

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082724\
 Data File : BF139192.D
 Acq On : 27 Aug 2024 17:52
 Operator : RC/JU
 Sample : P3739-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-4

Quant Time: Aug 28 00:48:35 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 27 02:51:47 2024
 Response via : Initial Calibration

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

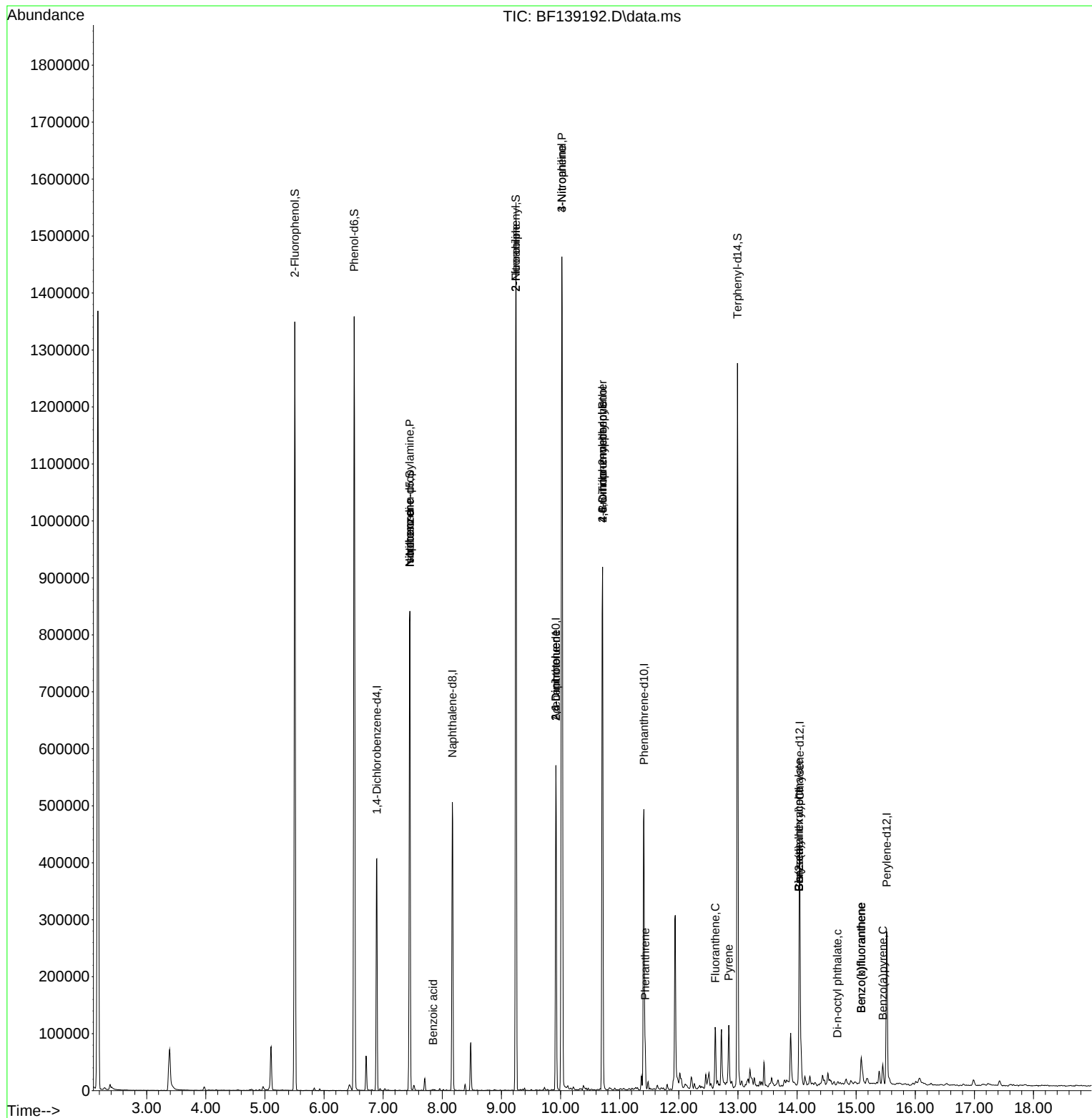
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	81460	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	294015	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	161290	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	254014	20.000	ng	0.00
76) Chrysene-d12	14.045	240	178281	20.000	ng	0.00
86) Perylene-d12	15.516	264	152902	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	454557	93.766	ng	0.00
7) Phenol-d6	6.510	99	600547	90.265	ng	-0.01
23) Nitrobenzene-d5	7.451	82	381546	71.893	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	140020	101.363	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	623141	60.014	ng	0.00
79) Terphenyl-d14	12.992	244	594715	52.050	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	51787	13.014	ng	# 77
24) Nitrobenzene	7.451	77	1181	3.433	ng	# 43
25) Isophorone	7.451	82	380929	36.296	ng	# 68
32) Benzoic acid	7.845	122	524	9.676	ng	91
48) 2-Nitroaniline	9.245	65	1223	6.171	ng	# 1
51) 2,6-Dinitrotoluene	9.922	165	20584	14.400	ng	# 14
53) 3-Nitroaniline	10.022	138	13647	10.527	ng	# 1
56) 4-Nitrophenol	10.022	139	1964	6.239	ng	# 1
57) 2,4-Dinitrotoluene	9.922	165	20584	13.062	ng	# 15
65) 4,6-Dinitro-2-methylph...	10.710	198	242	7.140	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	9635	3.570	ng	# 1
71) Phenanthrene	11.433	178	40590	3.162	ng	100
75) Fluoranthene	12.616	202	57685	4.631	ng	99
78) Pyrene	12.845	202	58451	3.490	ng	98
81) Benzo(a)anthracene	14.033	228	34320	2.905	ng	98
83) Chrysene	14.033	228	34320	3.221	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	737	3.363	ng	# 54
85) Di-n-octyl phthalate	14.680	149	325	8.986	ng	# 1
88) Benzo(b)fluoranthene	15.086	252	39365	4.401	ng	97
89) Benzo(k)fluoranthene	15.086	252	39365	4.868	ng	97
90) Benzo(a)pyrene	15.451	252	20174	2.657	ng	98

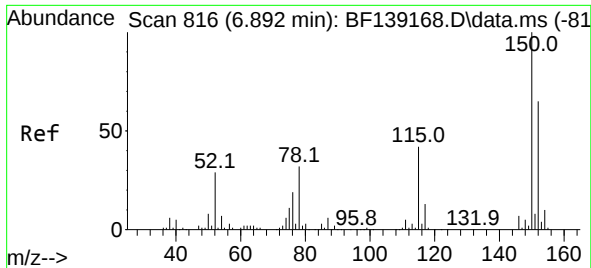
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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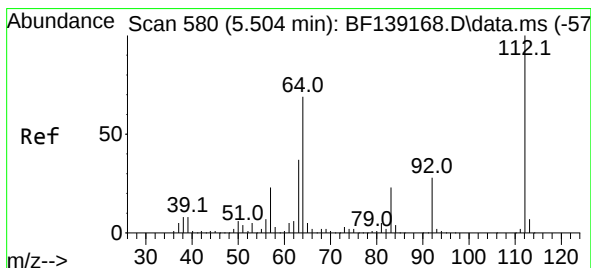
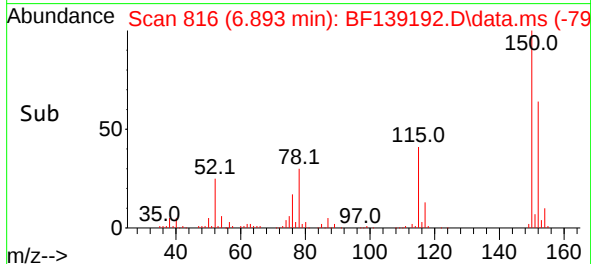
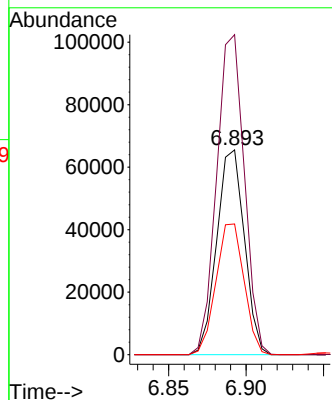
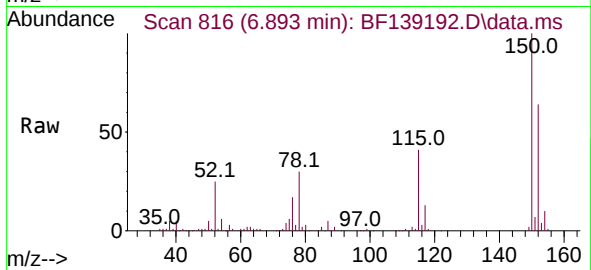




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 816
Delta R.T. 0.001 min
Lab File: BF139192.D
Acq: 27 Aug 2024 17:52

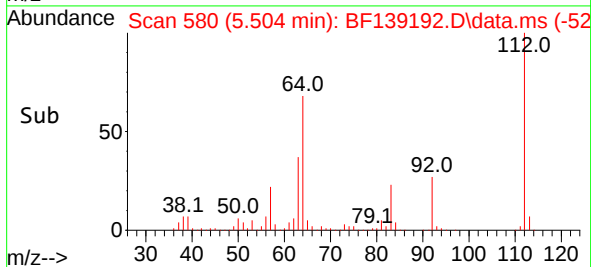
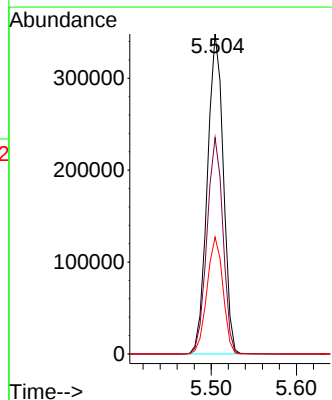
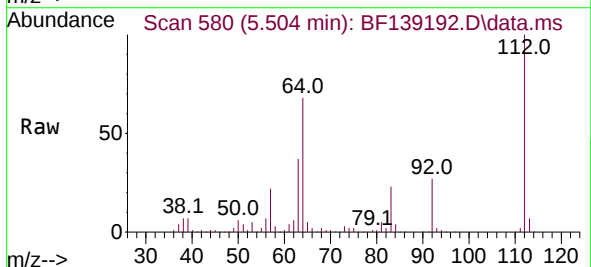
Instrument :
BNA_F
ClientSampleId :
WC-4

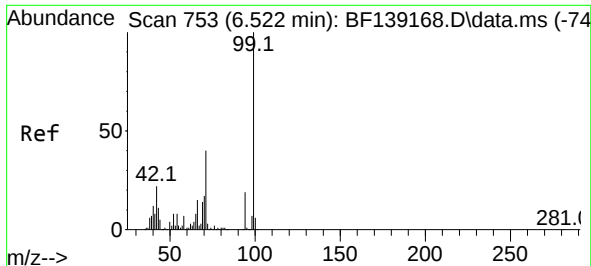
Tgt Ion:152 Resp: 81460
Ion Ratio Lower Upper
152 100
150 156.2 123.7 185.5
115 63.8 51.8 77.8



#5
2-Fluorophenol
Concen: 93.766 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.000 min
Lab File: BF139192.D
Acq: 27 Aug 2024 17:52

Tgt Ion:112 Resp: 454557
Ion Ratio Lower Upper
112 100
64 67.6 55.5 83.3
63 36.5 29.8 44.6

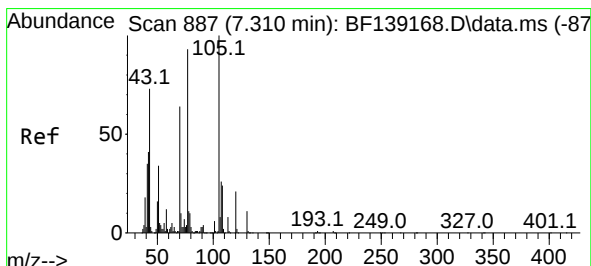
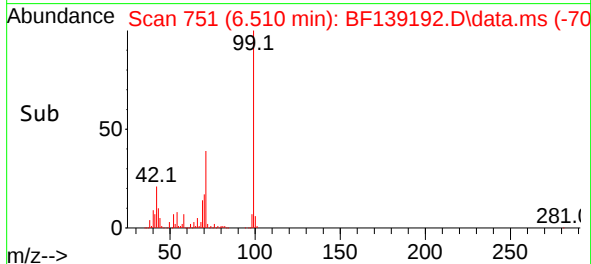
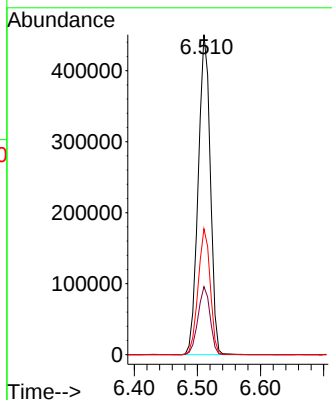
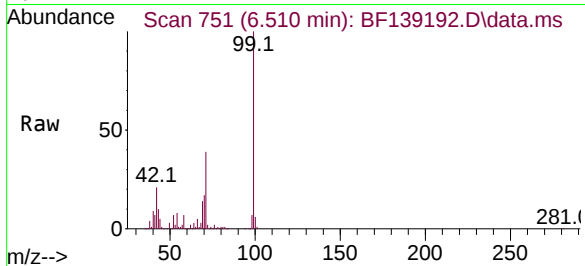




#7
Phenol-d6
Concen: 90.265 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.012 min
Lab File: BF139192.D
Acq: 27 Aug 2024 17:52

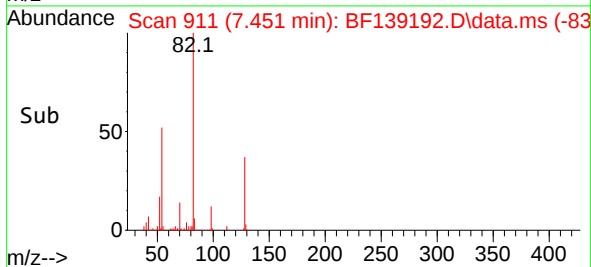
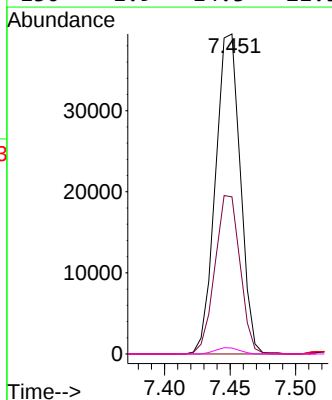
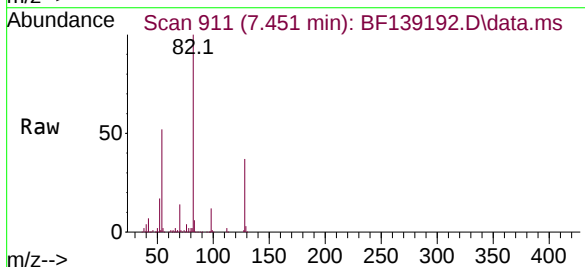
Instrument :
BNA_F
ClientSampleId :
WC-4

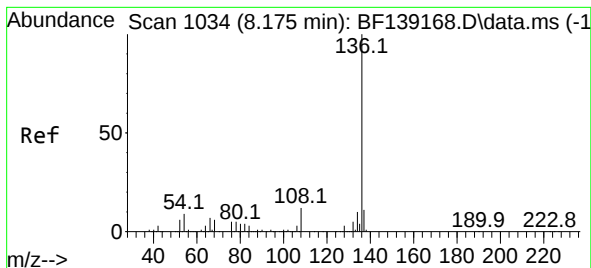
Tgt Ion: 99 Resp: 600547
Ion Ratio Lower Upper
99 100
42 21.3 17.9 26.9
71 39.4 31.7 47.5



#19
n-Nitroso-di-n-propylamine
Concen: 13.014 ng
RT: 7.451 min Scan# 911
Delta R.T. 0.141 min
Lab File: BF139192.D
Acq: 27 Aug 2024 17:52

Tgt Ion: 70 Resp: 51787
Ion Ratio Lower Upper
70 100
42 49.1 50.8 76.2#
101 0.0 7.4 11.0#
130 1.9 14.3 21.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139192.D

Acq: 27 Aug 2024 17:52

Instrument :

BNA_F

ClientSampleId :

WC-4

Tgt Ion:136 Resp: 294015

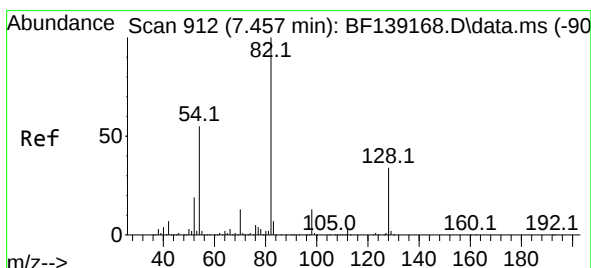
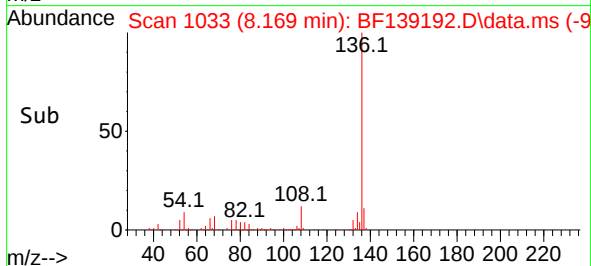
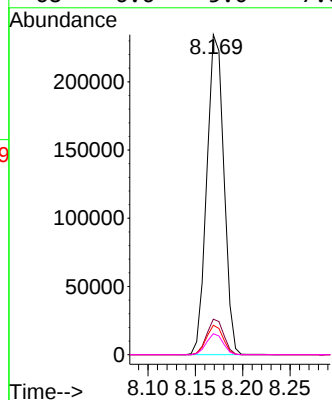
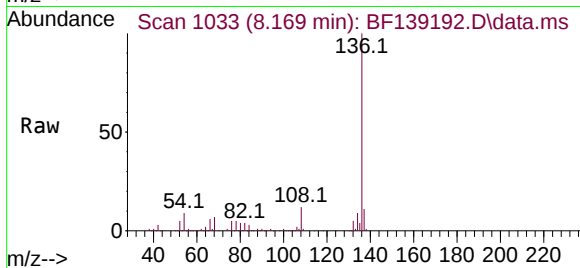
Ion Ratio Lower Upper

136 100

137 11.1 8.6 12.8

54 9.2 7.6 11.4

68 6.6 5.0 7.6



#23

Nitrobenzene-d5

Concen: 71.893 ng

RT: 7.451 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF139192.D

Acq: 27 Aug 2024 17:52

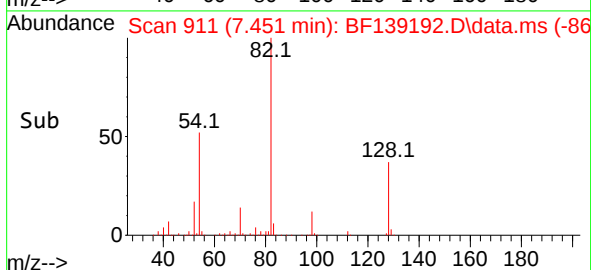
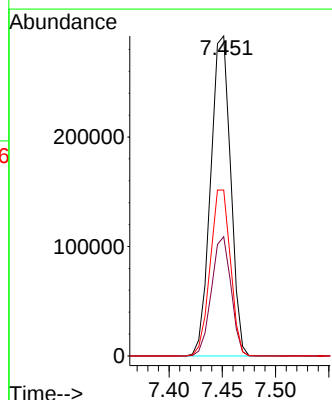
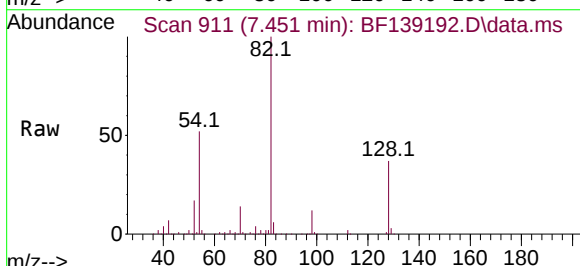
Tgt Ion: 82 Resp: 381546

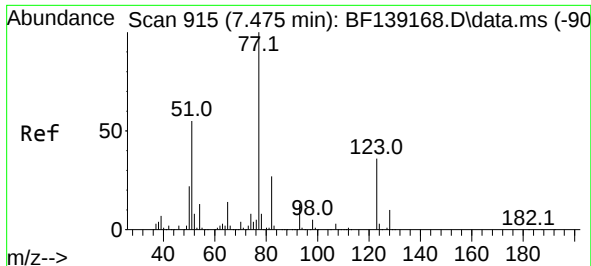
Ion Ratio Lower Upper

82 100

128 37.3 27.1 40.7

54 51.9 44.2 66.4

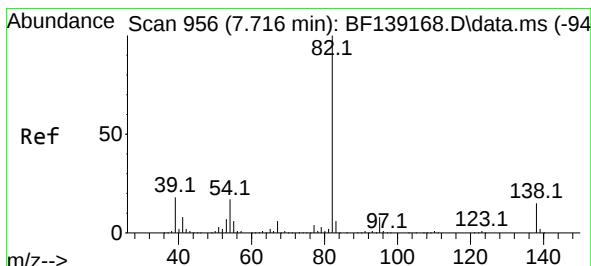
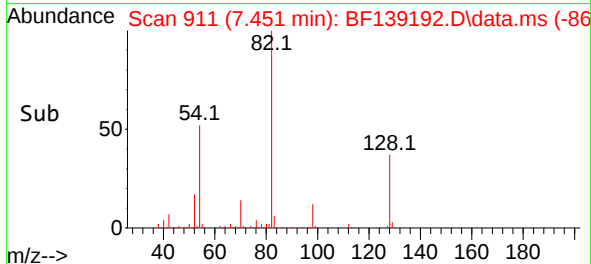
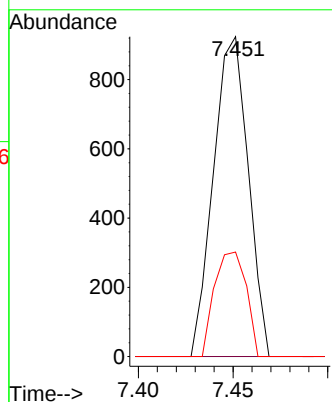
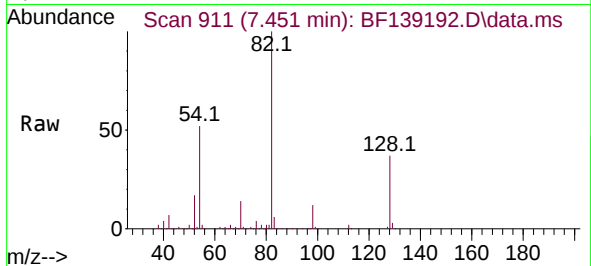




#24
 Nitrobenzene
 Concen: 3.433 ng
 RT: 7.451 min Scan# 911
 Delta R.T. -0.024 min
 Lab File: BF139192.D
 Acq: 27 Aug 2024 17:52

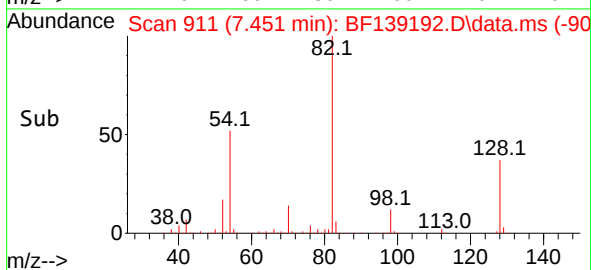
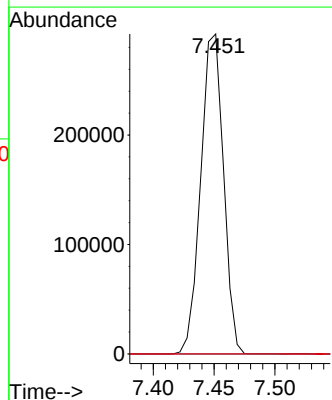
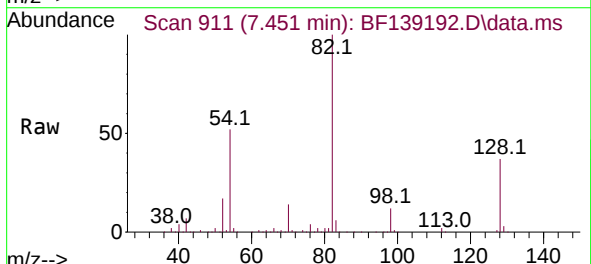
Instrument :
 BNA_F
 ClientSampleId :
 WC-4

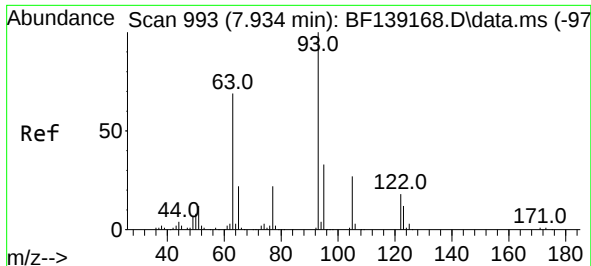
Tgt Ion: 77 Resp: 1181
 Ion Ratio Lower Upper
 77 100
 123 0.0 28.7 43.1#
 65 32.7 10.9 16.3#



#25
 Isophorone
 Concen: 36.296 ng
 RT: 7.451 min Scan# 911
 Delta R.T. -0.265 min
 Lab File: BF139192.D
 Acq: 27 Aug 2024 17:52

Tgt Ion: 82 Resp: 380929
 Ion Ratio Lower Upper
 82 100
 95 0.0 6.1 9.1#
 138 0.0 12.2 18.4#

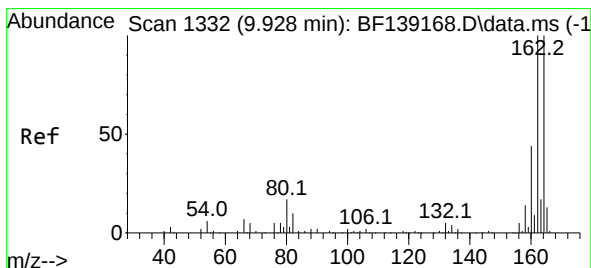
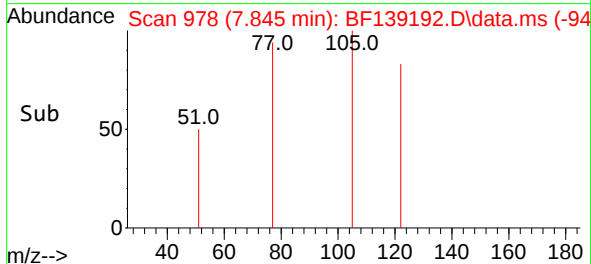
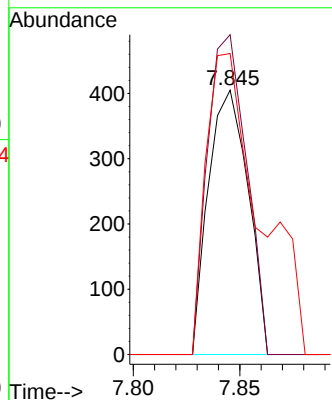
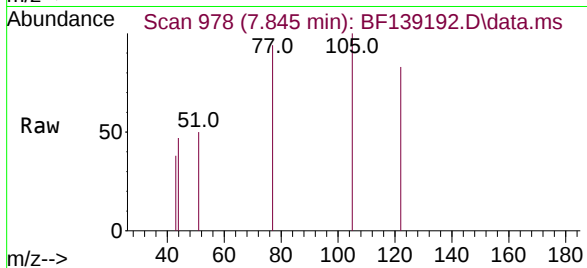




#32
Benzoic acid
Concen: 9.676 ng
RT: 7.845 min Scan# 91
Delta R.T. -0.089 min
Lab File: BF139192.D
Acq: 27 Aug 2024 17:52

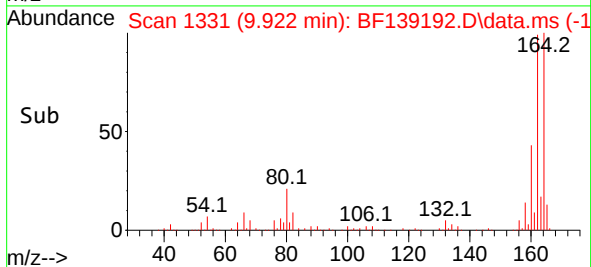
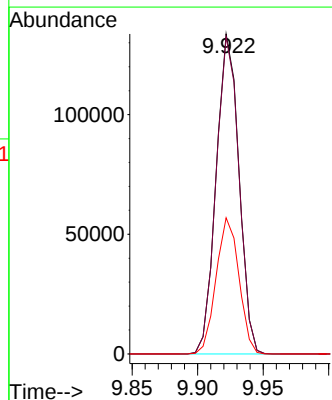
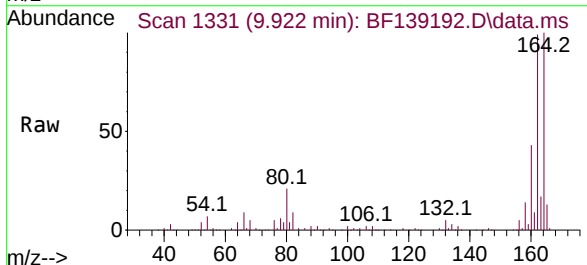
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BNA_F
ClientSampleId :
WC-4

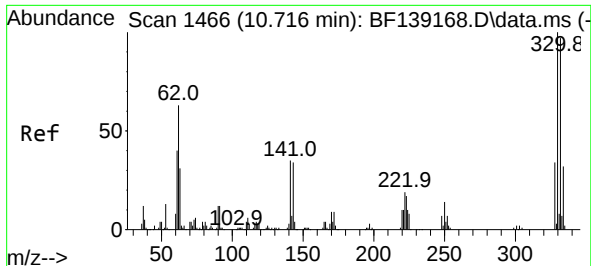
Tgt Ion:122 Resp: 524
Ion Ratio Lower Upper
122 100
105 121.0 118.9 158.9
77 113.8 96.4 136.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF139192.D
Acq: 27 Aug 2024 17:52

Tgt Ion:164 Resp: 161290
Ion Ratio Lower Upper
164 100
162 99.1 80.0 120.0
160 42.5 35.0 52.6





#42

2,4,6-Tribromophenol

Concen: 101.363 ng

RT: 10.710 min Scan# 1466

Delta R.T. -0.006 min

Lab File: BF139192.D

Acq: 27 Aug 2024 17:52

Instrument :

BNA_F

ClientSampleId :

WC-4

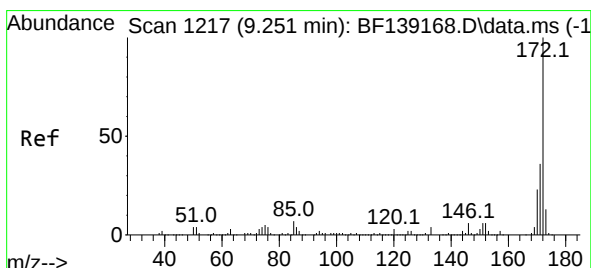
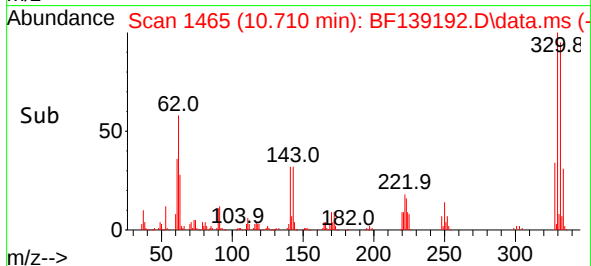
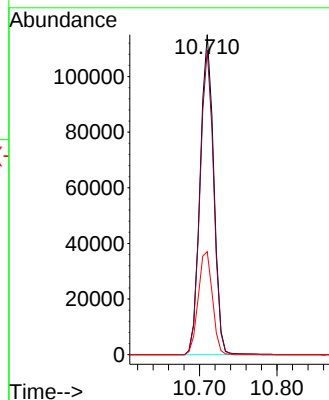
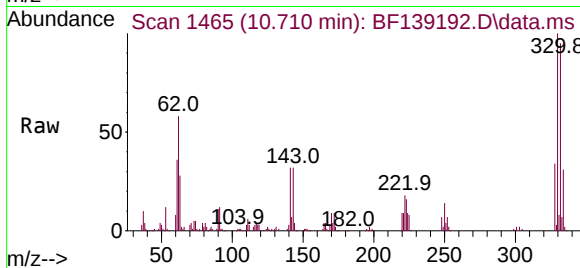
Tgt Ion:330 Resp: 140020

Ion Ratio Lower Upper

330 100

332 95.1 77.3 115.9

141 33.5 28.8 43.2



#45

2-Fluorobiphenyl

Concen: 60.014 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF139192.D

Acq: 27 Aug 2024 17:52

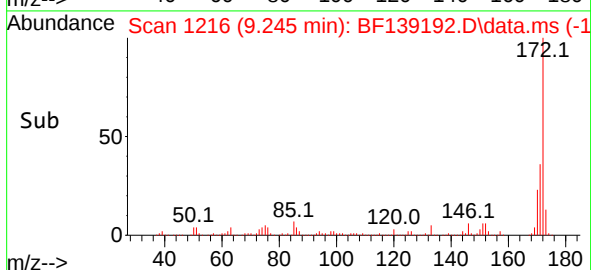
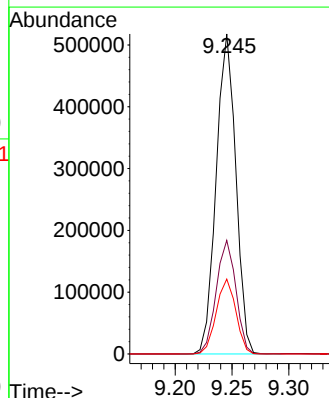
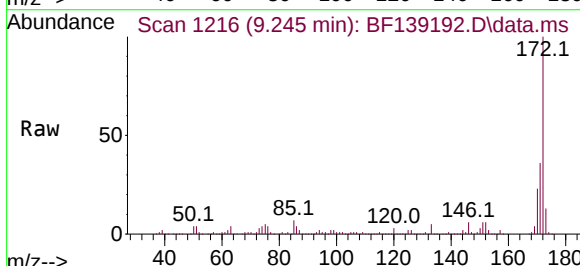
Tgt Ion:172 Resp: 623141

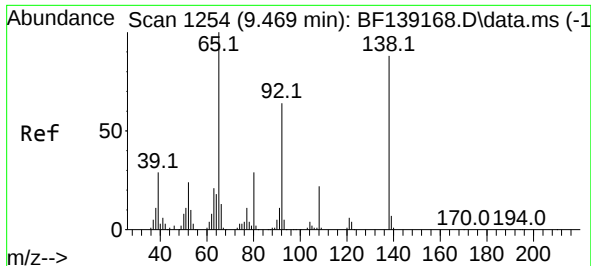
Ion Ratio Lower Upper

172 100

171 35.5 28.6 42.8

170 23.4 18.8 28.2





#48

2-Nitroaniline

Concen: 6.171 ng

RT: 9.245 min Scan# 11

Delta R.T. -0.224 min

Lab File: BF139192.D

Acq: 27 Aug 2024 17:52

Instrument :

BNA_F

ClientSampleId :

WC-4

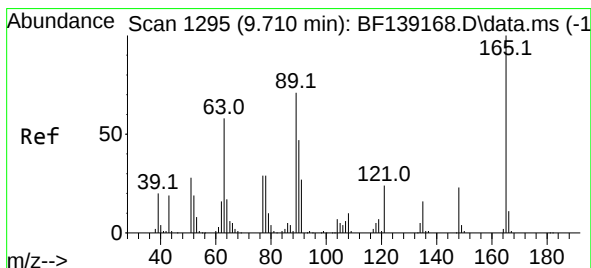
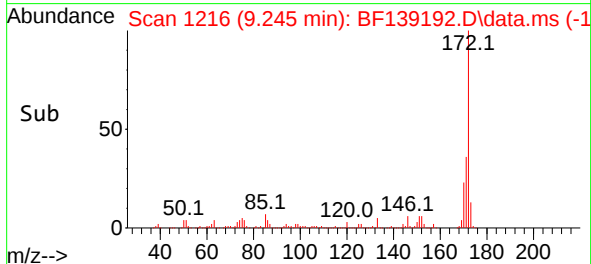
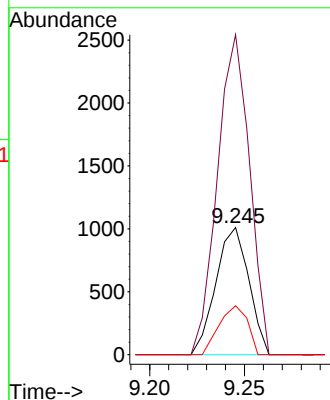
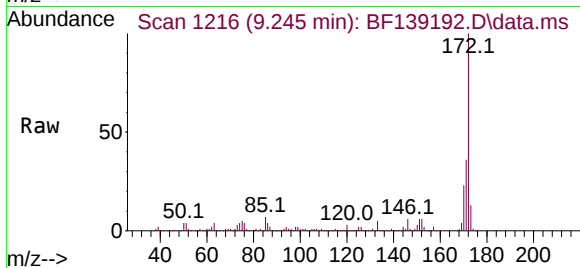
Tgt Ion: 65 Resp: 1223

Ion Ratio Lower Upper

65 100

92 251.5 51.2 76.8#

138 38.5 70.0 105.0#



#51

2,6-Dinitrotoluene

Concen: 14.400 ng

RT: 9.922 min Scan# 1331

Delta R.T. 0.212 min

Lab File: BF139192.D

Acq: 27 Aug 2024 17:52

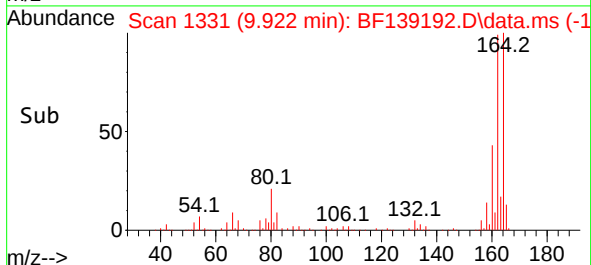
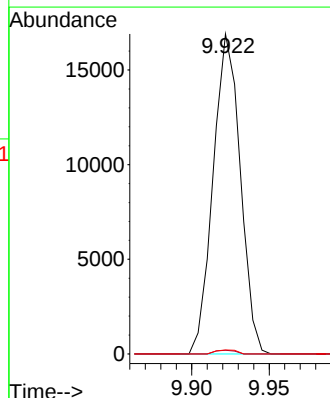
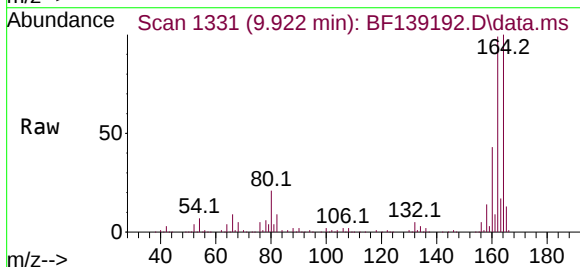
Tgt Ion: 165 Resp: 20584

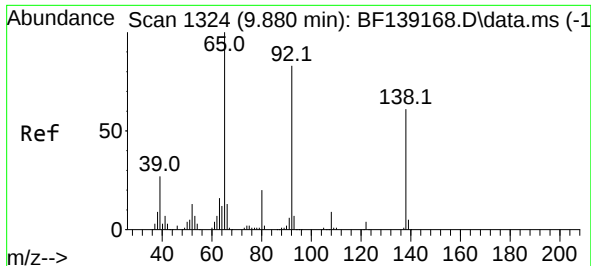
Ion Ratio Lower Upper

165 100

63 1.1 60.1 90.1#

89 1.3 57.0 85.6#





#53

3-Nitroaniline

Concen: 10.527 ng

RT: 10.022 min Scan# 1

Delta R.T. 0.142 min

Lab File: BF139192.D

Acq: 27 Aug 2024 17:52

Instrument :

BNA_F

ClientSampleId :

WC-4

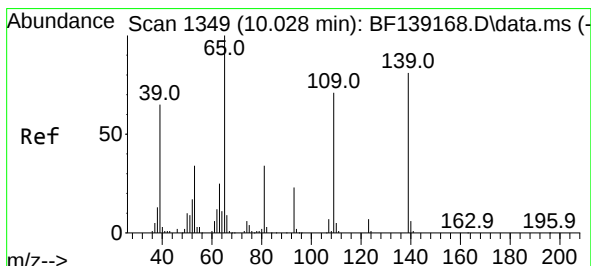
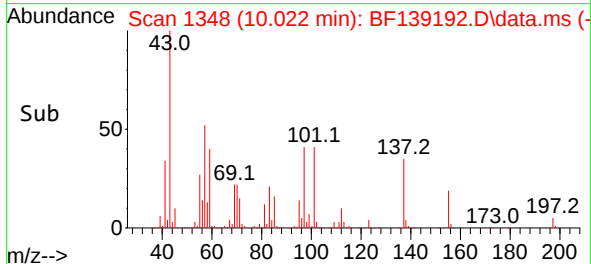
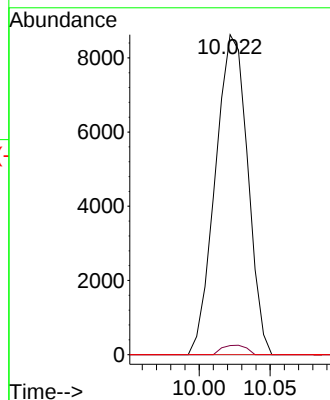
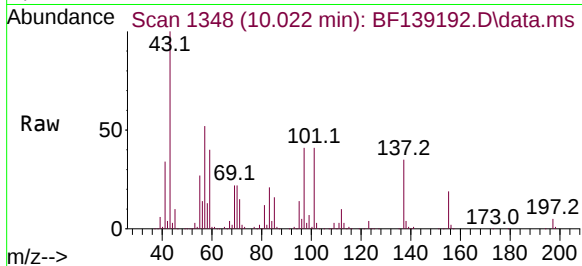
Tgt Ion:138 Resp: 13647

Ion Ratio Lower Upper

138 100

108 2.9 11.8 17.6#

92 0.0 108.2 162.2#



#56

4-Nitrophenol

Concen: 6.239 ng

RT: 10.022 min Scan# 1348

Delta R.T. -0.006 min

Lab File: BF139192.D

Acq: 27 Aug 2024 17:52

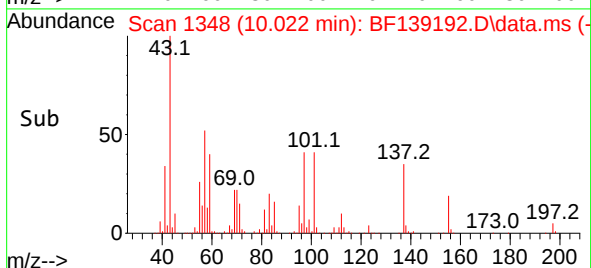
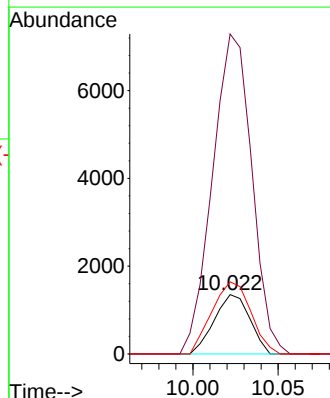
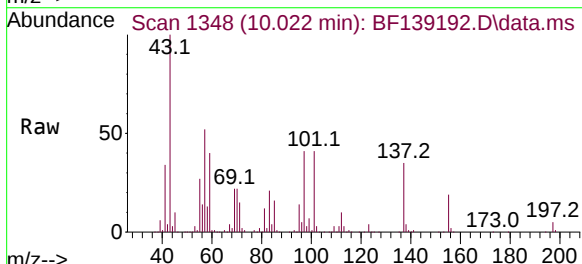
Tgt Ion:139 Resp: 1964

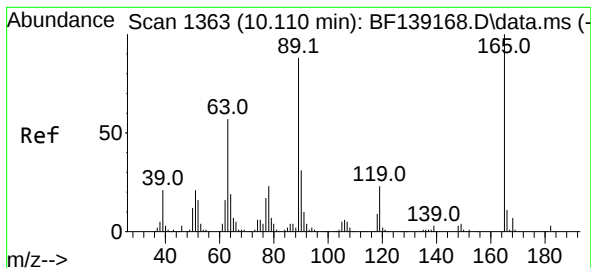
Ion Ratio Lower Upper

139 100

109 539.3 68.2 108.2#

65 121.6 104.7 144.7

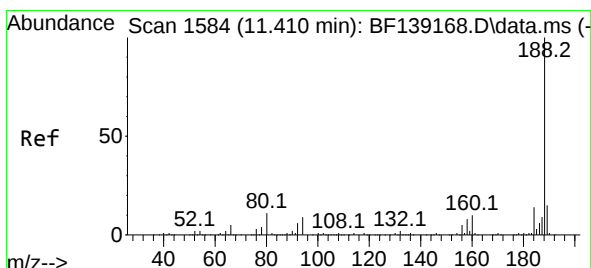
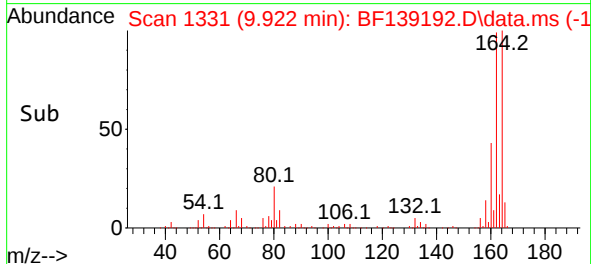
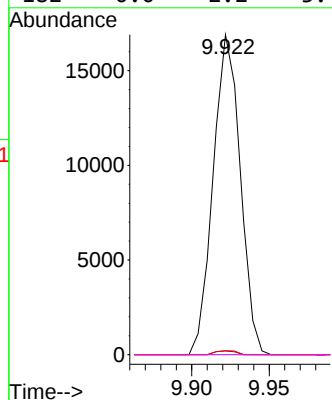
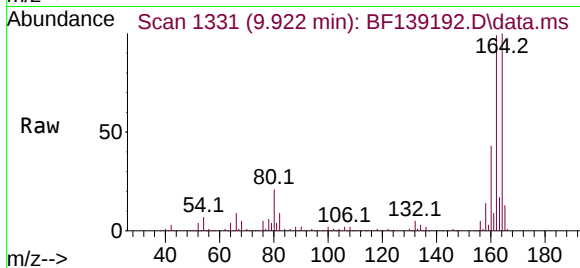




#57
2,4-Dinitrotoluene
Concen: 13.062 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF139192.D
Acq: 27 Aug 2024 17:52

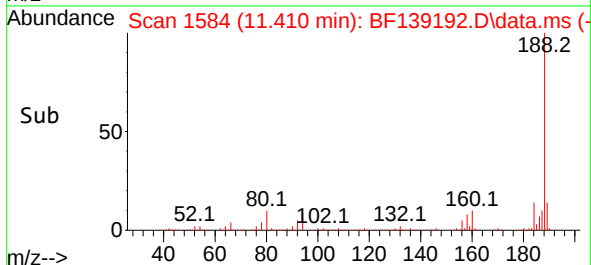
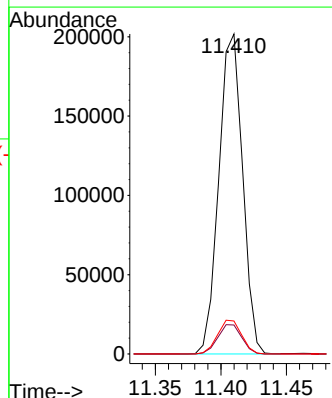
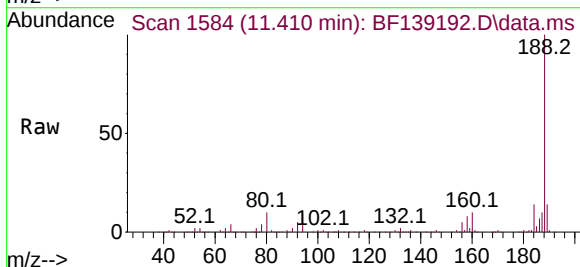
Instrument :
BNA_F
ClientSampleId :
WC-4

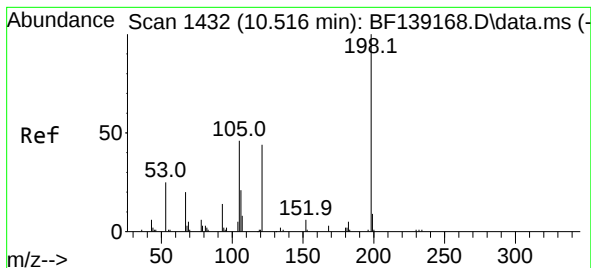
Tgt Ion:165 Resp: 20584
Ion Ratio Lower Upper
165 100
63 1.1 46.2 69.2#
89 1.3 70.2 105.4#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF139192.D
Acq: 27 Aug 2024 17:52

Tgt Ion:188 Resp: 254014
Ion Ratio Lower Upper
188 100
94 9.0 7.4 11.2
80 10.3 8.9 13.3

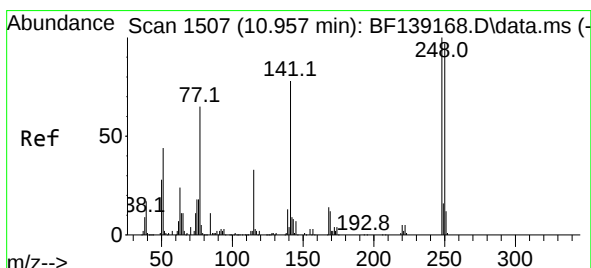
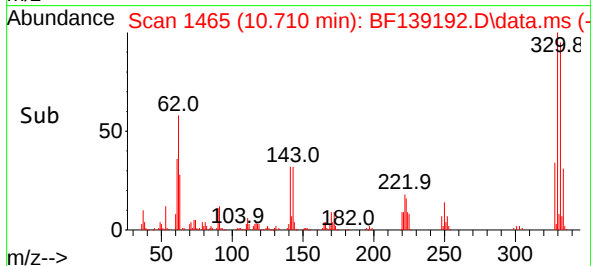
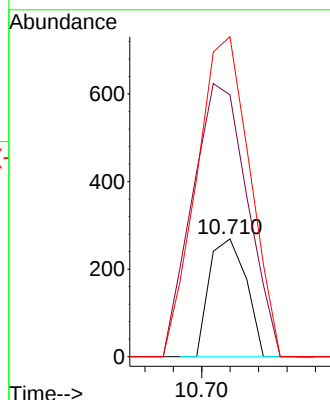
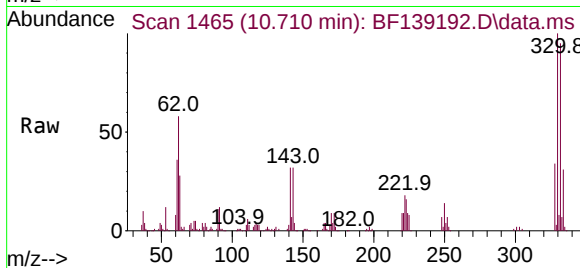




#65
4,6-Dinitro-2-methylphenol
Concen: 7.140 ng
RT: 10.710 min Scan# 1432
Delta R.T. 0.194 min
Lab File: BF139192.D
Acq: 27 Aug 2024 17:52

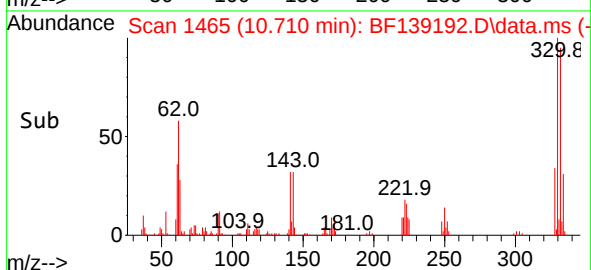
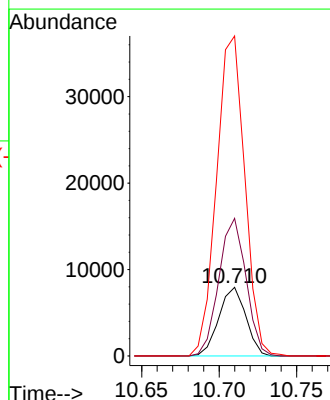
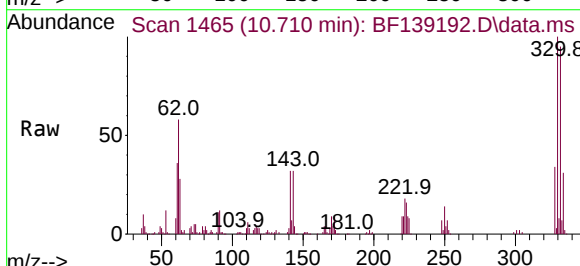
Instrument :
BNA_F
ClientSampleId :
WC-4

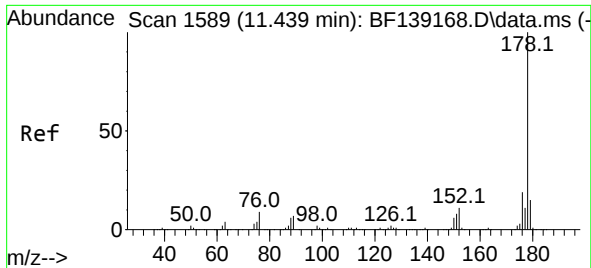
Tgt Ion:198 Resp: 242
Ion Ratio Lower Upper
198 100
51 222.3 39.2 79.2#
105 271.7 29.3 69.3#



#67
4-Bromophenyl-phenylether
Concen: 3.570 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.247 min
Lab File: BF139192.D
Acq: 27 Aug 2024 17:52

Tgt Ion:248 Resp: 9635
Ion Ratio Lower Upper
248 100
250 200.6 78.0 117.0#
141 466.6 62.6 94.0#

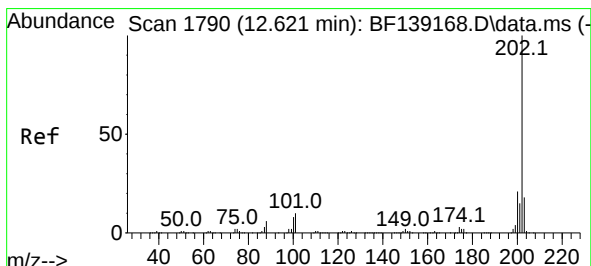
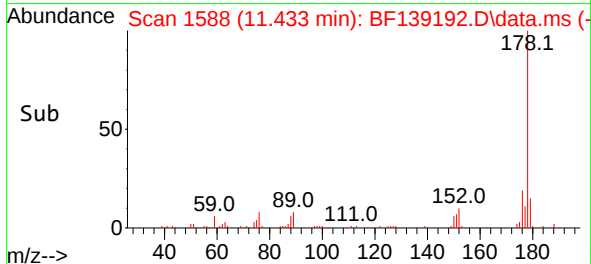
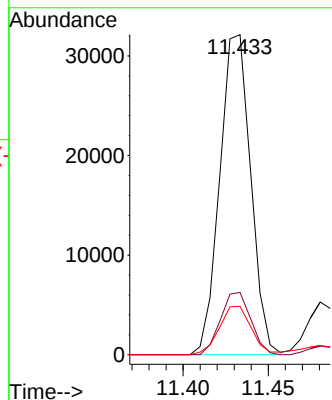
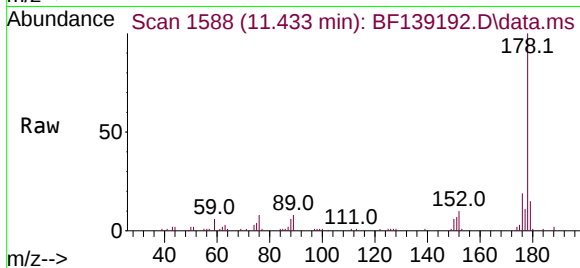




#71
Phenanthrene
Concen: 3.162 ng
RT: 11.433 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139192.D
Acq: 27 Aug 2024 17:52

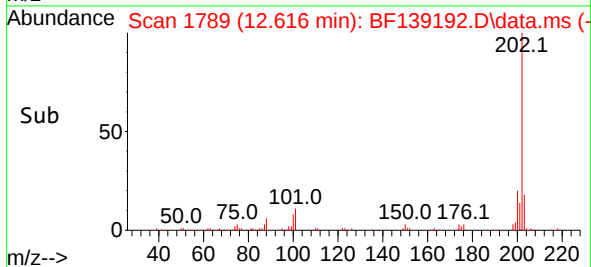
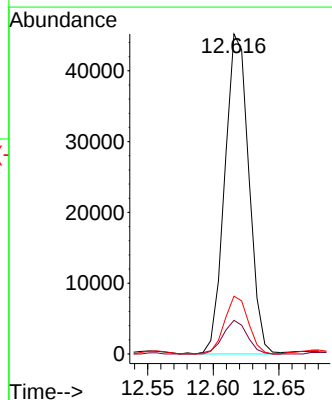
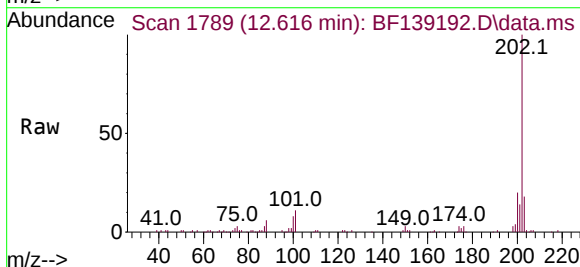
Instrument :
BNA_F
ClientSampleId :
WC-4

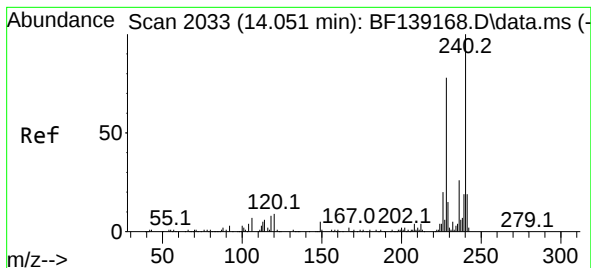
Tgt Ion:178 Resp: 40590
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.0
179 15.1 12.2 18.4



#75
Fluoranthene
Concen: 4.631 ng
RT: 12.616 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF139192.D
Acq: 27 Aug 2024 17:52

Tgt Ion:202 Resp: 57685
Ion Ratio Lower Upper
202 100
101 10.5 0.0 30.1
203 18.1 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF139192.D

Acq: 27 Aug 2024 17:52

Instrument :

BNA_F

ClientSampleId :

WC-4

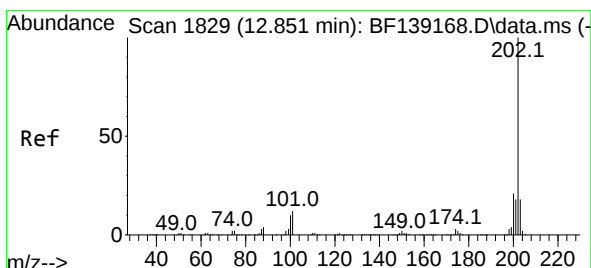
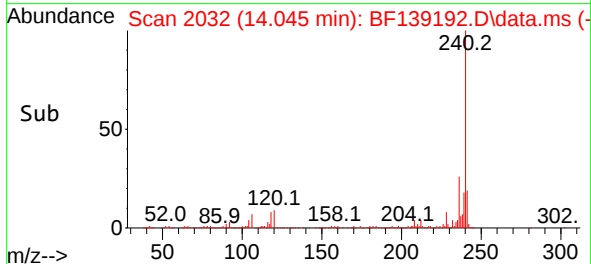
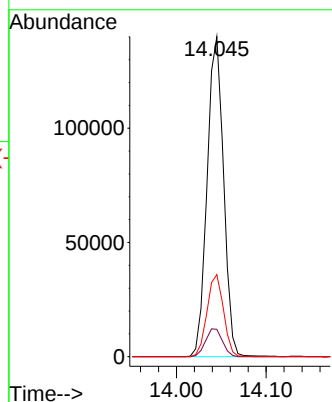
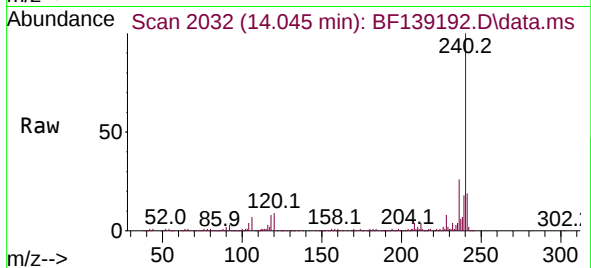
Tgt Ion:240 Resp: 178281

Ion Ratio Lower Upper

240 100

120 8.5 6.9 10.3

236 25.6 20.9 31.3



#78

Pyrene

Concen: 3.490 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.006 min

Lab File: BF139192.D

Acq: 27 Aug 2024 17:52

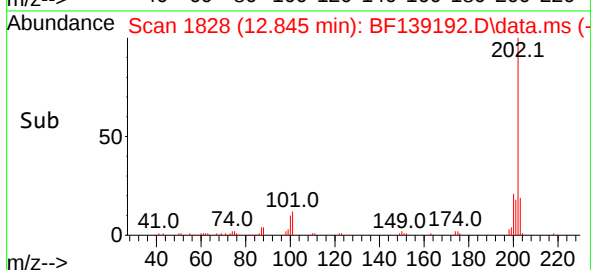
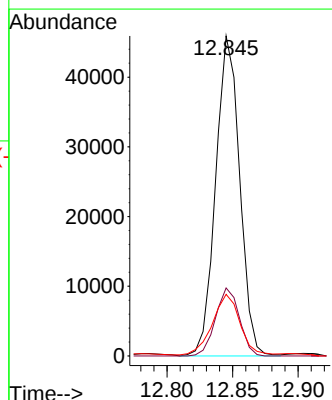
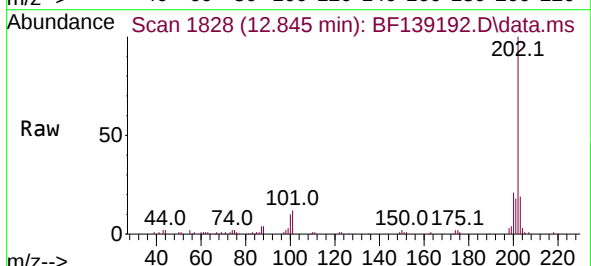
Tgt Ion:202 Resp: 58451

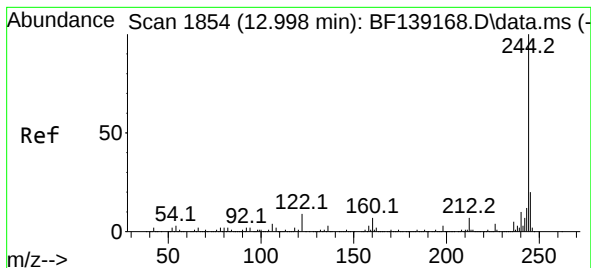
Ion Ratio Lower Upper

202 100

200 21.3 16.7 25.1

203 19.2 14.1 21.1





#79

Terphenyl-d14

Concen: 52.050 ng

RT: 12.992 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139192.D

Acq: 27 Aug 2024 17:52

Instrument :

BNA_F

ClientSampleId :

WC-4

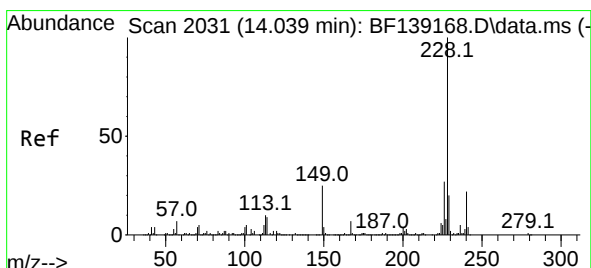
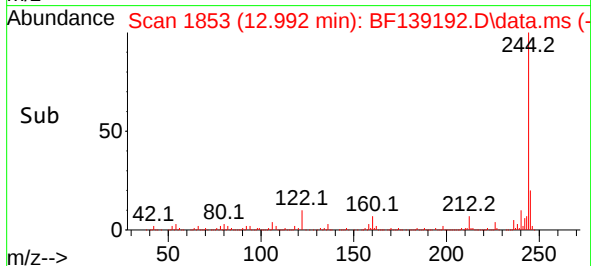
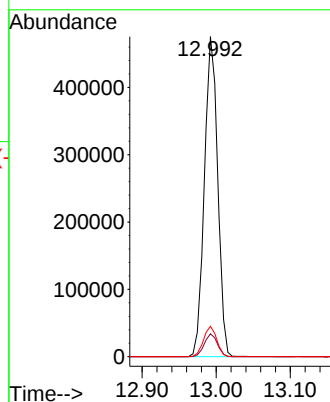
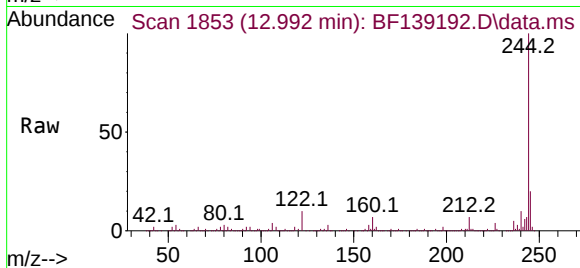
Tgt Ion:244 Resp: 594715

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

122 9.5 7.6 11.4



#81

Benzo(a)anthracene

Concen: 2.905 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF139192.D

Acq: 27 Aug 2024 17:52

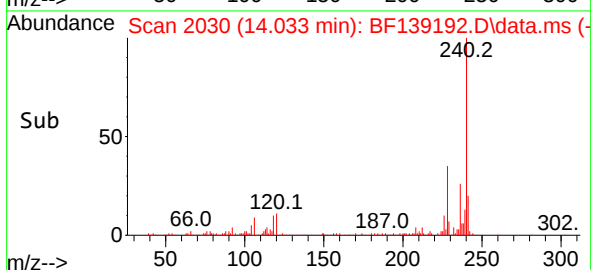
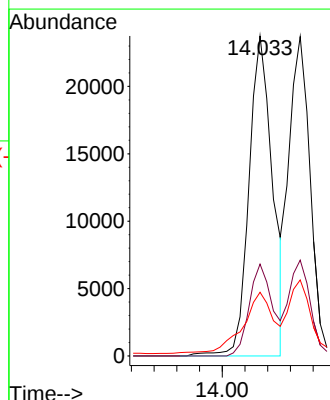
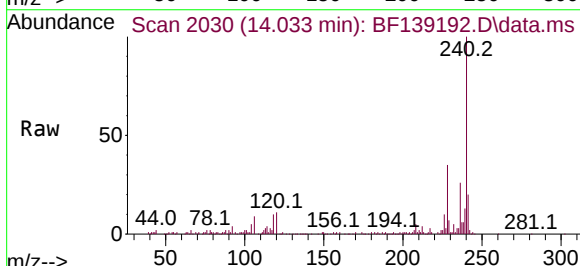
Tgt Ion:228 Resp: 34320

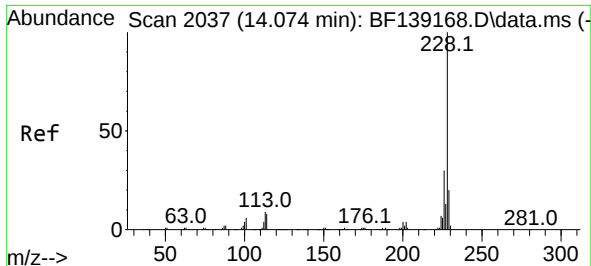
Ion Ratio Lower Upper

228 100

226 28.7 21.4 32.2

229 19.9 15.7 23.5

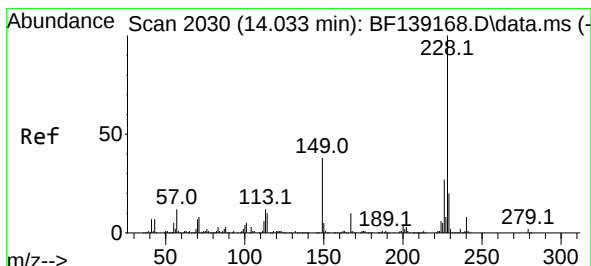
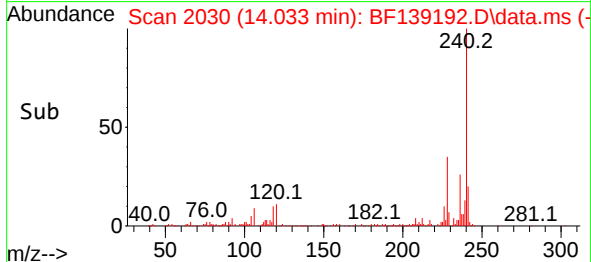
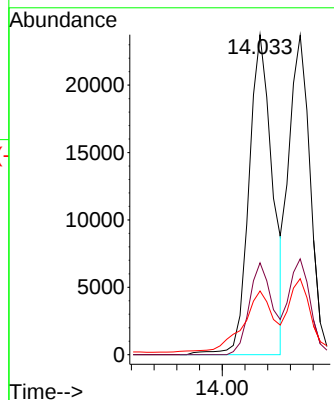
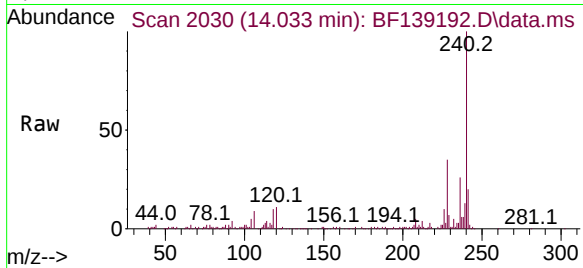




#83
Chrysene
Concen: 3.221 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.041 min
Lab File: BF139192.D
Acq: 27 Aug 2024 17:52

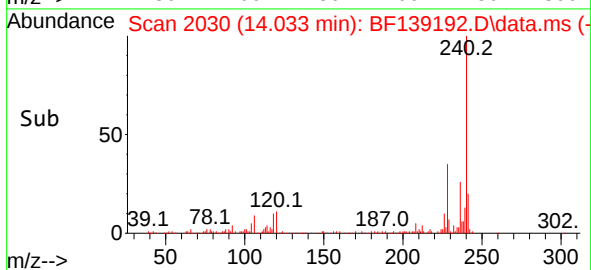
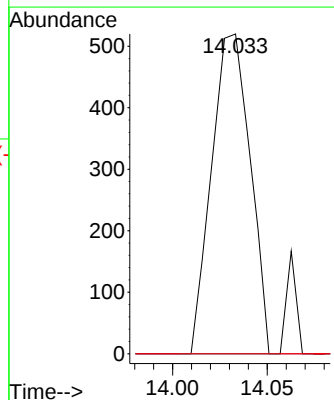
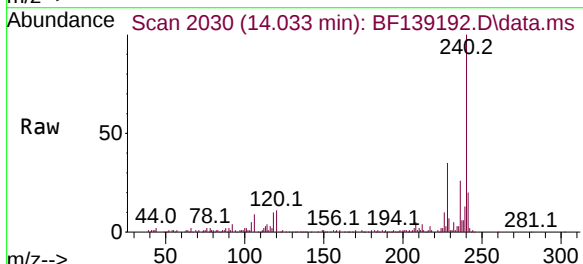
Instrument :
BNA_F
ClientSampleId :
WC-4

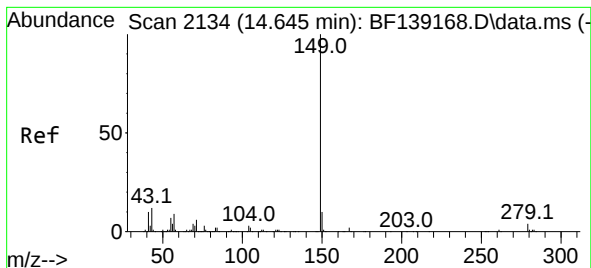
Tgt Ion:228 Resp: 34320
Ion Ratio Lower Upper
228 100
226 28.7 23.8 35.6
229 19.9 15.8 23.6



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.363 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF139192.D
Acq: 27 Aug 2024 17:52

Tgt Ion:149 Resp: 737
Ion Ratio Lower Upper
149 100
167 0.0 21.3 31.9#
279 0.0 3.4 5.0#





#85

Di-n-octyl phthalate

Concen: 8.986 ng

RT: 14.680 min Scan# 2140

Delta R.T. 0.035 min

Lab File: BF139192.D

Acq: 27 Aug 2024 17:52

Instrument :

BNA_F

ClientSampleId :

WC-4

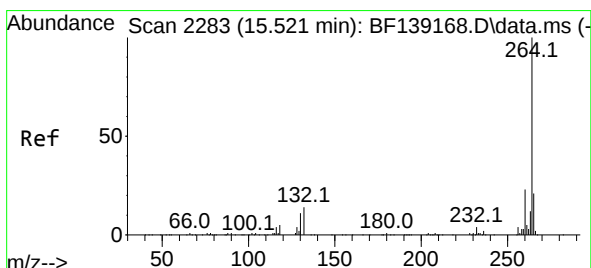
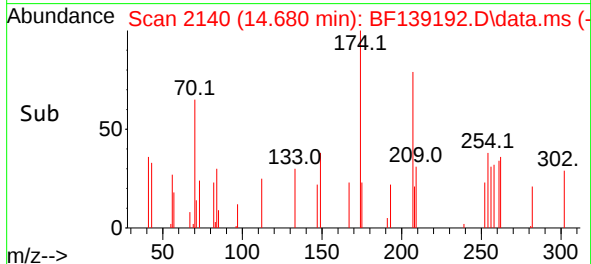
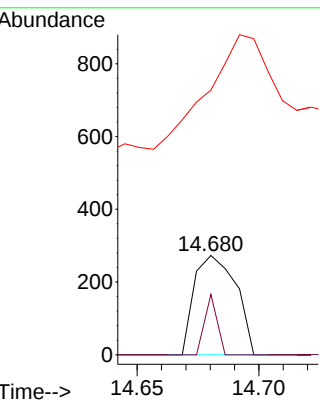
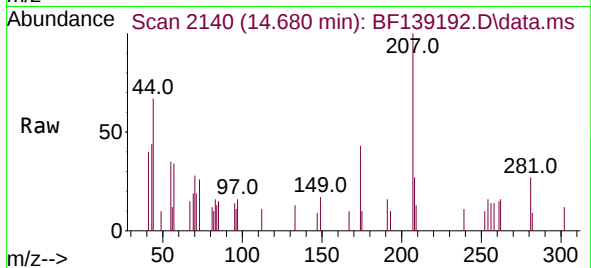
Tgt Ion:149 Resp: 325

Ion Ratio Lower Upper

149 100

167 18.2 1.3 1.9#

43 266.8 9.9 14.9#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.516 min Scan# 2282

Delta R.T. -0.005 min

Lab File: BF139192.D

Acq: 27 Aug 2024 17:52

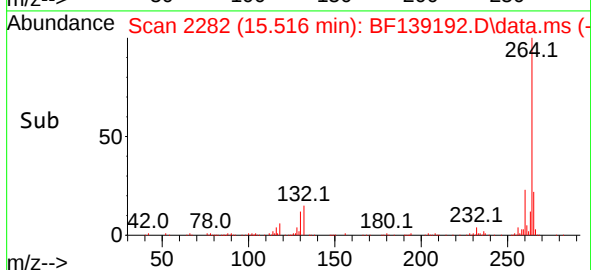
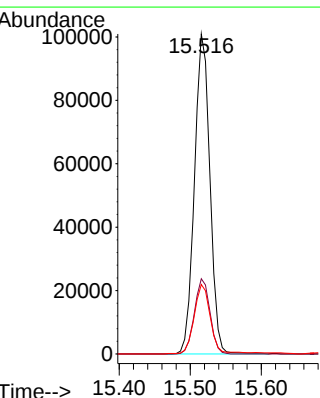
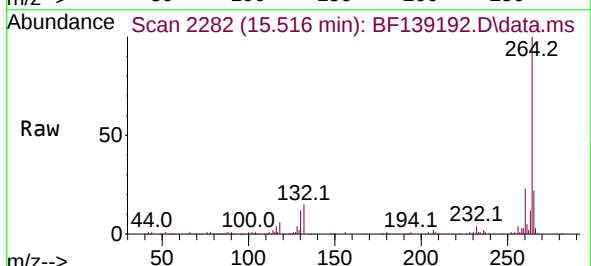
Tgt Ion:264 Resp: 152902

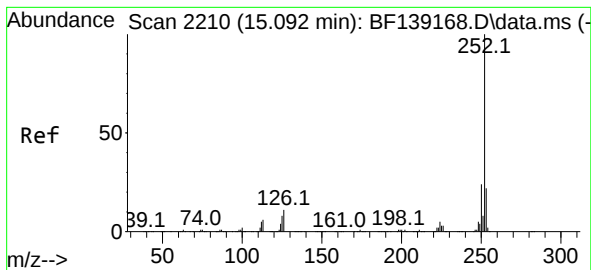
Ion Ratio Lower Upper

264 100

260 23.5 18.3 27.5

265 21.7 17.0 25.6





#88

Benzo(b)fluoranthene

Concen: 4.401 ng

RT: 15.086 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139192.D

Acq: 27 Aug 2024 17:52

Instrument :

BNA_F

ClientSampleId :

WC-4

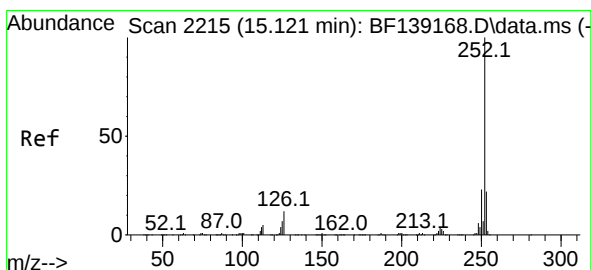
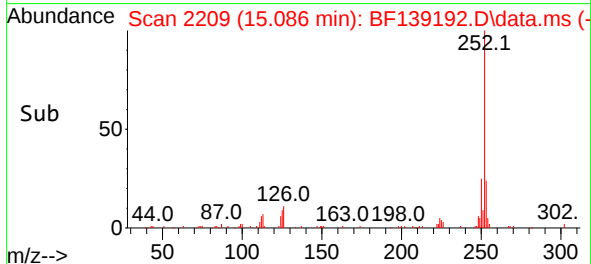
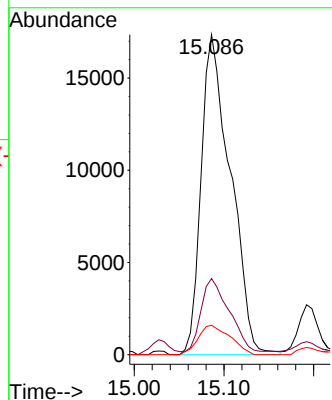
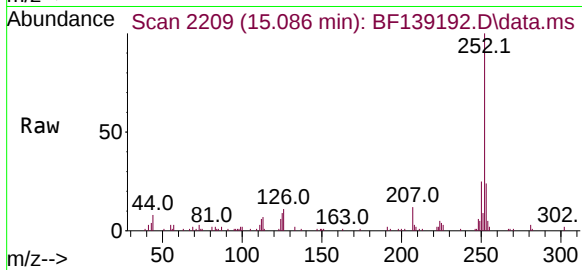
Tgt Ion:252 Resp: 39365

Ion Ratio Lower Upper

252 100

253 23.8 18.0 27.0

125 9.2 6.7 10.1



#89

Benzo(k)fluoranthene

Concen: 4.868 ng

RT: 15.086 min Scan# 2209

Delta R.T. -0.035 min

Lab File: BF139192.D

Acq: 27 Aug 2024 17:52

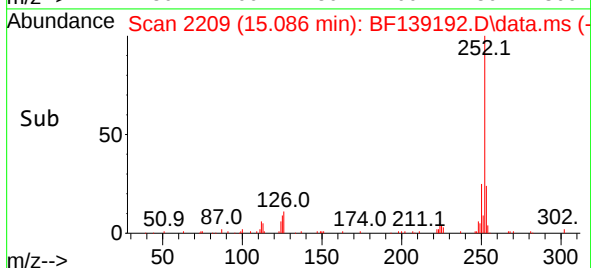
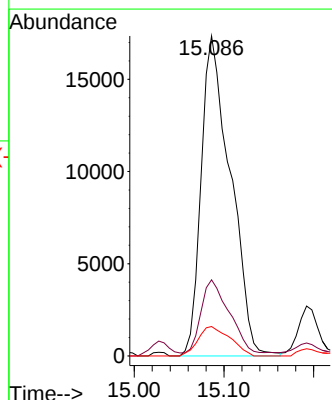
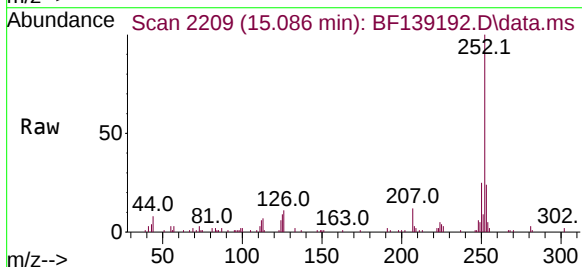
Tgt Ion:252 Resp: 39365

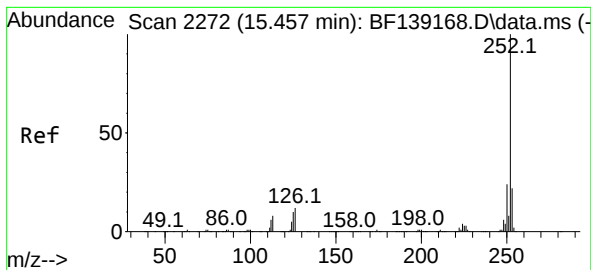
Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.6

125 9.2 6.5 9.7





#90

Benzo(a)pyrene

Concen: 2.657 ng

RT: 15.451 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139192.D

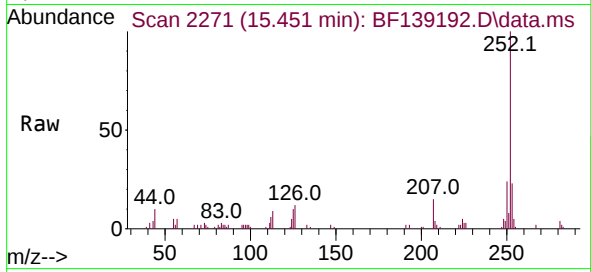
Acq: 27 Aug 2024 17:52

Instrument :

BNA_F

ClientSampleId :

WC-4



Tgt Ion:252 Resp: 20174

Ion Ratio Lower Upper

252 100

253 22.8 17.3 25.9

125 9.8 7.8 11.6

