

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
 Data File : BF140483.D
 Acq On : 19 Nov 2024 19:28
 Operator : RC/JU
 Sample : P4859-01
 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)

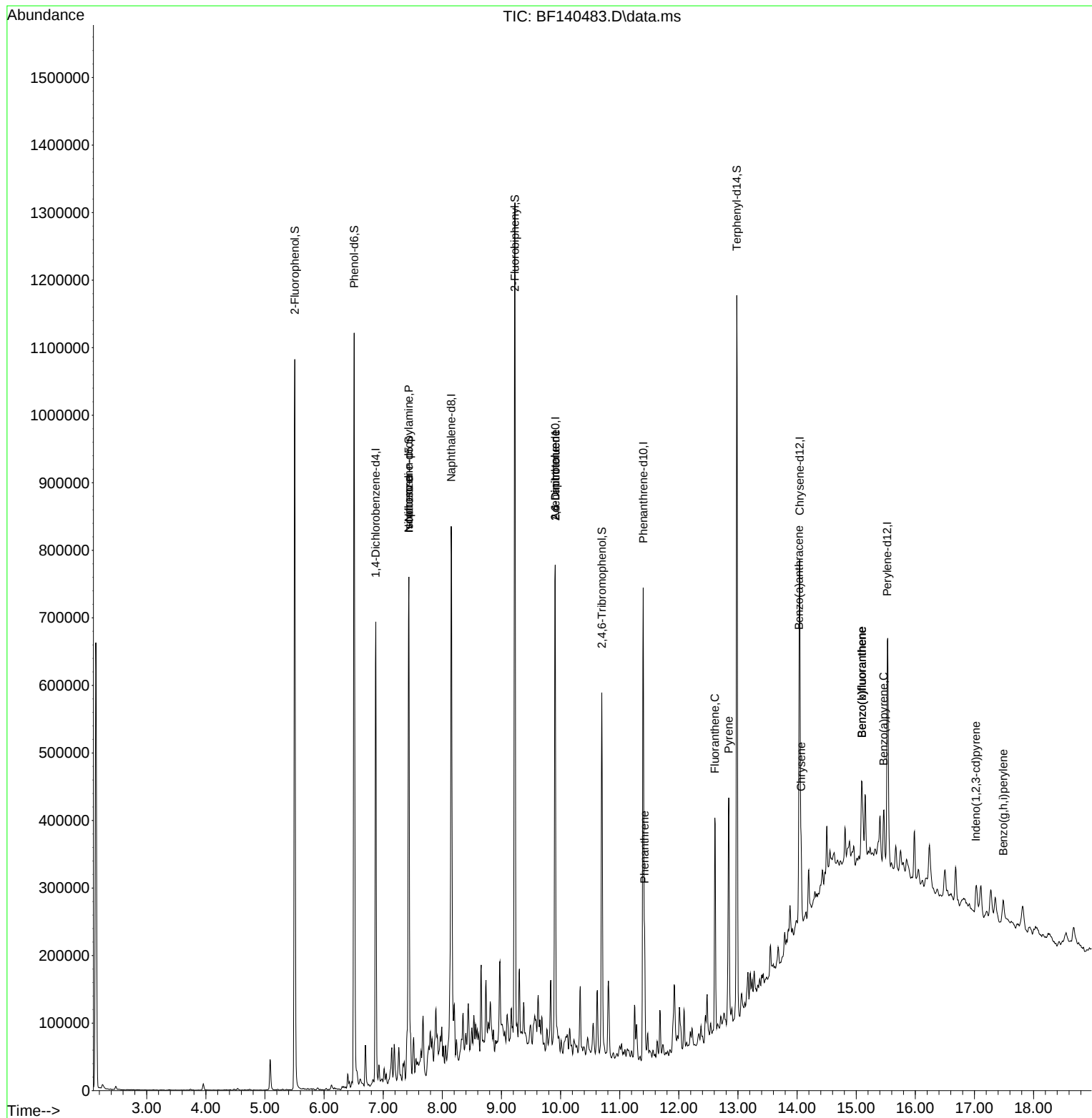
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	145029	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	491046	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	220477	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	369942	20.000	ng	0.00
76) Chrysene-d12	14.045	240	228780	20.000	ng	0.00
86) Perylene-d12	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
19) n-Nitroso-di-n-propyla...	7.433	70	47833	6.882	ng	# 78
25) Isophorone	7.433	82	325415	19.482	ng	# 67
51) 2,6-Dinitrotoluene	9.910	165	30225	9.226	ng	# 23
57) 2,4-Dinitrotoluene	9.910	165	30225	7.010	ng	# 21
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	93360	7.411	ng	# 89
89) Benzo(k)fluoranthene	15.098	252	93360	9.072	ng	# 88
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

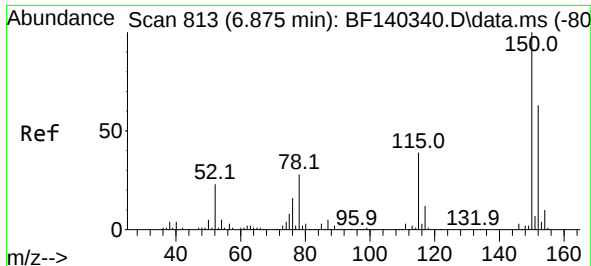
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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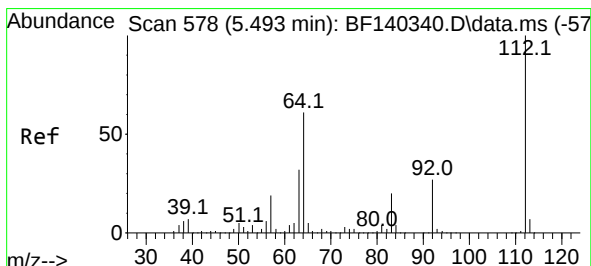
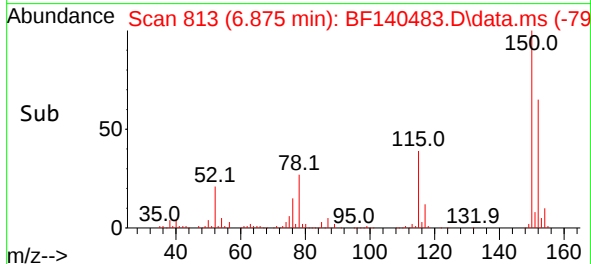
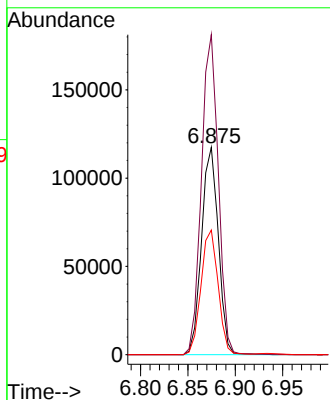
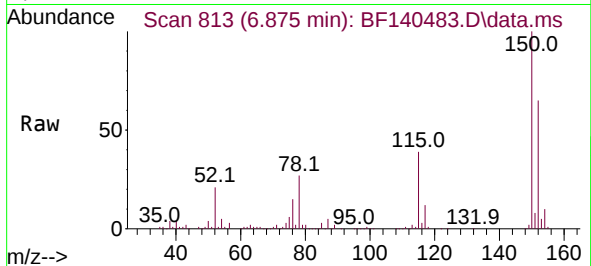




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140483.D
Acq: 19 Nov 2024 19:28

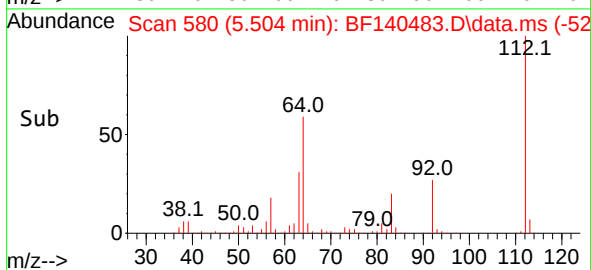
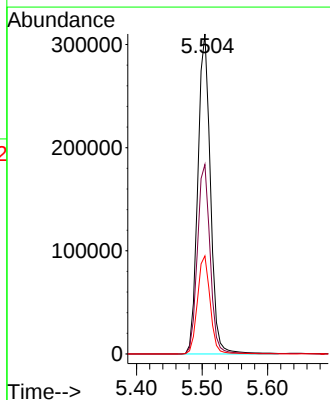
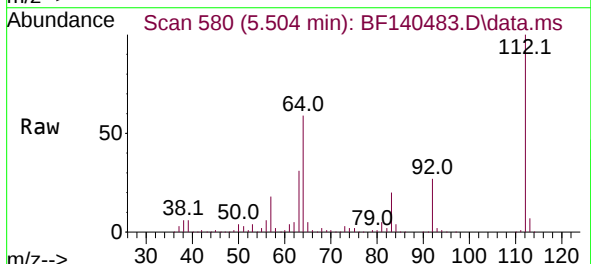
Instrument :
BNA_F
ClientSampleId :
NB-08-111424RE

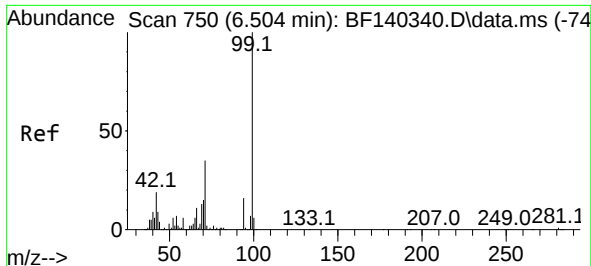
Tgt Ion:152 Resp: 145029
Ion Ratio Lower Upper
152 100
150 154.3 127.4 191.0
115 60.1 47.4 71.2



#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

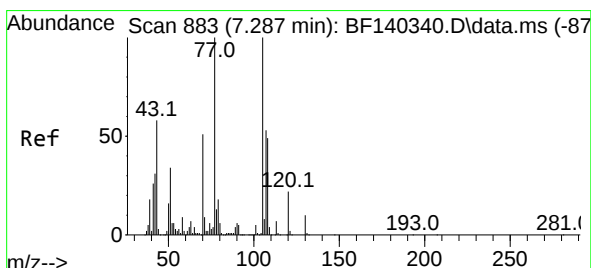
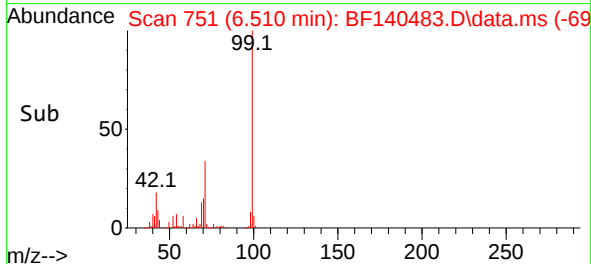
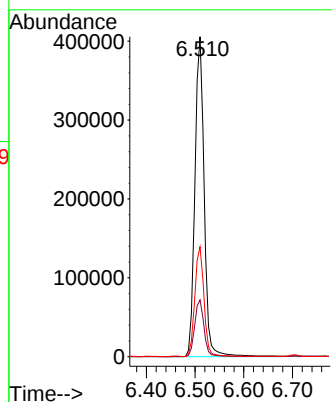
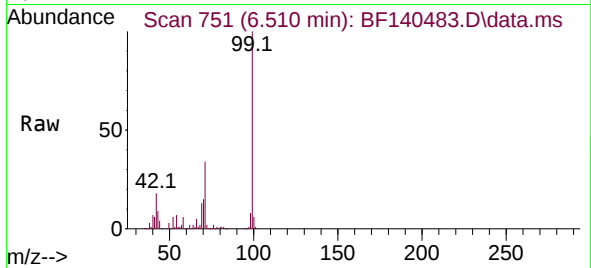




#7
Phenol-d6
Concen: 46.749 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140483.D
Acq: 19 Nov 2024 19:28

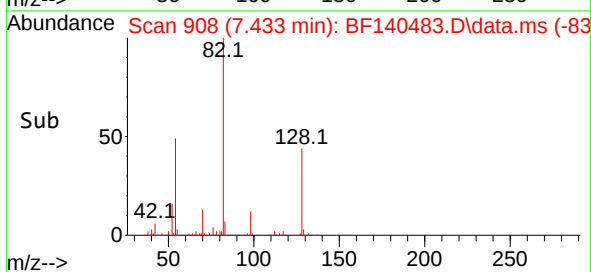
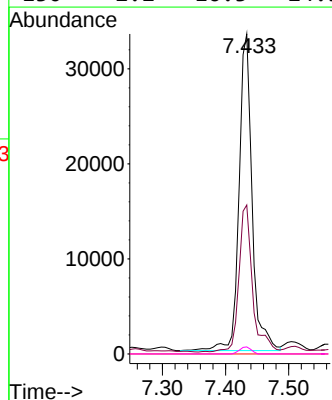
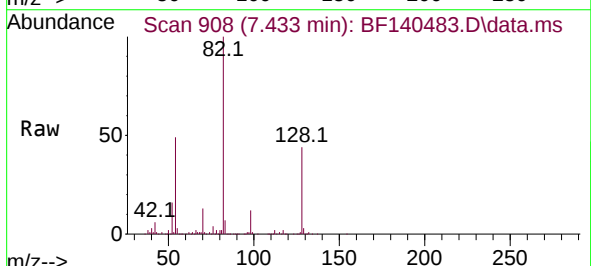
Instrument :
BNA_F
ClientSampleId :
NB-08-111424RE

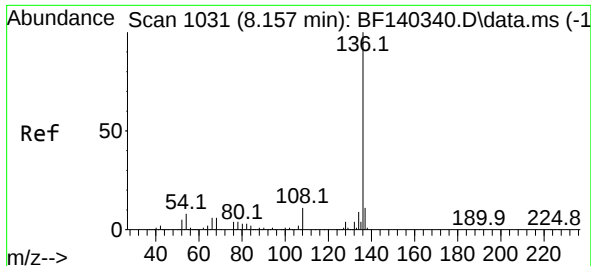
Tgt Ion: 99 Resp: 538002
Ion Ratio Lower Upper
99 100
42 17.7 15.1 22.7
71 34.3 27.9 41.9



#19
n-Nitroso-di-n-propylamine
Concen: 6.882 ng
RT: 7.433 min Scan# 908
Delta R.T. 0.141 min
Lab File: BF140483.D
Acq: 19 Nov 2024 19:28

Tgt Ion: 70 Resp: 47833
Ion Ratio Lower Upper
70 100
42 46.6 46.8 70.2#
101 0.0 7.5 11.3#
130 2.2 16.3 24.5#



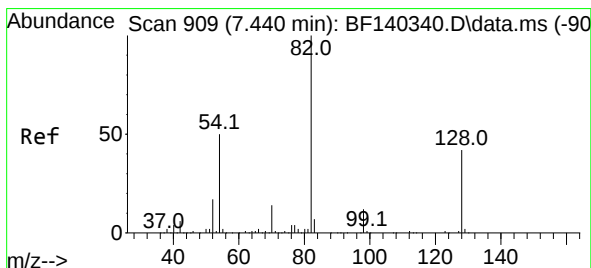
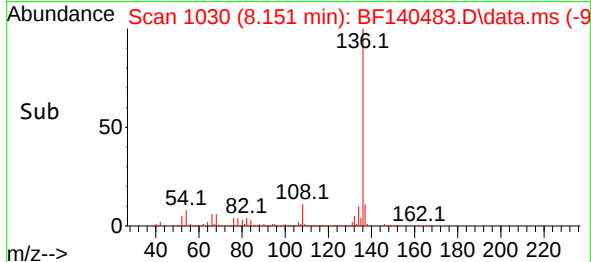
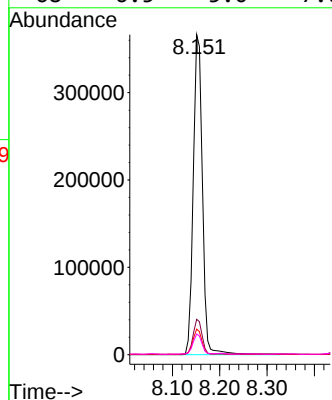
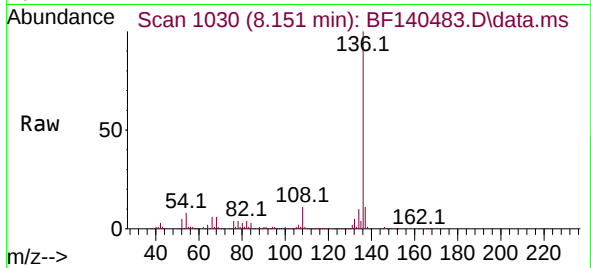


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF140483.D
Acq: 19 Nov 2024 19:28

Instrument :
BNA_F
ClientSampleId :
NB-08-111424RE

Tgt Ion:136 Resp: 491046

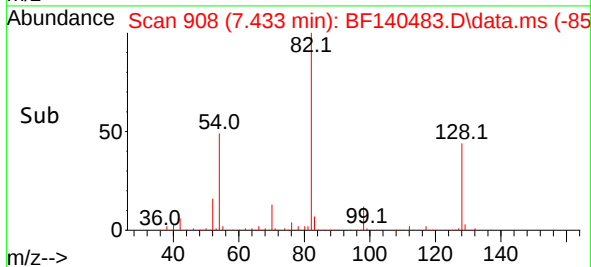
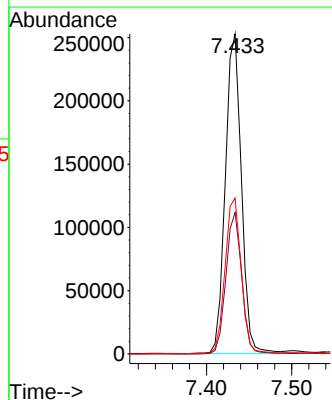
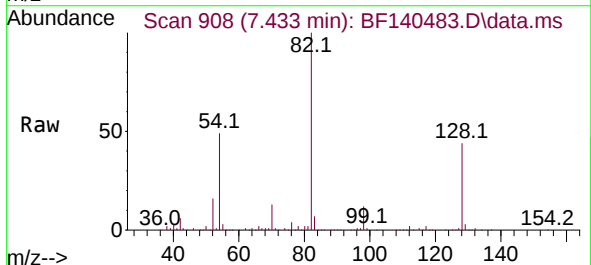
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	8.0	6.5	9.7
68	6.5	5.0	7.6

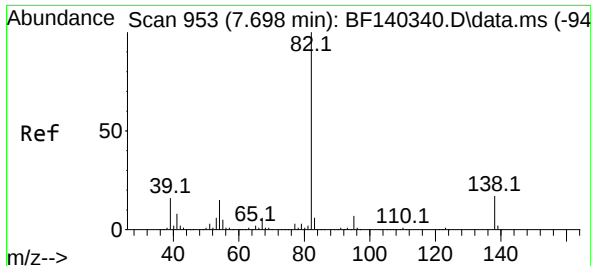


#23
Nitrobenzene-d5
Concen: 35.156 ng
RT: 7.433 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF140483.D
Acq: 19 Nov 2024 19:28

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

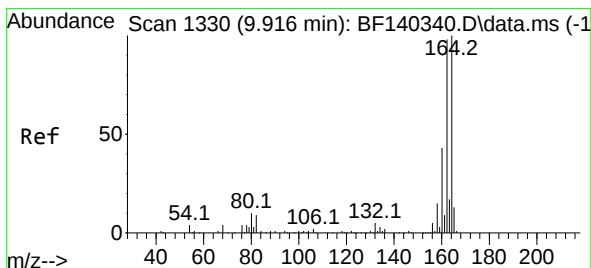
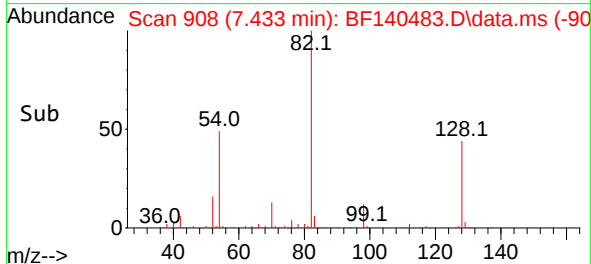
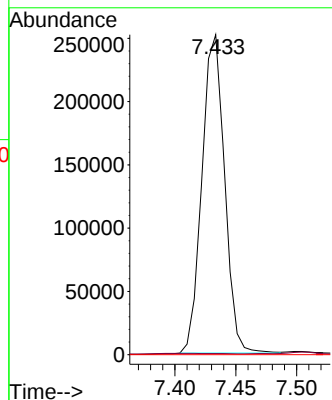
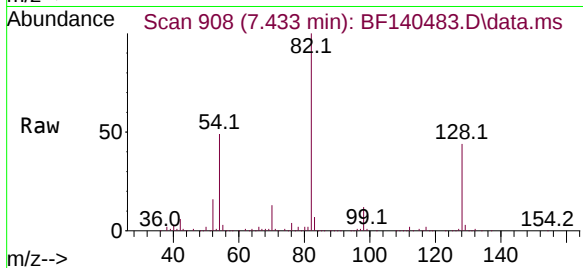




#25
Isophorone
Concen: 19.482 ng
RT: 7.433 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF140483.D
Acq: 19 Nov 2024 19:28

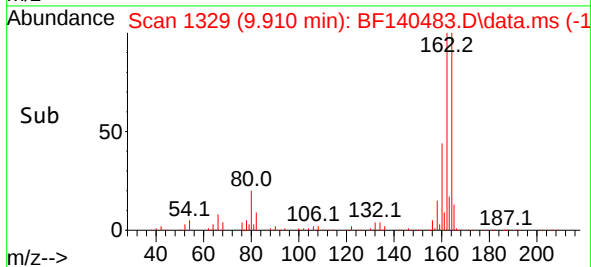
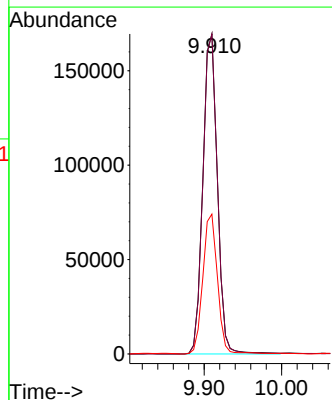
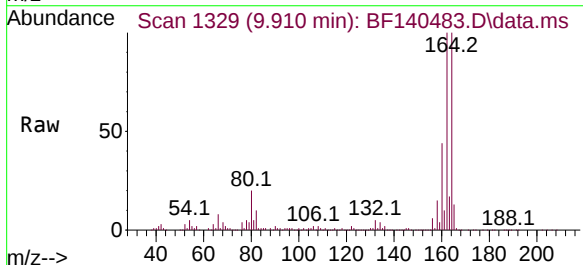
Instrument :
BNA_F
ClientSampleId :
NB-08-111424RE

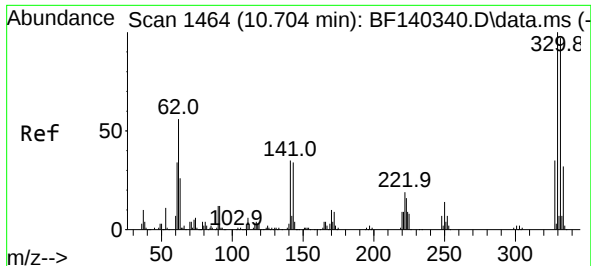
Tgt Ion: 82 Resp: 325415
Ion Ratio Lower Upper
82 100
95 0.3 5.9 8.9#
138 0.0 13.4 20.2#



#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

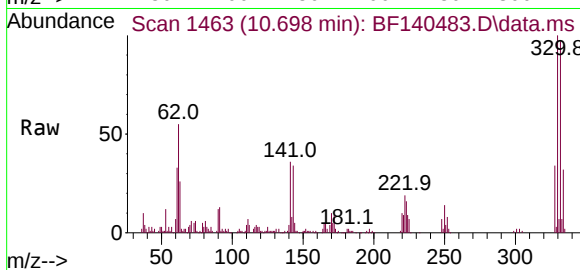
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Instrument :

BNA_F

ClientSampleId :

NB-08-111424RE



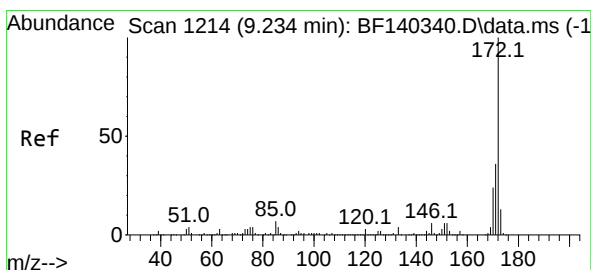
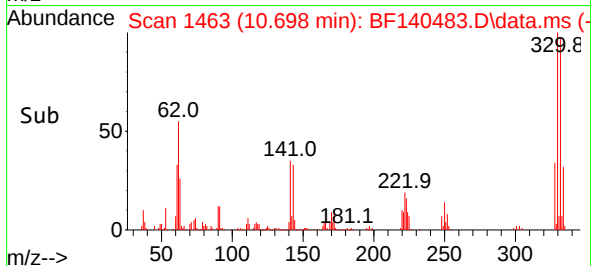
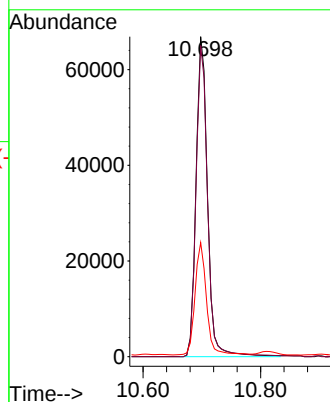
Tgt Ion:330 Resp: 90799

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

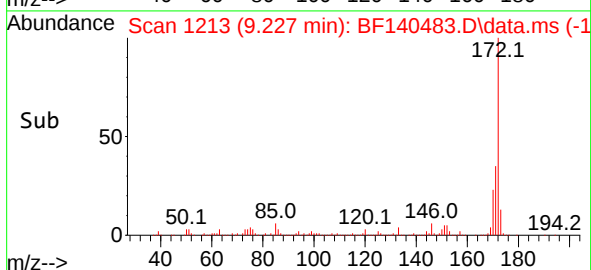
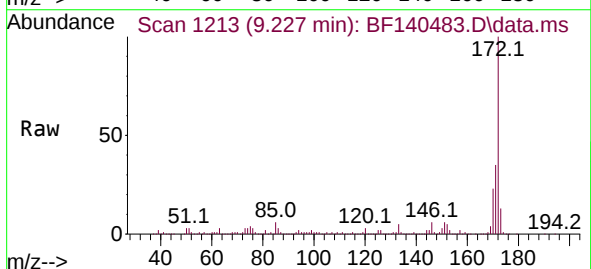
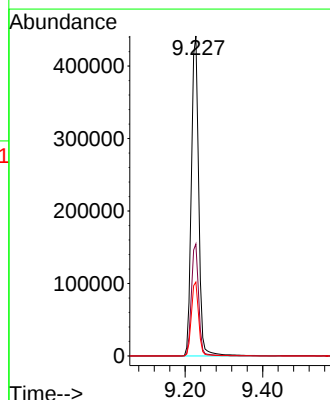
Tgt Ion:172 Resp: 580616

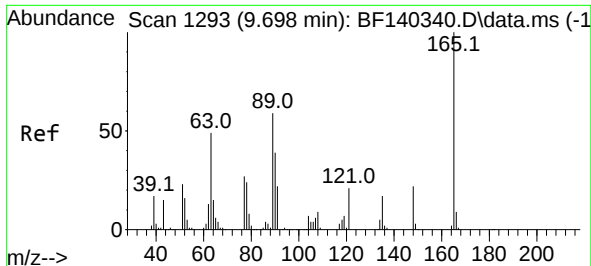
Ion Ratio Lower Upper

172 100

171 35.0 28.5 42.7

170 23.1 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 9.226 ng

RT: 9.910 min Scan# 1

Delta R.T. 0.212 min

Lab File: BF140483.D

Acq: 19 Nov 2024 19:28

Instrument :

BNA_F

ClientSampleId :

NB-08-111424RE

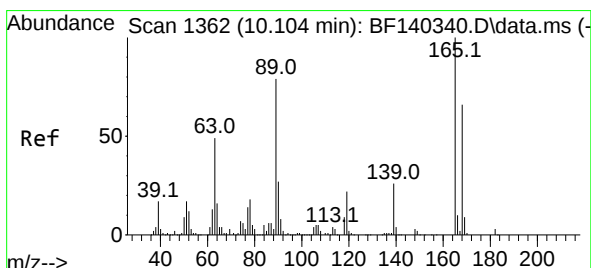
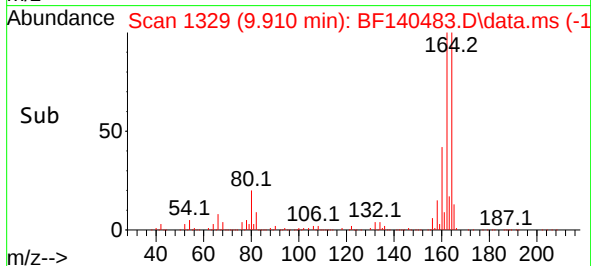
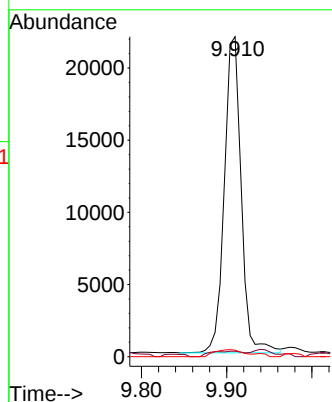
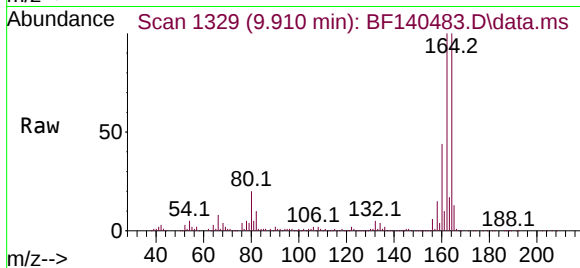
Tgt Ion:165 Resp: 30225

Ion Ratio Lower Upper

165 100

63 1.7 47.6 71.4#

89 2.0 48.1 72.1#



#57

2,4-Dinitrotoluene

Concen: 7.010 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.194 min

Lab File: BF140483.D

Acq: 19 Nov 2024 19:28

Tgt Ion:165 Resp: 30225

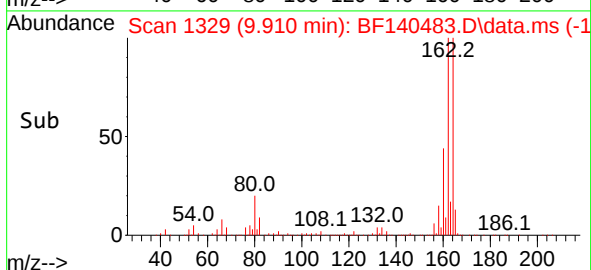
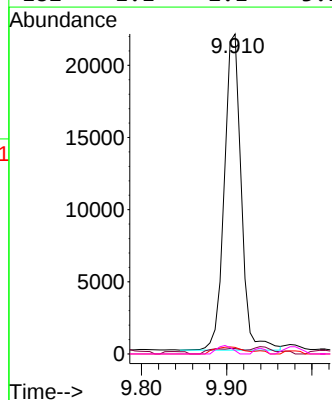
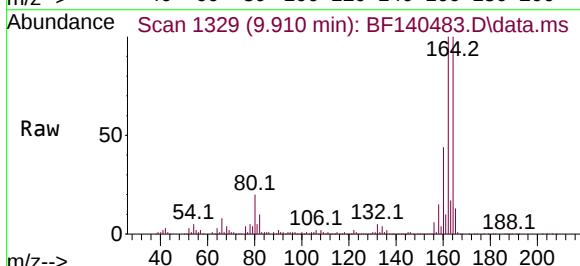
Ion Ratio Lower Upper

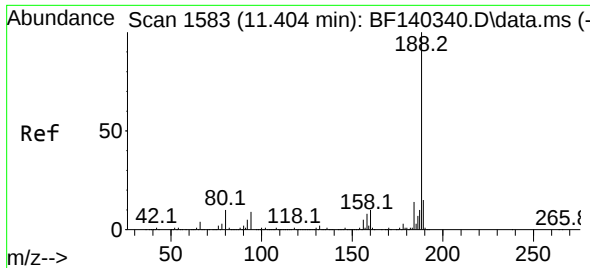
165 100

63 1.7 39.4 59.0#

89 2.0 62.4 93.6#

182 1.1 2.1 3.1#

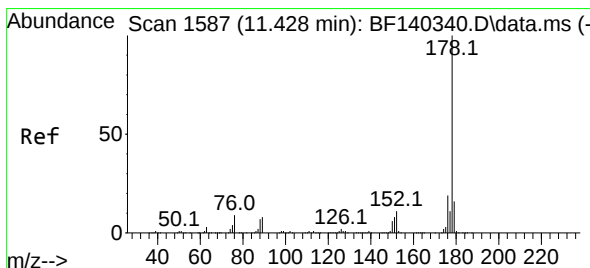
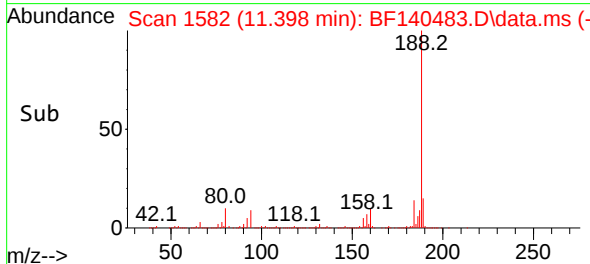
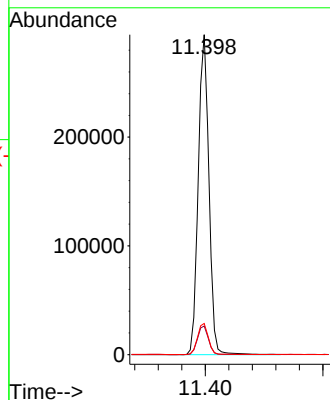
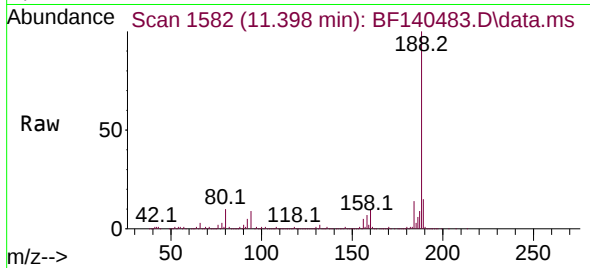




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140483.D
Acq: 19 Nov 2024 19:28

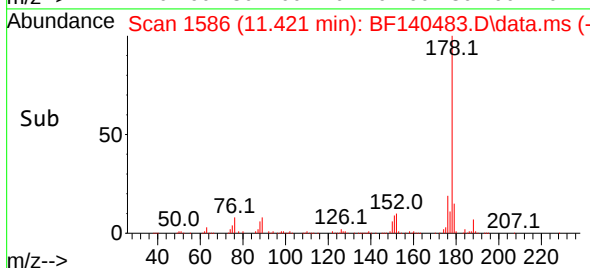
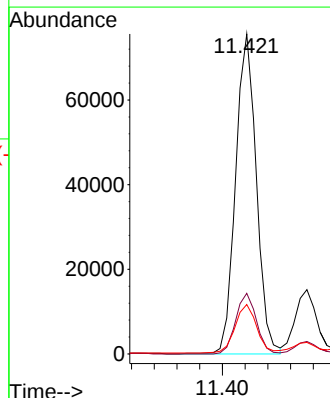
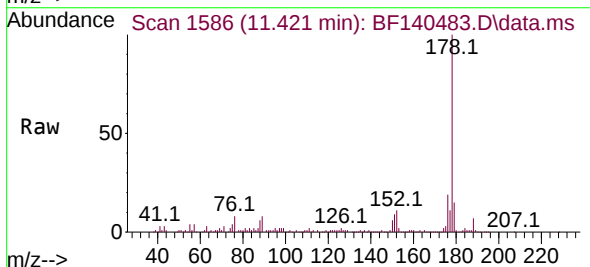
Instrument :
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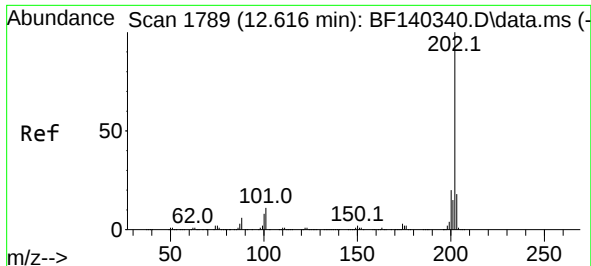
Tgt Ion:188 Resp: 369942
Ion Ratio Lower Upper
188 100
94 9.0 7.6 11.4
80 9.7 8.0 12.0



#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

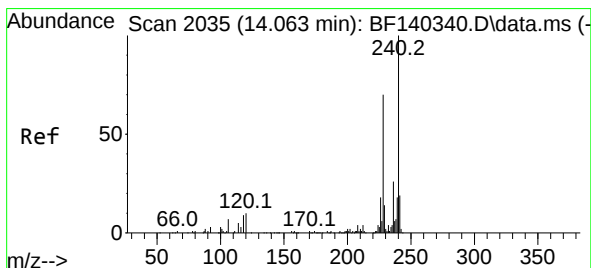
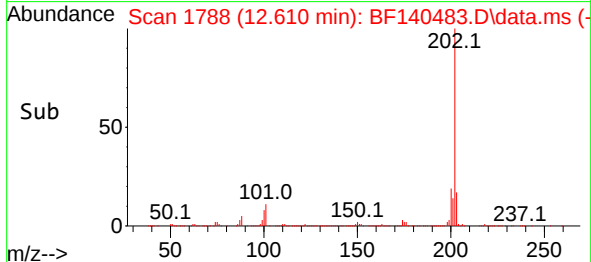
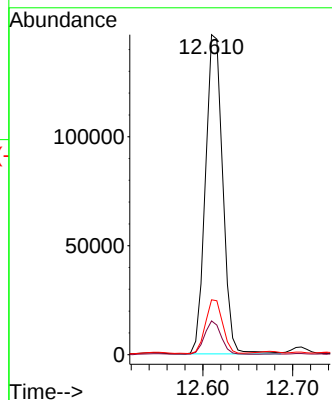
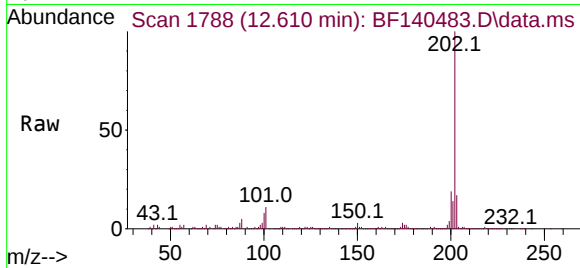




#75
Fluoranthene
Concen: 10.051 ng
RT: 12.610 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF140483.D
Acq: 19 Nov 2024 19:28

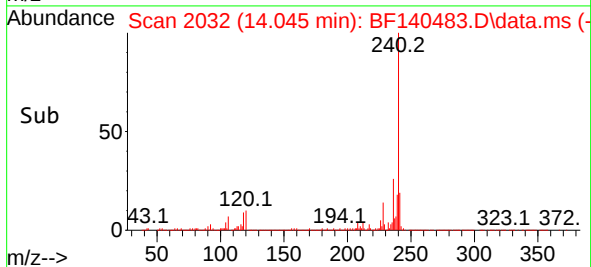
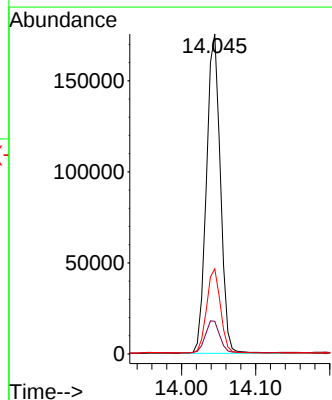
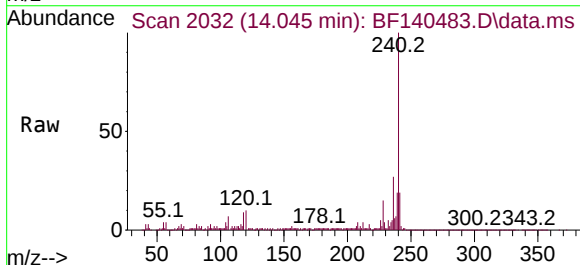
Instrument :
BNA_F
ClientSampleId :
NB-08-111424RE

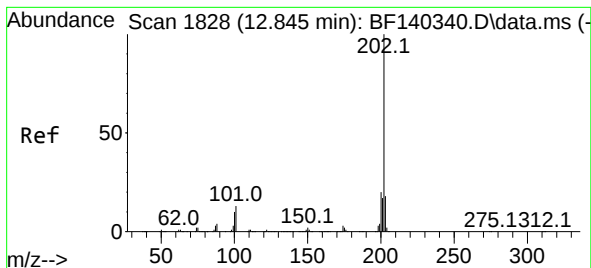
Tgt Ion:202 Resp: 195973
Ion Ratio Lower Upper
202 100
101 10.5 0.0 30.7
203 17.2 0.0 37.7



#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

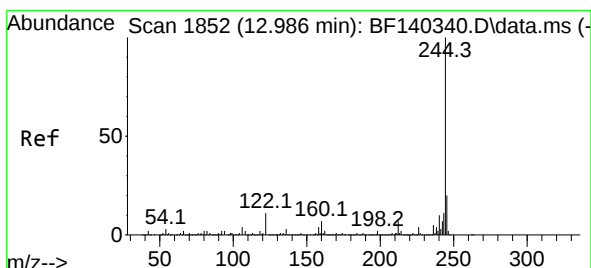
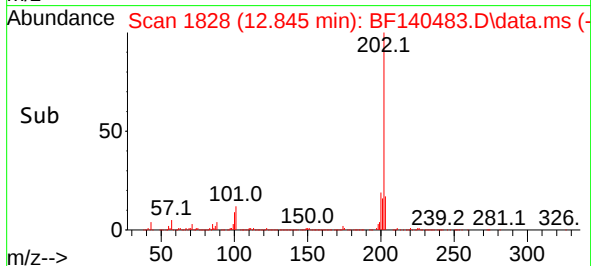
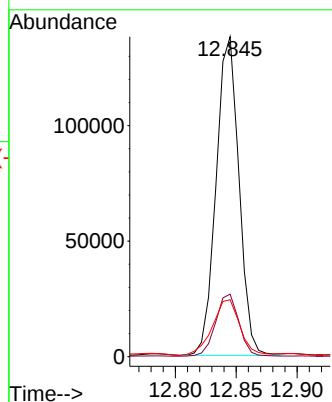
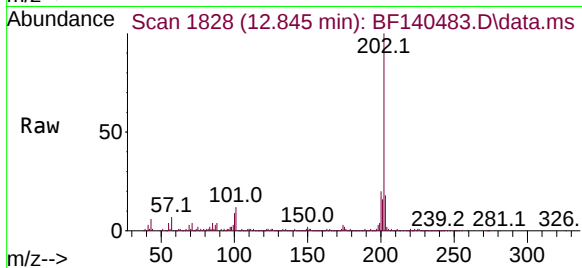
Tgt Ion:202 Resp: 180207

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

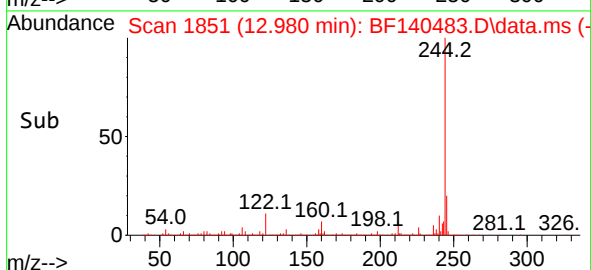
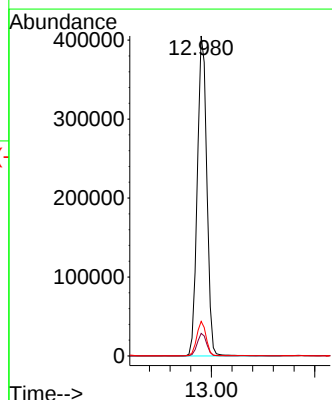
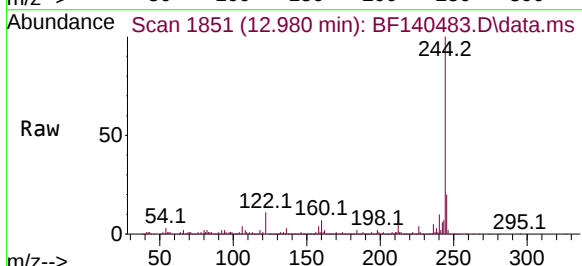
Tgt Ion:244 Resp: 518921

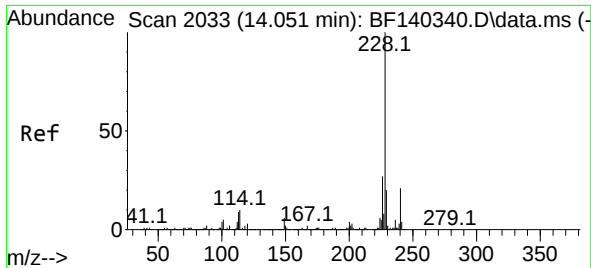
Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

122 10.8 8.8 13.2

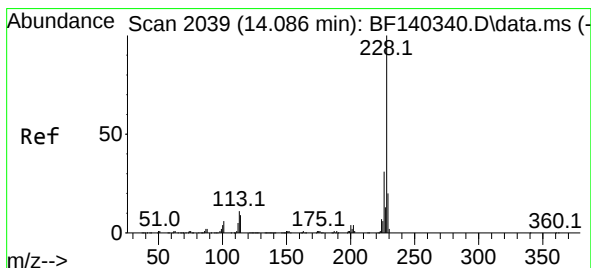
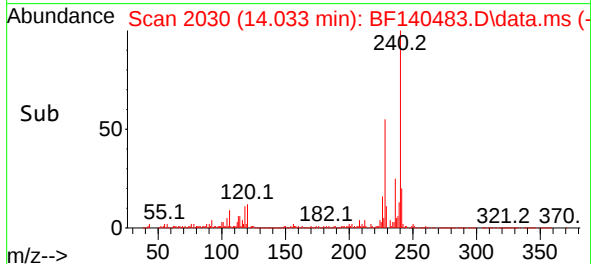
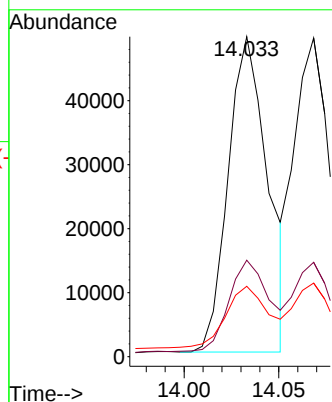
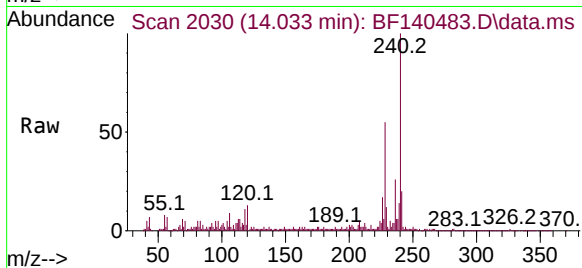




#81
Benzo(a)anthracene
Concen: 4.766 ng
RT: 14.033 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF140483.D
Acq: 19 Nov 2024 19:28

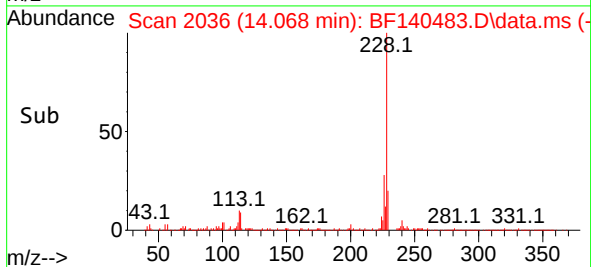
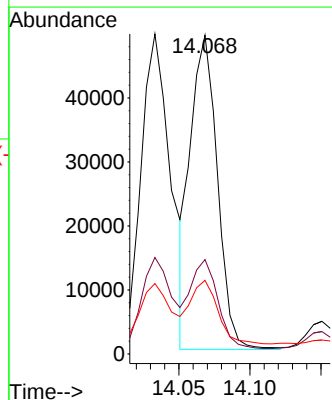
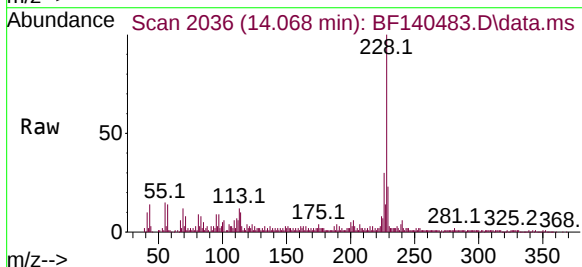
Instrument :
BNA_F
ClientSampleId :
NB-08-111424RE

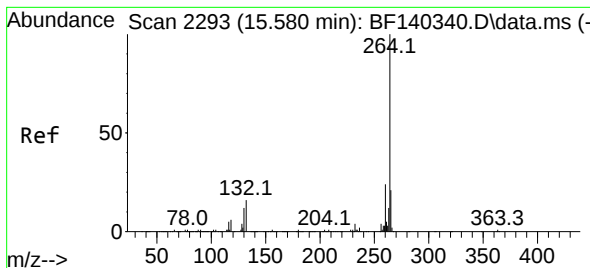
Tgt Ion:228 Resp: 71660
Ion Ratio Lower Upper
228 100
226 30.2 22.2 33.4
229 22.0 15.8 23.6



#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

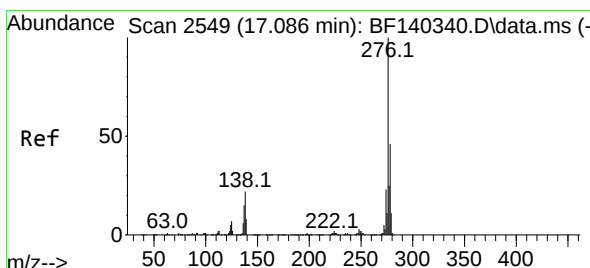
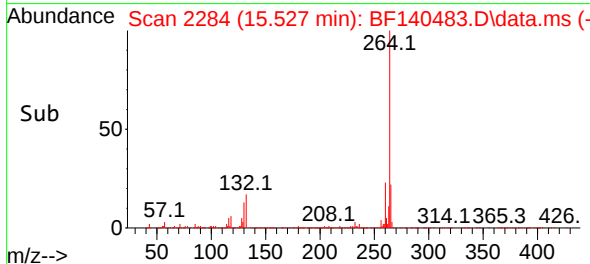
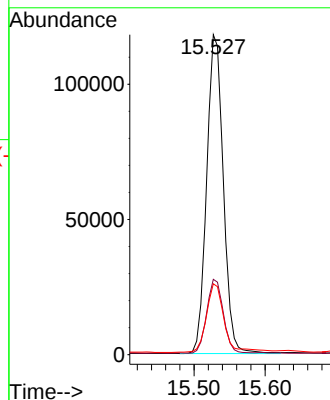
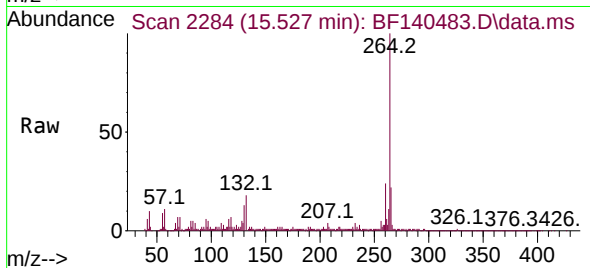
Tgt Ion:264 Resp: 192568

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

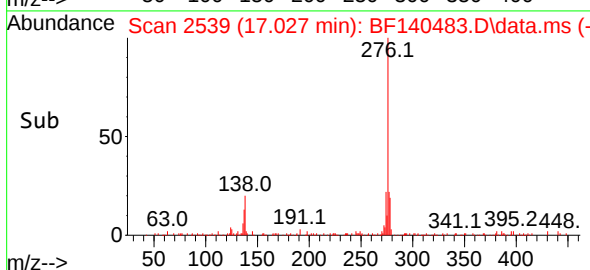
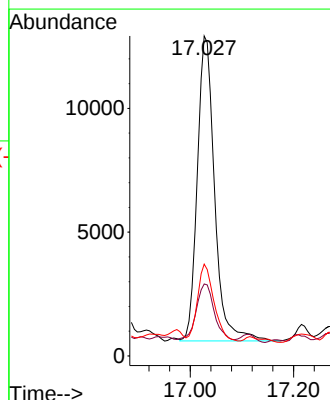
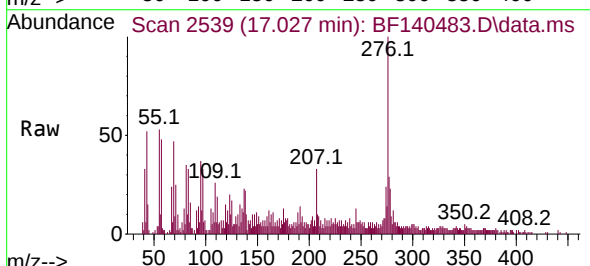
Tgt Ion:276 Resp: 28619

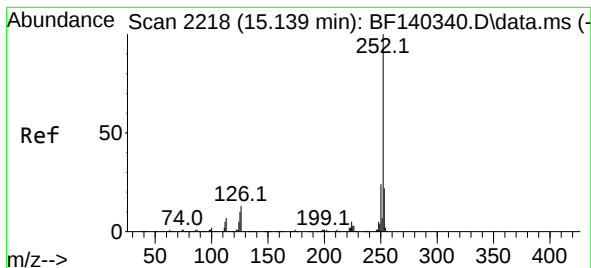
Ion Ratio Lower Upper

276 100

138 20.2 18.8 28.2

277 23.7 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 7.411 ng

RT: 15.098 min Scan# 2211

Delta R.T. -0.018 min

Lab File: BF140483.D

Acq: 19 Nov 2024 19:28

Instrument :

BNA_F

ClientSampleId :

NB-08-111424RE

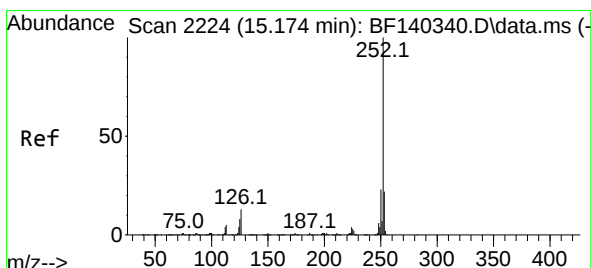
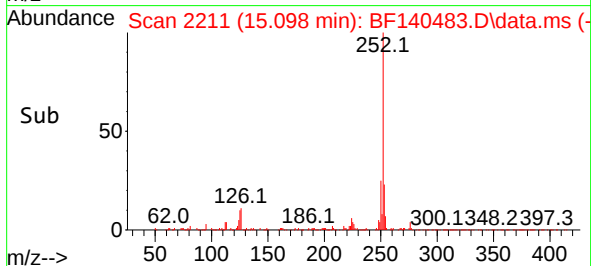
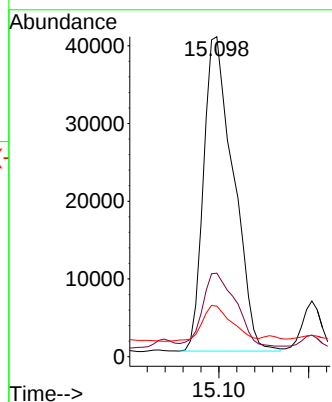
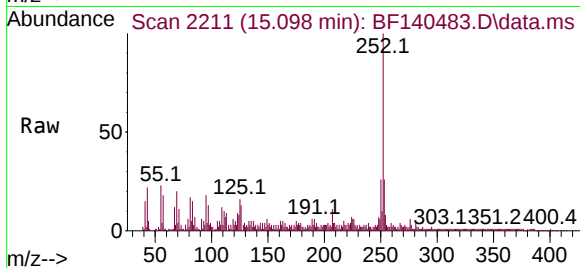
Tgt Ion:252 Resp: 93360

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: 9.072 ng

RT: 15.098 min Scan# 2211

Delta R.T. -0.053 min

Lab File: BF140483.D

Acq: 19 Nov 2024 19:28

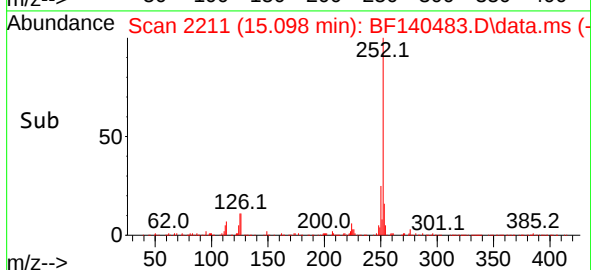
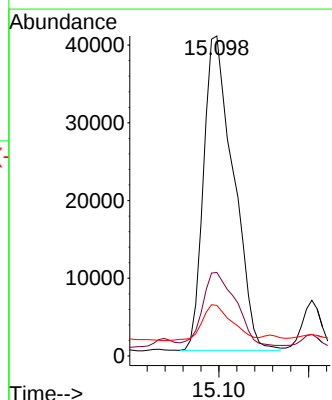
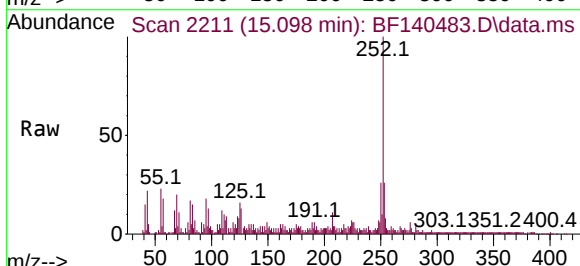
Tgt Ion:252 Resp: 93360

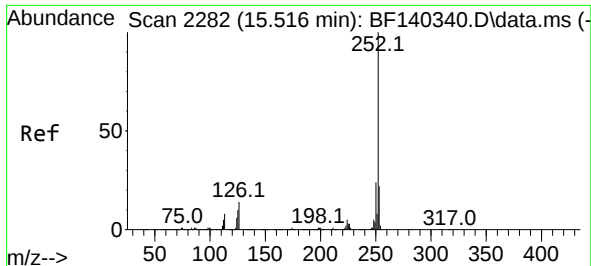
Ion Ratio Lower Upper

252 100

253 26.1 17.3 25.9#

125 15.8 7.4 11.2#

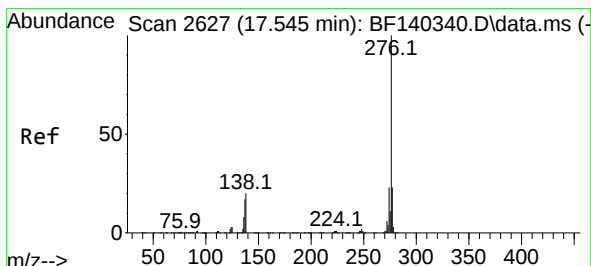
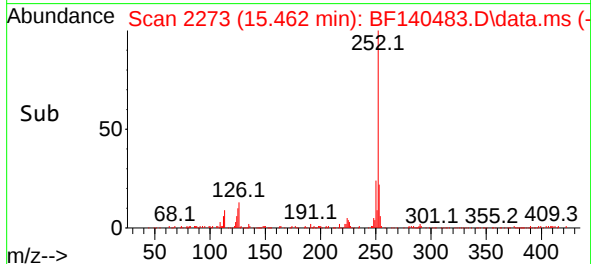
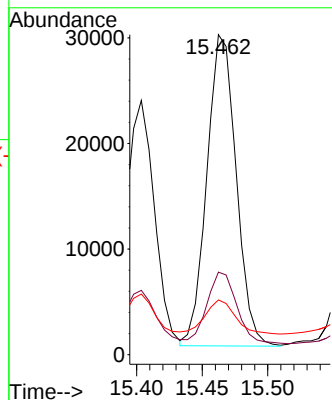
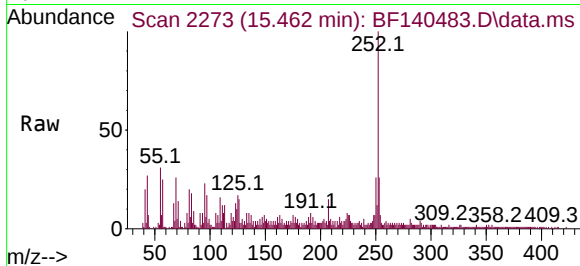




#90
Benzo(a)pyrene
Concen: 4.691 ng
RT: 15.462 min Scan# 21
Delta R.T. -0.030 min
Lab File: BF140483.D
Acq: 19 Nov 2024 19:28

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#

