

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091824\
 Data File : BF139433.D
 Acq On : 18 Sep 2024 18:50
 Operator : RC/JU
 Sample : P3984-01DL 10X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-A-COMPDL

Quant Time: Sep 19 01:28:30 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 14 02:58:23 2024
 Response via : Initial Calibration

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

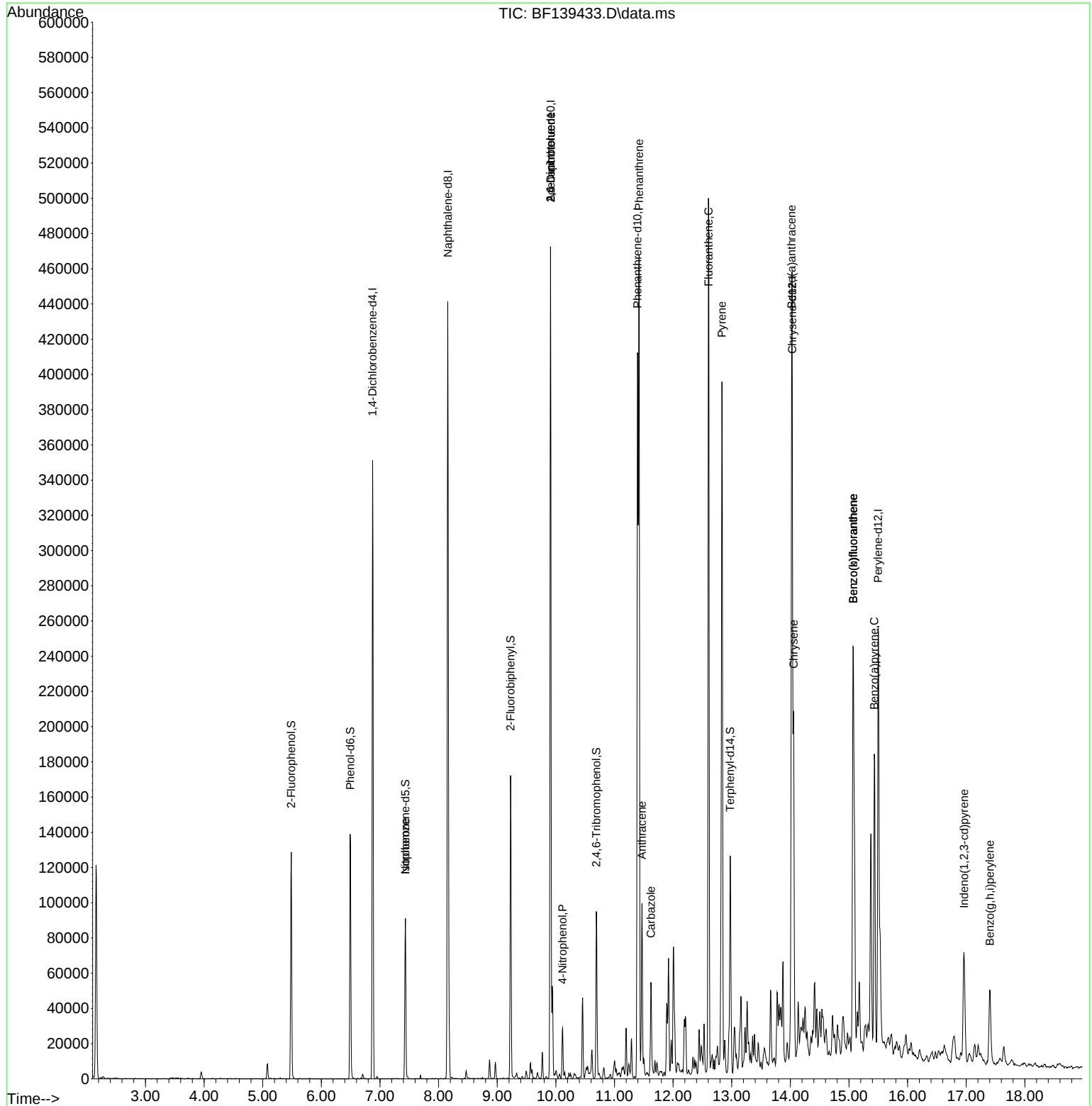
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	66918	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	251794	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	133484	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	223401	20.000	ng	0.00
76) Chrysene-d12	14.033	240	121358	20.000	ng	0.00
86) Perylene-d12	15.498	264	139149	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	40422	9.854	ng	0.00
7) Phenol-d6	6.492	99	54960	10.208	ng	-0.01
23) Nitrobenzene-d5	7.434	82	36335	6.784	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	11693	8.228	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	72247	7.591	ng	0.00
79) Terphenyl-d14	12.974	244	52001	7.033	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.434	82	36335	4.290	ng	# 66
51) 2,6-Dinitrotoluene	9.910	165	17417	8.974	ng	# 15
56) 4-Nitrophenol	10.116	139	6128	3.818	ng	# 1
57) 2,4-Dinitrotoluene	9.910	165	17417	6.647	ng	# 16
71) Phenanthrene	11.422	178	244337	22.670	ng	100
72) Anthracene	11.469	178	54523	5.174	ng	98
73) Carbazole	11.622	167	28333	2.809	ng	100
75) Fluoranthene	12.604	202	287043	24.938	ng	99
78) Pyrene	12.833	202	224121	21.508	ng	98
81) Benzo(a)anthracene	14.021	228	125244	15.580	ng	97
83) Chrysene	14.057	228	95634	12.931	ng	97
87) Indeno(1,2,3-cd)pyrene	16.962	276	46627	5.635	ng	98
88) Benzo(b)fluoranthene	15.074	252	195882	22.825	ng	98
89) Benzo(k)fluoranthene	15.074	252	195882	24.756	ng	98
90) Benzo(a)pyrene	15.433	252	100425	14.110	ng	98
92) Benzo(g,h,i)perylene	17.404	276	39649	5.857	ng	96

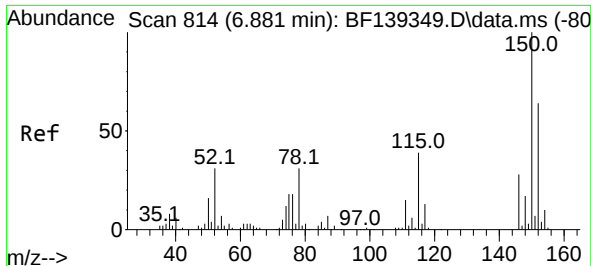
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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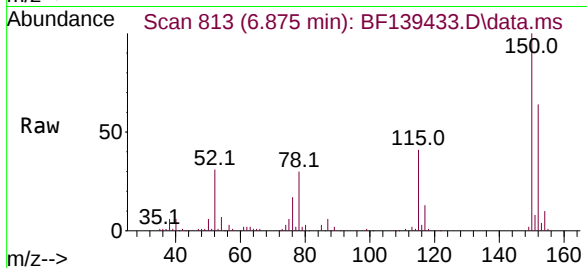
Quant Time: Sep 19 01:28:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 14 02:58:23 2024
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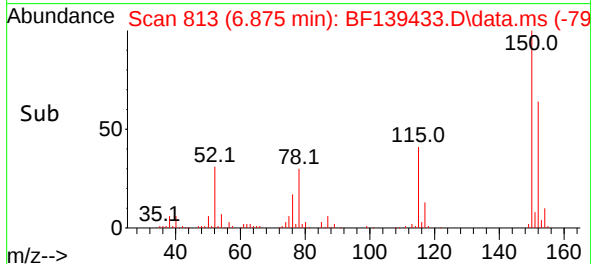
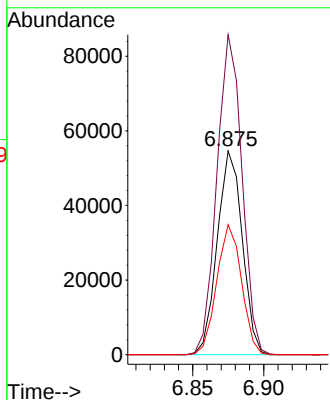


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF139433.D
Acq: 18 Sep 2024 18:50

Instrument :
BNA_F
ClientSampleId :
WC-A-COMPDL

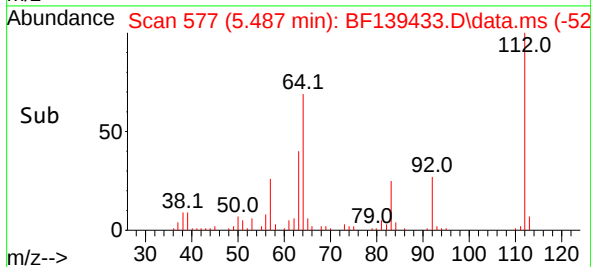
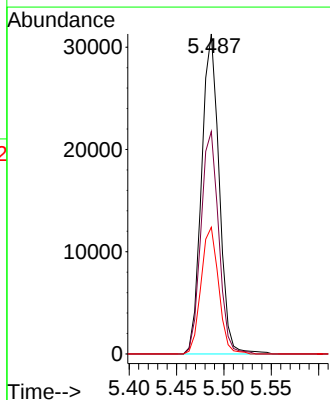
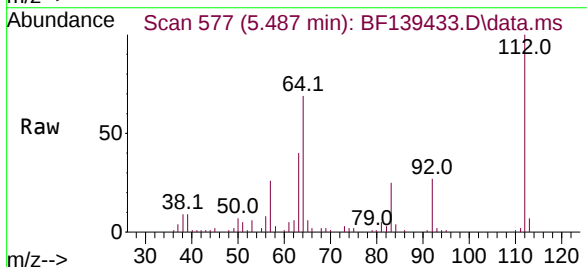


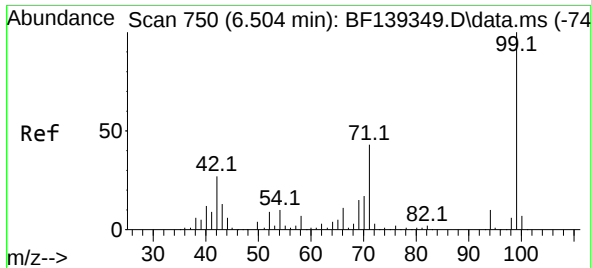
Tgt Ion:152 Resp: 66918
Ion Ratio Lower Upper
152 100
150 157.1 124.1 186.1
115 63.8 48.1 72.1



#5
2-Fluorophenol
Concen: 9.854 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF139433.D
Acq: 18 Sep 2024 18:50

Tgt Ion:112 Resp: 40422
Ion Ratio Lower Upper
112 100
64 69.5 54.8 82.2
63 39.6 33.0 49.4

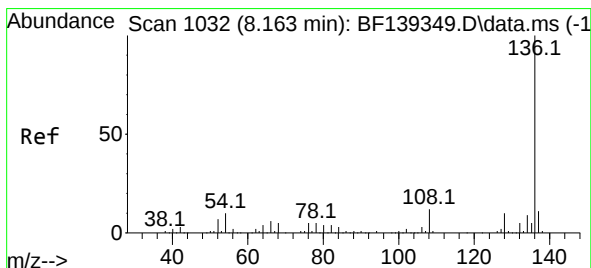
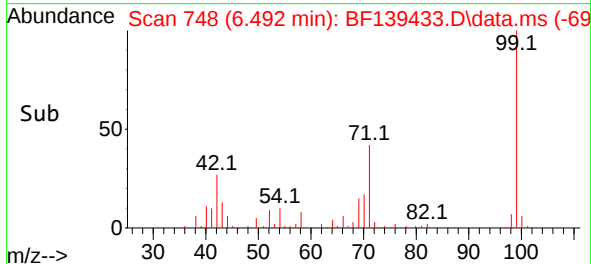
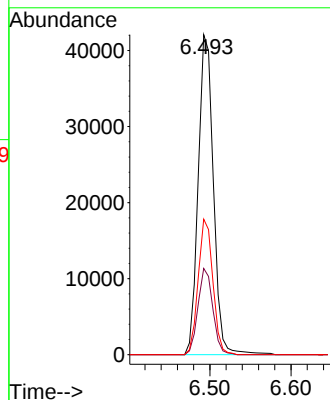
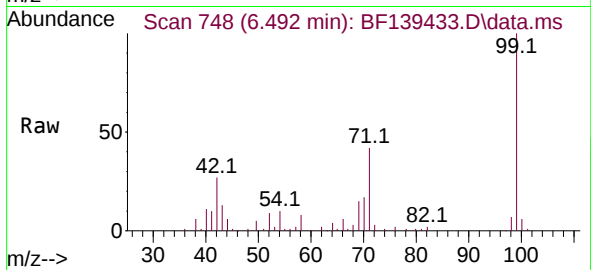




#7
Phenol-d6
Concen: 10.208 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF139433.D
Acq: 18 Sep 2024 18:50

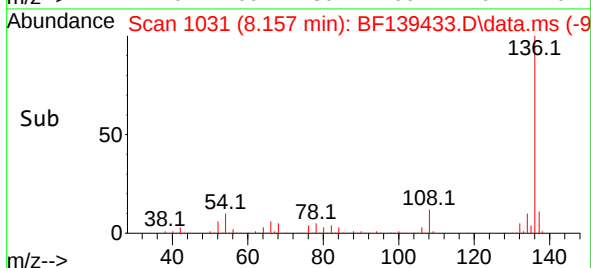
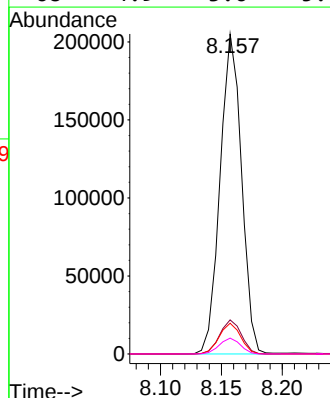
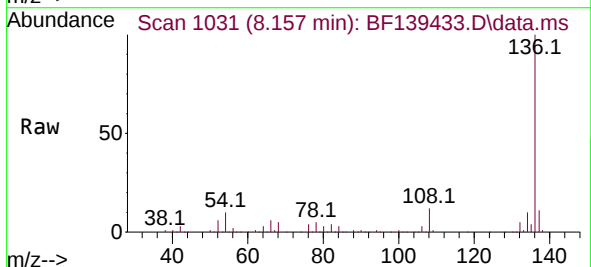
Instrument :
BNA_F
ClientSampleId :
WC-A-COMPDL

Tgt Ion: 99 Resp: 54960
Ion Ratio Lower Upper
99 100
42 26.9 21.9 32.9
71 42.3 34.6 52.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF139433.D
Acq: 18 Sep 2024 18:50

Tgt Ion:136 Resp: 251794
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 9.6 7.8 11.8
68 4.9 3.6 5.4

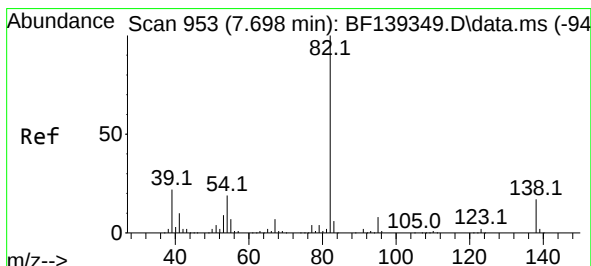
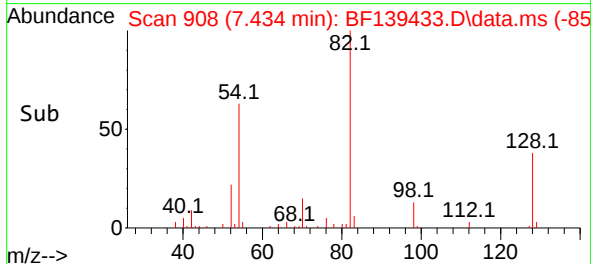
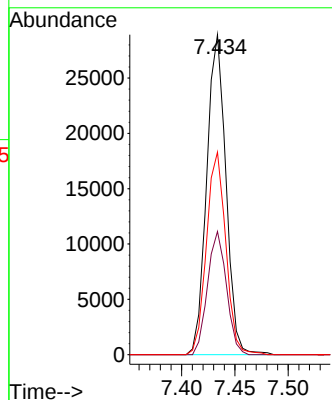
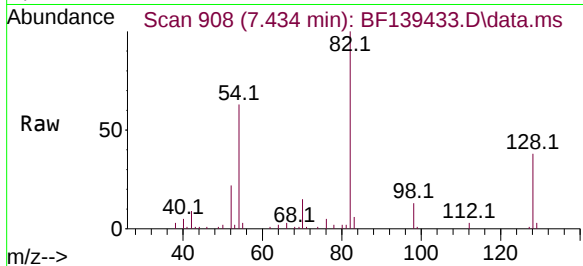




#23
Nitrobenzene-d5
Concen: 6.784 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF139433.D
Acq: 18 Sep 2024 18:50

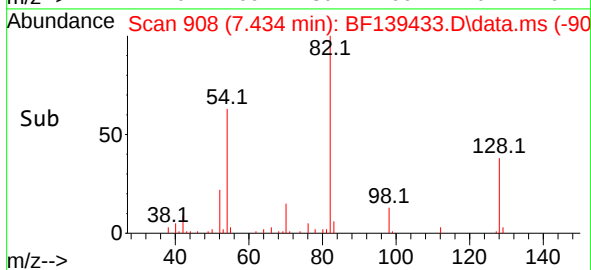
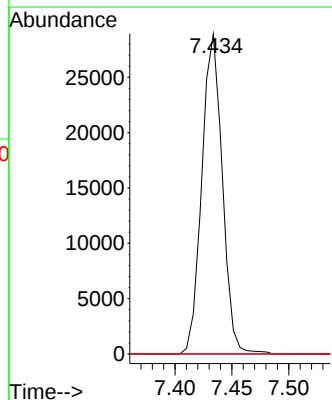
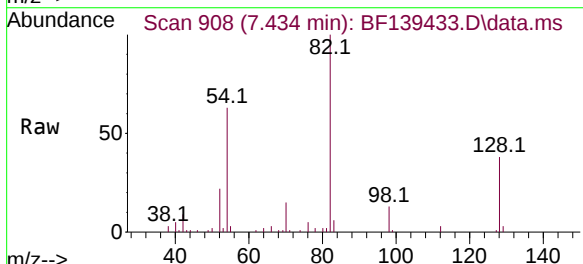
Instrument :
BNA_F
ClientSampleId :
WC-A-COMPDL

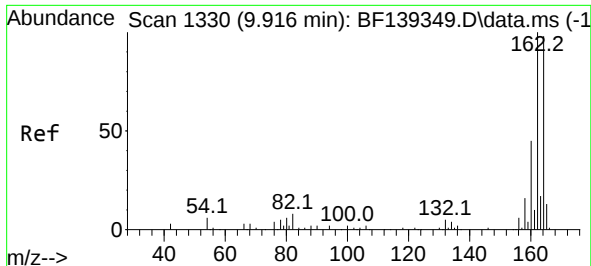
Tgt Ion: 82 Resp: 36335
Ion Ratio Lower Upper
82 100
128 38.5 31.8 47.6
54 63.3 50.6 75.8



#25
Isophorone
Concen: 4.290 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.265 min
Lab File: BF139433.D
Acq: 18 Sep 2024 18:50

Tgt Ion: 82 Resp: 36335
Ion Ratio Lower Upper
82 100
95 0.0 6.7 10.1#
138 0.0 13.3 19.9#

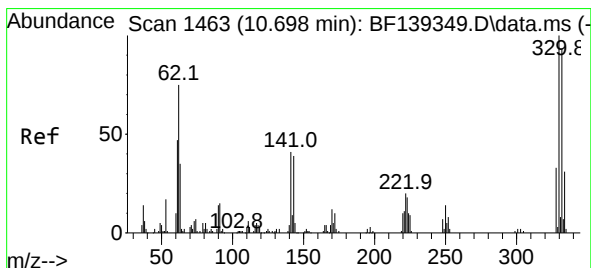
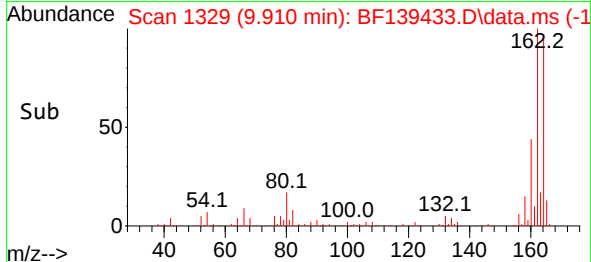
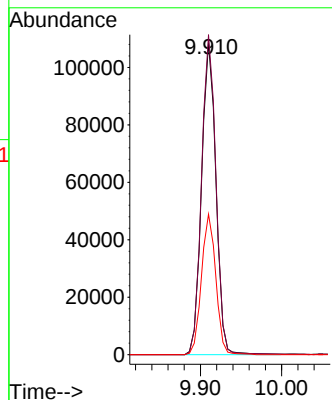
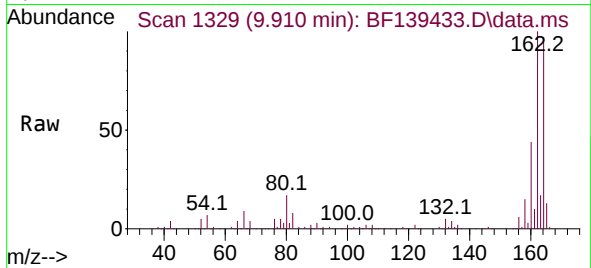




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139433.D
Acq: 18 Sep 2024 18:50

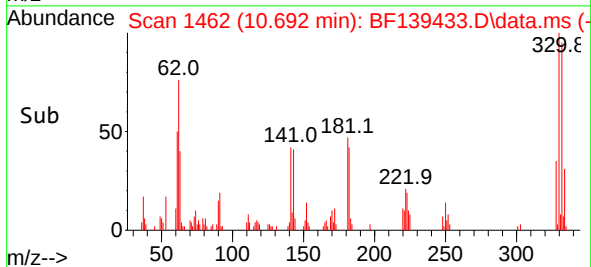
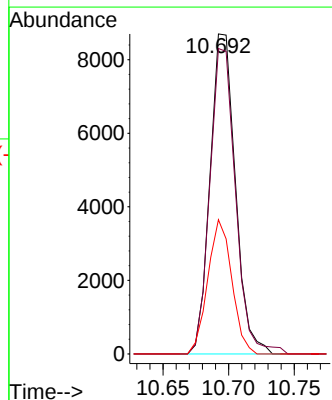
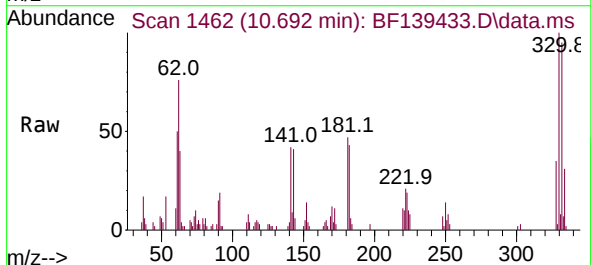
Instrument :
BNA_F
ClientSampleId :
WC-A-COMPDL

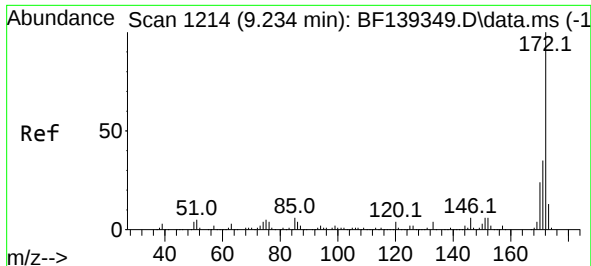
Tgt Ion:164 Resp: 133484
Ion Ratio Lower Upper
164 100
162 102.6 81.3 121.9
160 45.0 36.4 54.6



#42
2,4,6-Tribromophenol
Concen: 8.228 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF139433.D
Acq: 18 Sep 2024 18:50

Tgt Ion:330 Resp: 11693
Ion Ratio Lower Upper
330 100
332 96.8 75.2 112.8
141 39.8 31.2 46.8





#45

2-Fluorobiphenyl

Concen: 7.591 ng

RT: 9.228 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139433.D

Acq: 18 Sep 2024 18:50

Instrument :

BNA_F

ClientSampleId :

WC-A-COMPDL

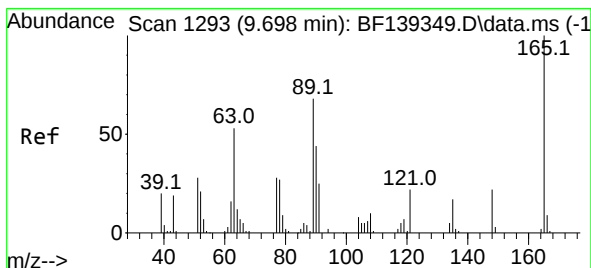
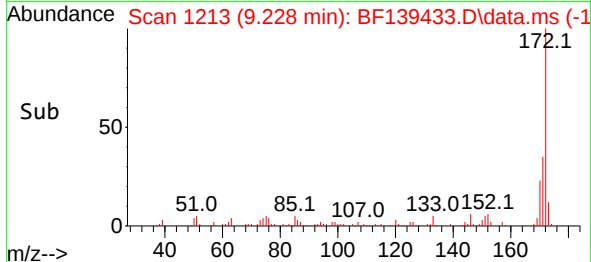
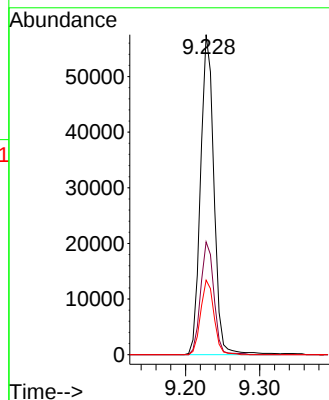
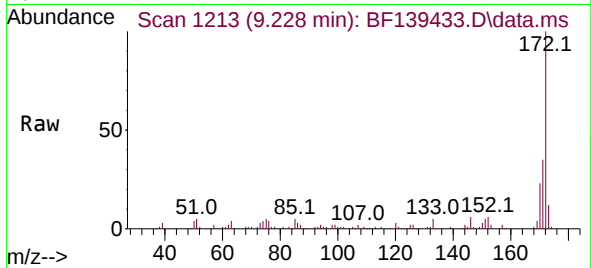
Tgt Ion:172 Resp: 72247

Ion Ratio Lower Upper

172 100

171 35.2 28.3 42.5

170 23.3 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 8.974 ng

RT: 9.910 min Scan# 1329

Delta R.T. 0.212 min

Lab File: BF139433.D

Acq: 18 Sep 2024 18:50

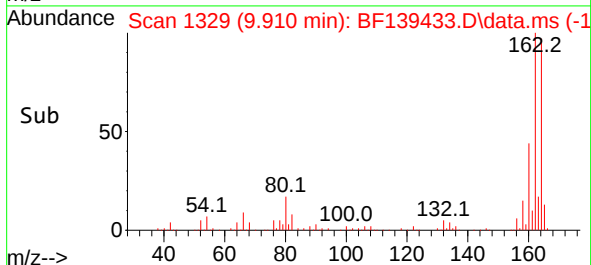
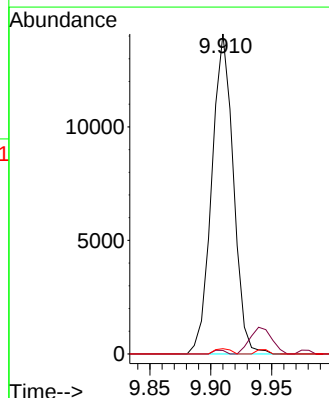
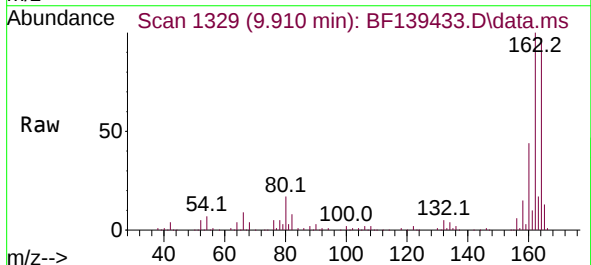
Tgt Ion:165 Resp: 17417

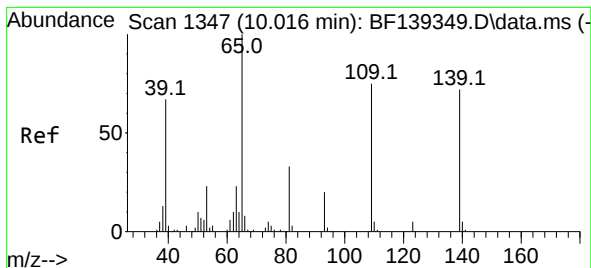
Ion Ratio Lower Upper

165 100

63 1.1 60.9 91.3#

89 1.6 54.7 82.1#

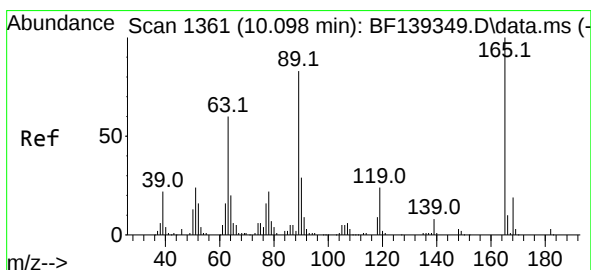
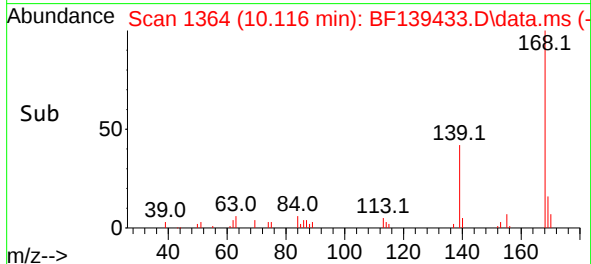
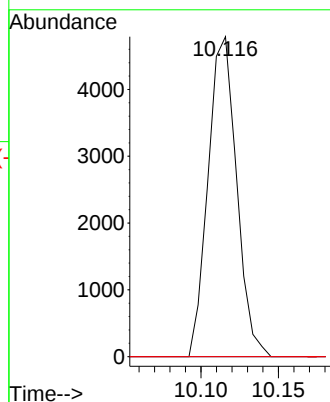
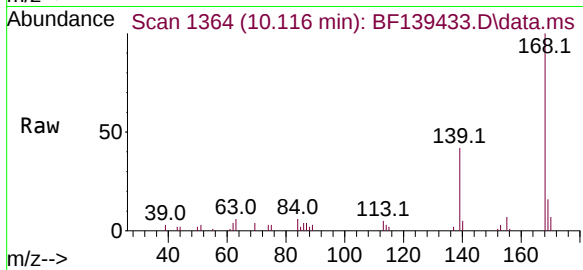




#56
4-Nitrophenol
Concen: 3.818 ng
RT: 10.116 min Scan# 1364
Delta R.T. 0.100 min
Lab File: BF139433.D
Acq: 18 Sep 2024 18:50

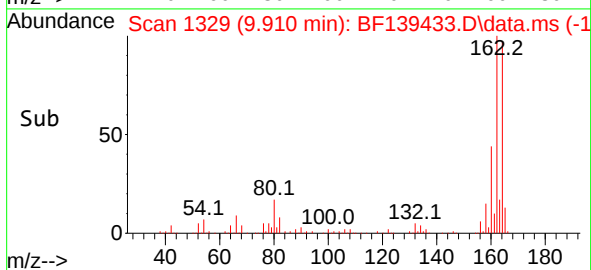
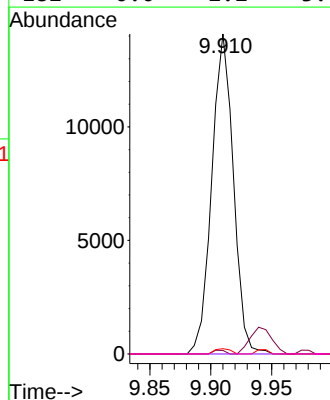
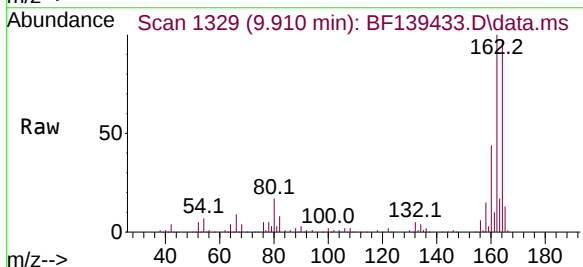
Instrument :
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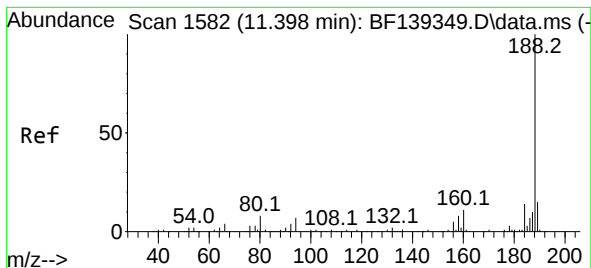
Tgt Ion:139 Resp: 6128
Ion Ratio Lower Upper
139 100
109 0.0 84.1 124.1#
65 0.0 120.0 160.0#



#57
2,4-Dinitrotoluene
Concen: 6.647 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.188 min
Lab File: BF139433.D
Acq: 18 Sep 2024 18:50

Tgt Ion:165 Resp: 17417
Ion Ratio Lower Upper
165 100
63 1.1 47.8 71.6#
89 1.6 66.7 100.1#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139433.D

Acq: 18 Sep 2024 18:50

Instrument :

BNA_F

ClientSampleId :

WC-A-COMPDL

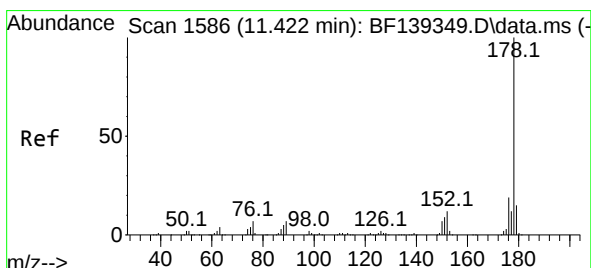
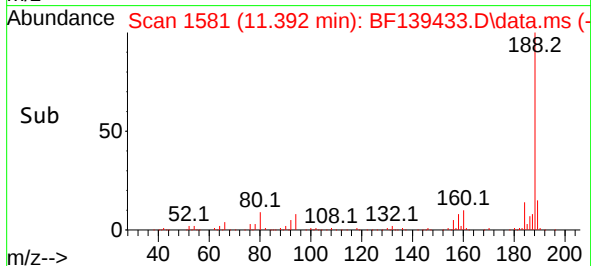
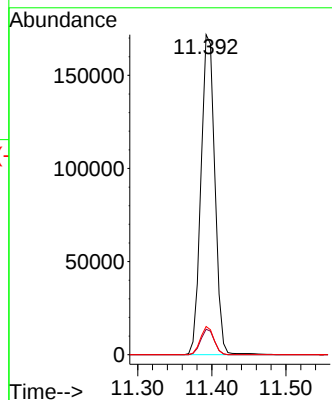
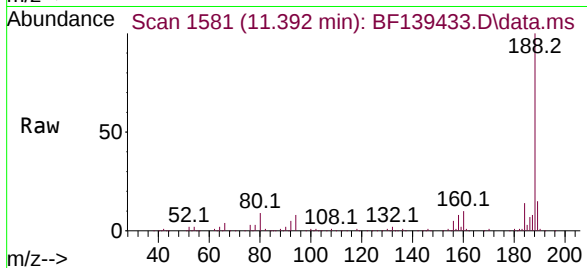
Tgt Ion:188 Resp: 223401

Ion Ratio Lower Upper

188 100

94 7.9 5.5 8.3

80 8.8 6.6 9.8



#71

Phenanthrene

Concen: 22.670 ng

RT: 11.422 min Scan# 1586

Delta R.T. -0.000 min

Lab File: BF139433.D

Acq: 18 Sep 2024 18:50

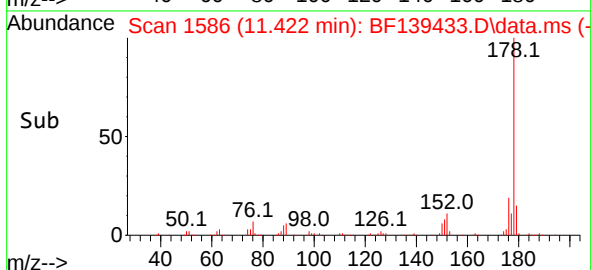
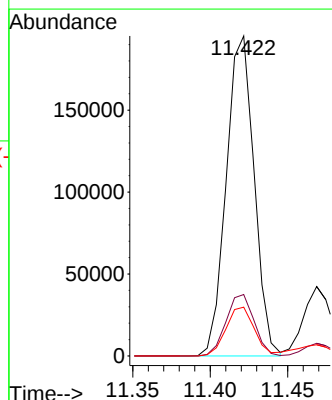
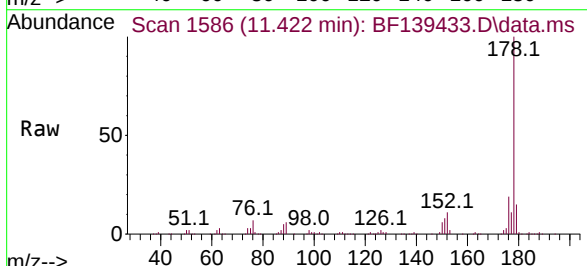
Tgt Ion:178 Resp: 244337

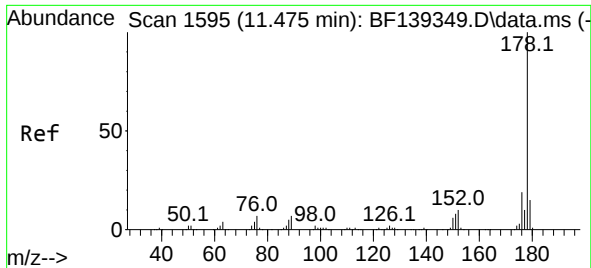
Ion Ratio Lower Upper

178 100

176 19.2 15.2 22.8

179 15.2 12.2 18.4

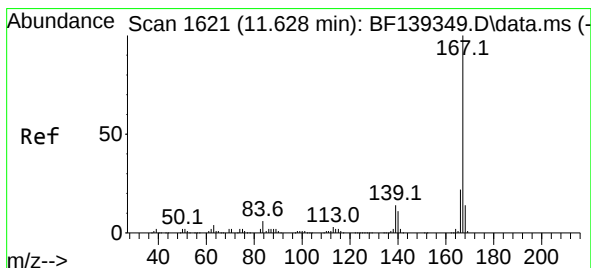
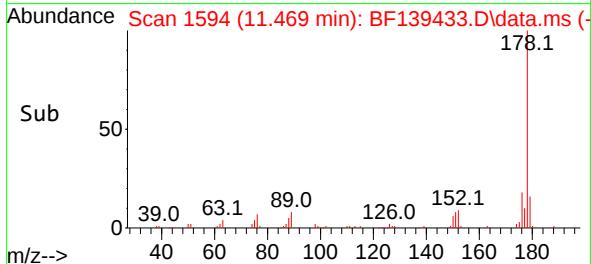
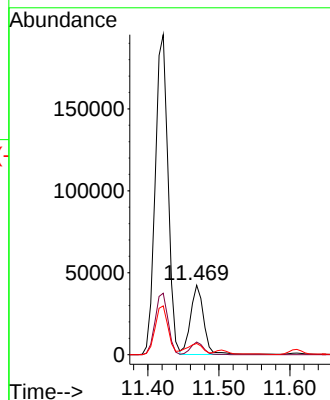
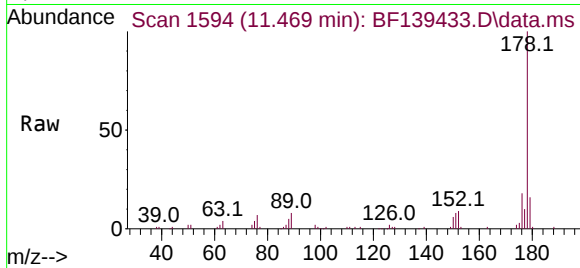




#72
Anthracene
Concen: 5.174 ng
RT: 11.469 min Scan# 1594
Delta R.T. -0.006 min
Lab File: BF139433.D
Acq: 18 Sep 2024 18:50

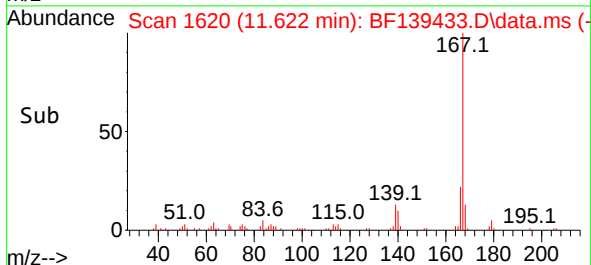
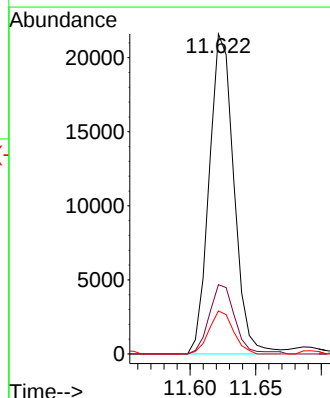
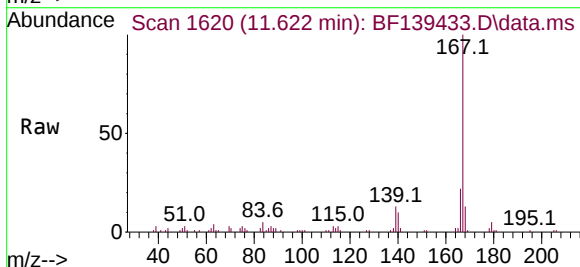
Instrument :
BNA_F
ClientSampleId :
WC-A-COMPDL

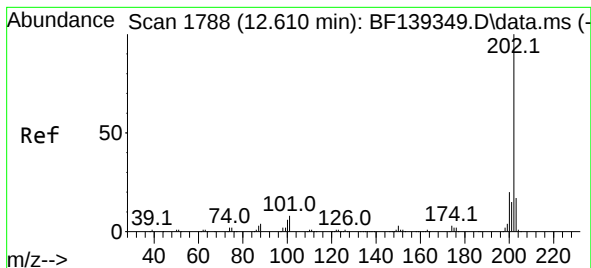
Tgt Ion:178 Resp: 54523
Ion Ratio Lower Upper
178 100
176 18.2 15.0 22.6
179 16.1 12.0 18.0



#73
Carbazole
Concen: 2.809 ng
RT: 11.622 min Scan# 1620
Delta R.T. -0.006 min
Lab File: BF139433.D
Acq: 18 Sep 2024 18:50

Tgt Ion:167 Resp: 28333
Ion Ratio Lower Upper
167 100
166 21.6 17.5 26.3
139 13.4 10.9 16.3





#75

Fluoranthene

Concen: 24.938 ng

RT: 12.604 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139433.D

Acq: 18 Sep 2024 18:50

Instrument :

BNA_F

ClientSampleId :

WC-A-COMPDL

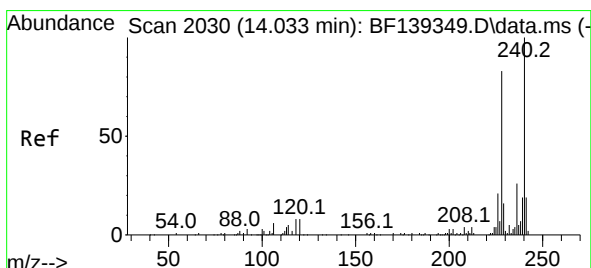
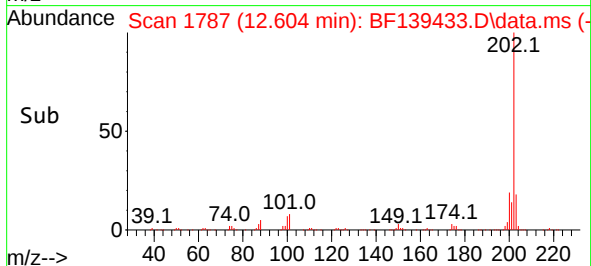
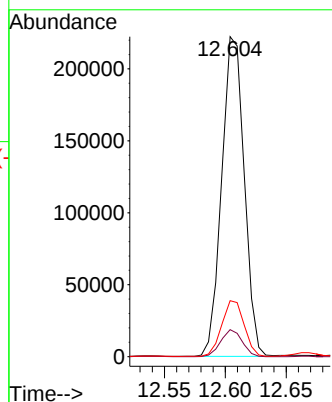
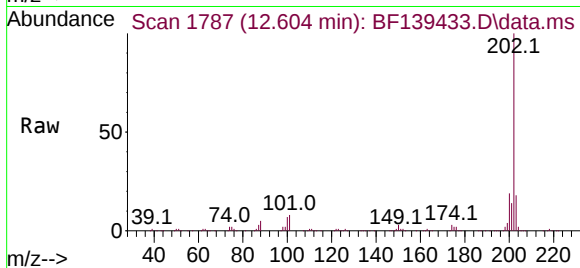
Tgt Ion:202 Resp: 287043

Ion Ratio Lower Upper

202 100

101 8.5 0.0 27.7

203 17.5 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BF139433.D

Acq: 18 Sep 2024 18:50

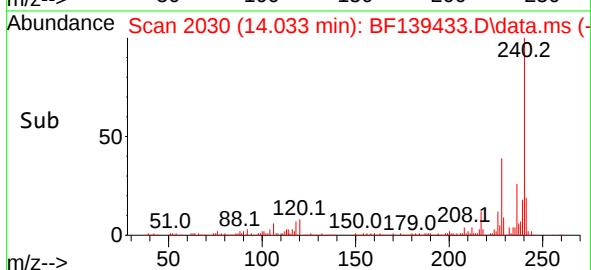
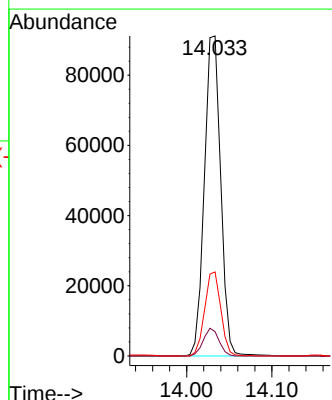
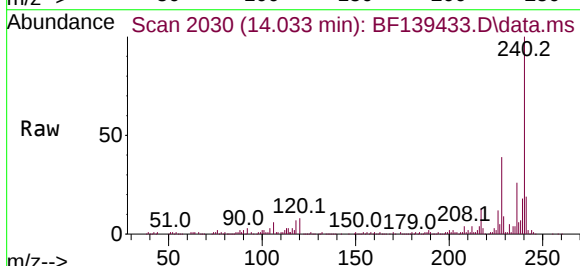
Tgt Ion:240 Resp: 121358

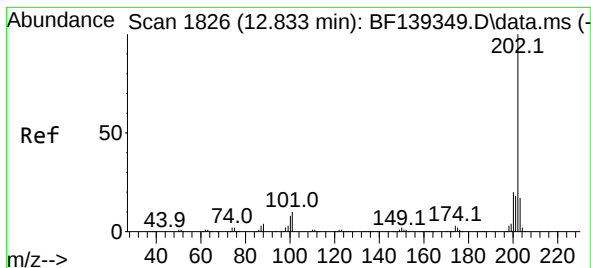
Ion Ratio Lower Upper

240 100

120 7.6 6.2 9.2

236 26.2 20.9 31.3





#78

Pyrene

Concen: 21.508 ng

RT: 12.833 min Scan# 1826

Delta R.T. -0.000 min

Lab File: BF139433.D

Acq: 18 Sep 2024 18:50

Instrument :

BNA_F

ClientSampleId :

WC-A-COMPDL

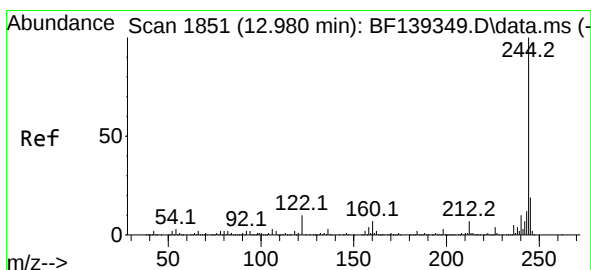
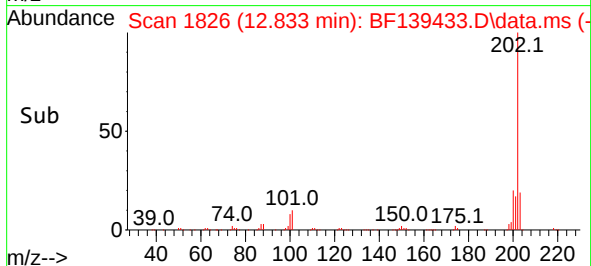
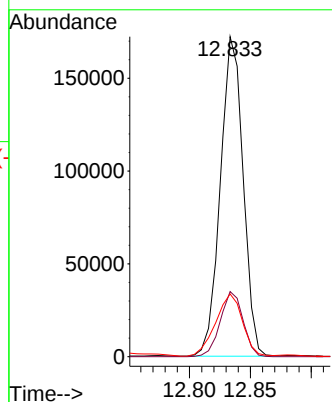
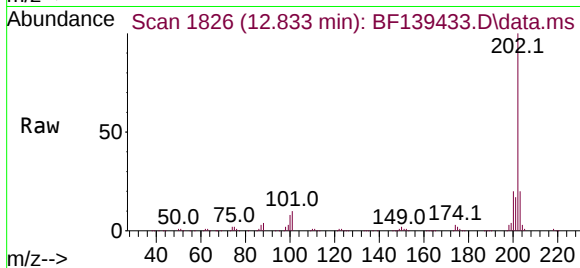
Tgt Ion:202 Resp: 224121

Ion Ratio Lower Upper

202 100

200 20.3 16.2 24.2

203 19.6 13.9 20.9



#79

Terphenyl-d14

Concen: 7.033 ng

RT: 12.974 min Scan# 1850

Delta R.T. -0.006 min

Lab File: BF139433.D

Acq: 18 Sep 2024 18:50

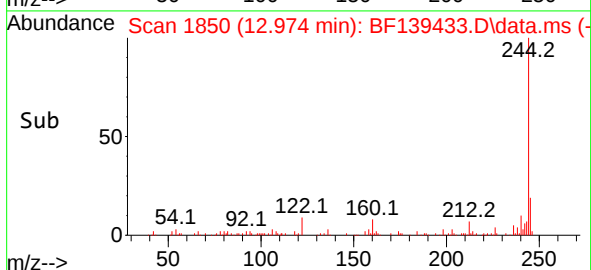
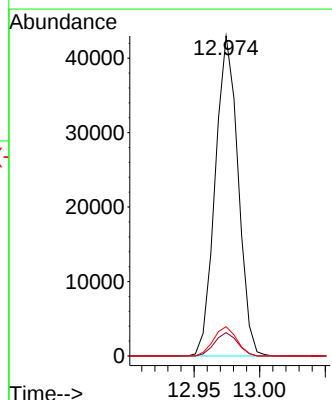
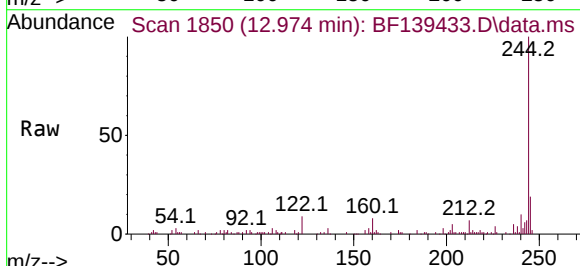
Tgt Ion:244 Resp: 52001

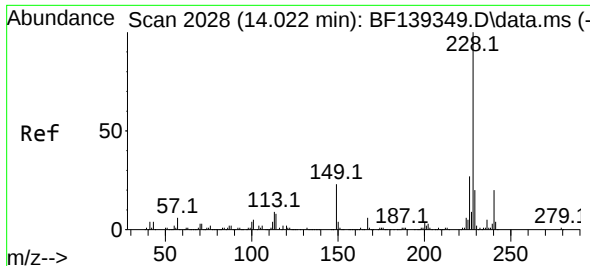
Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

122 9.2 7.6 11.4

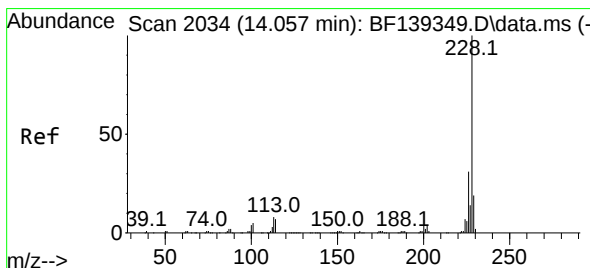
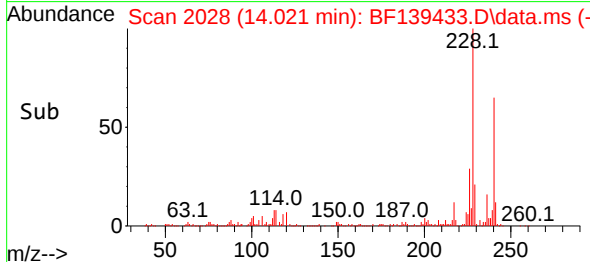
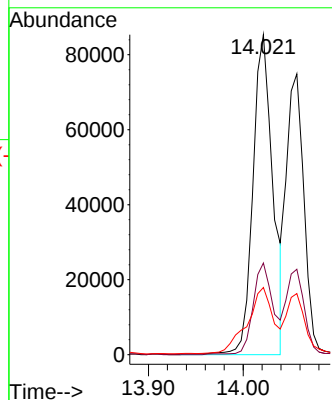
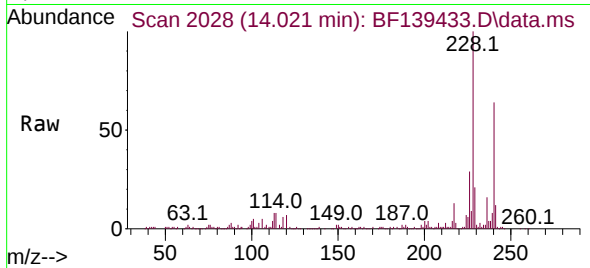




#81
Benzo(a)anthracene
Concen: 15.580 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF139433.D
Acq: 18 Sep 2024 18:50

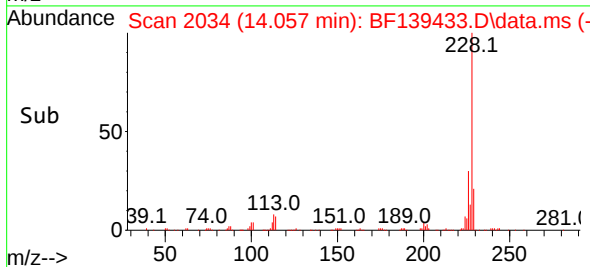
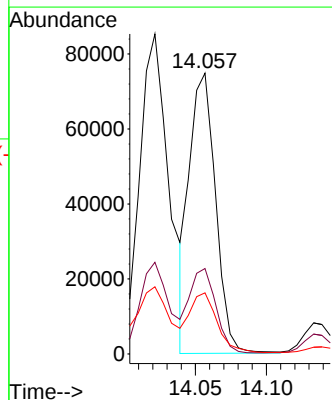
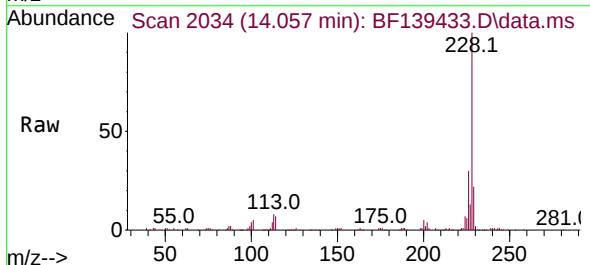
Instrument :
BNA_F
ClientSampleId :
WC-A-COMPDL

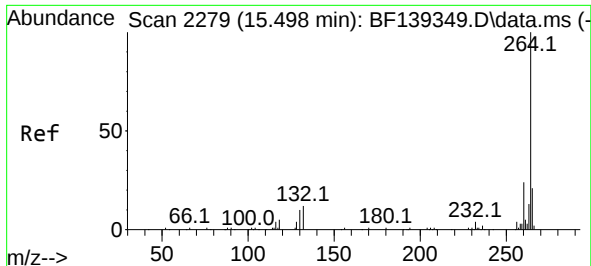
Tgt Ion:228 Resp: 125244
Ion Ratio Lower Upper
228 100
226 28.6 21.6 32.4
229 21.0 15.7 23.5



#83
Chrysene
Concen: 12.931 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139433.D
Acq: 18 Sep 2024 18:50

Tgt Ion:228 Resp: 95634
Ion Ratio Lower Upper
228 100
226 30.4 24.1 36.1
229 21.8 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139433.D

Acq: 18 Sep 2024 18:50

Instrument :

BNA_F

ClientSampleId :

WC-A-COMPDL

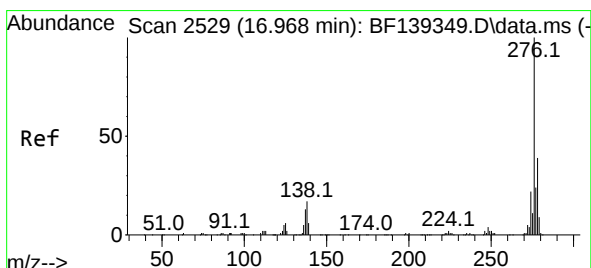
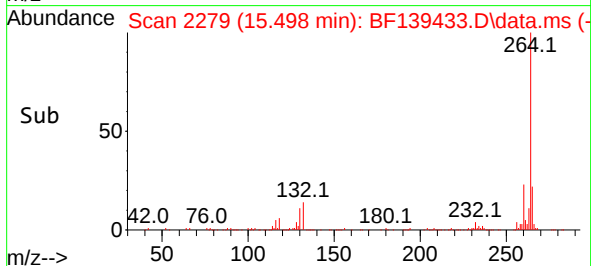
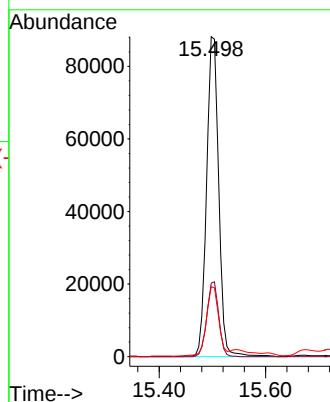
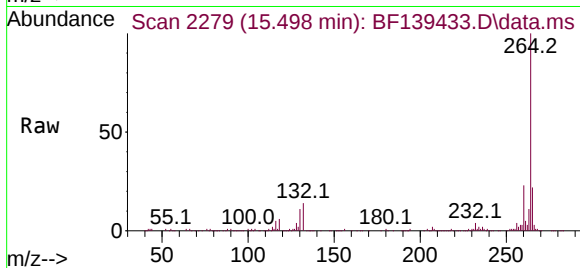
Tgt Ion:264 Resp: 139149

Ion Ratio Lower Upper

264 100

260 23.0 19.5 29.3

265 21.9 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.635 ng

RT: 16.962 min Scan# 2528

Delta R.T. -0.006 min

Lab File: BF139433.D

Acq: 18 Sep 2024 18:50

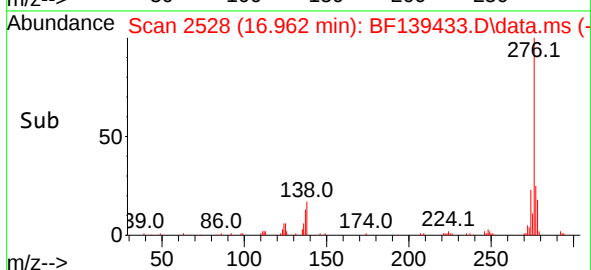
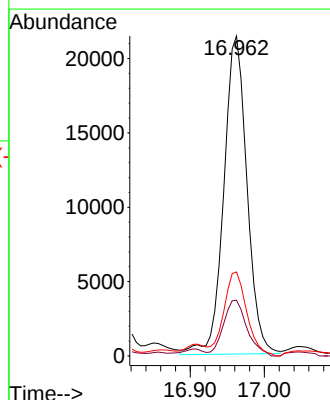
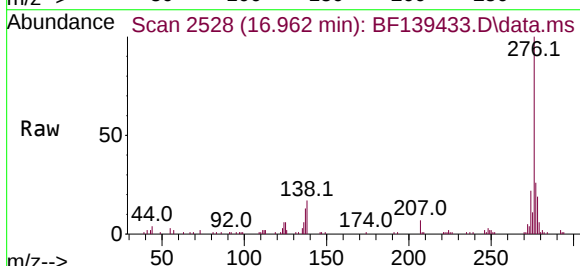
Tgt Ion:276 Resp: 46627

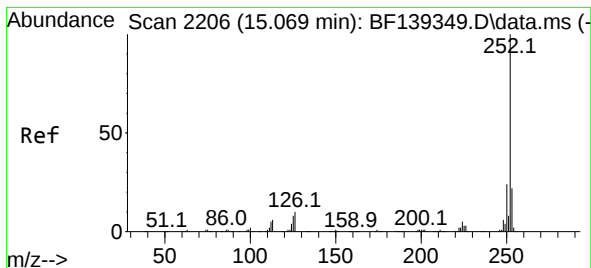
Ion Ratio Lower Upper

276 100

138 17.8 15.4 23.2

277 26.3 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 22.825 ng

RT: 15.074 min Scan# 2207

Delta R.T. 0.006 min

Lab File: BF139433.D

Acq: 18 Sep 2024 18:50

Instrument :

BNA_F

ClientSampleId :

WC-A-COMPDL

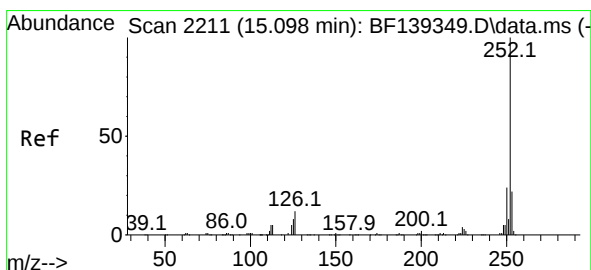
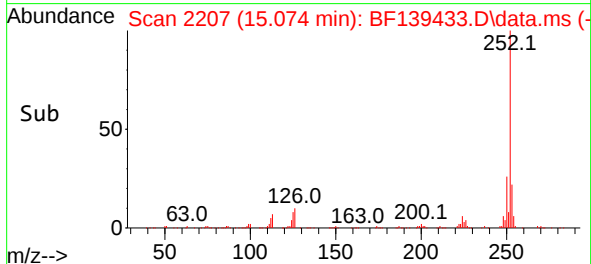
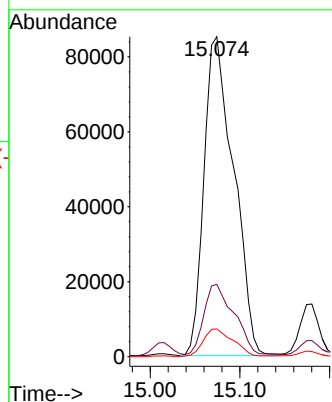
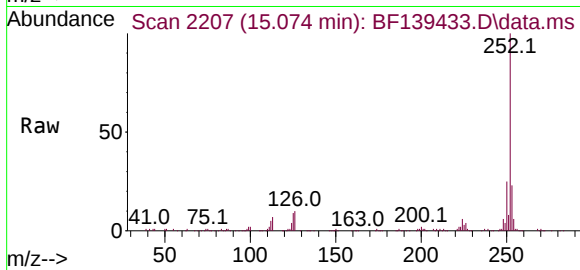
Tgt Ion:252 Resp: 195882

Ion Ratio Lower Upper

252 100

253 22.6 17.6 26.4

125 8.7 6.2 9.2



#89

Benzo(k)fluoranthene

Concen: 24.756 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.024 min

Lab File: BF139433.D

Acq: 18 Sep 2024 18:50

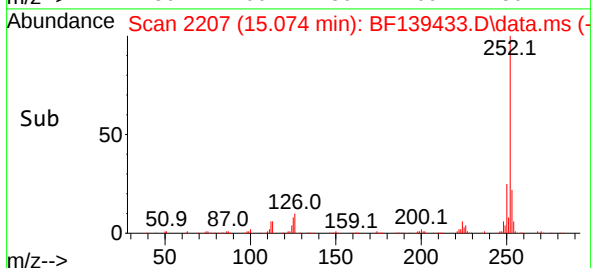
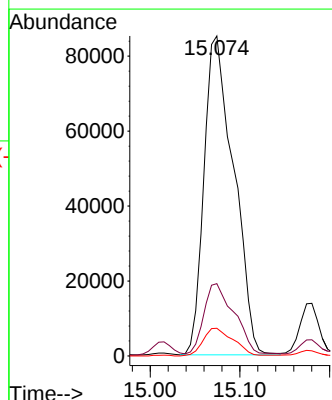
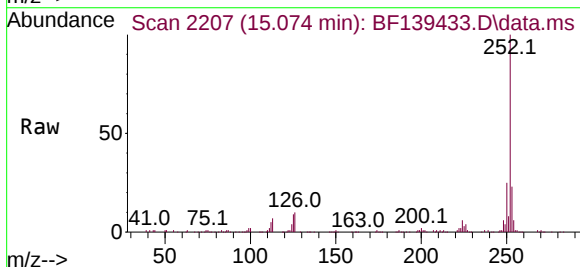
Tgt Ion:252 Resp: 195882

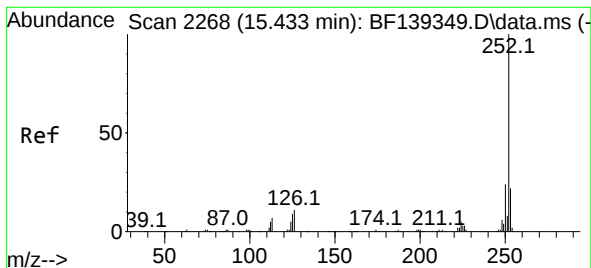
Ion Ratio Lower Upper

252 100

253 22.6 17.3 25.9

125 8.7 5.9 8.9





#90

Benzo(a)pyrene

Concen: 14.110 ng

RT: 15.433 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139433.D

Acq: 18 Sep 2024 18:50

Instrument :

BNA_F

ClientSampleId :

WC-A-COMPDL

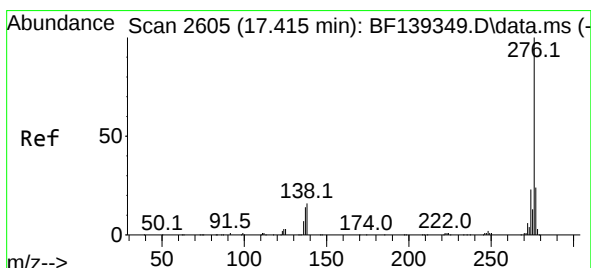
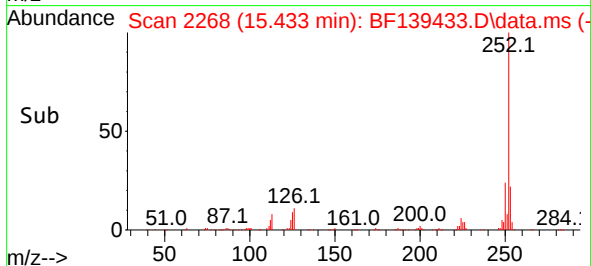
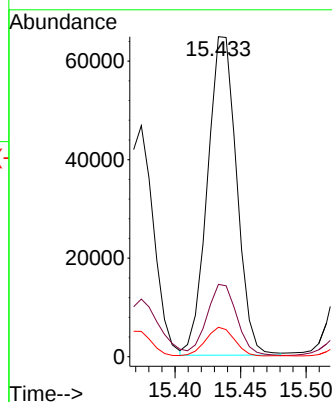
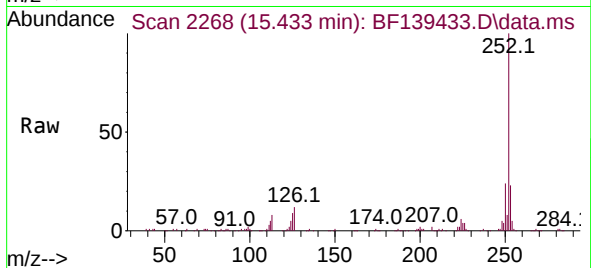
Tgt Ion:252 Resp: 100425

Ion Ratio Lower Upper

252 100

253 22.6 17.3 25.9

125 9.2 6.8 10.2



#92

Benzo(g,h,i)perylene

Concen: 5.857 ng

RT: 17.404 min Scan# 2603

Delta R.T. -0.012 min

Lab File: BF139433.D

Acq: 18 Sep 2024 18:50

Tgt Ion:276 Resp: 39649

Ion Ratio Lower Upper

276 100

277 25.3 18.9 28.3

138 18.3 13.0 19.6

