

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
 Data File : BF140483.D
 Acq On : 19 Nov 2024 19:28
 Operator : RC/JU
 Sample : P4859-01RE
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-111424RE

Quant Time: Nov 20 00:11:19 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)

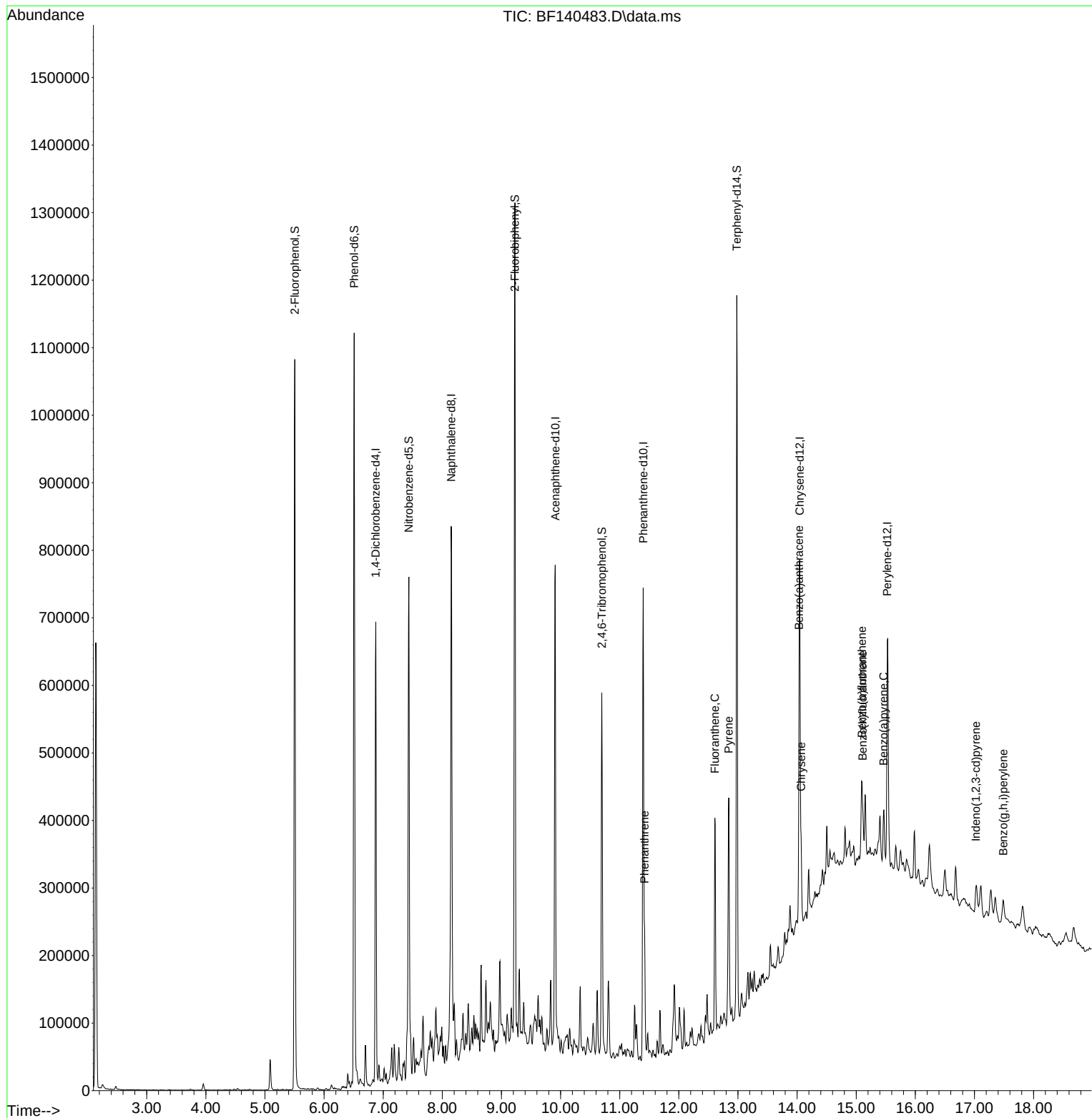
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	145029	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	491046	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	220477	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	369942	20.000	ng	0.00
76) Chrysene-d12	14.045	240	228780	20.000	ng	0.00
86) Perylene-d12	15.527	264	192568	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	416112	48.988	ng	0.01
7) Phenol-d6	6.510	99	538002	46.749	ng	0.00
23) Nitrobenzene-d5	7.433	82	331326	35.156	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	90799	41.414	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	580616	42.334	ng	0.00
79) Terphenyl-d14	12.980	244	518921	39.371	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.421	178	95865	5.516	ng	99
75) Fluoranthene	12.610	202	195973	10.051	ng	99
78) Pyrene	12.845	202	180207	9.209	ng	99
81) Benzo(a)anthracene	14.033	228	71660	4.766	ng	95
83) Chrysene	14.068	228	65009	4.739	ng	96
87) Indeno(1,2,3-cd)pyrene	17.027	276	28619	2.406	ng	95
88) Benzo(b)fluoranthene	15.098	252	69693m	5.533	ng	
89) Benzo(k)fluoranthene	15.109	252	25068m	2.436	ng	
90) Benzo(a)pyrene	15.462	252	45891	4.691	ng	# 89
92) Benzo(g,h,i)perylene	17.486	276	27690	2.755	ng	# 90

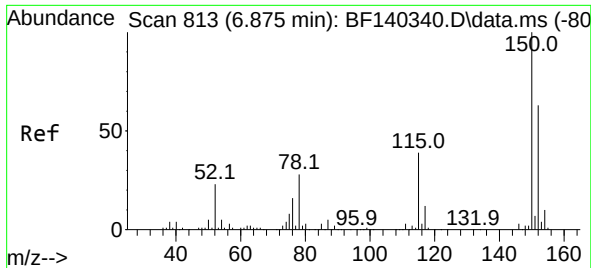
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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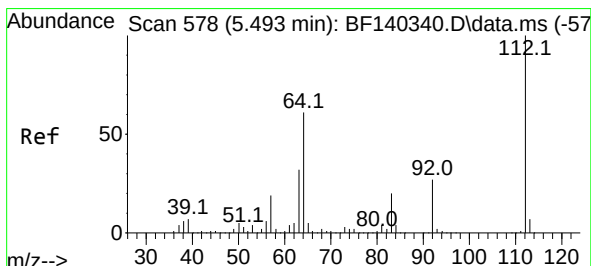
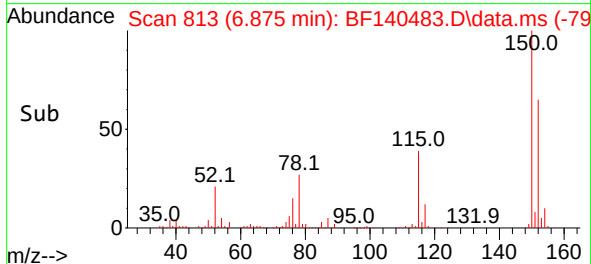
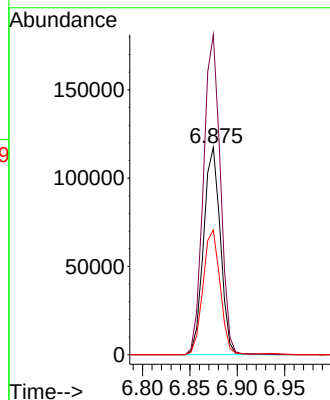
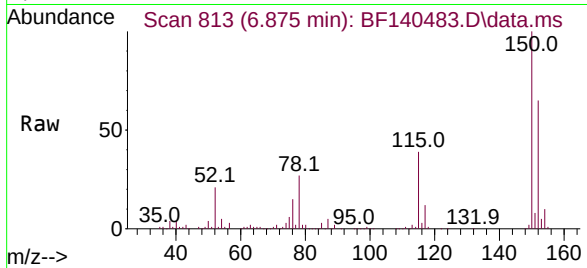




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140483.D
Acq: 19 Nov 2024 19:28

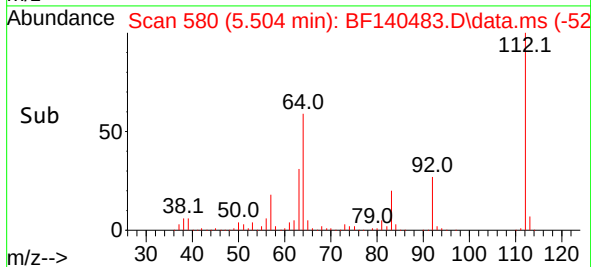
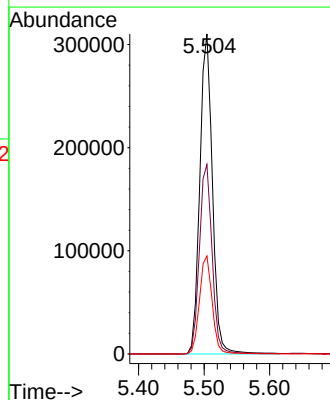
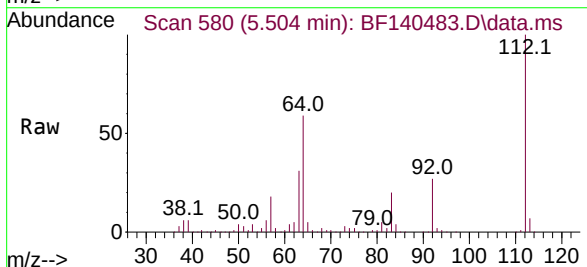
Instrument :
BNA_F
ClientSampleId :
NB-08-111424RE

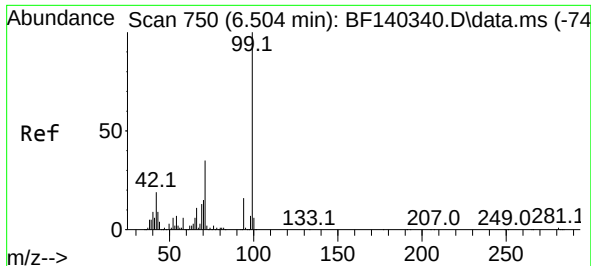
Tgt Ion:152 Resp: 145029
Ion Ratio Lower Upper
152 100
150 154.3 127.4 191.0
115 60.1 47.4 71.2



#5
2-Fluorophenol
Concen: 48.988 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140483.D
Acq: 19 Nov 2024 19:28

Tgt Ion:112 Resp: 416112
Ion Ratio Lower Upper
112 100
64 59.2 49.2 73.8
63 30.6 25.6 38.4





#7

Phenol-d6

Concen: 46.749 ng

RT: 6.510 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF140483.D

Acq: 19 Nov 2024 19:28

Instrument :

BNA_F

ClientSampleId :

NB-08-111424RE

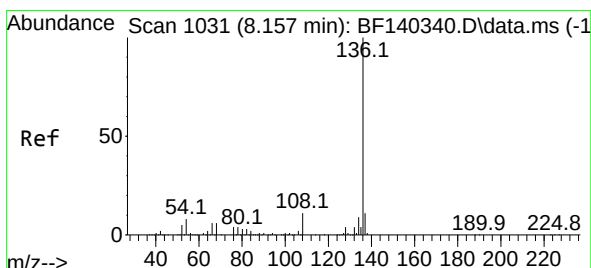
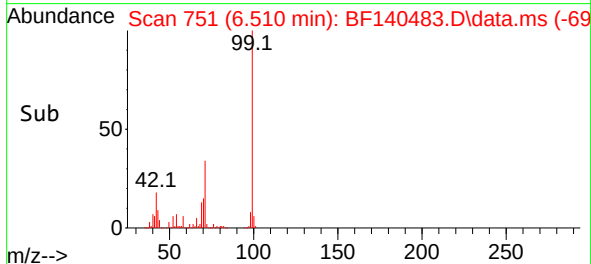
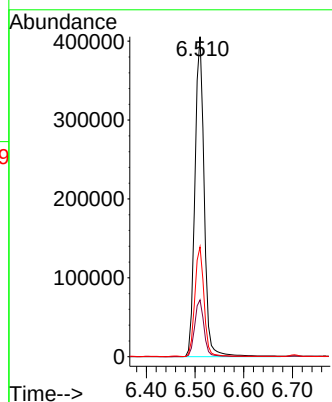
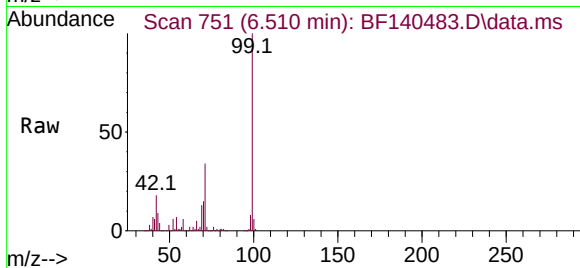
Tgt Ion: 99 Resp: 538002

Ion Ratio Lower Upper

99 100

42 17.7 15.1 22.7

71 34.3 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: BF140483.D

Acq: 19 Nov 2024 19:28

Tgt Ion: 136 Resp: 491046

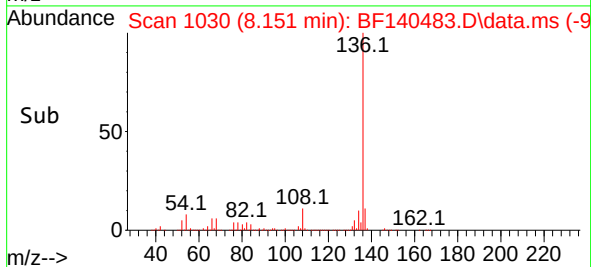
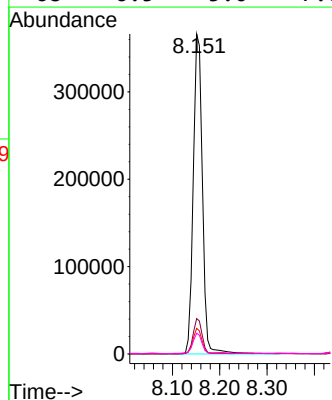
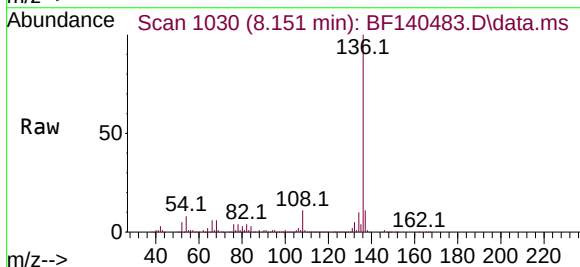
Ion Ratio Lower Upper

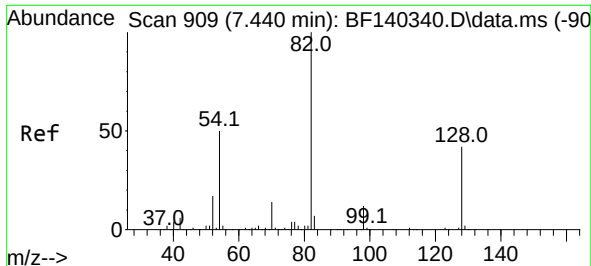
136 100

137 11.1 8.7 13.1

54 8.0 6.5 9.7

68 6.5 5.0 7.6

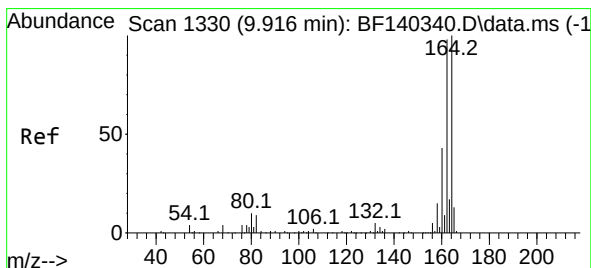
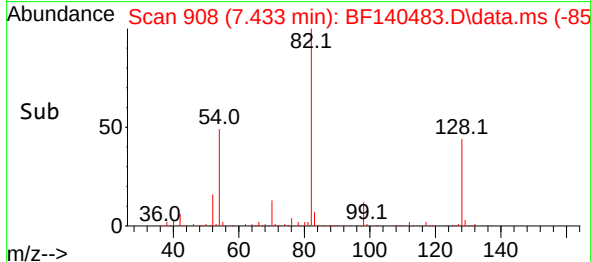
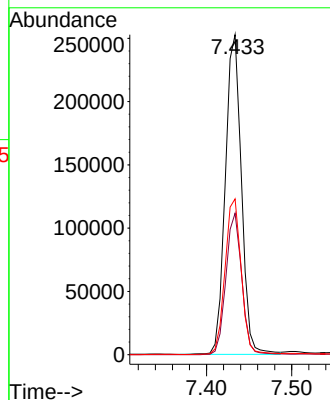
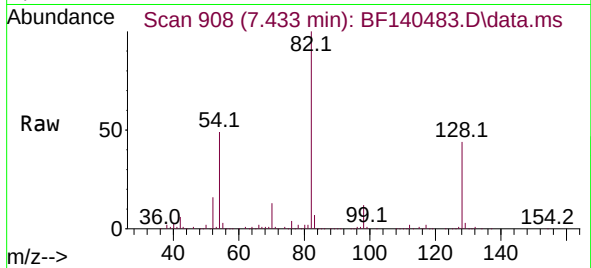




#23
Nitrobenzene-d5
Concen: 35.156 ng
RT: 7.433 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF140483.D
Acq: 19 Nov 2024 19:28

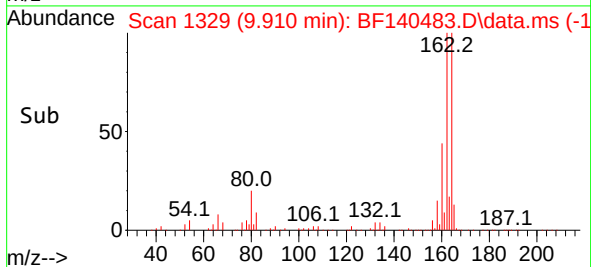
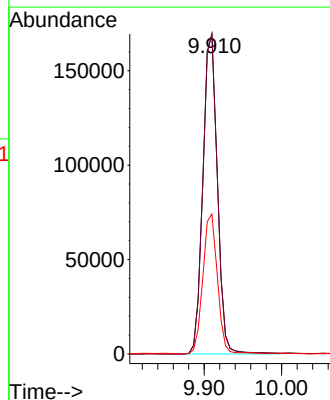
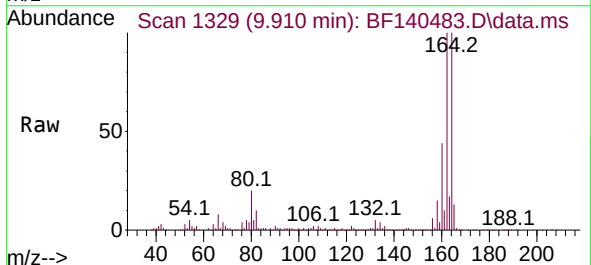
Instrument :
BNA_F
ClientSampleId :
NB-08-111424RE

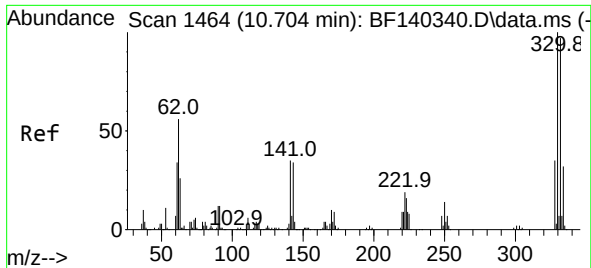
Tgt Ion: 82 Resp: 331326
Ion Ratio Lower Upper
82 100
128 44.2 33.3 49.9
54 48.7 39.8 59.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF140483.D
Acq: 19 Nov 2024 19:28

Tgt Ion:164 Resp: 220477
Ion Ratio Lower Upper
164 100
162 99.9 79.8 119.8
160 43.7 35.4 53.0

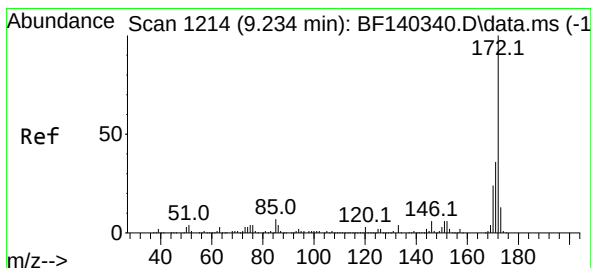
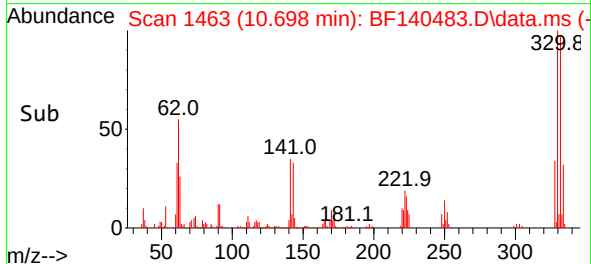
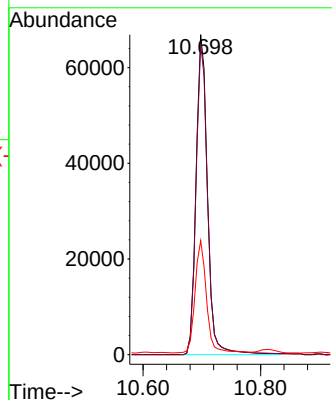
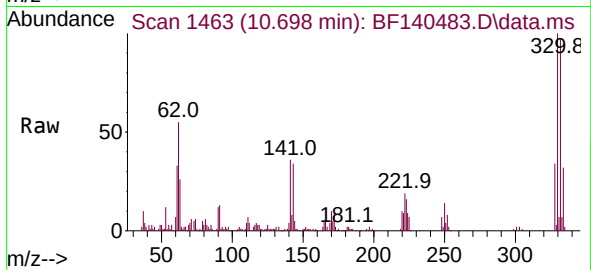




#42
2,4,6-Tribromophenol
Concen: 41.414 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140483.D
Acq: 19 Nov 2024 19:28

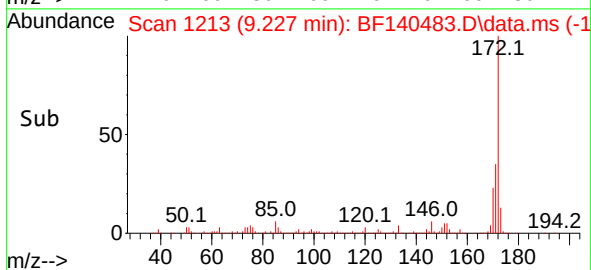
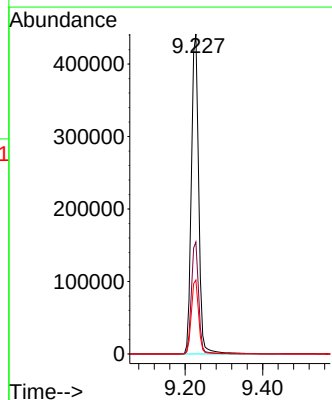
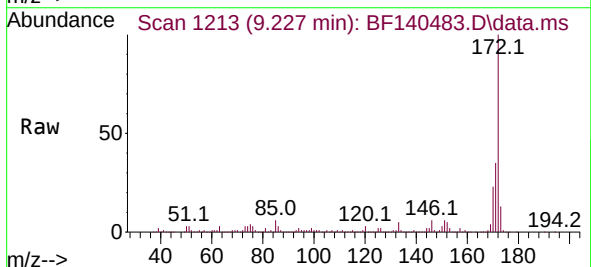
Instrument :
BNA_F
ClientSampleId :
NB-08-111424RE

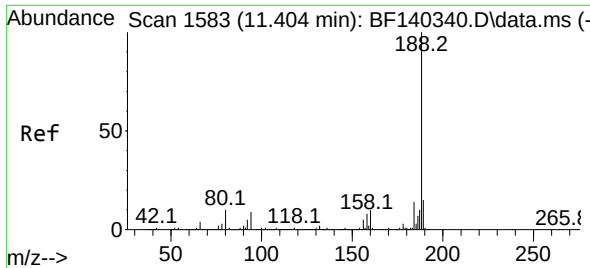
Tgt Ion:330 Resp: 90799
Ion Ratio Lower Upper
330 100
332 98.1 75.9 113.9
141 35.1 26.9 40.3



#45
2-Fluorobiphenyl
Concen: 42.334 ng
RT: 9.227 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140483.D
Acq: 19 Nov 2024 19:28

Tgt Ion:172 Resp: 580616
Ion Ratio Lower Upper
172 100
171 35.0 28.5 42.7
170 23.1 19.1 28.7

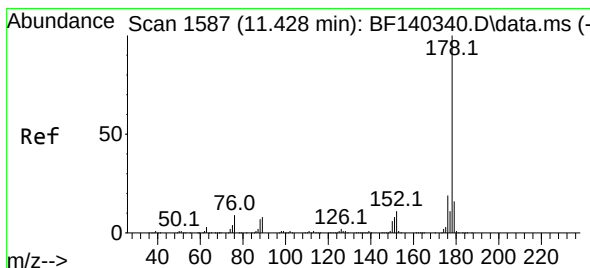
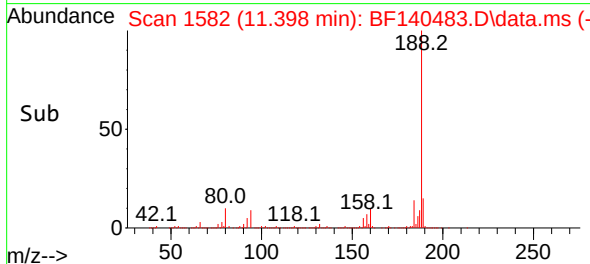
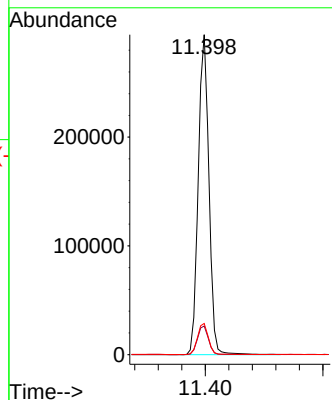
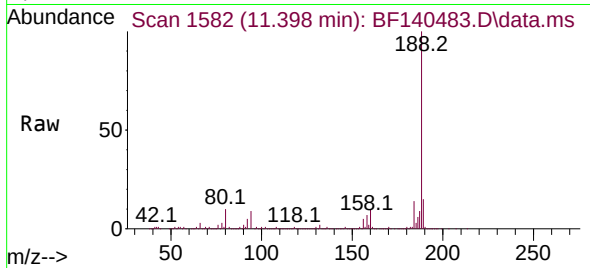




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140483.D
Acq: 19 Nov 2024 19:28

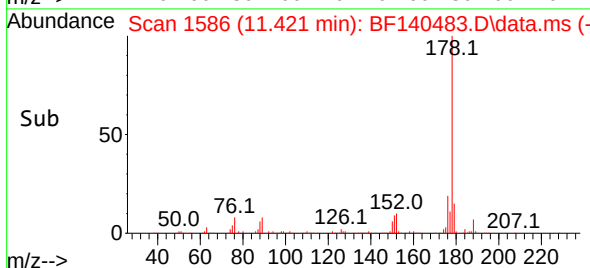
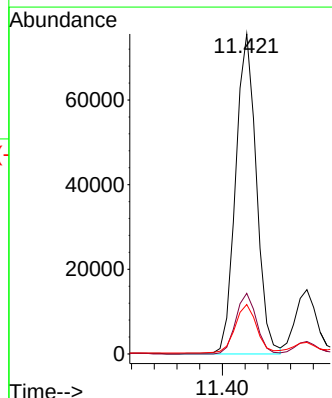
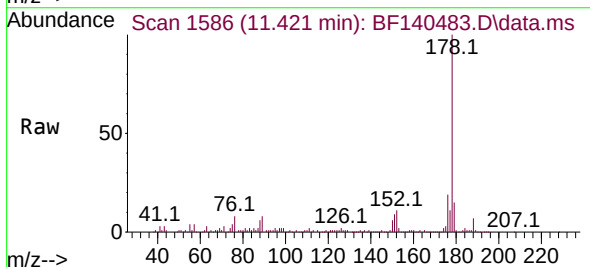
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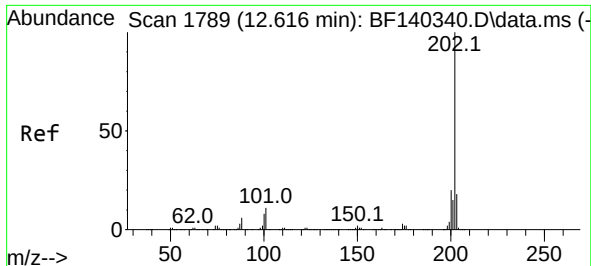
Tgt Ion:188 Resp: 369942
Ion Ratio Lower Upper
188 100
94 9.0 7.6 11.4
80 9.7 8.0 12.0



#71
Phenanthrene
Concen: 5.516 ng
RT: 11.421 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF140483.D
Acq: 19 Nov 2024 19:28

Tgt Ion:178 Resp: 95865
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.4 12.4 18.6

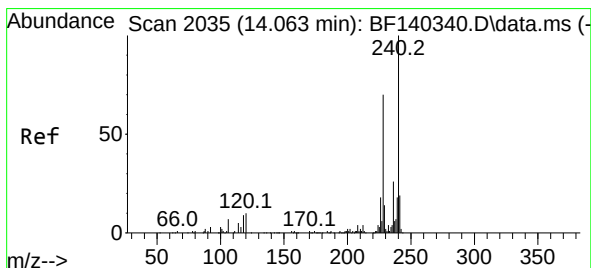
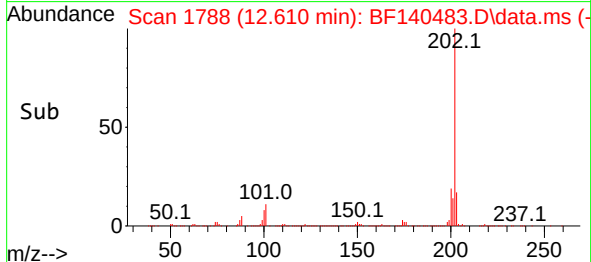
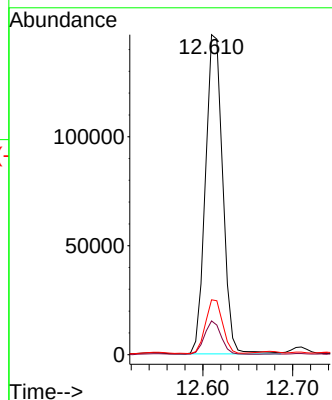
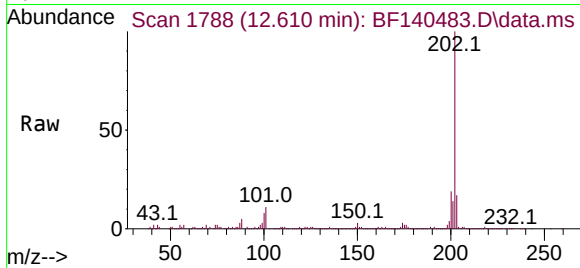




#75
Fluoranthene
Concen: 10.051 ng
RT: 12.610 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF140483.D
Acq: 19 Nov 2024 19:28

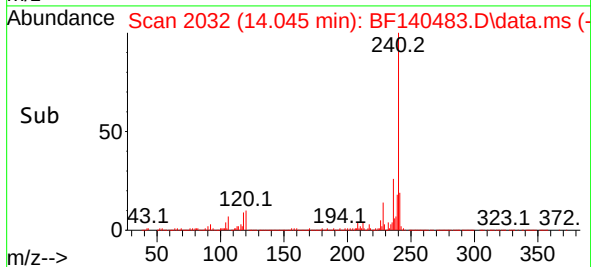
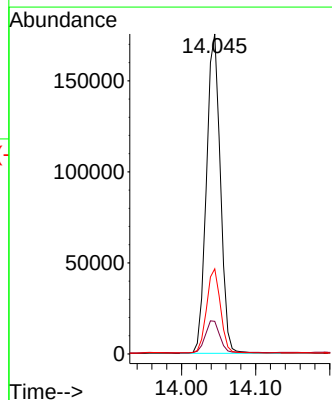
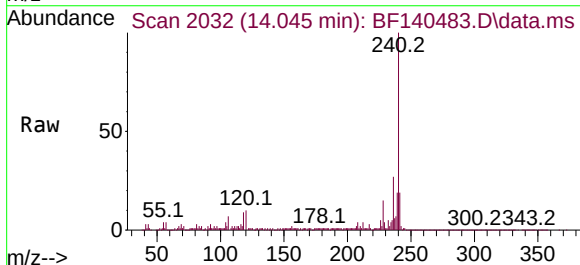
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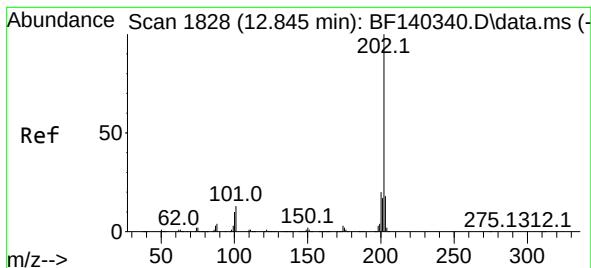
Tgt Ion:202 Resp: 195973
Ion Ratio Lower Upper
202 100
101 10.5 0.0 30.7
203 17.2 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140483.D
Acq: 19 Nov 2024 19:28

Tgt Ion:240 Resp: 228780
Ion Ratio Lower Upper
240 100
120 10.2 8.8 13.2
236 26.6 20.9 31.3





#78

Pyrene

Concen: 9.209 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.000 min

Lab File: BF140483.D

Acq: 19 Nov 2024 19:28

Instrument :

BNA_F

ClientSampleId :

NB-08-111424RE

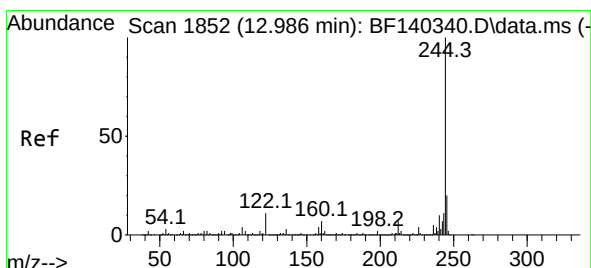
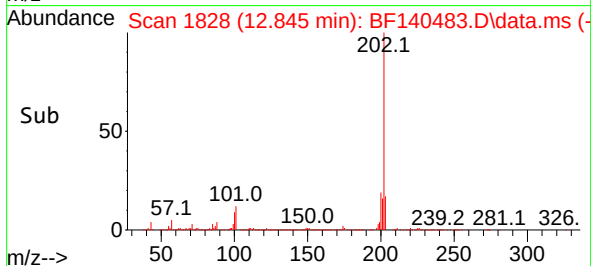
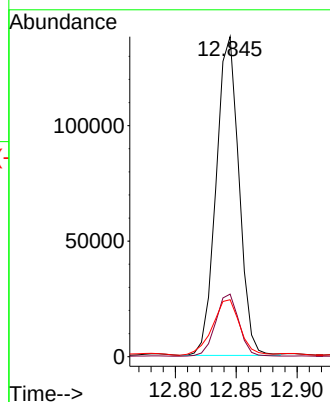
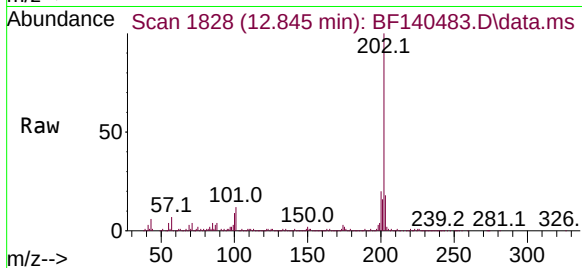
Tgt Ion:202 Resp: 180207

Ion Ratio Lower Upper

202 100

200 19.5 16.2 24.2

203 17.8 14.2 21.4



#79

Terphenyl-d14

Concen: 39.371 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF140483.D

Acq: 19 Nov 2024 19:28

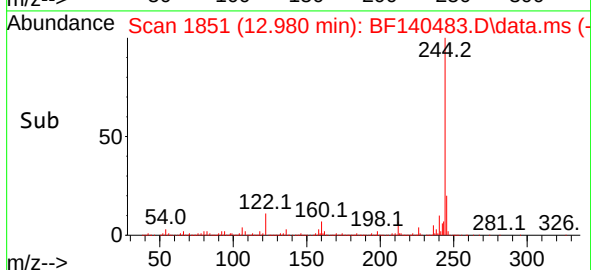
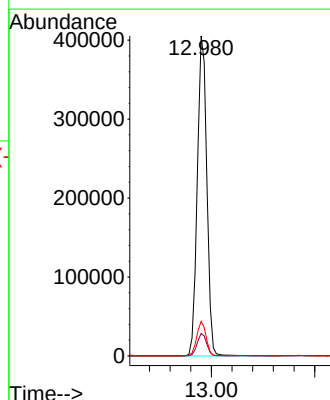
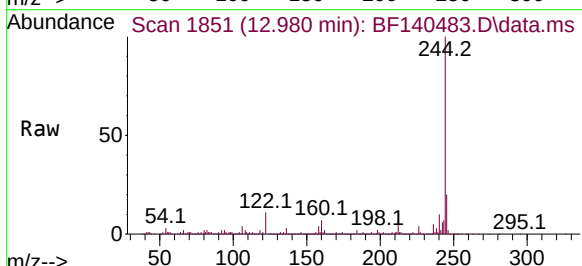
Tgt Ion:244 Resp: 518921

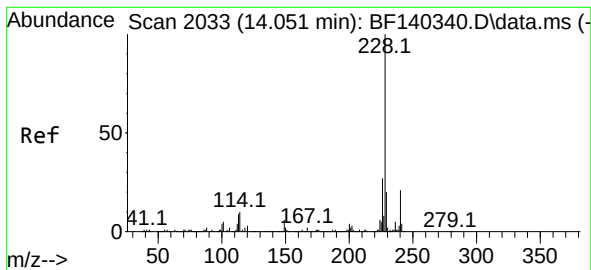
Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

122 10.8 8.8 13.2





#81

Benzo(a)anthracene

Concen: 4.766 ng

RT: 14.033 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF140483.D

Acq: 19 Nov 2024 19:28

Instrument :

BNA_F

ClientSampleId :

NB-08-111424RE

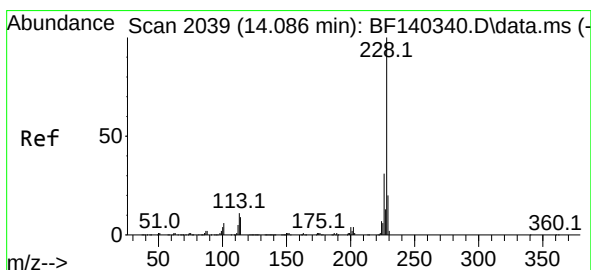
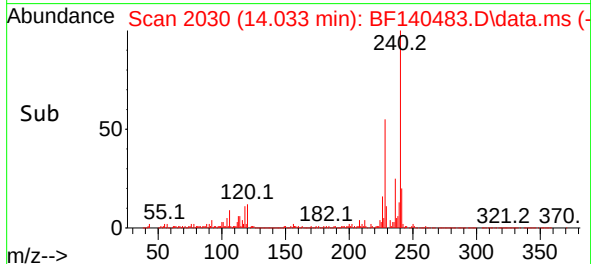
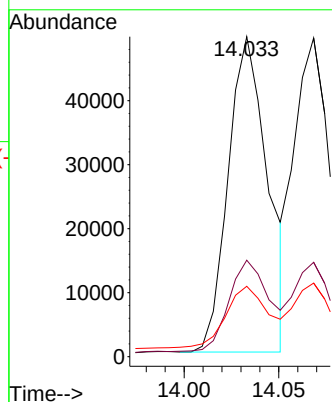
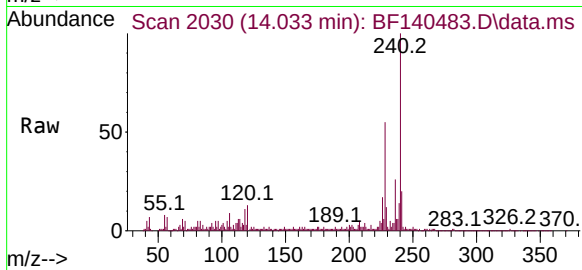
Tgt Ion:228 Resp: 71660

Ion Ratio Lower Upper

228 100

226 30.2 22.2 33.4

229 22.0 15.8 23.6



#83

Chrysene

Concen: 4.739 ng

RT: 14.068 min Scan# 2036

Delta R.T. -0.012 min

Lab File: BF140483.D

Acq: 19 Nov 2024 19:28

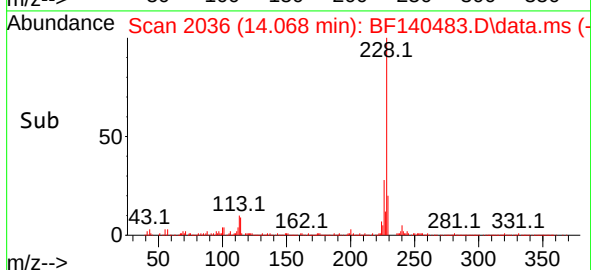
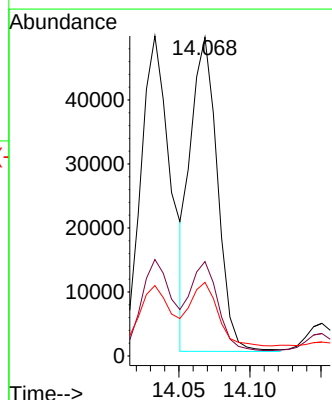
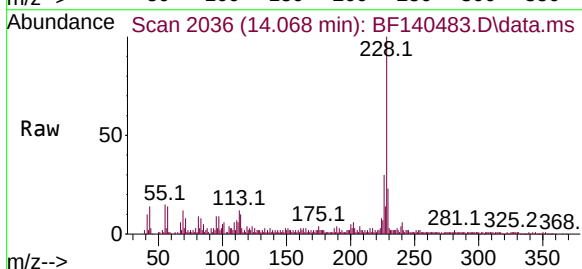
Tgt Ion:228 Resp: 65009

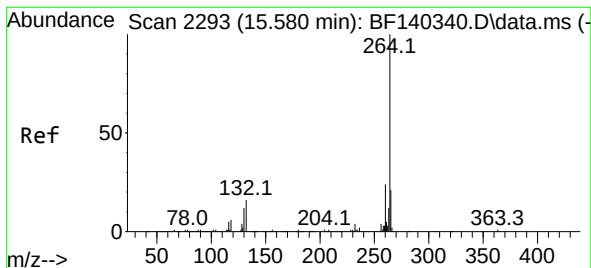
Ion Ratio Lower Upper

228 100

226 29.6 24.5 36.7

229 23.1 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 21

Delta R.T. -0.030 min

Lab File: BF140483.D

Acq: 19 Nov 2024 19:28

Instrument :

BNA_F

ClientSampleId :

NB-08-111424RE

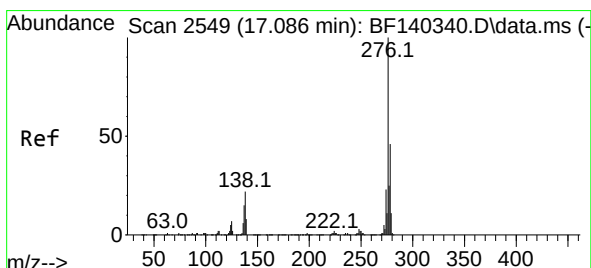
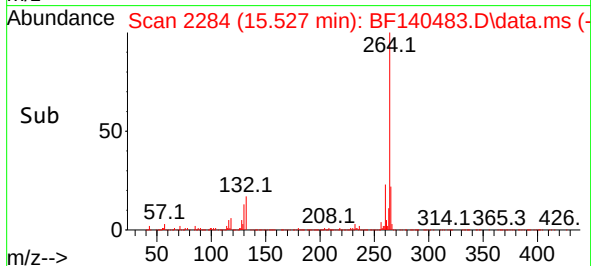
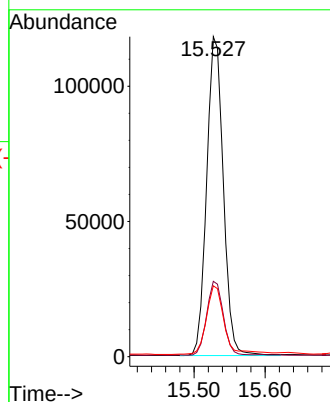
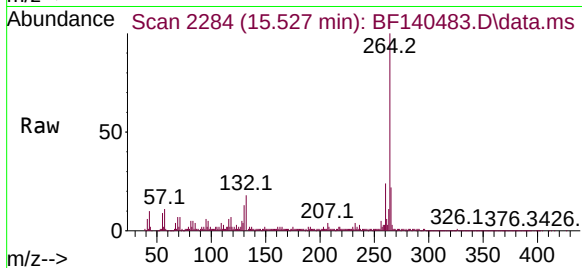
Tgt Ion:264 Resp: 192568

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 22.1 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.406 ng

RT: 17.027 min Scan# 2539

Delta R.T. -0.030 min

Lab File: BF140483.D

Acq: 19 Nov 2024 19:28

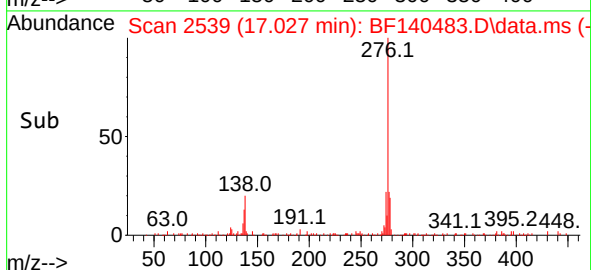
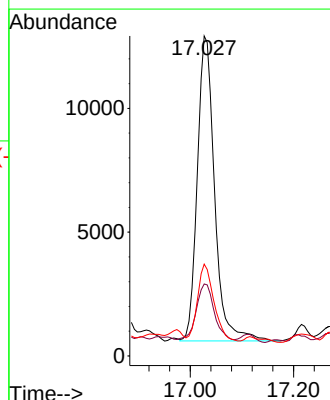
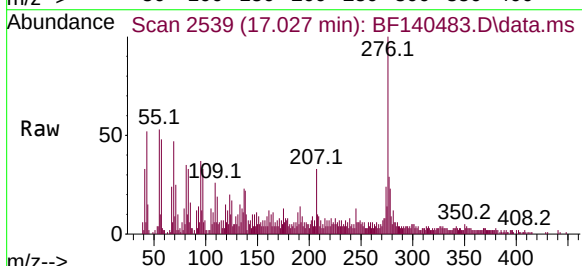
Tgt Ion:276 Resp: 28619

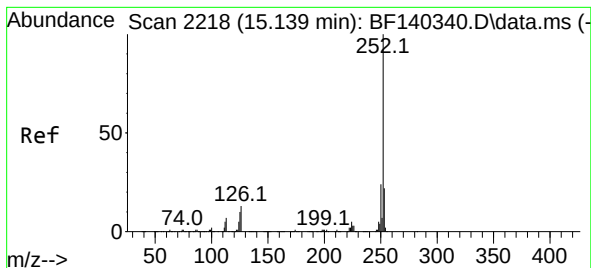
Ion Ratio Lower Upper

276 100

138 20.2 18.8 28.2

277 23.7 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 5.533 ng m

RT: 15.098 min Scan# 2111

Delta R.T. -0.018 min

Lab File: BF140483.D

Acq: 19 Nov 2024 19:28

Instrument :

BNA_F

ClientSampleId :

NB-08-111424RE

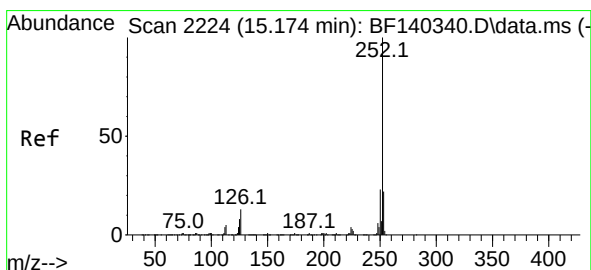
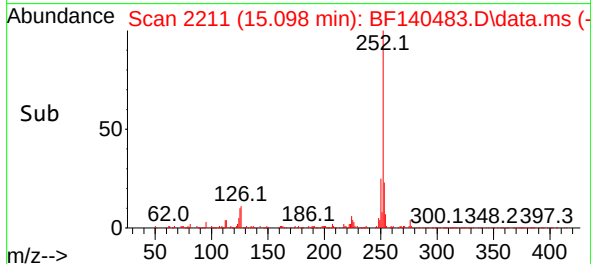
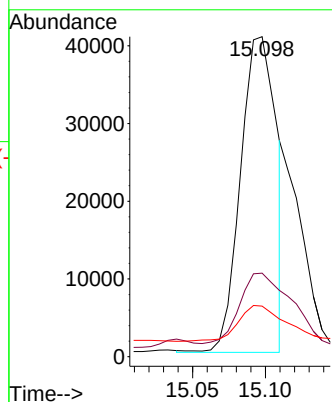
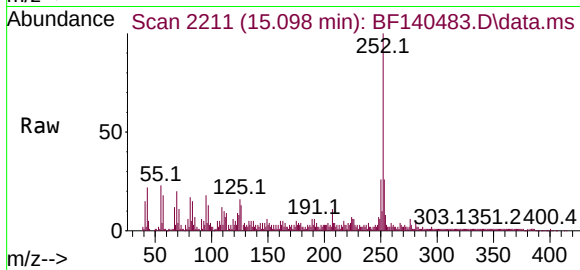
Tgt Ion:252 Resp: 69693

Ion Ratio Lower Upper

252 100

253 26.1 17.5 26.3

125 15.8 8.0 12.0#



#89

Benzo(k)fluoranthene

Concen: 2.436 ng m

RT: 15.109 min Scan# 2213

Delta R.T. -0.041 min

Lab File: BF140483.D

Acq: 19 Nov 2024 19:28

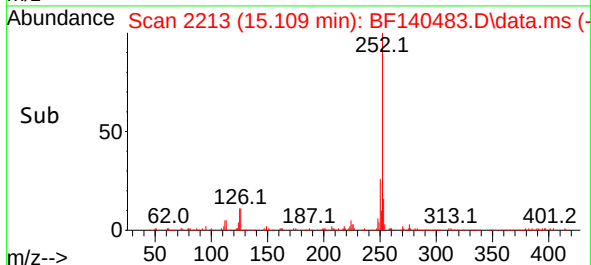
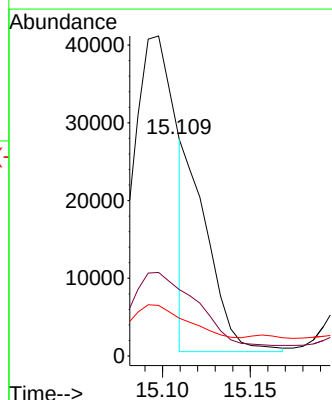
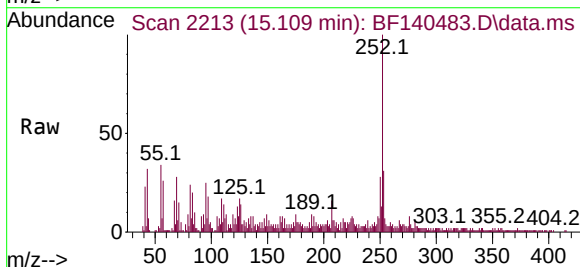
Tgt Ion:252 Resp: 25068

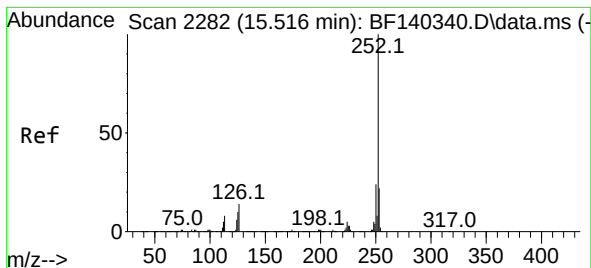
Ion Ratio Lower Upper

252 100

253 30.6 17.3 25.9#

125 17.5 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 4.691 ng

RT: 15.462 min Scan# 21

Delta R.T. -0.030 min

Lab File: BF140483.D

Acq: 19 Nov 2024 19:28

Instrument :

BNA_F

ClientSampleId :

NB-08-111424RE

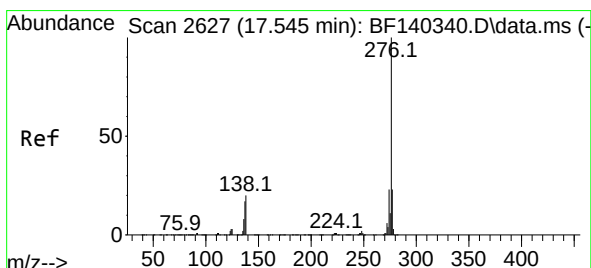
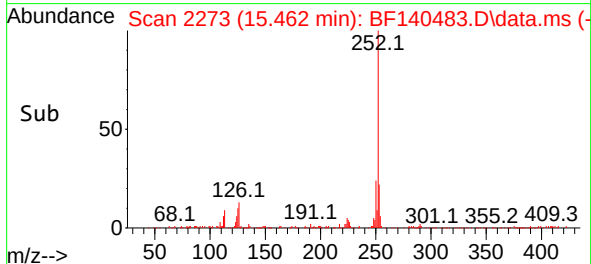
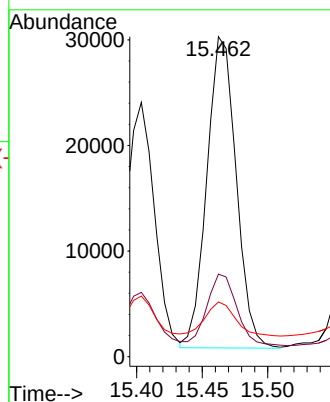
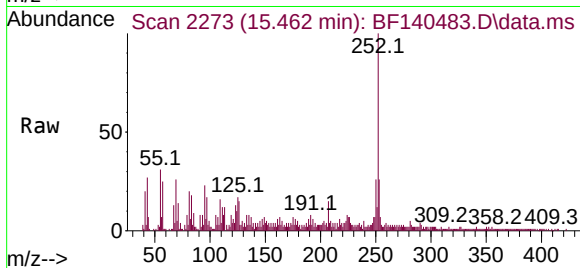
Tgt Ion:252 Resp: 45891

Ion Ratio Lower Upper

252 100

253 25.8 17.8 26.6

125 17.1 8.4 12.6#



#92

Benzo(g,h,i)perylene

Concen: 2.755 ng

RT: 17.486 min Scan# 2617

Delta R.T. -0.030 min

Lab File: BF140483.D

Acq: 19 Nov 2024 19:28

Tgt Ion:276 Resp: 27690

Ion Ratio Lower Upper

276 100

277 27.3 18.6 28.0

138 25.5 16.0 24.0#

