

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
 Data File : BF140440.D
 Acq On : 16 Nov 2024 19:45
 Operator : RC/JU
 Sample : P4859-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-111424

Quant Time: Nov 18 00:09:55 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)

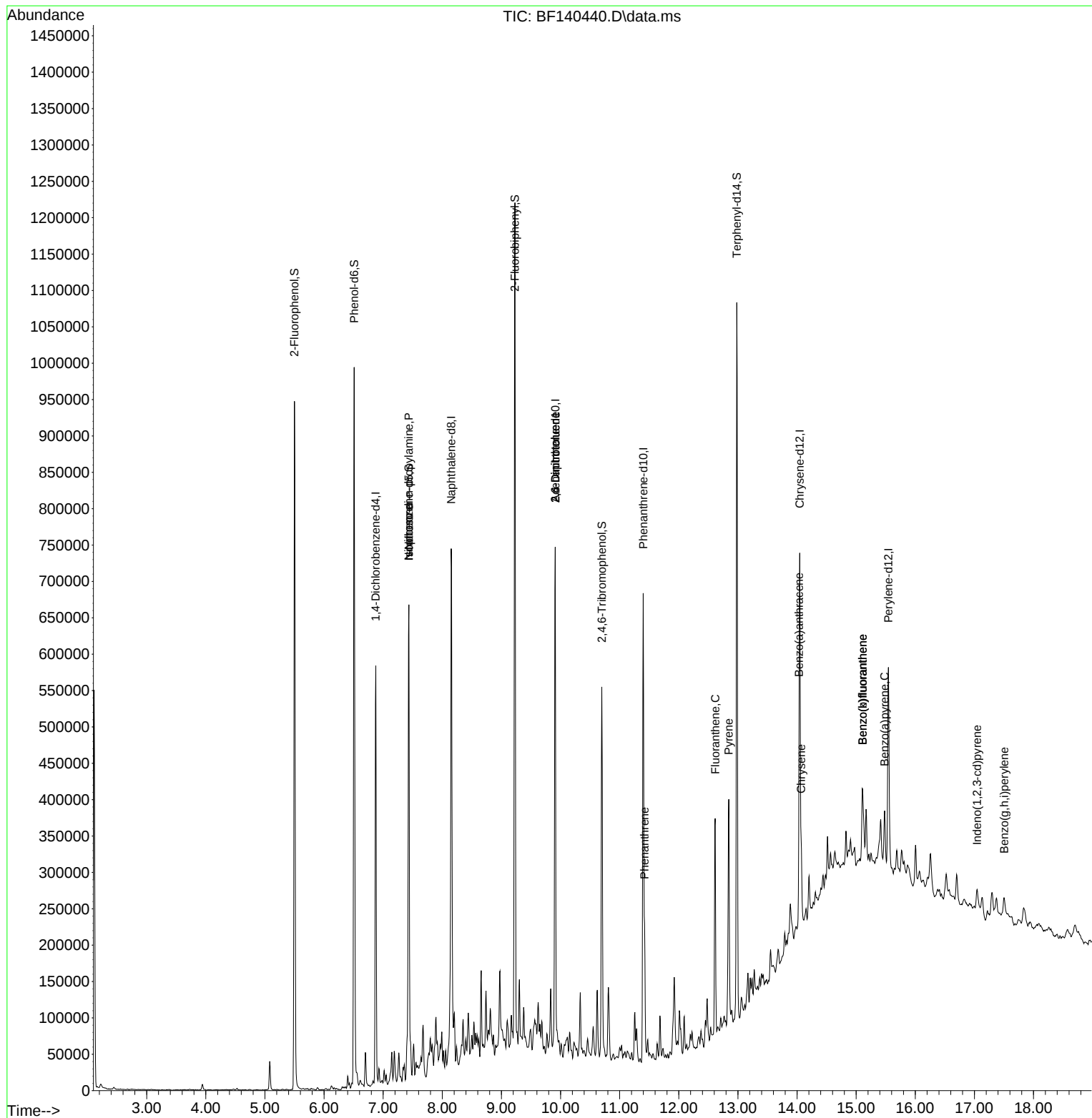
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	121165	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	435470	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	205308	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	336548	20.000	ng	0.00
76) Chrysene-d12	14.045	240	211965	20.000	ng	0.00
86) Perylene-d12	15.545	264	158818	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	364123	51.310	ng	0.00
7) Phenol-d6	6.510	99	468741	48.753	ng	0.00
23) Nitrobenzene-d5	7.434	82	294675	35.257	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	86021	42.134	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	524954	41.104	ng	0.00
79) Terphenyl-d14	12.980	244	474428	38.851	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	41531	7.152	ng	# 78
25) Isophorone	7.434	82	290398	19.605	ng	# 67
51) 2,6-Dinitrotoluene	9.910	165	29213	9.575	ng	# 23
57) 2,4-Dinitrotoluene	9.910	165	29213	7.276	ng	# 21
71) Phenanthrene	11.422	178	90199	5.705	ng	99
75) Fluoranthene	12.616	202	179170	10.102	ng	98
78) Pyrene	12.845	202	167179	9.221	ng	99
81) Benzo(a)anthracene	14.033	228	62762	4.505	ng	93
83) Chrysene	14.069	228	59953	4.717	ng	96
87) Indeno(1,2,3-cd)pyrene	17.045	276	23429	2.388	ng	100
88) Benzo(b)fluoranthene	15.110	252	79918	7.692	ng	# 89
89) Benzo(k)fluoranthene	15.110	252	79918	9.416	ng	# 88
90) Benzo(a)pyrene	15.480	252	40148	4.976	ng	# 92
92) Benzo(g,h,i)perylene	17.504	276	26102	3.148	ng	# 91

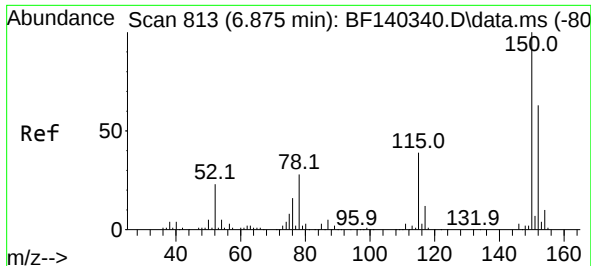
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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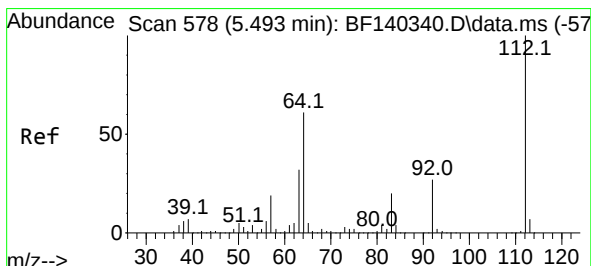
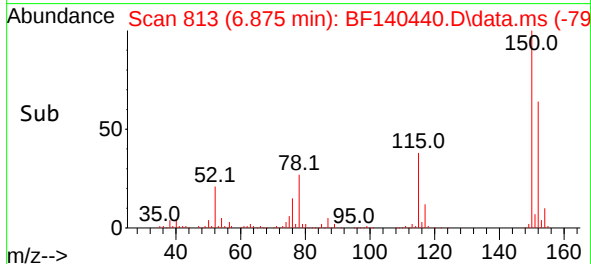
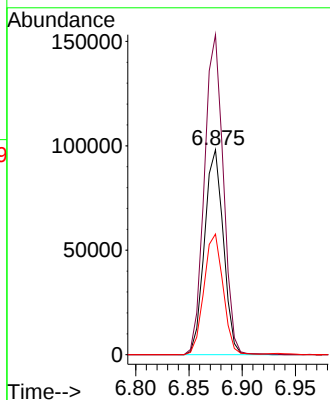
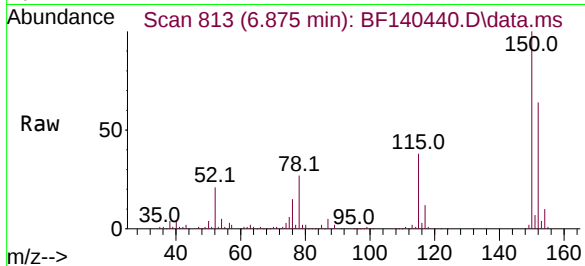




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140440.D
Acq: 16 Nov 2024 19:45

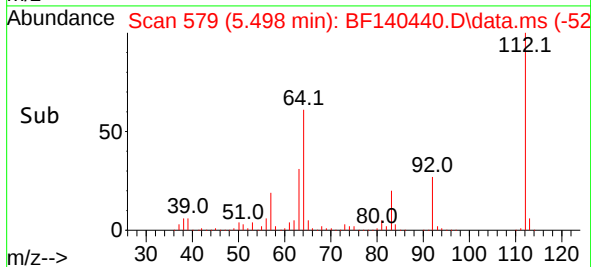
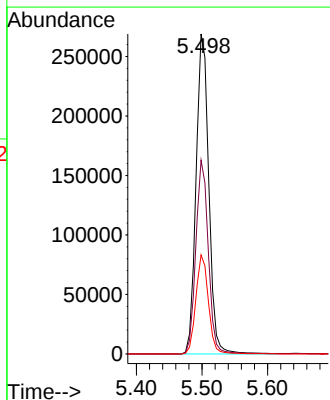
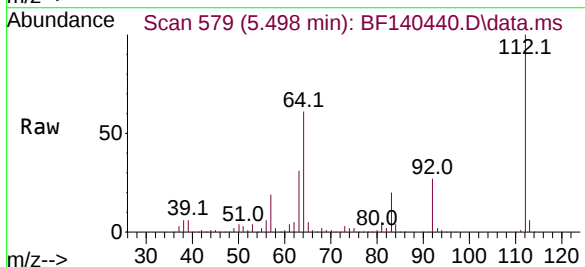
Instrument :
BNA_F
ClientSampleId :
NB-08-111424

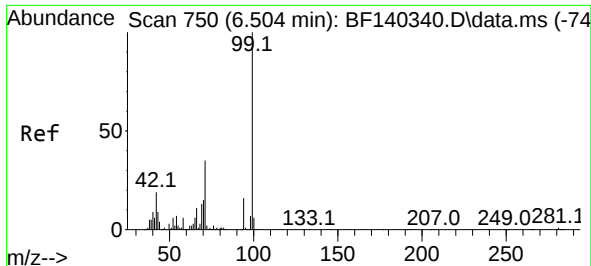
Tgt Ion:152 Resp: 121165
Ion Ratio Lower Upper
152 100
150 156.1 127.4 191.0
115 58.8 47.4 71.2



#5
2-Fluorophenol
Concen: 51.310 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF140440.D
Acq: 16 Nov 2024 19:45

Tgt Ion:112 Resp: 364123
Ion Ratio Lower Upper
112 100
64 60.6 49.2 73.8
63 30.9 25.6 38.4

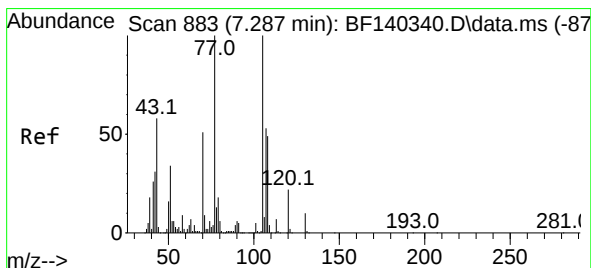
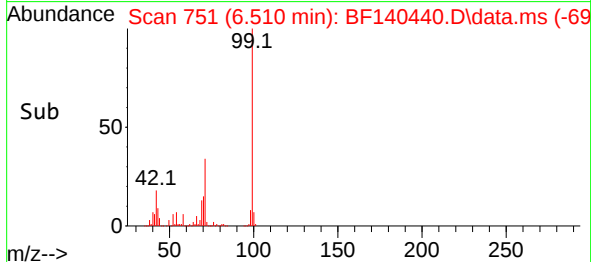
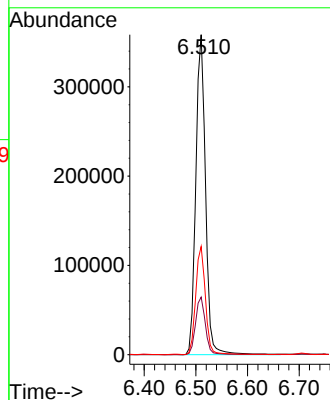
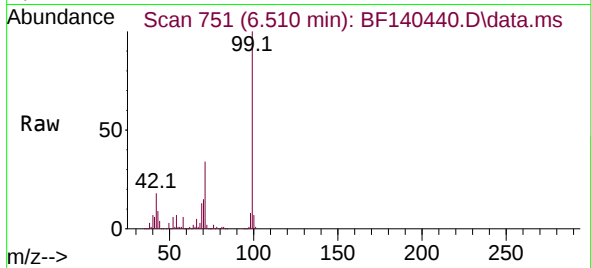




#7
Phenol-d6
Concen: 48.753 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140440.D
Acq: 16 Nov 2024 19:45

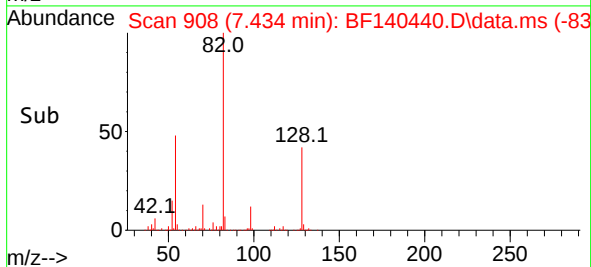
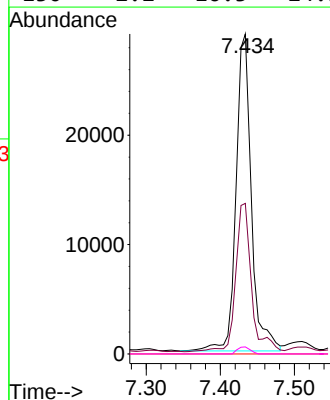
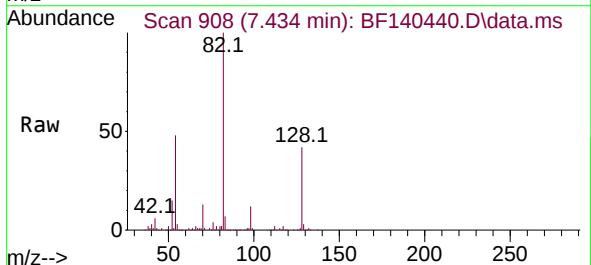
Instrument :
BNA_F
ClientSampleId :
NB-08-111424

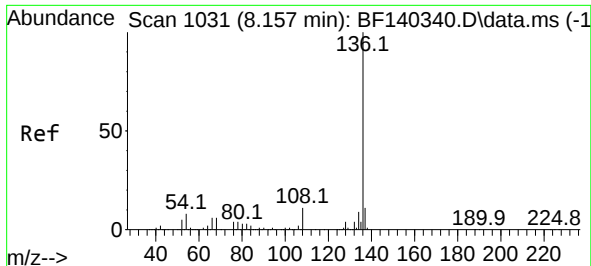
Tgt Ion: 99 Resp: 468741
Ion Ratio Lower Upper
99 100
42 18.0 15.1 22.7
71 33.8 27.9 41.9



#19
n-Nitroso-di-n-propylamine
Concen: 7.152 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.141 min
Lab File: BF140440.D
Acq: 16 Nov 2024 19:45

Tgt Ion: 70 Resp: 41531
Ion Ratio Lower Upper
70 100
42 47.0 46.8 70.2
101 0.0 7.5 11.3#
130 2.2 16.3 24.5#



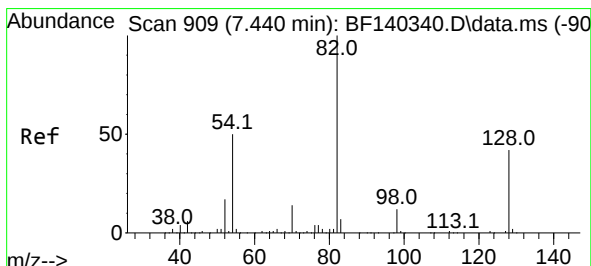
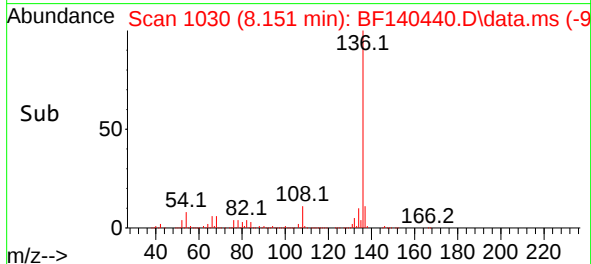
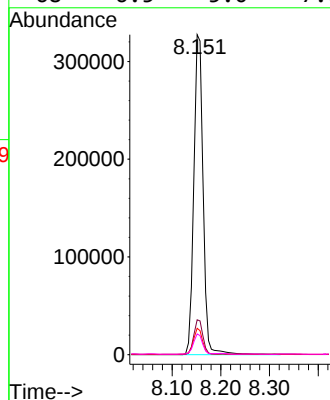
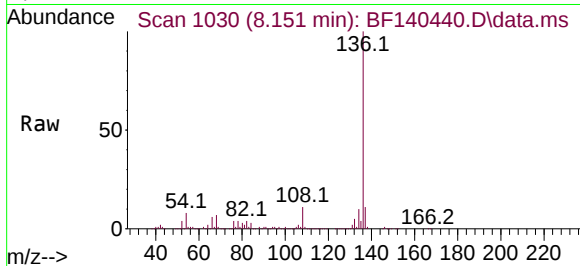


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF140440.D
Acq: 16 Nov 2024 19:45

Instrument :
BNA_F
ClientSampleId :
NB-08-111424

Tgt Ion:136 Resp: 435470

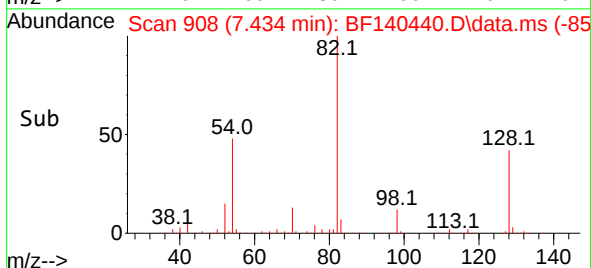
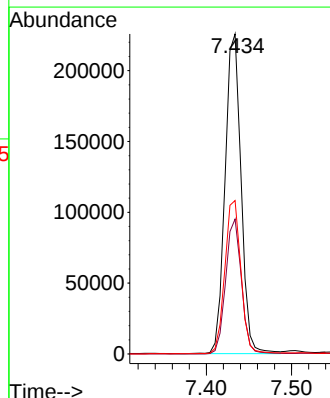
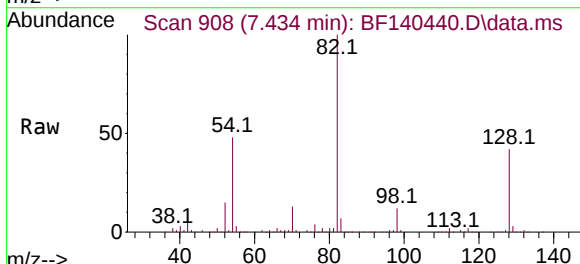
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	8.2	6.5	9.7
68	6.5	5.0	7.6

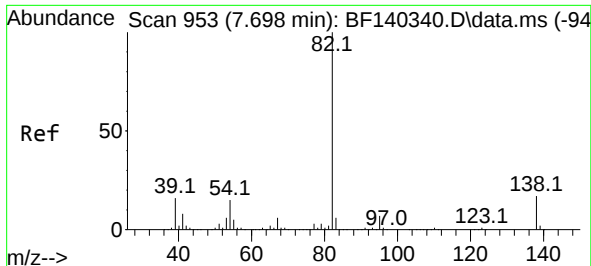


#23
Nitrobenzene-d5
Concen: 35.257 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF140440.D
Acq: 16 Nov 2024 19:45

Tgt Ion: 82 Resp: 294675

Ion	Ratio	Lower	Upper
82	100		
128	42.2	33.3	49.9
54	47.9	39.8	59.8

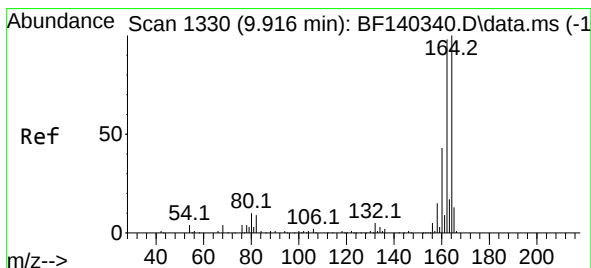
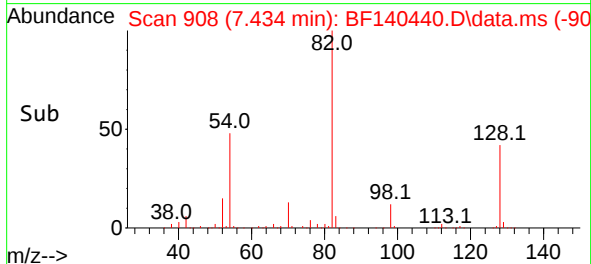
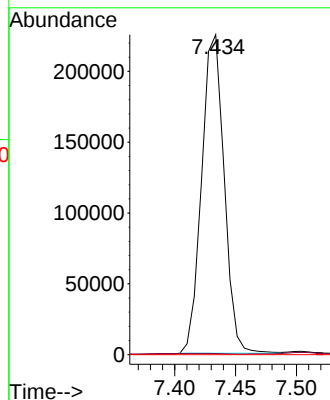
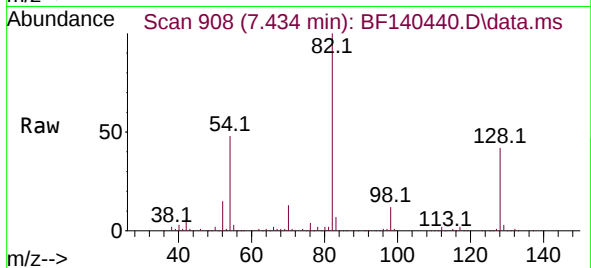




#25
Isophorone
Concen: 19.605 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF140440.D
Acq: 16 Nov 2024 19:45

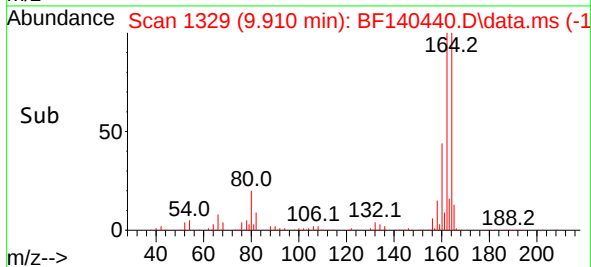
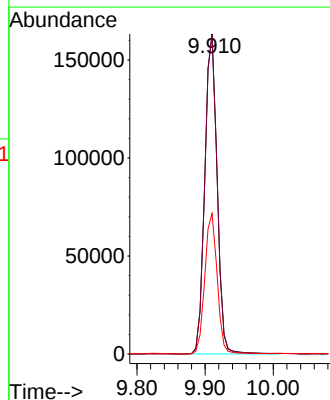
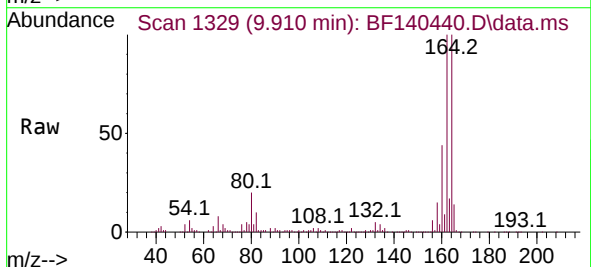
Instrument :
BNA_F
ClientSampleId :
NB-08-111424

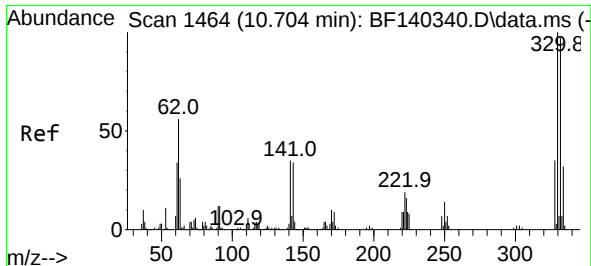
Tgt Ion: 82 Resp: 290398
Ion Ratio Lower Upper
82 100
95 0.3 5.9 8.9#
138 0.0 13.4 20.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF140440.D
Acq: 16 Nov 2024 19:45

Tgt Ion: 164 Resp: 205308
Ion Ratio Lower Upper
164 100
162 99.8 79.8 119.8
160 43.9 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 42.134 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF140440.D

Acq: 16 Nov 2024 19:45

Instrument :

BNA_F

ClientSampleId :

NB-08-111424

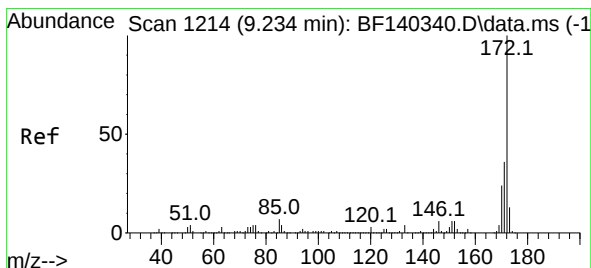
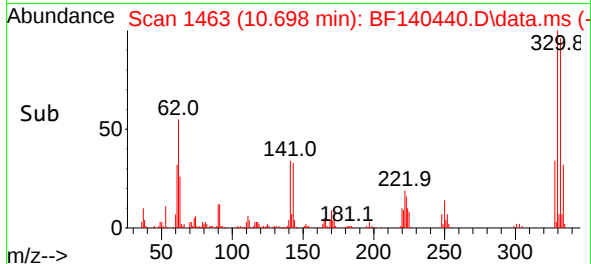
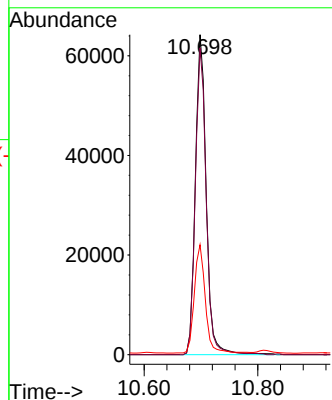
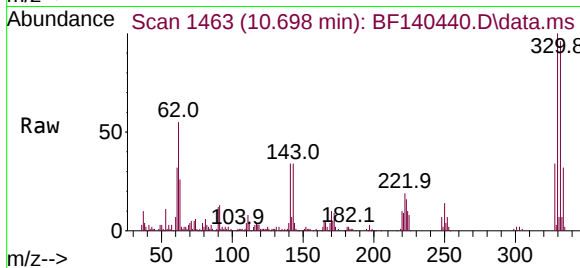
Tgt Ion:330 Resp: 86021

Ion Ratio Lower Upper

330 100

332 95.4 75.9 113.9

141 34.0 26.9 40.3



#45

2-Fluorobiphenyl

Concen: 41.104 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF140440.D

Acq: 16 Nov 2024 19:45

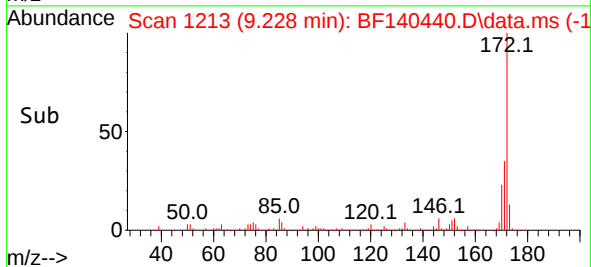
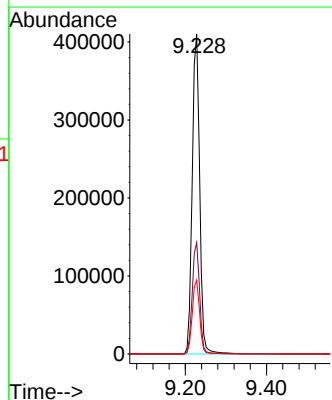
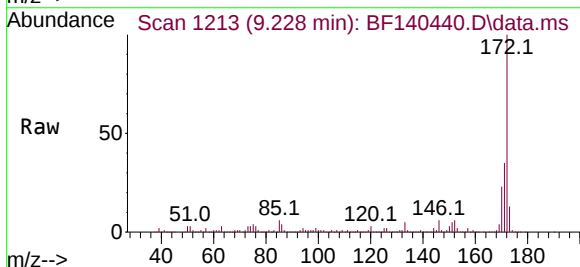
Tgt Ion:172 Resp: 524954

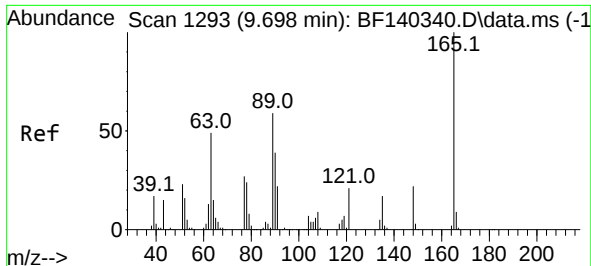
Ion Ratio Lower Upper

172 100

171 34.7 28.5 42.7

170 23.0 19.1 28.7

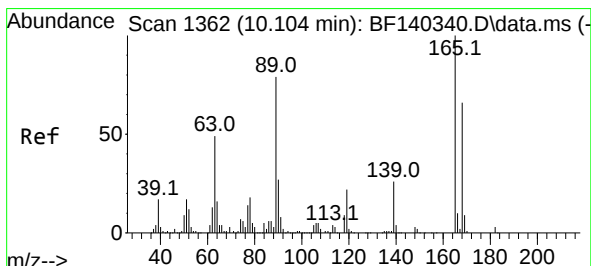
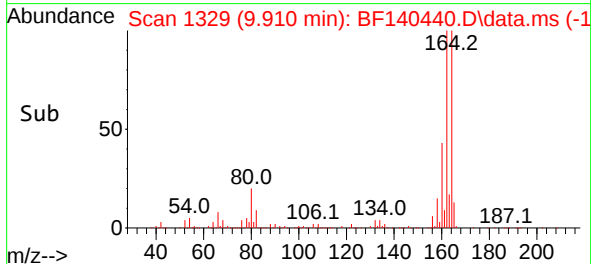
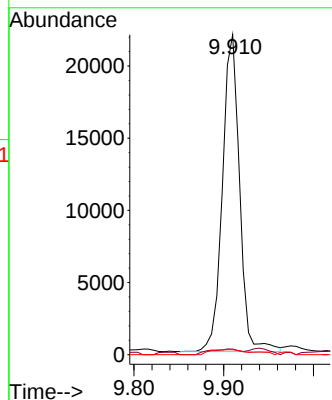
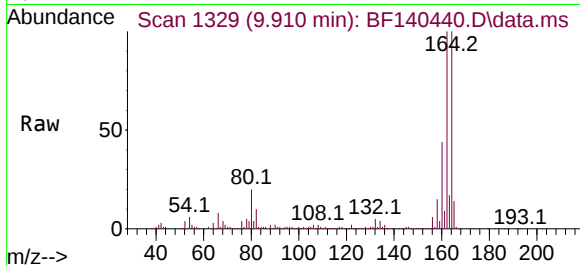




#51
2,6-Dinitrotoluene
Concen: 9.575 ng
RT: 9.910 min Scan# 1329
Delta R.T. 0.212 min
Lab File: BF140440.D
Acq: 16 Nov 2024 19:45

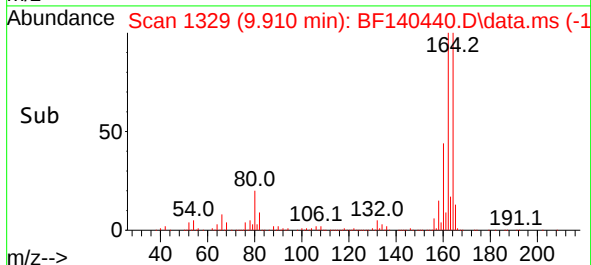
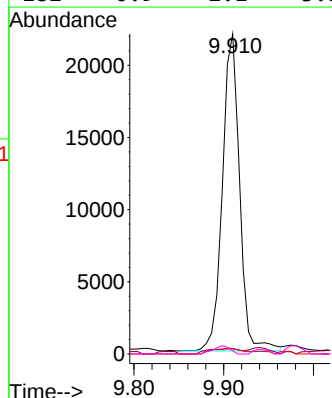
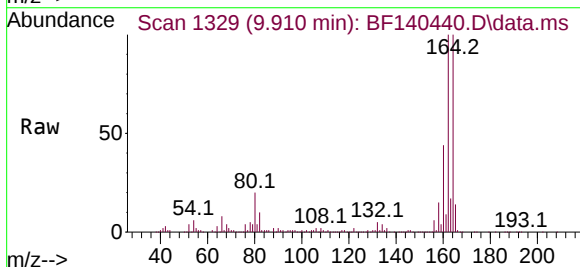
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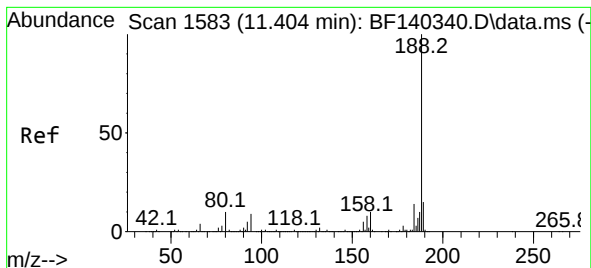
Tgt Ion:165 Resp: 29213
Ion Ratio Lower Upper
165 100
63 1.8 47.6 71.4#
89 1.5 48.1 72.1#



#57
2,4-Dinitrotoluene
Concen: 7.276 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.194 min
Lab File: BF140440.D
Acq: 16 Nov 2024 19:45

Tgt Ion:165 Resp: 29213
Ion Ratio Lower Upper
165 100
63 1.8 39.4 59.0#
89 1.5 62.4 93.6#
182 0.9 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140440.D

Acq: 16 Nov 2024 19:45

Instrument :

BNA_F

ClientSampleId :

NB-08-111424

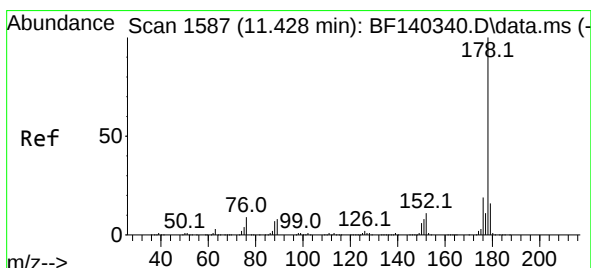
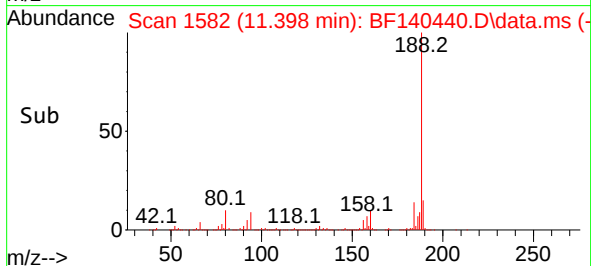
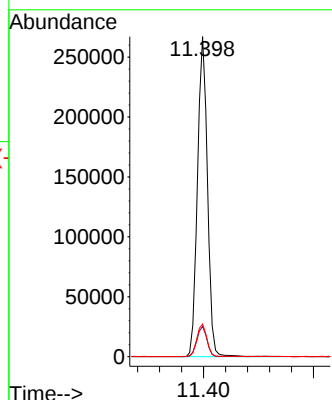
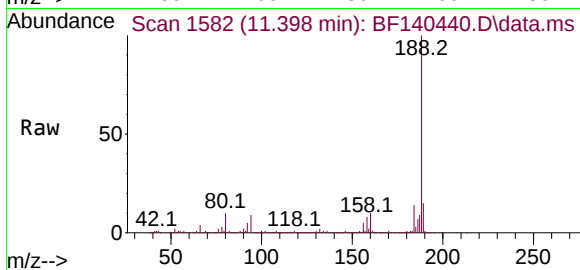
Tgt Ion:188 Resp: 336548

Ion Ratio Lower Upper

188 100

94 9.5 7.6 11.4

80 10.2 8.0 12.0



#71

Phenanthrene

Concen: 5.705 ng

RT: 11.422 min Scan# 1586

Delta R.T. -0.006 min

Lab File: BF140440.D

Acq: 16 Nov 2024 19:45

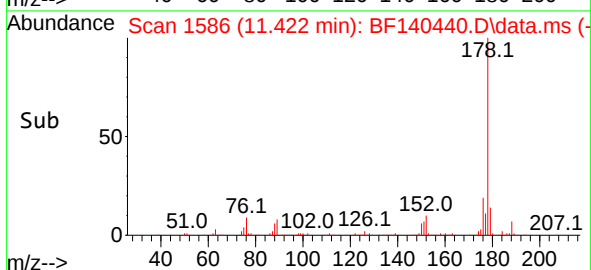
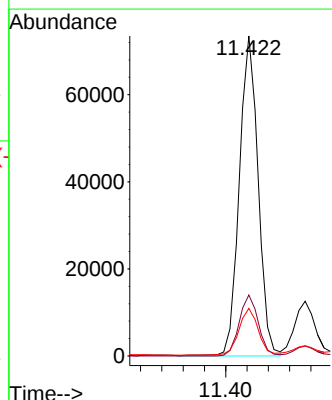
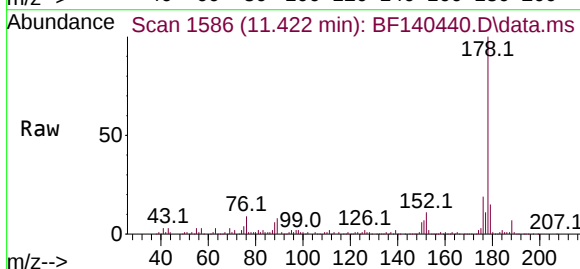
Tgt Ion:178 Resp: 90199

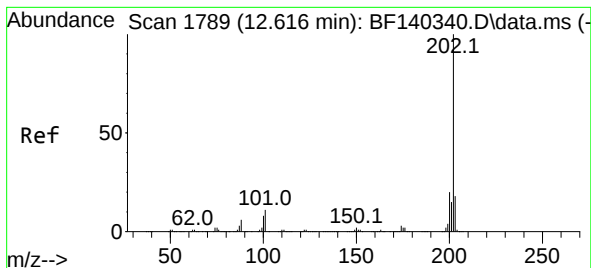
Ion Ratio Lower Upper

178 100

176 19.1 15.5 23.3

179 14.8 12.4 18.6





#75

Fluoranthene

Concen: 10.102 ng

RT: 12.616 min Scan# 1789

Delta R.T. 0.000 min

Lab File: BF140440.D

Acq: 16 Nov 2024 19:45

Instrument :

BNA_F

ClientSampleId :

NB-08-111424

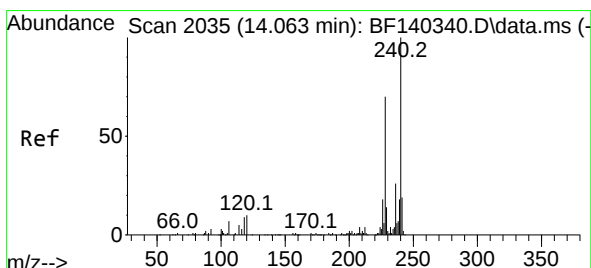
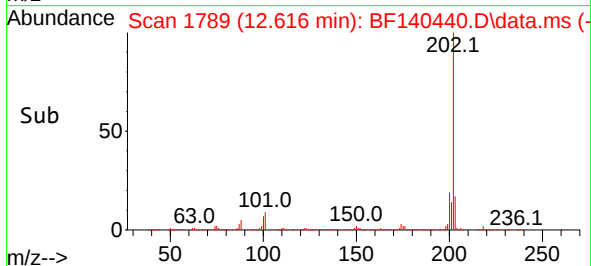
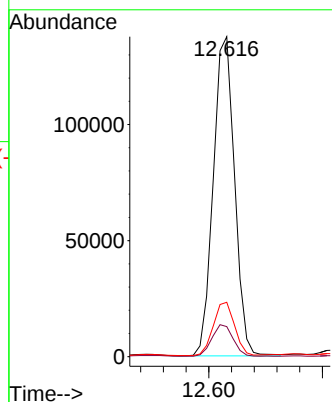
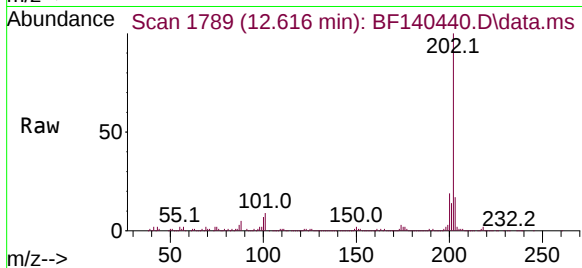
Tgt Ion:202 Resp: 179170

Ion Ratio Lower Upper

202 100

101 9.4 0.0 30.7

203 17.0 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: BF140440.D

Acq: 16 Nov 2024 19:45

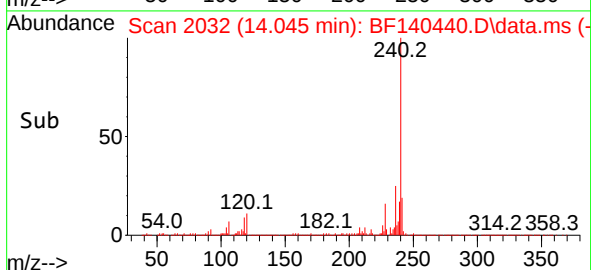
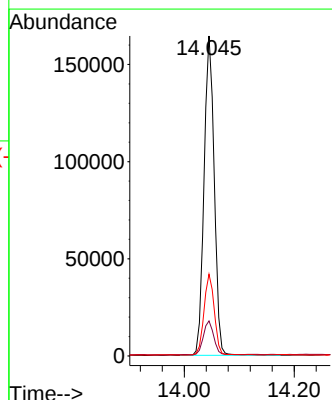
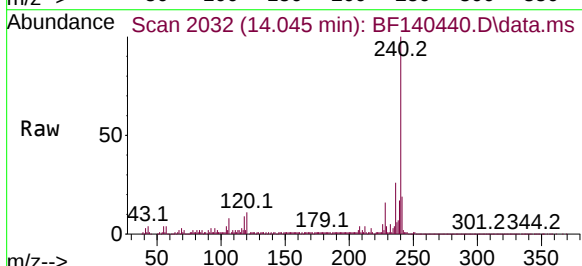
Tgt Ion:240 Resp: 211965

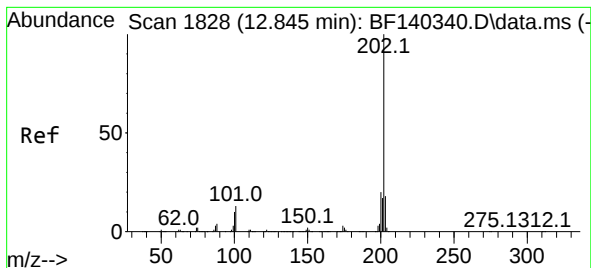
Ion Ratio Lower Upper

240 100

120 10.9 8.8 13.2

236 25.6 20.9 31.3





#78

Pyrene

Concen: 9.221 ng

RT: 12.845 min Scan# 1828

Delta R.T. 0.000 min

Lab File: BF140440.D

Acq: 16 Nov 2024 19:45

Instrument :

BNA_F

ClientSampleId :

NB-08-111424

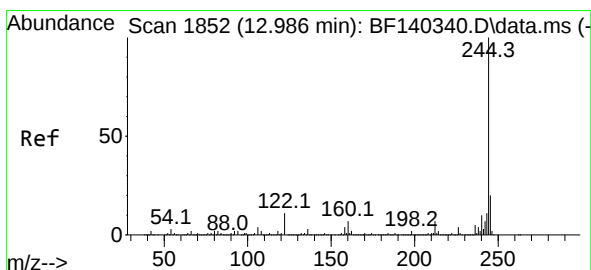
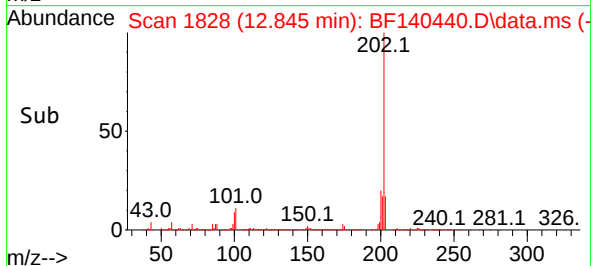
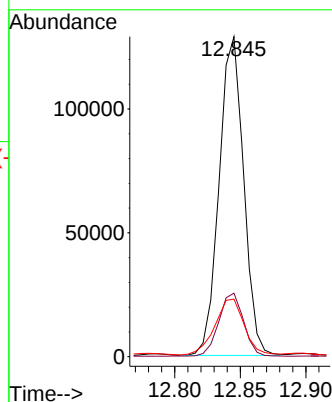
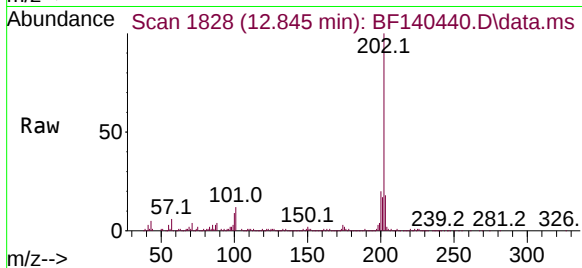
Tgt Ion:202 Resp: 167179

Ion Ratio Lower Upper

202 100

200 19.9 16.2 24.2

203 18.0 14.2 21.4



#79

Terphenyl-d14

Concen: 38.851 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF140440.D

Acq: 16 Nov 2024 19:45

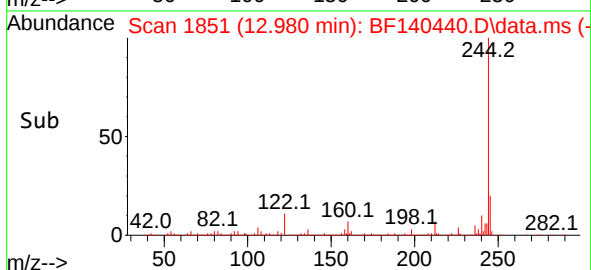
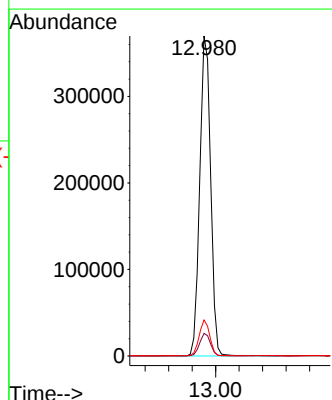
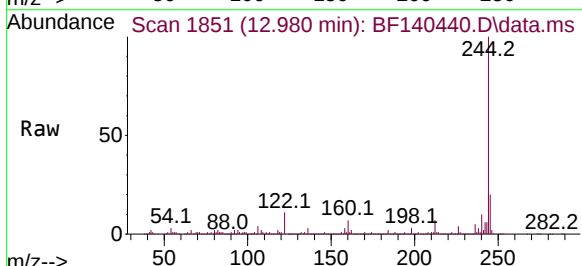
Tgt Ion:244 Resp: 474428

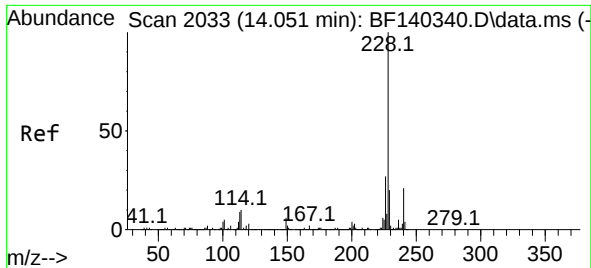
Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

122 11.2 8.8 13.2

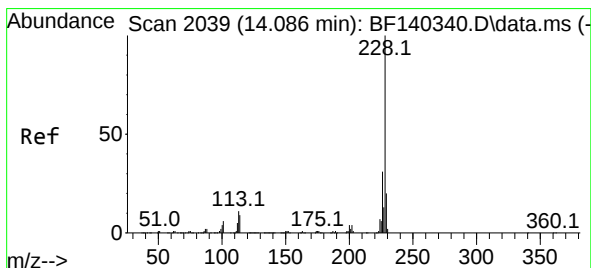
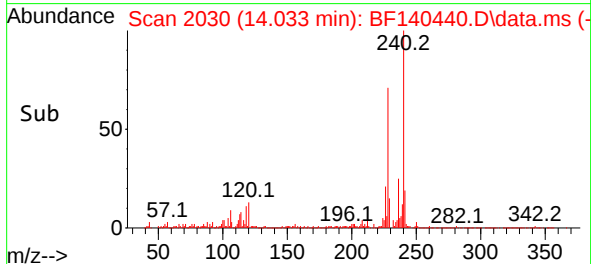
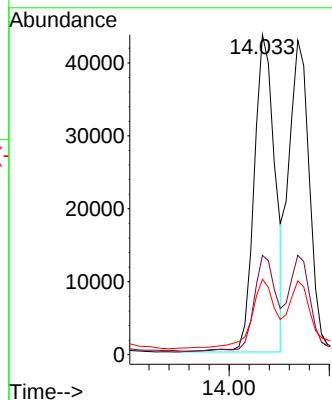
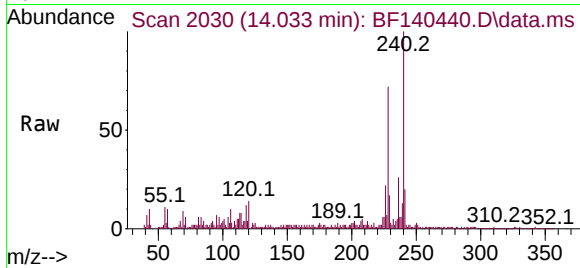




#81
Benzo(a)anthracene
Concen: 4.505 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF140440.D
Acq: 16 Nov 2024 19:45

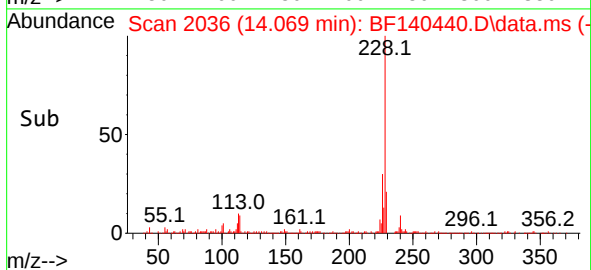
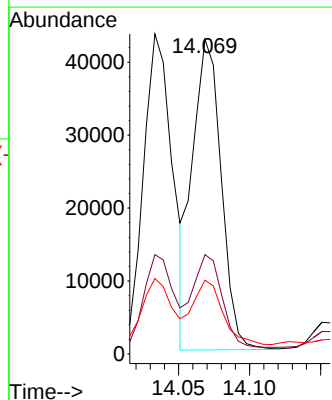
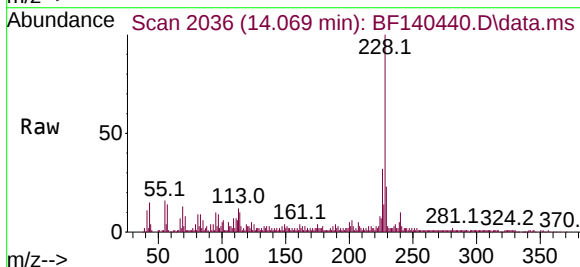
Instrument :
BNA_F
ClientSampleId :
NB-08-111424

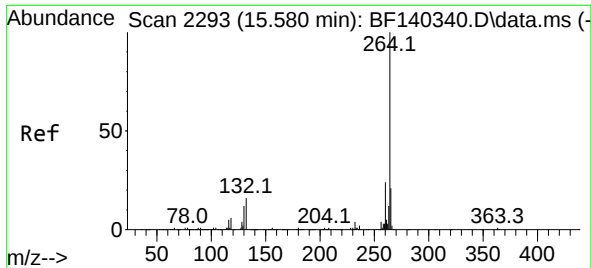
Tgt Ion:228 Resp: 62762
Ion Ratio Lower Upper
228 100
226 31.0 22.2 33.4
229 23.6 15.8 23.6



#83
Chrysene
Concen: 4.717 ng
RT: 14.069 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF140440.D
Acq: 16 Nov 2024 19:45

Tgt Ion:228 Resp: 59953
Ion Ratio Lower Upper
228 100
226 31.6 24.5 36.7
229 23.4 16.0 24.0



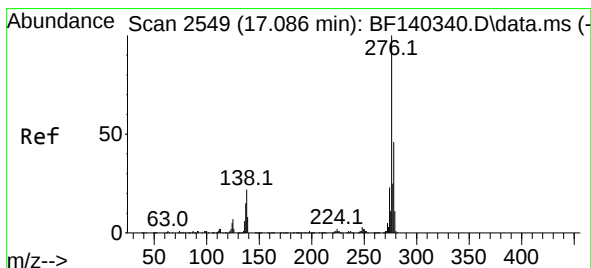
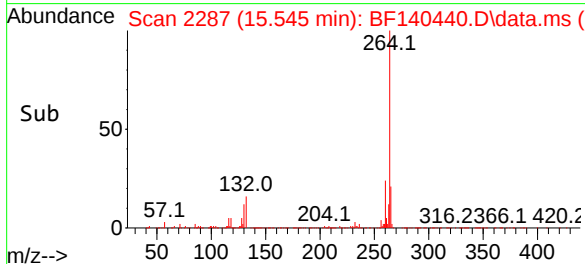
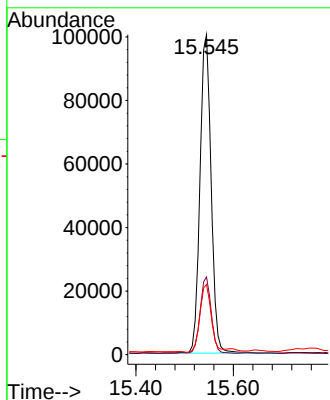
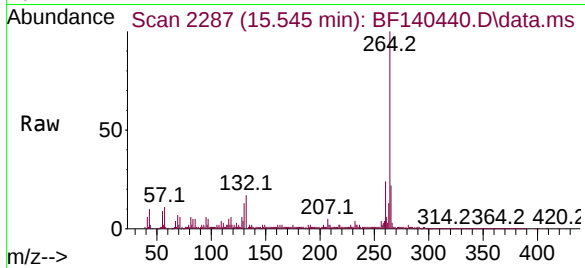


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF140440.D
Acq: 16 Nov 2024 19:45

Instrument :
BNA_F
ClientSampleId :
NB-08-111424

Tgt Ion:264 Resp: 158818

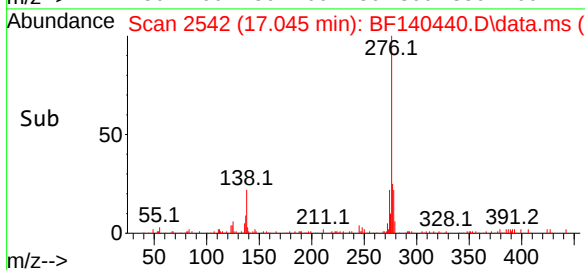
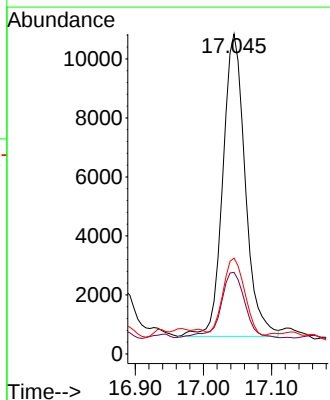
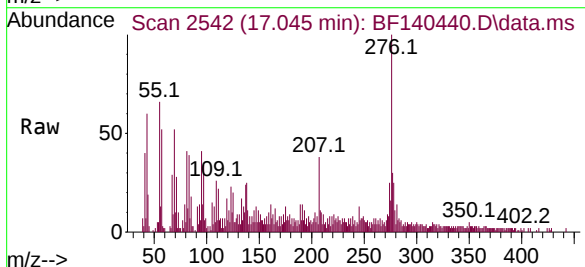
Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.9	17.1	25.7

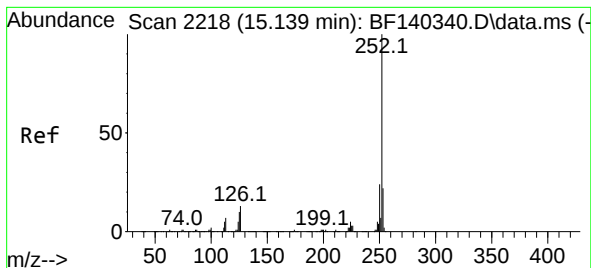


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.388 ng
RT: 17.045 min Scan# 2542
Delta R.T. -0.012 min
Lab File: BF140440.D
Acq: 16 Nov 2024 19:45

Tgt Ion:276 Resp: 23429

Ion	Ratio	Lower	Upper
276	100		
138	23.8	18.8	28.2
277	25.3	20.2	30.2





#88

Benzo(b)fluoranthene

Concen: 7.692 ng

RT: 15.110 min Scan# 2213

Delta R.T. -0.006 min

Lab File: BF140440.D

Acq: 16 Nov 2024 19:45

Instrument :

BNA_F

ClientSampleId :

NB-08-111424

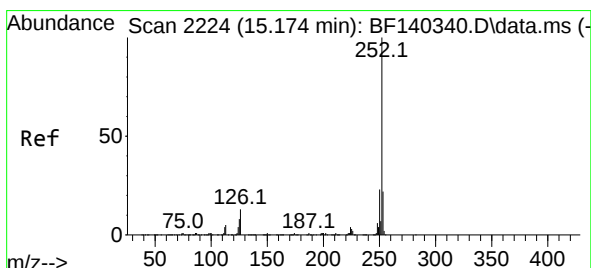
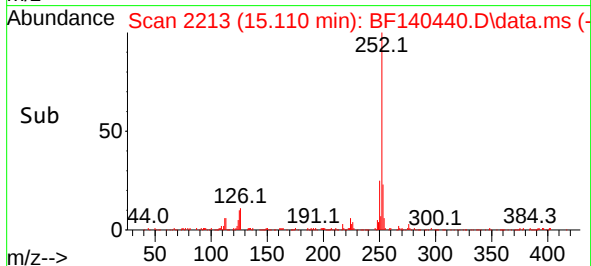
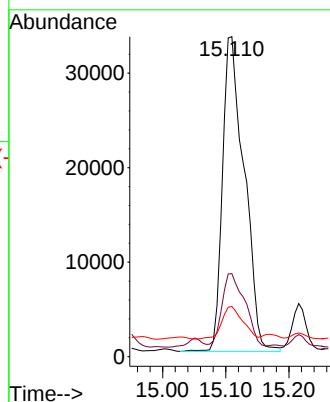
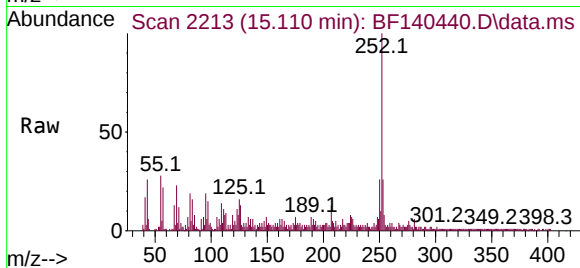
Tgt Ion:252 Resp: 79918

Ion Ratio Lower Upper

252 100

253 25.9 17.5 26.3

125 15.7 8.0 12.0#



#89

Benzo(k)fluoranthene

Concen: 9.416 ng

RT: 15.110 min Scan# 2213

Delta R.T. -0.041 min

Lab File: BF140440.D

Acq: 16 Nov 2024 19:45

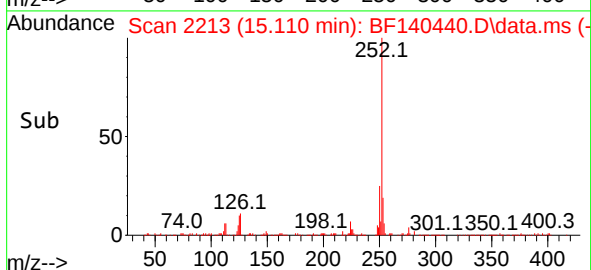
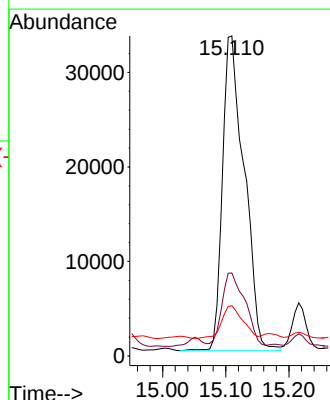
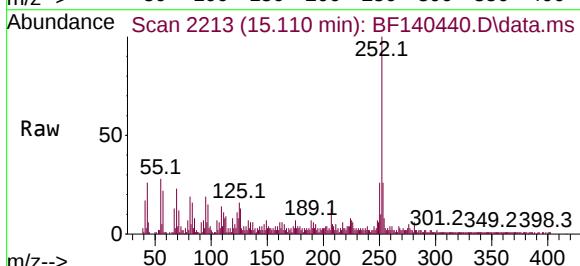
Tgt Ion:252 Resp: 79918

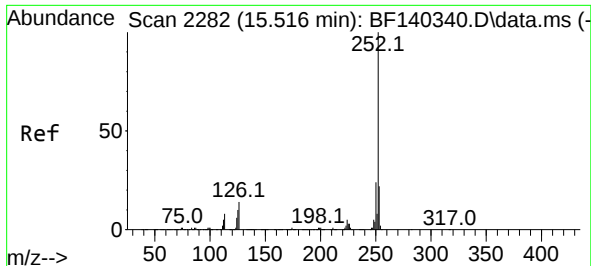
Ion Ratio Lower Upper

252 100

253 25.9 17.3 25.9#

125 15.7 7.4 11.2#

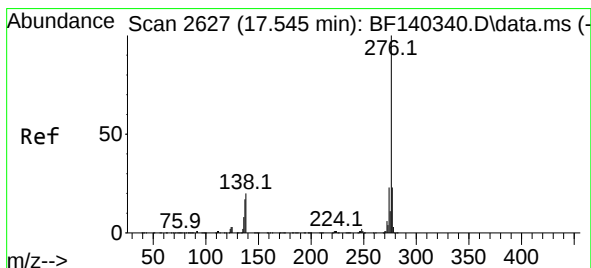
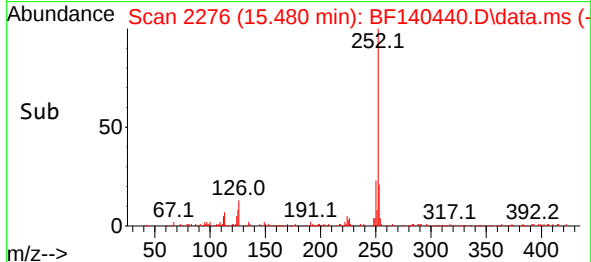
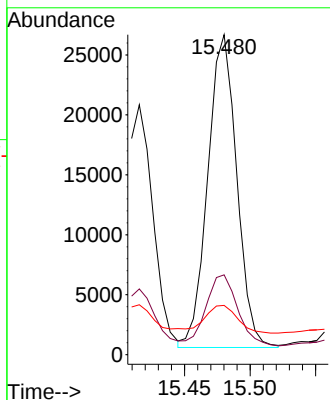
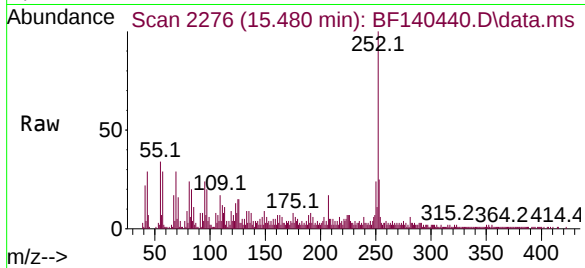




#90
Benzo(a)pyrene
Concen: 4.976 ng
RT: 15.480 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF140440.D
Acq: 16 Nov 2024 19:45

Instrument :
BNA_F
ClientSampleId :
NB-08-111424

Tgt Ion:252 Resp: 40148
Ion Ratio Lower Upper
252 100
253 24.9 17.8 26.6
125 15.4 8.4 12.6#



#92
Benzo(g,h,i)perylene
Concen: 3.148 ng
RT: 17.504 min Scan# 2620
Delta R.T. -0.012 min
Lab File: BF140440.D
Acq: 16 Nov 2024 19:45

Tgt Ion:276 Resp: 26102
Ion Ratio Lower Upper
276 100
277 29.7 18.6 28.0#
138 21.7 16.0 24.0

