

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082724\
 Data File : BF139195.D
 Acq On : 27 Aug 2024 19:26
 Operator : RC/JU
 Sample : P3735-13
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-16

Quant Time: Aug 28 00:49:37 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)

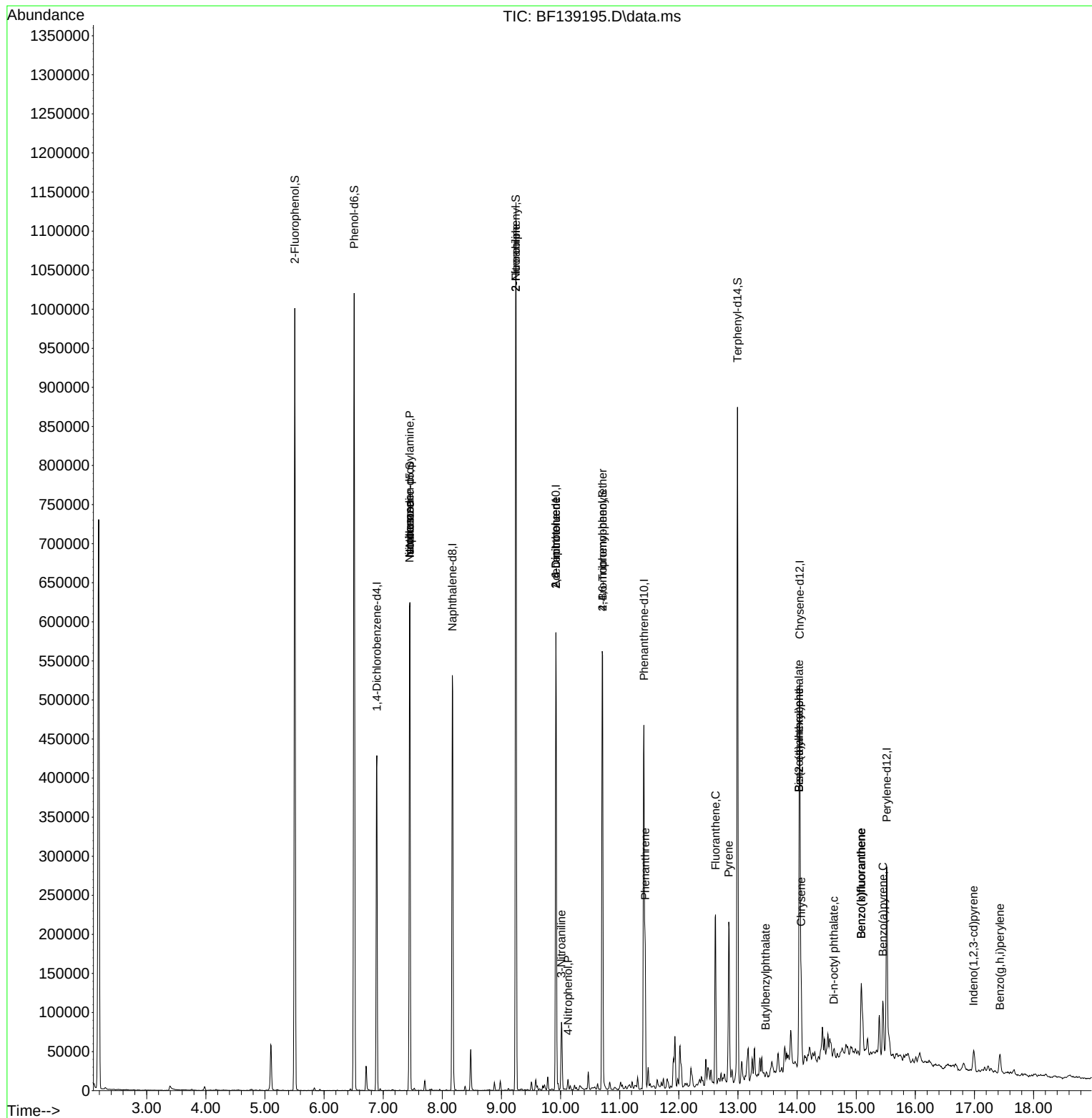
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	86699	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	306372	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	164667	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	236901	20.000	ng	0.00
76) Chrysene-d12	14.045	240	180550	20.000	ng	0.00
86) Perylene-d12	15.515	264	134580	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	331429	64.236	ng	0.00
7) Phenol-d6	6.510	99	443233	62.594	ng	-0.01
23) Nitrobenzene-d5	7.451	82	276361	49.973	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	83828	59.440	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	464539	43.821	ng	0.00
79) Terphenyl-d14	12.992	244	397154	34.322	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	37080	8.755	ng	# 79
24) Nitrobenzene	7.445	77	902	3.386	ng	# 43
25) Isophorone	7.451	82	276071	25.244	ng	# 68
48) 2-Nitroaniline	9.245	65	873	6.053	ng	# 1
51) 2,6-Dinitrotoluene	9.922	165	21654	14.680	ng	# 15
53) 3-Nitroaniline	10.016	138	749	4.764	ng	# 1
56) 4-Nitrophenol	10.128	139	1749	6.101	ng	# 1
57) 2,4-Dinitrotoluene	9.922	165	21654	13.279	ng	# 15
67) 4-Bromophenyl-phenylether	10.710	248	6104	2.425	ng	# 1
71) Phenanthrene	11.433	178	97937	8.181	ng	99
75) Fluoranthene	12.621	202	122022	10.503	ng	99
78) Pyrene	12.845	202	116571	6.873	ng	99
80) Butylbenzylphthalate	13.469	149	427	4.588	ng	# 4
81) Benzo(a)anthracene	14.033	228	70193	5.868	ng	93
83) Chrysene	14.068	228	59329	5.498	ng	98
84) Bis(2-ethylhexyl)phtha...	14.033	149	843	3.393	ng	# 81
85) Di-n-octyl phthalate	14.621	149	160	8.969	ng	# 72
87) Indeno(1,2,3-cd)pyrene	16.986	276	19309	2.098	ng	# 91
88) Benzo(b)fluoranthene	15.086	252	76941	9.773	ng	97
89) Benzo(k)fluoranthene	15.086	252	76941	10.810	ng	# 96
90) Benzo(a)pyrene	15.451	252	41403	6.196	ng	99
92) Benzo(g,h,i)perylene	17.433	276	22941	2.941	ng	99

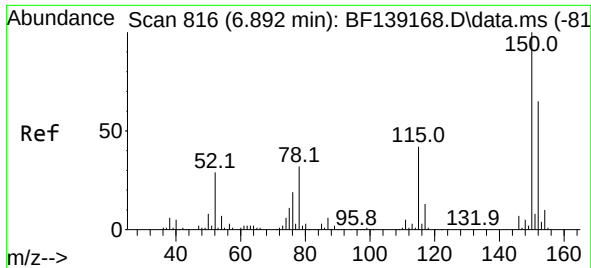
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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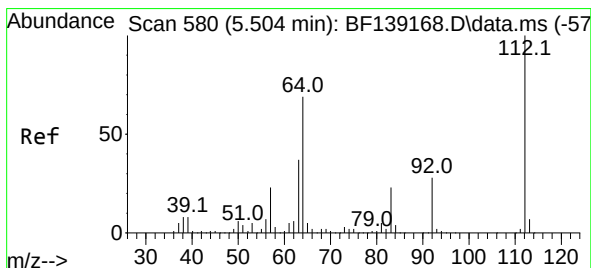
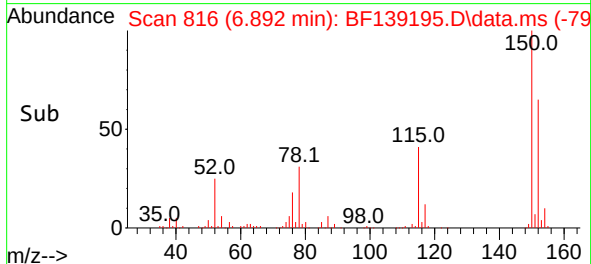
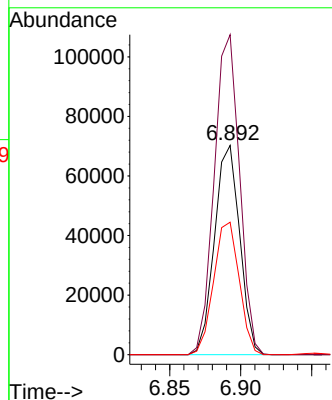
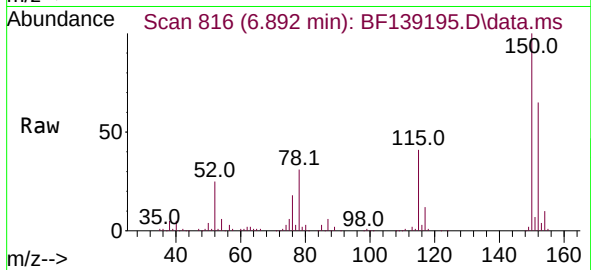




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF139195.D
Acq: 27 Aug 2024 19:26

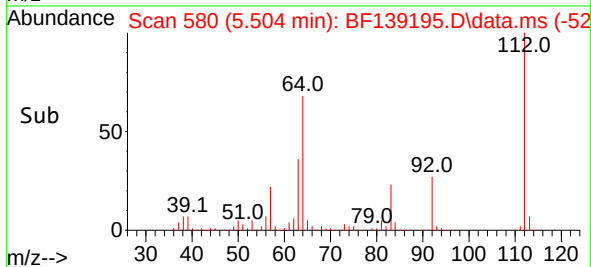
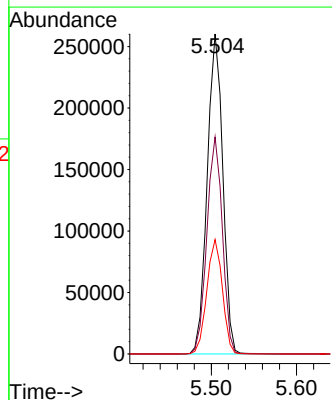
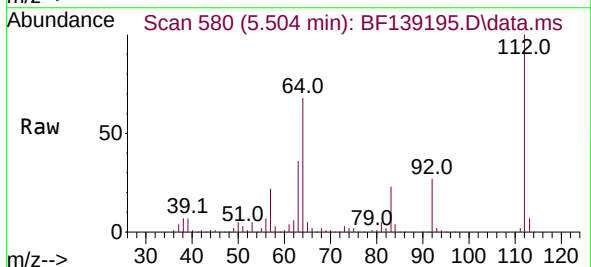
Instrument :
BNA_F
ClientSampleId :
WC-16

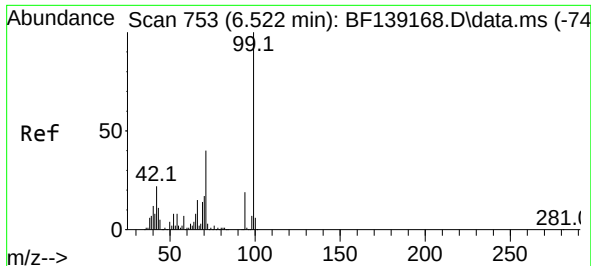
Tgt Ion:152 Resp: 86699
Ion Ratio Lower Upper
152 100
150 152.9 123.7 185.5
115 63.3 51.8 77.8



#5
2-Fluorophenol
Concen: 64.236 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.000 min
Lab File: BF139195.D
Acq: 27 Aug 2024 19:26

Tgt Ion:112 Resp: 331429
Ion Ratio Lower Upper
112 100
64 67.8 55.5 83.3
63 35.8 29.8 44.6





#7
Phenol-d6
Concen: 62.594 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.012 min
Lab File: BF139195.D
Acq: 27 Aug 2024 19:26

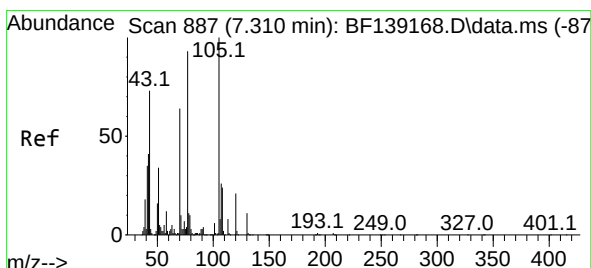
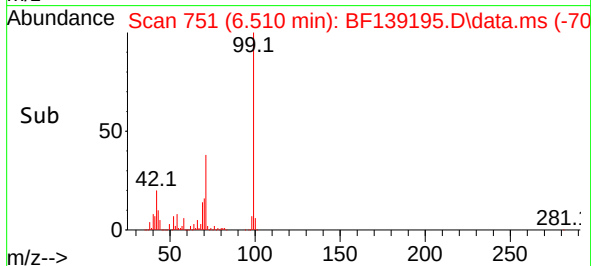
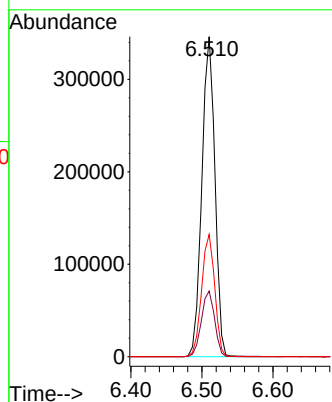
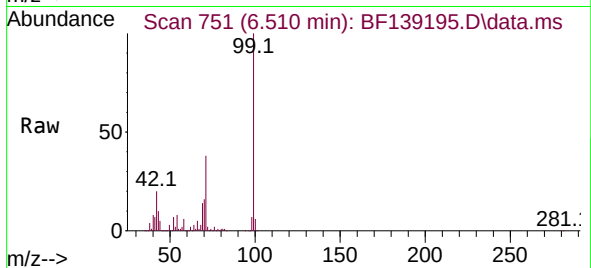
Instrument :

BNA_F

ClientSampleId :

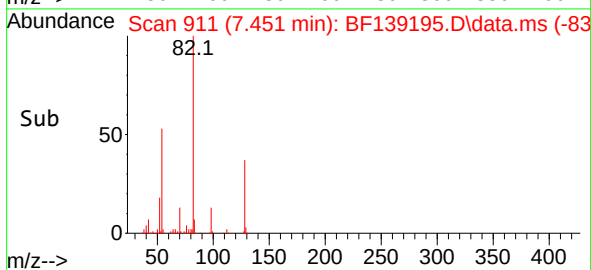
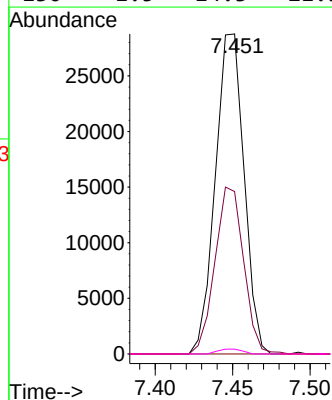
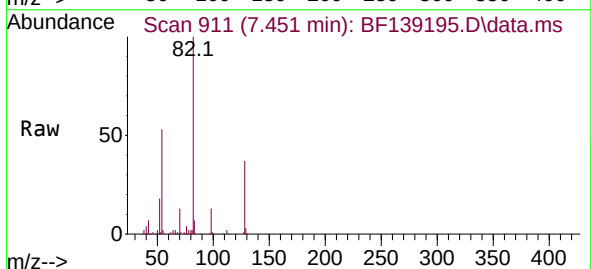
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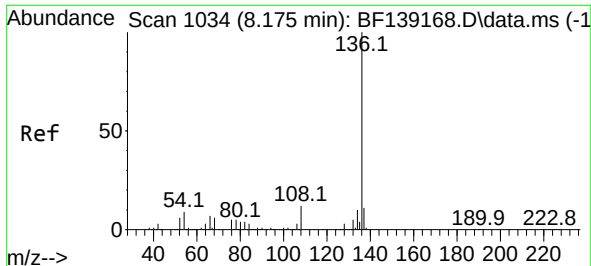
Tgt Ion: 99 Resp: 443233
Ion Ratio Lower Upper
99 100
42 20.5 17.9 26.9
71 38.2 31.7 47.5



#19
n-Nitroso-di-n-propylamine
Concen: 8.755 ng
RT: 7.451 min Scan# 911
Delta R.T. 0.141 min
Lab File: BF139195.D
Acq: 27 Aug 2024 19:26

Tgt Ion: 70 Resp: 37080
Ion Ratio Lower Upper
70 100
42 50.8 50.8 76.2#
101 0.0 7.4 11.0#
130 1.5 14.3 21.5#

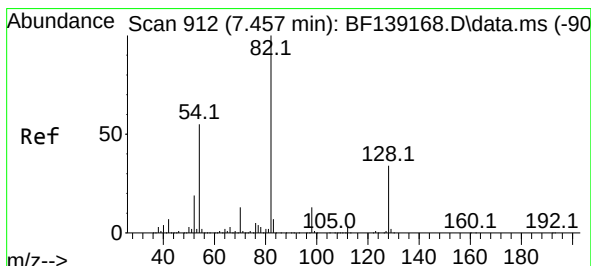
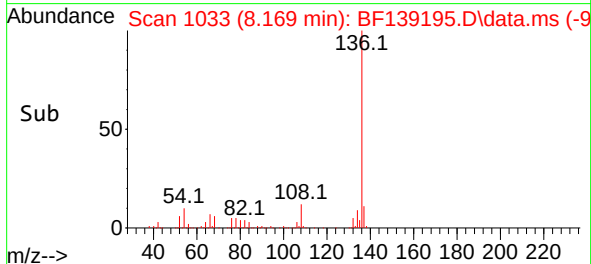
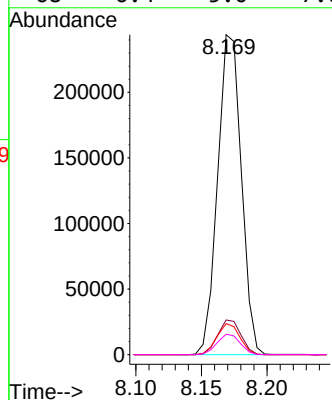
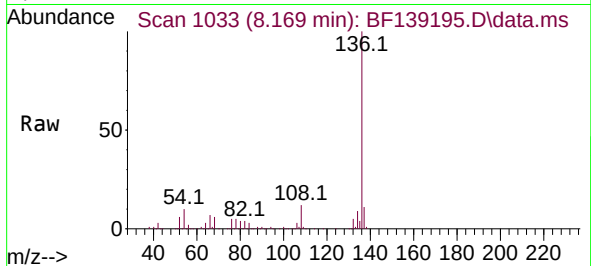




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139195.D
Acq: 27 Aug 2024 19:26

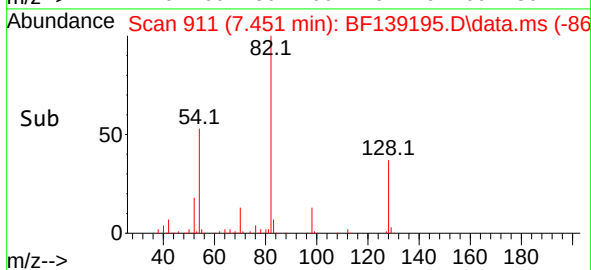
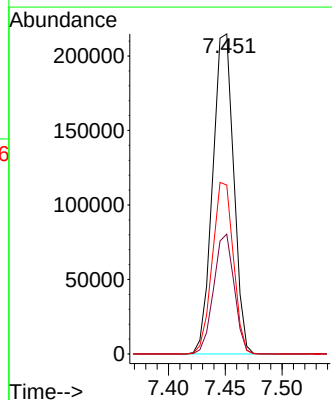
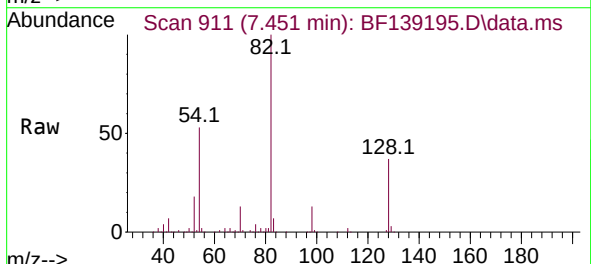
Instrument :
BNA_F
ClientSampleId :
WC-16

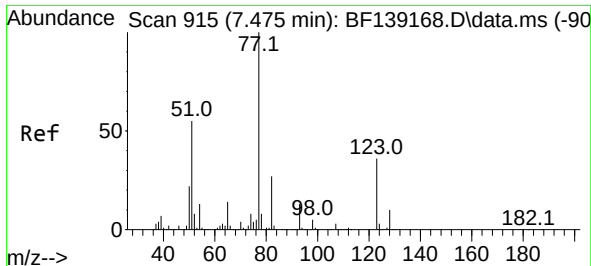
Tgt Ion:136	Resp: 306372
Ion Ratio	Lower Upper
136 100	
137 10.9	8.6 12.8
54 9.7	7.6 11.4
68 6.4	5.0 7.6



#23
Nitrobenzene-d5
Concen: 49.973 ng
RT: 7.451 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF139195.D
Acq: 27 Aug 2024 19:26

Tgt Ion: 82	Resp: 276361
Ion Ratio	Lower Upper
82 100	
128 37.5	27.1 40.7
54 52.8	44.2 66.4

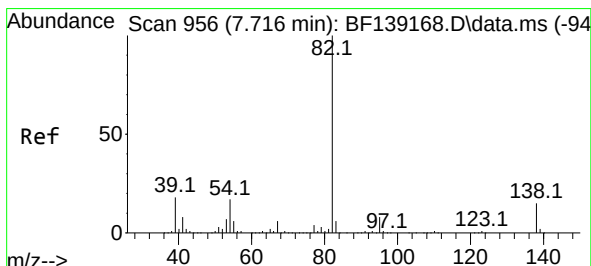
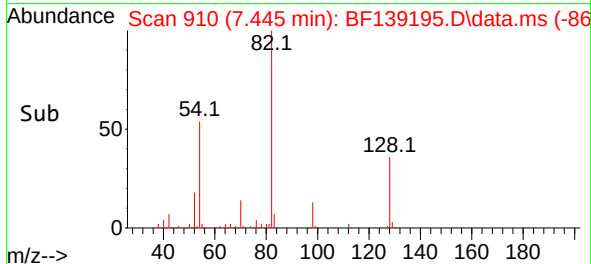
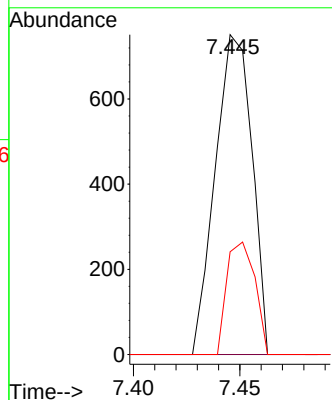
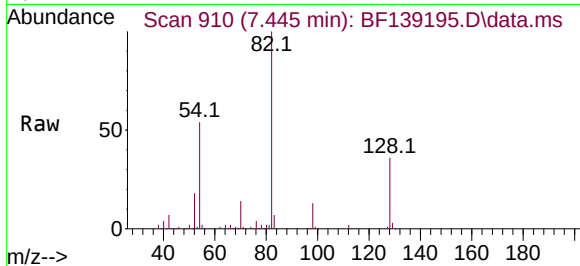




#24
Nitrobenzene
Concen: 3.386 ng
RT: 7.445 min Scan# 915
Delta R.T. -0.030 min
Lab File: BF139195.D
Acq: 27 Aug 2024 19:26

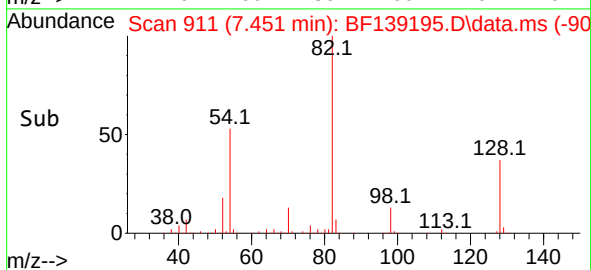
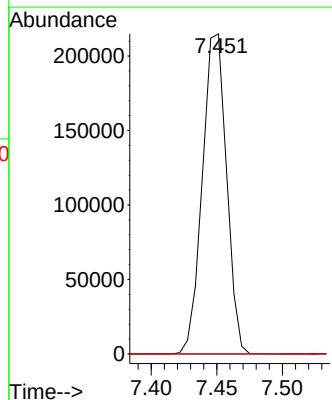
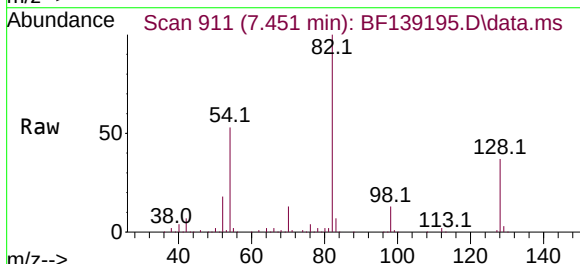
Instrument :
BNA_F
ClientSampleId :
WC-16

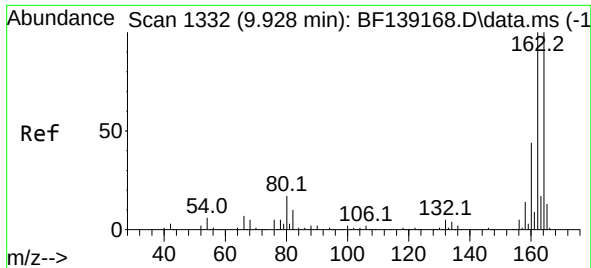
Tgt Ion: 77 Resp: 902
Ion Ratio Lower Upper
77 100
123 0.0 28.7 43.1#
65 32.1 10.9 16.3#



#25
Isophorone
Concen: 25.244 ng
RT: 7.451 min Scan# 911
Delta R.T. -0.265 min
Lab File: BF139195.D
Acq: 27 Aug 2024 19:26

Tgt Ion: 82 Resp: 276071
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 12.2 18.4#

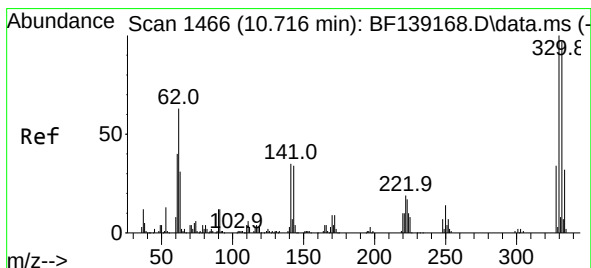
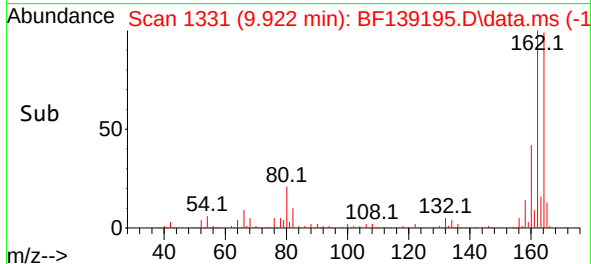
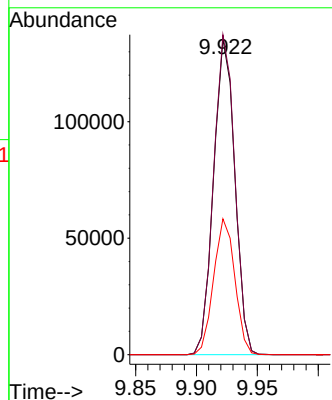
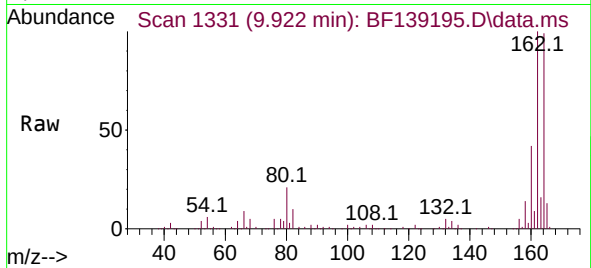




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF139195.D
Acq: 27 Aug 2024 19:26

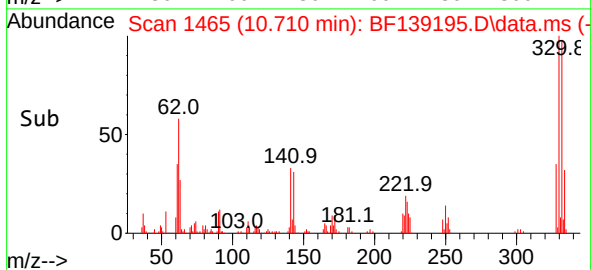
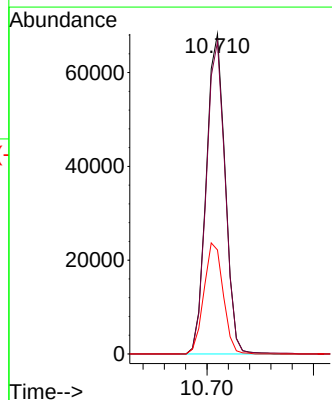
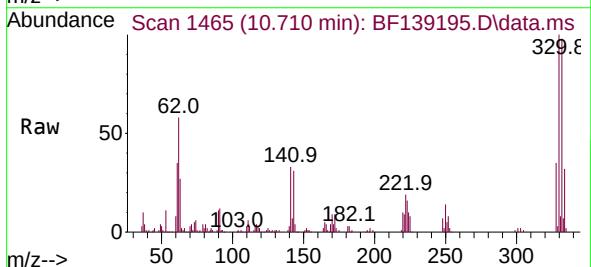
Instrument :
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WC-16

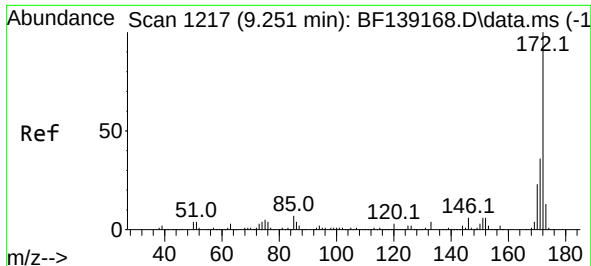
Tgt Ion:164 Resp: 164667
Ion Ratio Lower Upper
164 100
162 101.4 80.0 120.0
160 43.0 35.0 52.6



#42
2,4,6-Tribromophenol
Concen: 59.440 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF139195.D
Acq: 27 Aug 2024 19:26

Tgt Ion:330 Resp: 83828
Ion Ratio Lower Upper
330 100
332 97.8 77.3 115.9
141 35.5 28.8 43.2





#45

2-Fluorobiphenyl

Concen: 43.821 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF139195.D

Acq: 27 Aug 2024 19:26

Instrument :

BNA_F

ClientSampleId :

WC-16

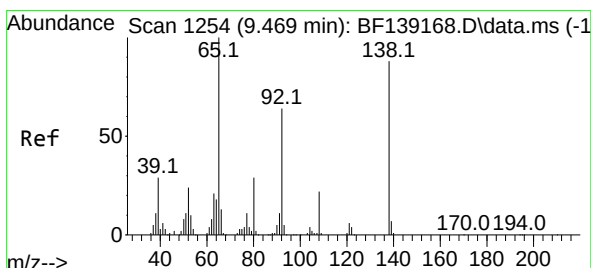
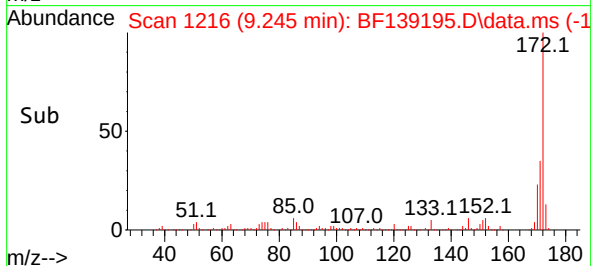
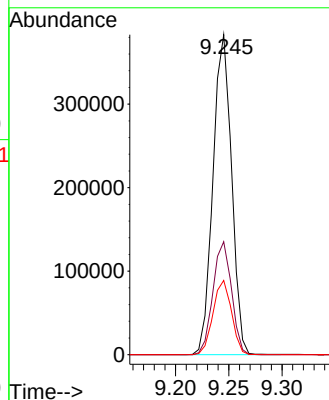
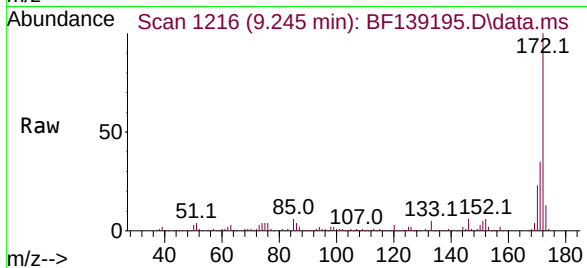
Tgt Ion:172 Resp: 464539

Ion Ratio Lower Upper

172 100

171 35.3 28.6 42.8

170 23.2 18.8 28.2



#48

2-Nitroaniline

Concen: 6.053 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.224 min

Lab File: BF139195.D

Acq: 27 Aug 2024 19:26

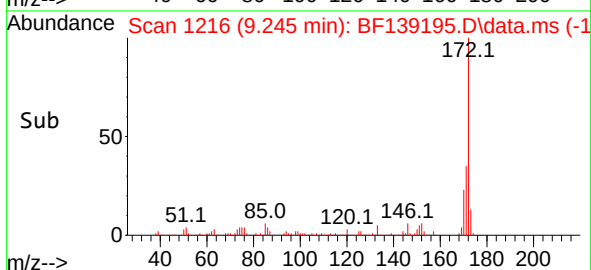
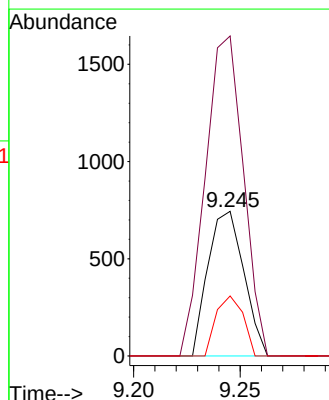
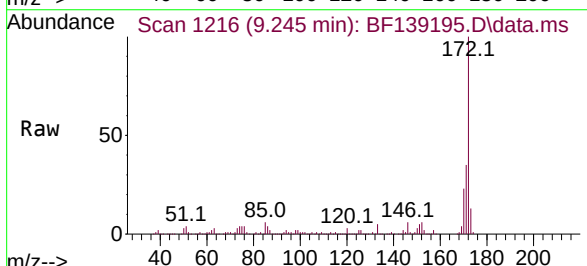
Tgt Ion: 65 Resp: 873

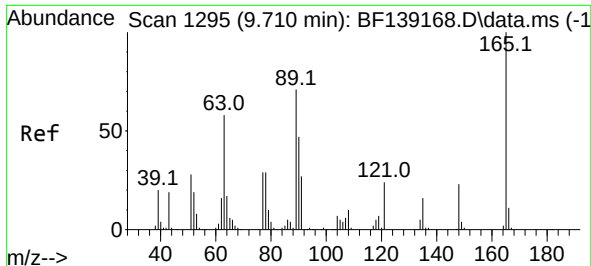
Ion Ratio Lower Upper

65 100

92 221.2 51.2 76.8#

138 41.5 70.0 105.0#





#51

2,6-Dinitrotoluene

Concen: 14.680 ng

RT: 9.922 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF139195.D

Acq: 27 Aug 2024 19:26

Instrument :

BNA_F

ClientSampleId :

WC-16

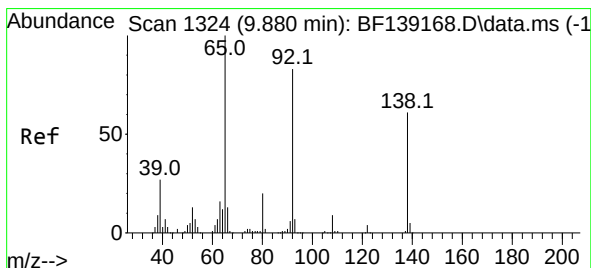
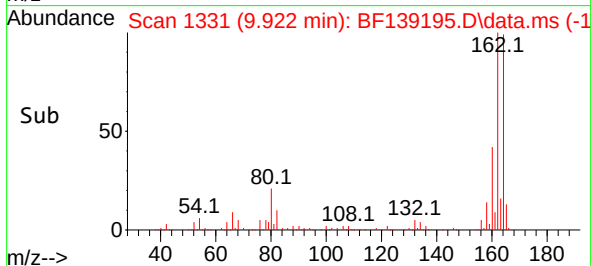
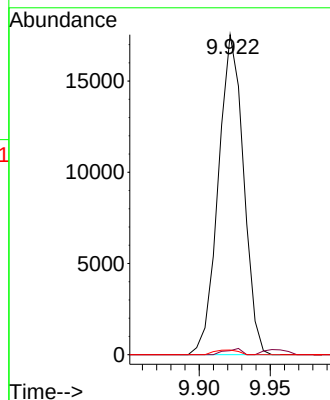
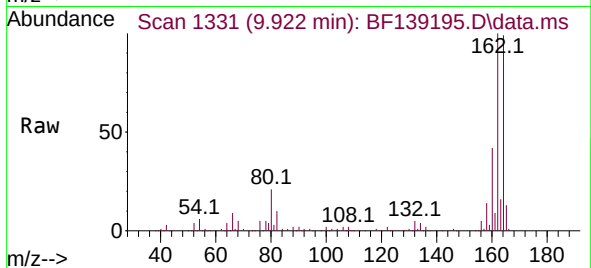
Tgt Ion:165 Resp: 21654

Ion Ratio Lower Upper

165 100

63 1.2 60.1 90.1#

89 1.5 57.0 85.6#



#53

3-Nitroaniline

Concen: 4.764 ng

RT: 10.016 min Scan# 1347

Delta R.T. 0.136 min

Lab File: BF139195.D

Acq: 27 Aug 2024 19:26

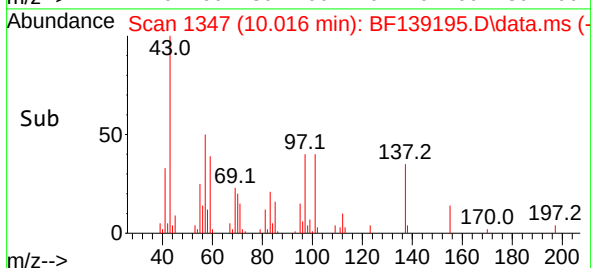
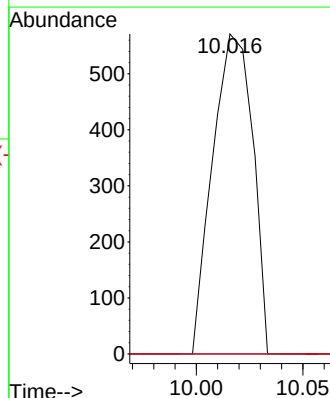
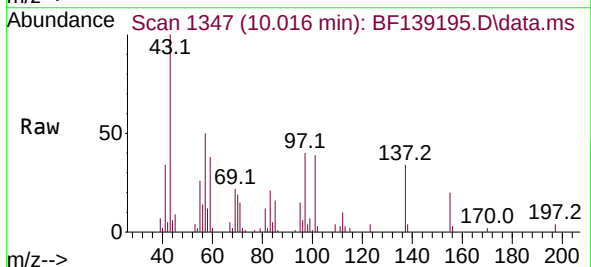
Tgt Ion:138 Resp: 749

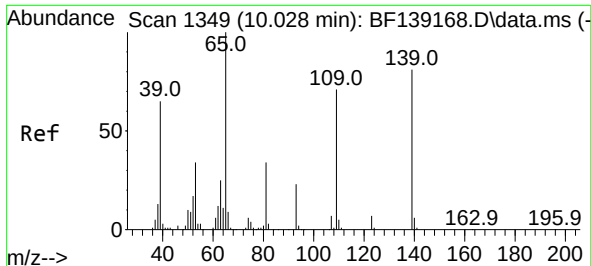
Ion Ratio Lower Upper

138 100

108 0.0 11.8 17.6#

92 0.0 108.2 162.2#

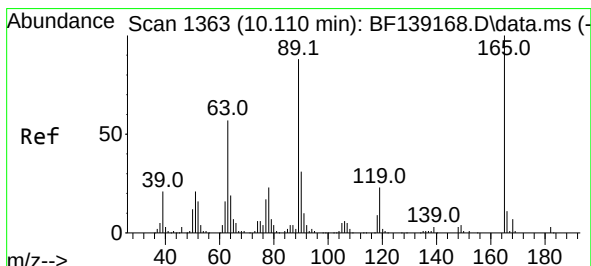
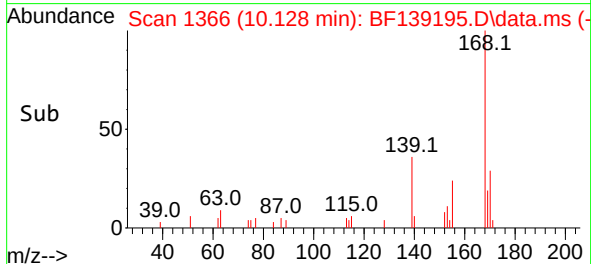
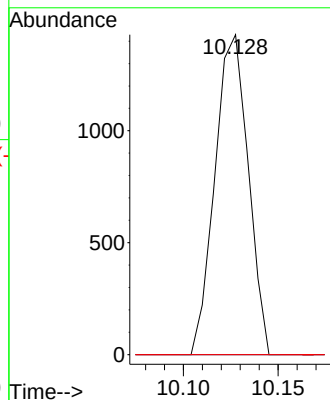
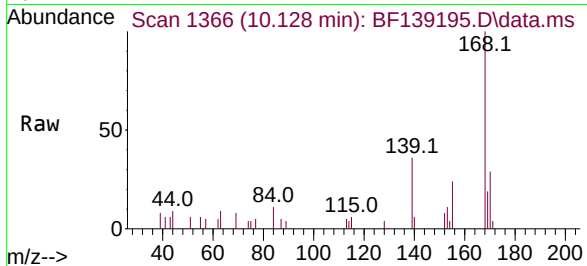




#56
4-Nitrophenol
Concen: 6.101 ng
RT: 10.128 min Scan# 1366
Delta R.T. 0.100 min
Lab File: BF139195.D
Acq: 27 Aug 2024 19:26

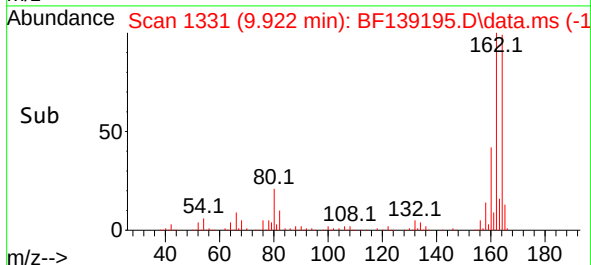
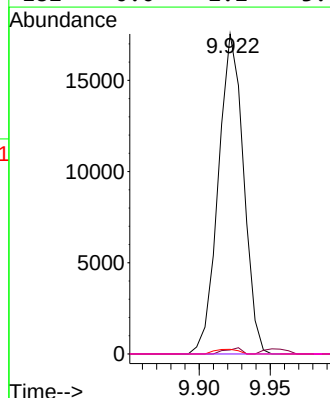
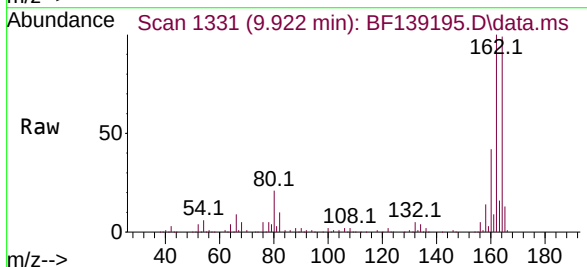
Instrument :
BNA_F
ClientSampleId :
WC-16

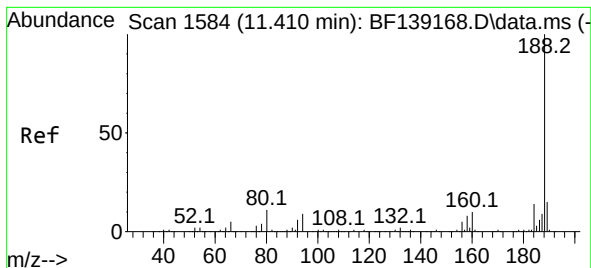
Tgt Ion:139 Resp: 1749
Ion Ratio Lower Upper
139 100
109 0.0 68.2 108.2#
65 0.0 104.7 144.7#



#57
2,4-Dinitrotoluene
Concen: 13.279 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF139195.D
Acq: 27 Aug 2024 19:26

Tgt Ion:165 Resp: 21654
Ion Ratio Lower Upper
165 100
63 1.2 46.2 69.2#
89 1.5 70.2 105.4#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139195.D

Acq: 27 Aug 2024 19:26

Instrument :

BNA_F

ClientSampleId :

WC-16

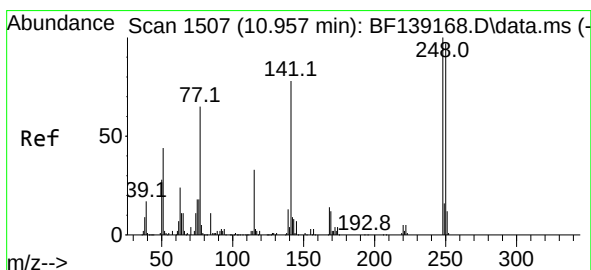
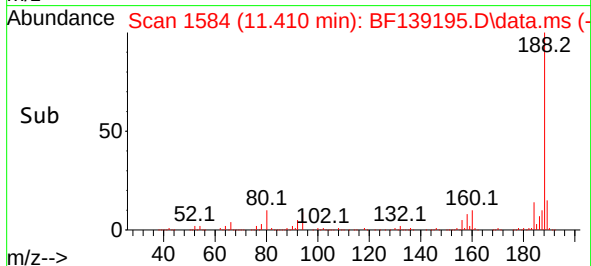
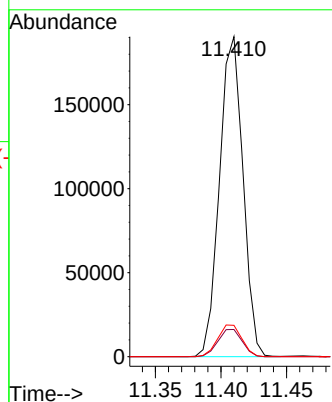
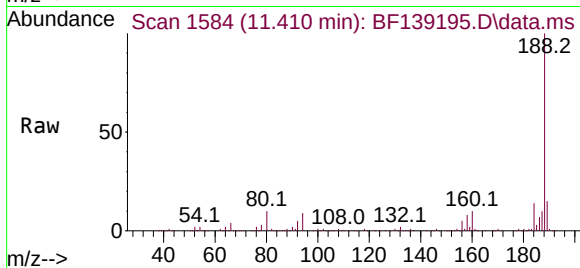
Tgt Ion:188 Resp: 236901

Ion Ratio Lower Upper

188 100

94 8.5 7.4 11.2

80 9.8 8.9 13.3



#67

4-Bromophenyl-phenylether

Concen: 2.425 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.247 min

Lab File: BF139195.D

Acq: 27 Aug 2024 19:26

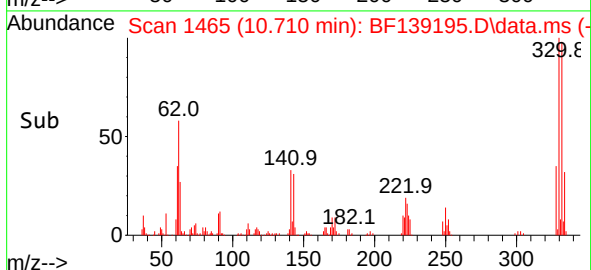
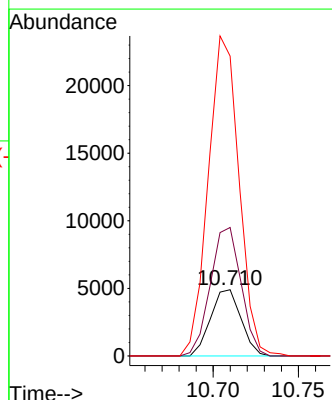
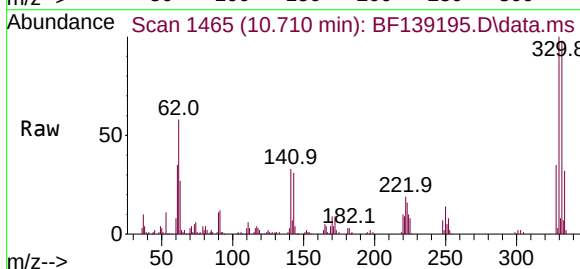
Tgt Ion:248 Resp: 6104

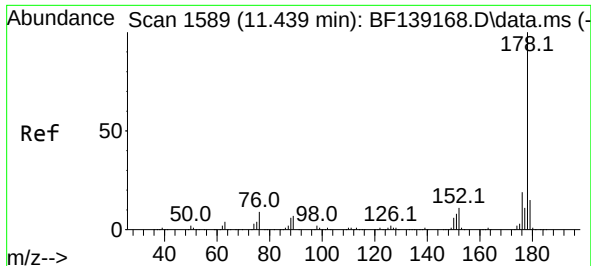
Ion Ratio Lower Upper

248 100

250 193.8 78.0 117.0#

141 452.2 62.6 94.0#

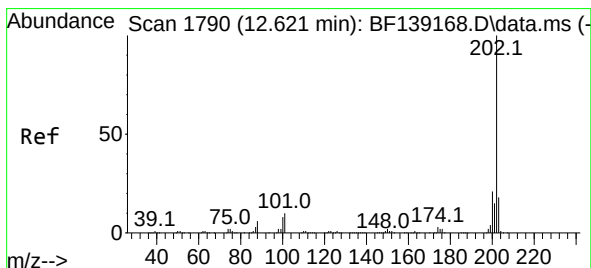
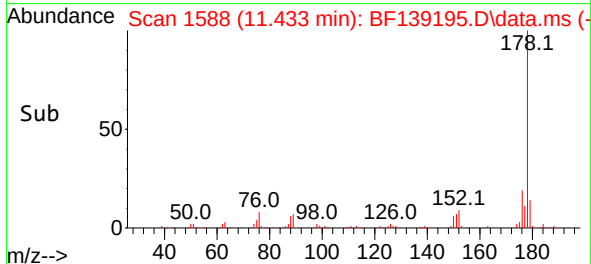
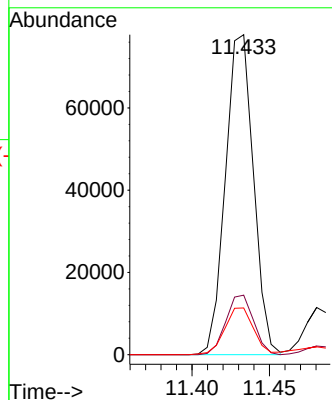
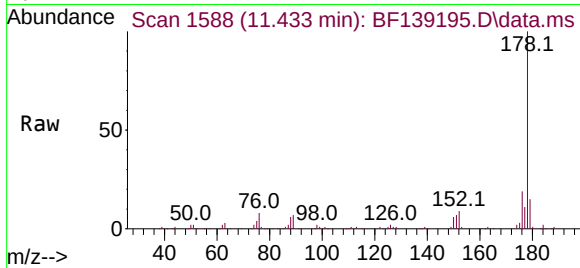




#71
Phenanthrene
Concen: 8.181 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF139195.D
Acq: 27 Aug 2024 19:26

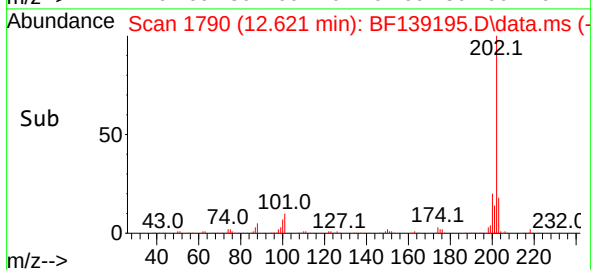
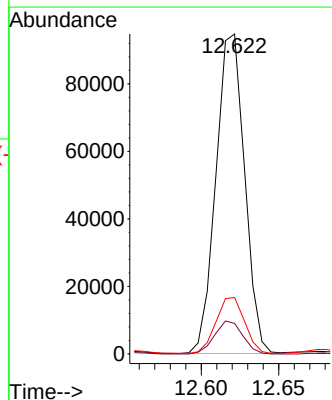
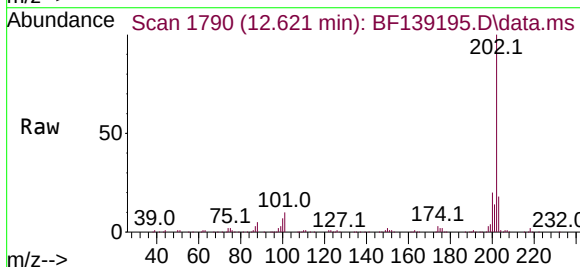
Instrument :
BNA_F
ClientSampleId :
WC-16

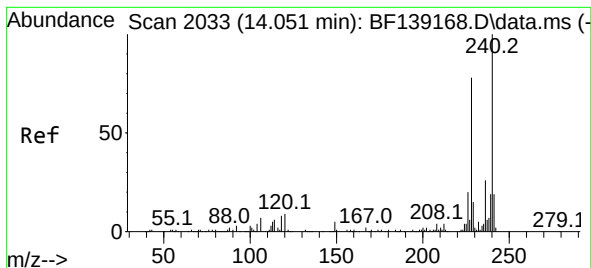
Tgt Ion:178 Resp: 97937
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.0
179 14.6 12.2 18.4



#75
Fluoranthene
Concen: 10.503 ng
RT: 12.621 min Scan# 1790
Delta R.T. 0.000 min
Lab File: BF139195.D
Acq: 27 Aug 2024 19:26

Tgt Ion:202 Resp: 122022
Ion Ratio Lower Upper
202 100
101 9.6 0.0 30.1
203 17.7 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF139195.D

Acq: 27 Aug 2024 19:26

Instrument :

BNA_F

ClientSampleId :

WC-16

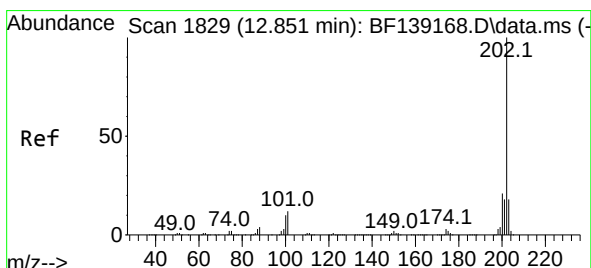
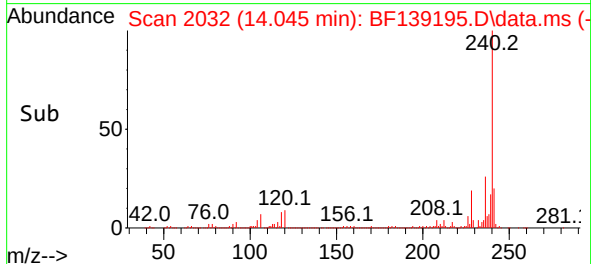
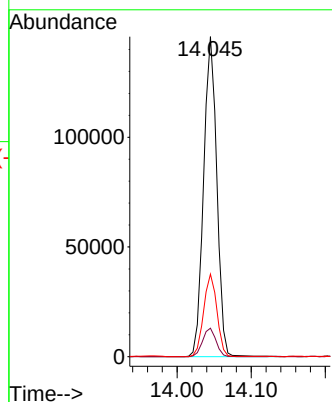
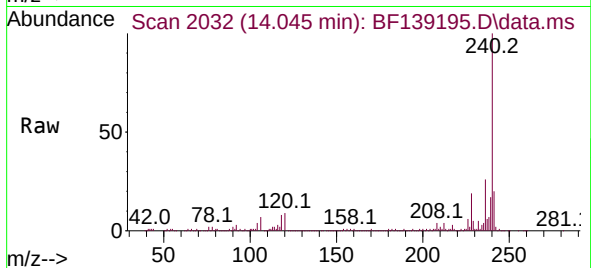
Tgt Ion:240 Resp: 180550

Ion Ratio Lower Upper

240 100

120 8.9 6.9 10.3

236 25.8 20.9 31.3



#78

Pyrene

Concen: 6.873 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.006 min

Lab File: BF139195.D

Acq: 27 Aug 2024 19:26

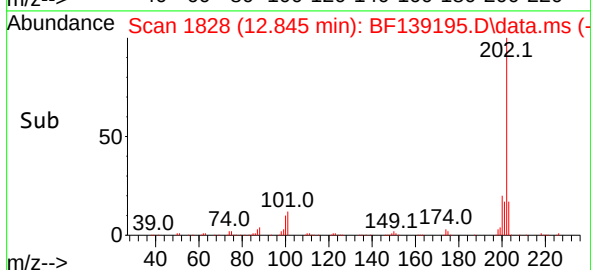
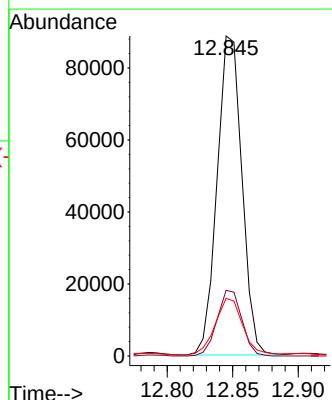
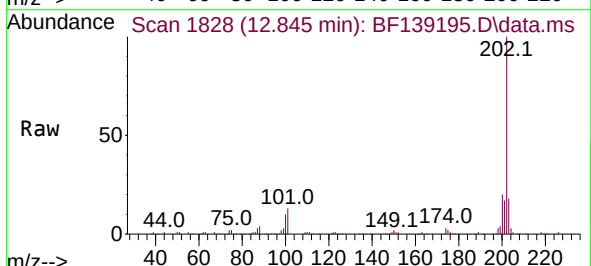
Tgt Ion:202 Resp: 116571

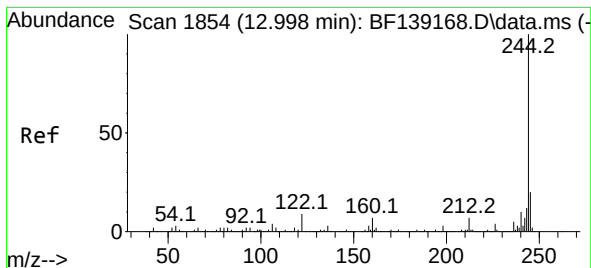
Ion Ratio Lower Upper

202 100

200 20.5 16.7 25.1

203 18.0 14.1 21.1





#79

Terphenyl-d14

Concen: 34.322 ng

RT: 12.992 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139195.D

Acq: 27 Aug 2024 19:26

Instrument :

BNA_F

ClientSampleId :

WC-16

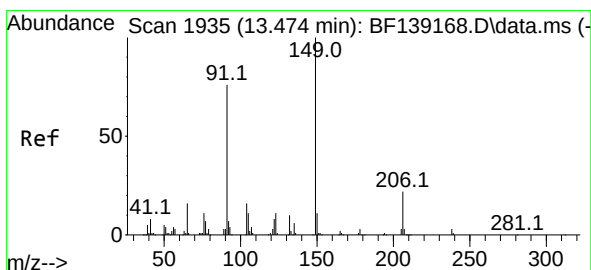
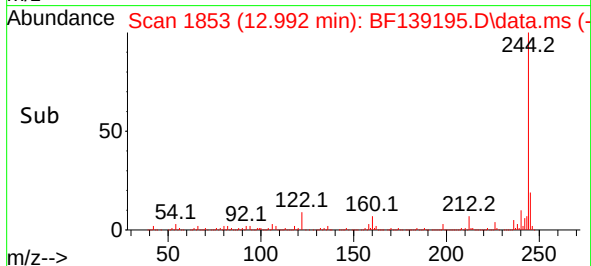
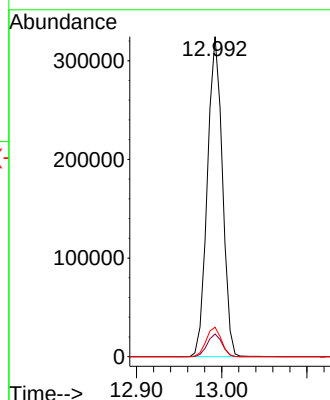
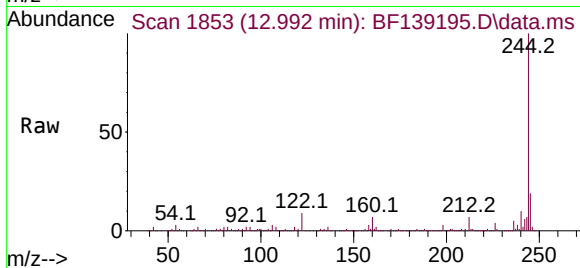
Tgt Ion:244 Resp: 397154

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

122 9.2 7.6 11.4



#80

Butylbenzylphthalate

Concen: 4.588 ng

RT: 13.469 min Scan# 1934

Delta R.T. -0.005 min

Lab File: BF139195.D

Acq: 27 Aug 2024 19:26

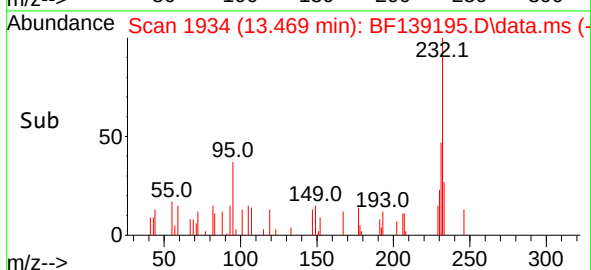
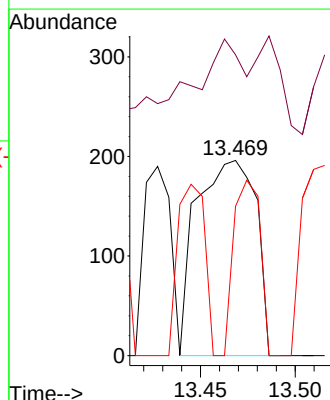
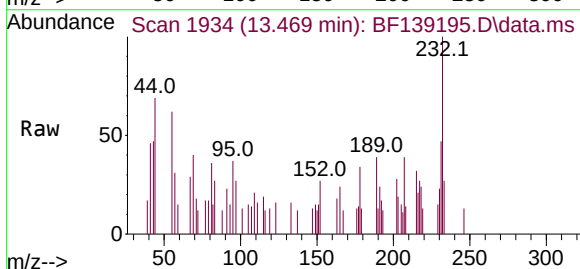
Tgt Ion:149 Resp: 427

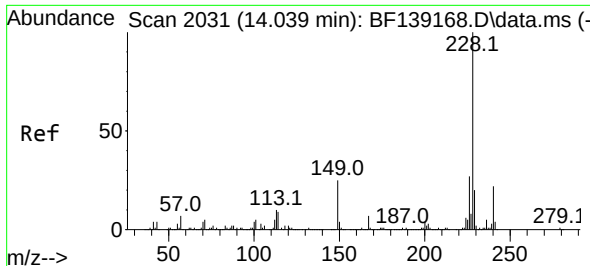
Ion Ratio Lower Upper

149 100

91 154.1 60.9 91.3#

206 76.5 17.7 26.5#

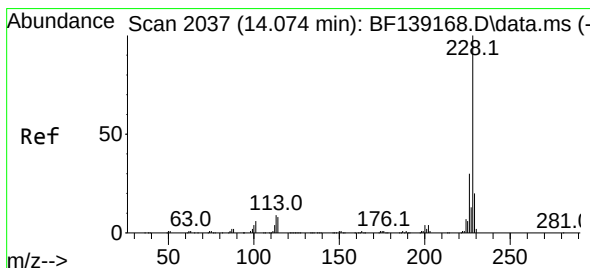
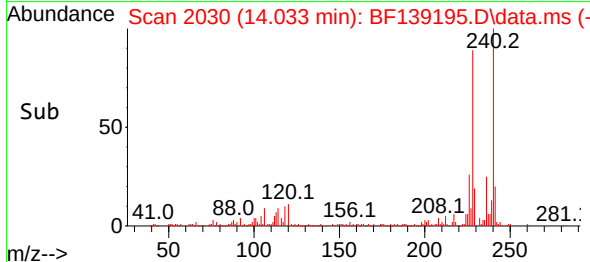
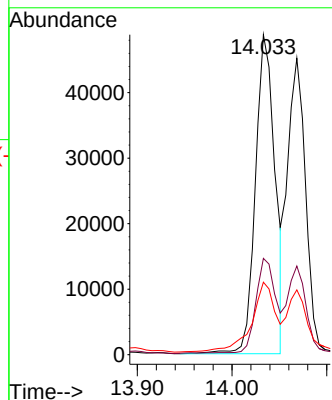
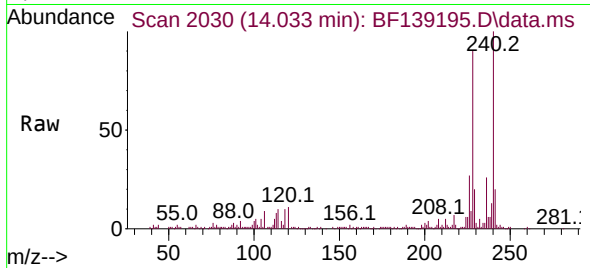




#81
Benzo(a)anthracene
Concen: 5.868 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF139195.D
Acq: 27 Aug 2024 19:26

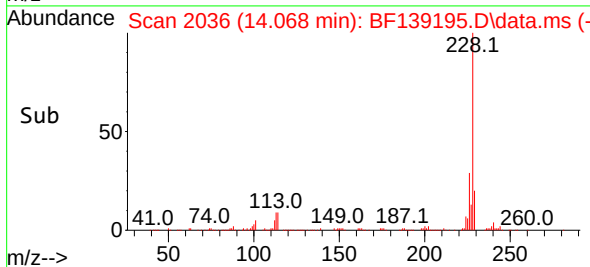
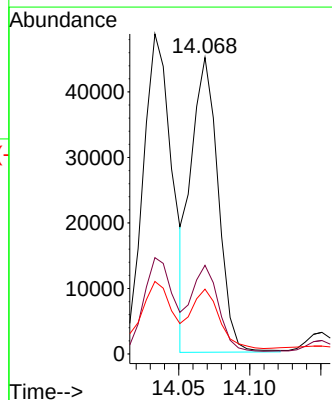
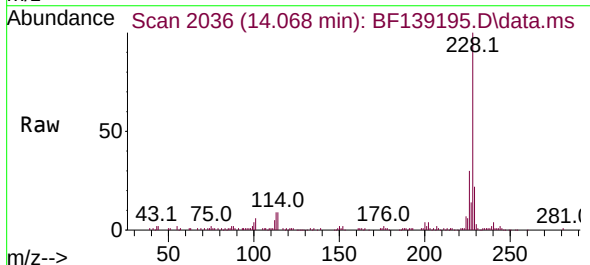
Instrument :
BNA_F
ClientSampleId :
WC-16

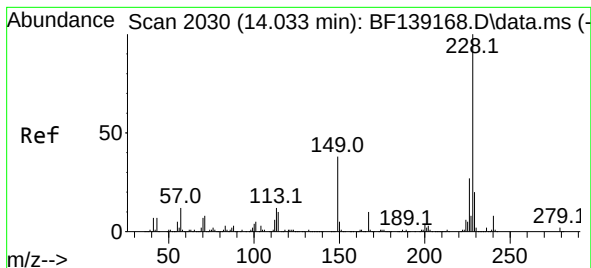
Tgt Ion:228 Resp: 70193
Ion Ratio Lower Upper
228 100
226 30.1 21.4 32.2
229 22.7 15.7 23.5



#83
Chrysene
Concen: 5.498 ng
RT: 14.068 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BF139195.D
Acq: 27 Aug 2024 19:26

Tgt Ion:228 Resp: 59329
Ion Ratio Lower Upper
228 100
226 29.9 23.8 35.6
229 21.9 15.8 23.6

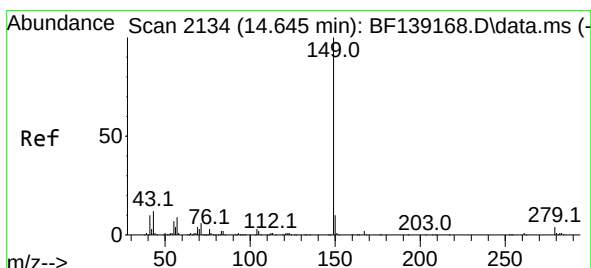
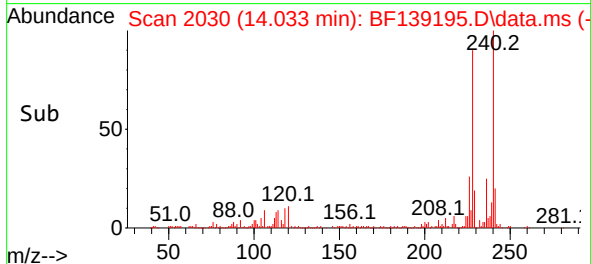
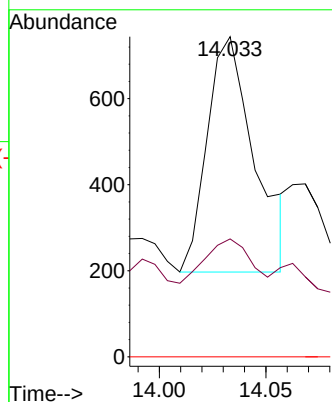
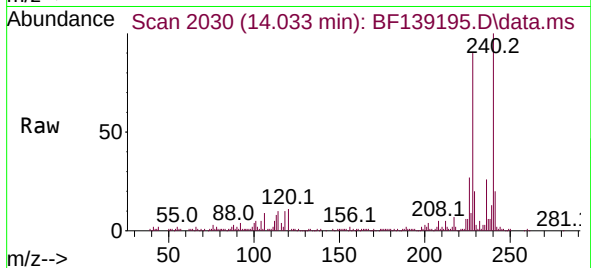




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.393 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF139195.D
Acq: 27 Aug 2024 19:26

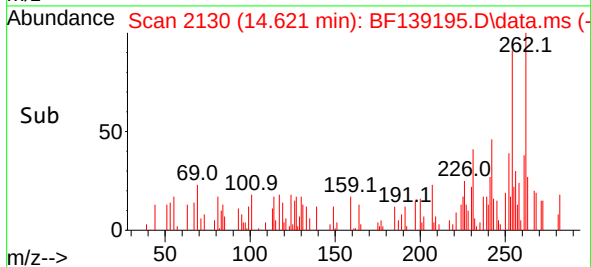
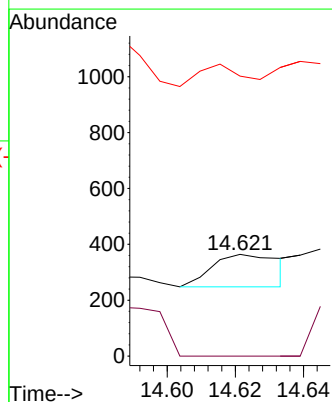
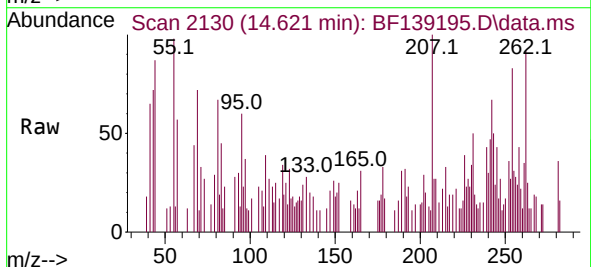
Instrument :
BNA_F
ClientSampleId :
WC-16

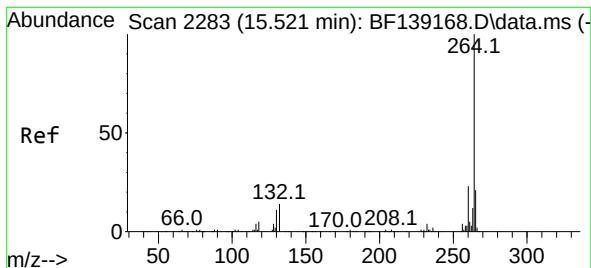
Tgt Ion:149 Resp: 843
Ion Ratio Lower Upper
149 100
167 36.8 21.3 31.9#
279 0.0 3.4 5.0#



#85
Di-n-octyl phthalate
Concen: 8.969 ng
RT: 14.621 min Scan# 2130
Delta R.T. -0.024 min
Lab File: BF139195.D
Acq: 27 Aug 2024 19:26

Tgt Ion:149 Resp: 160
Ion Ratio Lower Upper
149 100
167 0.0 1.3 1.9#
43 0.0 9.9 14.9#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.515 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139195.D

Acq: 27 Aug 2024 19:26

Instrument :

BNA_F

ClientSampleId :

WC-16

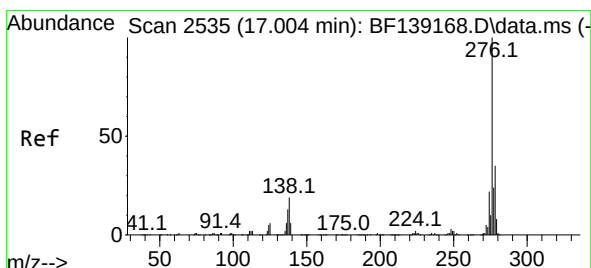
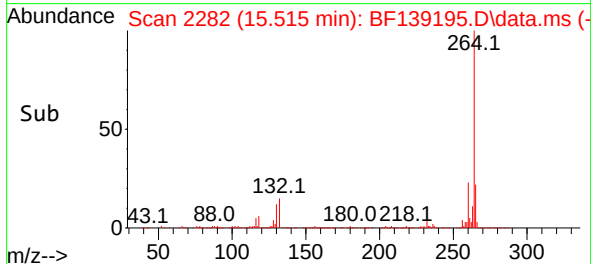
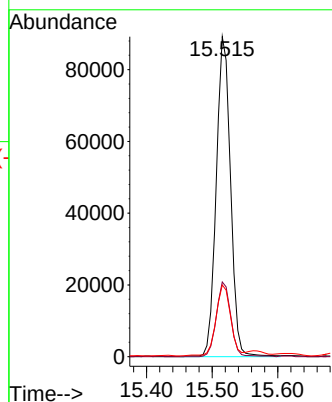
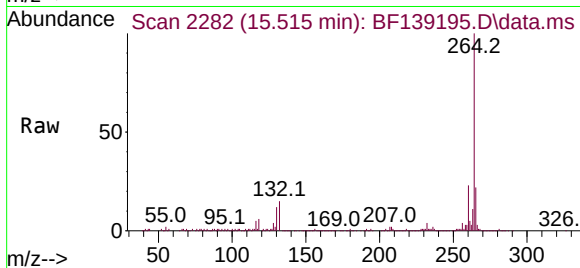
Tgt Ion:264 Resp: 134580

Ion Ratio Lower Upper

264 100

260 23.4 18.3 27.5

265 22.4 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.098 ng

RT: 16.986 min Scan# 2532

Delta R.T. -0.018 min

Lab File: BF139195.D

Acq: 27 Aug 2024 19:26

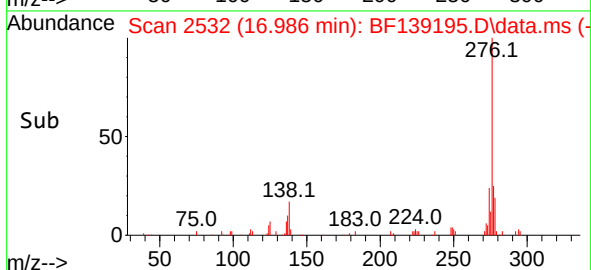
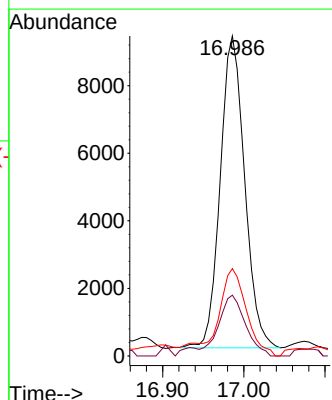
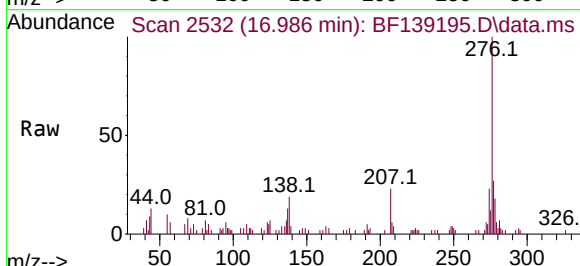
Tgt Ion:276 Resp: 19309

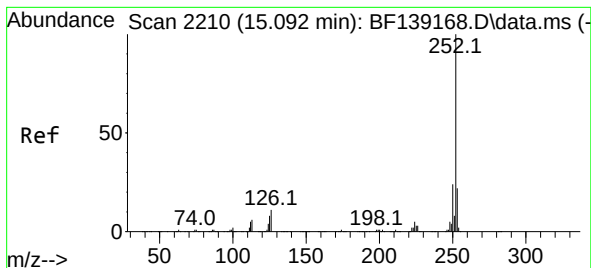
Ion Ratio Lower Upper

276 100

138 21.3 17.4 26.2

277 33.7 20.3 30.5#





#88

Benzo(b)fluoranthene

Concen: 9.773 ng

RT: 15.086 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139195.D

Acq: 27 Aug 2024 19:26

Instrument :

BNA_F

ClientSampleId :

WC-16

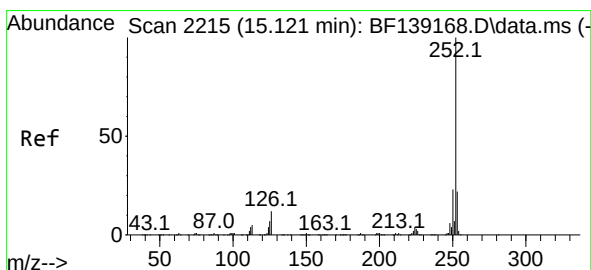
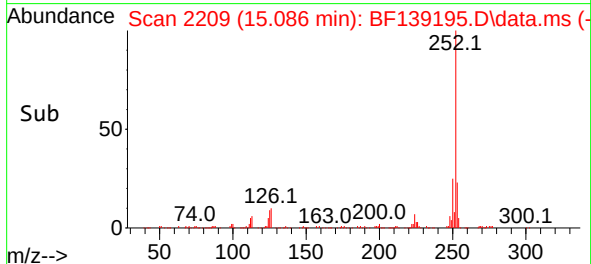
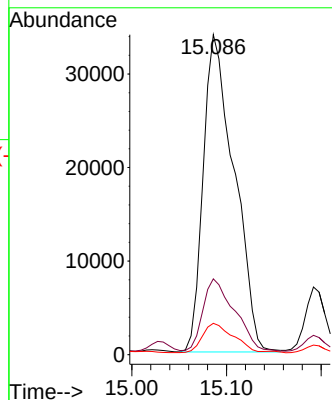
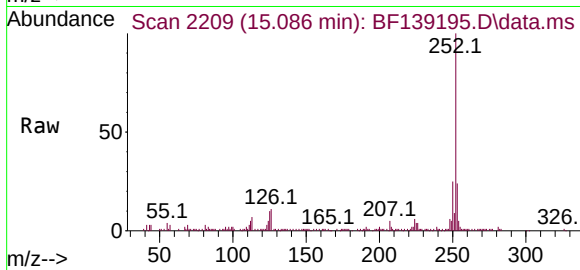
Tgt Ion:252 Resp: 76941

Ion Ratio Lower Upper

252 100

253 23.7 18.0 27.0

125 9.8 6.7 10.1



#89

Benzo(k)fluoranthene

Concen: 10.810 ng

RT: 15.086 min Scan# 2209

Delta R.T. -0.035 min

Lab File: BF139195.D

Acq: 27 Aug 2024 19:26

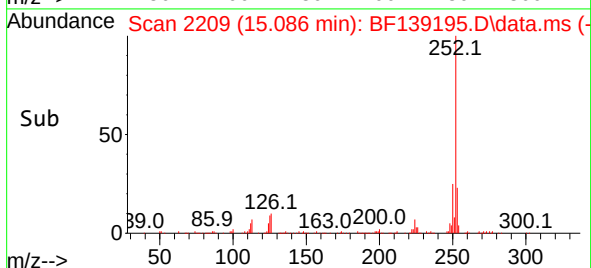
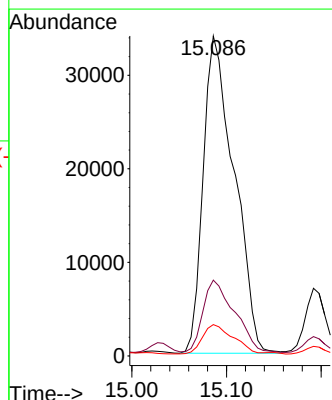
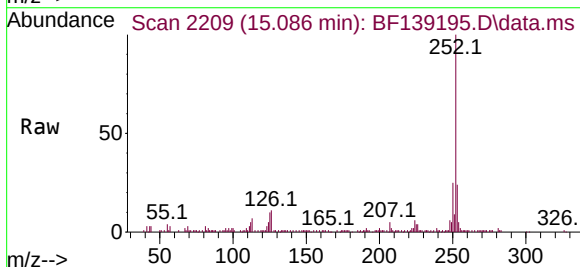
Tgt Ion:252 Resp: 76941

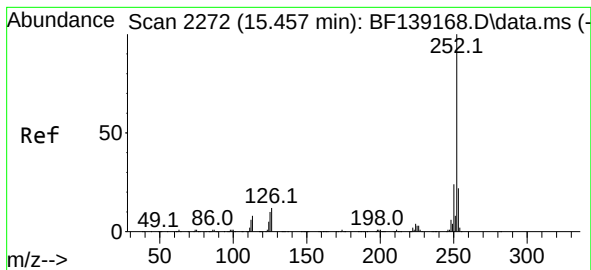
Ion Ratio Lower Upper

252 100

253 23.7 17.8 26.6

125 9.8 6.5 9.7#





#90

Benzo(a)pyrene

Concen: 6.196 ng

RT: 15.451 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139195.D

Acq: 27 Aug 2024 19:26

Instrument :

BNA_F

ClientSampleId :

WC-16

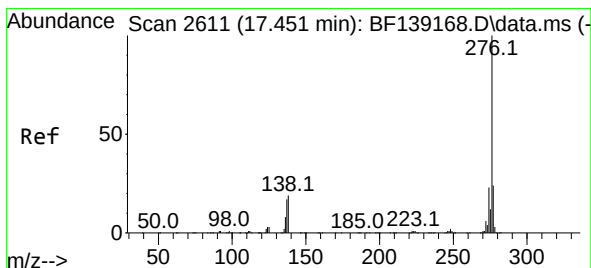
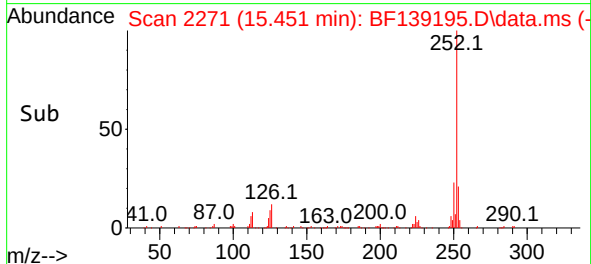
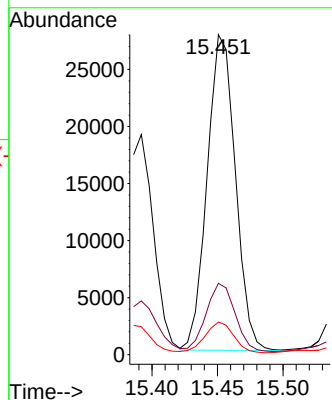
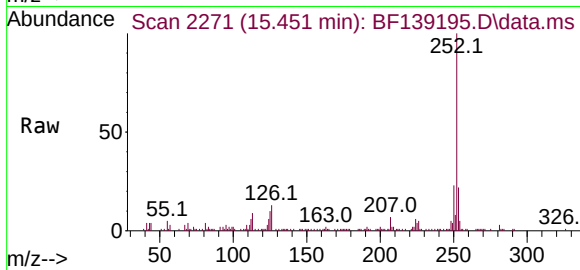
Tgt Ion:252 Resp: 41403

Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

125 10.2 7.8 11.6



#92

Benzo(g,h,i)perylene

Concen: 2.941 ng

RT: 17.433 min Scan# 2608

Delta R.T. -0.018 min

Lab File: BF139195.D

Acq: 27 Aug 2024 19:26

Tgt Ion:276 Resp: 22941

Ion Ratio Lower Upper

276 100

277 23.8 19.0 28.6

138 17.4 15.0 22.6

