

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
 Data File : BF140479.D
 Acq On : 19 Nov 2024 17:43
 Operator : RC/JU
 Sample : P4889-05
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 #72-11930

Quant Time: Nov 20 00:10:10 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

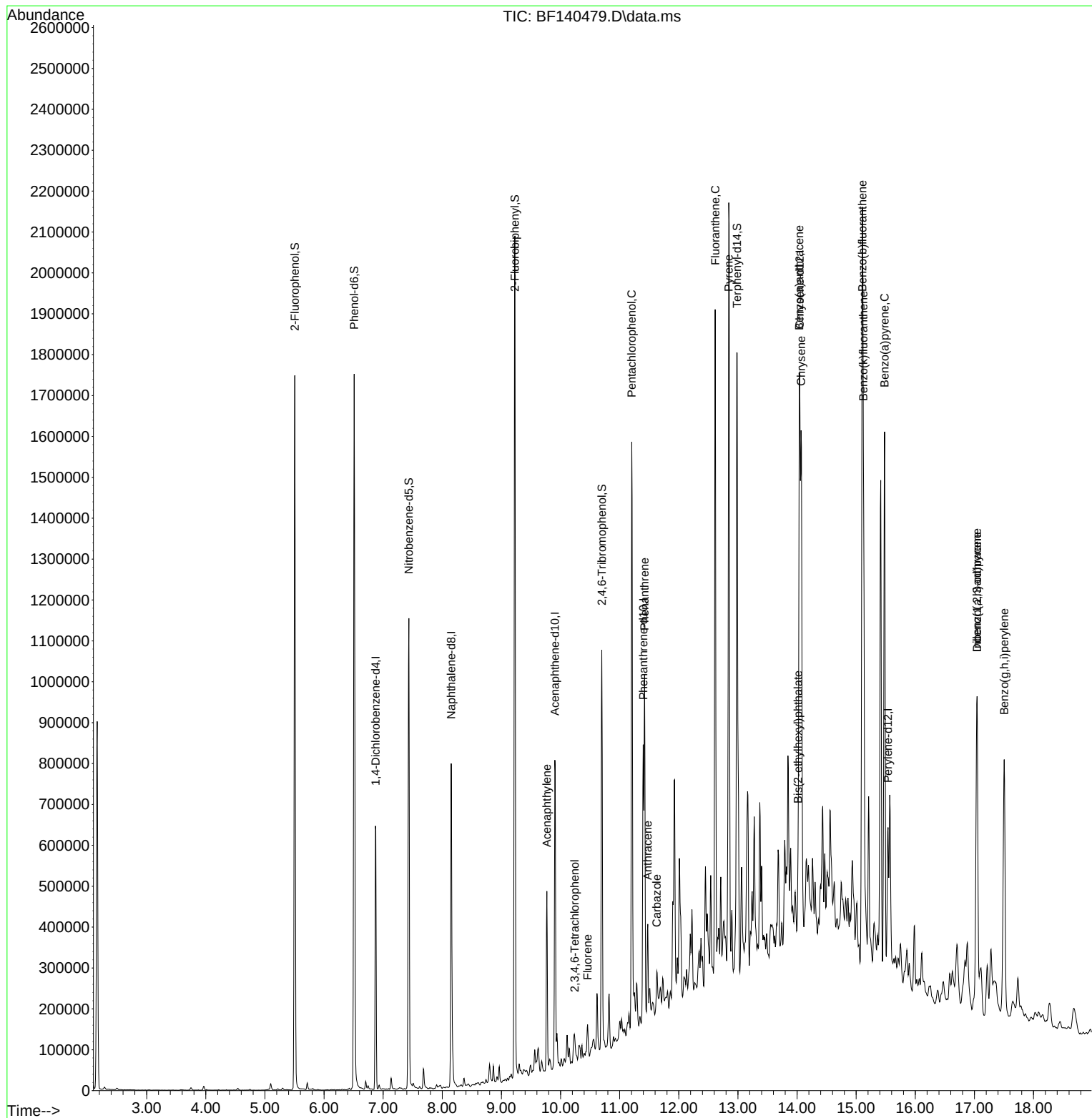
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	140940	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	501439	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	235765	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	354475	20.000	ng	0.00
76) Chrysene-d12	14.045	240	219625	20.000	ng	0.00
86) Perylene-d12	15.539	264	188677	20.000	ng	#-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	656755	79.561	ng	0.01
7) Phenol-d6	6.510	99	842993	75.376	ng	0.00
23) Nitrobenzene-d5	7.434	82	532690	55.350	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	165862	70.745	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	960483	65.490	ng	0.00
79) Terphenyl-d14	12.986	244	740419	58.519	ng	0.00
Target Compounds						
49) Acenaphthylene	9.769	152	258734	13.088	ng	Qvalue 100
58) Fluorene	10.457	166	41874	2.804	ng	# 93
59) 2,3,4,6-Tetrachlorophenol	10.239	232	9462	2.562	ng	# 78
70) Pentachlorophenol	11.204	266	252556	117.601	ng	100
71) Phenanthrene	11.422	178	430989	25.883	ng	99
72) Anthracene	11.475	178	144411	8.849	ng	99
73) Carbazole	11.628	167	37561	2.331	ng	# 92
75) Fluoranthene	12.616	202	914119	48.931	ng	100
78) Pyrene	12.845	202	1145125	60.956	ng	99
81) Benzo(a)anthracene	14.039	228	598885m	41.490	ng	
83) Chrysene	14.069	228	757646	57.528	ng	98
84) Bis(2-ethylhexyl)phtha...	14.016	149	21435	2.225	ng	# 91
87) Indeno(1,2,3-cd)pyrene	17.045	276	602580	51.701	ng	96
88) Benzo(b)fluoranthene	15.104	252	1295048m	104.927	ng	
89) Benzo(k)fluoranthene	15.121	252	428394m	42.488	ng	
90) Benzo(a)pyrene	15.480	252	772420	80.589	ng	99
91) Dibenzo(a,h)anthracene	17.045	278	153777m	15.962	ng	
92) Benzo(g,h,i)perylene	17.504	276	583543	59.248	ng	99

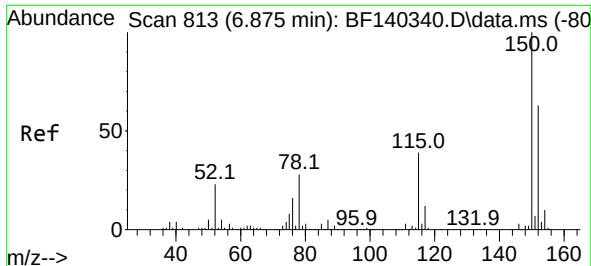
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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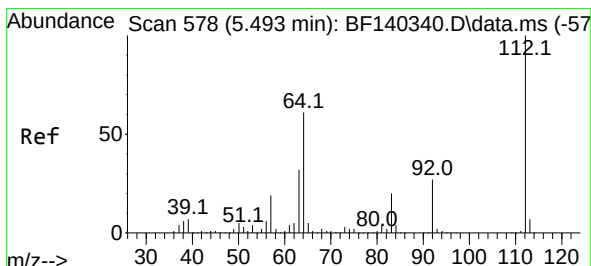
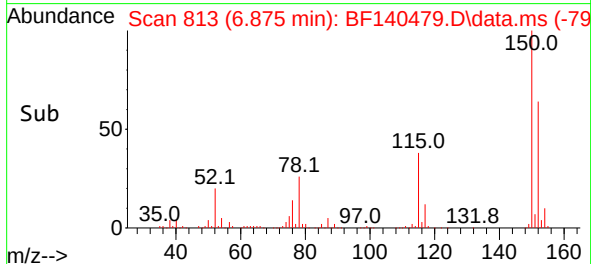
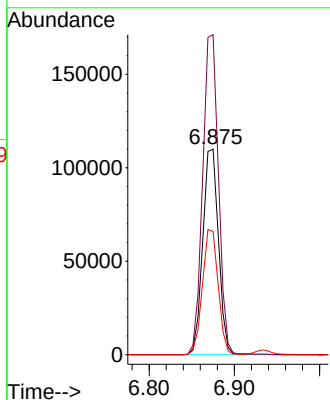
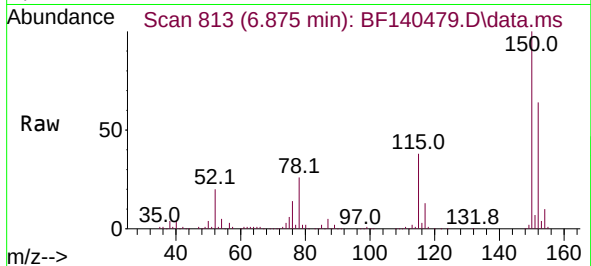




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140479.D
Acq: 19 Nov 2024 17:43

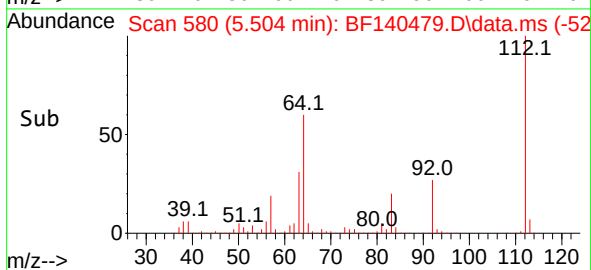
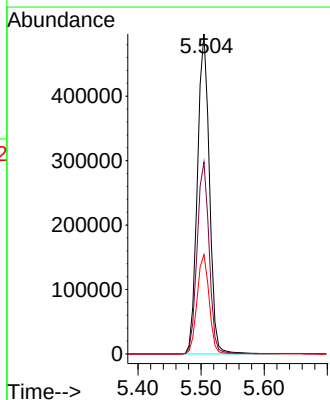
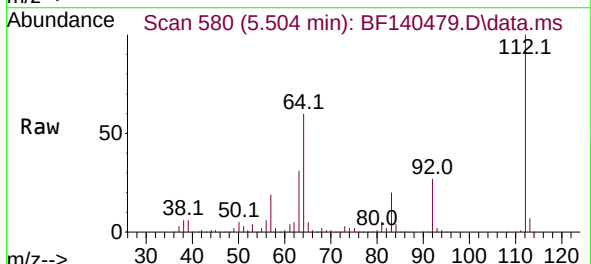
Instrument :
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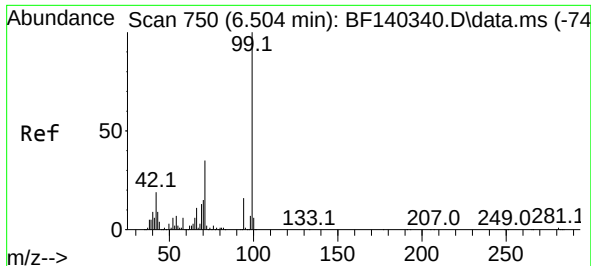
Tgt Ion:152 Resp: 140940
Ion Ratio Lower Upper
152 100
150 155.6 127.4 191.0
115 59.9 47.4 71.2



#5
2-Fluorophenol
Concen: 79.561 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140479.D
Acq: 19 Nov 2024 17:43

Tgt Ion:112 Resp: 656755
Ion Ratio Lower Upper
112 100
64 59.9 49.2 73.8
63 31.0 25.6 38.4

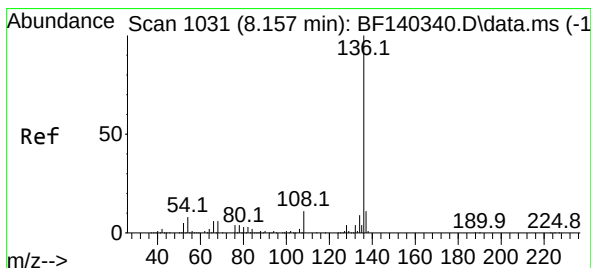
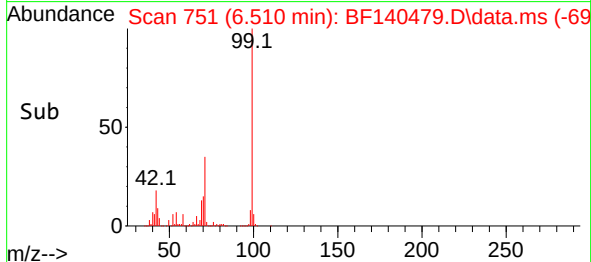
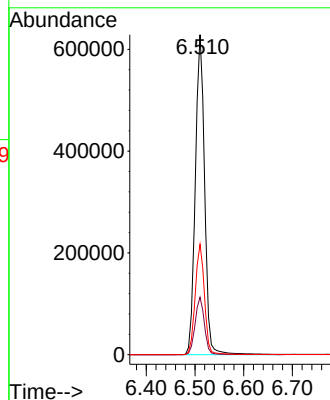
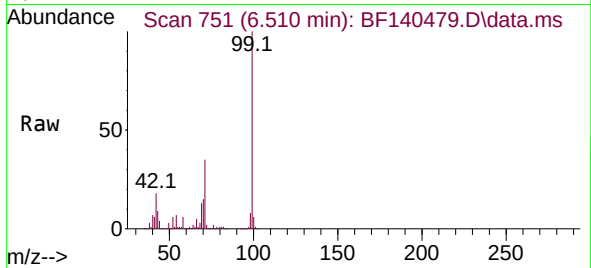




#7
Phenol-d6
Concen: 75.376 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140479.D
Acq: 19 Nov 2024 17:43

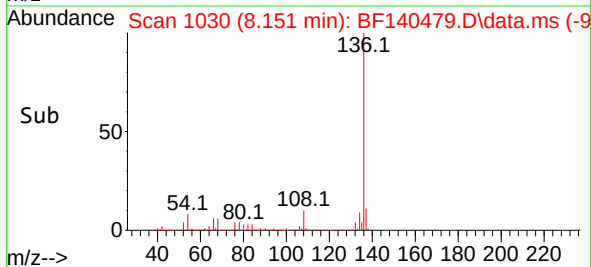
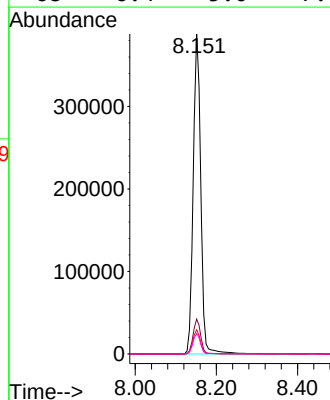
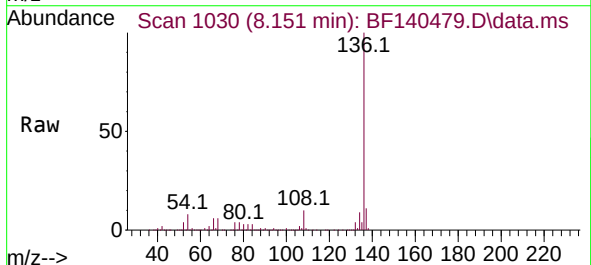
Instrument :
BNA_F
ClientSampleId :
#72-11930

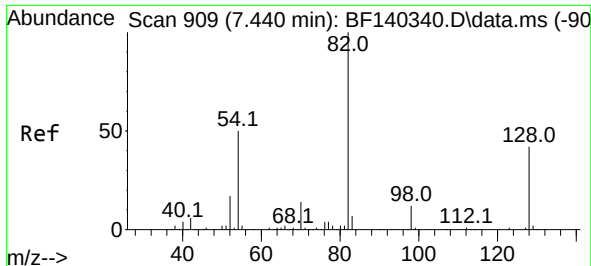
Tgt Ion: 99 Resp: 842993
Ion Ratio Lower Upper
99 100
42 18.0 15.1 22.7
71 34.5 27.9 41.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140479.D
Acq: 19 Nov 2024 17:43

Tgt Ion: 136 Resp: 501439
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 7.6 6.5 9.7
68 6.4 5.0 7.6





#23

Nitrobenzene-d5

Concen: 55.350 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF140479.D

Acq: 19 Nov 2024 17:43

Instrument :

BNA_F

ClientSampleId :

#72-11930

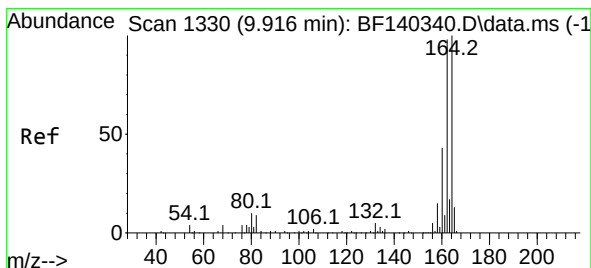
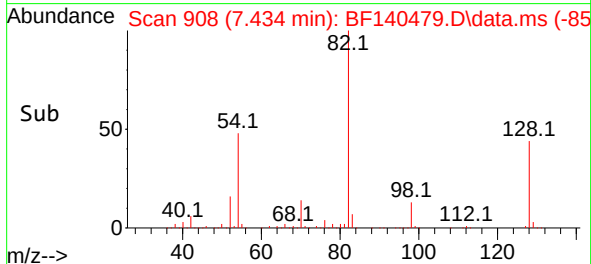
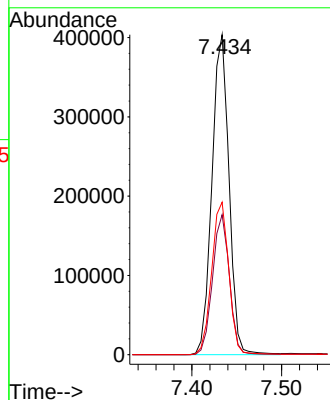
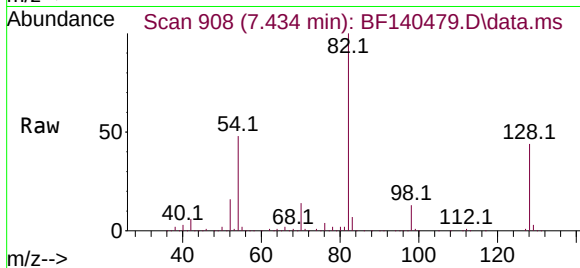
Tgt Ion: 82 Resp: 532690

Ion Ratio Lower Upper

82 100

128 43.7 33.3 49.9

54 47.6 39.8 59.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1328

Delta R.T. -0.012 min

Lab File: BF140479.D

Acq: 19 Nov 2024 17:43

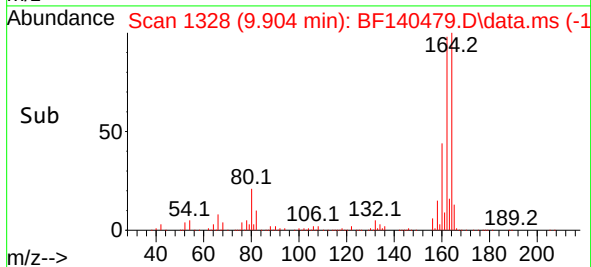
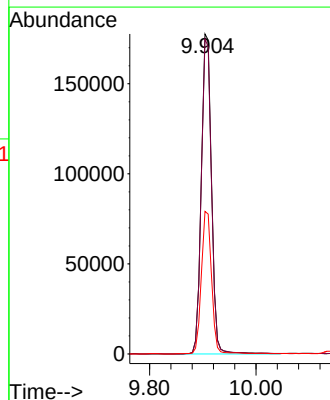
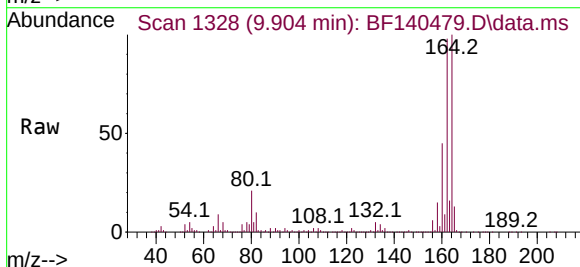
Tgt Ion:164 Resp: 235765

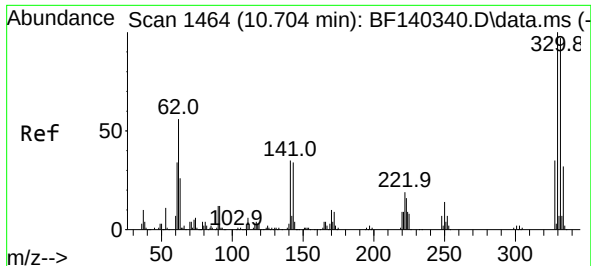
Ion Ratio Lower Upper

164 100

162 98.4 79.8 119.8

160 44.5 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 70.745 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF140479.D

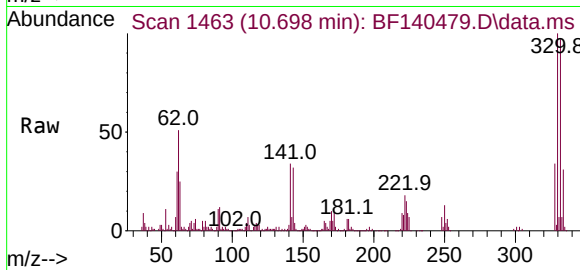
Acq: 19 Nov 2024 17:43

Instrument :

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#72-11930



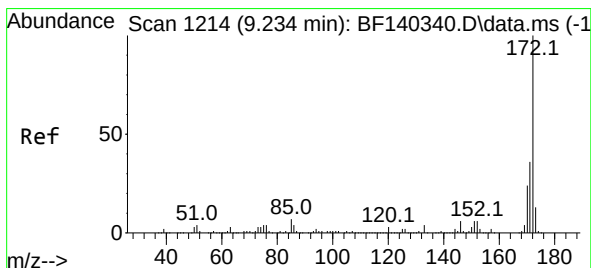
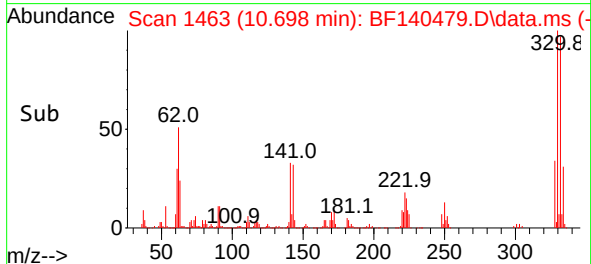
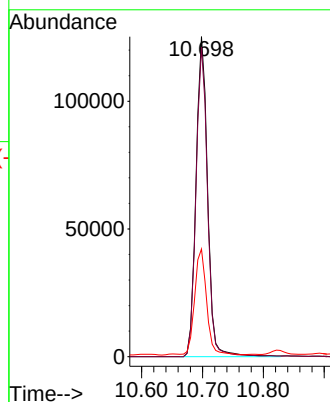
Tgt Ion:330 Resp: 165862

Ion Ratio Lower Upper

330 100

332 95.8 75.9 113.9

141 33.4 26.9 40.3



#45

2-Fluorobiphenyl

Concen: 65.490 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF140479.D

Acq: 19 Nov 2024 17:43

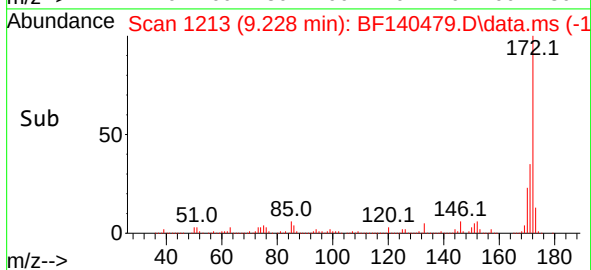
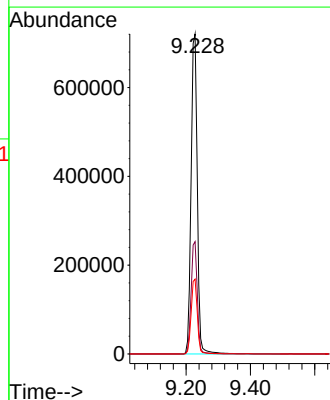
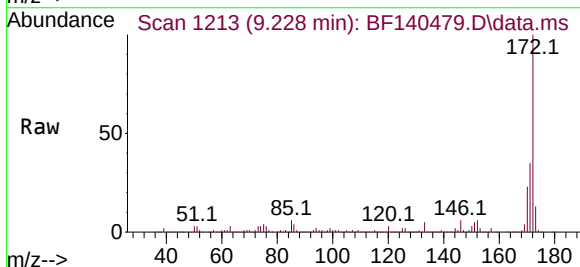
Tgt Ion:172 Resp: 960483

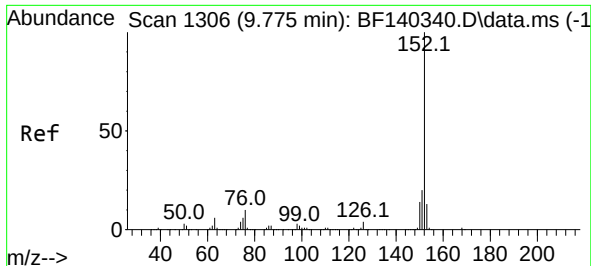
Ion Ratio Lower Upper

172 100

171 35.1 28.5 42.7

170 23.4 19.1 28.7

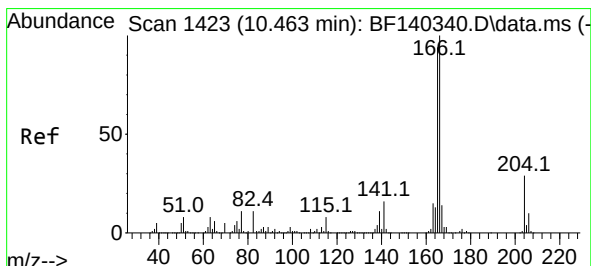
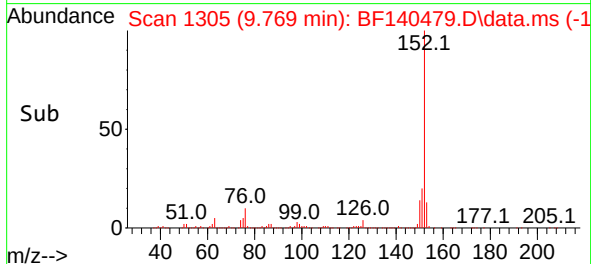
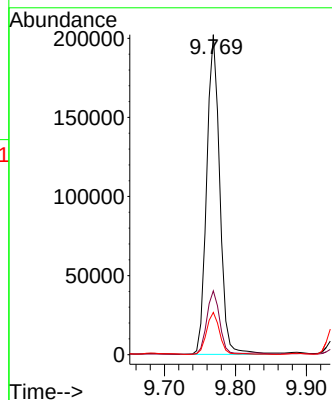
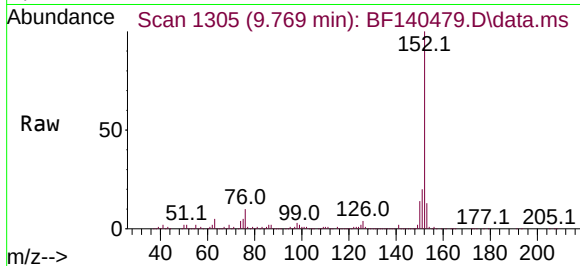




#49
Acenaphthylene
Concen: 13.088 ng
RT: 9.769 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140479.D
Acq: 19 Nov 2024 17:43

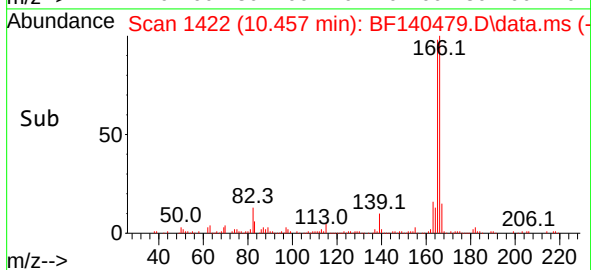
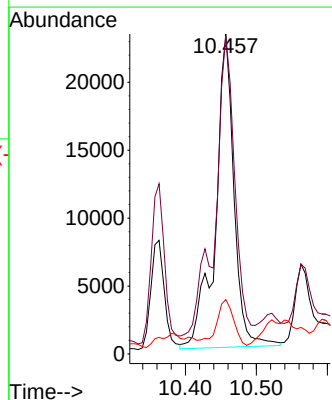
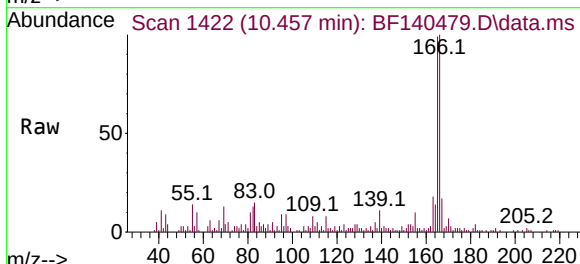
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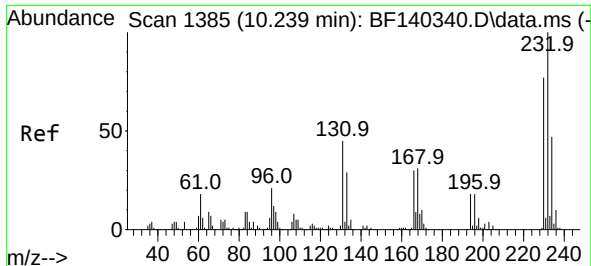
Tgt Ion:152 Resp: 258734
Ion Ratio Lower Upper
152 100
151 20.0 16.1 24.1
153 13.2 10.7 16.1



#58
Fluorene
Concen: 2.804 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF140479.D
Acq: 19 Nov 2024 17:43

Tgt Ion:166 Resp: 41874
Ion Ratio Lower Upper
166 100
165 99.3 73.9 110.9
167 17.0 10.9 16.3#

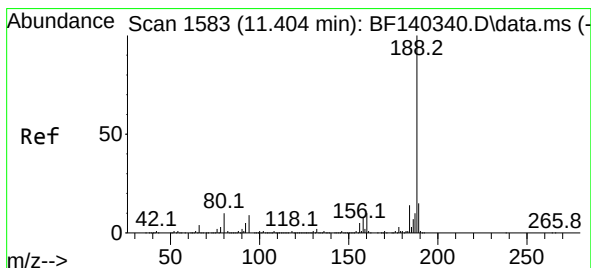
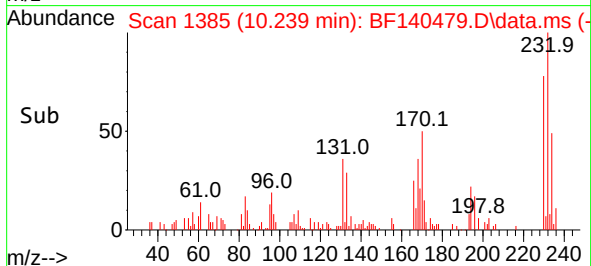
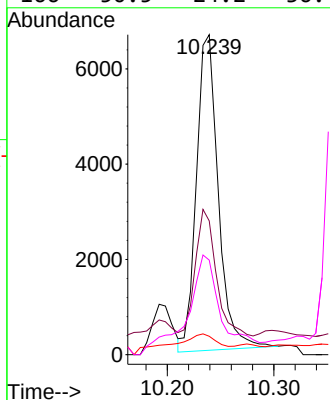
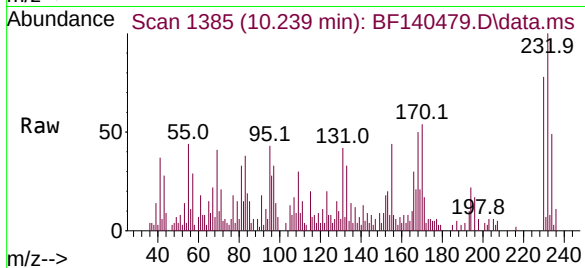




#59
2,3,4,6-Tetrachlorophenol
Concen: 2.562 ng
RT: 10.239 min Scan# 1385
Delta R.T. -0.000 min
Lab File: BF140479.D
Acq: 19 Nov 2024 17:43

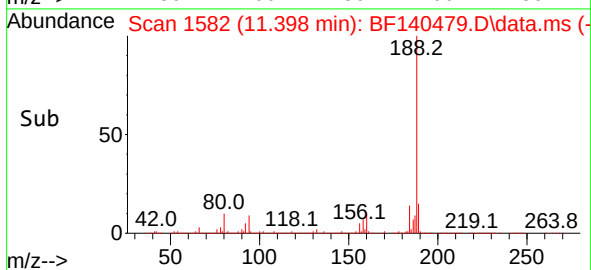
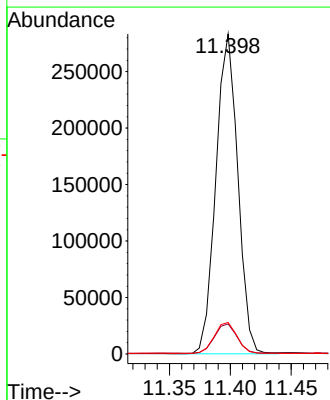
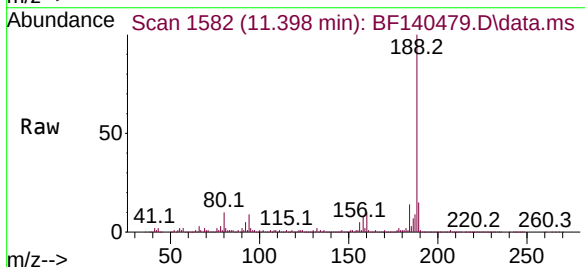
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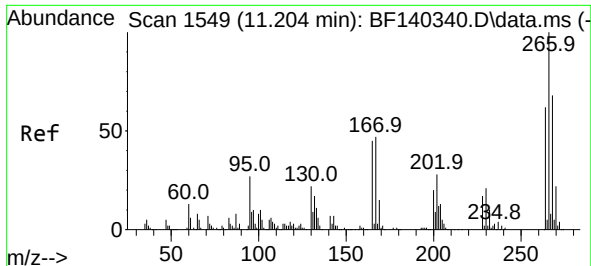
Tgt Ion:232 Resp: 9462
Ion Ratio Lower Upper
232 100
131 38.2 36.8 55.2
130 14.4 1.9 2.9#
166 50.5 24.2 36.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140479.D
Acq: 19 Nov 2024 17:43

Tgt Ion:188 Resp: 354475
Ion Ratio Lower Upper
188 100
94 9.4 7.6 11.4
80 9.9 8.0 12.0

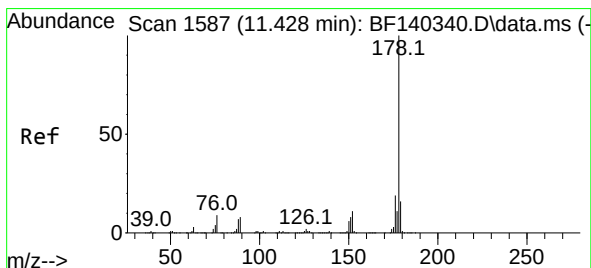
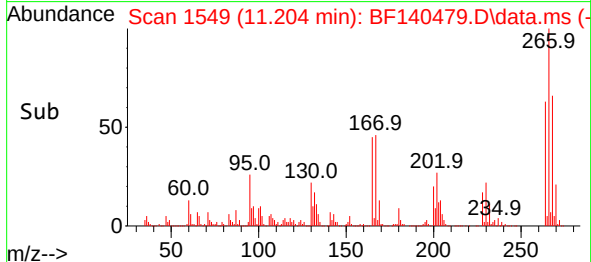
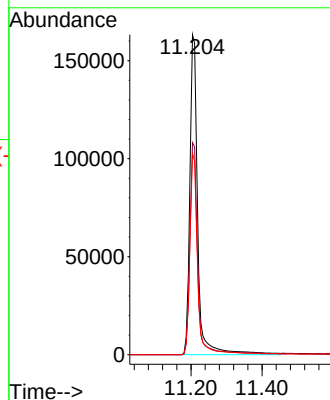
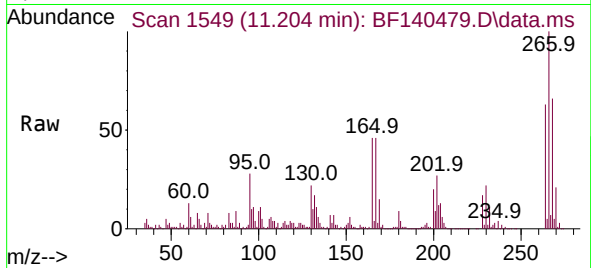




#70
 Pentachlorophenol
 Concen: 117.601 ng
 RT: 11.204 min Scan# 1549
 Delta R.T. -0.000 min
 Lab File: BF140479.D
 Acq: 19 Nov 2024 17:43

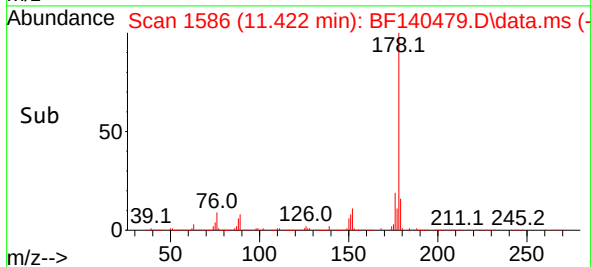
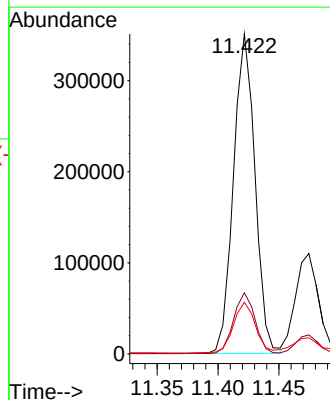
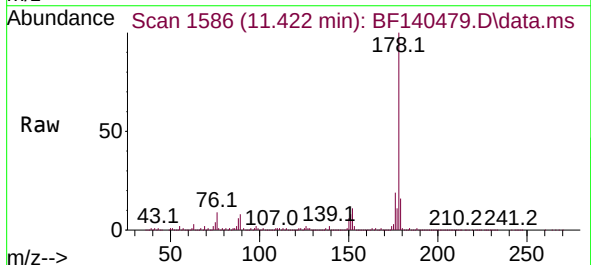
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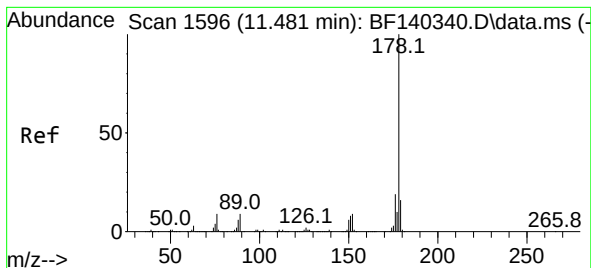
Tgt Ion:266 Resp: 252556
 Ion Ratio Lower Upper
 266 100
 268 66.3 52.9 79.3
 264 62.9 50.3 75.5



#71
 Phenanthrene
 Concen: 25.883 ng
 RT: 11.422 min Scan# 1586
 Delta R.T. -0.006 min
 Lab File: BF140479.D
 Acq: 19 Nov 2024 17:43

Tgt Ion:178 Resp: 430989
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.5 23.3
 179 16.1 12.4 18.6





#72

Anthracene

Concen: 8.849 ng

RT: 11.475 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140479.D

Acq: 19 Nov 2024 17:43

Instrument :

BNA_F

ClientSampleId :

#72-11930

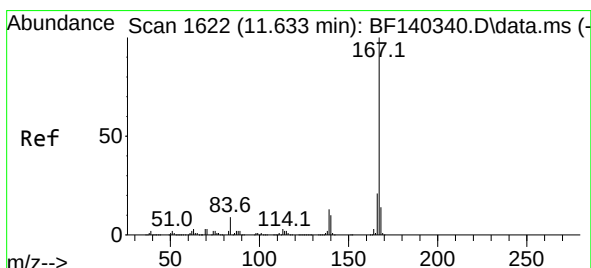
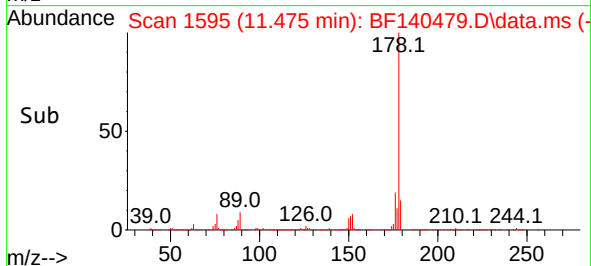
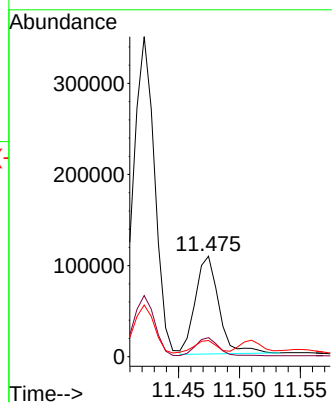
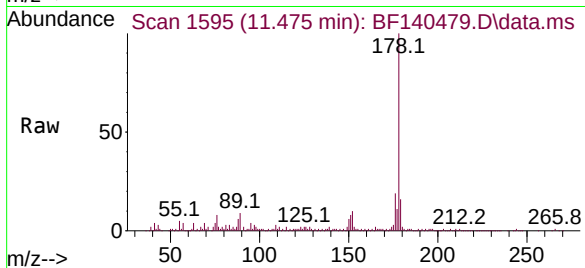
Tgt Ion:178 Resp: 144411

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.0

179 16.1 12.6 18.8



#73

Carbazole

Concen: 2.331 ng

RT: 11.628 min Scan# 1621

Delta R.T. -0.006 min

Lab File: BF140479.D

Acq: 19 Nov 2024 17:43

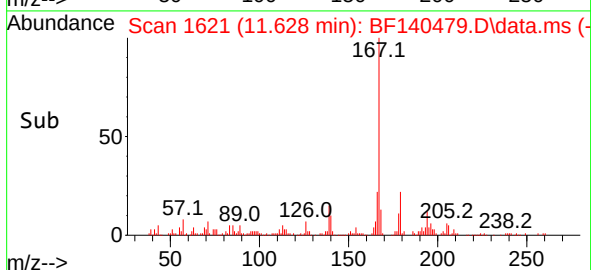
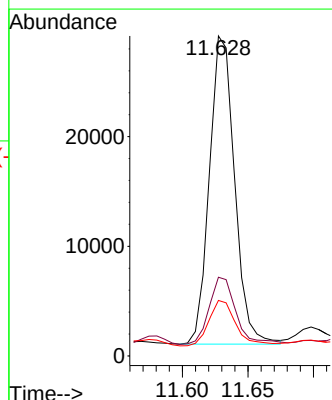
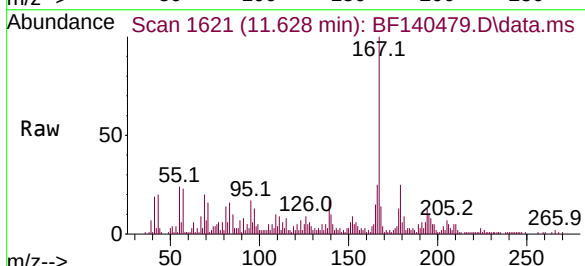
Tgt Ion:167 Resp: 37561

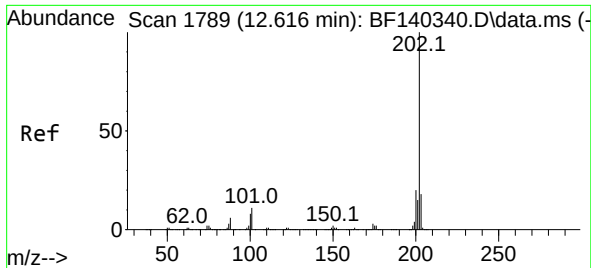
Ion Ratio Lower Upper

167 100

166 24.6 17.2 25.8

139 17.4 10.4 15.6#

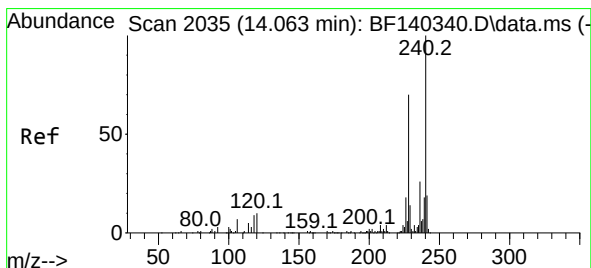
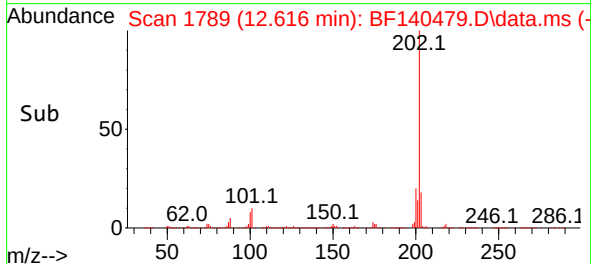
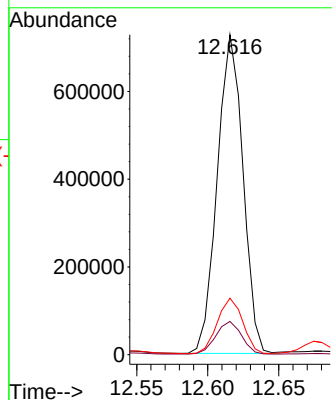
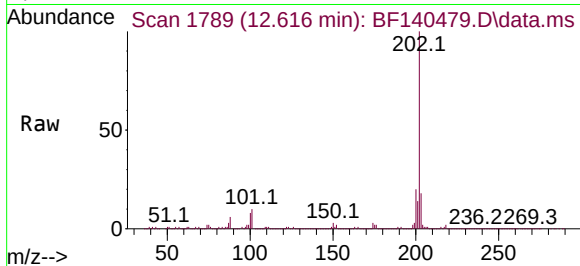




#75
Fluoranthene
Concen: 48.931 ng
RT: 12.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140479.D
Acq: 19 Nov 2024 17:43

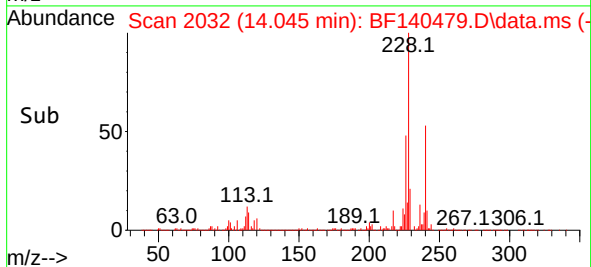
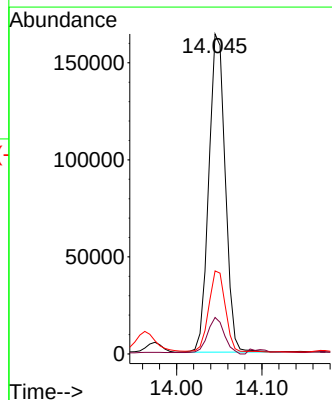
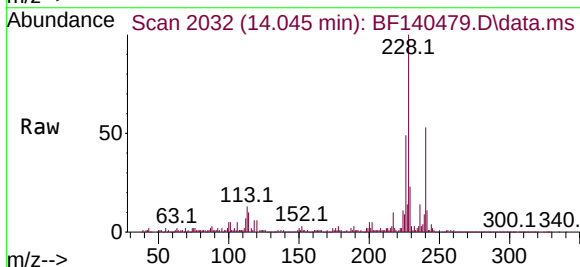
Instrument :
BNA_F
ClientSampleId :
#72-11930

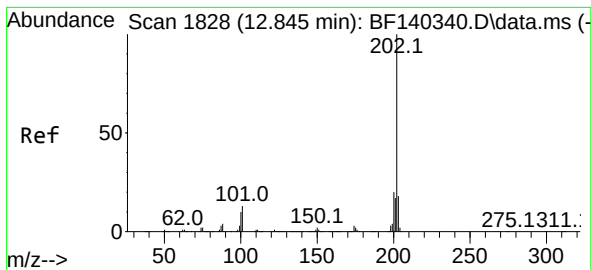
Tgt Ion:202 Resp: 914119
Ion Ratio Lower Upper
202 100
101 10.4 0.0 30.7
203 17.7 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140479.D
Acq: 19 Nov 2024 17:43

Tgt Ion:240 Resp: 219625
Ion Ratio Lower Upper
240 100
120 11.4 8.8 13.2
236 26.0 20.9 31.3





#78

Pyrene

Concen: 60.956 ng

RT: 12.845 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF140479.D

Acq: 19 Nov 2024 17:43

Instrument :

BNA_F

ClientSampleId :

#72-11930

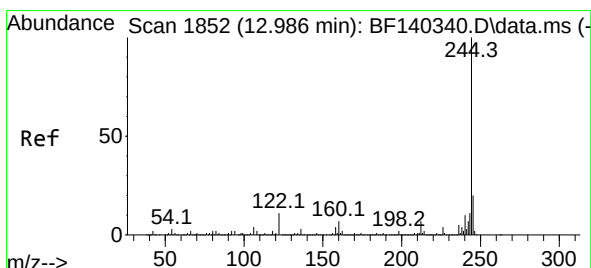
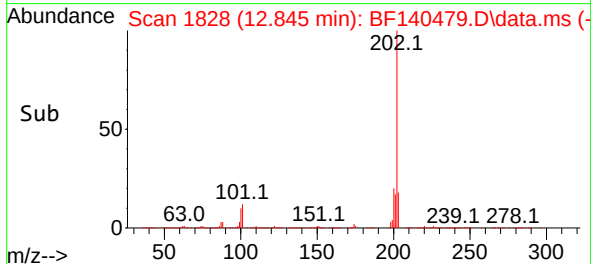
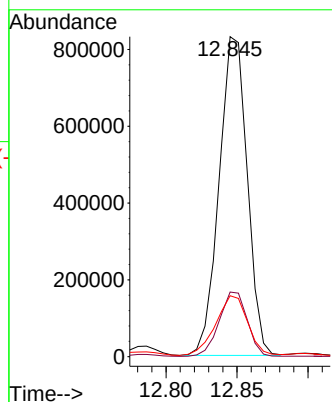
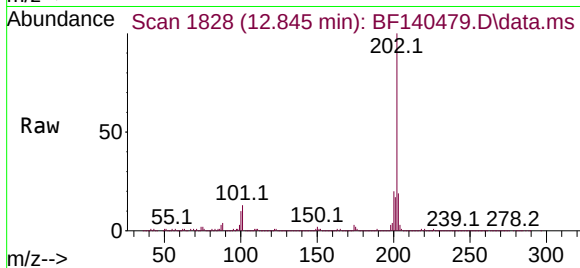
Tgt Ion:202 Resp: 1145125

Ion Ratio Lower Upper

202 100

200 20.2 16.2 24.2

203 19.1 14.2 21.4



#79

Terphenyl-d14

Concen: 58.519 ng

RT: 12.986 min Scan# 1852

Delta R.T. -0.000 min

Lab File: BF140479.D

Acq: 19 Nov 2024 17:43

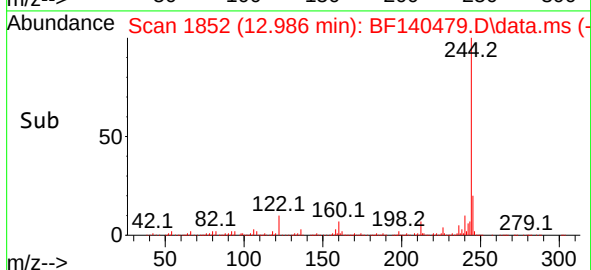
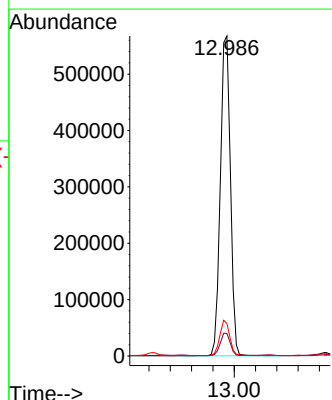
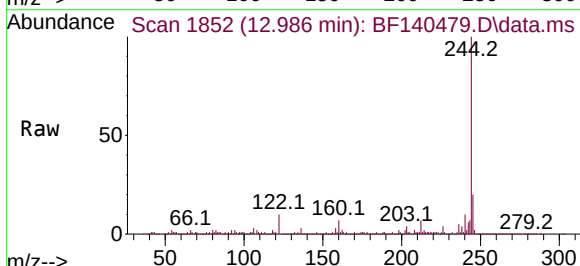
Tgt Ion:244 Resp: 740419

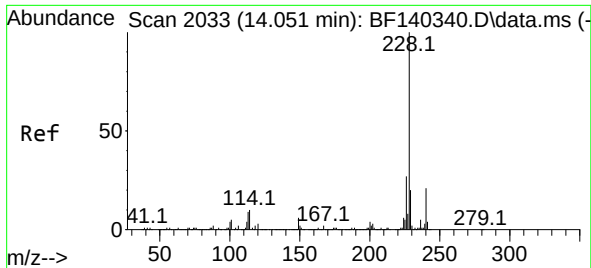
Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

122 10.2 8.8 13.2

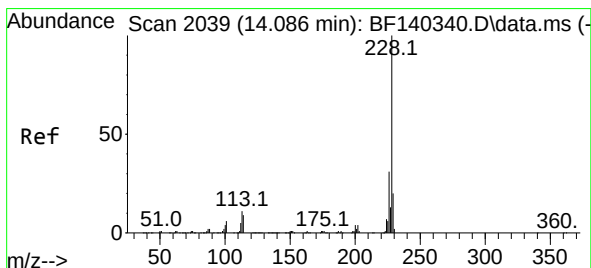
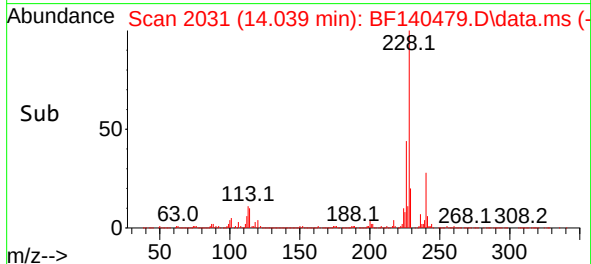
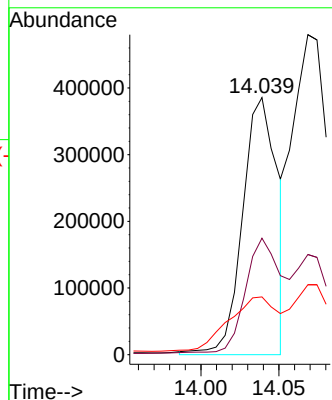
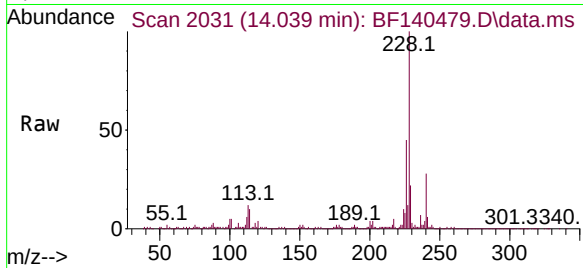




#81
Benzo(a)anthracene
Concen: 41.490 ng m
RT: 14.039 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BF140479.D
Acq: 19 Nov 2024 17:43

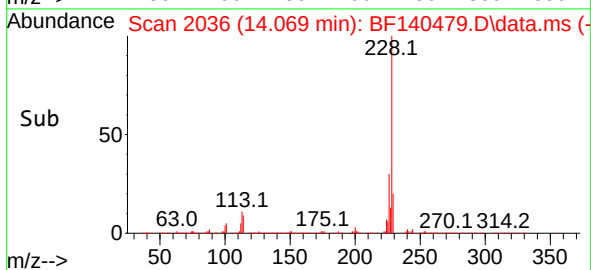
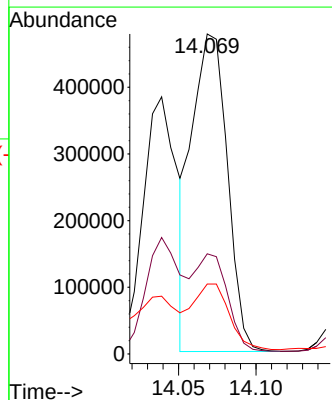
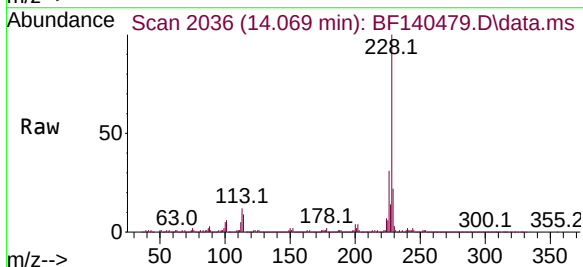
Instrument :
BNA_F
ClientSampleId :
#72-11930

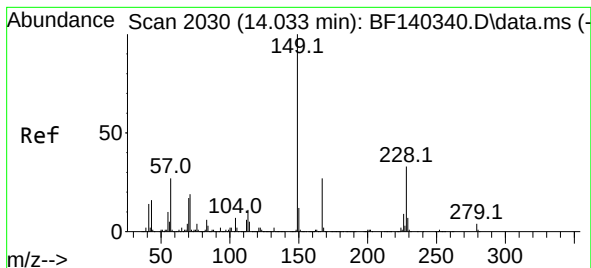
Tgt Ion:228 Resp: 598885
Ion Ratio Lower Upper
228 100
226 45.3 22.2 33.4#
229 22.5 15.8 23.6



#83
Chrysene
Concen: 57.528 ng
RT: 14.069 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF140479.D
Acq: 19 Nov 2024 17:43

Tgt Ion:228 Resp: 757646
Ion Ratio Lower Upper
228 100
226 31.3 24.5 36.7
229 21.8 16.0 24.0

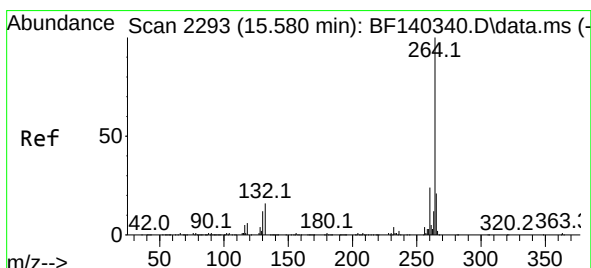
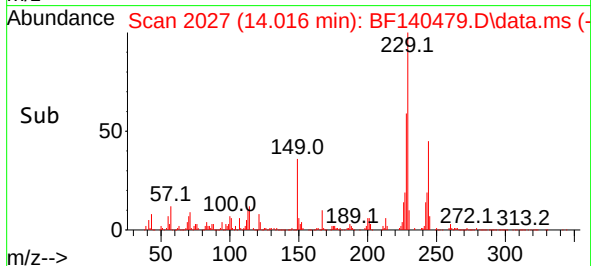
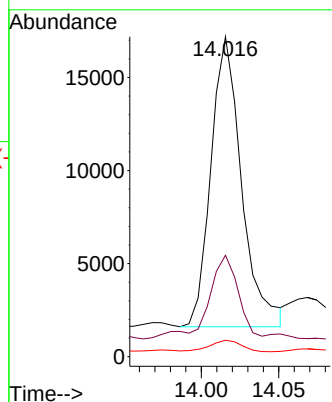
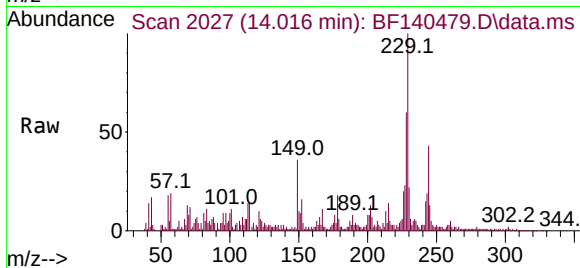




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.225 ng
RT: 14.016 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF140479.D
Acq: 19 Nov 2024 17:43

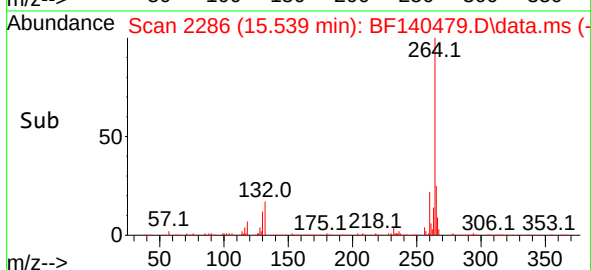
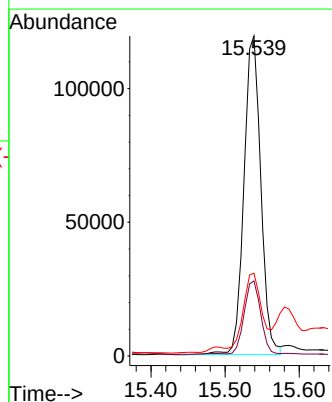
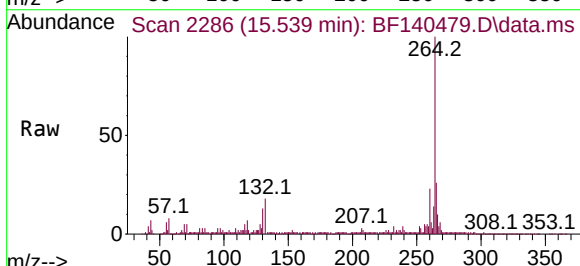
Instrument :
BNA_F
ClientSampleId :
#72-11930

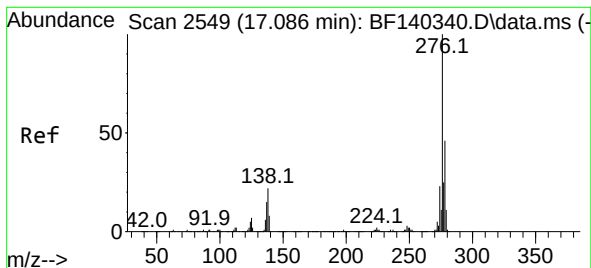
Tgt Ion:149 Resp: 21435
Ion Ratio Lower Upper
149 100
167 31.7 21.4 32.0
279 5.1 3.0 4.6#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2286
Delta R.T. -0.018 min
Lab File: BF140479.D
Acq: 19 Nov 2024 17:43

Tgt Ion:264 Resp: 188677
Ion Ratio Lower Upper
264 100
260 23.4 19.2 28.8
265 25.9 17.1 25.7#





#87

Indeno(1,2,3-cd)pyrene

Concen: 51.701 ng

RT: 17.045 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF140479.D

Acq: 19 Nov 2024 17:43

Instrument :

BNA_F

ClientSampleId :

#72-11930

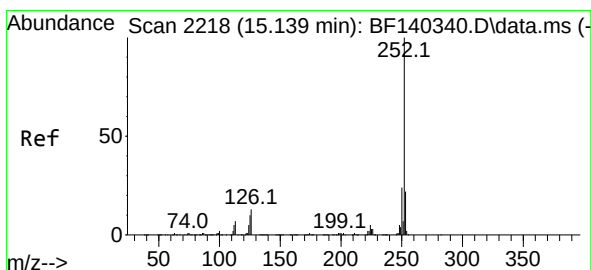
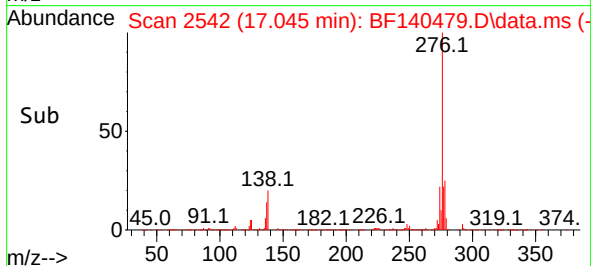
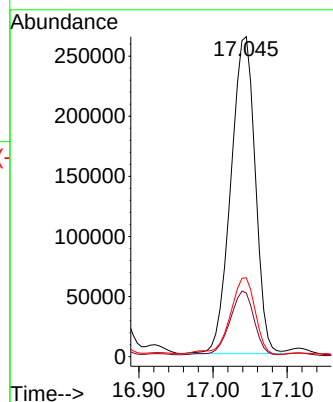
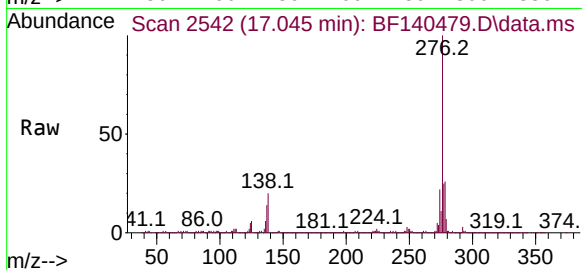
Tgt Ion:276 Resp: 602580

Ion Ratio Lower Upper

276 100

138 19.9 18.8 28.2

277 24.8 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 104.927 ng m

RT: 15.104 min Scan# 2212

Delta R.T. -0.012 min

Lab File: BF140479.D

Acq: 19 Nov 2024 17:43

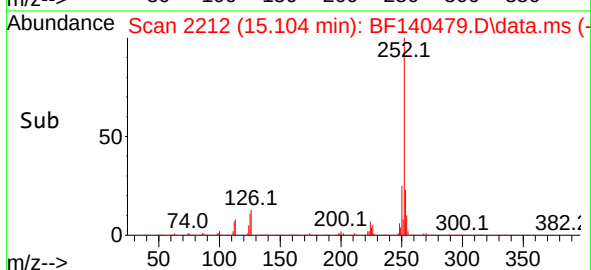
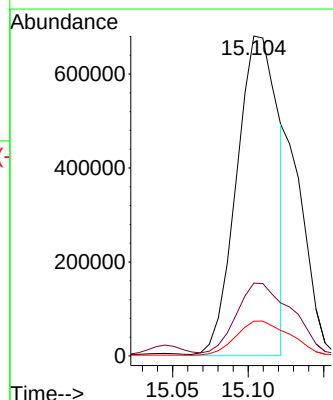
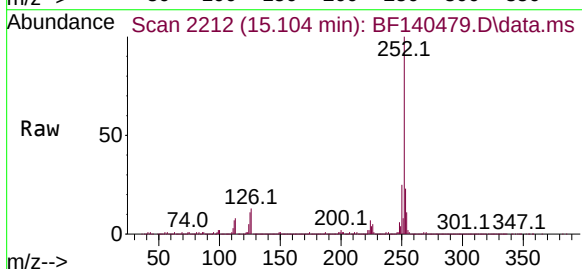
Tgt Ion:252 Resp: 1295048

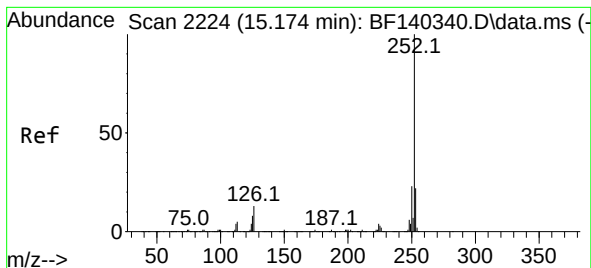
Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

125 10.9 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 42.488 ng m

RT: 15.121 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF140479.D

Acq: 19 Nov 2024 17:43

Instrument :

BNA_F

ClientSampleId :

#72-11930

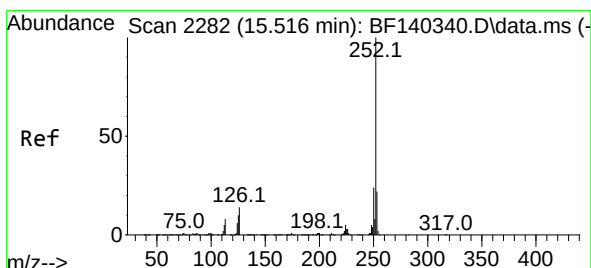
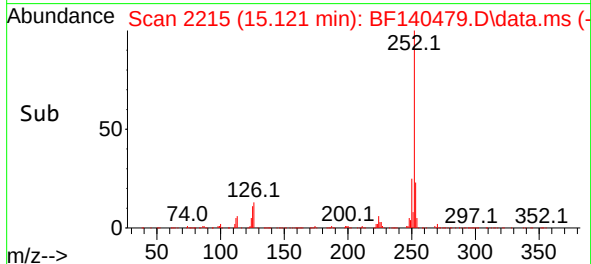
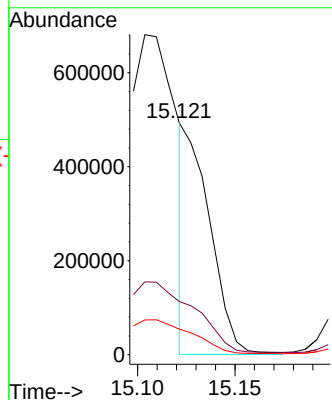
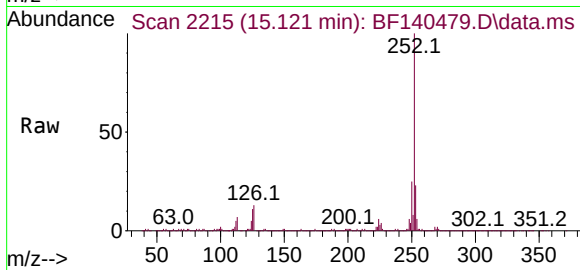
Tgt Ion:252 Resp: 428394

Ion Ratio Lower Upper

252 100

253 22.9 17.3 25.9

125 11.0 7.4 11.2



#90

Benzo(a)pyrene

Concen: 80.589 ng

RT: 15.480 min Scan# 2276

Delta R.T. -0.012 min

Lab File: BF140479.D

Acq: 19 Nov 2024 17:43

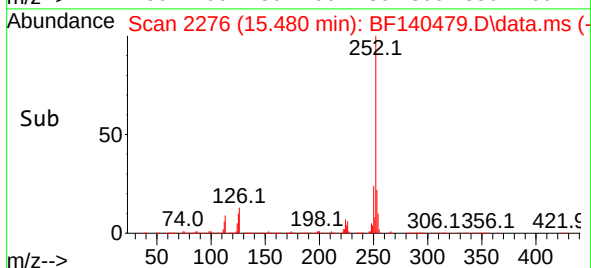
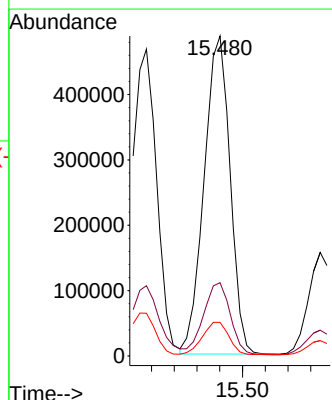
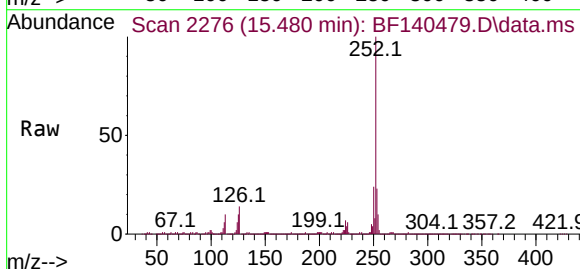
Tgt Ion:252 Resp: 772420

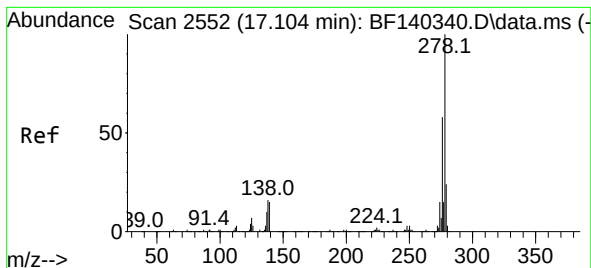
Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.6

125 10.5 8.4 12.6





#91

Dibenzo(a,h)anthracene

Concen: 15.962 ng m

RT: 17.045 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF140479.D

Acq: 19 Nov 2024 17:43

Instrument :

BNA_F

ClientSampleId :

#72-11930

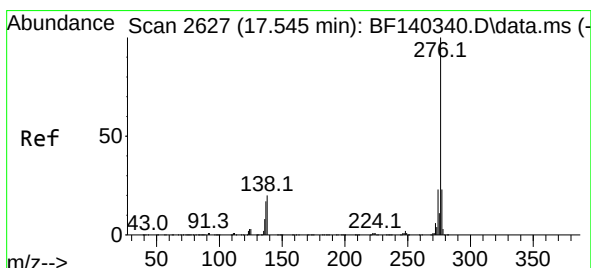
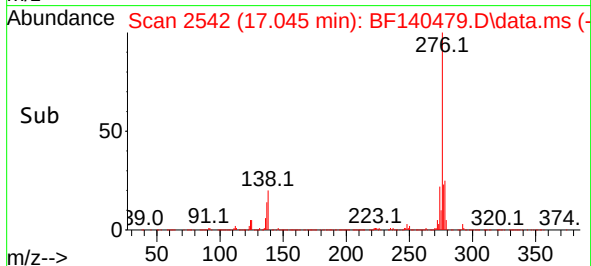
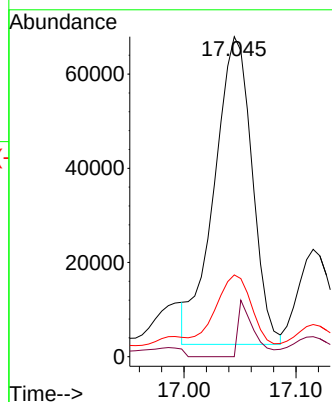
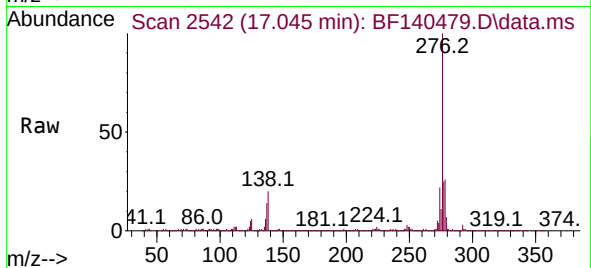
Tgt Ion:278 Resp: 153777

Ion Ratio Lower Upper

278 100

139 0.0 11.8 17.8#

279 25.6 18.9 28.3



#92

Benzo(g,h,i)perylene

Concen: 59.248 ng

RT: 17.504 min Scan# 2620

Delta R.T. -0.012 min

Lab File: BF140479.D

Acq: 19 Nov 2024 17:43

Tgt Ion:276 Resp: 583543

Ion Ratio Lower Upper

276 100

277 24.0 18.6 28.0

138 20.3 16.0 24.0

