

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
 Data File : BF140485.D
 Acq On : 19 Nov 2024 20:20
 Operator : RC/JU
 Sample : P4908-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-2

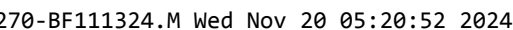
Quant Time: Nov 20 00:11:50 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 14:40:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	128449	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	442282	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	201259	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	327784	20.000	ng	0.00
76) Chrysene-d12	14.045	240	204608	20.000	ng	0.00
86) Perylene-d12	15.527	264	167630	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	591551	78.631	ng	0.01
7) Phenol-d6	6.510	99	769778	75.523	ng	0.00
23) Nitrobenzene-d5	7.434	82	460061	54.197	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	138157	69.031	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	790181	63.115	ng	0.00
79) Terphenyl-d14	12.980	244	675321	57.291	ng	0.00
Target Compounds						
						Qvalue
3) Pyridine	3.493	79	17948	2.177	ng	98
71) Phenanthrene	11.422	178	233852	15.187	ng	99
72) Anthracene	11.475	178	50108	3.320	ng	99
75) Fluoranthene	12.616	202	261856	15.158	ng	98
78) Pyrene	12.845	202	222754	12.728	ng	99
81) Benzo(a)anthracene	14.033	228	102909	7.653	ng	97
83) Chrysene	14.069	228	84023	6.848	ng	97
87) Indeno(1,2,3-cd)pyrene	17.027	276	26190	2.529	ng	97
88) Benzo(b)fluoranthene	15.092	252	80993m	7.386	ng	
89) Benzo(k)fluoranthene	15.110	252	24351m	2.718	ng	
90) Benzo(a)pyrene	15.463	252	52955	6.219	ng	# 96
92) Benzo(g,h,i)perylene	17.480	276	24915	2.847	ng	95

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

Quant Time: Nov 20 00:11:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
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QLast Update : Wed Nov 13 14:40:06 2024
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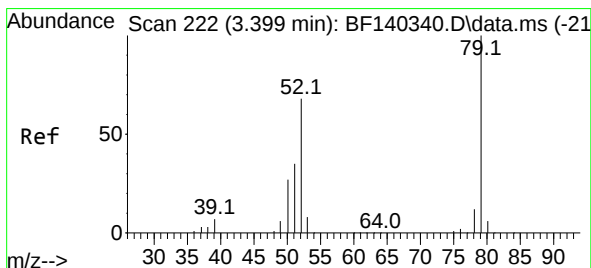
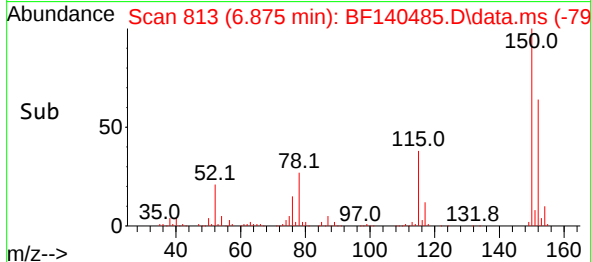
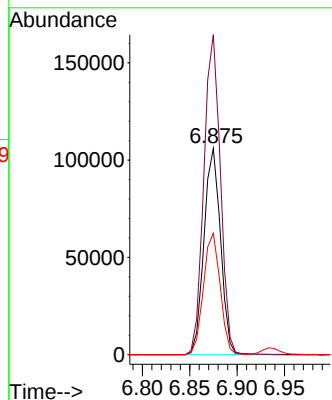
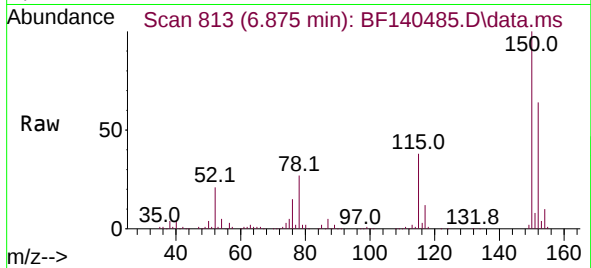




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140485.D
Acq: 19 Nov 2024 20:20

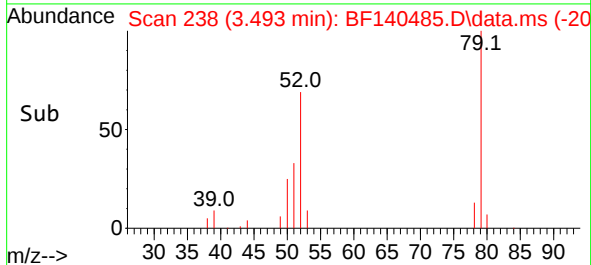
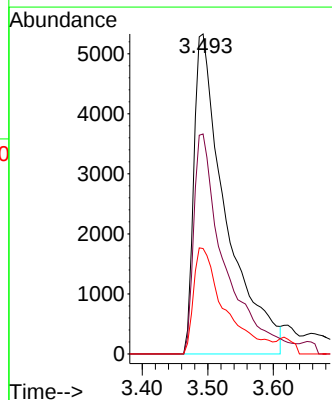
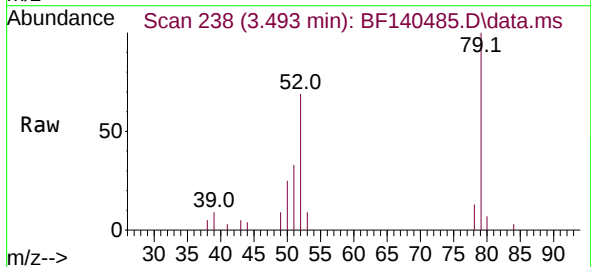
Instrument :
BNA_F
ClientSampleId :
SP-2

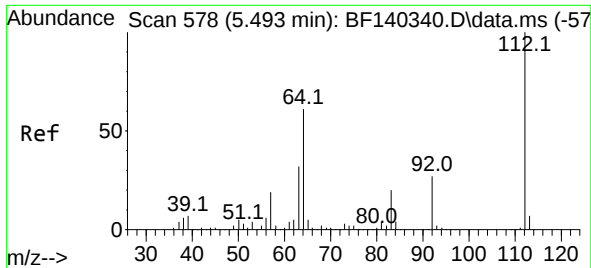
Tgt Ion:152 Resp: 128449
Ion Ratio Lower Upper
152 100
150 155.1 127.4 191.0
115 58.9 47.4 71.2



#3
Pyridine
Concen: 2.177 ng
RT: 3.493 min Scan# 238
Delta R.T. 0.088 min
Lab File: BF140485.D
Acq: 19 Nov 2024 20:20

Tgt Ion: 79 Resp: 17948
Ion Ratio Lower Upper
79 100
52 68.7 53.8 80.6
51 33.0 27.3 40.9

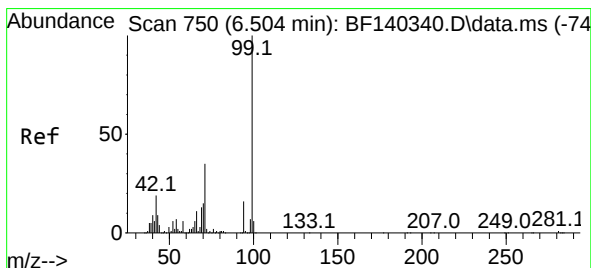
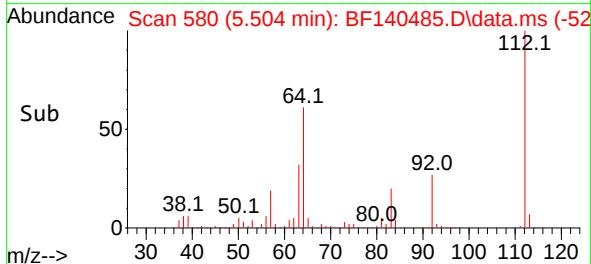
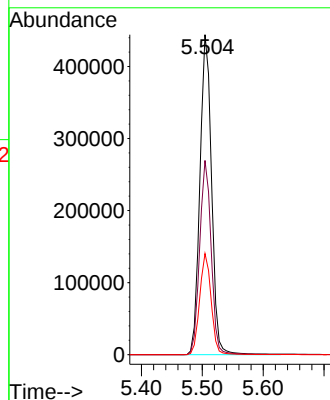
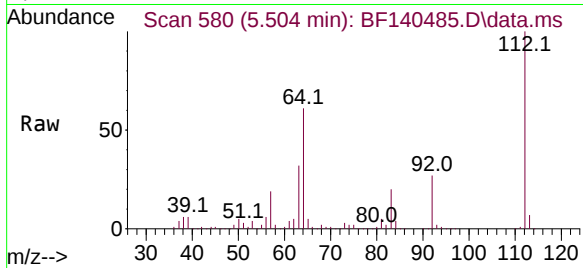




#5
2-Fluorophenol
Concen: 78.631 ng
RT: 5.504 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF140485.D
Acq: 19 Nov 2024 20:20

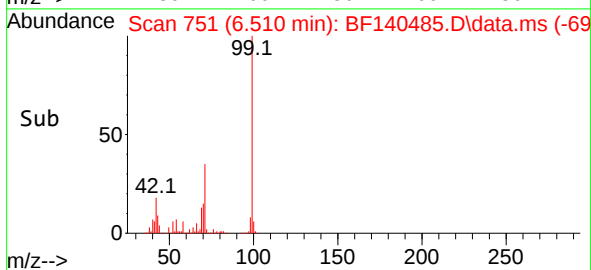
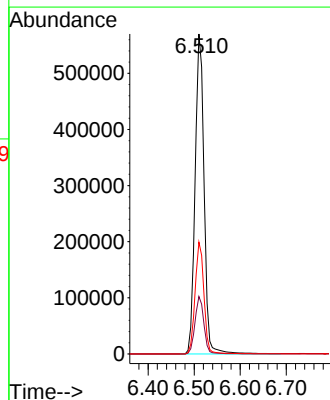
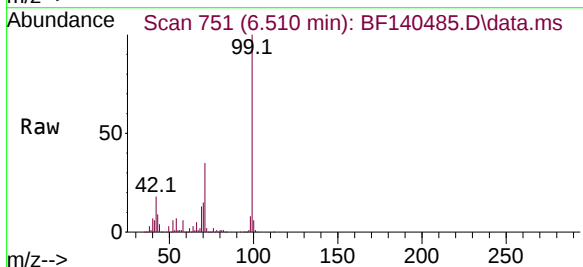
Instrument :
BNA_F
ClientSampleId :
SP-2

Tgt Ion:112 Resp: 591551
Ion Ratio Lower Upper
112 100
64 60.7 49.2 73.8
63 31.6 25.6 38.4



#7
Phenol-d6
Concen: 75.523 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.006 min
Lab File: BF140485.D
Acq: 19 Nov 2024 20:20

Tgt Ion: 99 Resp: 769778
Ion Ratio Lower Upper
99 100
42 17.9 15.1 22.7
71 34.9 27.9 41.9



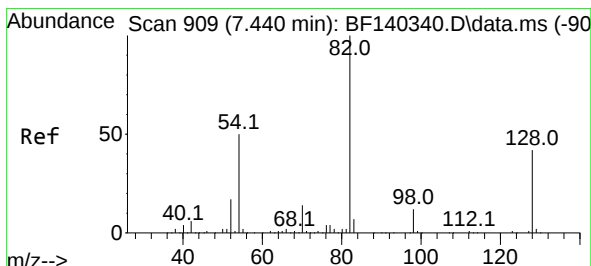
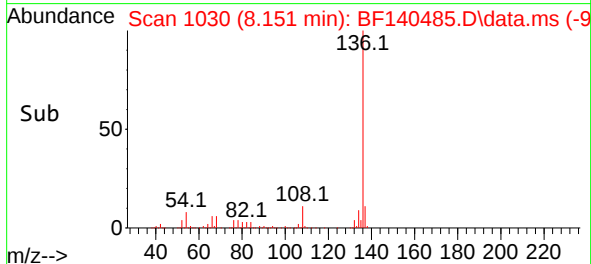
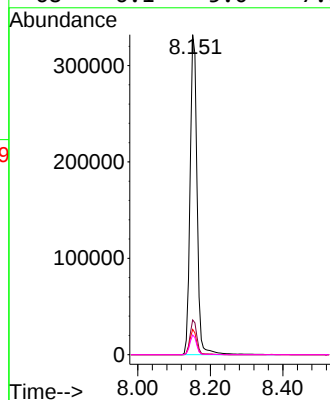
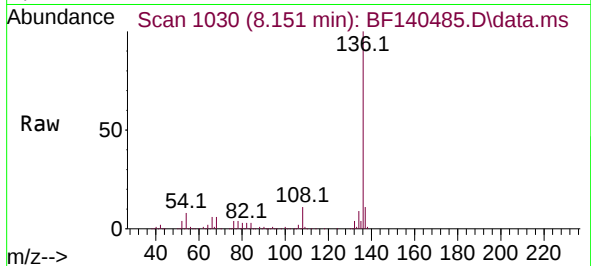


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF140485.D
Acq: 19 Nov 2024 20:20

Instrument :
BNA_F
ClientSampleId :
SP-2

Tgt Ion:136 Resp: 442282

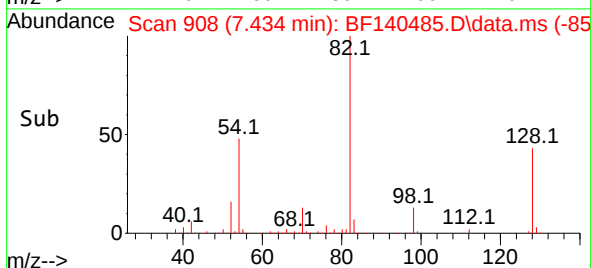
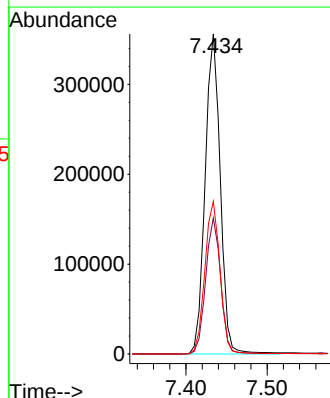
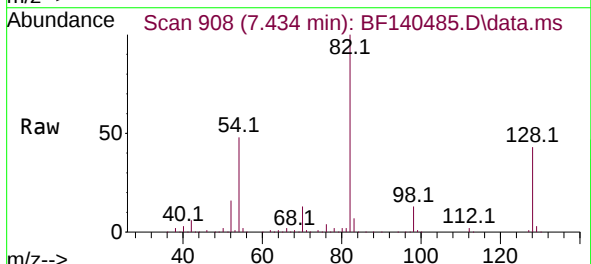
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	7.9	6.5	9.7
68	6.1	5.0	7.6

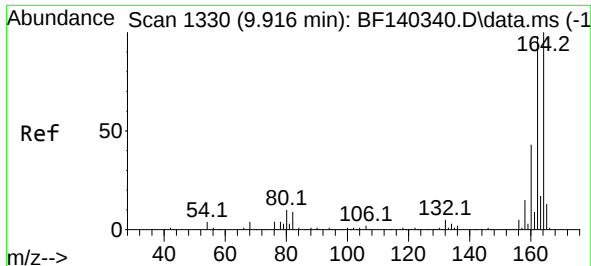


#23
Nitrobenzene-d5
Concen: 54.197 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF140485.D
Acq: 19 Nov 2024 20:20

Tgt Ion: 82 Resp: 460061

Ion	Ratio	Lower	Upper
82	100		
128	42.5	33.3	49.9
54	47.7	39.8	59.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140485.D

Acq: 19 Nov 2024 20:20

Instrument :

BNA_F

ClientSampleId :

SP-2

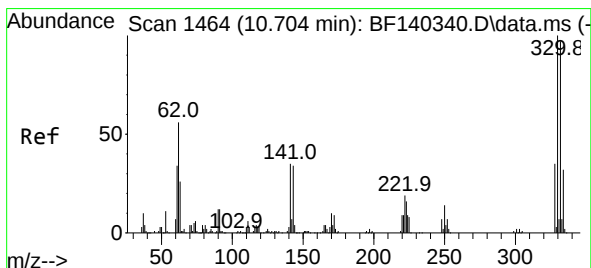
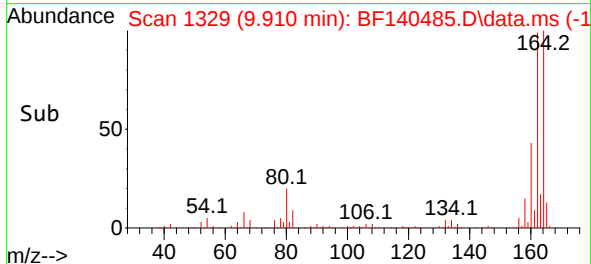
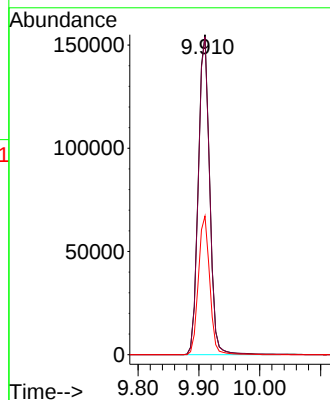
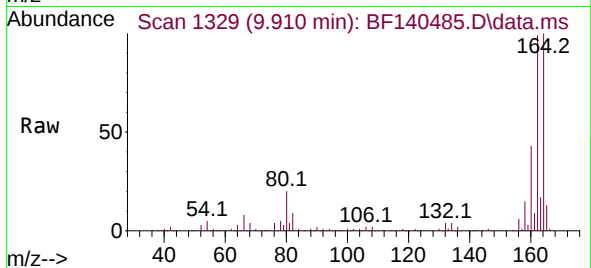
Tgt Ion:164 Resp: 201259

Ion Ratio Lower Upper

164 100

162 99.3 79.8 119.8

160 43.3 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 69.031 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF140485.D

Acq: 19 Nov 2024 20:20

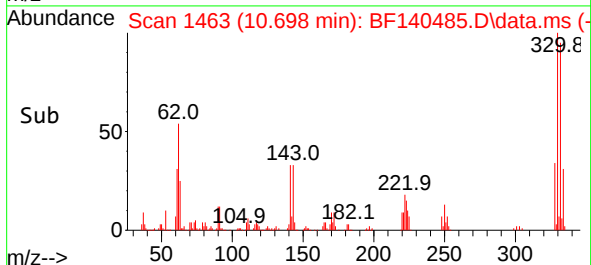
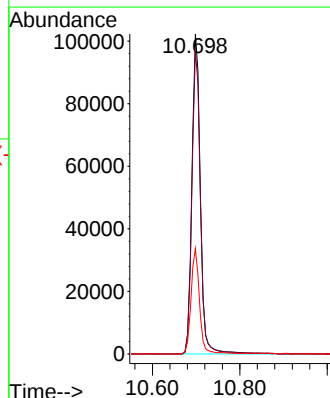
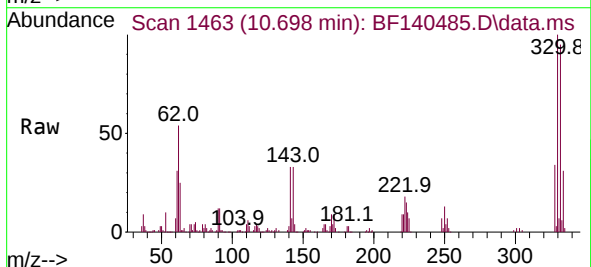
Tgt Ion:330 Resp: 138157

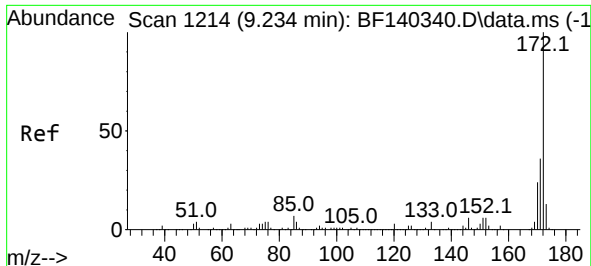
Ion Ratio Lower Upper

330 100

332 94.8 75.9 113.9

141 32.9 26.9 40.3

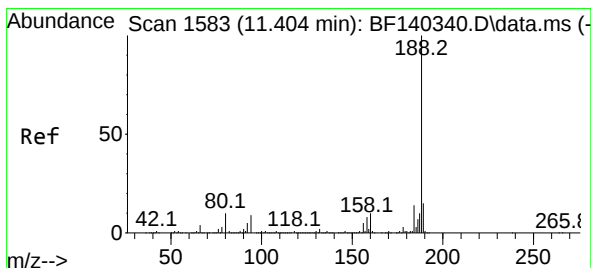
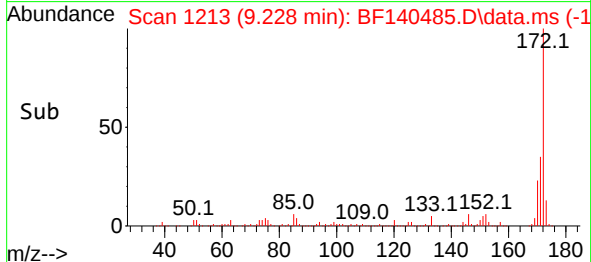
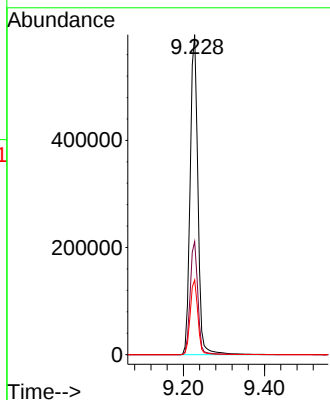
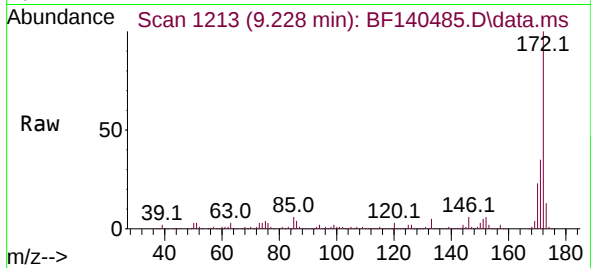




#45
2-Fluorobiphenyl
Concen: 63.115 ng
RT: 9.228 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140485.D
Acq: 19 Nov 2024 20:20

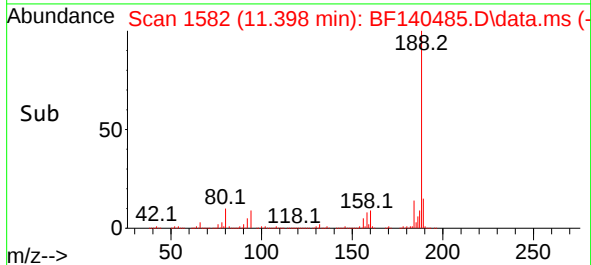
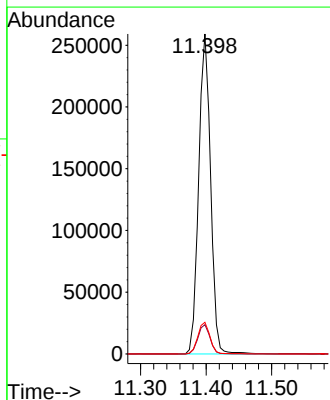
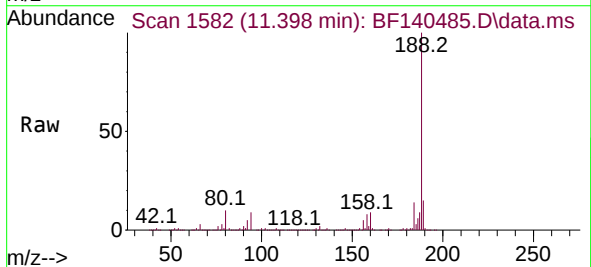
Instrument :
BNA_F
ClientSampleId :
SP-2

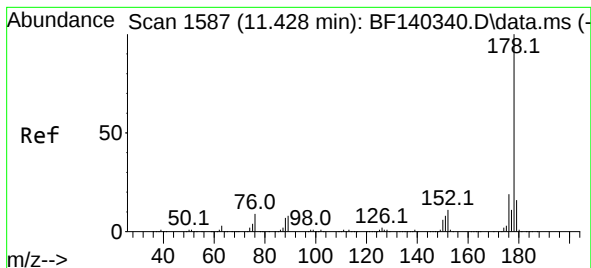
Tgt Ion:172 Resp: 790181
Ion Ratio Lower Upper
172 100
171 35.3 28.5 42.7
170 23.4 19.1 28.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140485.D
Acq: 19 Nov 2024 20:20

Tgt Ion:188 Resp: 327784
Ion Ratio Lower Upper
188 100
94 9.2 7.6 11.4
80 9.9 8.0 12.0





#71

Phenanthrene

Concen: 15.187 ng

RT: 11.422 min Scan# 1587

Delta R.T. -0.006 min

Lab File: BF140485.D

Acq: 19 Nov 2024 20:20

Instrument :

BNA_F

ClientSampleId :

SP-2

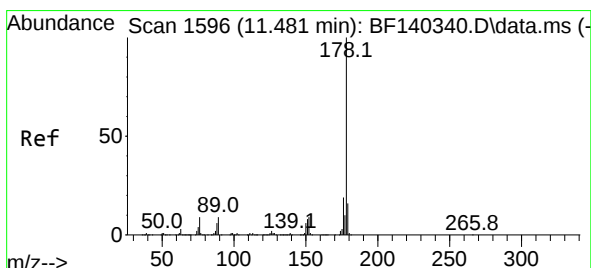
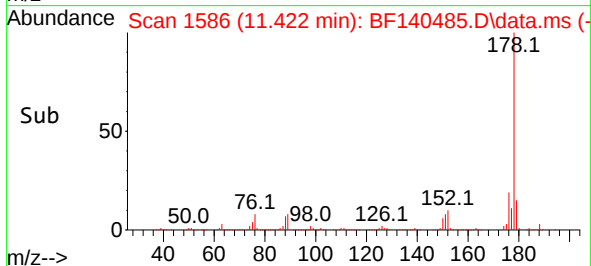
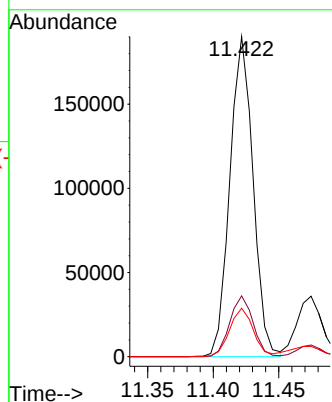
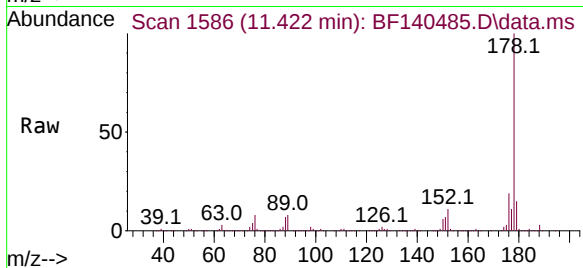
Tgt Ion:178 Resp: 233852

Ion Ratio Lower Upper

178 100

176 19.0 15.5 23.3

179 15.2 12.4 18.6



#72

Anthracene

Concen: 3.320 ng

RT: 11.475 min Scan# 1595

Delta R.T. -0.006 min

Lab File: BF140485.D

Acq: 19 Nov 2024 20:20

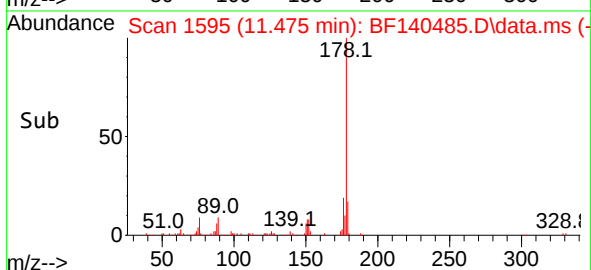
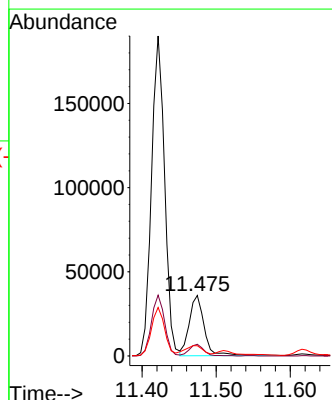
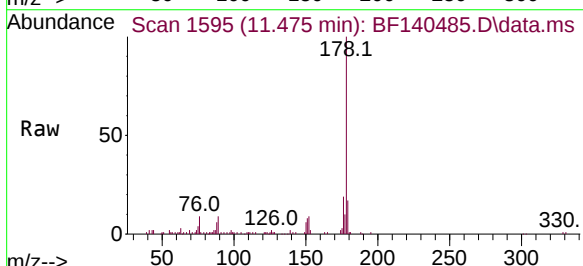
Tgt Ion:178 Resp: 50108

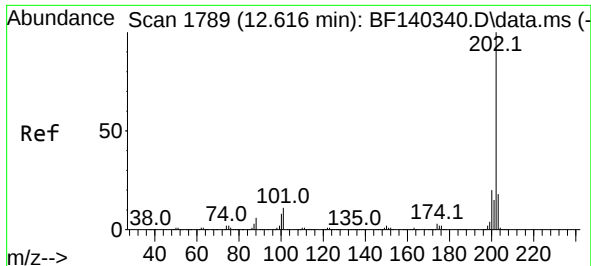
Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.0

179 16.9 12.6 18.8

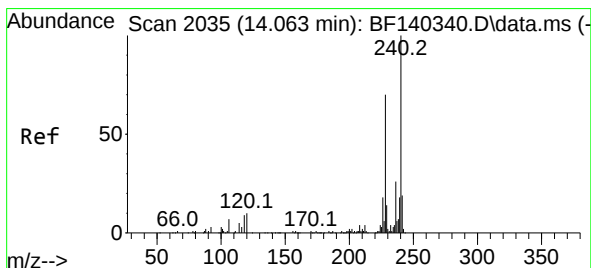
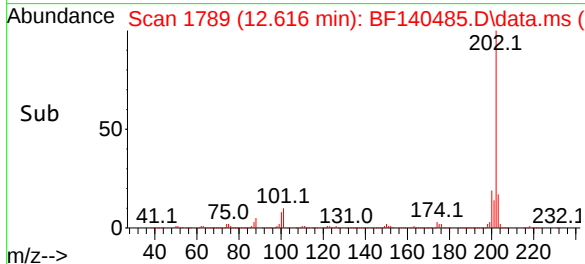
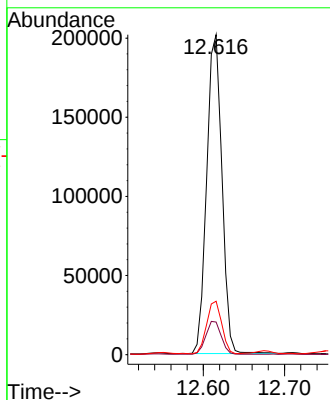
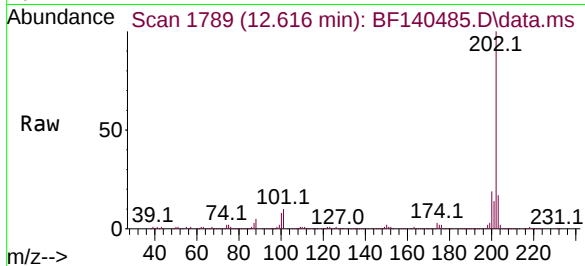




#75
Fluoranthene
Concen: 15.158 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140485.D
Acq: 19 Nov 2024 20:20

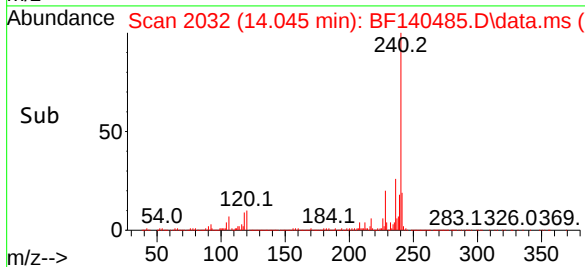
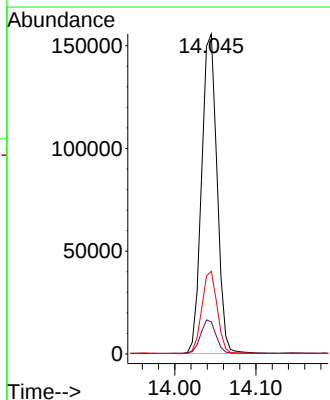
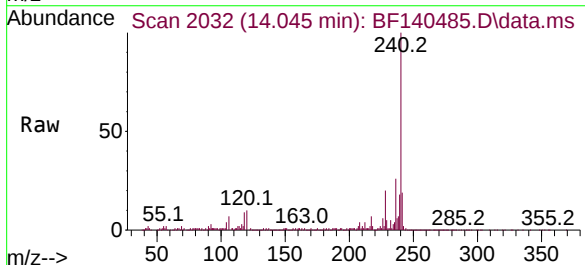
Instrument :
BNA_F
ClientSampleId :
SP-2

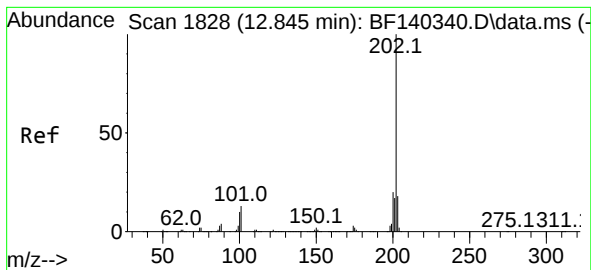
Tgt Ion:202 Resp: 261856
Ion Ratio Lower Upper
202 100
101 10.2 0.0 30.7
203 16.7 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140485.D
Acq: 19 Nov 2024 20:20

Tgt Ion:240 Resp: 204608
Ion Ratio Lower Upper
240 100
120 10.0 8.8 13.2
236 25.8 20.9 31.3





#78

Pyrene

Concen: 12.728 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.000 min

Lab File: BF140485.D

Acq: 19 Nov 2024 20:20

Instrument :

BNA_F

ClientSampleId :

SP-2

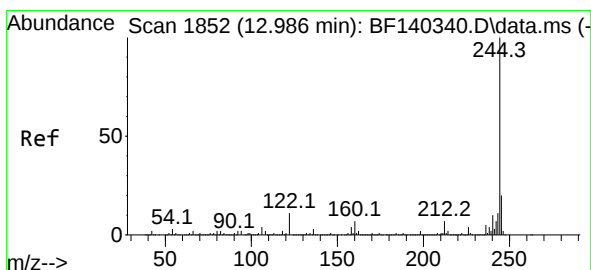
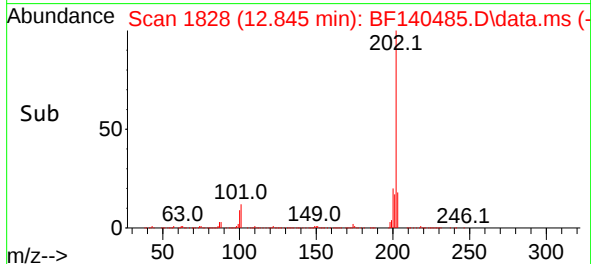
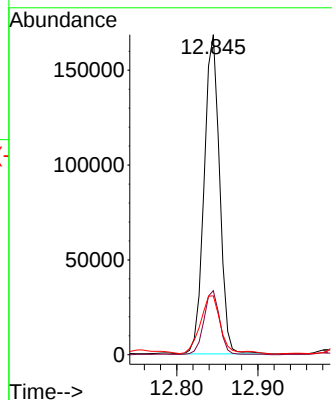
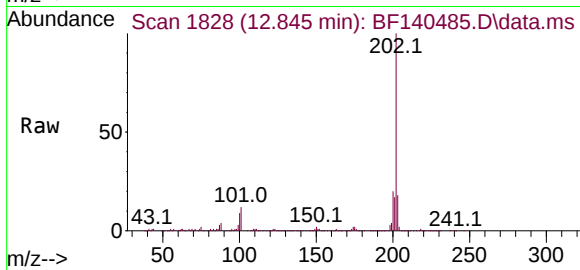
Tgt Ion:202 Resp: 222754

Ion Ratio Lower Upper

202 100

200 20.0 16.2 24.2

203 18.4 14.2 21.4



#79

Terphenyl-d14

Concen: 57.291 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF140485.D

Acq: 19 Nov 2024 20:20

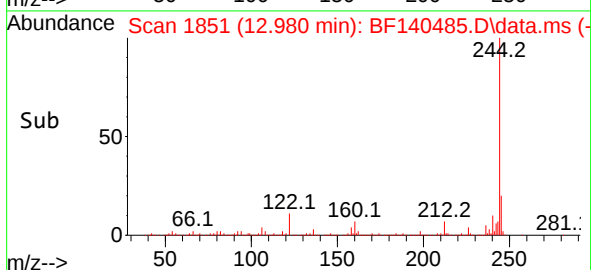
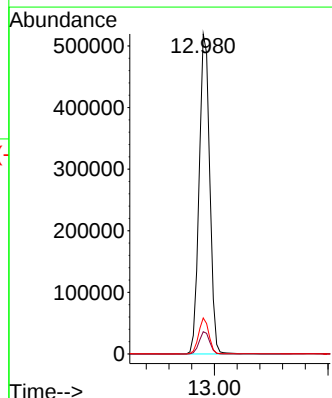
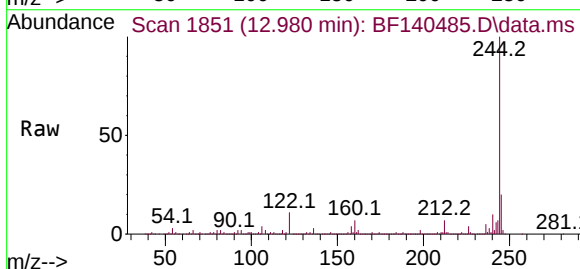
Tgt Ion:244 Resp: 675321

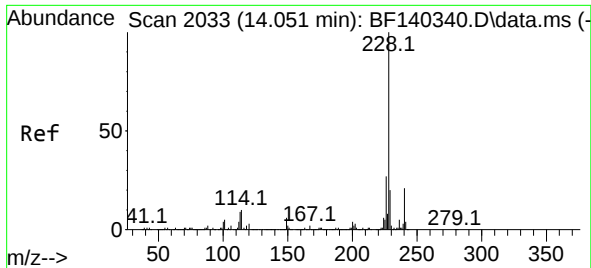
Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

122 11.3 8.8 13.2

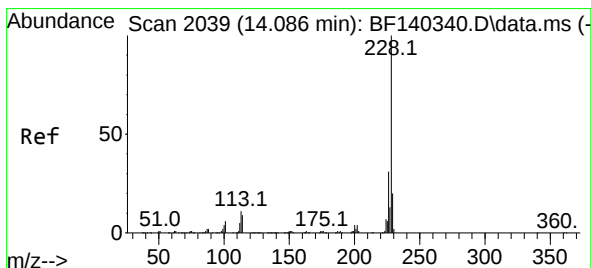
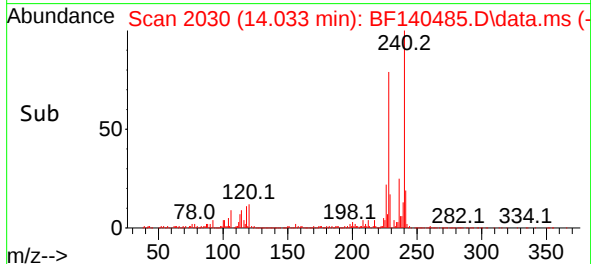
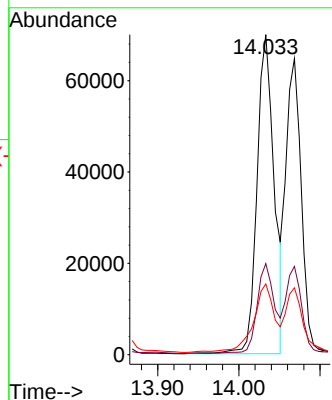
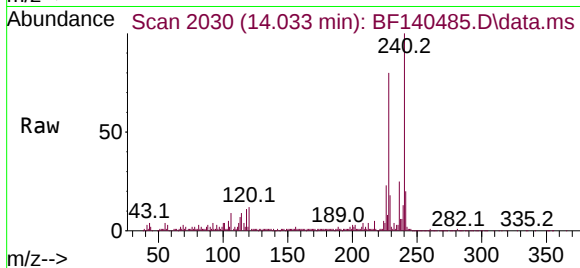




#81
Benzo(a)anthracene
Concen: 7.653 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF140485.D
Acq: 19 Nov 2024 20:20

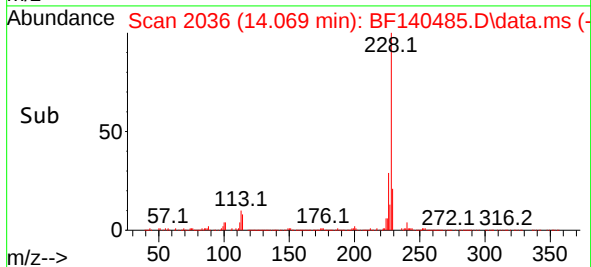
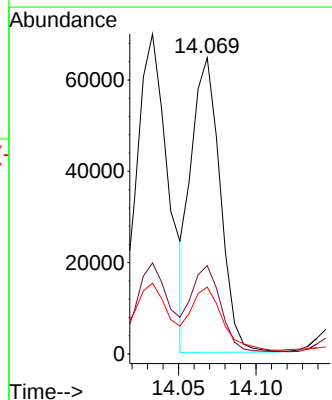
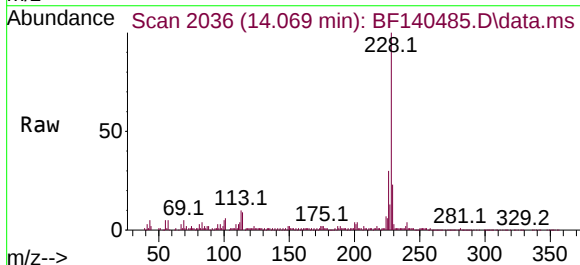
Instrument :
BNA_F
ClientSampleId :
SP-2

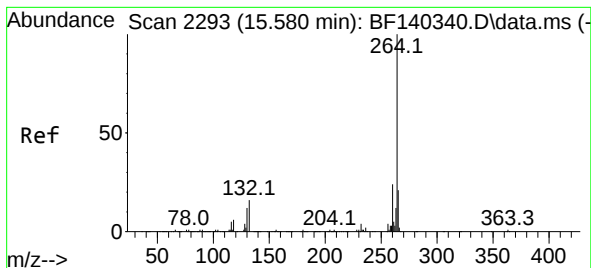
Tgt Ion:228 Resp: 102909
Ion Ratio Lower Upper
228 100
226 28.5 22.2 33.4
229 22.1 15.8 23.6



#83
Chrysene
Concen: 6.848 ng
RT: 14.069 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF140485.D
Acq: 19 Nov 2024 20:20

Tgt Ion:228 Resp: 84023
Ion Ratio Lower Upper
228 100
226 29.8 24.5 36.7
229 22.6 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF140485.D

Acq: 19 Nov 2024 20:20

Instrument :

BNA_F

ClientSampleId :

SP-2

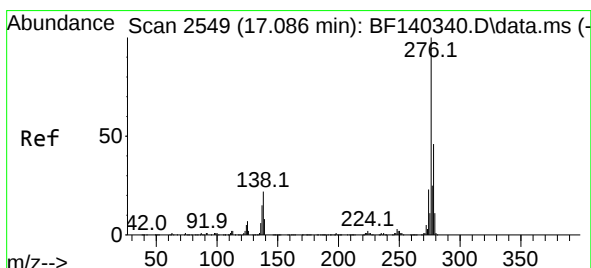
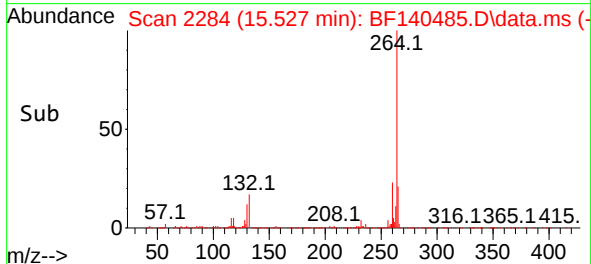
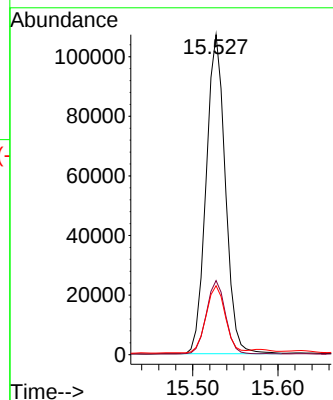
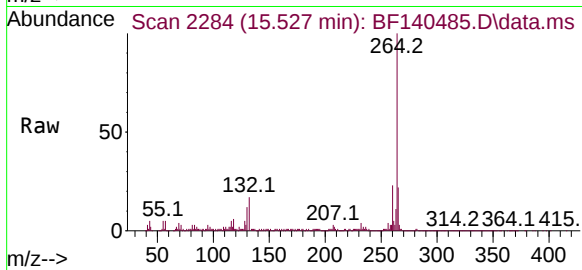
Tgt Ion:264 Resp: 167630

Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

265 21.6 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.529 ng

RT: 17.027 min Scan# 2539

Delta R.T. -0.029 min

Lab File: BF140485.D

Acq: 19 Nov 2024 20:20

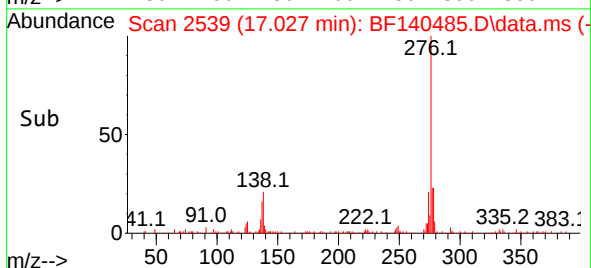
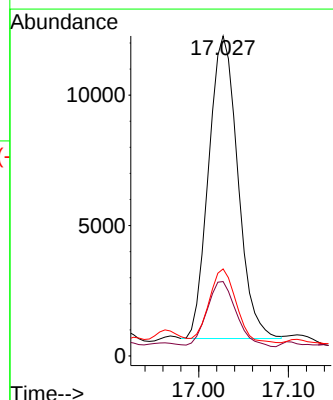
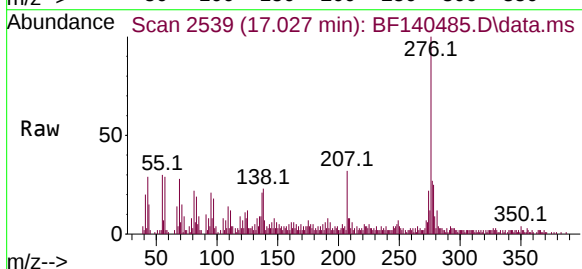
Tgt Ion:276 Resp: 26190

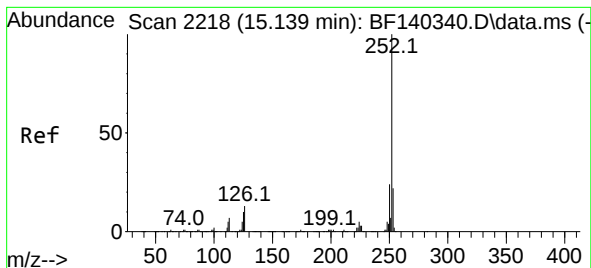
Ion Ratio Lower Upper

276 100

138 21.5 18.8 28.2

277 24.6 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 7.386 ng m

RT: 15.092 min Scan# 2210

Delta R.T. -0.024 min

Lab File: BF140485.D

Acq: 19 Nov 2024 20:20

Instrument :

BNA_F

ClientSampleId :

SP-2

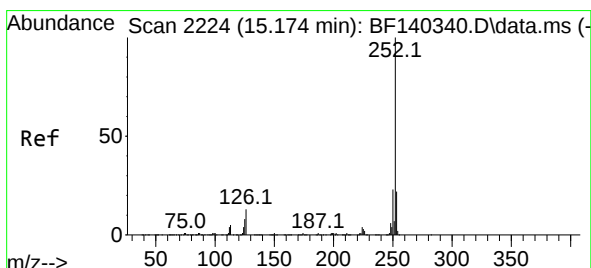
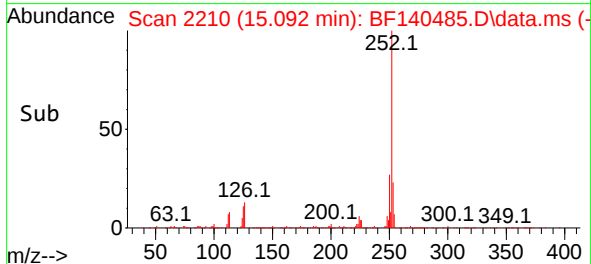
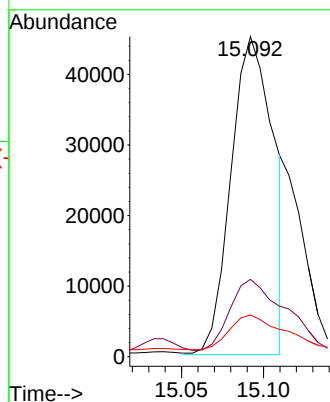
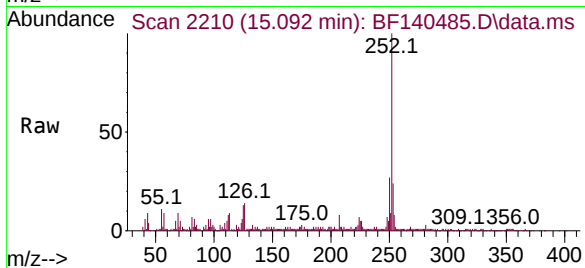
Tgt Ion:252 Resp: 80993

Ion Ratio Lower Upper

252 100

253 24.1 17.5 26.3

125 13.1 8.0 12.0#



#89

Benzo(k)fluoranthene

Concen: 2.718 ng m

RT: 15.110 min Scan# 2213

Delta R.T. -0.041 min

Lab File: BF140485.D

Acq: 19 Nov 2024 20:20

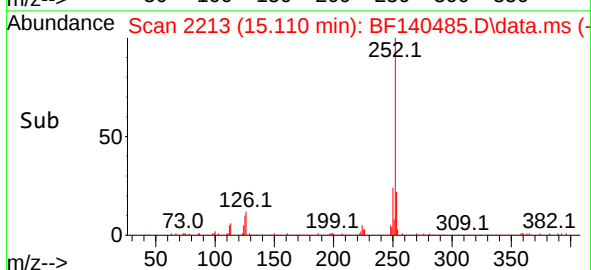
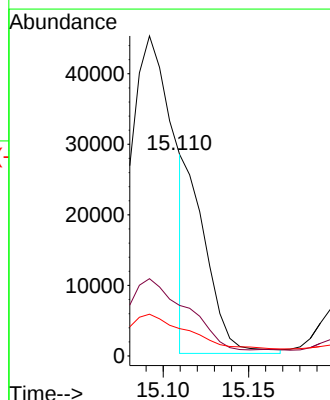
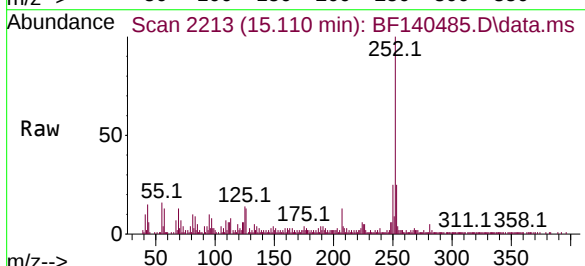
Tgt Ion:252 Resp: 24351

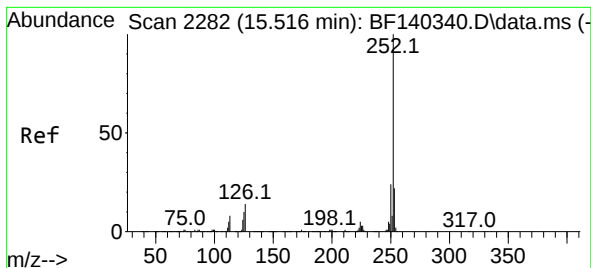
Ion Ratio Lower Upper

252 100

253 25.1 17.3 25.9

125 13.5 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 6.219 ng

RT: 15.463 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF140485.D

Acq: 19 Nov 2024 20:20

Instrument :

BNA_F

ClientSampleId :

SP-2

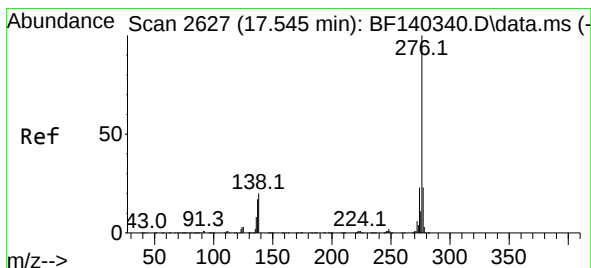
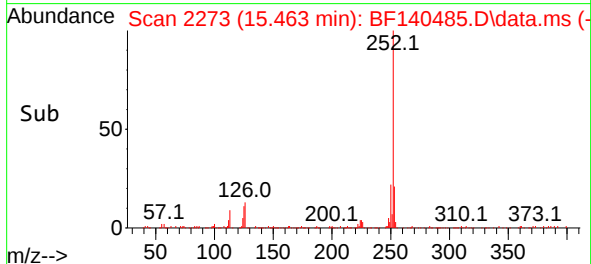
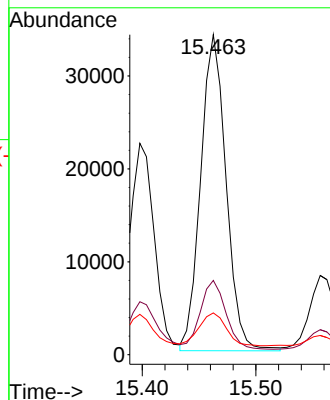
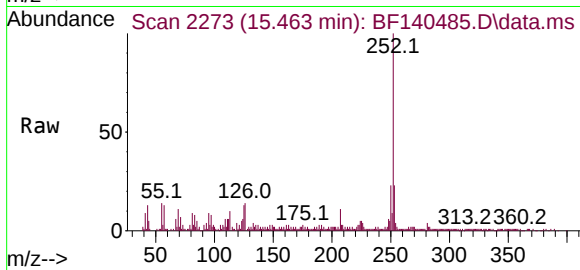
Tgt Ion:252 Resp: 52955

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.6

125 13.0 8.4 12.6#



#92

Benzo(g,h,i)perylene

Concen: 2.847 ng

RT: 17.480 min Scan# 2616

Delta R.T. -0.035 min

Lab File: BF140485.D

Acq: 19 Nov 2024 20:20

Tgt Ion:276 Resp: 24915

Ion Ratio Lower Upper

276 100

277 26.1 18.6 28.0

138 22.3 16.0 24.0

