

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110124\
 Data File : BF140211.D
 Acq On : 01 Nov 2024 15:20
 Operator : RC/JU
 Sample : P4659-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 01 16:00:49 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

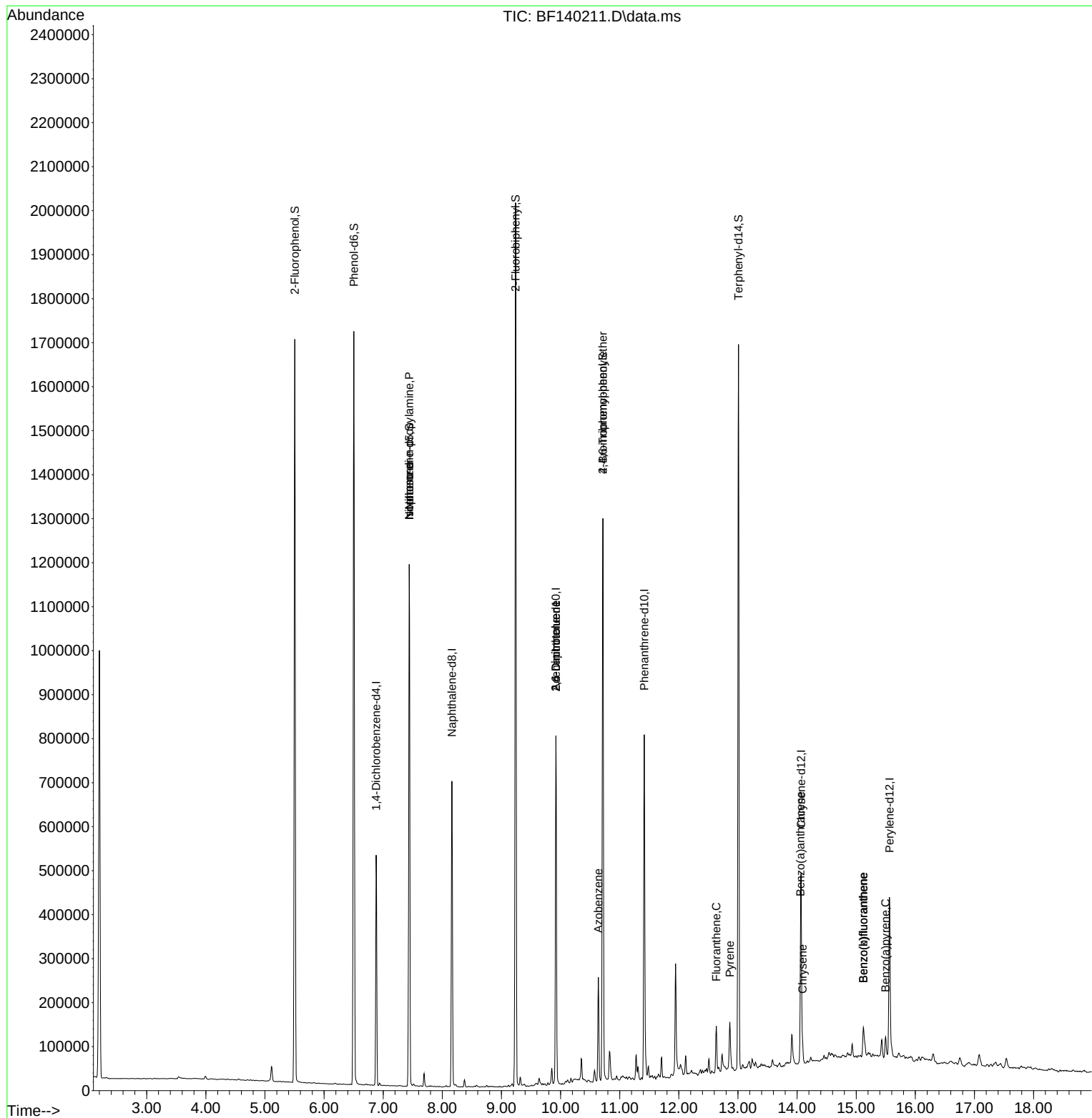
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	103728	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	409862	20.000	ng	-0.01
39) Acenaphthene-d10	9.922	164	230762	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	401019	20.000	ng	0.00
76) Chrysene-d12	14.068	240	192945	20.000	ng	0.02
86) Perylene-d12	15.562	264	220794	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	590649	89.142	ng	0.00
7) Phenol-d6	6.504	99	770217	89.752	ng	0.00
23) Nitrobenzene-d5	7.439	82	522432	70.646	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	206085	95.477	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	876561	62.779	ng	-0.01
79) Terphenyl-d14	13.010	244	802492	67.773	ng	0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	69577	13.368	ng	# 80
25) Isophorone	7.439	82	518675	36.954	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	30295	9.734	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	30295	7.916	ng	# 21
63) Azobenzene	10.639	77	59412	3.971	ng	# 1
67) 4-Bromophenyl-phenylether	10.716	248	13715	3.320	ng	# 1
75) Fluoranthene	12.633	202	56351	2.943	ng	100
78) Pyrene	12.863	202	59245	3.508	ng	99
81) Benzo(a)anthracene	14.057	228	28631	2.280	ng	97
83) Chrysene	14.092	228	26577	2.308	ng	98
88) Benzo(b)fluoranthene	15.121	252	58675	4.363	ng	# 95
89) Benzo(k)fluoranthene	15.121	252	58675	5.058	ng	# 95
90) Benzo(a)pyrene	15.498	252	31191	2.818	ng	# 95

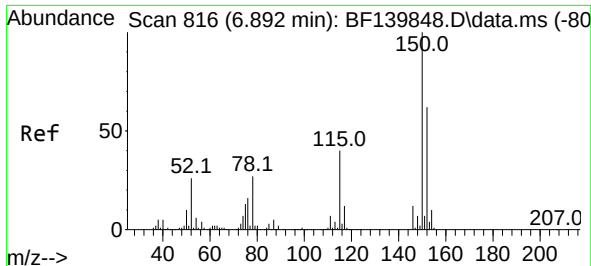
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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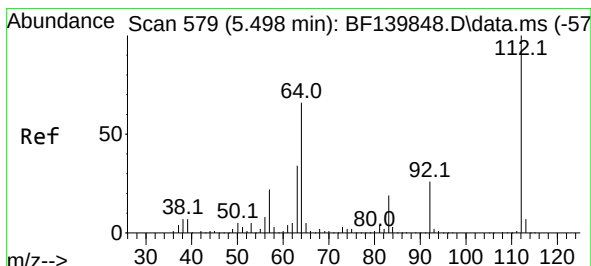
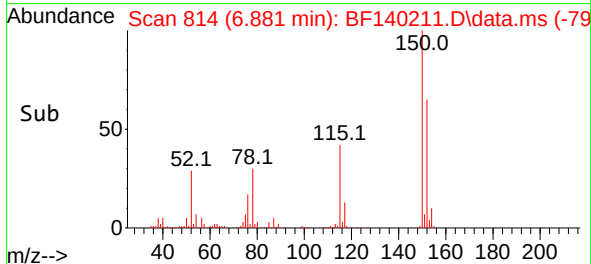
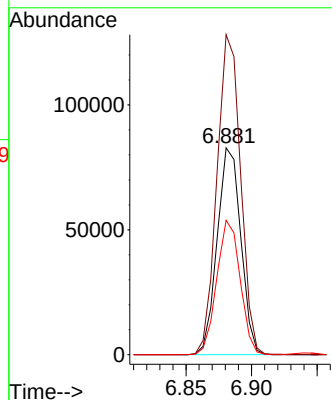
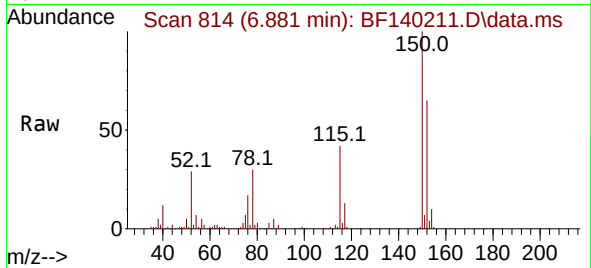




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 816
Delta R.T. -0.011 min
Lab File: BF140211.D
Acq: 01 Nov 2024 15:20

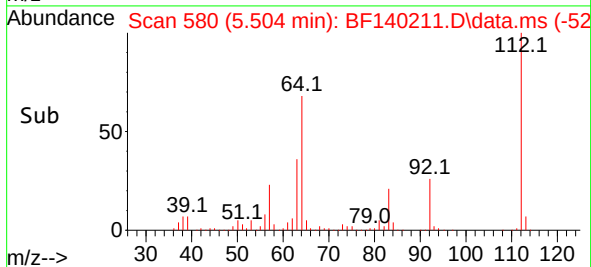
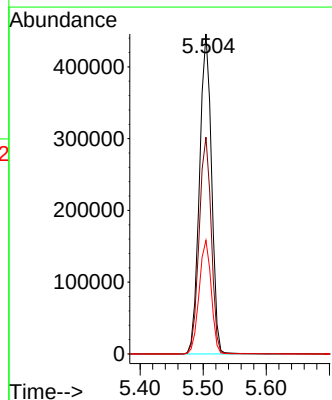
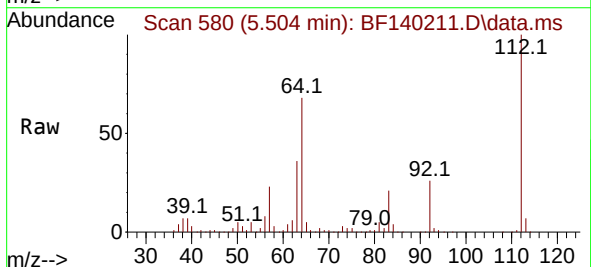
Instrument :
BNA_F
ClientSampleId :

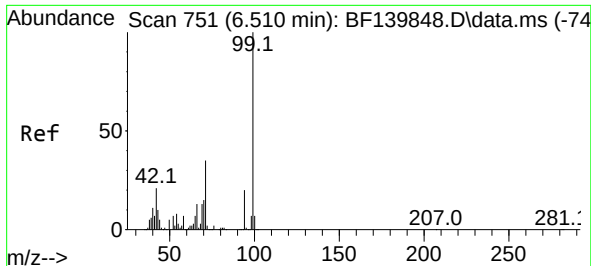
Tgt Ion:152 Resp: 103728
Ion Ratio Lower Upper
152 100
150 154.7 130.2 195.2
115 65.0 51.4 77.2



#5
2-Fluorophenol
Concen: 89.142 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140211.D
Acq: 01 Nov 2024 15:20

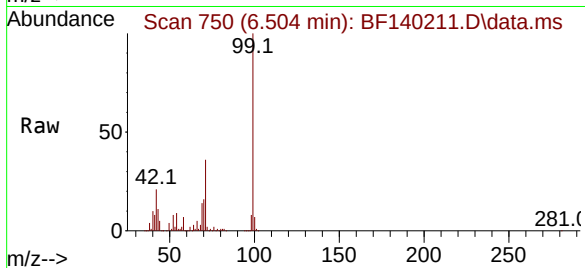
Tgt Ion:112 Resp: 590649
Ion Ratio Lower Upper
112 100
64 67.8 53.0 79.6
63 35.5 27.0 40.4



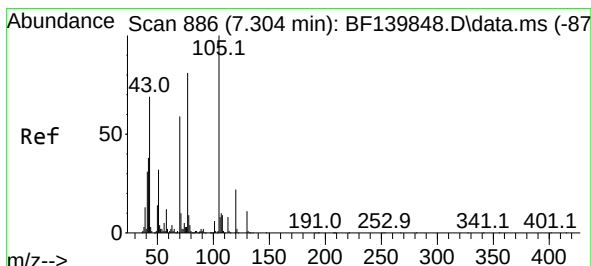
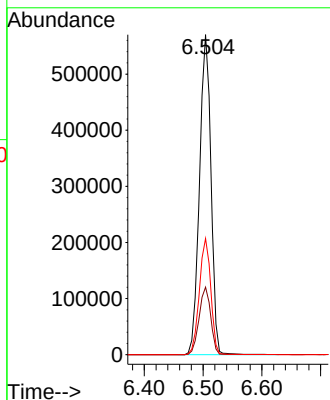
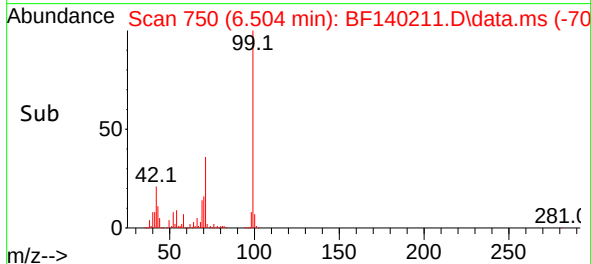


#7
Phenol-d6
Concen: 89.752 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140211.D
Acq: 01 Nov 2024 15:20

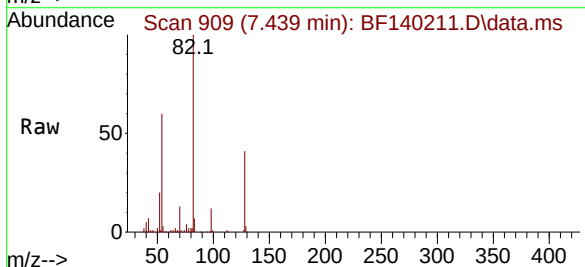
Instrument :
BNA_F
ClientSampleId :



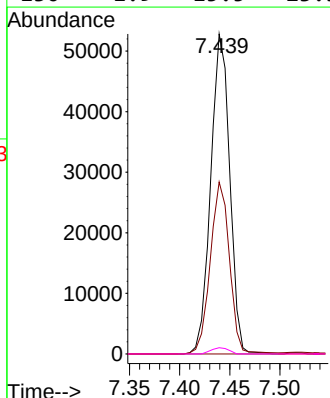
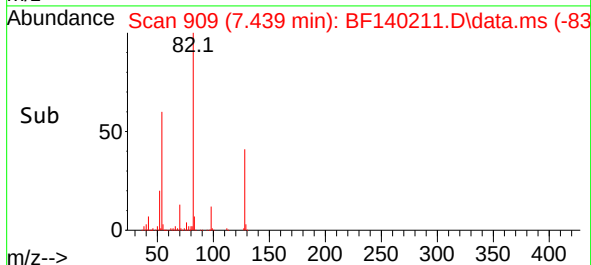
Tgt Ion: 99 Resp: 770217
Ion Ratio Lower Upper
99 100
42 21.1 16.7 25.1
71 36.3 27.7 41.5

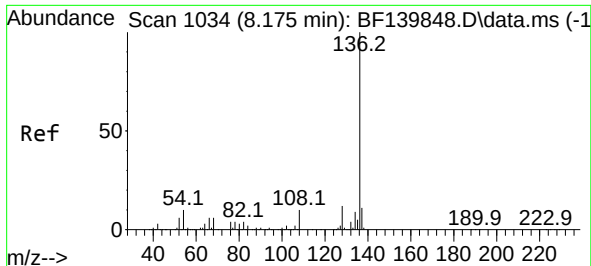


#19
n-Nitroso-di-n-propylamine
Concen: 13.368 ng
RT: 7.439 min Scan# 909
Delta R.T. 0.135 min
Lab File: BF140211.D
Acq: 01 Nov 2024 15:20



Tgt Ion: 70 Resp: 69577
Ion Ratio Lower Upper
70 100
42 53.7 51.5 77.3
101 0.0 7.5 11.3#
130 1.9 15.5 23.3#



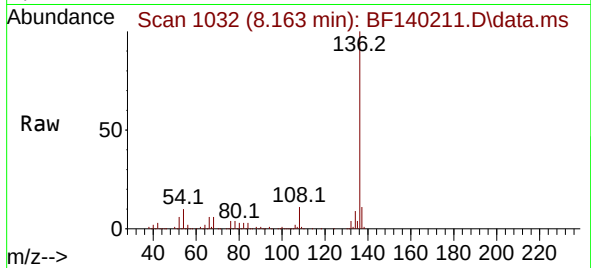


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 10
Delta R.T. -0.012 min
Lab File: BF140211.D
Acq: 01 Nov 2024 15:20

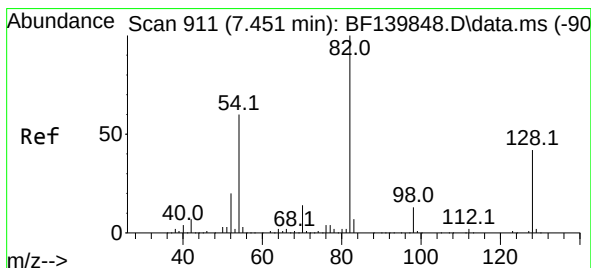
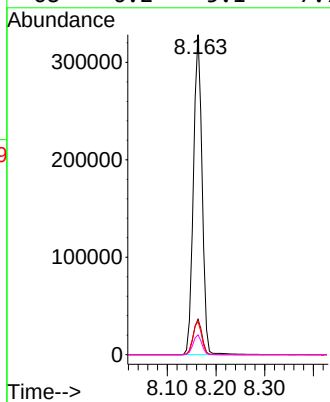
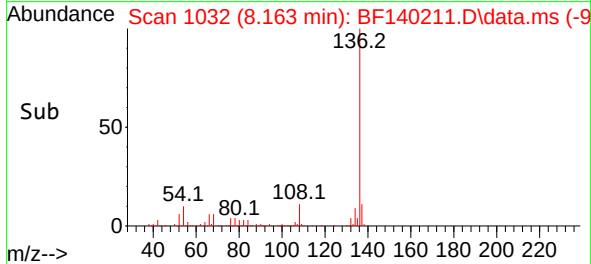
Instrument :

BNA_F

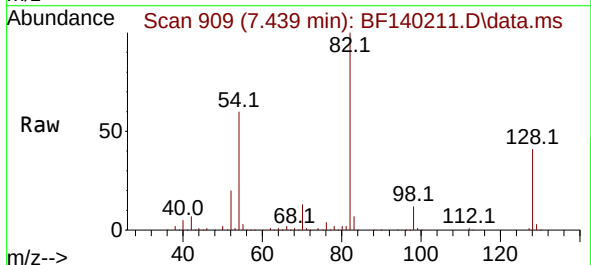
ClientSampleId :



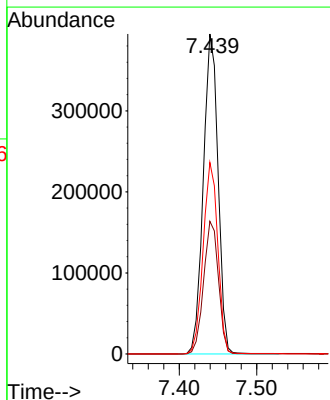
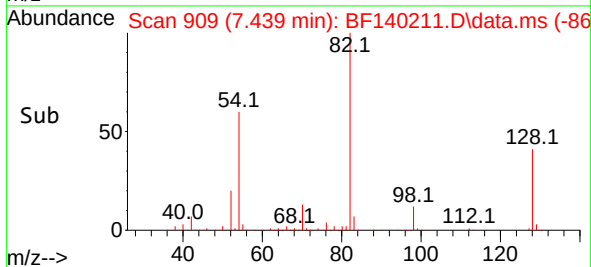
Tgt Ion:	136	Resp:	409862
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	12.8
54	10.3	8.4	12.6
68	6.2	5.1	7.7

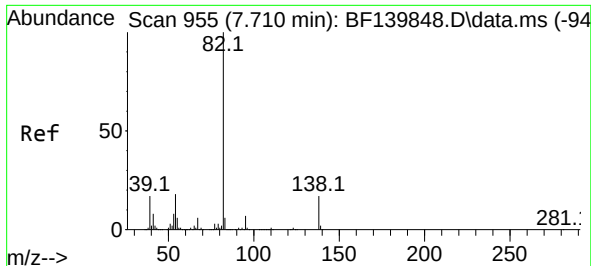


#23
Nitrobenzene-d5
Concen: 70.646 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF140211.D
Acq: 01 Nov 2024 15:20



Tgt Ion:	82	Resp:	522432
Ion	Ratio	Lower	Upper
82	100		
128	41.5	33.4	50.0
54	59.9	47.8	71.8

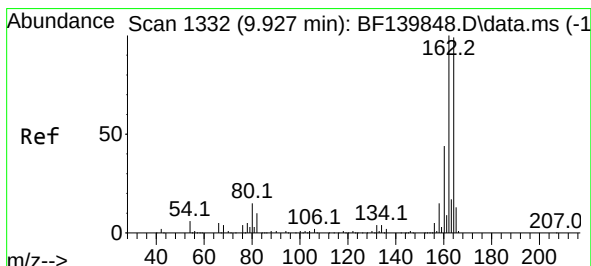
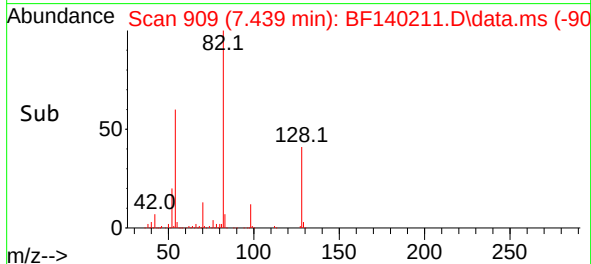
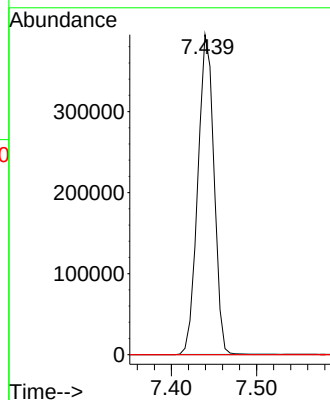
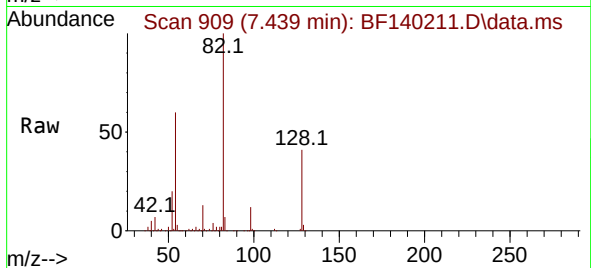




#25
Isophorone
Concen: 36.954 ng
RT: 7.439 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF140211.D
Acq: 01 Nov 2024 15:20

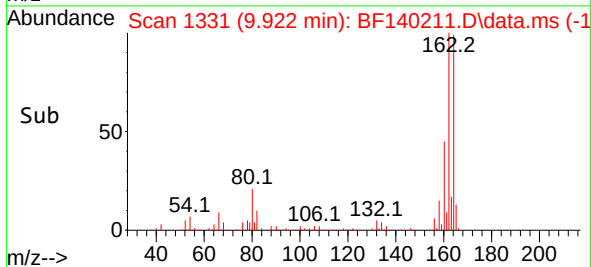
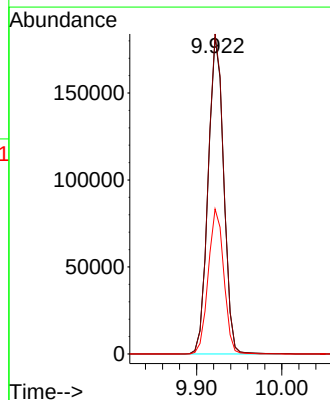
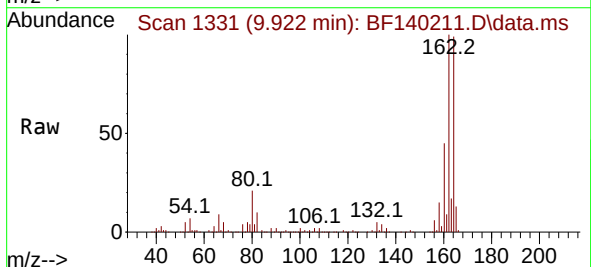
Instrument :
BNA_F
ClientSampleId :

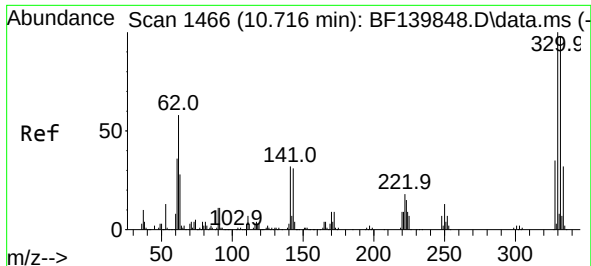
Tgt Ion: 82 Resp: 518675
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF140211.D
Acq: 01 Nov 2024 15:20

Tgt Ion:164 Resp: 230762
Ion Ratio Lower Upper
164 100
162 101.0 81.0 121.4
160 45.8 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 95.477 ng

RT: 10.716 min Scan# 1466

Delta R.T. 0.000 min

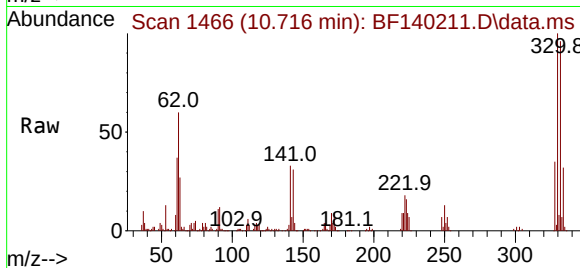
Lab File: BF140211.D

Acq: 01 Nov 2024 15:20

Instrument :

BNA_F

ClientSampleId :



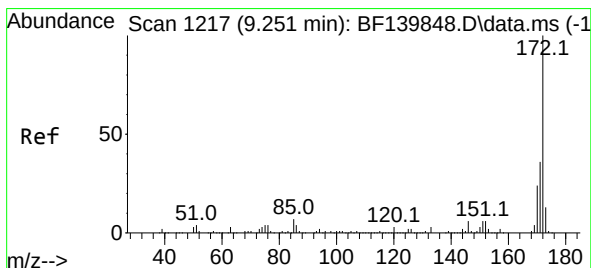
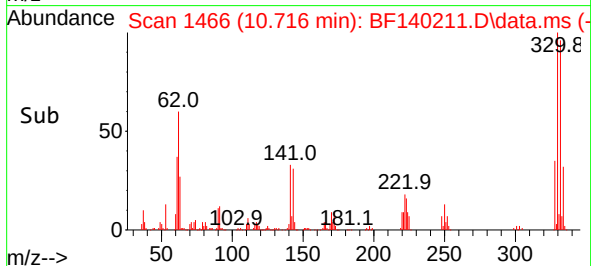
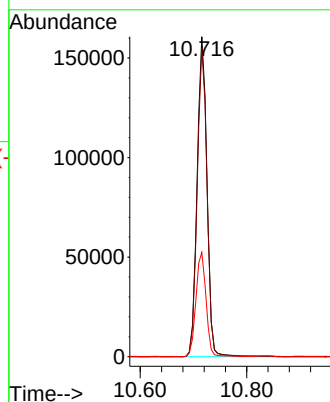
Tgt Ion:330 Resp: 206085

Ion Ratio Lower Upper

330 100

332 96.4 78.1 117.1

141 33.6 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 62.779 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.012 min

Lab File: BF140211.D

Acq: 01 Nov 2024 15:20

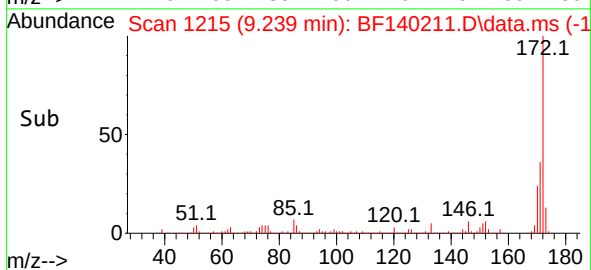
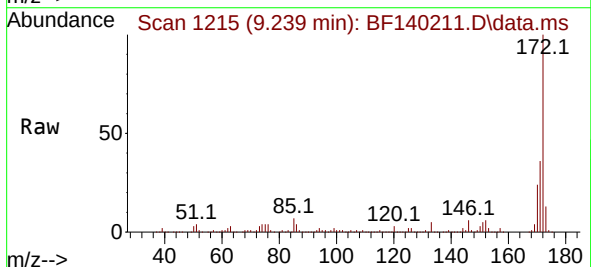
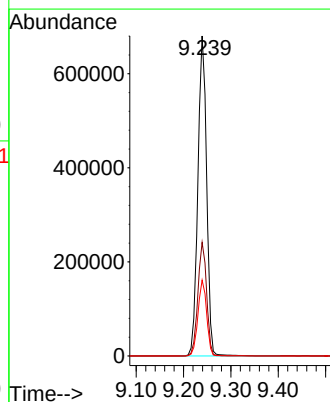
Tgt Ion:172 Resp: 876561

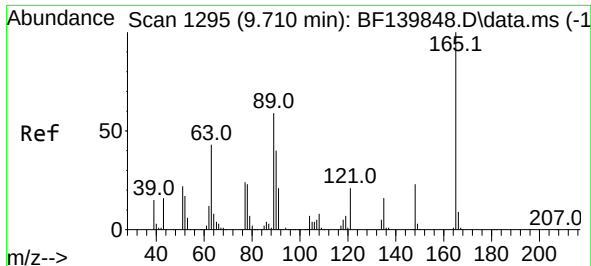
Ion Ratio Lower Upper

172 100

171 35.5 28.6 43.0

170 23.7 19.1 28.7

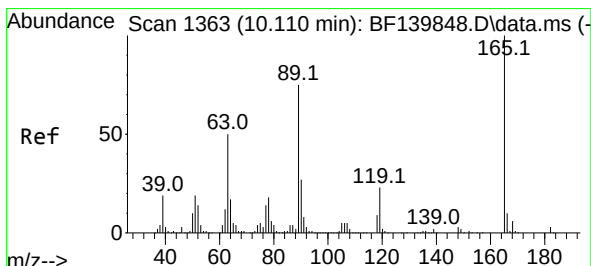
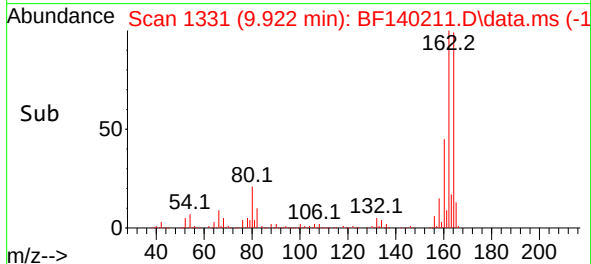
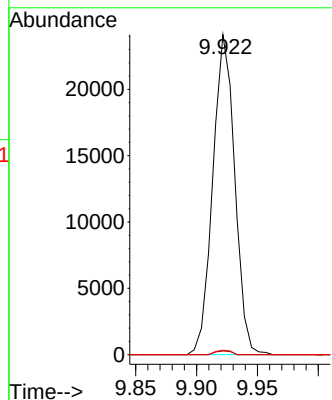
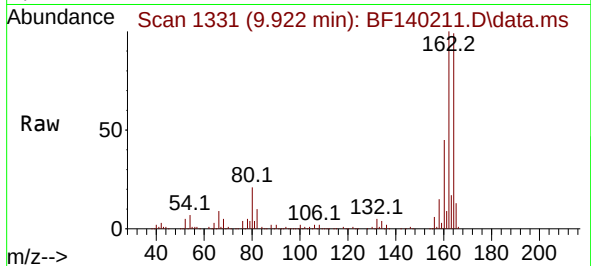




#51
2,6-Dinitrotoluene
Concen: 9.734 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF140211.D
Acq: 01 Nov 2024 15:20

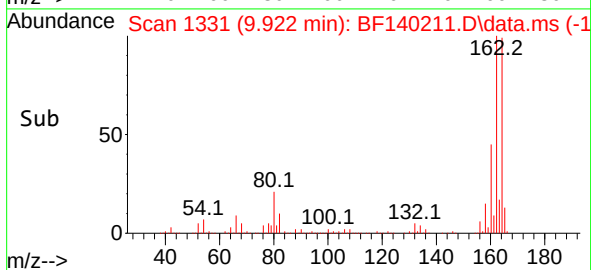
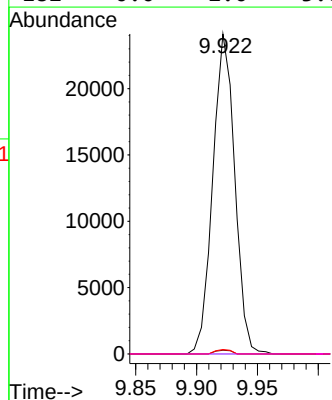
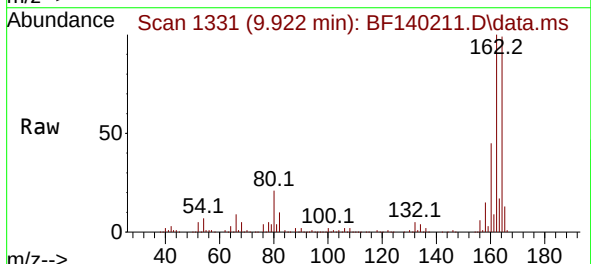
Instrument :
BNA_F
ClientSampleId :

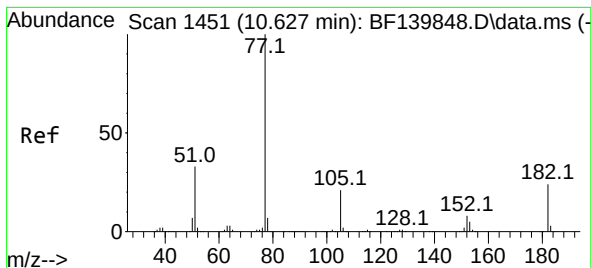
Tgt Ion:165 Resp: 30295
Ion Ratio Lower Upper
165 100
63 1.1 50.6 75.8#
89 1.4 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.916 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF140211.D
Acq: 01 Nov 2024 15:20

Tgt Ion:165 Resp: 30295
Ion Ratio Lower Upper
165 100
63 1.1 40.1 60.1#
89 1.4 60.4 90.6#
182 0.0 2.0 3.0#





#63

Azobenzene

Concen: 3.971 ng

RT: 10.639 min Scan# 1451

Delta R.T. 0.012 min

Lab File: BF140211.D

Acq: 01 Nov 2024 15:20

Instrument :

BNA_F

ClientSampleId :

Tgt Ion: 77 Resp: 59412

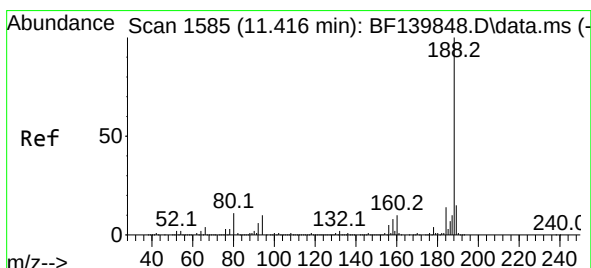
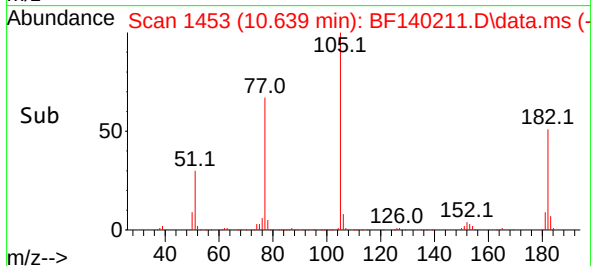
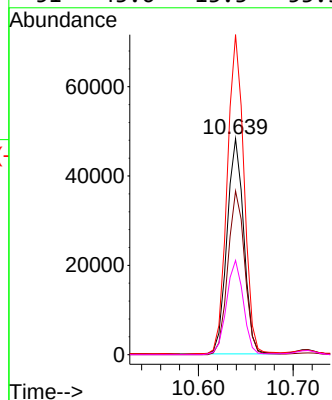
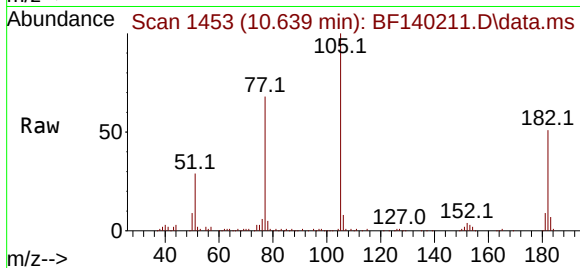
Ion Ratio Lower Upper

77 100

182 75.8 3.3 43.3#

105 148.1 1.2 41.2#

51 43.6 13.3 53.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1585

Delta R.T. 0.000 min

Lab File: BF140211.D

Acq: 01 Nov 2024 15:20

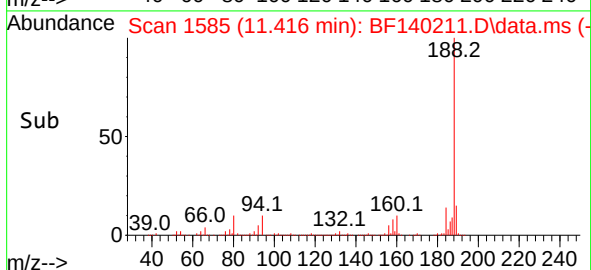
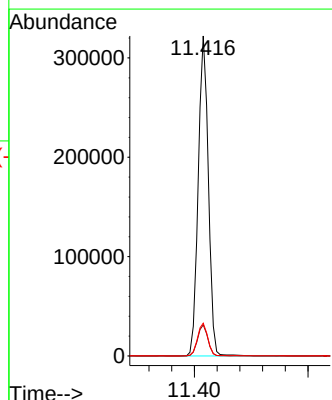
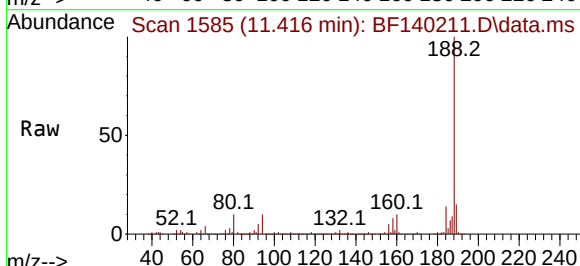
Tgt Ion:188 Resp: 401019

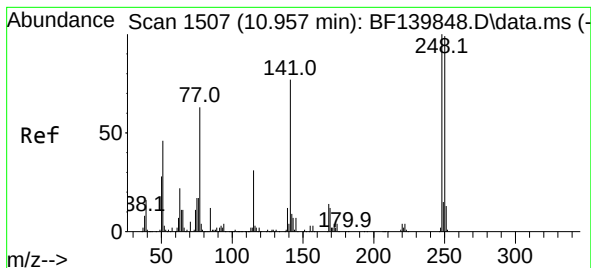
Ion Ratio Lower Upper

188 100

94 9.7 7.9 11.9

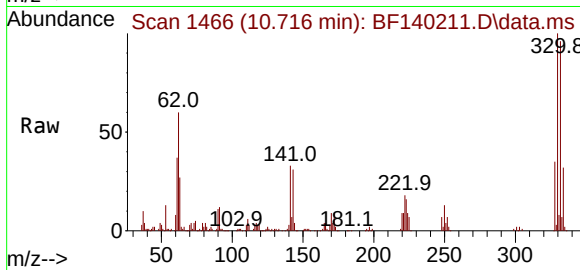
80 10.3 9.0 13.4



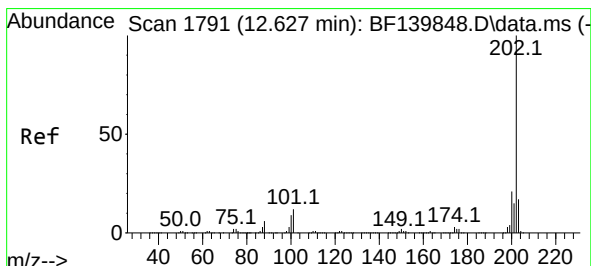
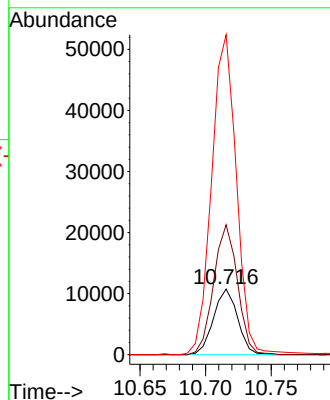
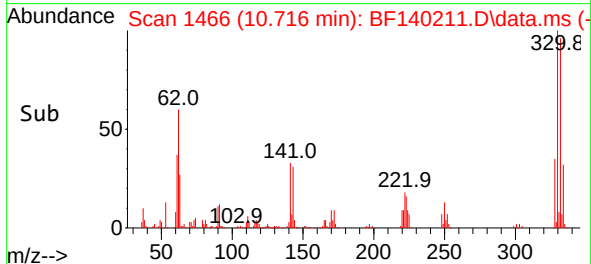


#67
4-Bromophenyl-phenylether
Concen: 3.320 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.241 min
Lab File: BF140211.D
Acq: 01 Nov 2024 15:20

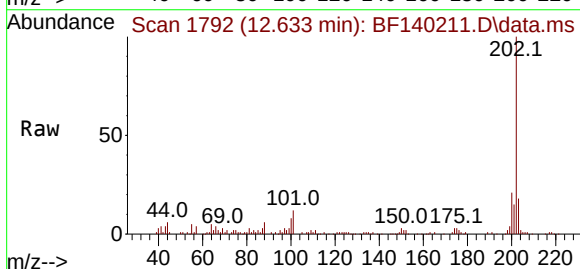
Instrument :
BNA_F
ClientSampleId :



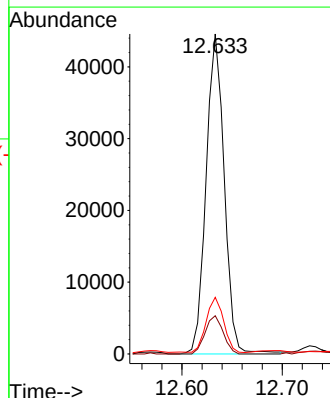
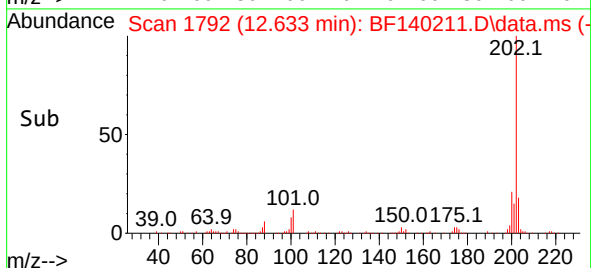
Tgt Ion:248 Resp: 13715
Ion Ratio Lower Upper
248 100
250 198.2 79.0 118.6#
141 487.9 61.7 92.5#

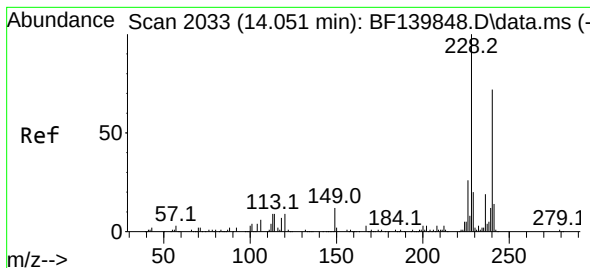


#75
Fluoranthene
Concen: 2.943 ng
RT: 12.633 min Scan# 1792
Delta R.T. 0.006 min
Lab File: BF140211.D
Acq: 01 Nov 2024 15:20



Tgt Ion:202 Resp: 56351
Ion Ratio Lower Upper
202 100
101 11.9 0.0 31.9
203 17.7 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.068 min Scan# 2036

Delta R.T. 0.018 min

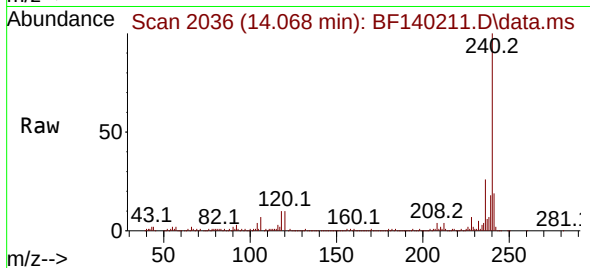
Lab File: BF140211.D

Acq: 01 Nov 2024 15:20

Instrument :

BNA_F

ClientSampleId :



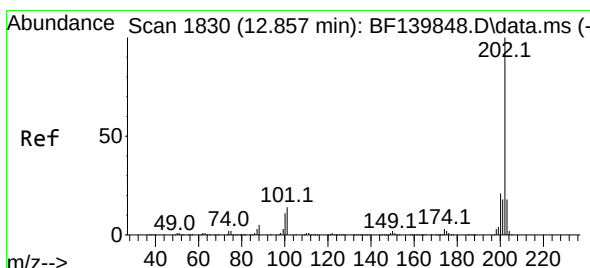
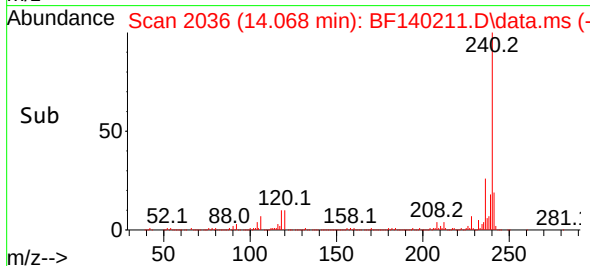
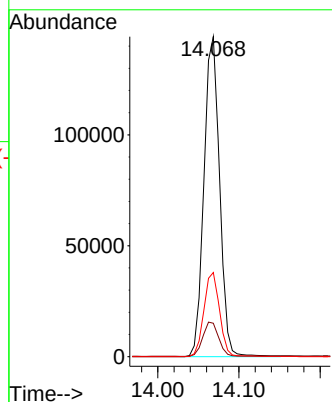
Tgt Ion:240 Resp: 192945

Ion Ratio Lower Upper

240 100

120 10.4 9.4 14.2

236 26.3 20.9 31.3



#78

Pyrene

Concen: 3.508 ng

RT: 12.863 min Scan# 1831

Delta R.T. 0.006 min

Lab File: BF140211.D

Acq: 01 Nov 2024 15:20

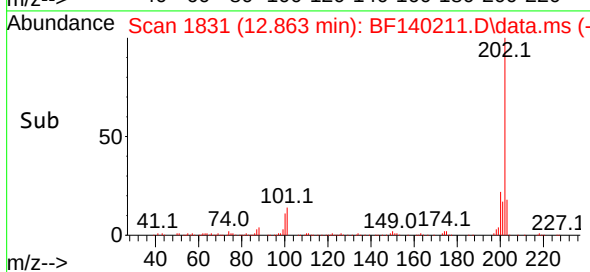
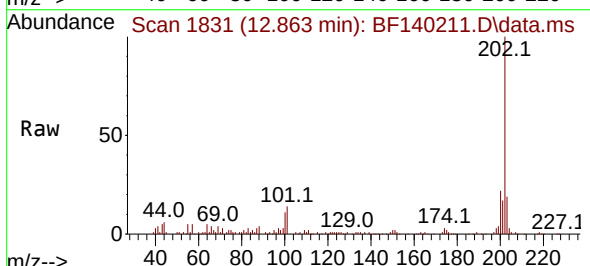
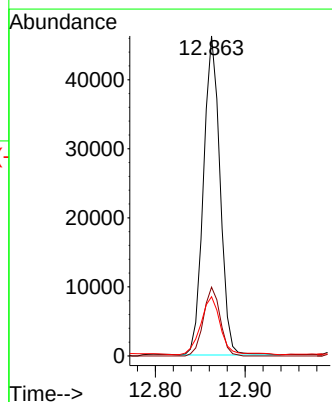
Tgt Ion:202 Resp: 59245

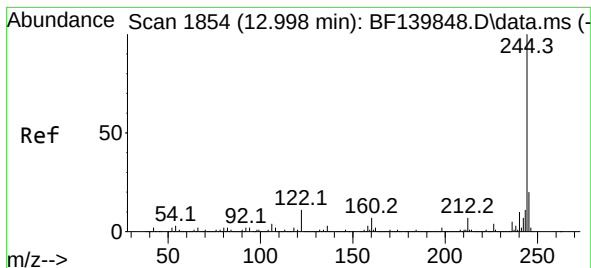
Ion Ratio Lower Upper

202 100

200 21.5 17.2 25.8

203 18.5 14.2 21.4





#79

Terphenyl-d14

Concen: 67.773 ng

RT: 13.010 min Scan# 1

Delta R.T. 0.012 min

Lab File: BF140211.D

Acq: 01 Nov 2024 15:20

Instrument :

BNA_F

ClientSampleId :

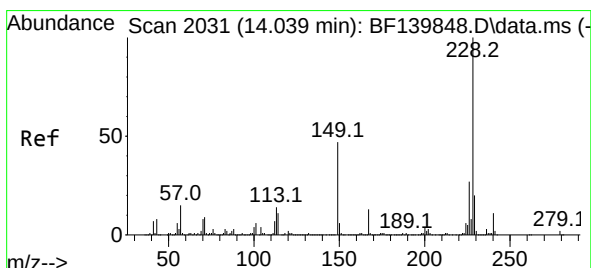
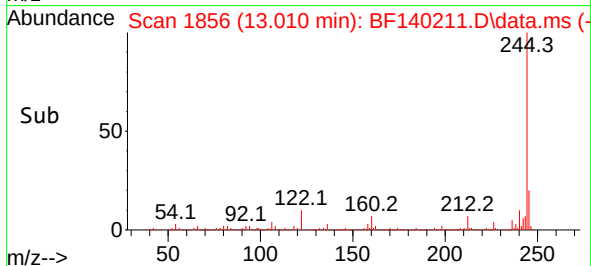
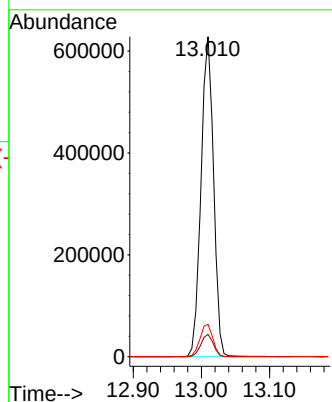
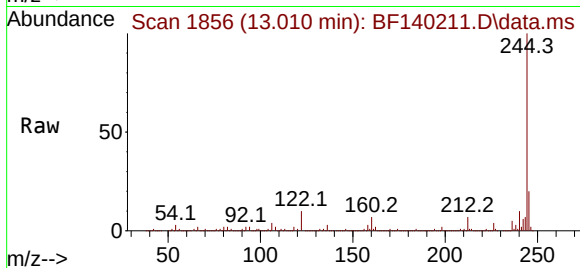
Tgt Ion:244 Resp: 802492

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

122 10.1 8.6 13.0



#81

Benzo(a)anthracene

Concen: 2.280 ng

RT: 14.057 min Scan# 2034

Delta R.T. 0.018 min

Lab File: BF140211.D

Acq: 01 Nov 2024 15:20

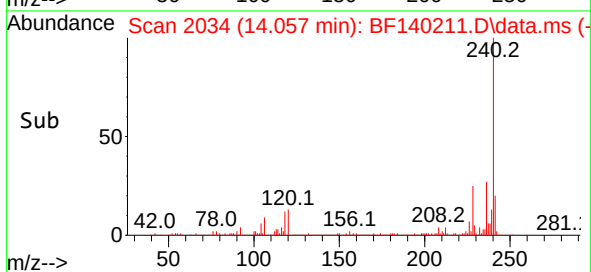
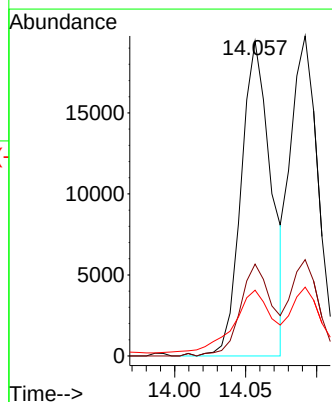
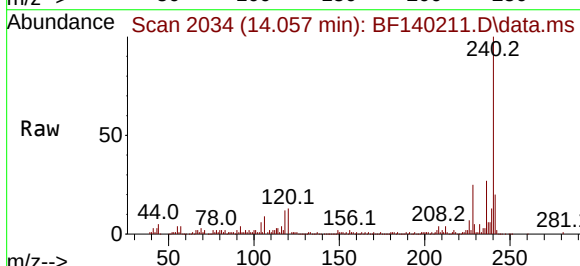
Tgt Ion:228 Resp: 28631

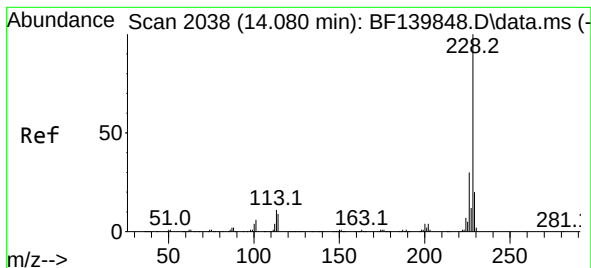
Ion Ratio Lower Upper

228 100

226 29.2 21.6 32.4

229 20.9 16.1 24.1





#83

Chrysene

Concen: 2.308 ng

RT: 14.092 min Scan# 2038

Delta R.T. 0.012 min

Lab File: BF140211.D

Acq: 01 Nov 2024 15:20

Instrument :

BNA_F

ClientSampleId :

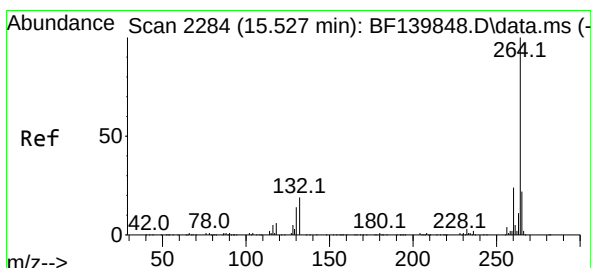
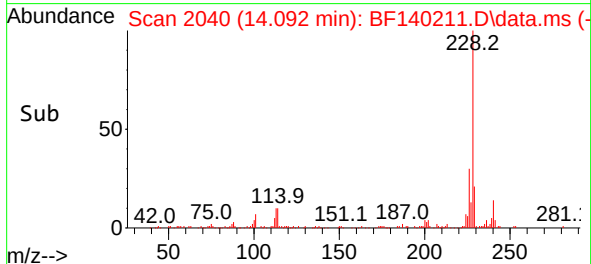
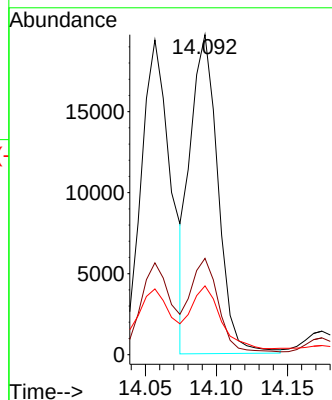
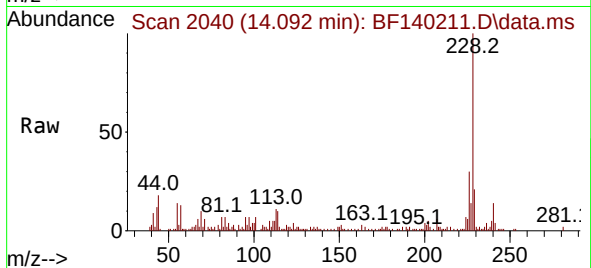
Tgt Ion:228 Resp: 26577

Ion Ratio Lower Upper

228 100

226 30.1 24.1 36.1

229 21.5 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.562 min Scan# 2290

Delta R.T. 0.035 min

Lab File: BF140211.D

Acq: 01 Nov 2024 15:20

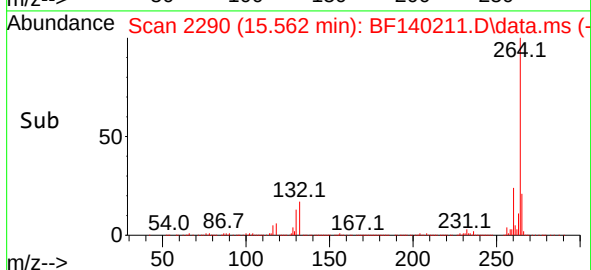
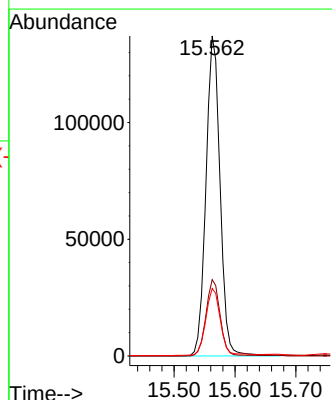
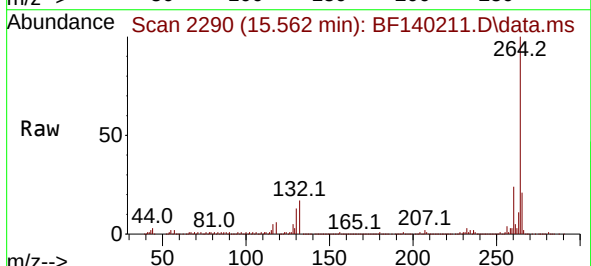
Tgt Ion:264 Resp: 220794

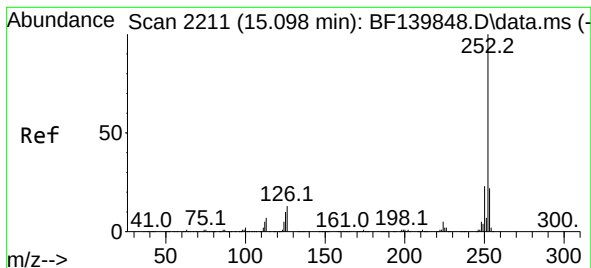
Ion Ratio Lower Upper

264 100

260 23.8 19.4 29.2

265 21.1 17.4 26.0





#88

Benzo(b)fluoranthene

Concen: 4.363 ng

RT: 15.121 min Scan# 2215

Delta R.T. 0.024 min

Lab File: BF140211.D

Acq: 01 Nov 2024 15:20

Instrument :

BNA_F

ClientSampleId :

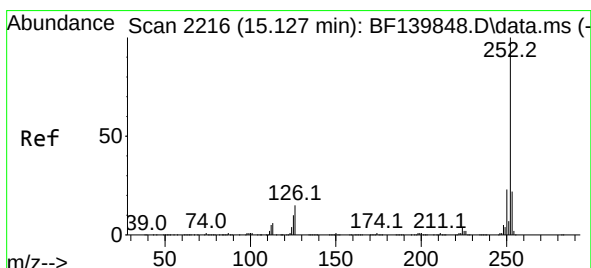
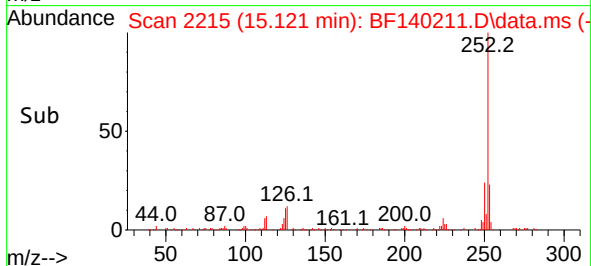
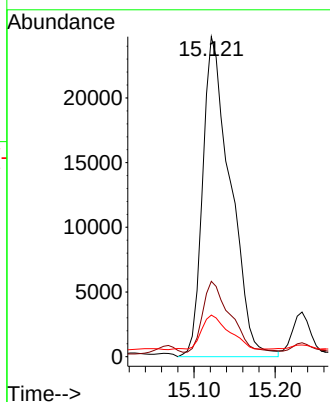
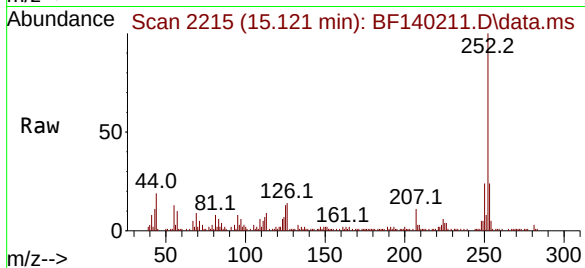
Tgt Ion:252 Resp: 58675

Ion Ratio Lower Upper

252 100

253 23.5 17.6 26.4

125 13.0 7.9 11.9#



#89

Benzo(k)fluoranthene

Concen: 5.058 ng

RT: 15.121 min Scan# 2215

Delta R.T. -0.006 min

Lab File: BF140211.D

Acq: 01 Nov 2024 15:20

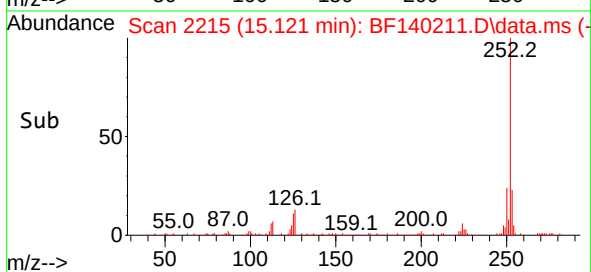
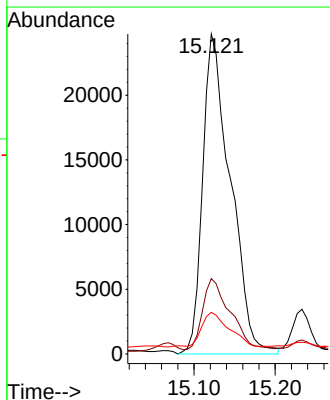
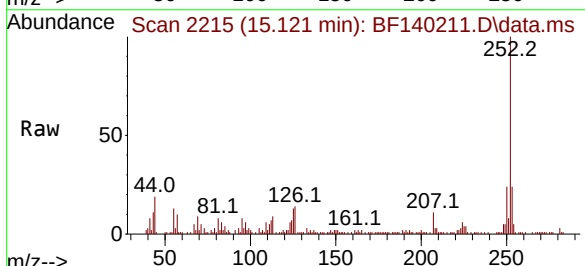
Tgt Ion:252 Resp: 58675

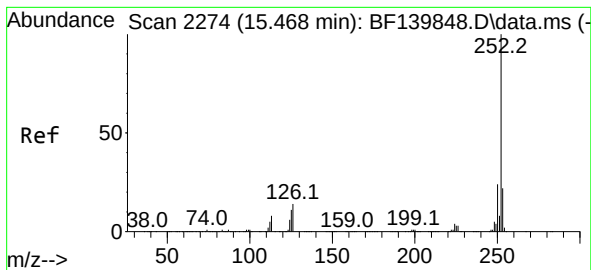
Ion Ratio Lower Upper

252 100

253 23.5 17.6 26.4

125 13.0 7.9 11.9#





#90

Benzo(a)pyrene

Concen: 2.818 ng

RT: 15.498 min Scan# 21

Delta R.T. 0.029 min

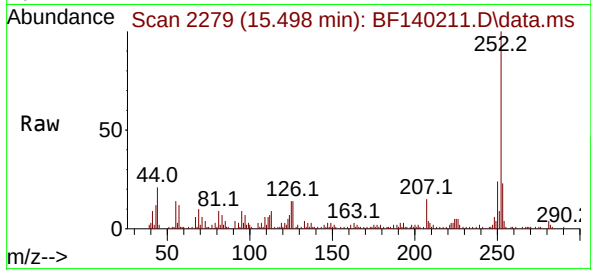
Lab File: BF140211.D

Acq: 01 Nov 2024 15:20

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:252 Resp: 31191

Ion Ratio Lower Upper

252 100

253 23.2 17.3 25.9

125 13.9 8.7 13.1#

