan# 908

Delta R.T. -0.265 min

Lab File: BF140513.D

Acq: 20 Nov 2024 21:21

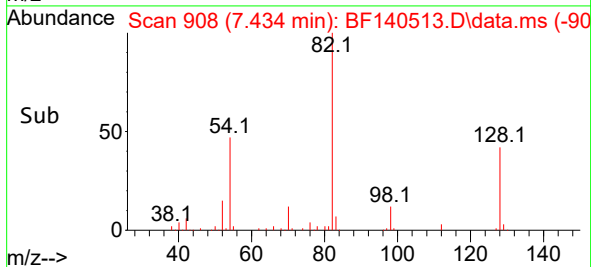
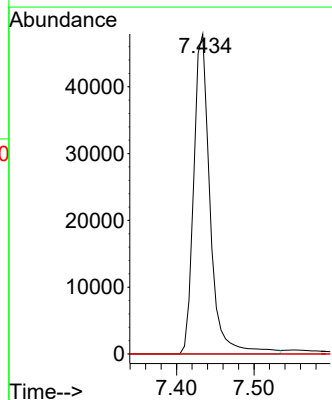
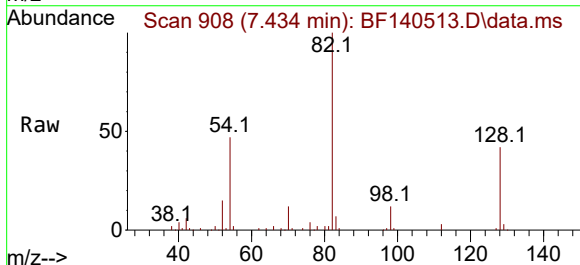
Tgt Ion: 82 Resp: 70327

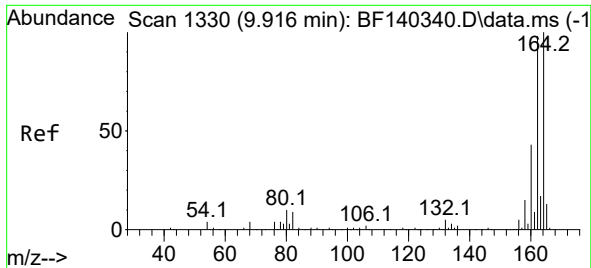
Ion Ratio Lower Upper

82 100

95 0.0 5.9 8.9#

138 0.0 13.4 20.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140513.D

Acq: 20 Nov 2024 21:21

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BNA_F

ClientSampleId :

#72-11930DL

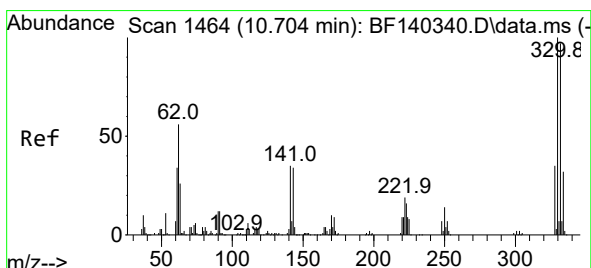
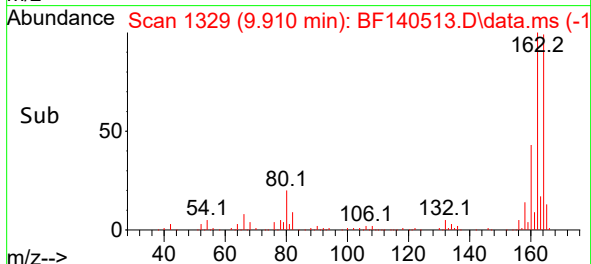
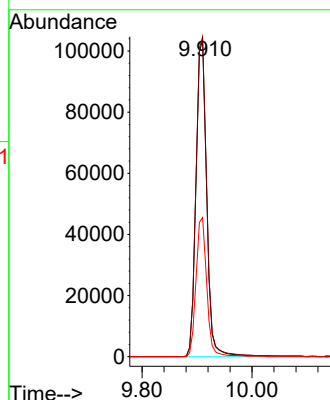
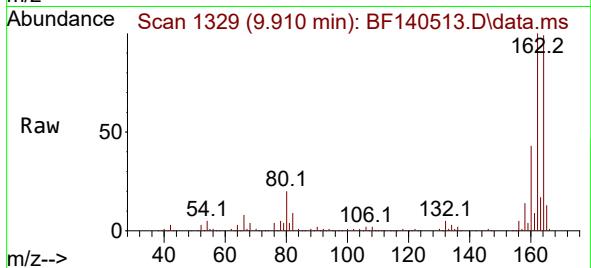
Tgt Ion:164 Resp: 139993

Ion Ratio Lower Upper

164 100

162 101.1 79.8 119.8

160 44.0 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 14.365 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF140513.D

Acq: 20 Nov 2024 21:21

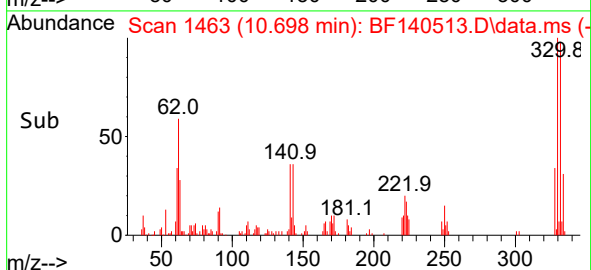
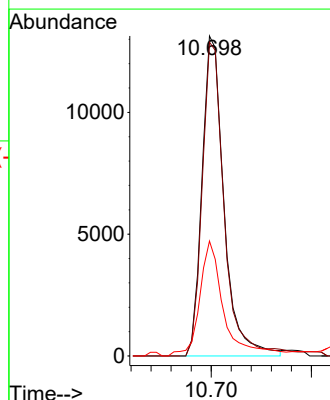
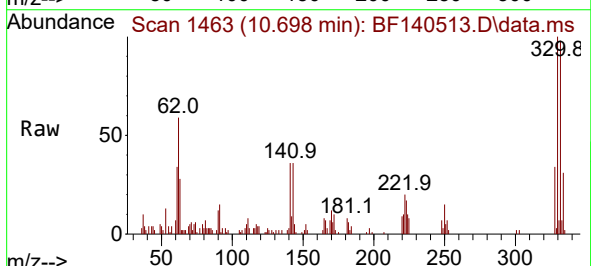
Tgt Ion:330 Resp: 19998

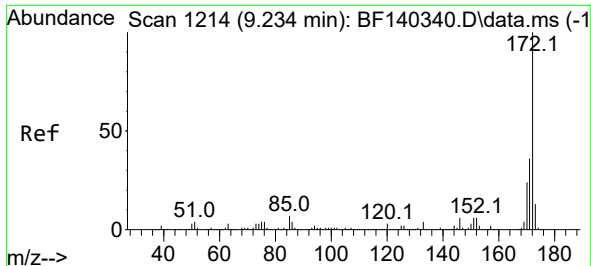
Ion Ratio Lower Upper

330 100

332 98.8 75.9 113.9

141 39.2 26.9 40.3

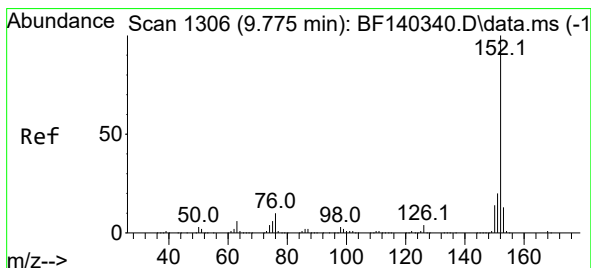
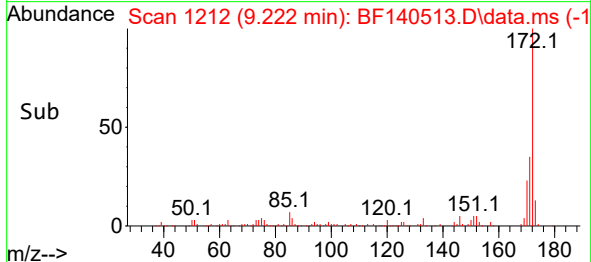
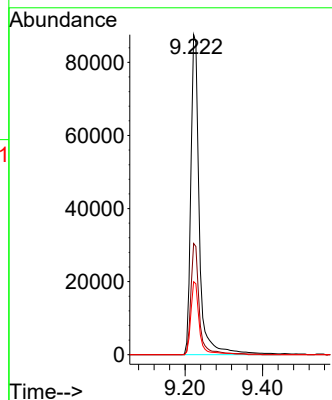
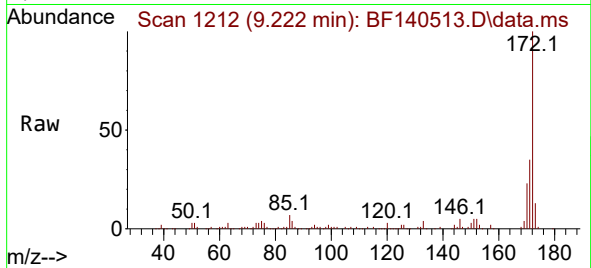




#45
2-Fluorobiphenyl
Concen: 15.421 ng
RT: 9.222 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF140513.D
Acq: 20 Nov 2024 21:21

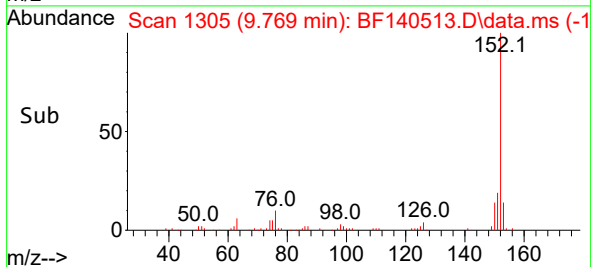
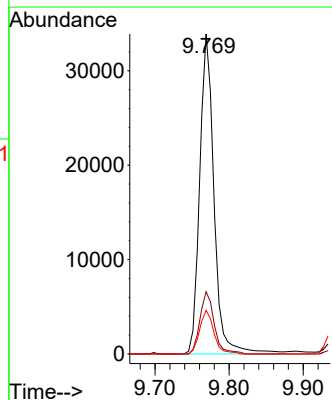
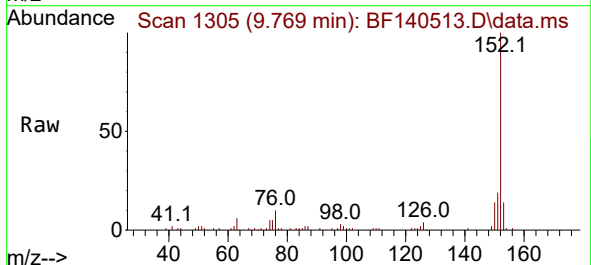
Instrument :
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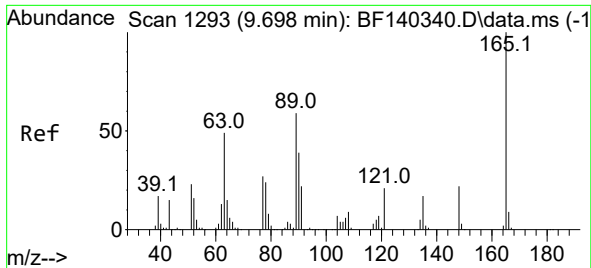
Tgt Ion:172 Resp: 134292
Ion Ratio Lower Upper
172 100
171 34.8 28.5 42.7
170 22.8 19.1 28.7



#49
Acenaphthylene
Concen: 3.883 ng
RT: 9.769 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BF140513.D
Acq: 20 Nov 2024 21:21

Tgt Ion:152 Resp: 45576
Ion Ratio Lower Upper
152 100
151 19.4 16.1 24.1
153 13.6 10.7 16.1

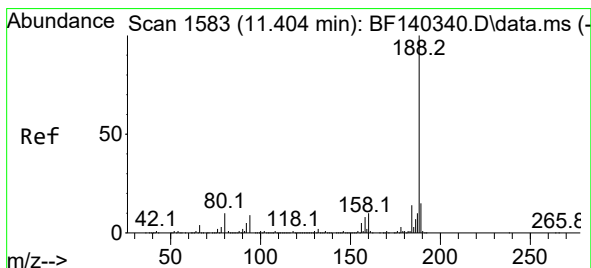
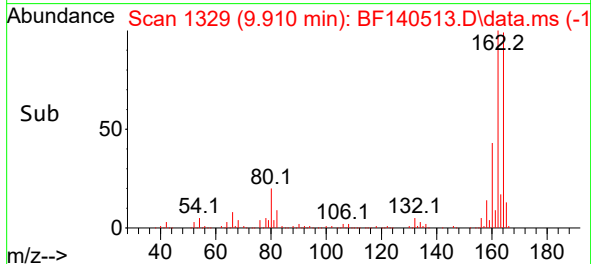
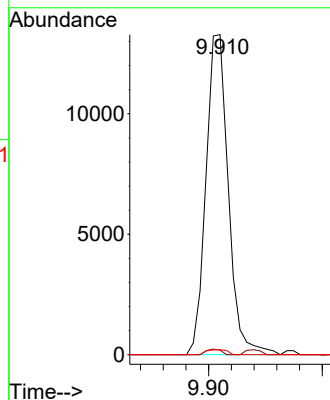
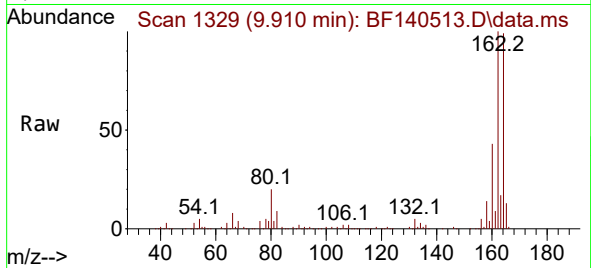




#51
2,6-Dinitrotoluene
Concen: 8.746 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF140513.D
Acq: 20 Nov 2024 21:21

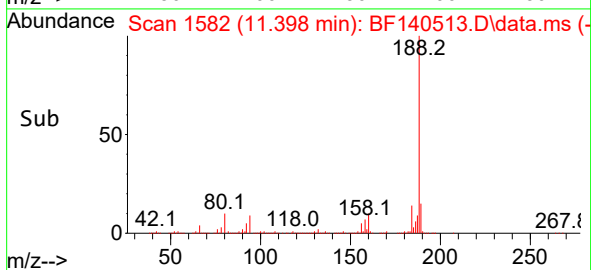
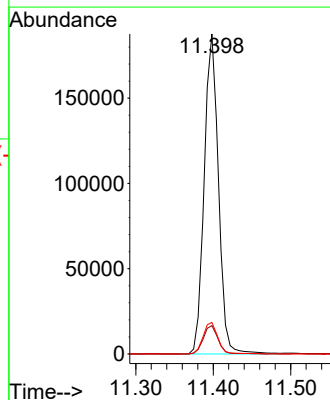
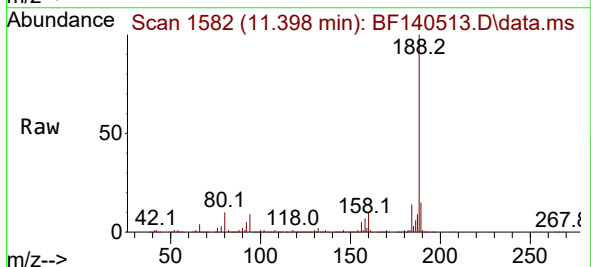
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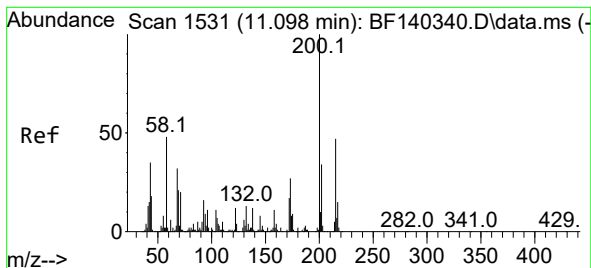
Tgt Ion:165 Resp: 18194
Ion Ratio Lower Upper
165 100
63 1.4 47.6 71.4#
89 1.6 48.1 72.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140513.D
Acq: 20 Nov 2024 21:21

Tgt Ion:188 Resp: 239582
Ion Ratio Lower Upper
188 100
94 8.9 7.6 11.4
80 9.8 8.0 12.0





#69

Atrazine

Concen: 2.326 ng

RT: 11.210 min Scan# 1550

Delta R.T. 0.112 min

Lab File: BF140513.D

Acq: 20 Nov 2024 21:21

Instrument :

BNA_F

ClientSampleId :

#72-11930DL

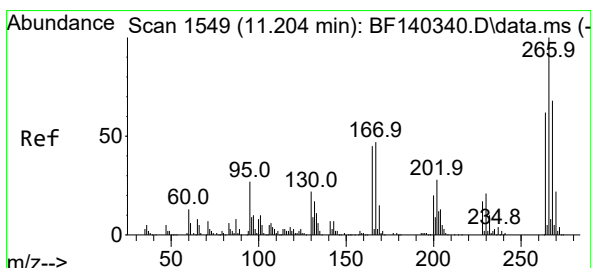
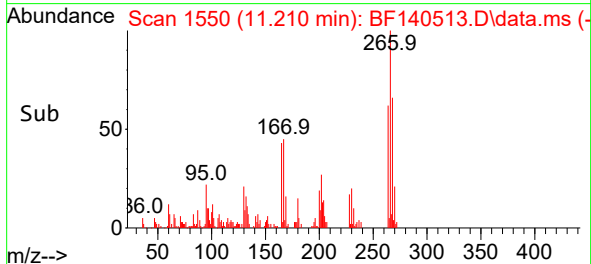
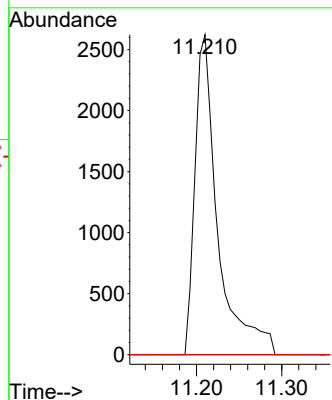
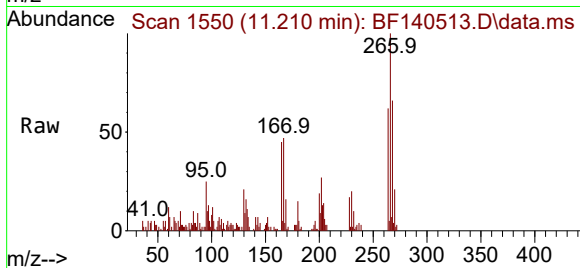
Tgt Ion:200 Resp: 4871

Ion Ratio Lower Upper

200 100

173 0.0 6.6 46.6#

215 0.0 27.2 67.2#



#70

Pentachlorophenol

Concen: 18.724 ng

RT: 11.210 min Scan# 1550

Delta R.T. 0.006 min

Lab File: BF140513.D

Acq: 20 Nov 2024 21:21

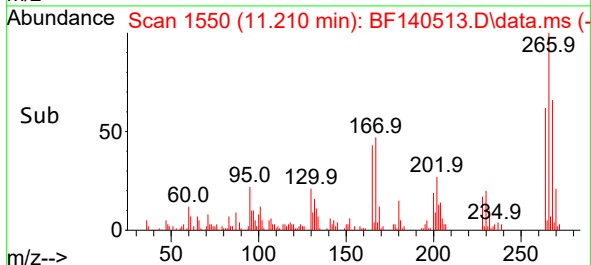
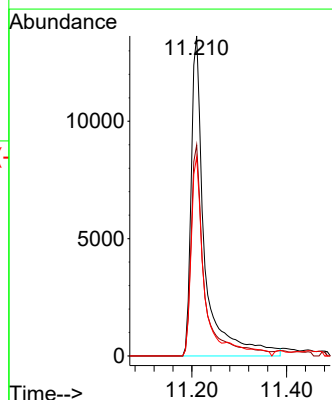
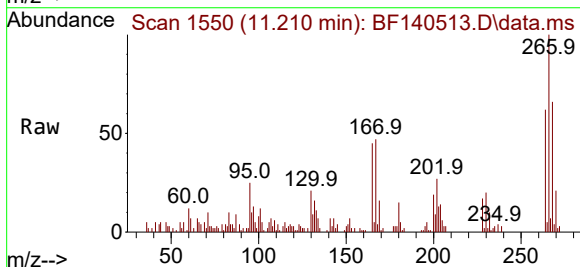
Tgt Ion:266 Resp: 27178

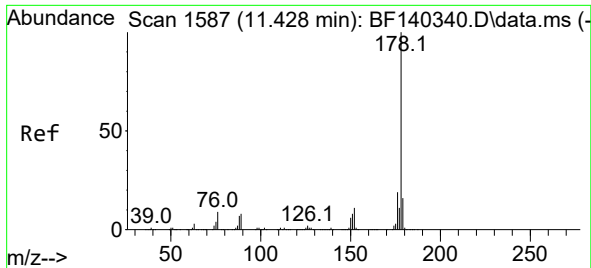
Ion Ratio Lower Upper

266 100

268 65.9 52.9 79.3

264 62.2 50.3 75.5

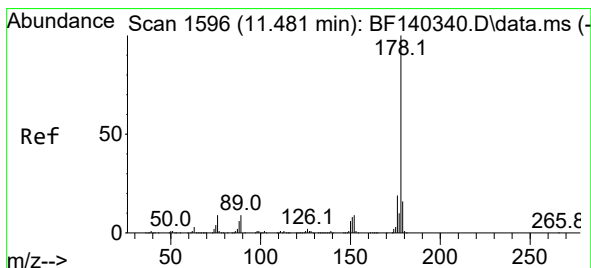
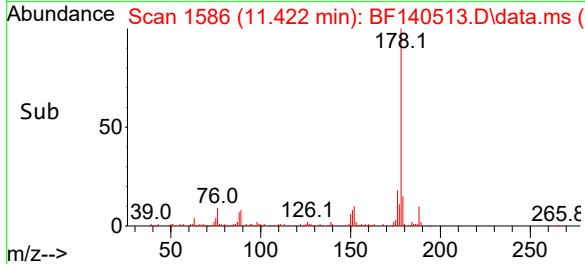
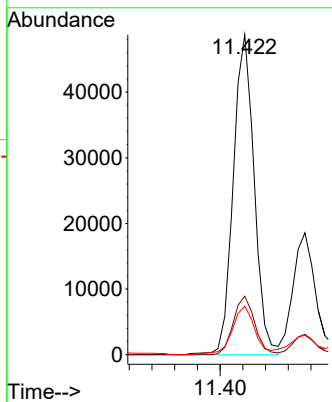
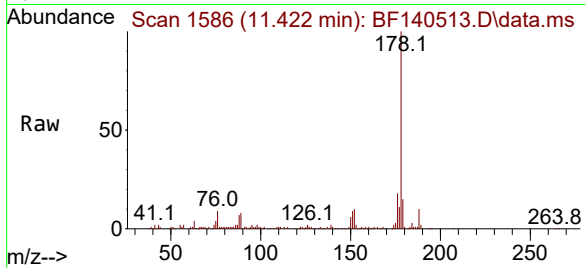




#71
Phenanthrene
Concen: 5.540 ng
RT: 11.422 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140513.D
Acq: 20 Nov 2024 21:21

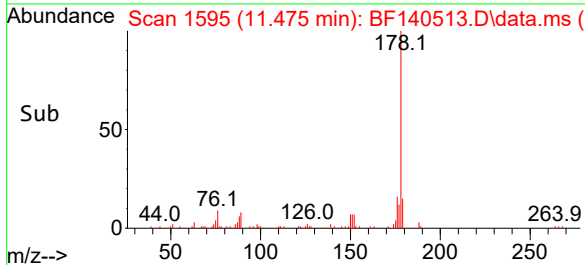
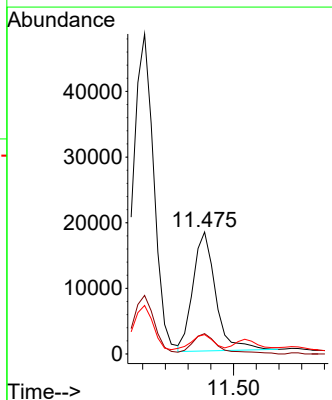
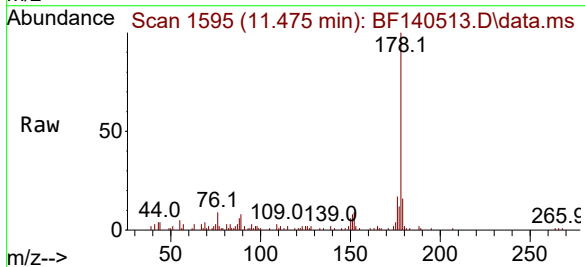
Instrument :
BNA_F
ClientSampleId :
#72-11930DL

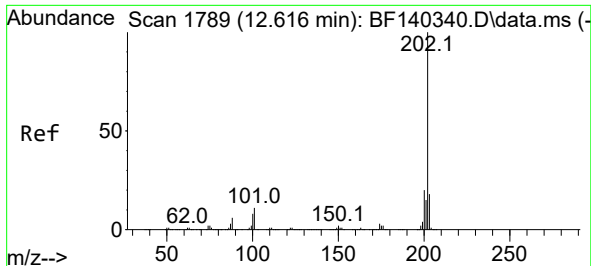
Tgt Ion:178 Resp: 62350
Ion Ratio Lower Upper
178 100
176 18.3 15.5 23.3
179 15.2 12.4 18.6



#72
Anthracene
Concen: 2.280 ng
RT: 11.475 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF140513.D
Acq: 20 Nov 2024 21:21

Tgt Ion:178 Resp: 25153
Ion Ratio Lower Upper
178 100
176 16.7 15.4 23.0
179 15.9 12.6 18.8

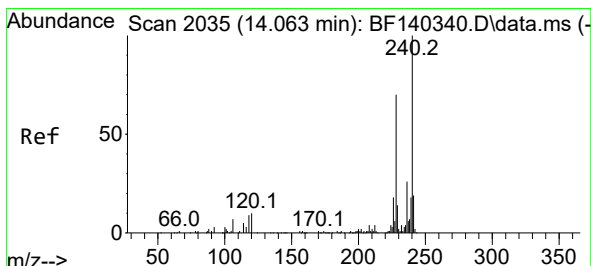
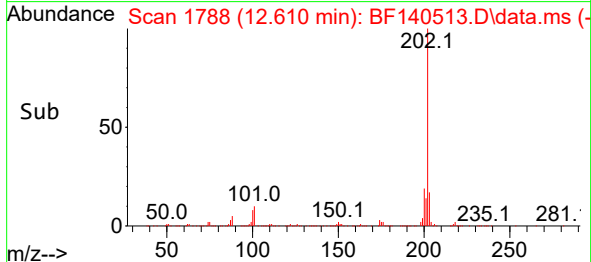
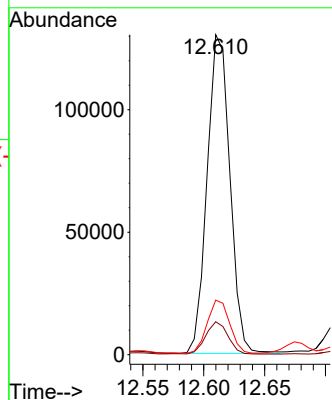
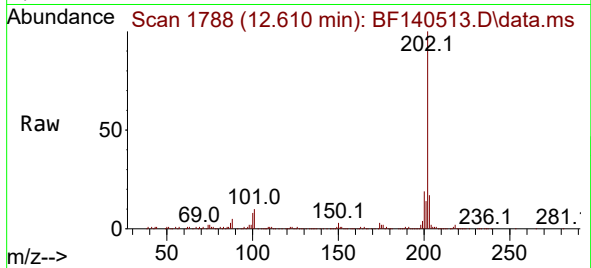




#75
Fluoranthene
Concen: 13.445 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140513.D
Acq: 20 Nov 2024 21:21

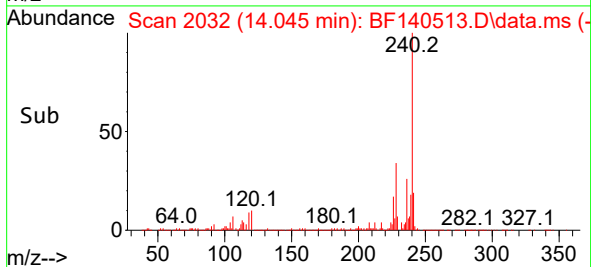
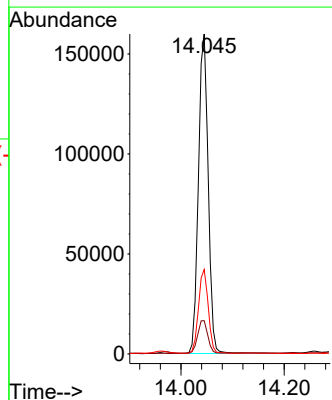
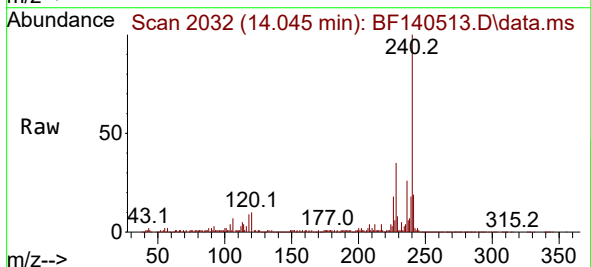
Instrument :
BNA_F
ClientSampleId :
#72-11930DL

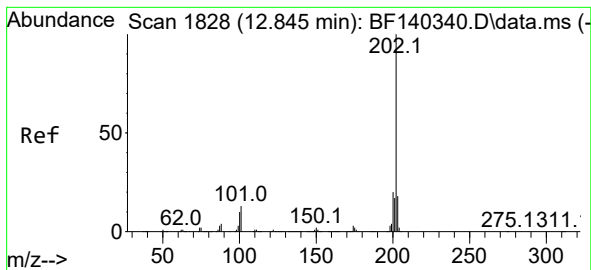
Tgt Ion:202 Resp: 169762
Ion Ratio Lower Upper
202 100
101 10.3 0.0 30.7
203 17.1 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140513.D
Acq: 20 Nov 2024 21:21

Tgt Ion:240 Resp: 209277
Ion Ratio Lower Upper
240 100
120 10.4 8.8 13.2
236 26.4 20.9 31.3





#78

Pyrene

Concen: 12.187 ng

RT: 12.845 min Scan# 1828

Delta R.T. 0.000 min

Lab File: BF140513.D

Acq: 20 Nov 2024 21:21

Instrument :

BNA_F

ClientSampleId :

#72-11930DL

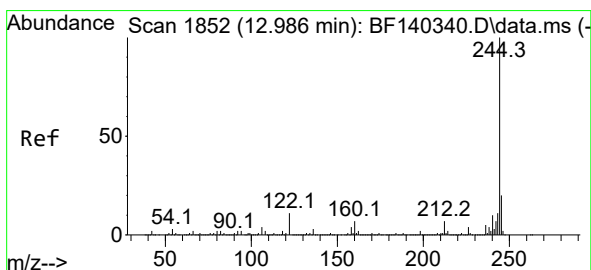
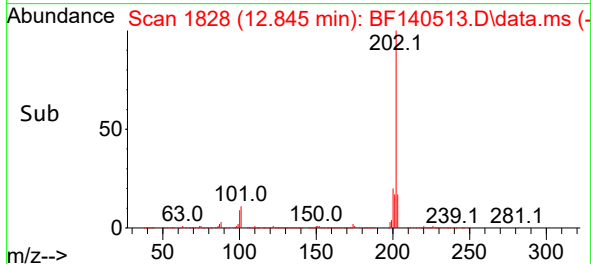
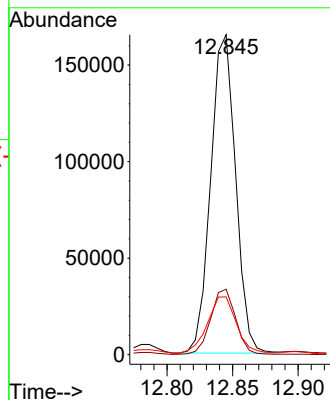
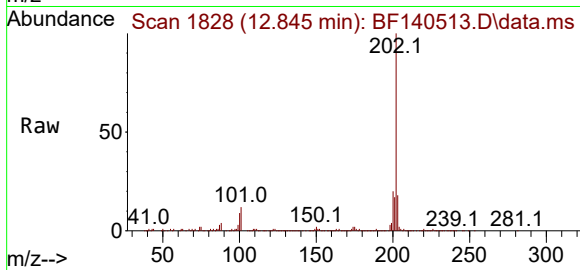
Tgt Ion:202 Resp: 218159

Ion Ratio Lower Upper

202 100

200 20.5 16.2 24.2

203 18.1 14.2 21.4



#79

Terphenyl-d14

Concen: 11.284 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF140513.D

Acq: 20 Nov 2024 21:21

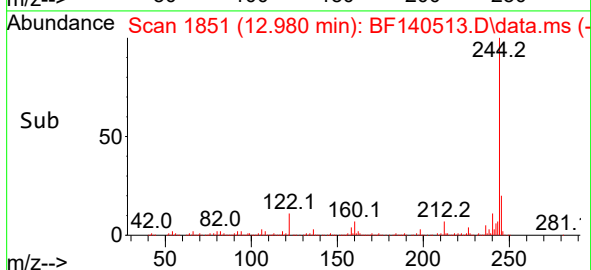
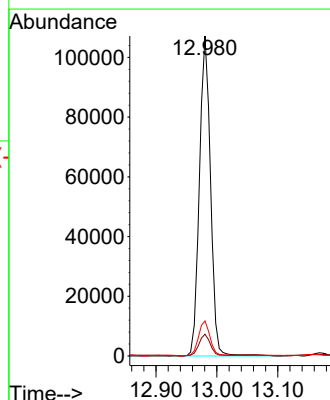
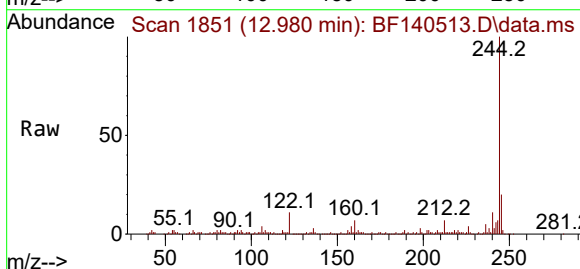
Tgt Ion:244 Resp: 136050

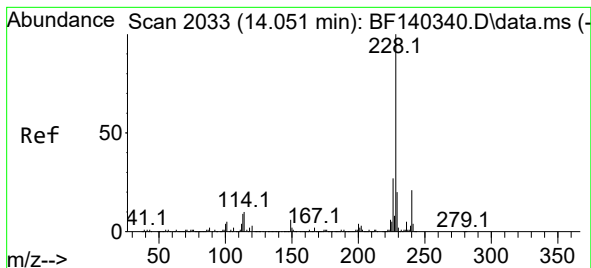
Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

122 10.9 8.8 13.2





#81

Benzo(a)anthracene

Concen: 11.337 ng

RT: 14.069 min Scan# 2036

Delta R.T. 0.029 min

Lab File: BF140513.D

Acq: 20 Nov 2024 21:21

Instrument :

BNA_F

ClientSampleId :

#72-11930DL

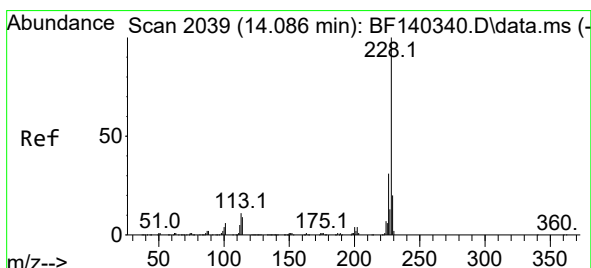
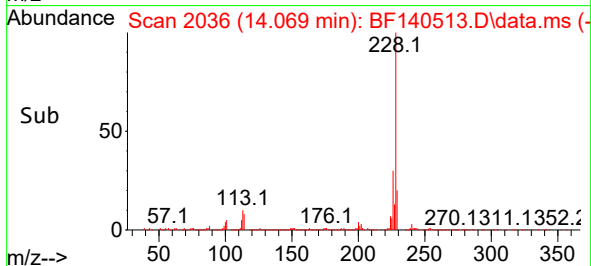
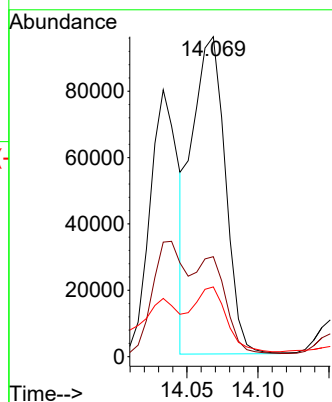
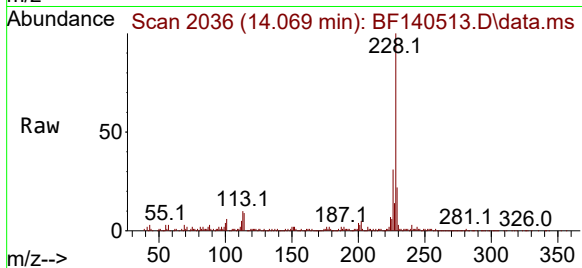
Tgt Ion:228 Resp: 155928

Ion Ratio Lower Upper

228 100

226 31.3 22.2 33.4

229 21.8 15.8 23.6



#83

Chrysene

Concen: 12.425 ng

RT: 14.069 min Scan# 2036

Delta R.T. -0.012 min

Lab File: BF140513.D

Acq: 20 Nov 2024 21:21

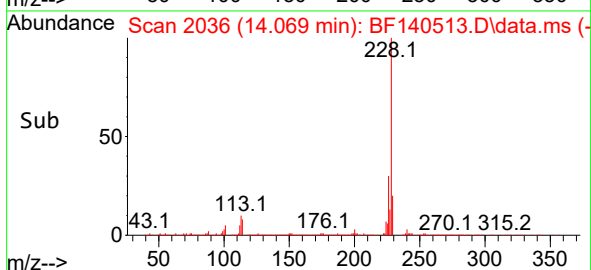
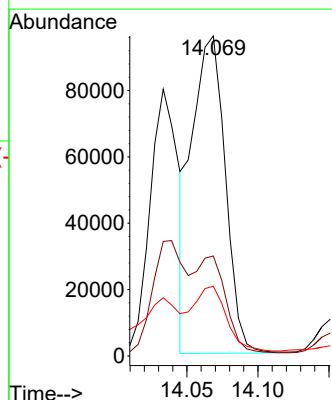
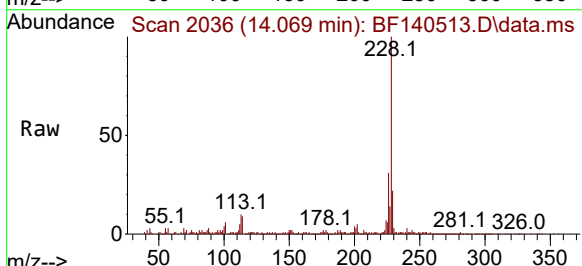
Tgt Ion:228 Resp: 155928

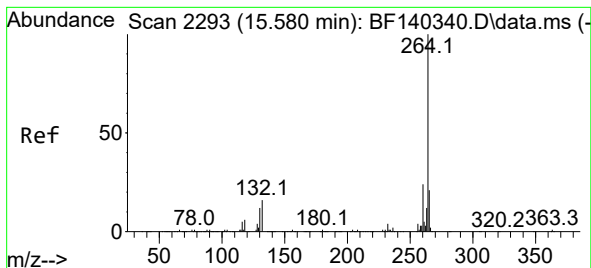
Ion Ratio Lower Upper

228 100

226 31.3 24.5 36.7

229 21.8 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF140513.D

Acq: 20 Nov 2024 21:21

Instrument :

BNA_F

ClientSampleId :

#72-11930DL

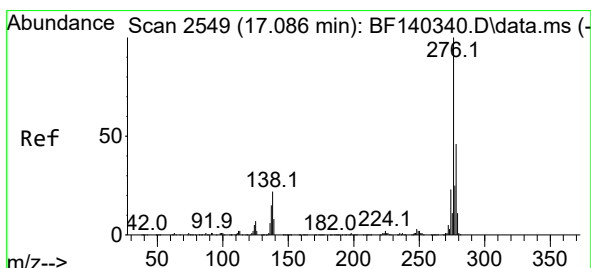
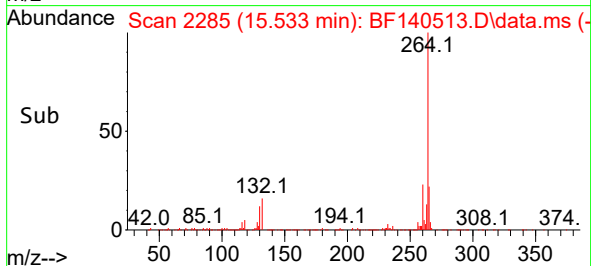
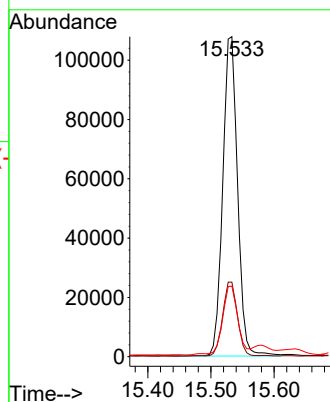
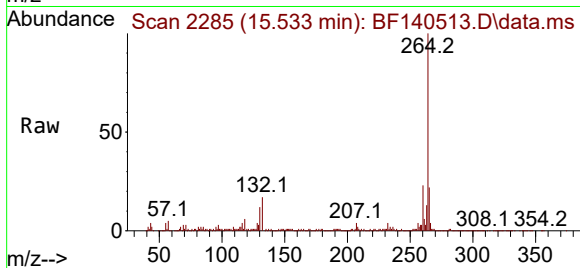
Tgt Ion:264 Resp: 175813

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 22.1 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.661 ng

RT: 17.027 min Scan# 2539

Delta R.T. -0.029 min

Lab File: BF140513.D

Acq: 20 Nov 2024 21:21

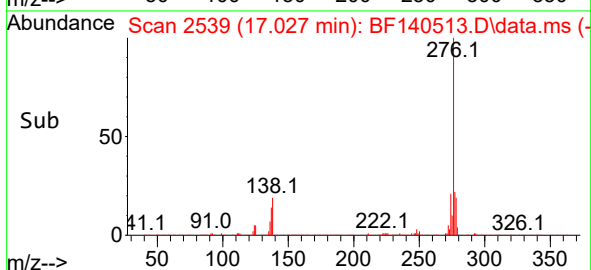
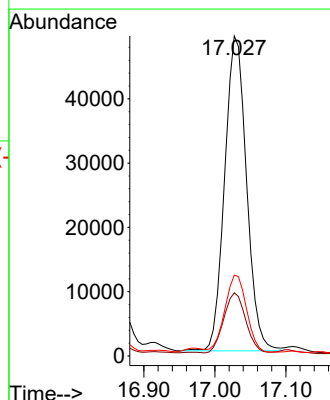
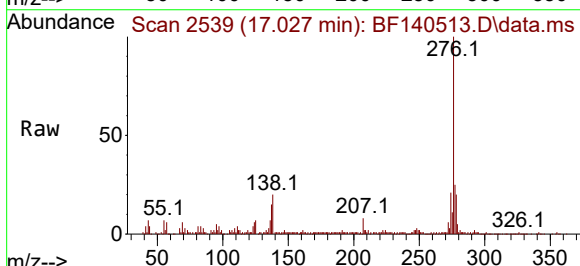
Tgt Ion:276 Resp: 104920

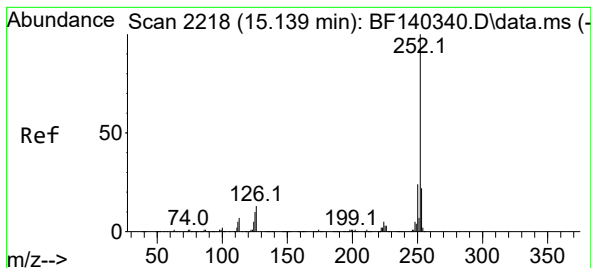
Ion Ratio Lower Upper

276 100

138 19.0 18.8 28.2

277 24.3 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 31.615 ng

RT: 15.098 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF140513.D

Acq: 20 Nov 2024 21:21

Instrument :

BNA_F

ClientSampleId :

#72-11930DL

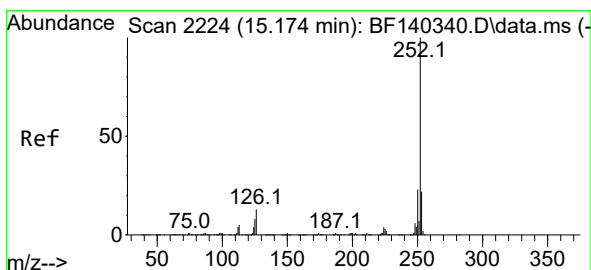
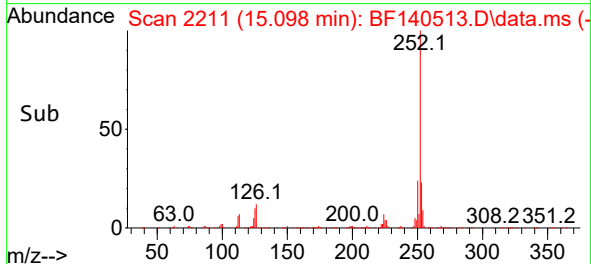
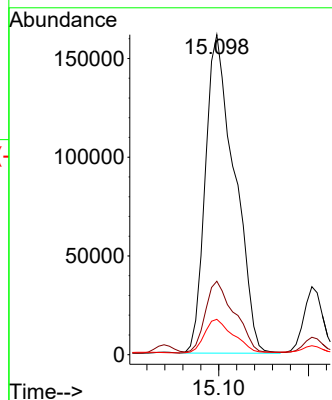
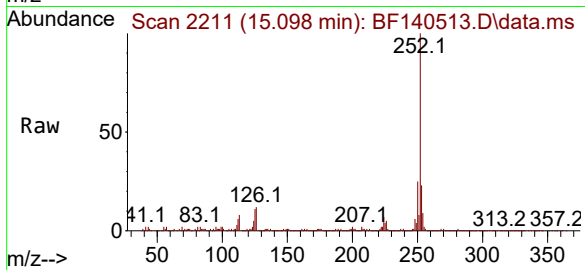
Tgt Ion:252 Resp: 363597

Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

125 11.1 8.0 12.0



#89

Benzo(k)fluoranthene

Concen: 38.700 ng

RT: 15.098 min Scan# 2211

Delta R.T. -0.053 min

Lab File: BF140513.D

Acq: 20 Nov 2024 21:21

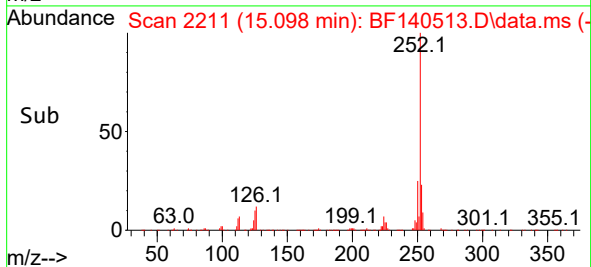
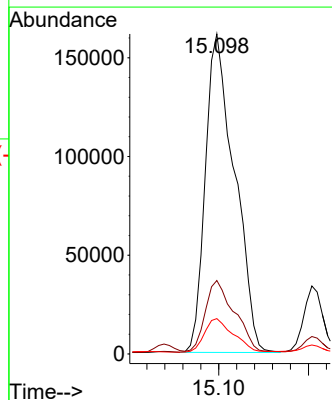
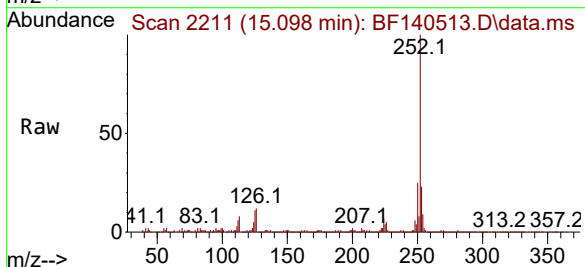
Tgt Ion:252 Resp: 363597

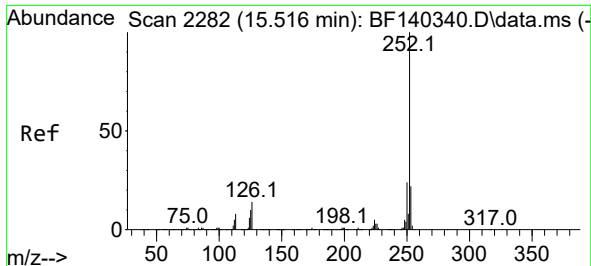
Ion Ratio Lower Upper

252 100

253 22.9 17.3 25.9

125 11.1 7.4 11.2

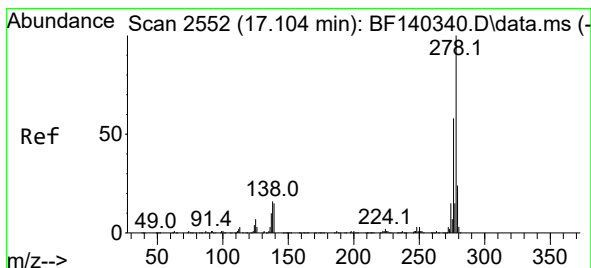
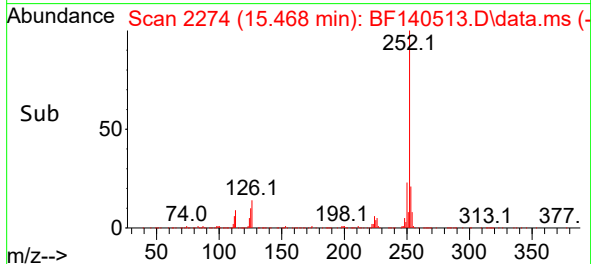
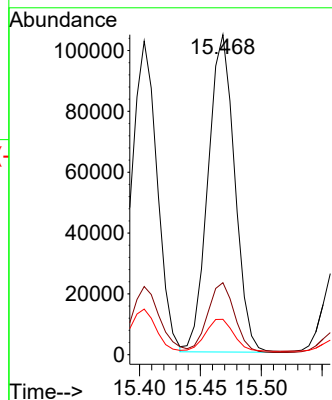
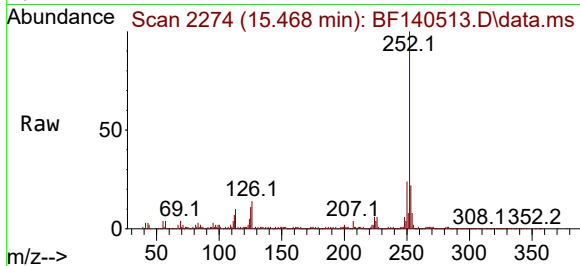




#90
Benzo(a)pyrene
Concen: 17.833 ng
RT: 15.468 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF140513.D
Acq: 20 Nov 2024 21:21

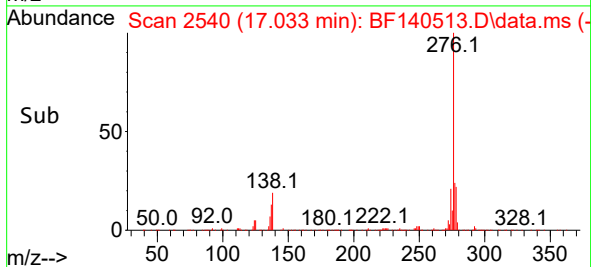
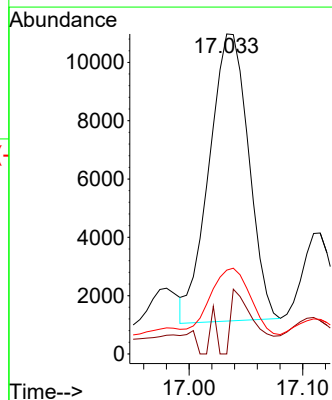
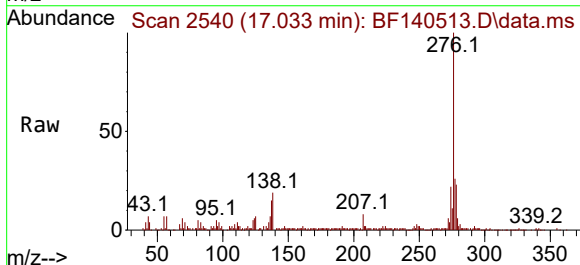
Instrument :
BNA_F
ClientSampleId :
#72-11930DL

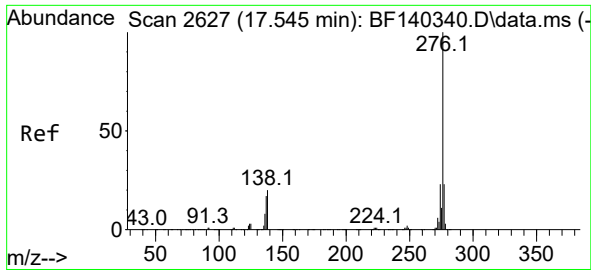
Tgt Ion:252 Resp: 159272
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.6
125 11.1 8.4 12.6



#91
Dibenzo(a,h)anthracene
Concen: 2.647 ng
RT: 17.033 min Scan# 2540
Delta R.T. -0.041 min
Lab File: BF140513.D
Acq: 20 Nov 2024 21:21

Tgt Ion:278 Resp: 23762
Ion Ratio Lower Upper
278 100
139 0.0 11.8 17.8#
279 26.2 18.9 28.3





#92

Benzo(g,h,i)perylene

Concen: 11.069 ng

RT: 17.486 min Scan# 20

Delta R.T. -0.029 min

Lab File: BF140513.D

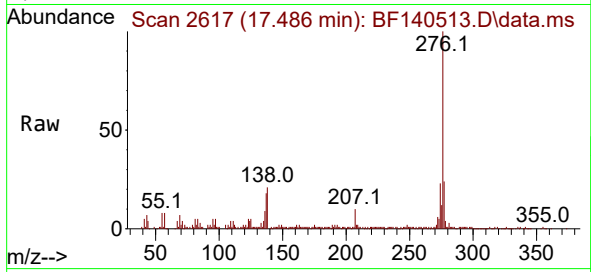
Acq: 20 Nov 2024 21:21

Instrument :

BNA_F

ClientSampleId :

#72-11930DL



Tgt Ion:276 Resp: 101583

Ion Ratio Lower Upper

276 100

277 24.2 18.6 28.0

138 20.7 16.0 24.0

