

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091824\
 Data File : BF139443.D
 Acq On : 18 Sep 2024 23:35
 Operator : RC/JU
 Sample : P4088-13
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-614-COMP-09

Quant Time: Sep 19 01:31:44 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)

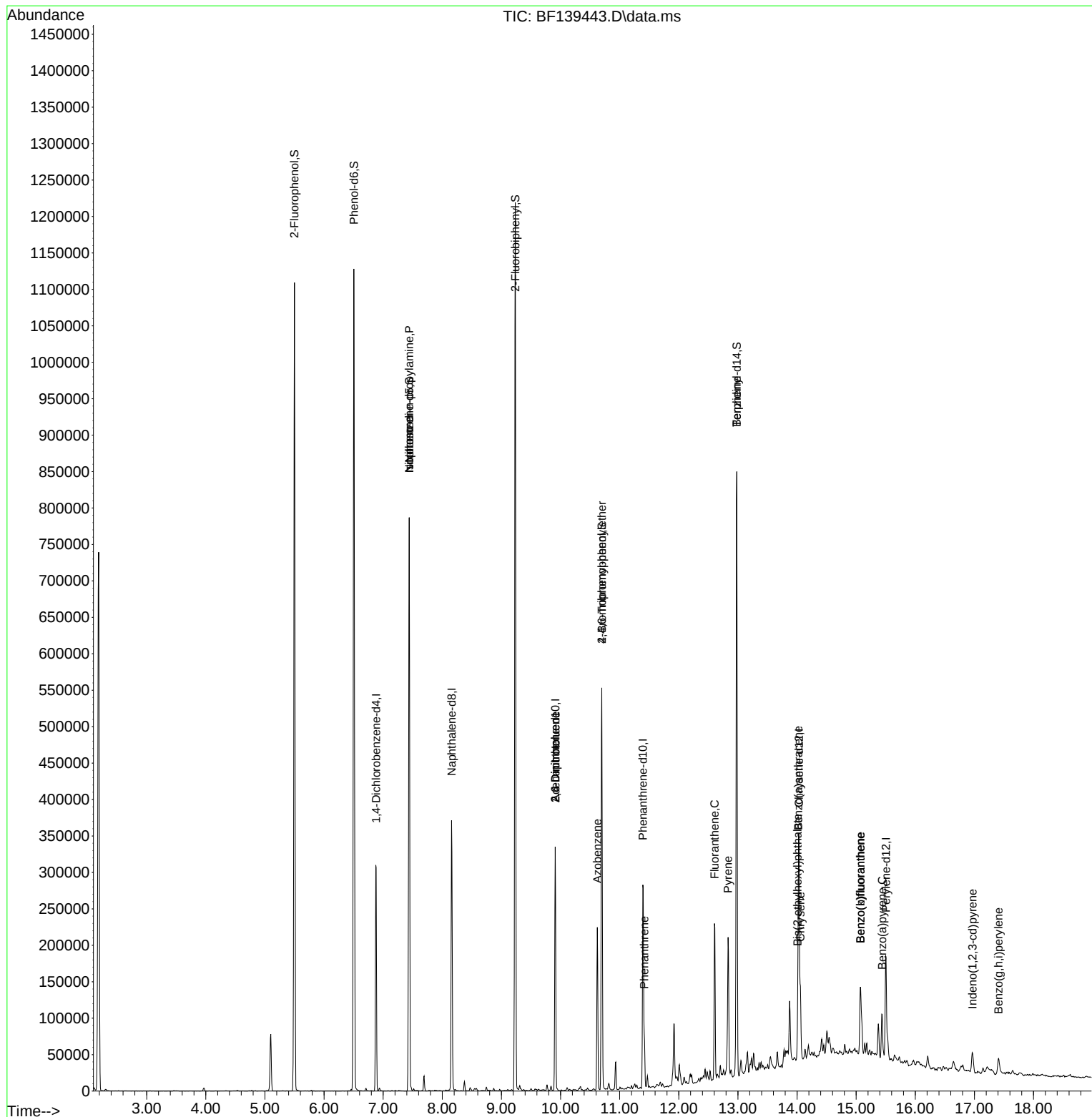
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	61195	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	209586	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	95074	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	150241	20.000	ng	0.00
76) Chrysene-d12	14.033	240	104422	20.000	ng	0.00
86) Perylene-d12	15.504	264	80936	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	348579	92.925	ng	0.00
7) Phenol-d6	6.504	99	466816	94.810	ng	0.00
23) Nitrobenzene-d5	7.440	82	318300	71.397	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	78777	77.829	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	508317	74.986	ng	0.00
79) Terphenyl-d14	12.980	244	384023	60.364	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	45179	15.484	ng	# 75
25) Isophorone	7.440	82	318296	45.144	ng	# 66
51) 2,6-Dinitrotoluene	9.910	165	12517	9.055	ng	# 14
57) 2,4-Dinitrotoluene	9.910	165	12517	6.707	ng	# 16
63) Azobenzene	10.622	77	56401	8.905	ng	# 5
67) 4-Bromophenyl-phenylether	10.698	248	5502	3.695	ng	# 1
71) Phenanthrene	11.416	178	34374	4.742	ng	99
75) Fluoranthene	12.604	202	121063	15.640	ng	99
77) Benzidine	12.980	184	6144	4.107	ng	# 93
78) Pyrene	12.833	202	109123	12.171	ng	99
81) Benzo(a)anthracene	14.022	228	62813	9.081	ng	95
83) Chrysene	14.057	228	50590	7.950	ng	98
84) Bis(2-ethylhexyl)phtha...	14.010	149	12604	3.246	ng	99
87) Indeno(1,2,3-cd)pyrene	16.968	276	20614	4.283	ng	98
88) Benzo(b)fluoranthene	15.074	252	75032	15.032	ng	# 98
89) Benzo(k)fluoranthene	15.074	252	75032	16.303	ng	# 99
90) Benzo(a)pyrene	15.439	252	36961	8.928	ng	# 97
92) Benzo(g,h,i)perylene	17.410	276	20119	5.109	ng	97

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

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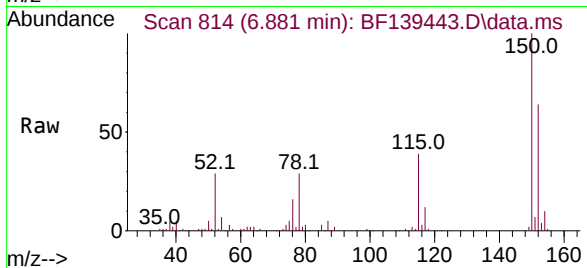
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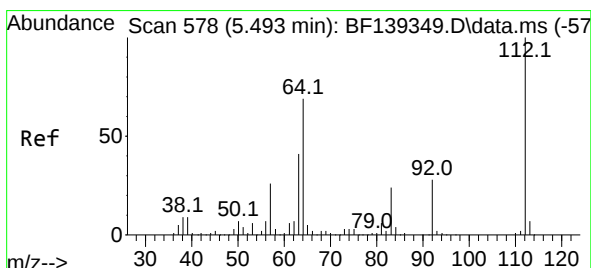
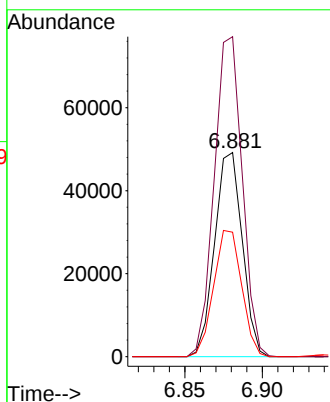
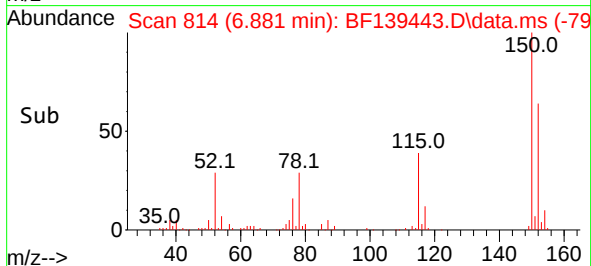


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF139443.D
Acq: 18 Sep 2024 23:35

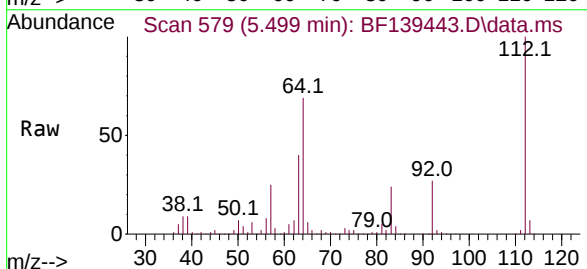
Instrument :
BNA_F
ClientSampleId :
NB-614-COMP-09



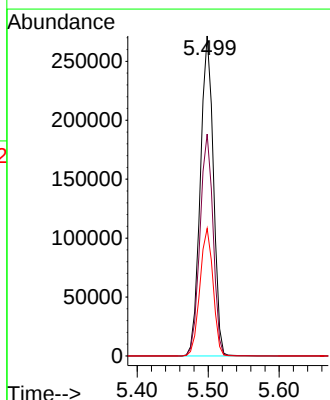
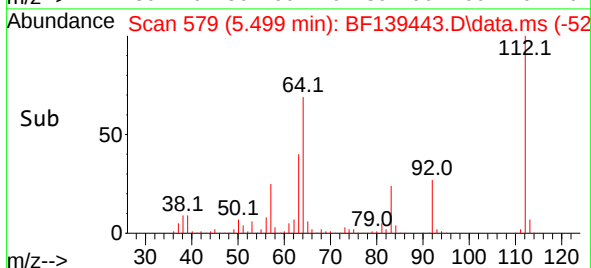
Tgt Ion:152 Resp: 61195
Ion Ratio Lower Upper
152 100
150 156.7 124.1 186.1
115 60.9 48.1 72.1



#5
2-Fluorophenol
Concen: 92.925 ng
RT: 5.499 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF139443.D
Acq: 18 Sep 2024 23:35



Tgt Ion:112 Resp: 348579
Ion Ratio Lower Upper
112 100
64 69.4 54.8 82.2
63 39.8 33.0 49.4

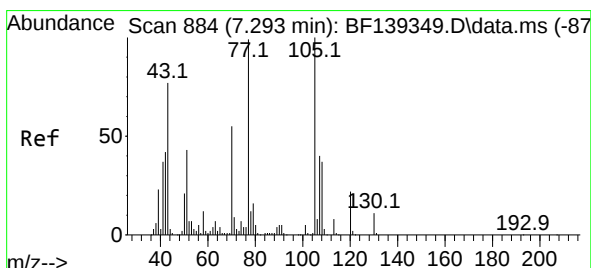
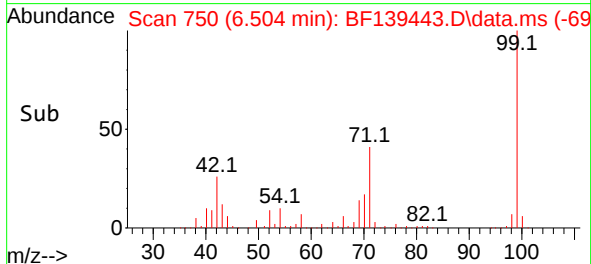
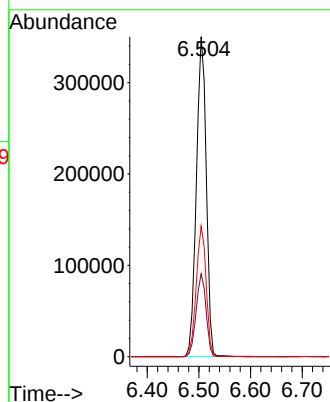
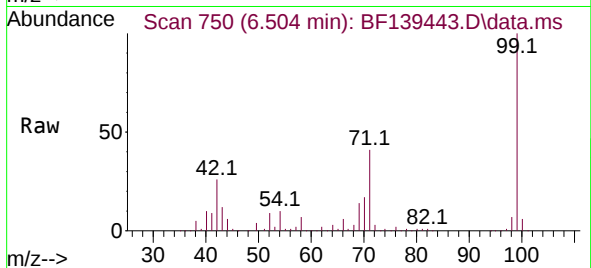




#7
Phenol-d6
Concen: 94.810 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139443.D
Acq: 18 Sep 2024 23:35

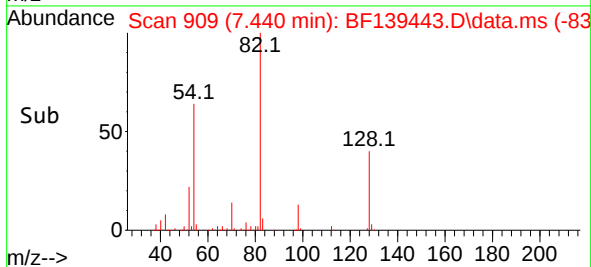
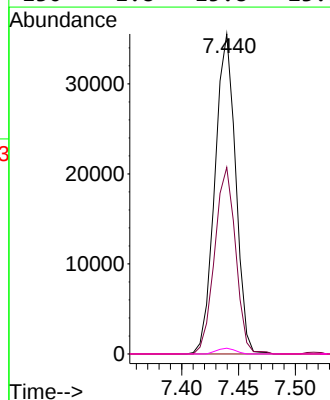
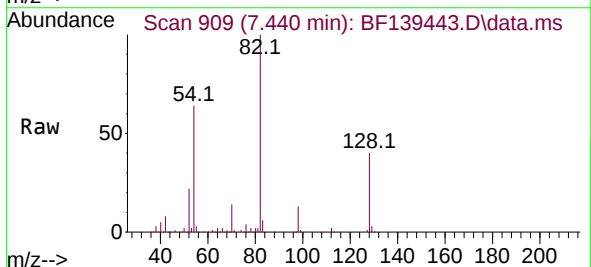
Instrument :
BNA_F
ClientSampleId :
NB-614-COMP-09

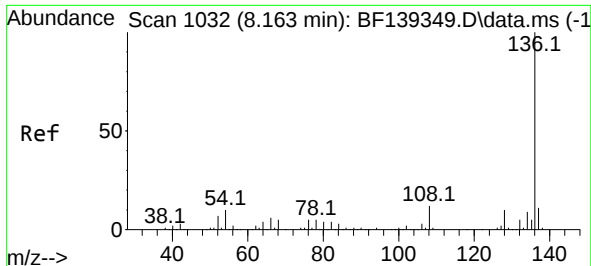
Tgt Ion: 99 Resp: 466816
Ion Ratio Lower Upper
99 100
42 25.9 21.9 32.9
71 40.9 34.6 52.0



#19
n-Nitroso-di-n-propylamine
Concen: 15.484 ng
RT: 7.440 min Scan# 909
Delta R.T. 0.147 min
Lab File: BF139443.D
Acq: 18 Sep 2024 23:35

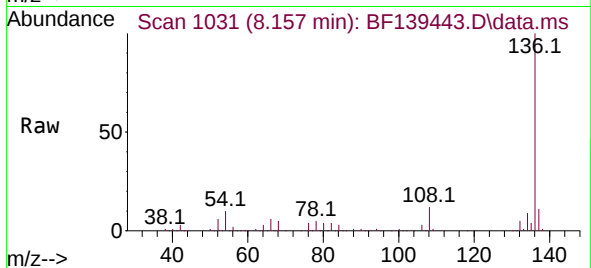
Tgt Ion: 70 Resp: 45179
Ion Ratio Lower Upper
70 100
42 58.3 61.2 91.8#
101 0.0 7.5 11.3#
130 1.8 15.8 23.8#





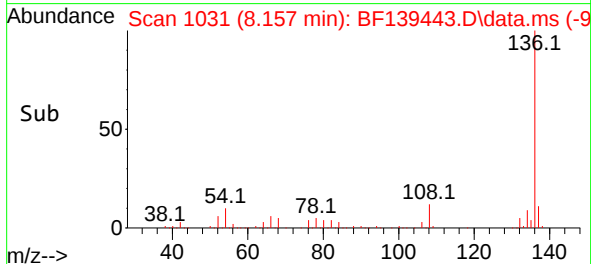
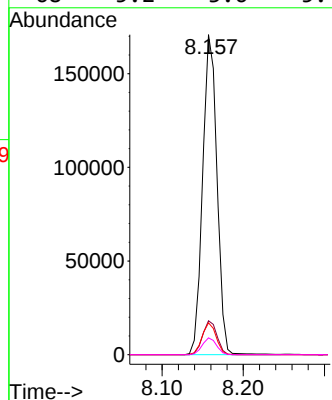
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF139443.D
Acq: 18 Sep 2024 23:35

Instrument :
BNA_F
ClientSampleId :
NB-614-COMP-09



Tgt Ion:136 Resp: 209586

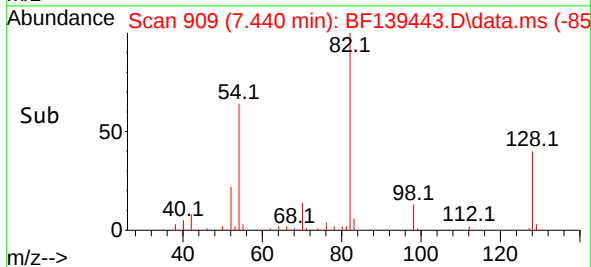
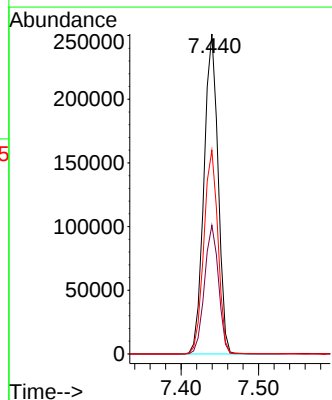
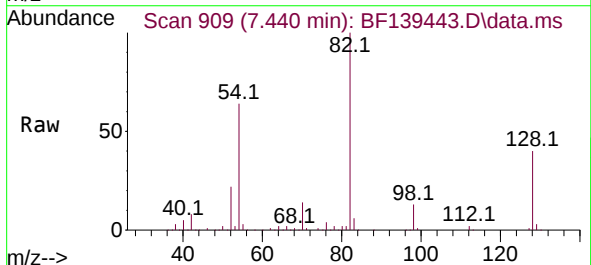
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	12.8
54	10.0	7.8	11.8
68	5.2	3.6	5.4

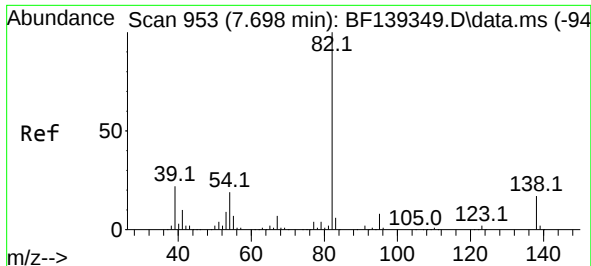


#23
Nitrobenzene-d5
Concen: 71.397 ng
RT: 7.440 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF139443.D
Acq: 18 Sep 2024 23:35

Tgt Ion: 82 Resp: 318300

Ion	Ratio	Lower	Upper
82	100		
128	40.2	31.8	47.6
54	63.7	50.6	75.8

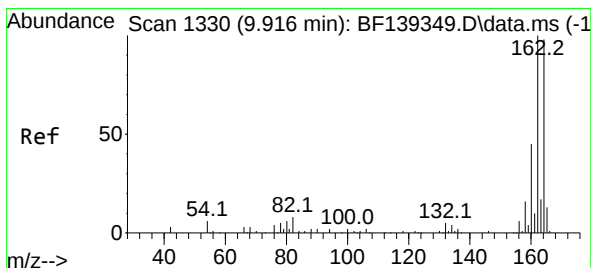
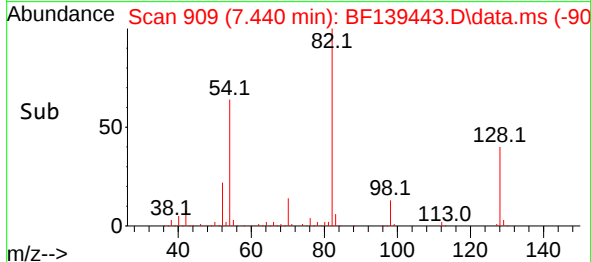
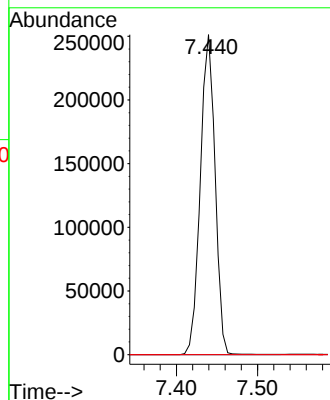
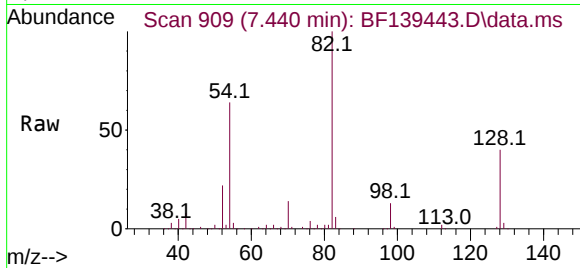




#25
Isophorone
Concen: 45.144 ng
RT: 7.440 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF139443.D
Acq: 18 Sep 2024 23:35

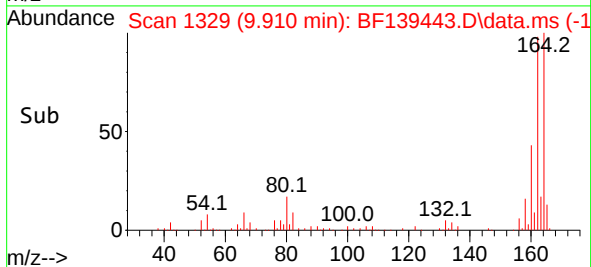
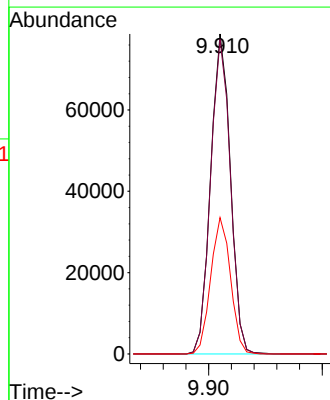
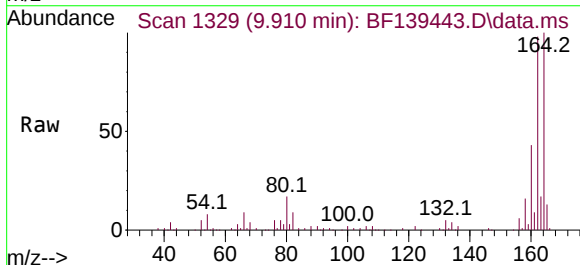
Instrument :
BNA_F
ClientSampleId :
NB-614-COMP-09

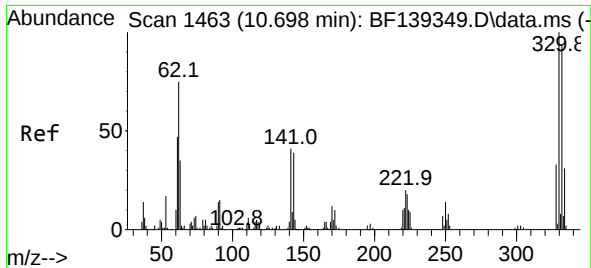
Tgt Ion: 82 Resp: 318296
Ion Ratio Lower Upper
82 100
95 0.0 6.7 10.1#
138 0.0 13.3 19.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF139443.D
Acq: 18 Sep 2024 23:35

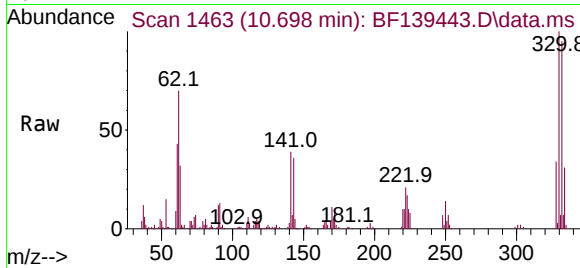
Tgt Ion: 164 Resp: 95074
Ion Ratio Lower Upper
164 100
162 98.3 81.3 121.9
160 42.6 36.4 54.6



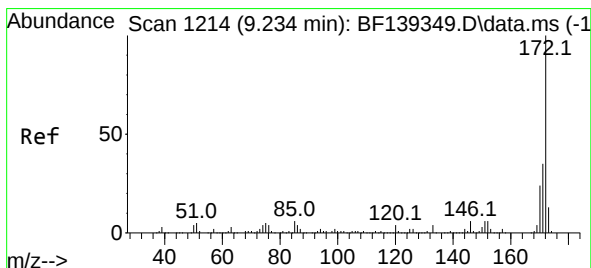
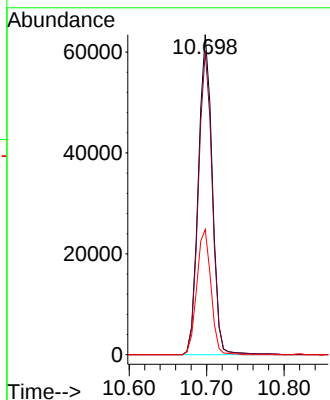
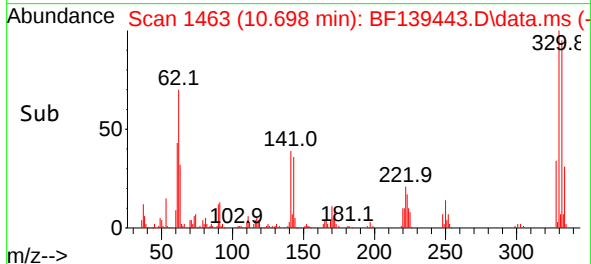


#42
2,4,6-Tribromophenol
Concen: 77.829 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF139443.D
Acq: 18 Sep 2024 23:35

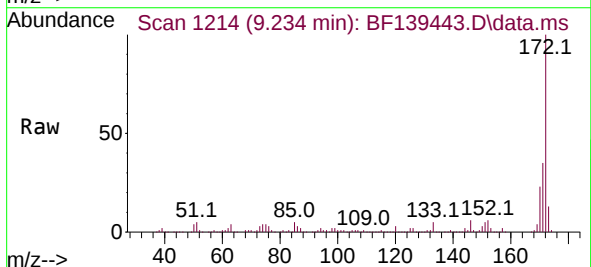
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BNA_F
ClientSampleId :
NB-614-COMP-09



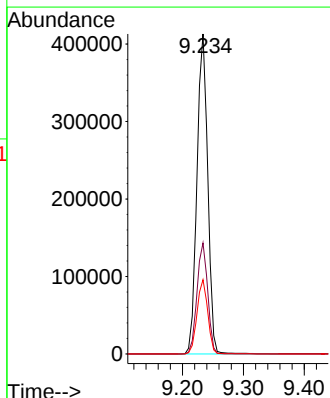
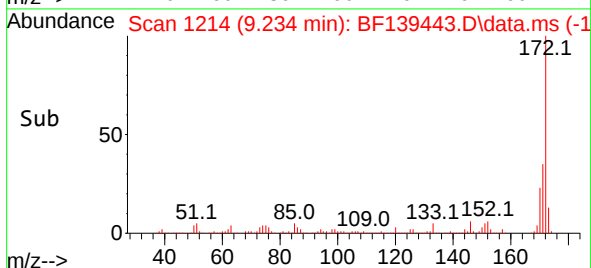
Tgt Ion: 330 Resp: 78777
Ion Ratio Lower Upper
330 100
332 94.5 75.2 112.8
141 39.7 31.2 46.8



#45
2-Fluorobiphenyl
Concen: 74.986 ng
RT: 9.234 min Scan# 1214
Delta R.T. -0.000 min
Lab File: BF139443.D
Acq: 18 Sep 2024 23:35



Tgt Ion: 172 Resp: 508317
Ion Ratio Lower Upper
172 100
171 34.7 28.3 42.5
170 23.2 19.0 28.6

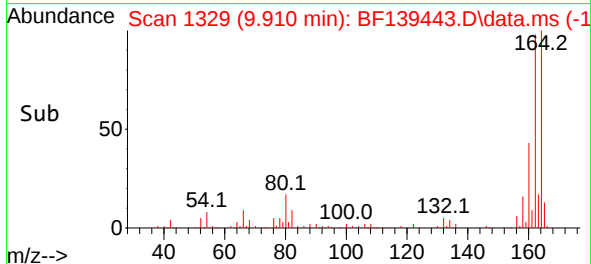
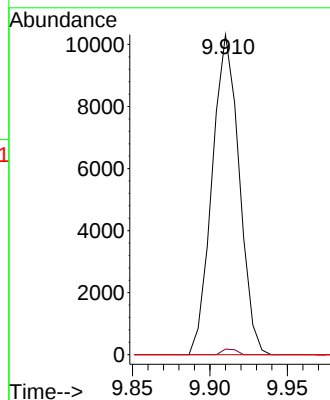
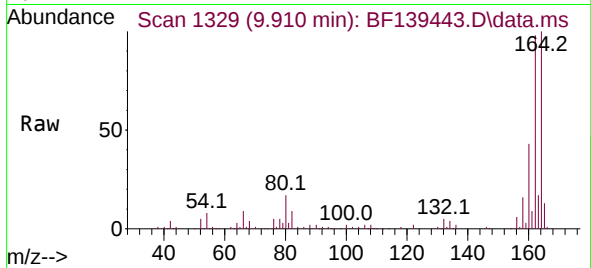




#51
2,6-Dinitrotoluene
Concen: 9.055 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF139443.D
Acq: 18 Sep 2024 23:35

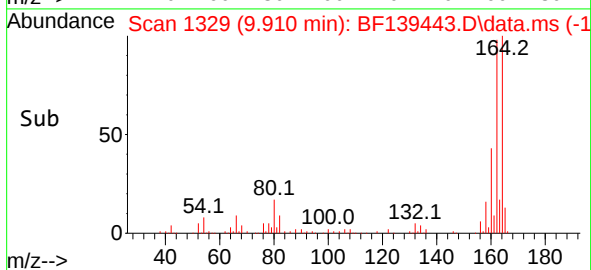
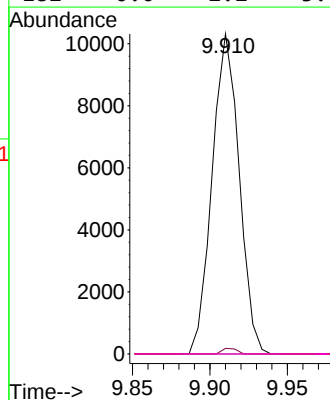
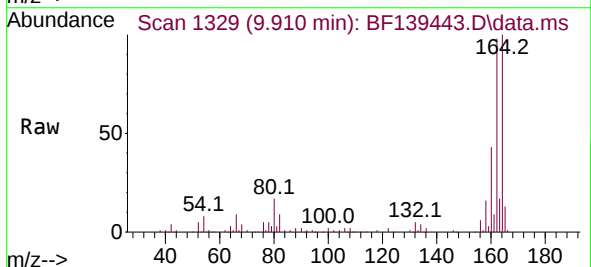
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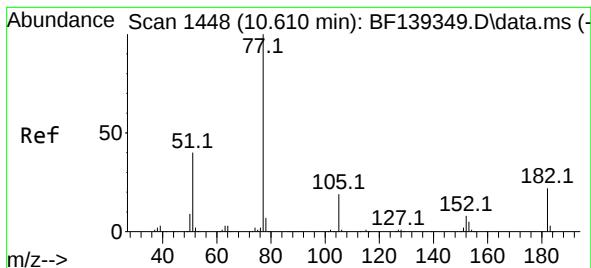
Tgt Ion:165 Resp: 12517
Ion Ratio Lower Upper
165 100
63 1.8 60.9 91.3#
89 0.0 54.7 82.1#



#57
2,4-Dinitrotoluene
Concen: 6.707 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.188 min
Lab File: BF139443.D
Acq: 18 Sep 2024 23:35

Tgt Ion:165 Resp: 12517
Ion Ratio Lower Upper
165 100
63 1.8 47.8 71.6#
89 0.0 66.7 100.1#
182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 8.905 ng

RT: 10.622 min Scan# 1448

Delta R.T. 0.012 min

Lab File: BF139443.D

Acq: 18 Sep 2024 23:35

Instrument :

BNA_F

ClientSampleId :

NB-614-COMP-09

Tgt Ion: 77 Resp: 56401

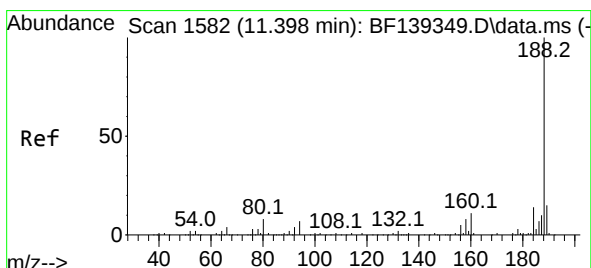
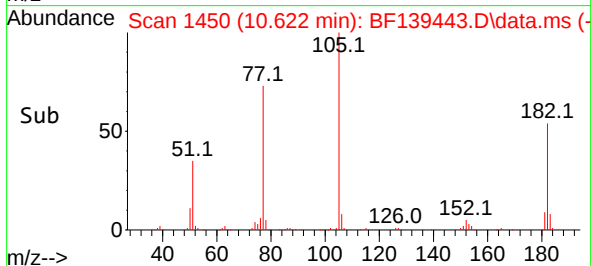
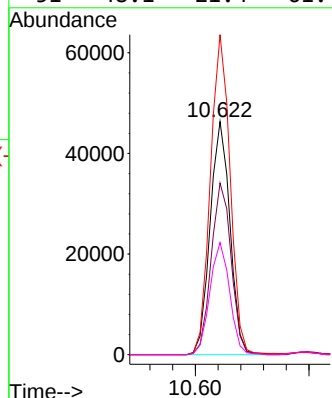
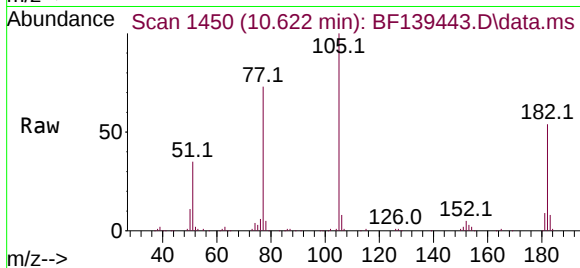
Ion Ratio Lower Upper

77 100

182 73.6 1.8 41.8#

105 137.3 0.0 38.6#

51 48.1 21.4 61.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1581

Delta R.T. -0.006 min

Lab File: BF139443.D

Acq: 18 Sep 2024 23:35

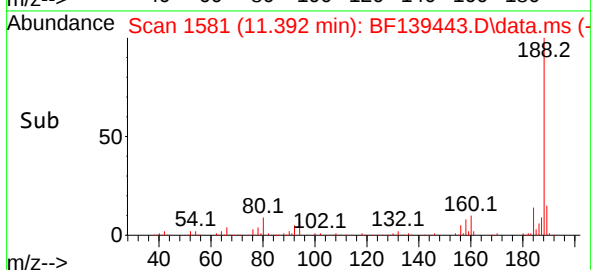
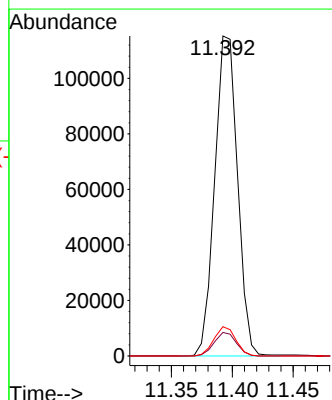
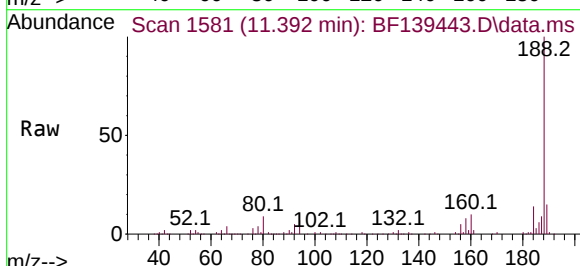
Tgt Ion: 188 Resp: 150241

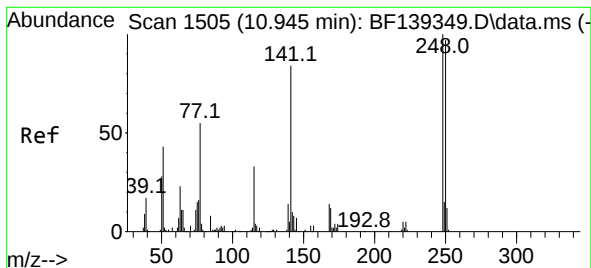
Ion Ratio Lower Upper

188 100

94 7.4 5.5 8.3

80 9.1 6.6 9.8

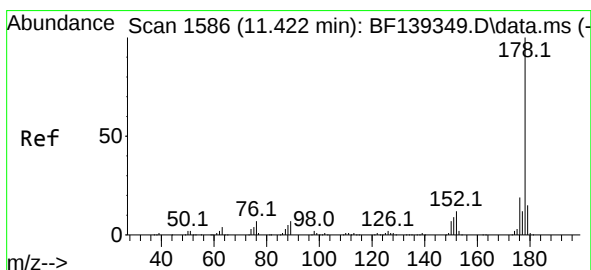
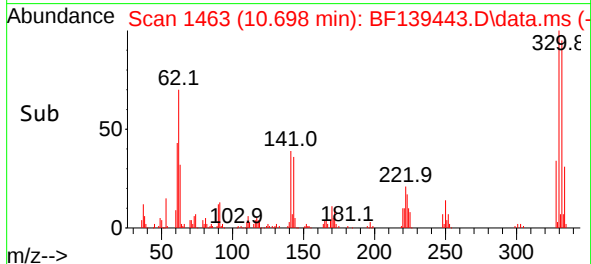
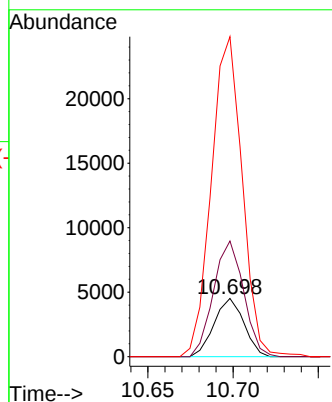
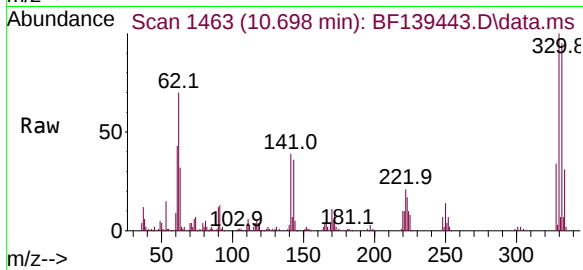




#67
4-Bromophenyl-phenylether
Concen: 3.695 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF139443.D
Acq: 18 Sep 2024 23:35

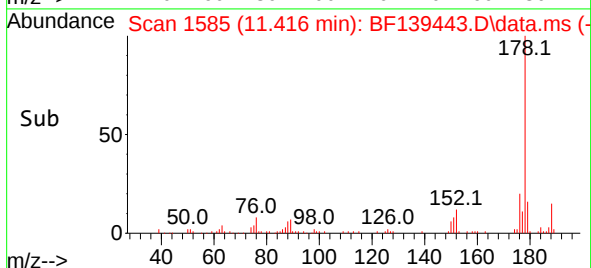
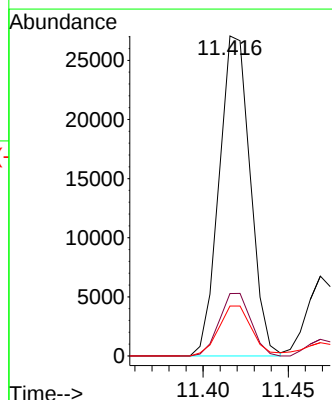
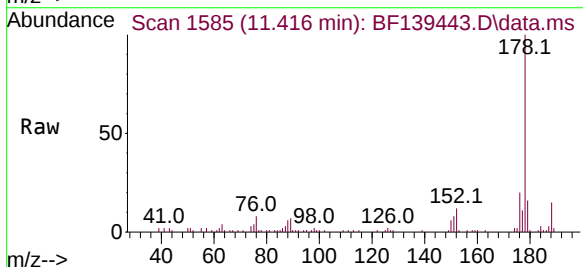
Instrument :
BNA_F
ClientSampleId :
NB-614-COMP-09

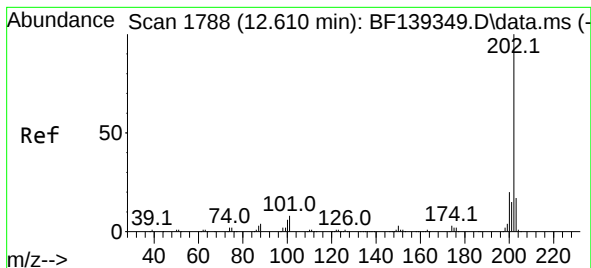
Tgt Ion:248 Resp: 5502
Ion Ratio Lower Upper
248 100
250 198.7 77.6 116.4#
141 549.5 66.9 100.3#



#71
Phenanthrene
Concen: 4.742 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF139443.D
Acq: 18 Sep 2024 23:35

Tgt Ion:178 Resp: 34374
Ion Ratio Lower Upper
178 100
176 19.5 15.2 22.8
179 15.6 12.2 18.4





#75

Fluoranthene

Concen: 15.640 ng

RT: 12.604 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139443.D

Acq: 18 Sep 2024 23:35

Instrument :

BNA_F

ClientSampleId :

NB-614-COMP-09

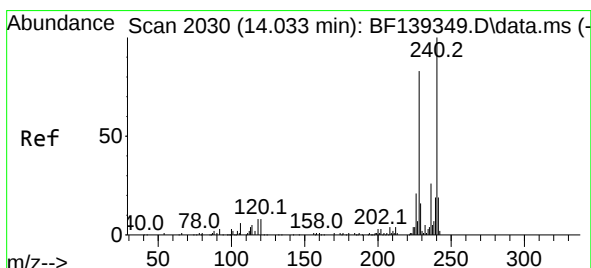
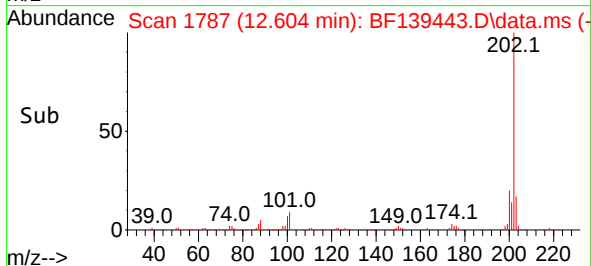
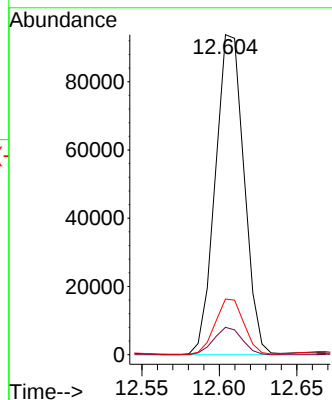
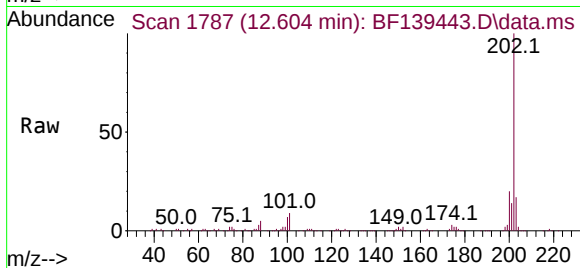
Tgt Ion:202 Resp: 121063

Ion Ratio Lower Upper

202 100

101 8.5 0.0 27.7

203 17.4 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: BF139443.D

Acq: 18 Sep 2024 23:35

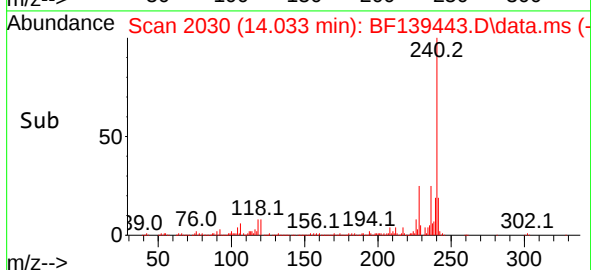
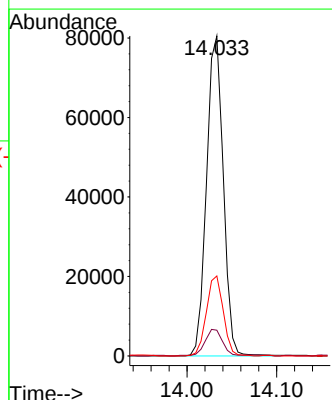
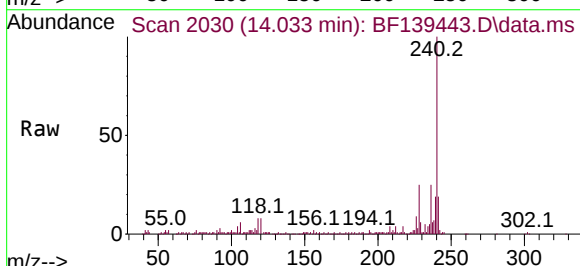
Tgt Ion:240 Resp: 104422

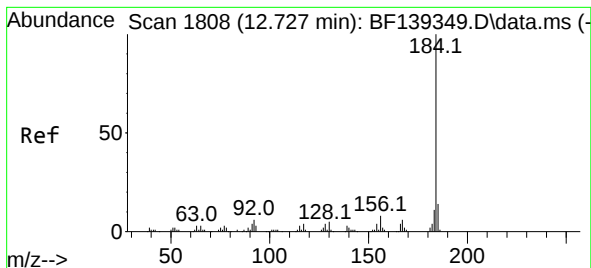
Ion Ratio Lower Upper

240 100

120 8.1 6.2 9.2

236 25.0 20.9 31.3





#77

Benzidine

Concen: 4.107 ng

RT: 12.980 min Scan# 1851

Delta R.T. 0.253 min

Lab File: BF139443.D

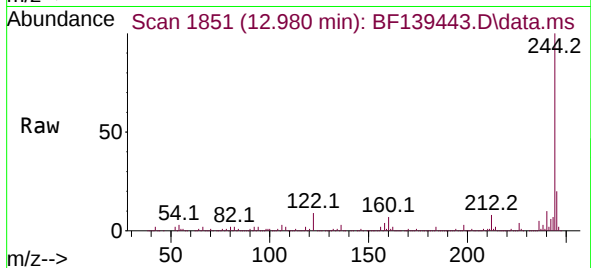
Acq: 18 Sep 2024 23:35

Instrument :

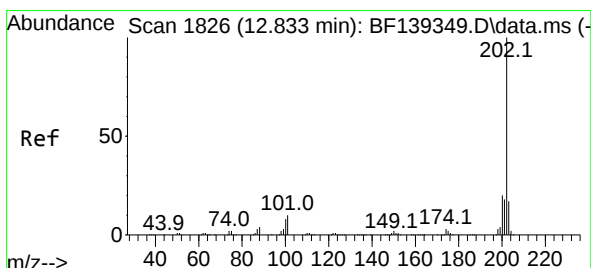
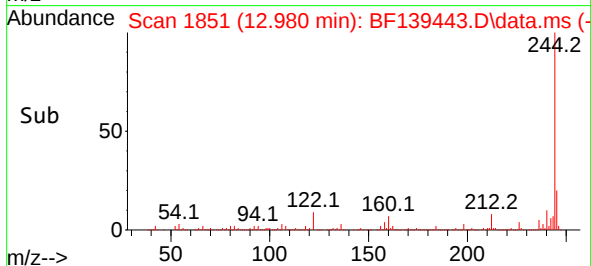
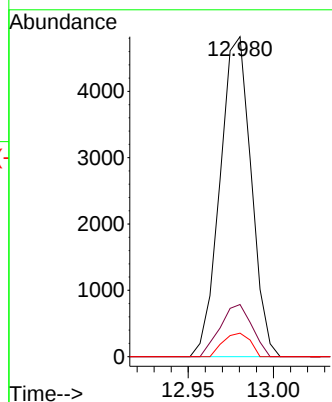
BNA_F

ClientSampleId :

NB-614-COMP-09



Tgt Ion:184	Resp:	6144
Ion	Ratio	Lower Upper
184	100	
185	16.3	11.5 17.3
183	7.3	8.9 13.3#



#78

Pyrene

Concen: 12.171 ng

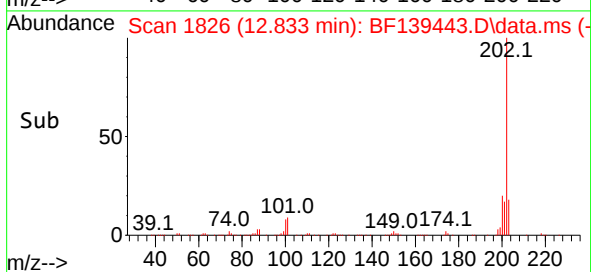
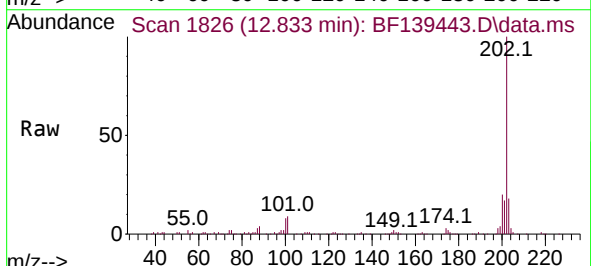
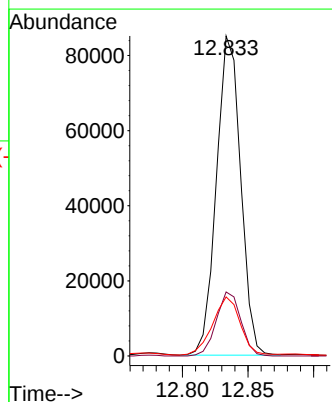
RT: 12.833 min Scan# 1826

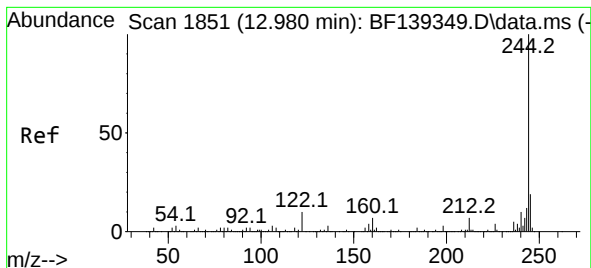
Delta R.T. -0.000 min

Lab File: BF139443.D

Acq: 18 Sep 2024 23:35

Tgt Ion:202	Resp:	109123
Ion	Ratio	Lower Upper
202	100	
200	20.0	16.2 24.2
203	18.4	13.9 20.9





#79

Terphenyl-d14

Concen: 60.364 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.000 min

Lab File: BF139443.D

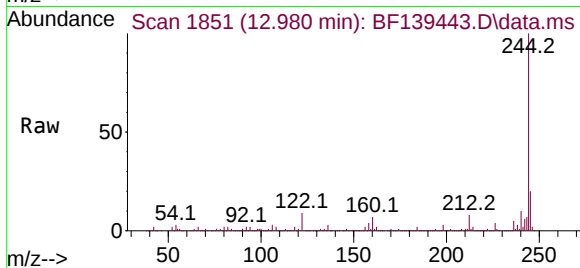
Acq: 18 Sep 2024 23:35

Instrument :

BNA_F

ClientSampleId :

NB-614-COMP-09



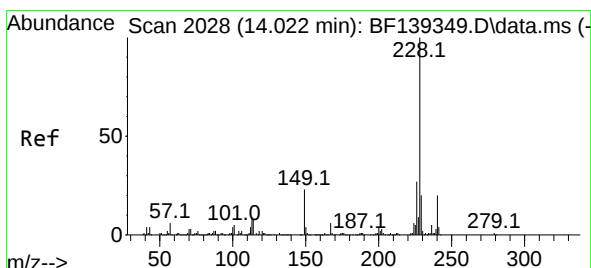
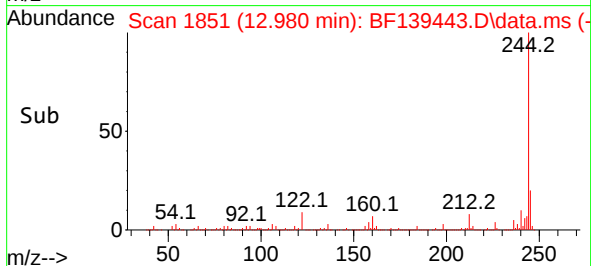
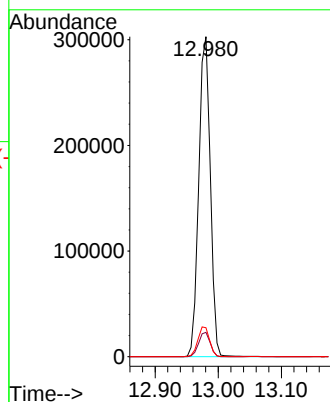
Tgt Ion:244 Resp: 384023

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

122 9.1 7.6 11.4



#81

Benzo(a)anthracene

Concen: 9.081 ng

RT: 14.022 min Scan# 2028

Delta R.T. -0.000 min

Lab File: BF139443.D

Acq: 18 Sep 2024 23:35

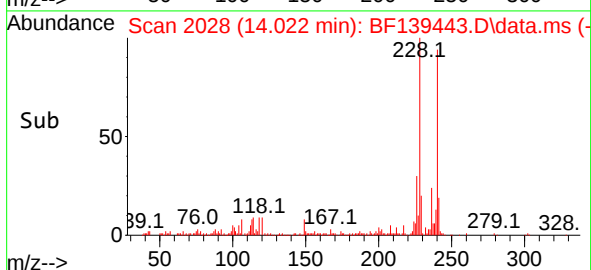
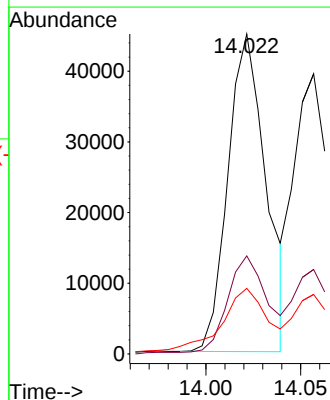
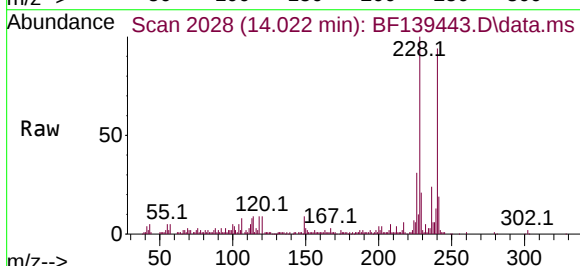
Tgt Ion:228 Resp: 62813

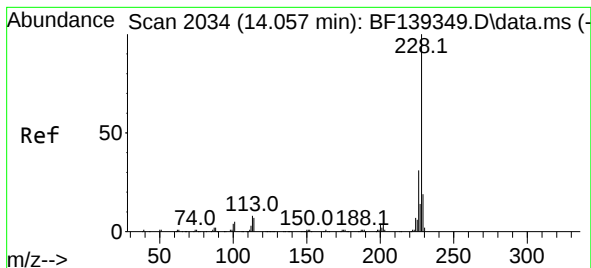
Ion Ratio Lower Upper

228 100

226 30.7 21.6 32.4

229 20.5 15.7 23.5





#83

Chrysene

Concen: 7.950 ng

RT: 14.057 min Scan# 2034

Delta R.T. -0.000 min

Lab File: BF139443.D

Acq: 18 Sep 2024 23:35

Instrument :

BNA_F

ClientSampleId :

NB-614-COMP-09

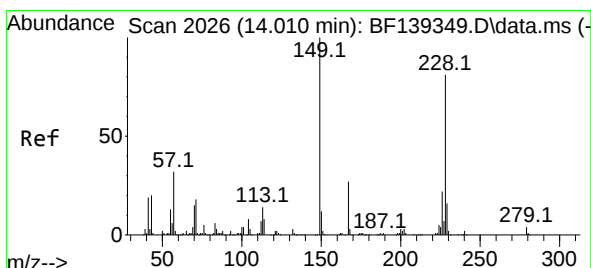
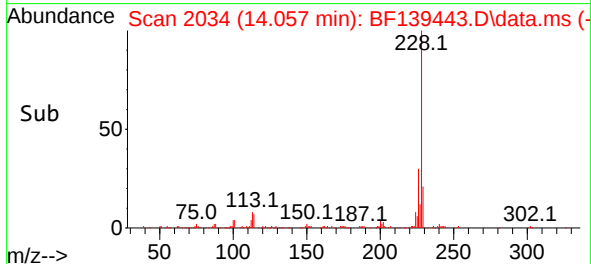
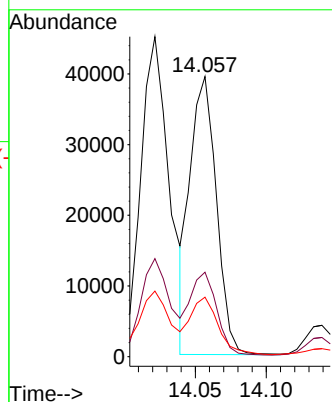
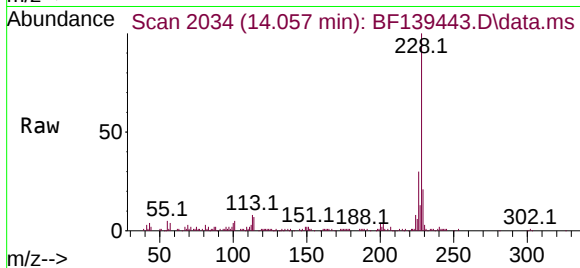
Tgt Ion:228 Resp: 50590

Ion Ratio Lower Upper

228 100

226 30.2 24.1 36.1

229 21.3 15.4 23.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.246 ng

RT: 14.010 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BF139443.D

Acq: 18 Sep 2024 23:35

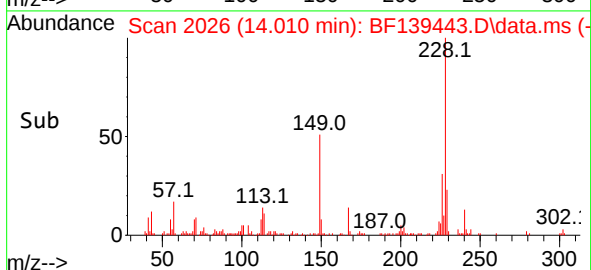
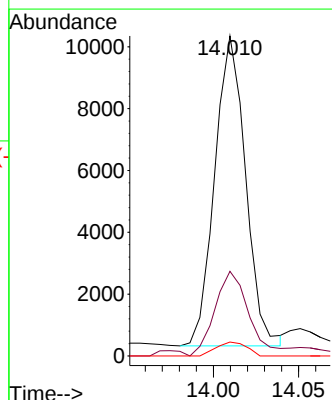
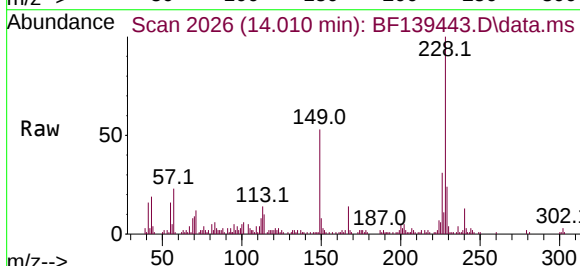
Tgt Ion:149 Resp: 12604

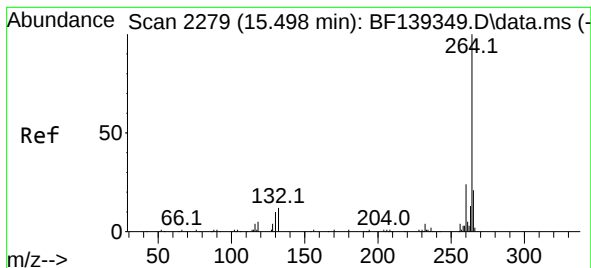
Ion Ratio Lower Upper

149 100

167 26.5 21.6 32.4

279 4.3 3.3 4.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139443.D

Acq: 18 Sep 2024 23:35

Instrument :

BNA_F

ClientSampleId :

NB-614-COMP-09

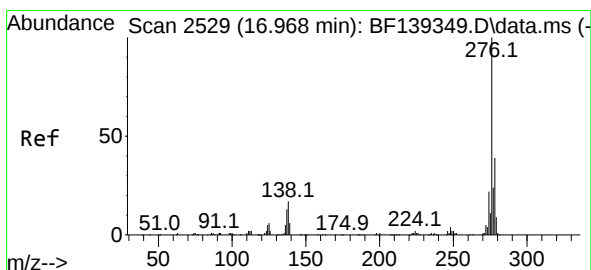
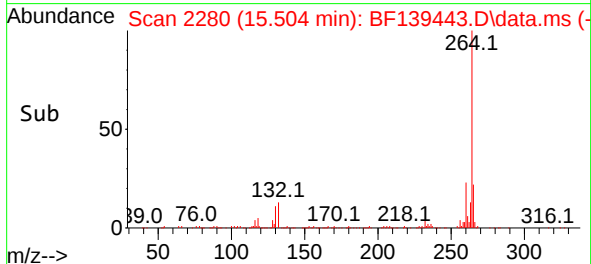
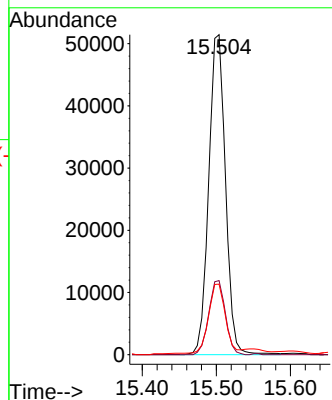
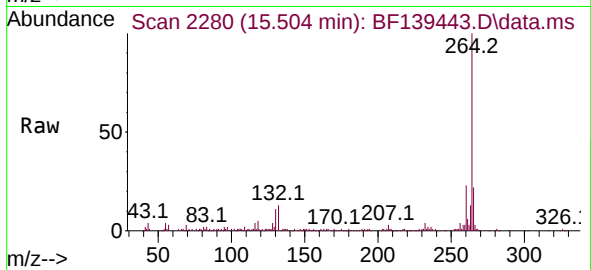
Tgt Ion:264 Resp: 80936

Ion Ratio Lower Upper

264 100

260 23.1 19.5 29.3

265 22.1 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.283 ng

RT: 16.968 min Scan# 2529

Delta R.T. -0.000 min

Lab File: BF139443.D

Acq: 18 Sep 2024 23:35

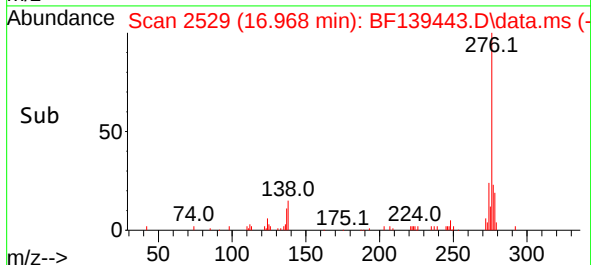
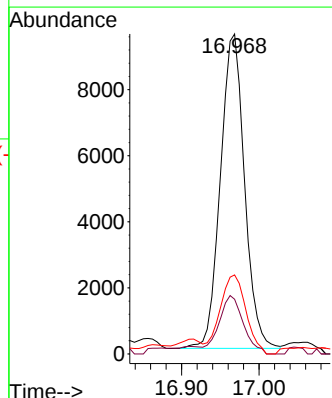
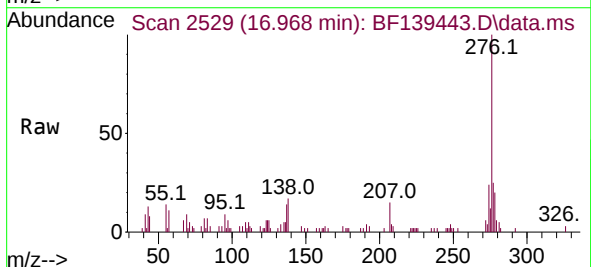
Tgt Ion:276 Resp: 20614

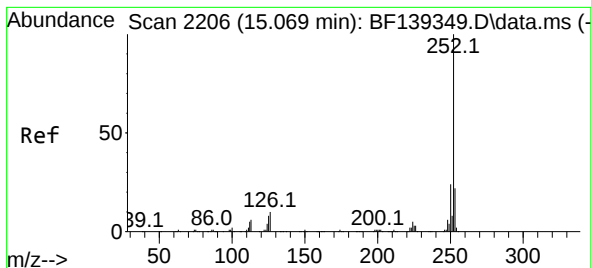
Ion Ratio Lower Upper

276 100

138 18.7 15.4 23.2

277 27.1 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 15.032 ng

RT: 15.074 min Scan# 2207

Delta R.T. 0.006 min

Lab File: BF139443.D

Acq: 18 Sep 2024 23:35

Instrument :

BNA_F

ClientSampleId :

NB-614-COMP-09

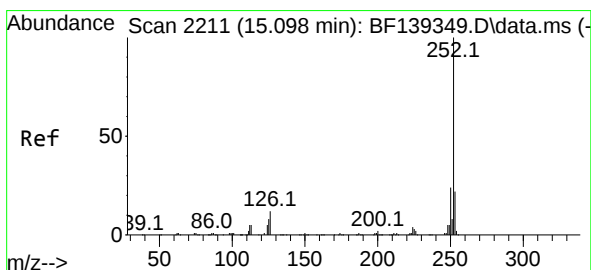
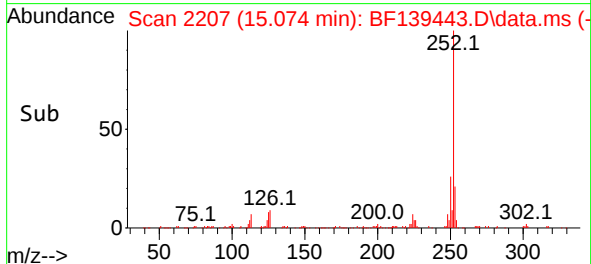
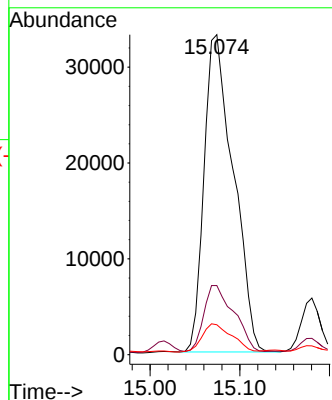
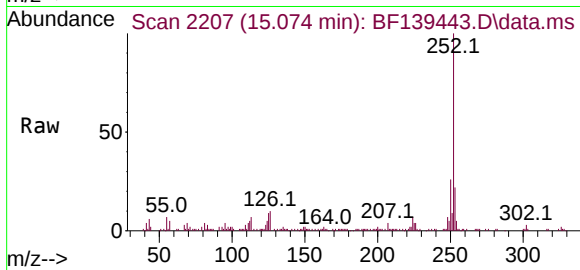
Tgt Ion:252 Resp: 75032

Ion Ratio Lower Upper

252 100

253 21.6 17.6 26.4

125 9.4 6.2 9.2#



#89

Benzo(k)fluoranthene

Concen: 16.303 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.024 min

Lab File: BF139443.D

Acq: 18 Sep 2024 23:35

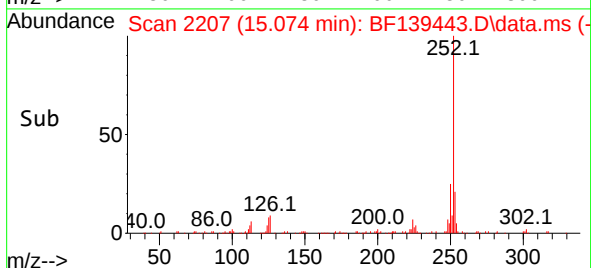
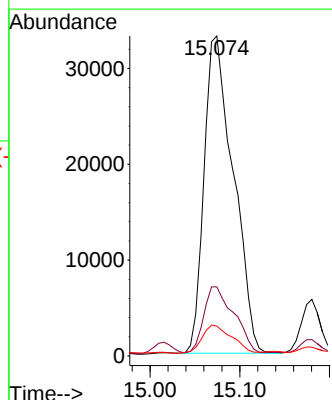
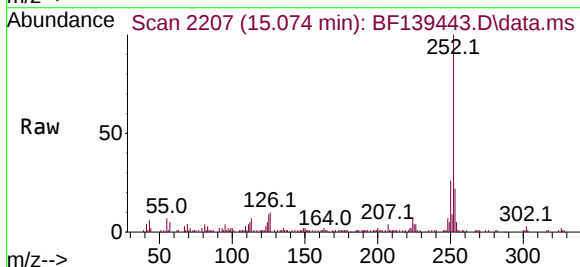
Tgt Ion:252 Resp: 75032

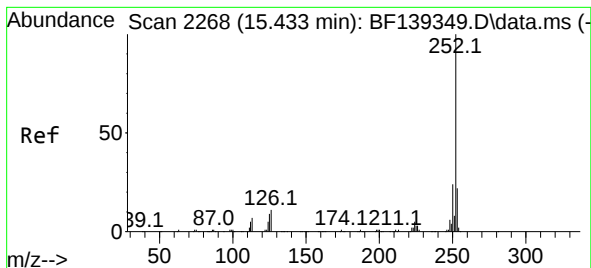
Ion Ratio Lower Upper

252 100

253 21.6 17.3 25.9

125 9.4 5.9 8.9#





#90

Benzo(a)pyrene

Concen: 8.928 ng

RT: 15.439 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139443.D

Acq: 18 Sep 2024 23:35

Instrument :

BNA_F

ClientSampleId :

NB-614-COMP-09

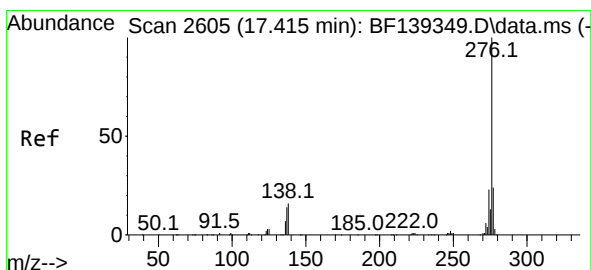
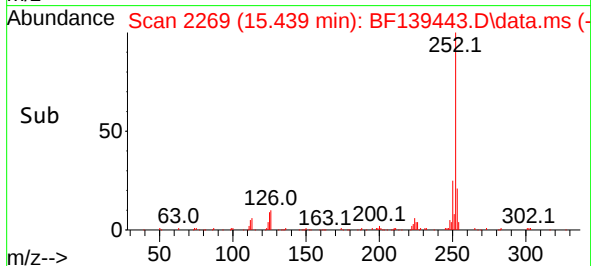
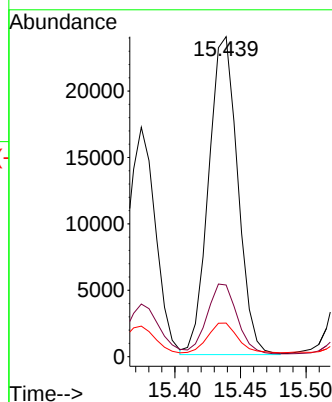
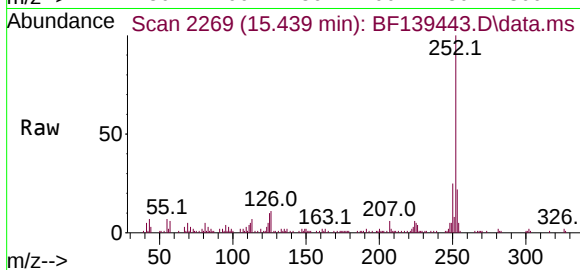
Tgt Ion:252 Resp: 36961

Ion Ratio Lower Upper

252 100

253 22.4 17.3 25.9

125 10.5 6.8 10.2#



#92

Benzo(g,h,i)perylene

Concen: 5.109 ng

RT: 17.410 min Scan# 2604

Delta R.T. -0.006 min

Lab File: BF139443.D

Acq: 18 Sep 2024 23:35

Tgt Ion:276 Resp: 20119

Ion Ratio Lower Upper

276 100

277 25.2 18.9 28.3

138 17.1 13.0 19.6

