

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091824\
 Data File : BF139441.D
 Acq On : 18 Sep 2024 22:38
 Operator : RC/JU
 Sample : P4087-31
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-614-COMP-06

Quant Time: Sep 19 01:31:00 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)

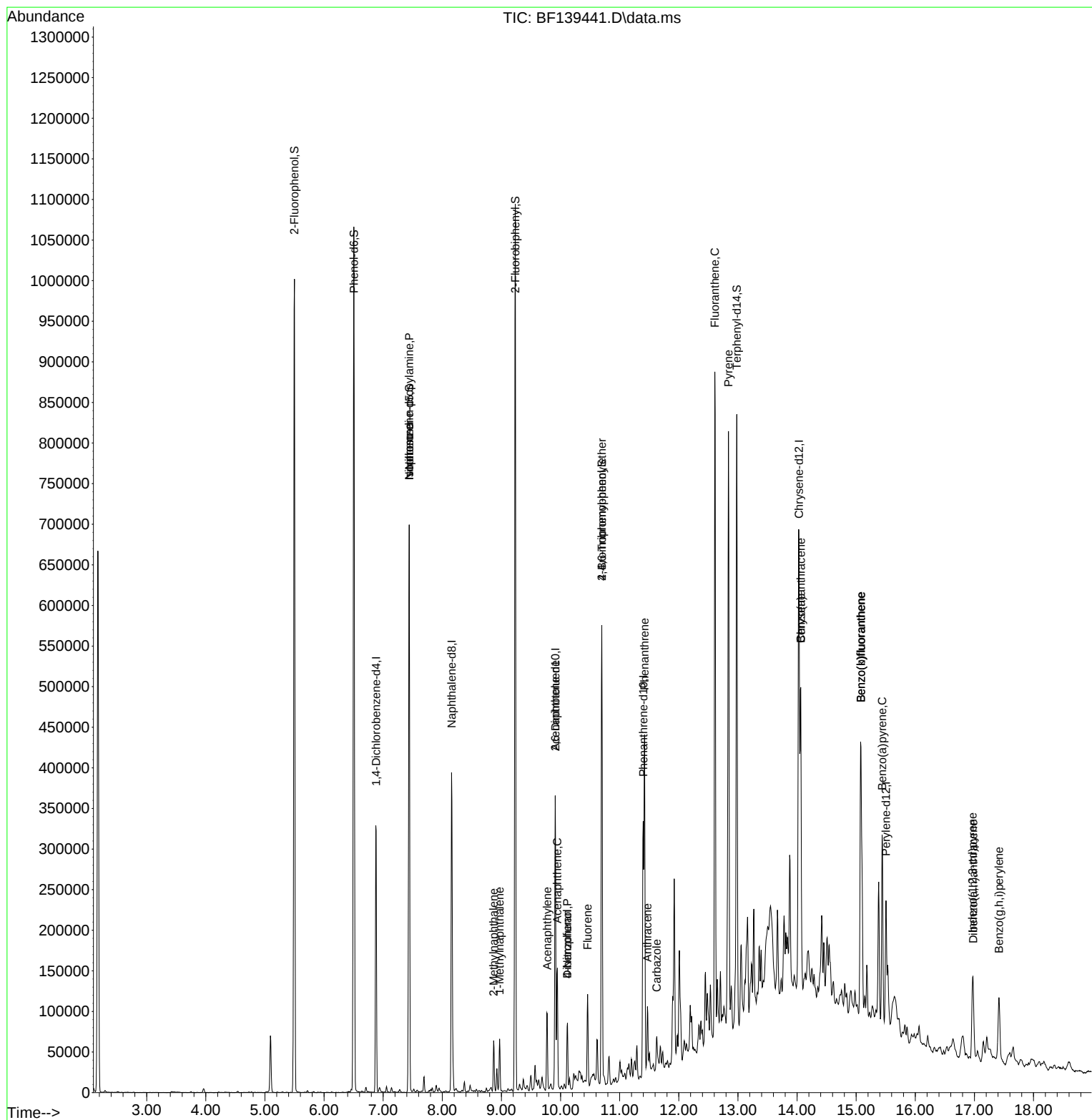
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	63860	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	224403	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	99483	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	158292	20.000	ng	0.00
76) Chrysene-d12	14.033	240	106928	20.000	ng	0.00
86) Perylene-d12	15.504	264	84888	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	327141	83.570	ng	0.00
7) Phenol-d6	6.504	99	441219	85.872	ng	0.00
23) Nitrobenzene-d5	7.440	82	281351	58.942	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	76826	72.538	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	449298	63.342	ng	0.00
79) Terphenyl-d14	12.980	244	339777	52.157	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	39551	12.990	ng	# 76
25) Isophorone	7.440	82	281346	37.269	ng	# 66
37) 2-Methylnaphthalene	8.869	142	21008	2.825	ng	98
38) 1-Methylnaphthalene	8.969	142	22131	3.031	ng	97
49) Acenaphthylene	9.775	152	52710	6.119	ng	99
51) 2,6-Dinitrotoluene	9.910	165	13905	9.613	ng	# 16
52) Acenaphthene	9.945	154	42801	7.119	ng	95
55) Dibenzofuran	10.116	168	37840	4.516	ng	98
56) 4-Nitrophenol	10.116	139	16006	13.381	ng	# 1
58) Fluorene	10.457	166	42315	6.189	ng	98
67) 4-Bromophenyl-phenylether	10.698	248	5250	3.347	ng	# 1
71) Phenanthrene	11.422	178	212070	27.769	ng	100
72) Anthracene	11.469	178	47694	6.387	ng	99
73) Carbazole	11.628	167	22013	3.080	ng	98
75) Fluoranthene	12.610	202	456245	55.943	ng	98
78) Pyrene	12.839	202	418205	45.550	ng	99
81) Benzo(a)anthracene	14.063	228	187798	26.514	ng	94
83) Chrysene	14.063	228	187798	28.820	ng	97
87) Indeno(1,2,3-cd)pyrene	16.968	276	73311	14.524	ng	98
88) Benzo(b)fluoranthene	15.080	252	290455	55.480	ng	98
89) Benzo(k)fluoranthene	15.080	252	290455	60.171	ng	97
90) Benzo(a)pyrene	15.439	252	136807	31.508	ng	98
91) Dibenzo(a,h)anthracene	16.980	278	18695	4.482	ng	# 79
92) Benzo(g,h,i)perylene	17.415	276	66473	16.096	ng	98

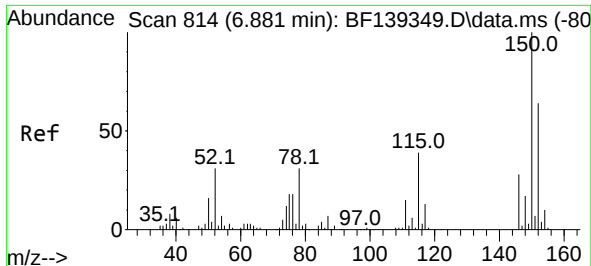
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091824\
Data File : BF139441.D
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ALS Vial : 15 Sample Multiplier: 1

Instrument :
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NB-614-COMP-06

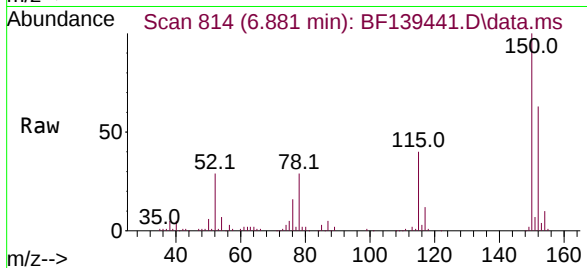
Quant Time: Sep 19 01:31:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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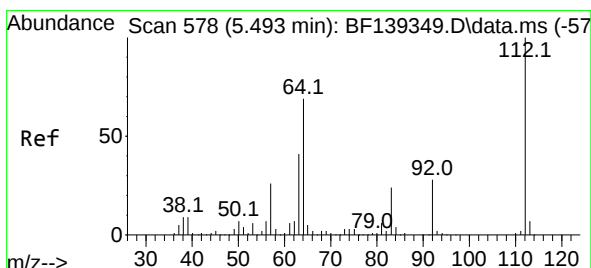
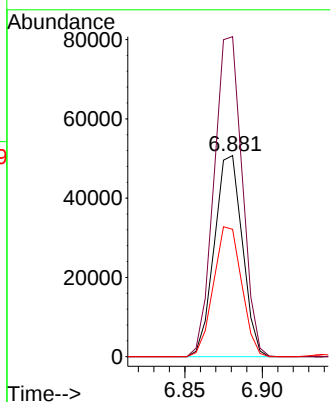
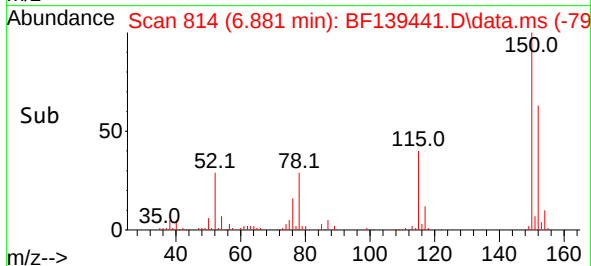


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF139441.D
Acq: 18 Sep 2024 22:38

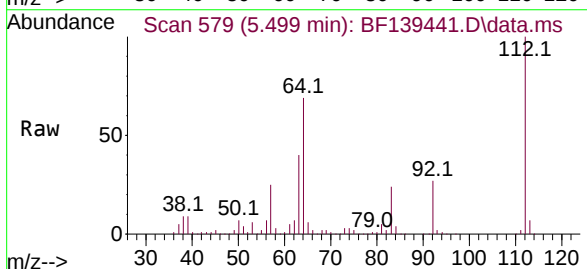
Instrument :
BNA_F
ClientSampleId :
NB-614-COMP-06



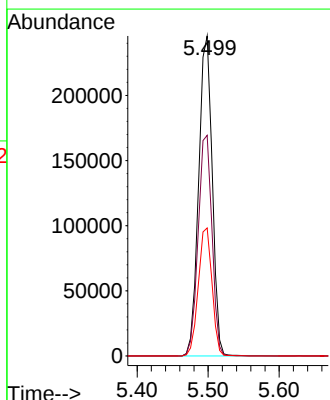
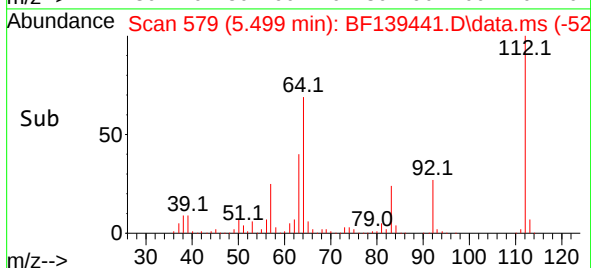
Tgt Ion:152 Resp: 63860
Ion Ratio Lower Upper
152 100
150 159.1 124.1 186.1
115 63.3 48.1 72.1

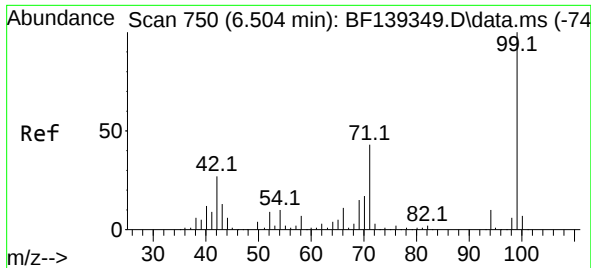


#5
2-Fluorophenol
Concen: 83.570 ng
RT: 5.499 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF139441.D
Acq: 18 Sep 2024 22:38



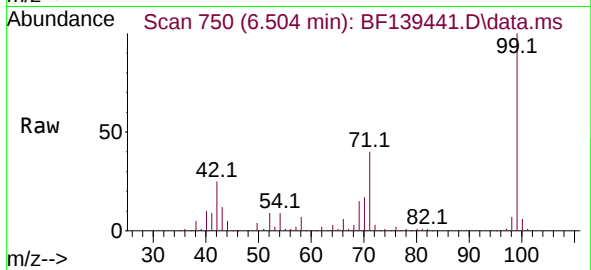
Tgt Ion:112 Resp: 327141
Ion Ratio Lower Upper
112 100
64 69.0 54.8 82.2
63 40.0 33.0 49.4



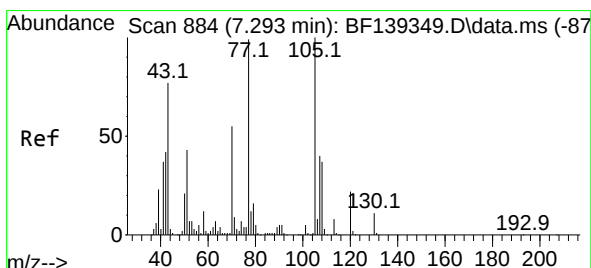
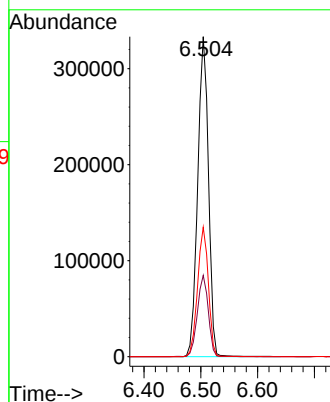
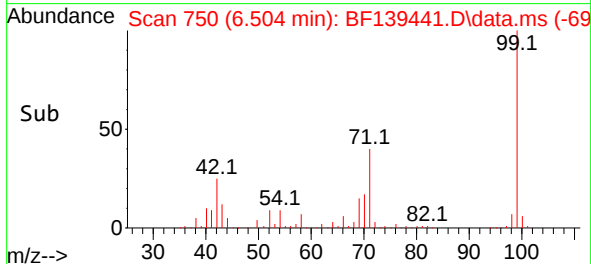


#7
Phenol-d6
Concen: 85.872 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139441.D
Acq: 18 Sep 2024 22:38

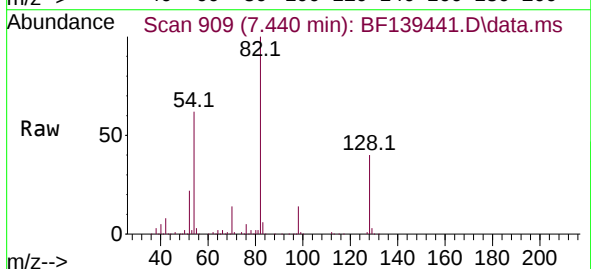
Instrument :
BNA_F
ClientSampleId :
NB-614-COMP-06



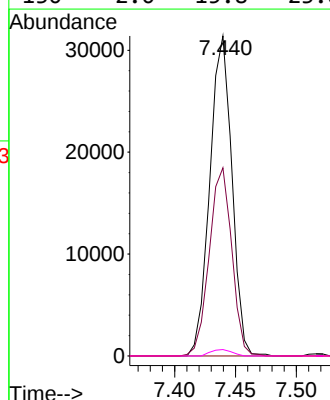
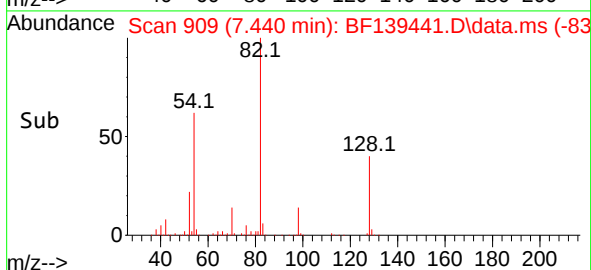
Tgt Ion: 99 Resp: 441219
Ion Ratio Lower Upper
99 100
42 25.4 21.9 32.9
71 40.4 34.6 52.0

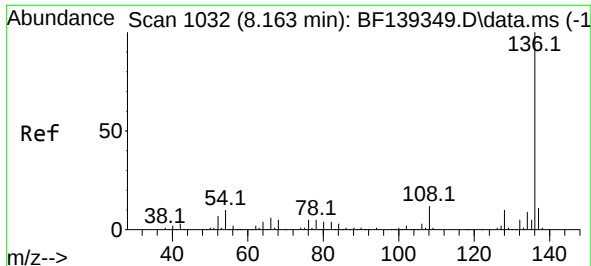


#19
n-Nitroso-di-n-propylamine
Concen: 12.990 ng
RT: 7.440 min Scan# 909
Delta R.T. 0.147 min
Lab File: BF139441.D
Acq: 18 Sep 2024 22:38



Tgt Ion: 70 Resp: 39551
Ion Ratio Lower Upper
70 100
42 58.8 61.2 91.8#
101 0.0 7.5 11.3#
130 2.0 15.8 23.8#

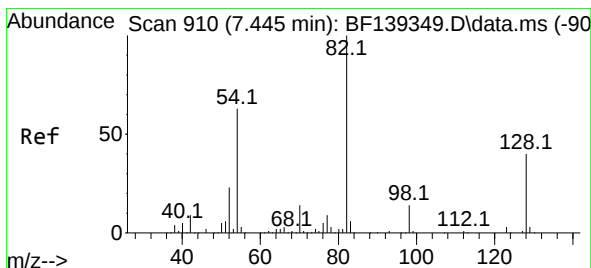
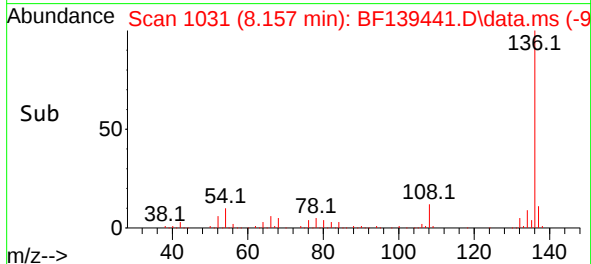
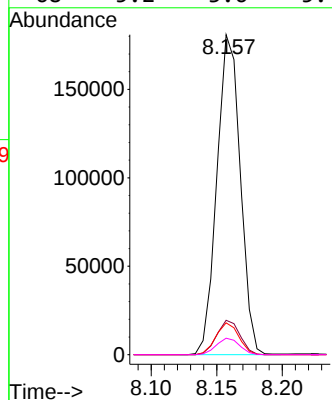
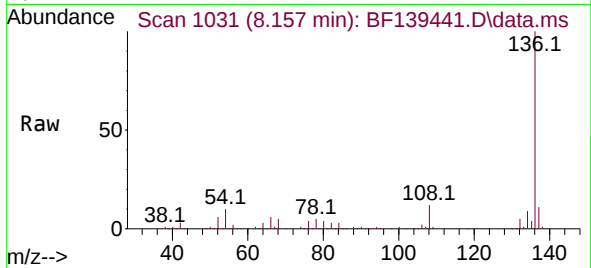




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1032
Delta R.T. -0.006 min
Lab File: BF139441.D
Acq: 18 Sep 2024 22:38

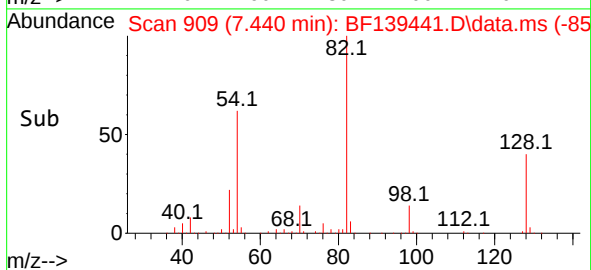
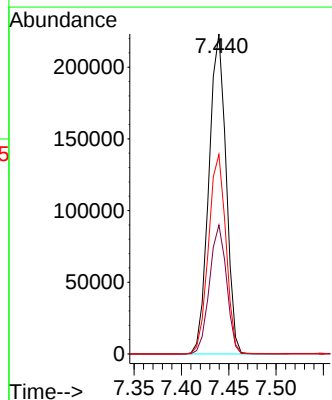
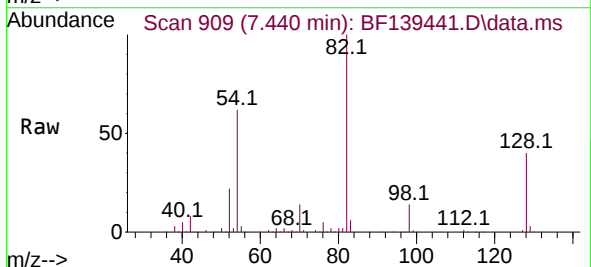
Instrument :
BNA_F
ClientSampleId :
NB-614-COMP-06

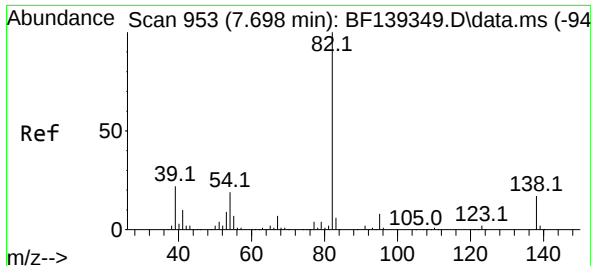
Tgt Ion:136	Resp: 224403
Ion Ratio	Lower Upper
136 100	
137 10.8	8.6 12.8
54 10.0	7.8 11.8
68 5.2	3.6 5.4



#23
Nitrobenzene-d5
Concen: 58.942 ng
RT: 7.440 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF139441.D
Acq: 18 Sep 2024 22:38

Tgt Ion: 82	Resp: 281351
Ion Ratio	Lower Upper
82 100	
128 40.3	31.8 47.6
54 62.3	50.6 75.8

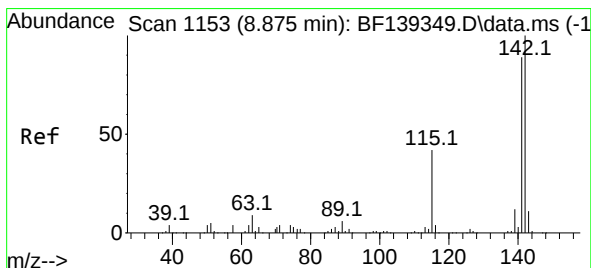
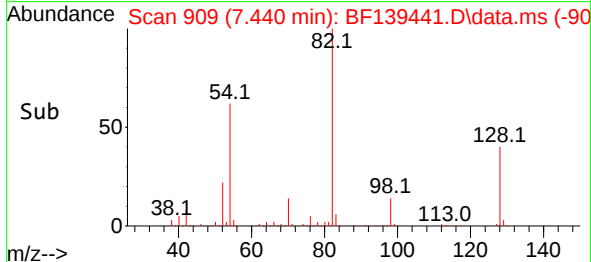
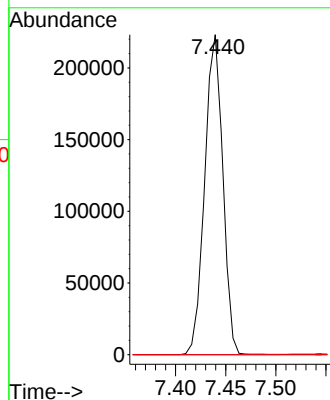
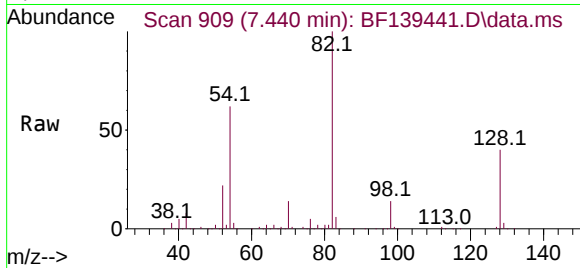




#25
Isophorone
Concen: 37.269 ng
RT: 7.440 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF139441.D
Acq: 18 Sep 2024 22:38

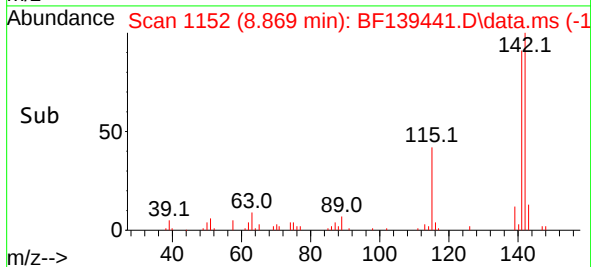
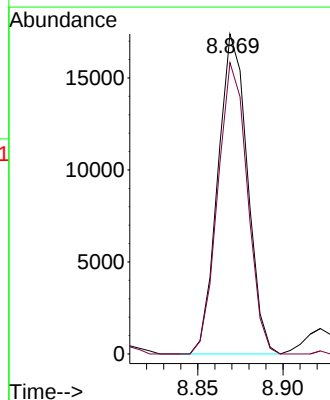
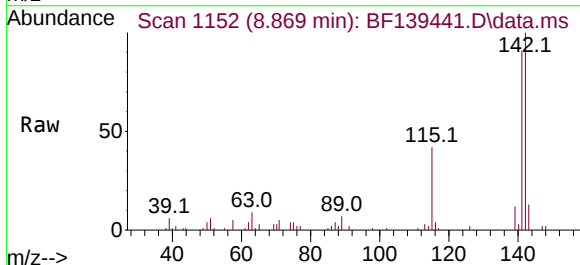
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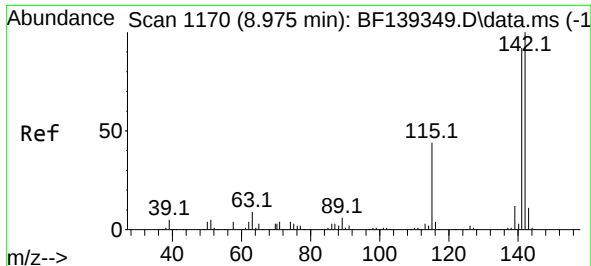
Tgt Ion: 82 Resp: 281346
Ion Ratio Lower Upper
82 100
95 0.0 6.7 10.1#
138 0.0 13.3 19.9#



#37
2-Methylnaphthalene
Concen: 2.825 ng
RT: 8.869 min Scan# 1152
Delta R.T. -0.006 min
Lab File: BF139441.D
Acq: 18 Sep 2024 22:38

Tgt Ion: 142 Resp: 21008
Ion Ratio Lower Upper
142 100
141 91.0 71.6 107.4

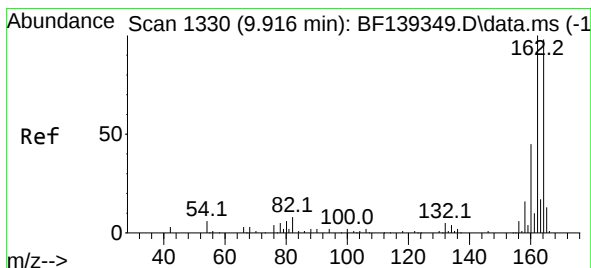
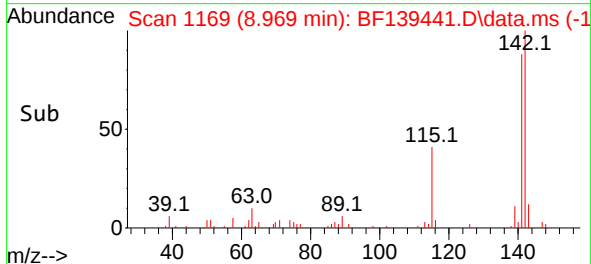
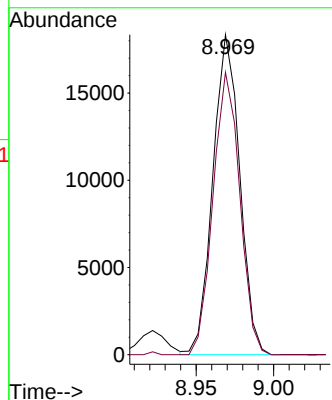
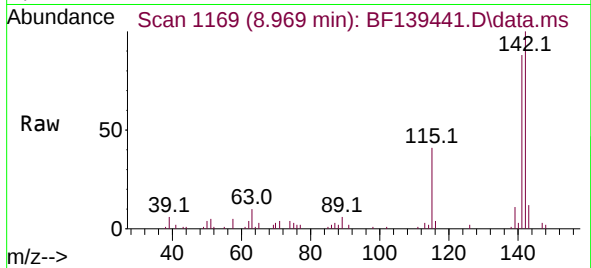




#38
1-Methylnaphthalene
Concen: 3.031 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF139441.D
Acq: 18 Sep 2024 22:38

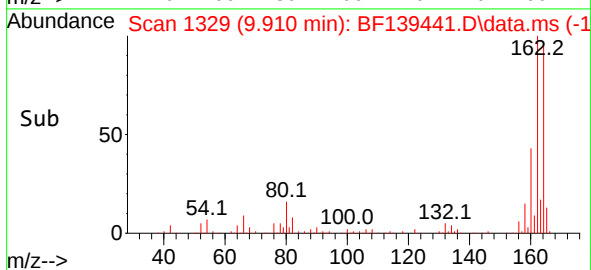
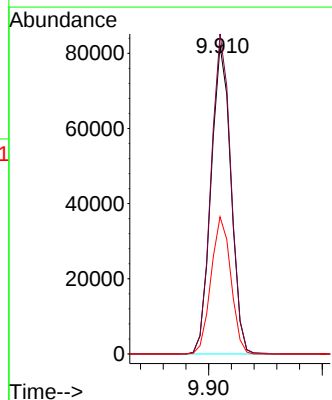
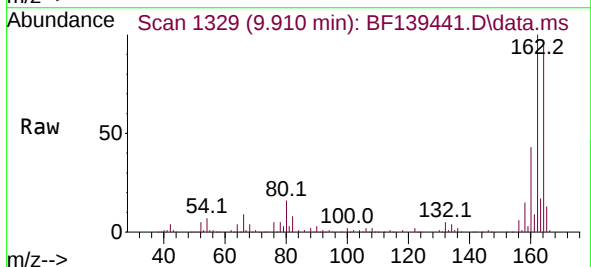
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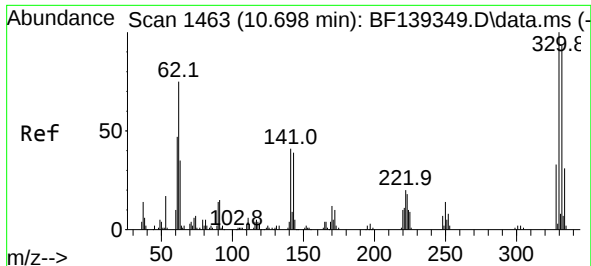
Tgt Ion:142 Resp: 22131
Ion Ratio Lower Upper
142 100
141 88.2 73.2 109.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF139441.D
Acq: 18 Sep 2024 22:38

Tgt Ion:164 Resp: 99483
Ion Ratio Lower Upper
164 100
162 103.7 81.3 121.9
160 44.4 36.4 54.6





#42

2,4,6-Tribromophenol

Concen: 72.538 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.000 min

Lab File: BF139441.D

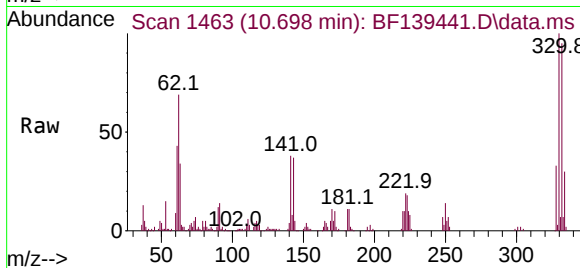
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Instrument :

BNA_F

ClientSampleId :

NB-614-COMP-06



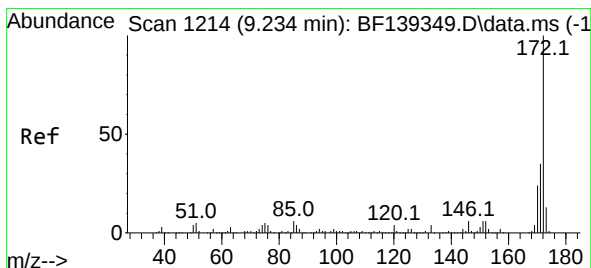
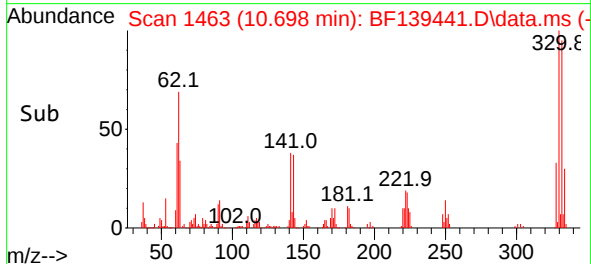
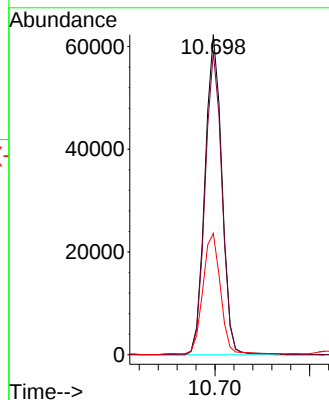
Tgt Ion:330 Resp: 76826

Ion Ratio Lower Upper

330 100

332 94.6 75.2 112.8

141 40.5 31.2 46.8



#45

2-Fluorobiphenyl

Concen: 63.342 ng

RT: 9.234 min Scan# 1214

Delta R.T. -0.000 min

Lab File: BF139441.D

Acq: 18 Sep 2024 22:38

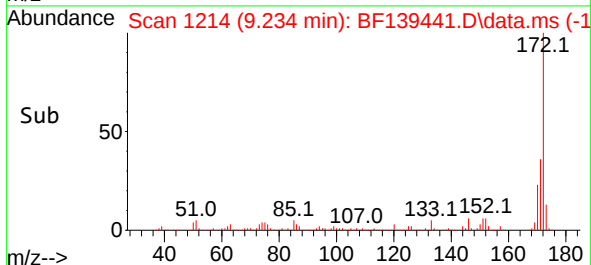
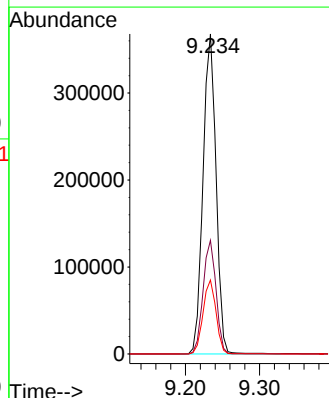
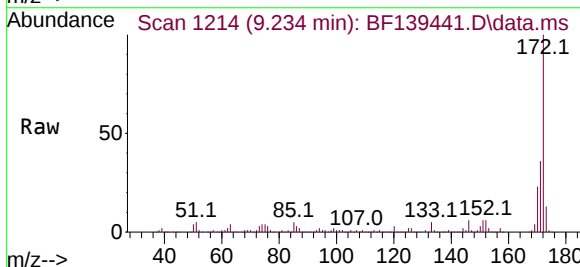
Tgt Ion:172 Resp: 449298

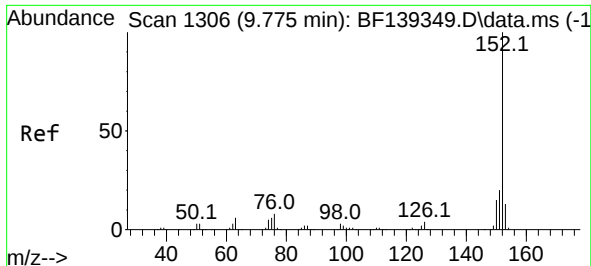
Ion Ratio Lower Upper

172 100

171 35.5 28.3 42.5

170 23.1 19.0 28.6





#49

Acenaphthylene

Concen: 6.119 ng

RT: 9.775 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF139441.D

Acq: 18 Sep 2024 22:38

Instrument :

BNA_F

ClientSampleId :

NB-614-COMP-06

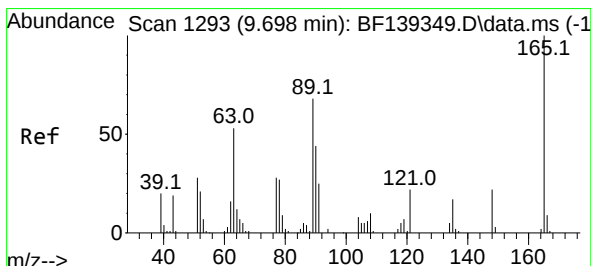
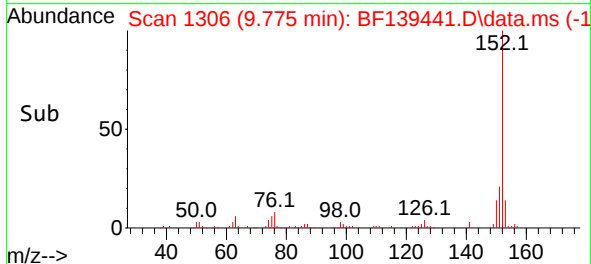
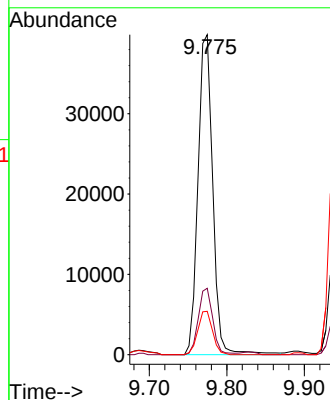
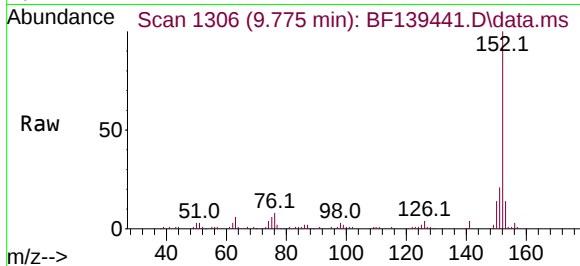
Tgt Ion:152 Resp: 52710

Ion Ratio Lower Upper

152 100

151 20.8 16.2 24.2

153 13.5 10.3 15.5



#51

2,6-Dinitrotoluene

Concen: 9.613 ng

RT: 9.910 min Scan# 1329

Delta R.T. 0.212 min

Lab File: BF139441.D

Acq: 18 Sep 2024 22:38

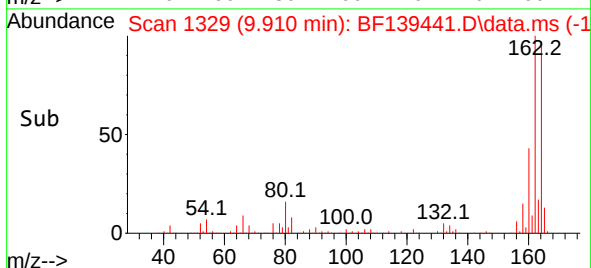
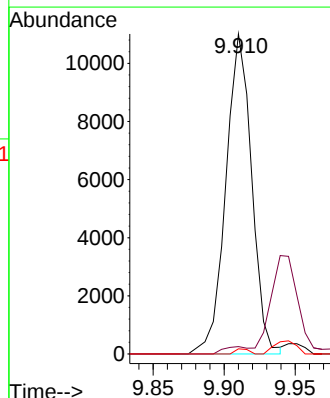
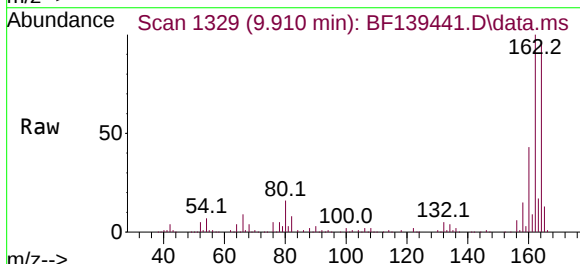
Tgt Ion:165 Resp: 13905

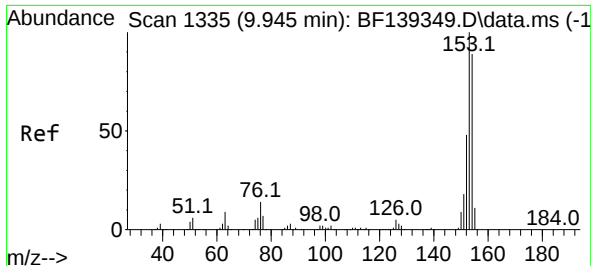
Ion Ratio Lower Upper

165 100

63 2.3 60.9 91.3#

89 1.6 54.7 82.1#

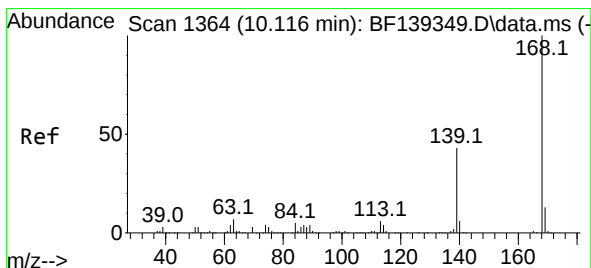
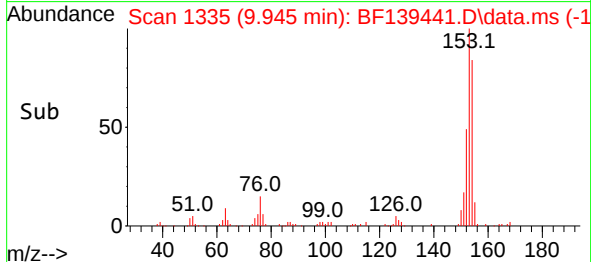
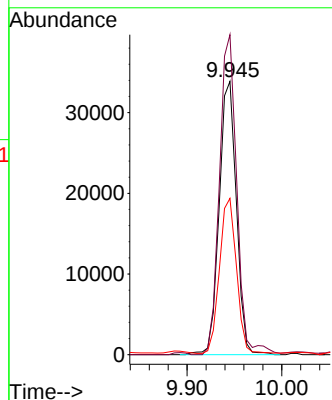
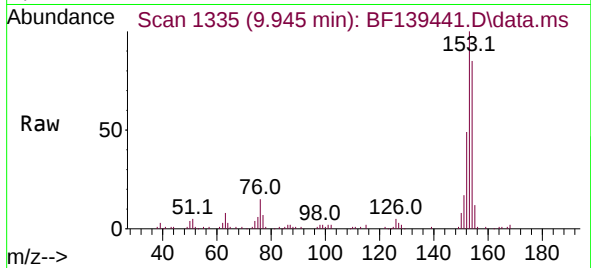




#52
Acenaphthene
Concen: 7.119 ng
RT: 9.945 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139441.D
Acq: 18 Sep 2024 22:38

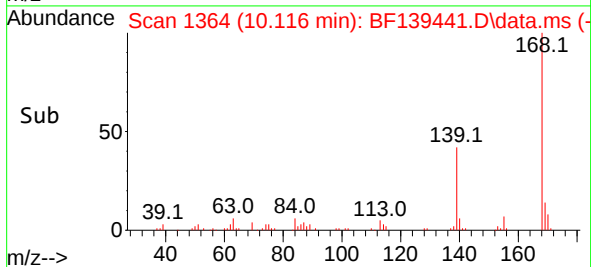
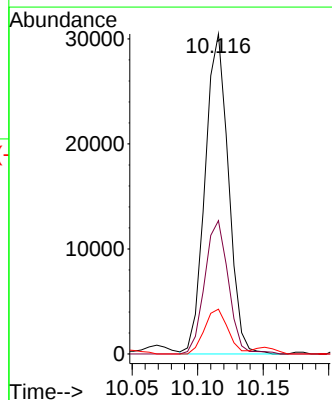
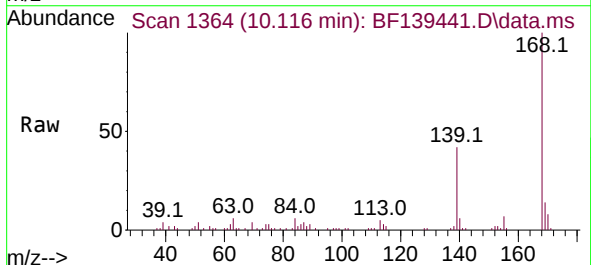
Instrument :
BNA_F
ClientSampleId :
NB-614-COMP-06

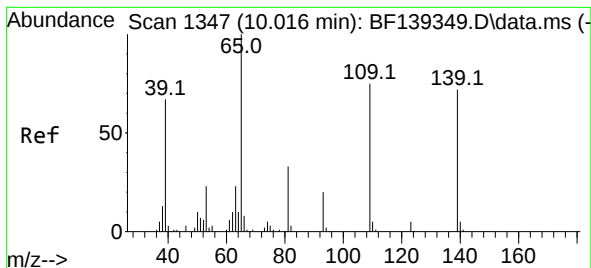
Tgt Ion:154 Resp: 42801
Ion Ratio Lower Upper
154 100
153 117.1 89.5 134.3
152 57.2 42.6 64.0



#55
Dibenzofuran
Concen: 4.516 ng
RT: 10.116 min Scan# 1364
Delta R.T. -0.000 min
Lab File: BF139441.D
Acq: 18 Sep 2024 22:38

Tgt Ion:168 Resp: 37840
Ion Ratio Lower Upper
168 100
139 41.7 34.1 51.1
169 14.0 10.5 15.7





#56

4-Nitrophenol

Concen: 13.381 ng

RT: 10.116 min Scan# 1364

Delta R.T. 0.100 min

Lab File: BF139441.D

Acq: 18 Sep 2024 22:38

Instrument :

BNA_F

ClientSampleId :

NB-614-COMP-06

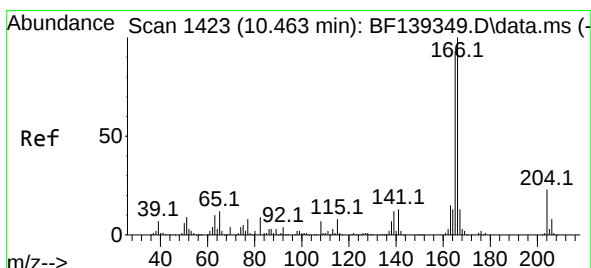
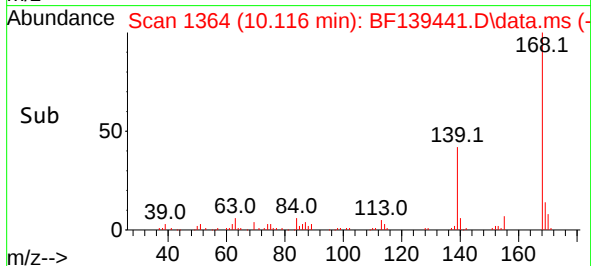
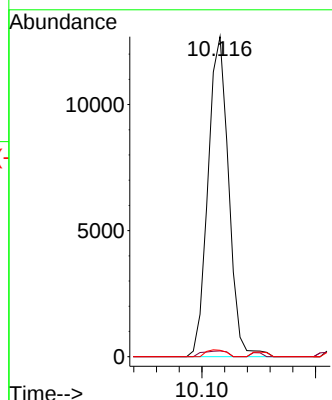
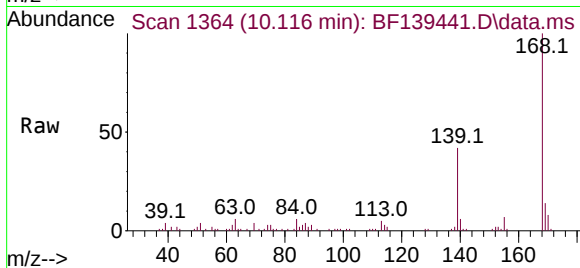
Tgt Ion:139 Resp: 16006

Ion Ratio Lower Upper

139 100

109 1.8 84.1 124.1#

65 2.0 120.0 160.0#



#58

Fluorene

Concen: 6.189 ng

RT: 10.457 min Scan# 1422

Delta R.T. -0.006 min

Lab File: BF139441.D

Acq: 18 Sep 2024 22:38

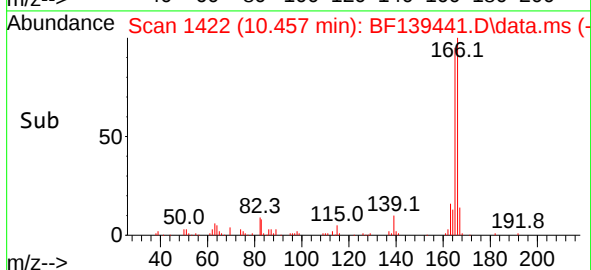
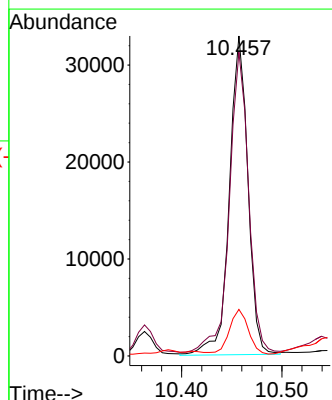
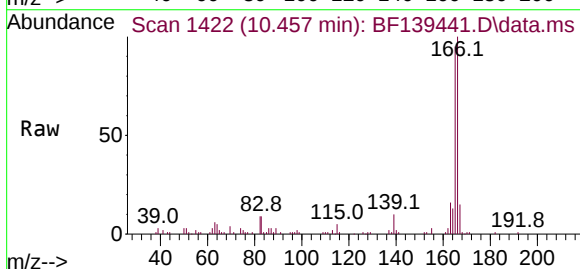
Tgt Ion:166 Resp: 42315

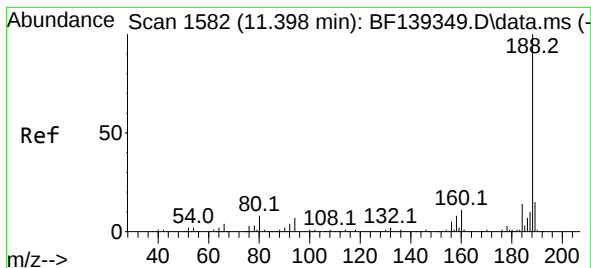
Ion Ratio Lower Upper

166 100

165 95.0 74.5 111.7

167 14.5 10.6 16.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139441.D

Acq: 18 Sep 2024 22:38

Instrument :

BNA_F

ClientSampleId :

NB-614-COMP-06

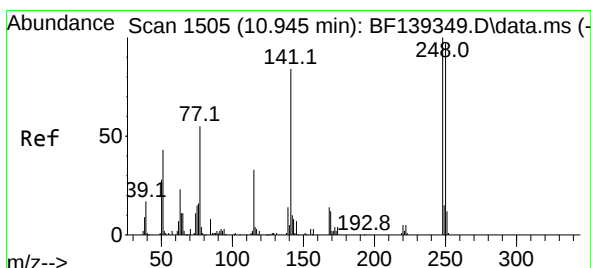
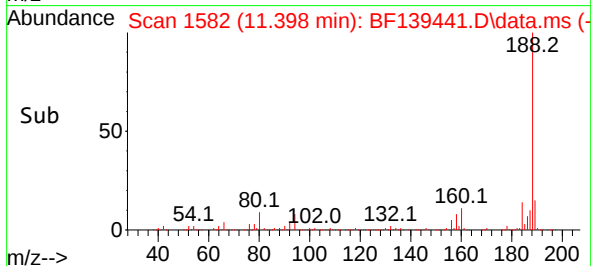
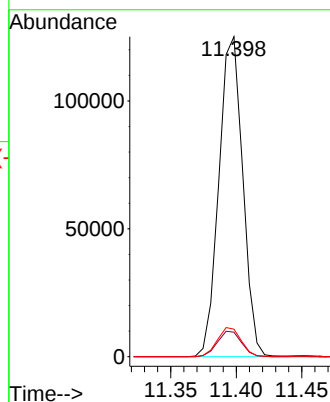
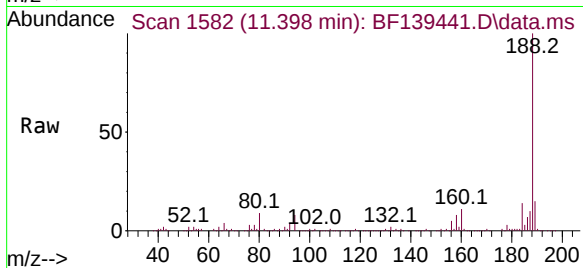
Tgt Ion:188 Resp: 158292

Ion Ratio Lower Upper

188 100

94 7.6 5.5 8.3

80 8.6 6.6 9.8



#67

4-Bromophenyl-phenylether

Concen: 3.347 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.247 min

Lab File: BF139441.D

Acq: 18 Sep 2024 22:38

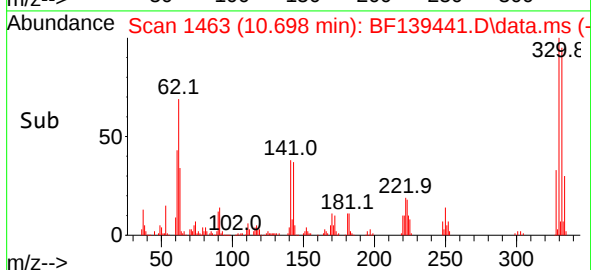
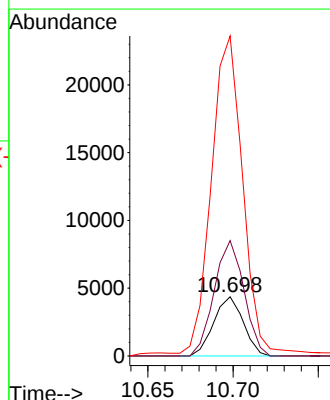
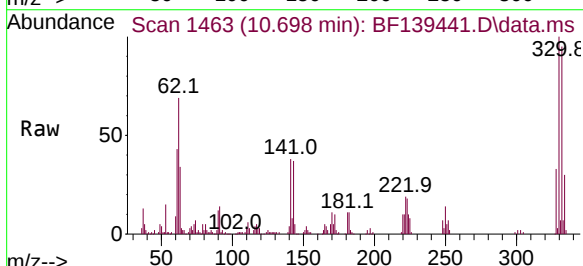
Tgt Ion:248 Resp: 5250

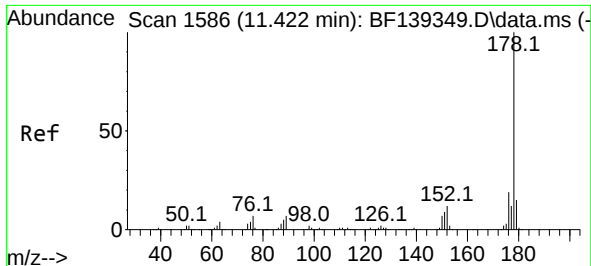
Ion Ratio Lower Upper

248 100

250 195.0 77.6 116.4#

141 540.8 66.9 100.3#

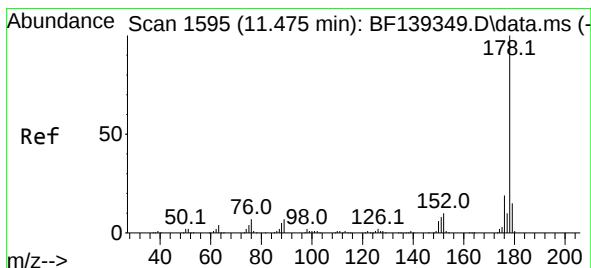
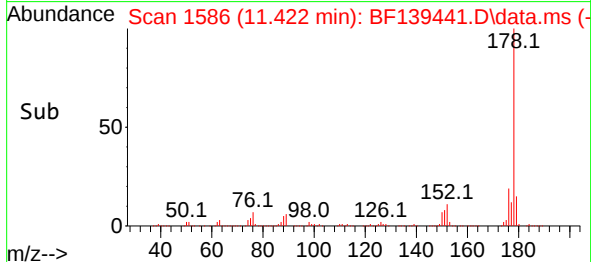
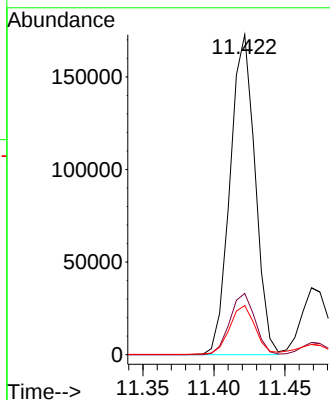
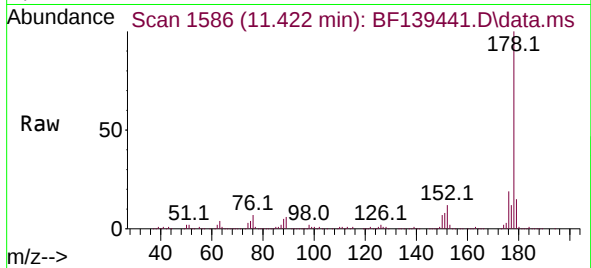




#71
Phenanthrene
Concen: 27.769 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF139441.D
Acq: 18 Sep 2024 22:38

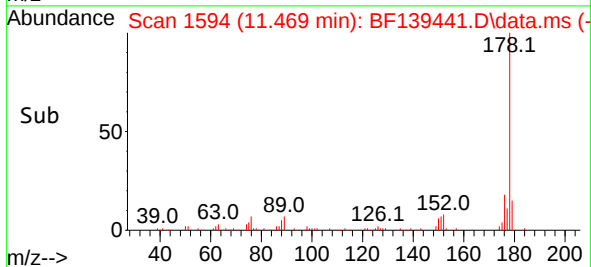
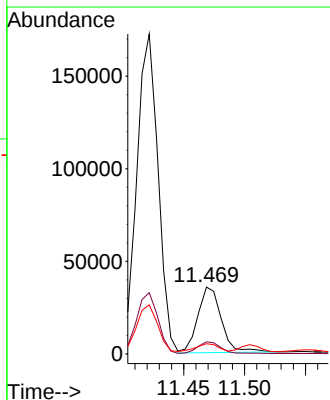
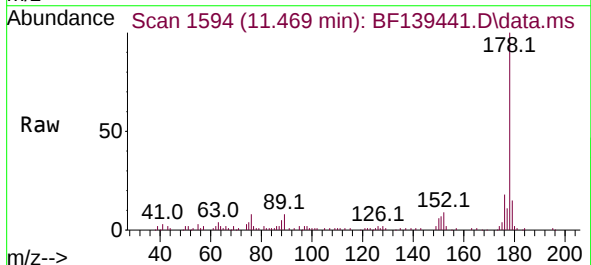
Instrument :
BNA_F
ClientSampleId :
NB-614-COMP-06

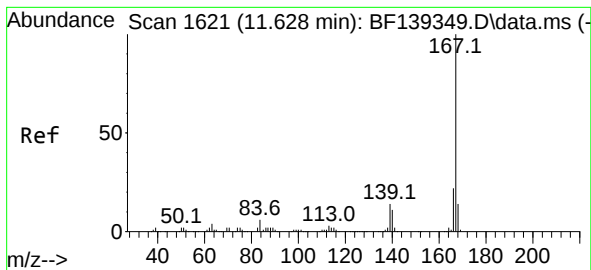
Tgt Ion:178 Resp: 212070
Ion Ratio Lower Upper
178 100
176 19.2 15.2 22.8
179 15.3 12.2 18.4



#72
Anthracene
Concen: 6.387 ng
RT: 11.469 min Scan# 1594
Delta R.T. -0.006 min
Lab File: BF139441.D
Acq: 18 Sep 2024 22:38

Tgt Ion:178 Resp: 47694
Ion Ratio Lower Upper
178 100
176 18.3 15.0 22.6
179 15.3 12.0 18.0





#73

Carbazole

Concen: 3.080 ng

RT: 11.628 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139441.D

Acq: 18 Sep 2024 22:38

Instrument :

BNA_F

ClientSampleId :

NB-614-COMP-06

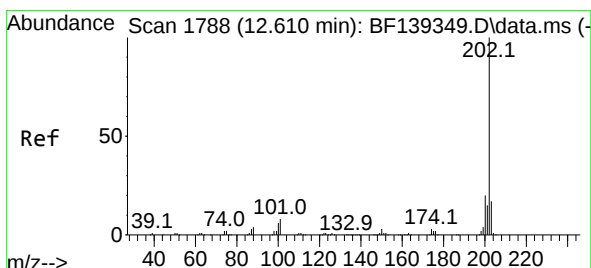
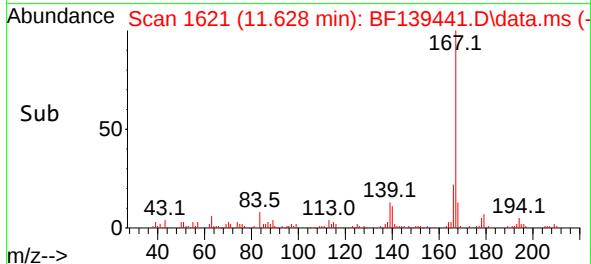
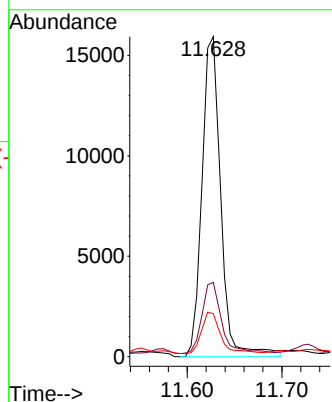
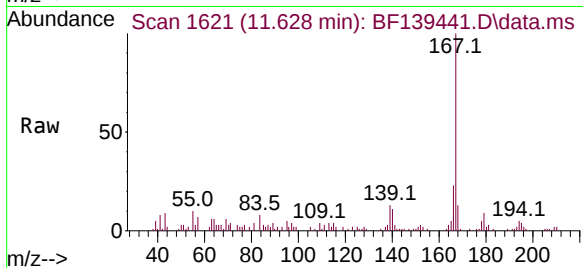
Tgt Ion:167 Resp: 22013

Ion Ratio Lower Upper

167 100

166 23.2 17.5 26.3

139 13.5 10.9 16.3



#75

Fluoranthene

Concen: 55.943 ng

RT: 12.610 min Scan# 1788

Delta R.T. -0.000 min

Lab File: BF139441.D

Acq: 18 Sep 2024 22:38

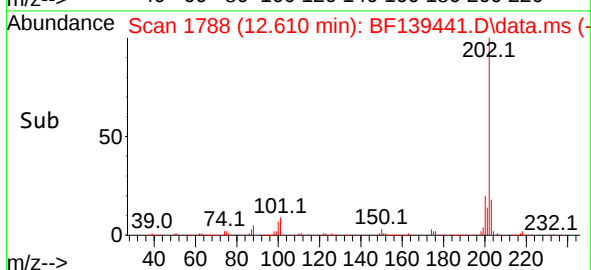
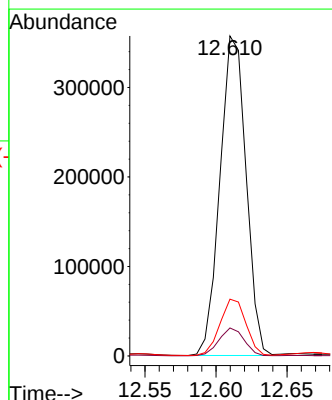
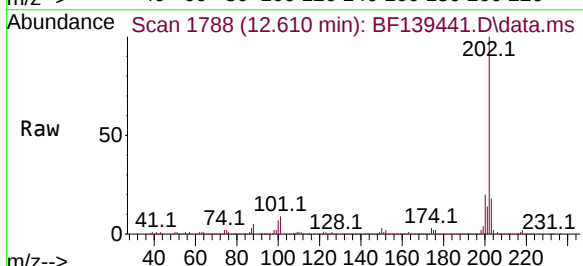
Tgt Ion:202 Resp: 456245

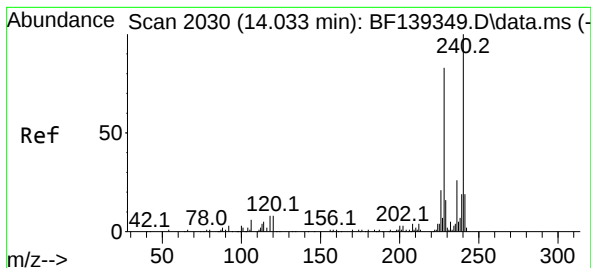
Ion Ratio Lower Upper

202 100

101 8.7 0.0 27.7

203 17.8 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: BF139441.D

Acq: 18 Sep 2024 22:38

Instrument :

BNA_F

ClientSampleId :

NB-614-COMP-06

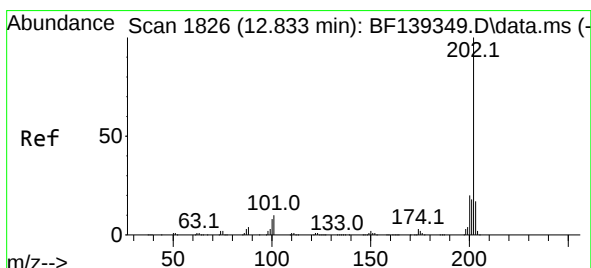
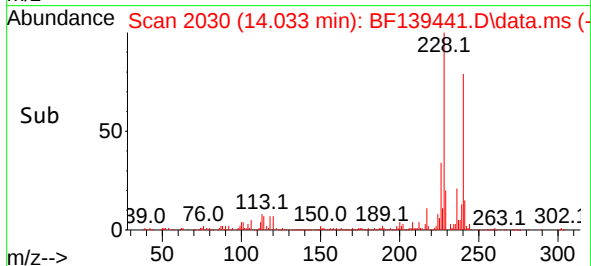
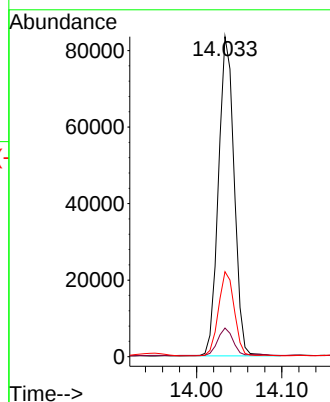
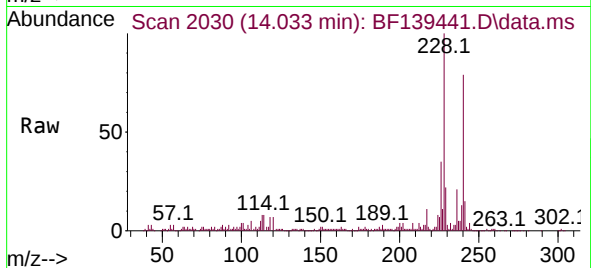
Tgt Ion:240 Resp: 106928

Ion Ratio Lower Upper

240 100

120 9.0 6.2 9.2

236 26.5 20.9 31.3



#78

Pyrene

Concen: 45.550 ng

RT: 12.839 min Scan# 1827

Delta R.T. 0.006 min

Lab File: BF139441.D

Acq: 18 Sep 2024 22:38

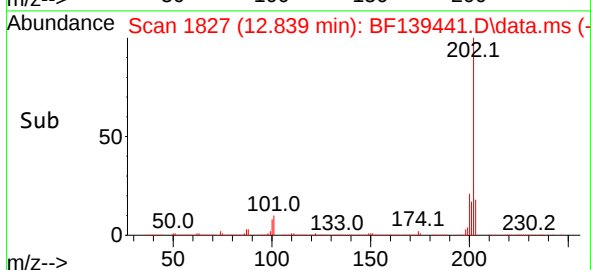
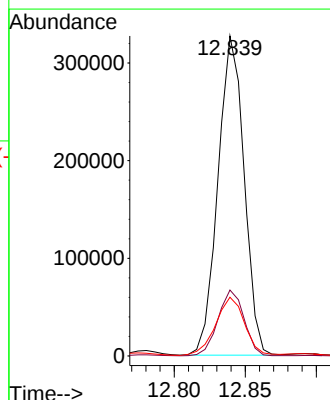
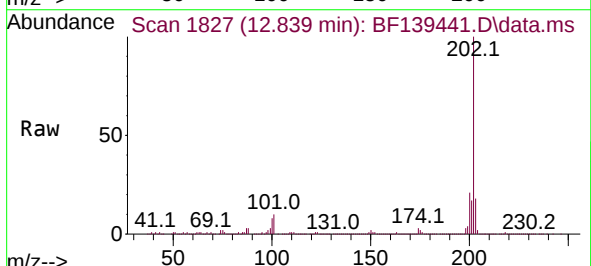
Tgt Ion:202 Resp: 418205

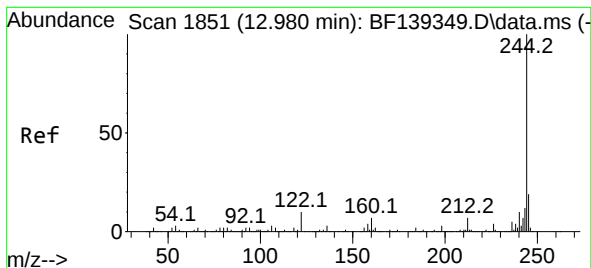
Ion Ratio Lower Upper

202 100

200 20.6 16.2 24.2

203 18.3 13.9 20.9





#79

Terphenyl-d14

Concen: 52.157 ng

RT: 12.980 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139441.D

Acq: 18 Sep 2024 22:38

Instrument :

BNA_F

ClientSampleId :

NB-614-COMP-06

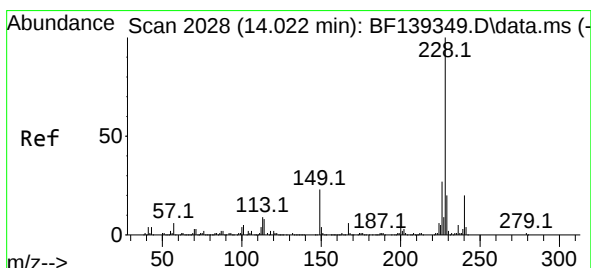
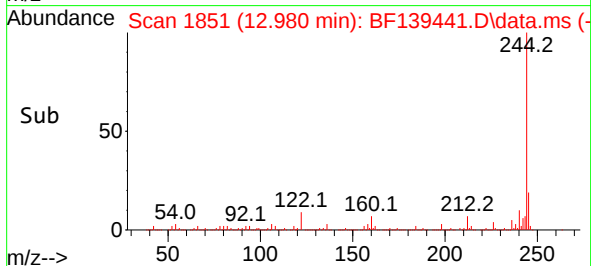
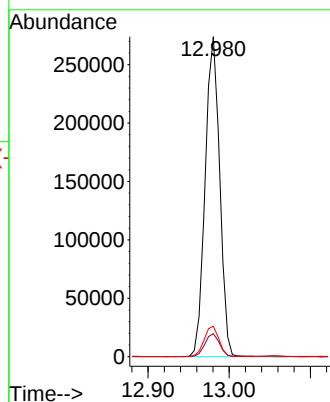
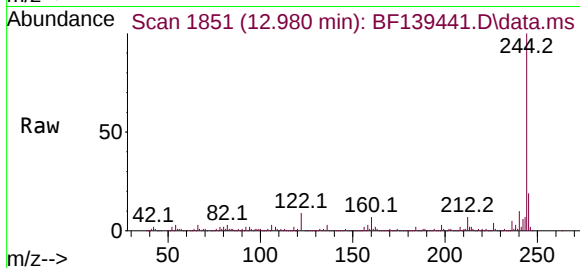
Tgt Ion:244 Resp: 339777

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

122 9.5 7.6 11.4



#81

Benzo(a)anthracene

Concen: 26.514 ng

RT: 14.063 min Scan# 2035

Delta R.T. 0.041 min

Lab File: BF139441.D

Acq: 18 Sep 2024 22:38

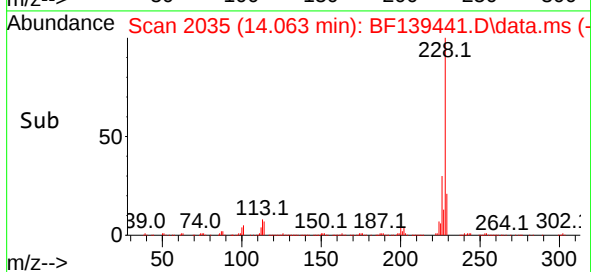
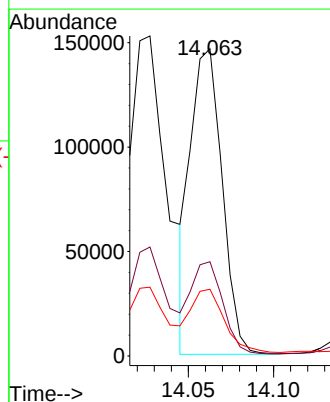
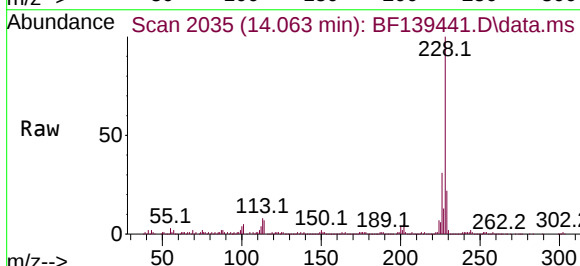
Tgt Ion:228 Resp: 187798

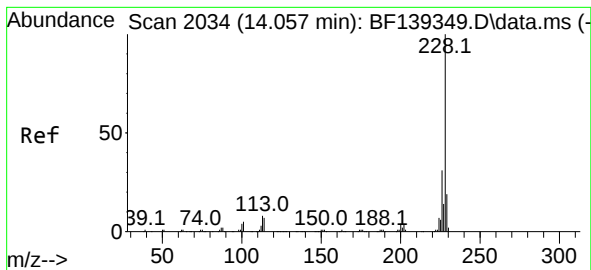
Ion Ratio Lower Upper

228 100

226 30.7 21.6 32.4

229 21.7 15.7 23.5





#83

Chrysene

Concen: 28.820 ng

RT: 14.063 min Scan# 2035

Delta R.T. 0.006 min

Lab File: BF139441.D

Acq: 18 Sep 2024 22:38

Instrument :

BNA_F

ClientSampleId :

NB-614-COMP-06

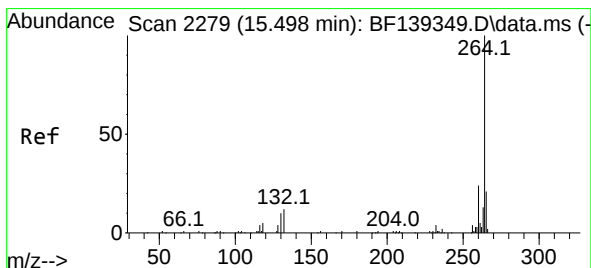
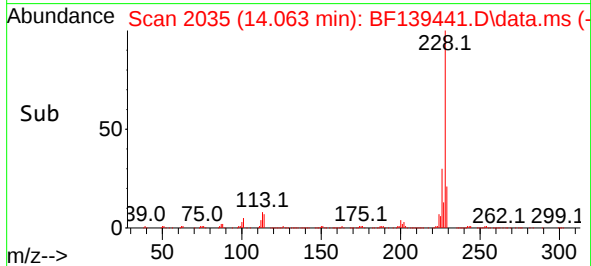
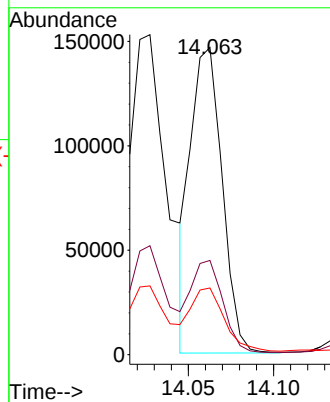
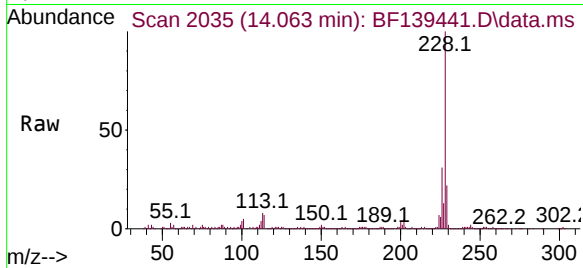
Tgt Ion:228 Resp: 187798

Ion Ratio Lower Upper

228 100

226 30.7 24.1 36.1

229 21.7 15.4 23.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 2280

Delta R.T. 0.006 min

Lab File: BF139441.D

Acq: 18 Sep 2024 22:38

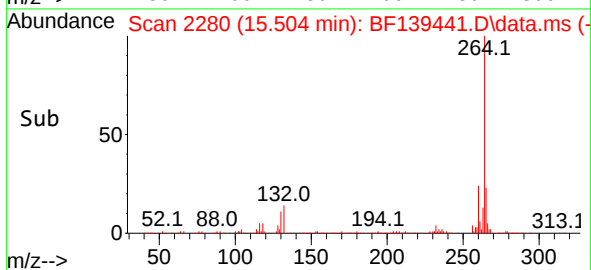
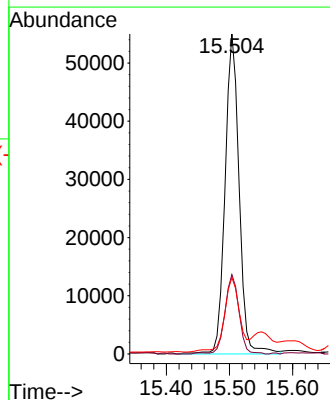
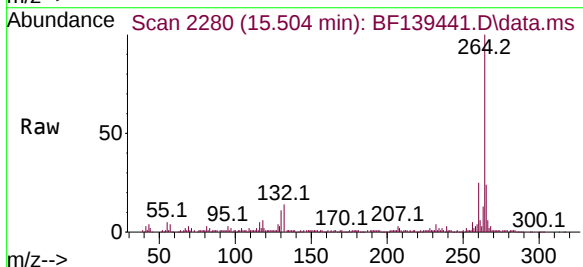
Tgt Ion:264 Resp: 84888

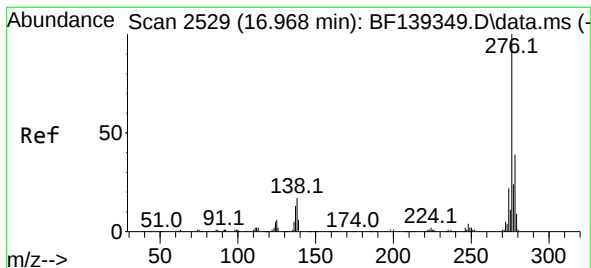
Ion Ratio Lower Upper

264 100

260 24.8 19.5 29.3

265 23.9 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 14.524 ng

RT: 16.968 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139441.D

Acq: 18 Sep 2024 22:38

Instrument :

BNA_F

ClientSampleId :

NB-614-COMP-06

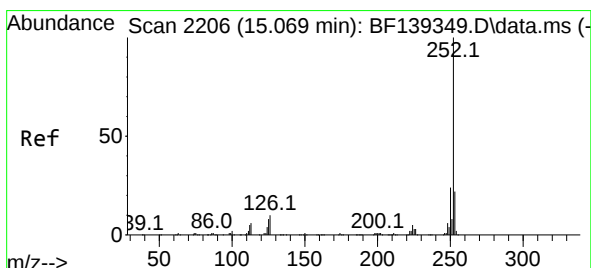
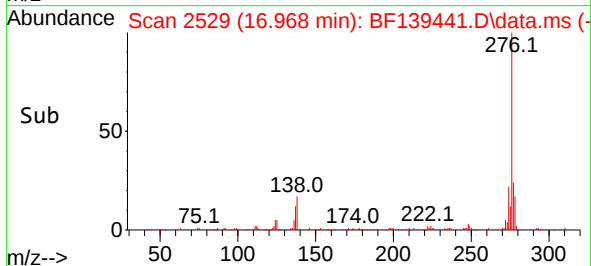
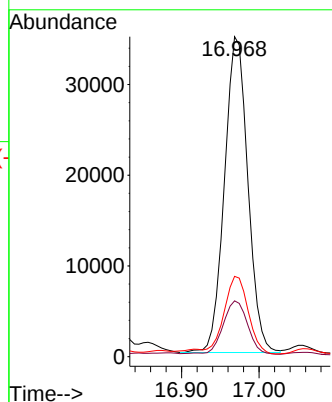
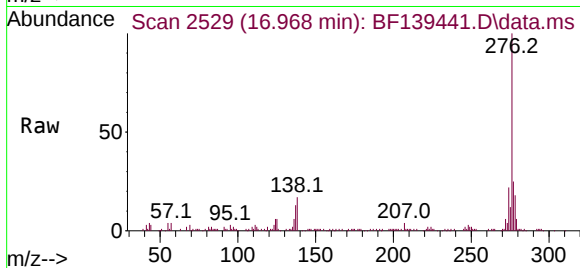
Tgt Ion:276 Resp: 73311

Ion Ratio Lower Upper

276 100

138 17.6 15.4 23.2

277 25.3 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 55.480 ng

RT: 15.080 min Scan# 2208

Delta R.T. 0.012 min

Lab File: BF139441.D

Acq: 18 Sep 2024 22:38

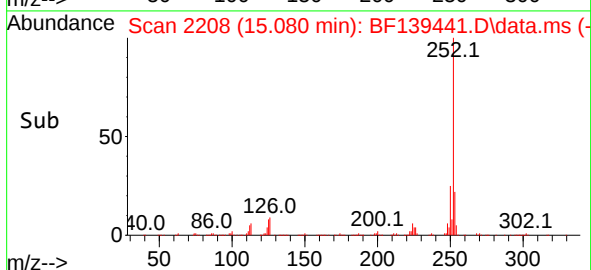
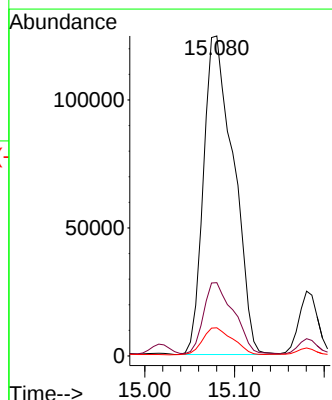
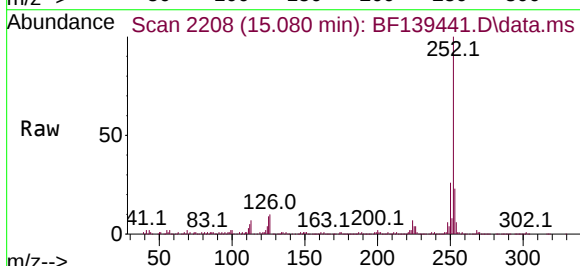
Tgt Ion:252 Resp: 290455

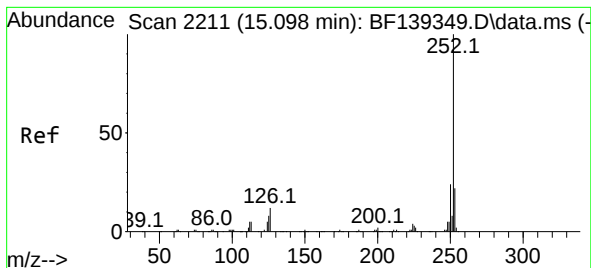
Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

125 8.8 6.2 9.2





#89

Benzo(k)fluoranthene

Concen: 60.171 ng

RT: 15.080 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF139441.D

Acq: 18 Sep 2024 22:38

Instrument :

BNA_F

ClientSampleId :

NB-614-COMP-06

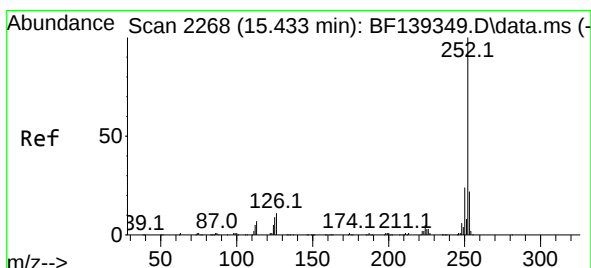
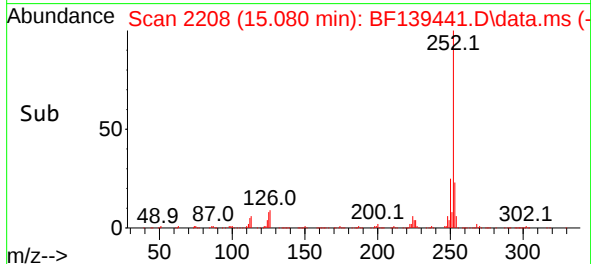
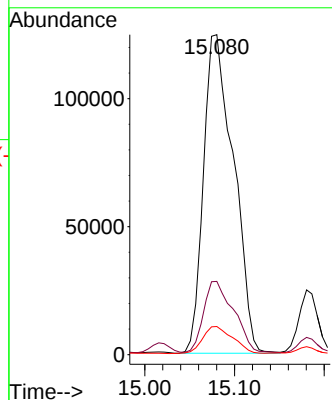
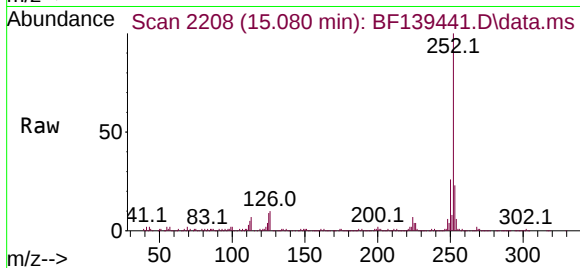
Tgt Ion:252 Resp: 290455

Ion Ratio Lower Upper

252 100

253 22.9 17.3 25.9

125 8.8 5.9 8.9



#90

Benzo(a)pyrene

Concen: 31.508 ng

RT: 15.439 min Scan# 2269

Delta R.T. 0.006 min

Lab File: BF139441.D

Acq: 18 Sep 2024 22:38

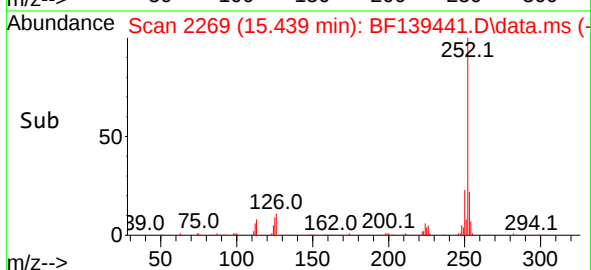
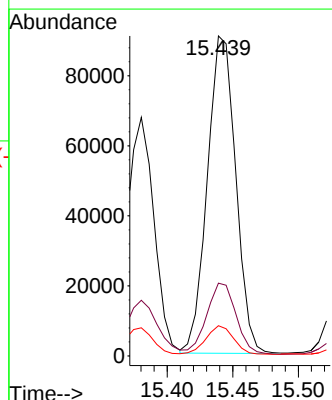
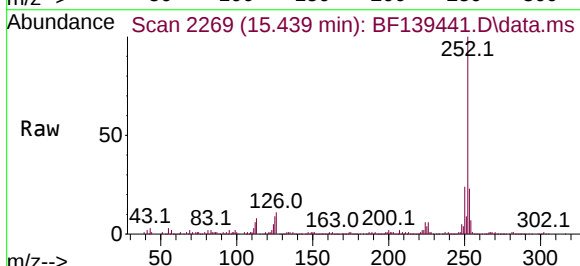
Tgt Ion:252 Resp: 136807

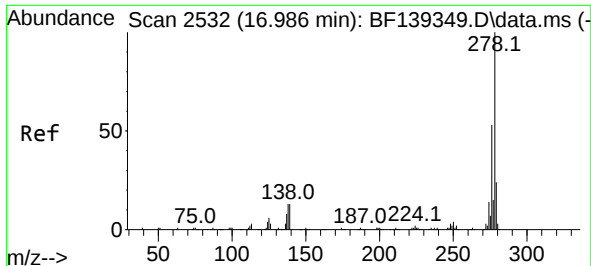
Ion Ratio Lower Upper

252 100

253 22.7 17.3 25.9

125 9.4 6.8 10.2

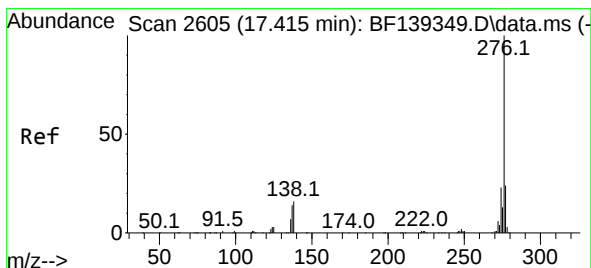
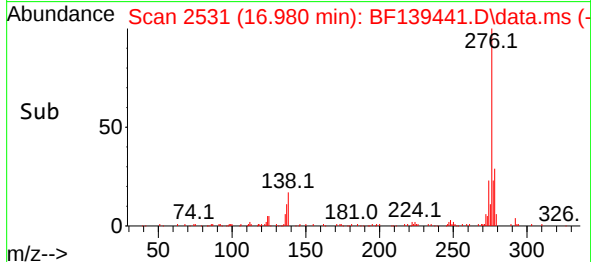
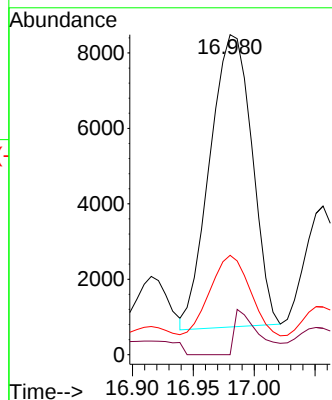
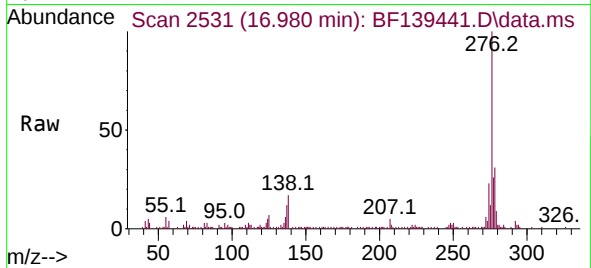




#91
Dibenzo(a,h)anthracene
Concen: 4.482 ng
RT: 16.980 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF139441.D
Acq: 18 Sep 2024 22:38

Instrument :
BNA_F
ClientSampleId :
NB-614-COMP-06

Tgt Ion:278 Resp: 18695
Ion Ratio Lower Upper
278 100
139 0.0 10.2 15.2#
279 31.1 18.9 28.3#



#92
Benzo(g,h,i)perylene
Concen: 16.096 ng
RT: 17.415 min Scan# 2605
Delta R.T. -0.000 min
Lab File: BF139441.D
Acq: 18 Sep 2024 22:38

Tgt Ion:276 Resp: 66473
Ion Ratio Lower Upper
276 100
277 24.4 18.9 28.3
138 17.5 13.0 19.6

