

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091824\
 Data File : BF139440.D
 Acq On : 18 Sep 2024 22:09
 Operator : RC/JU
 Sample : P4087-25
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-614-COMP-05

Quant Time: Sep 19 01:30:37 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)

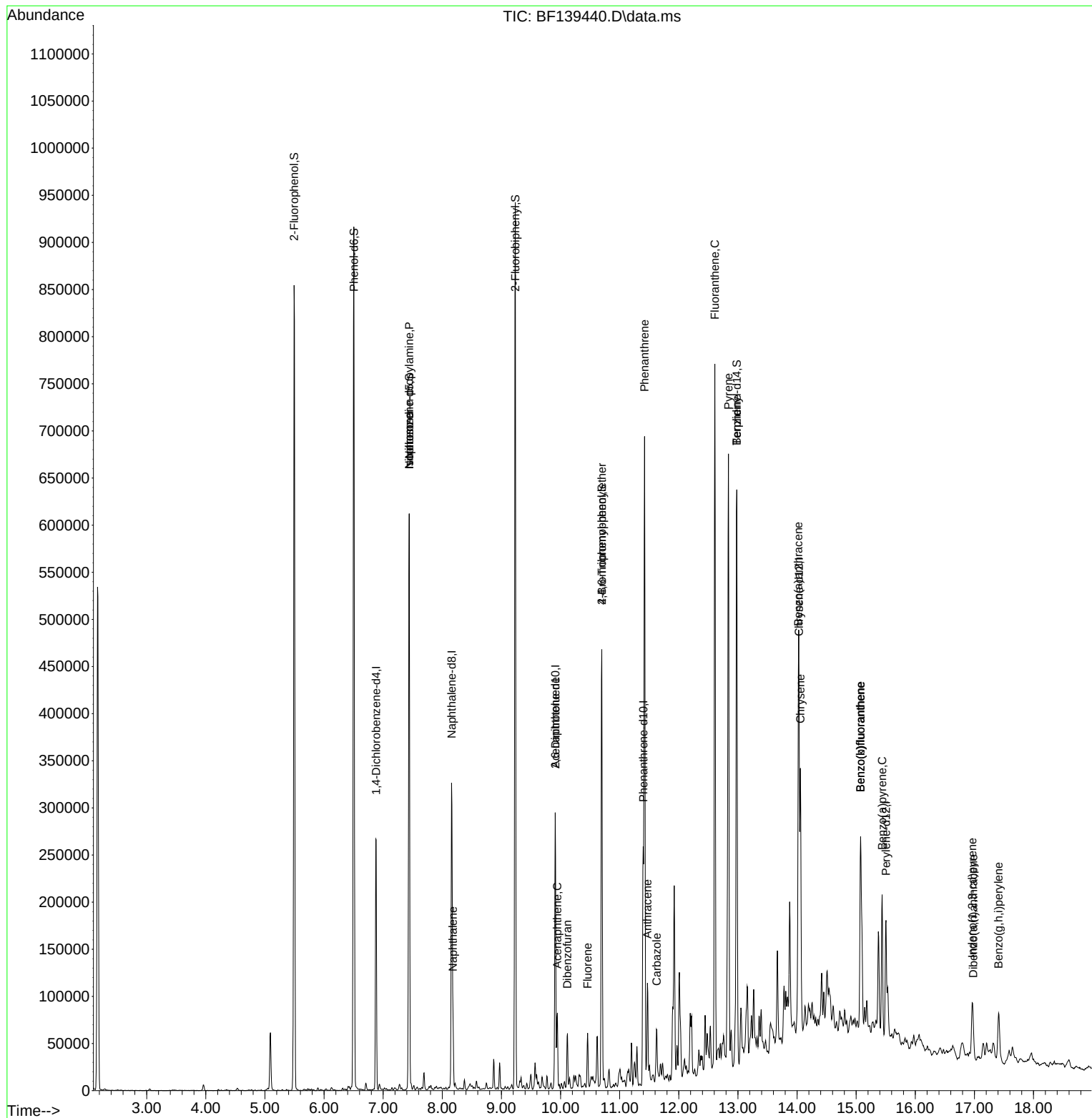
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	52636	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	182368	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	81259	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	126254	20.000	ng	0.00
76) Chrysene-d12	14.033	240	91775	20.000	ng	0.00
86) Perylene-d12	15.504	264	69926	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	275611	85.420	ng	0.00
7) Phenol-d6	6.504	99	371680	87.763	ng	0.00
23) Nitrobenzene-d5	7.440	82	245290	63.232	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	62736	72.519	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	391072	67.499	ng	0.00
79) Terphenyl-d14	12.980	244	279924	50.064	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	35101	13.986	ng	# 77
25) Isophorone	7.440	82	245288	39.982	ng	# 66
31) Naphthalene	8.181	128	38517	4.046	ng	99
51) 2,6-Dinitrotoluene	9.910	165	10888	9.215	ng	# 16
52) Acenaphthene	9.945	154	22761	4.635	ng	98
55) Dibenzofuran	10.116	168	25709	3.756	ng	97
58) Fluorene	10.457	166	20885	3.740	ng	99
67) 4-Bromophenyl-phenylether	10.698	248	4591	3.669	ng	# 1
71) Phenanthrene	11.422	178	342916	56.297	ng	100
72) Anthracene	11.469	178	58545	9.830	ng	96
73) Carbazole	11.628	167	29028	5.093	ng	98
75) Fluoranthene	12.610	202	412383	63.396	ng	99
77) Benzidine	12.980	184	4684	3.562	ng	# 93
78) Pyrene	12.839	202	375076	47.598	ng	99
81) Benzo(a)anthracene	14.021	228	155502	25.580	ng	97
83) Chrysene	14.057	228	139809	24.998	ng	97
87) Indeno(1,2,3-cd)pyrene	16.962	276	44486	10.699	ng	98
88) Benzo(b)fluoranthene	15.074	252	173559	40.245	ng	98
89) Benzo(k)fluoranthene	15.074	252	173559	43.648	ng	# 97
90) Benzo(a)pyrene	15.439	252	89252	24.954	ng	96
91) Dibenzo(a,h)anthracene	16.980	278	11363	3.307	ng	# 91
92) Benzo(g,h,i)perylene	17.409	276	43163	12.688	ng	99

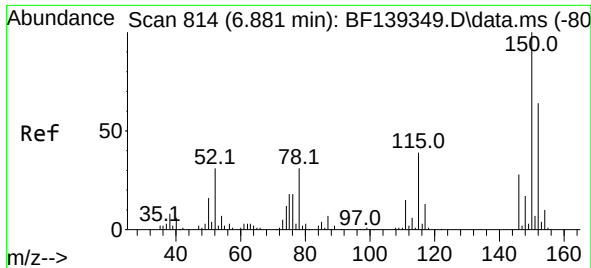
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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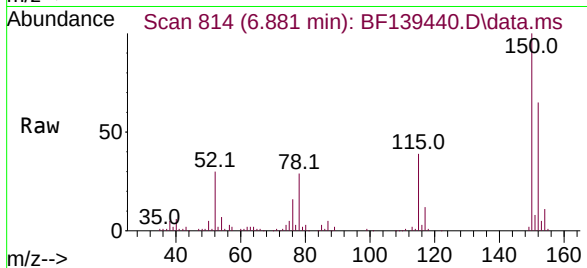
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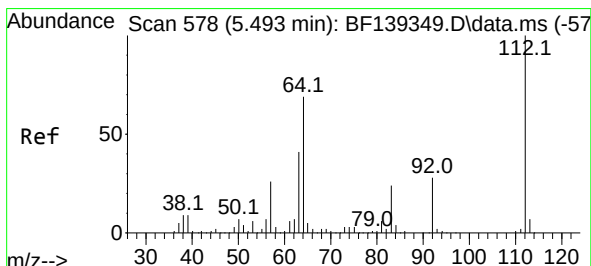
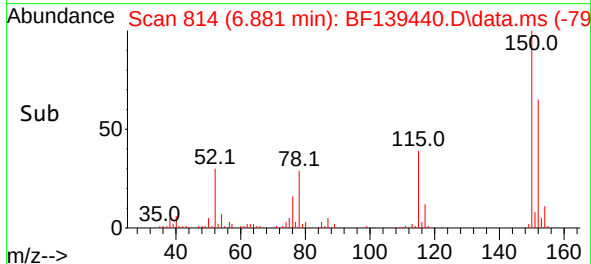
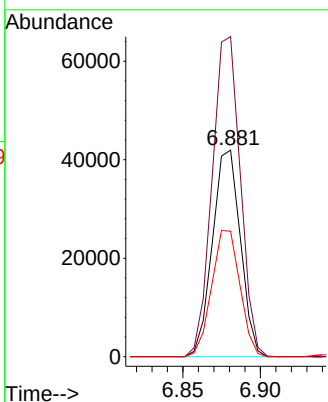


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF139440.D
Acq: 18 Sep 2024 22:09

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BNA_F
ClientSampleId :
NB-614-COMP-05

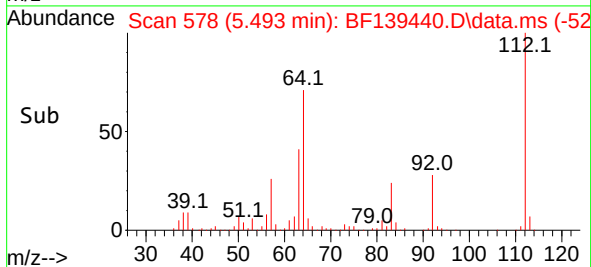
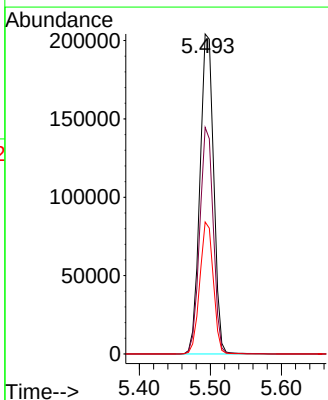
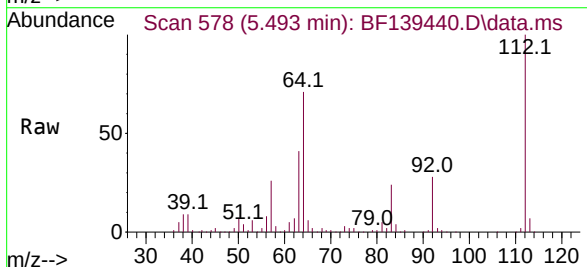


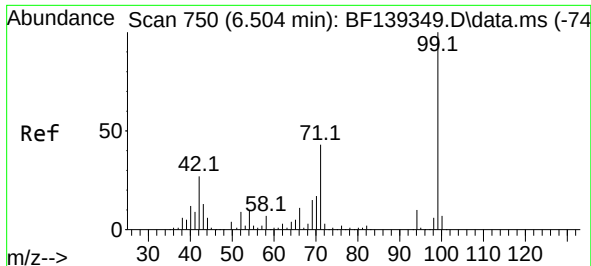
Tgt Ion:152 Resp: 52636
Ion Ratio Lower Upper
152 100
150 154.9 124.1 186.1
115 60.7 48.1 72.1



#5
2-Fluorophenol
Concen: 85.420 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.000 min
Lab File: BF139440.D
Acq: 18 Sep 2024 22:09

Tgt Ion:112 Resp: 275611
Ion Ratio Lower Upper
112 100
64 70.8 54.8 82.2
63 41.2 33.0 49.4

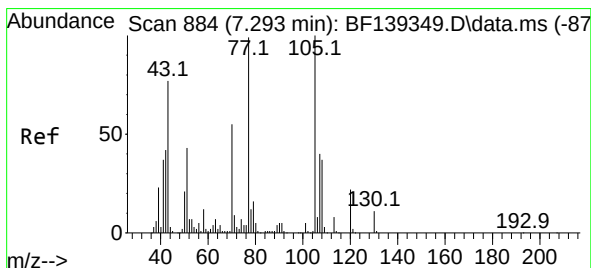
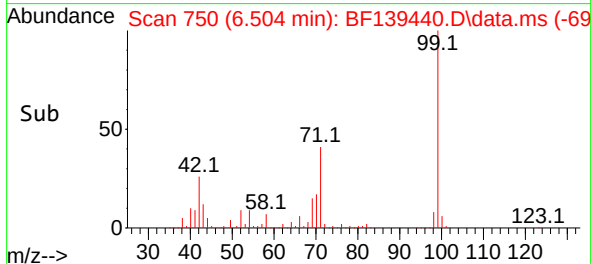
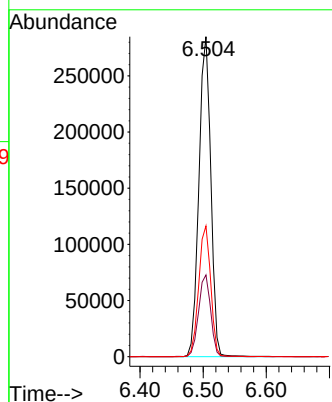
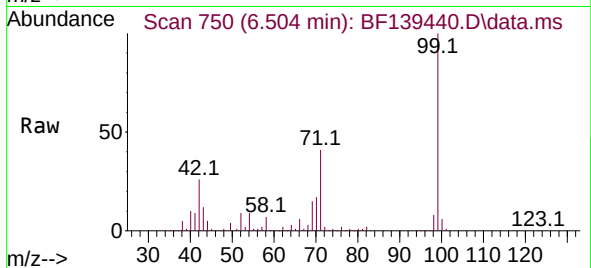




#7
Phenol-d6
Concen: 87.763 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139440.D
Acq: 18 Sep 2024 22:09

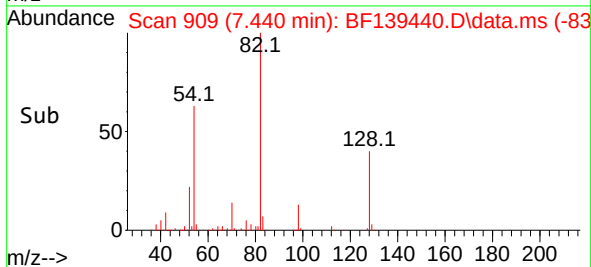
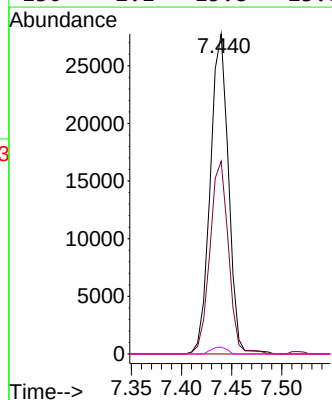
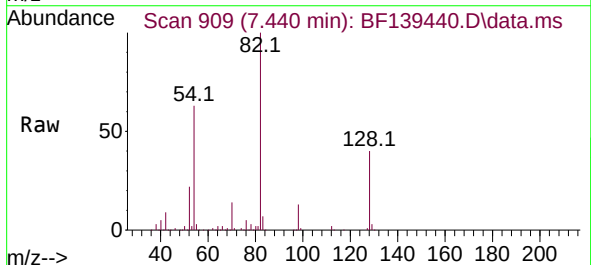
Instrument :
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ClientSampleId :
NB-614-COMP-05

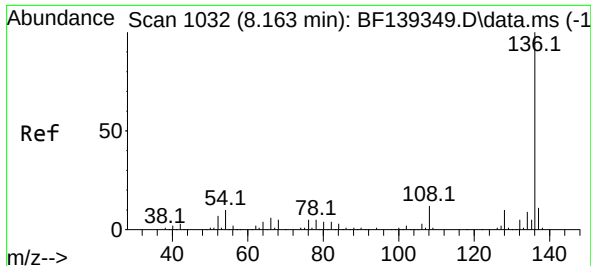
Tgt Ion: 99 Resp: 371680
Ion Ratio Lower Upper
99 100
42 25.5 21.9 32.9
71 40.8 34.6 52.0



#19
n-Nitroso-di-n-propylamine
Concen: 13.986 ng
RT: 7.440 min Scan# 909
Delta R.T. 0.147 min
Lab File: BF139440.D
Acq: 18 Sep 2024 22:09

Tgt Ion: 70 Resp: 35101
Ion Ratio Lower Upper
70 100
42 60.2 61.2 91.8#
101 0.0 7.5 11.3#
130 2.1 15.8 23.8#

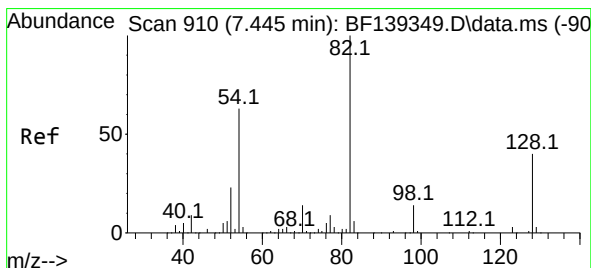
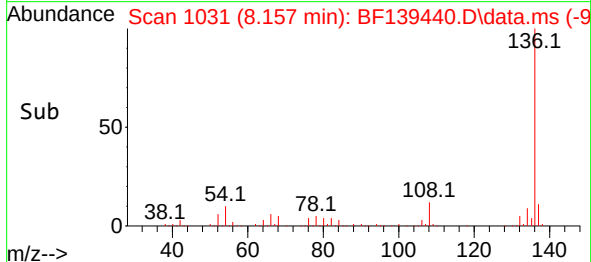
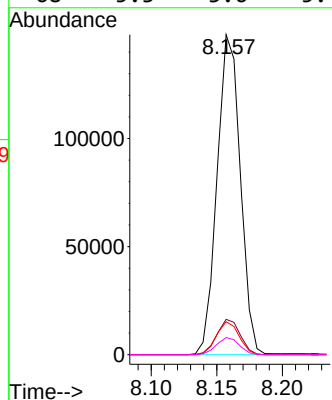
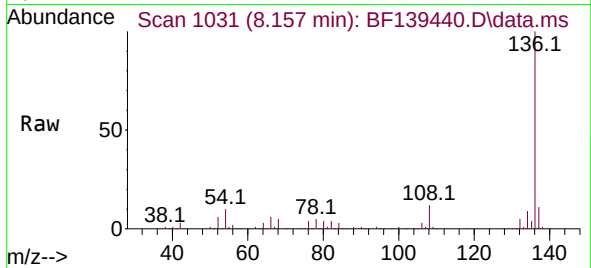




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF139440.D
Acq: 18 Sep 2024 22:09

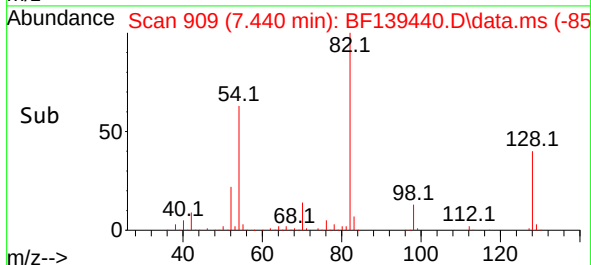
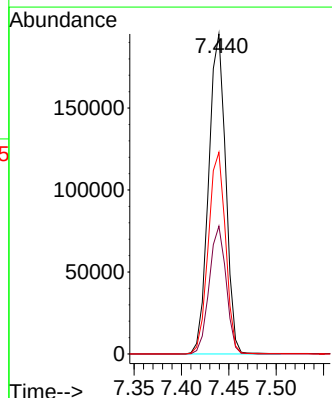
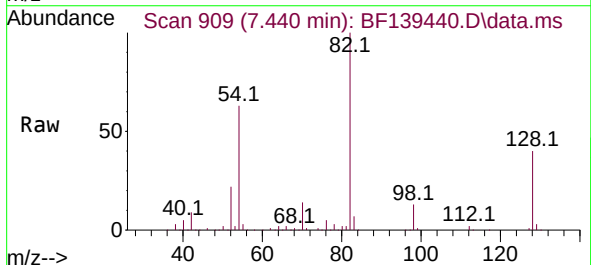
Instrument :
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NB-614-COMP-05

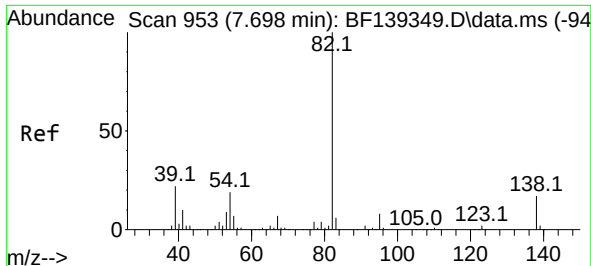
Tgt Ion:	136	Resp:	182368
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	12.8
54	10.3	7.8	11.8
68	5.3	3.6	5.4



#23
Nitrobenzene-d5
Concen: 63.232 ng
RT: 7.440 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF139440.D
Acq: 18 Sep 2024 22:09

Tgt Ion:	82	Resp:	245290
Ion	Ratio	Lower	Upper
82	100		
128	40.0	31.8	47.6
54	63.0	50.6	75.8

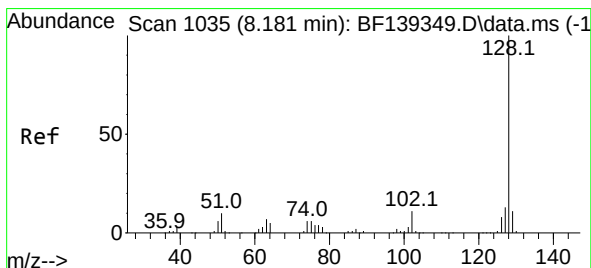
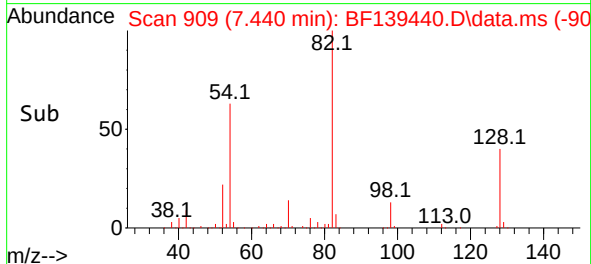
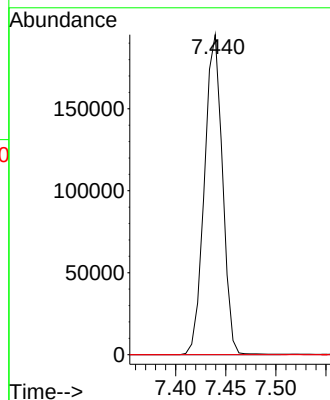
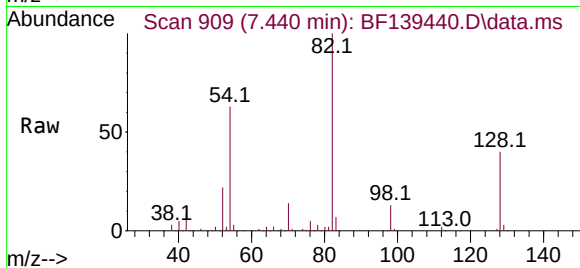




#25
Isophorone
Concen: 39.982 ng
RT: 7.440 min Scan# 909
Delta R.T. -0.259 min
Lab File: BF139440.D
Acq: 18 Sep 2024 22:09

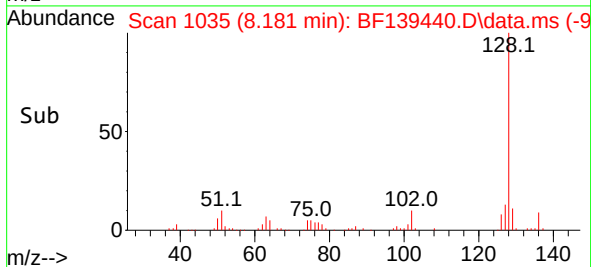
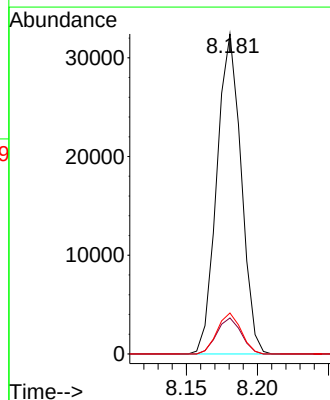
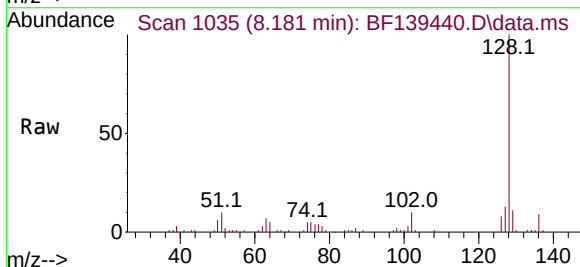
Instrument :
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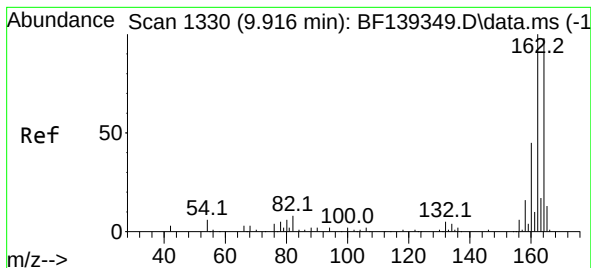
Tgt Ion: 82 Resp: 245288
Ion Ratio Lower Upper
82 100
95 0.0 6.7 10.1#
138 0.0 13.3 19.9#



#31
Naphthalene
Concen: 4.046 ng
RT: 8.181 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF139440.D
Acq: 18 Sep 2024 22:09

Tgt Ion: 128 Resp: 38517
Ion Ratio Lower Upper
128 100
129 11.3 8.6 13.0
127 12.8 10.6 16.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139440.D

Acq: 18 Sep 2024 22:09

Instrument :

BNA_F

ClientSampleId :

NB-614-COMP-05

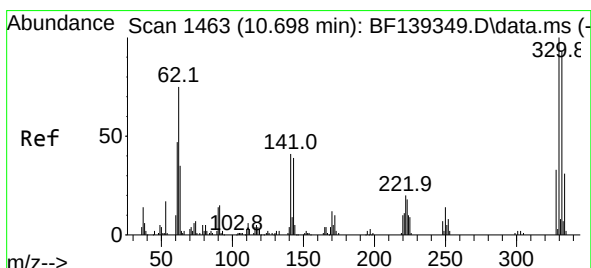
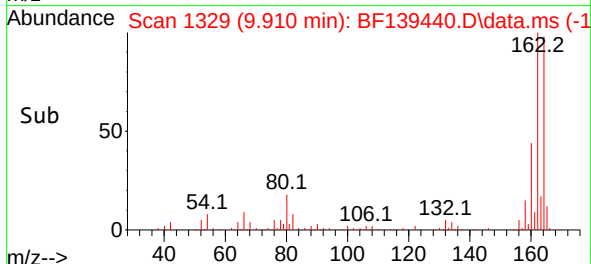
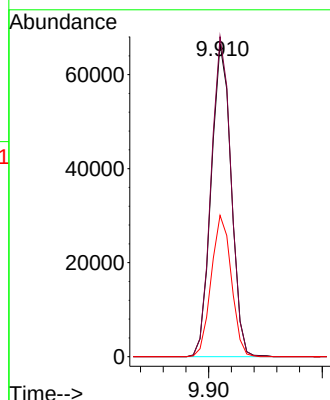
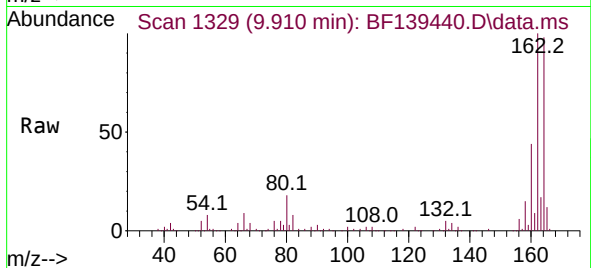
Tgt Ion:164 Resp: 81259

Ion Ratio Lower Upper

164 100

162 102.3 81.3 121.9

160 45.2 36.4 54.6



#42

2,4,6-Tribromophenol

Concen: 72.519 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.000 min

Lab File: BF139440.D

Acq: 18 Sep 2024 22:09

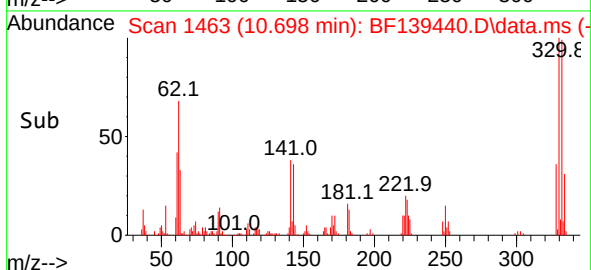
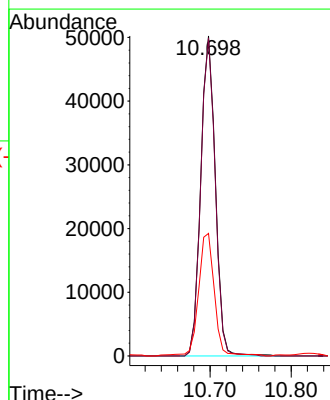
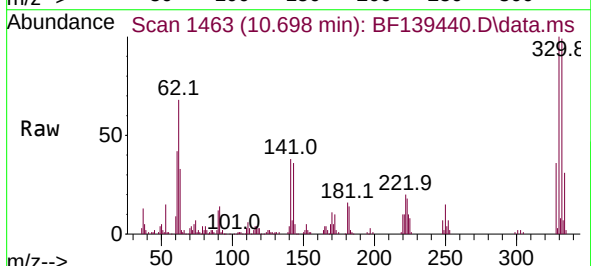
Tgt Ion:330 Resp: 62736

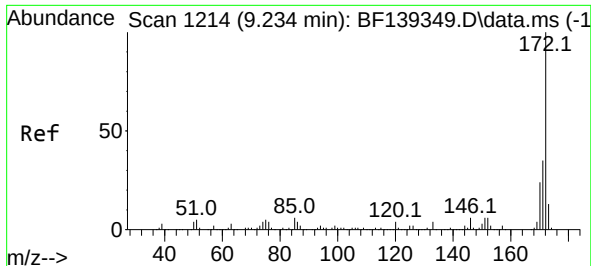
Ion Ratio Lower Upper

330 100

332 98.2 75.2 112.8

141 41.6 31.2 46.8





#45

2-Fluorobiphenyl

Concen: 67.499 ng

RT: 9.234 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139440.D

Acq: 18 Sep 2024 22:09

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BNA_F

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NB-614-COMP-05

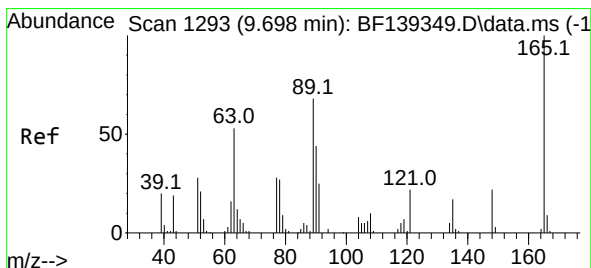
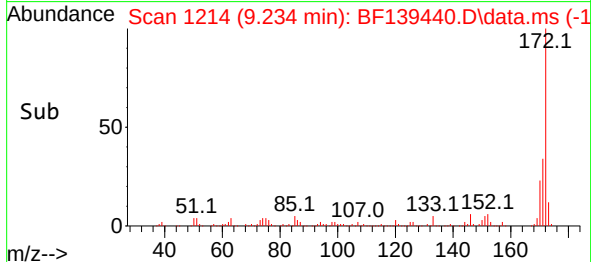
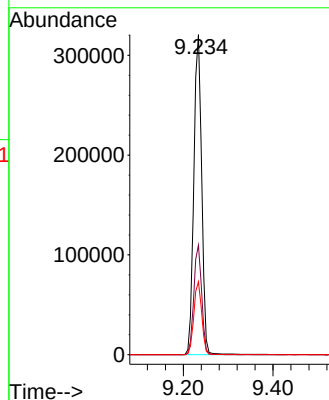
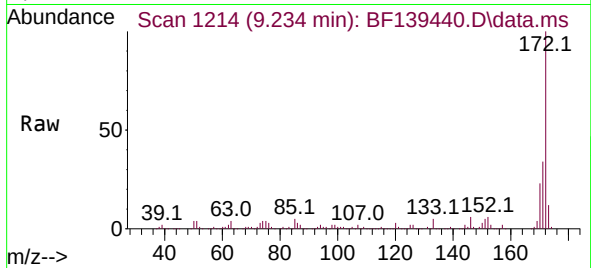
Tgt Ion:172 Resp: 391072

Ion Ratio Lower Upper

172 100

171 34.3 28.3 42.5

170 22.8 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 9.215 ng

RT: 9.910 min Scan# 1329

Delta R.T. 0.212 min

Lab File: BF139440.D

Acq: 18 Sep 2024 22:09

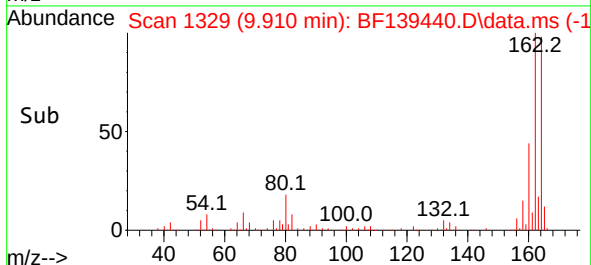
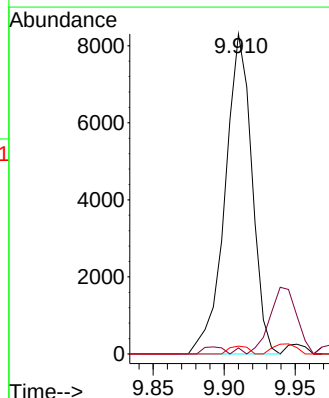
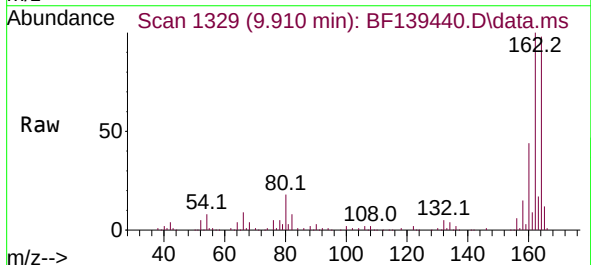
Tgt Ion:165 Resp: 10888

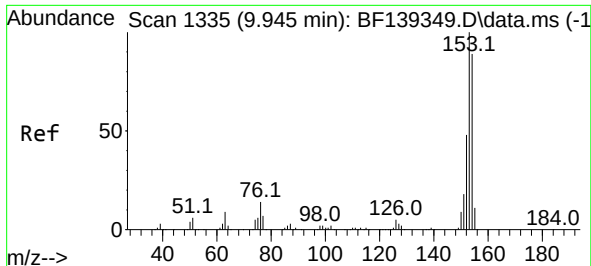
Ion Ratio Lower Upper

165 100

63 1.9 60.9 91.3#

89 2.5 54.7 82.1#

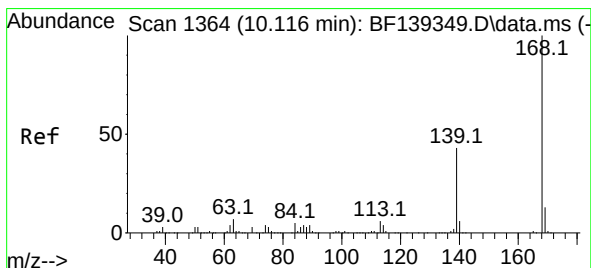
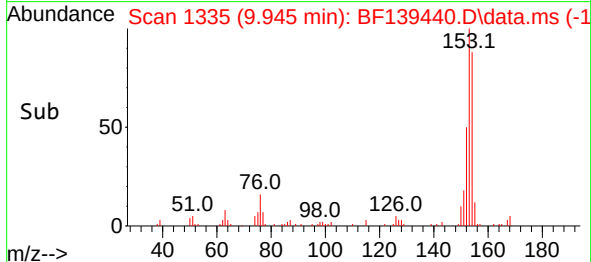
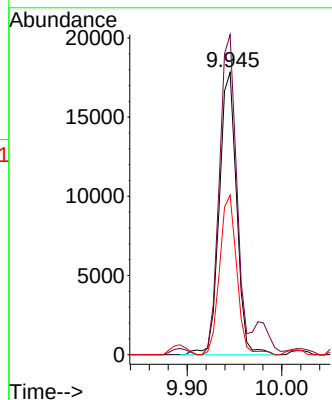
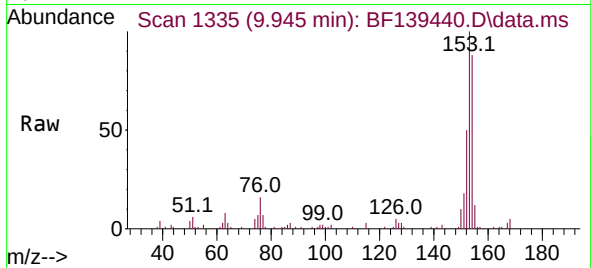




#52
Acenaphthene
Concen: 4.635 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.000 min
Lab File: BF139440.D
Acq: 18 Sep 2024 22:09

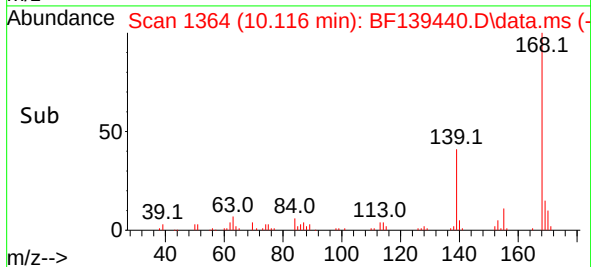
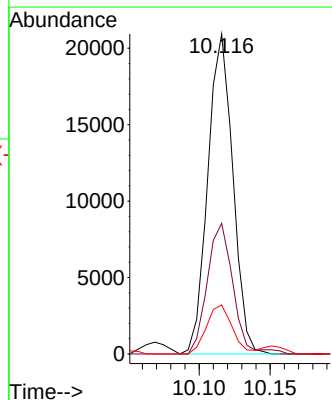
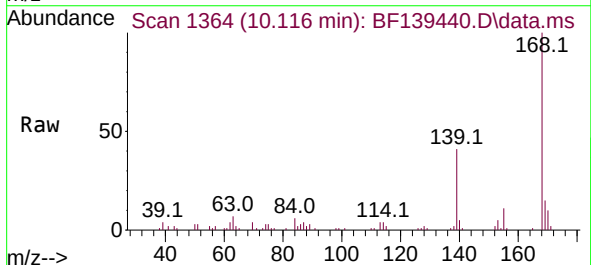
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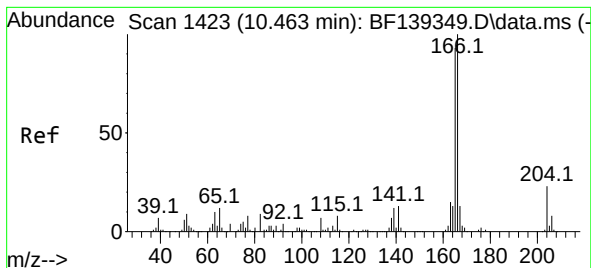
Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.4	89.5	134.3
152	56.5	42.6	64.0



#55
Dibenzofuran
Concen: 3.756 ng
RT: 10.116 min Scan# 1364
Delta R.T. -0.000 min
Lab File: BF139440.D
Acq: 18 Sep 2024 22:09

Tgt Ion	Ratio	Lower	Upper
168	100		
139	40.8	34.1	51.1
169	15.3	10.5	15.7





#58

Fluorene

Concen: 3.740 ng

RT: 10.457 min Scan# 1422

Delta R.T. -0.006 min

Lab File: BF139440.D

Acq: 18 Sep 2024 22:09

Instrument :

BNA_F

ClientSampleId :

NB-614-COMP-05

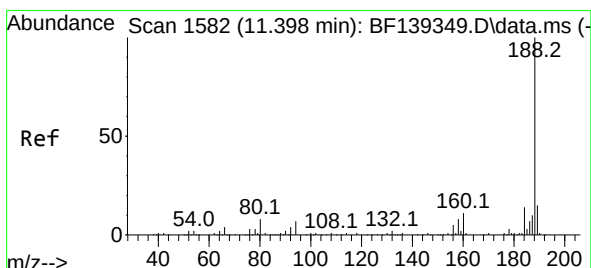
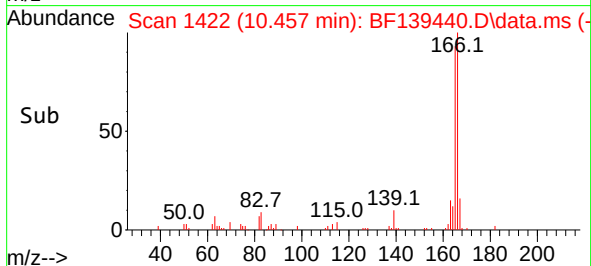
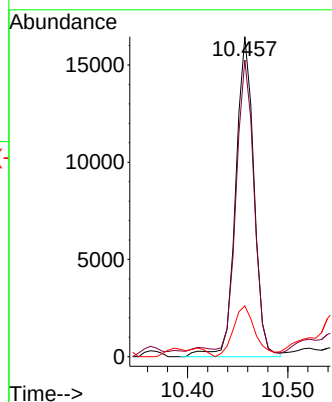
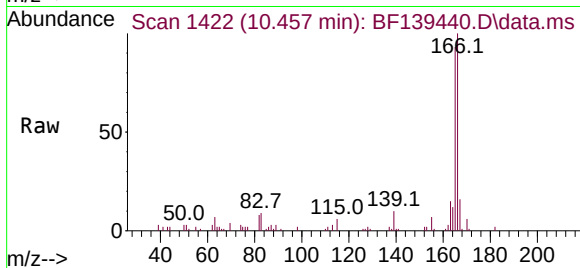
Tgt Ion:166 Resp: 20885

Ion Ratio Lower Upper

166 100

165 92.7 74.5 111.7

167 15.9 10.6 16.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.000 min

Lab File: BF139440.D

Acq: 18 Sep 2024 22:09

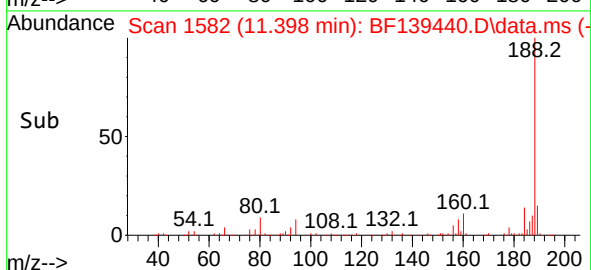
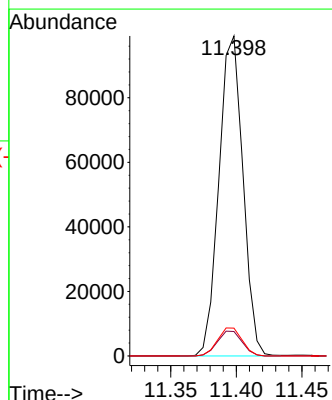
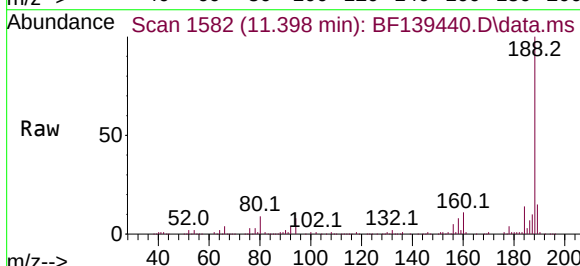
Tgt Ion:188 Resp: 126254

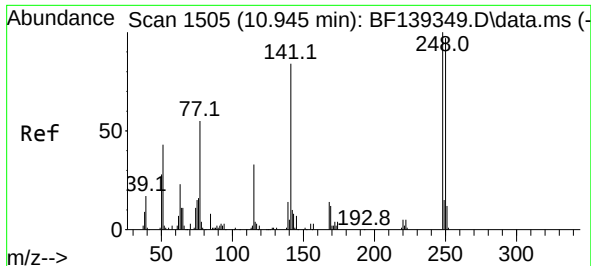
Ion Ratio Lower Upper

188 100

94 7.6 5.5 8.3

80 8.7 6.6 9.8

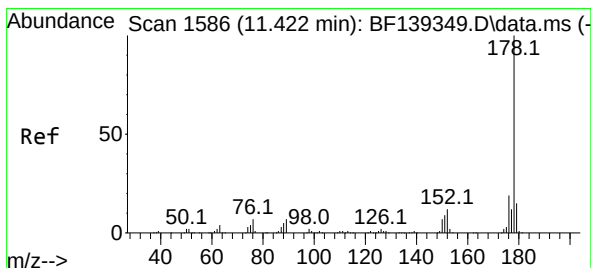
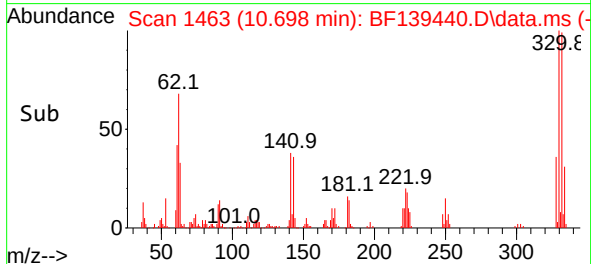
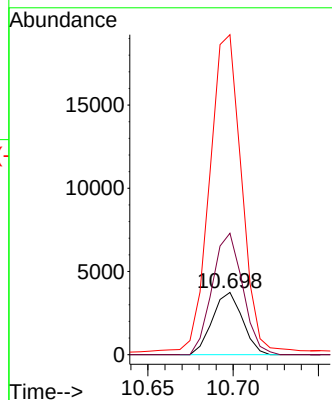
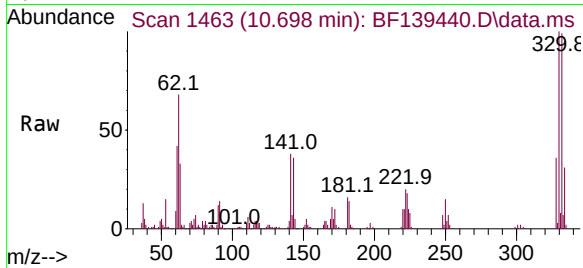




#67
4-Bromophenyl-phenylether
Concen: 3.669 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF139440.D
Acq: 18 Sep 2024 22:09

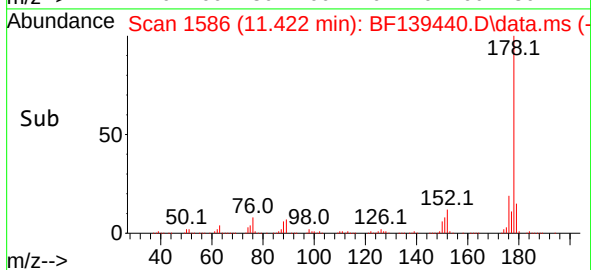
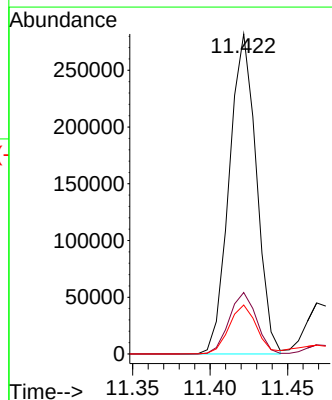
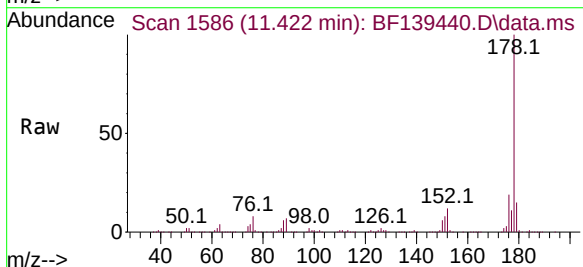
Instrument :
BNA_F
ClientSampleId :
NB-614-COMP-05

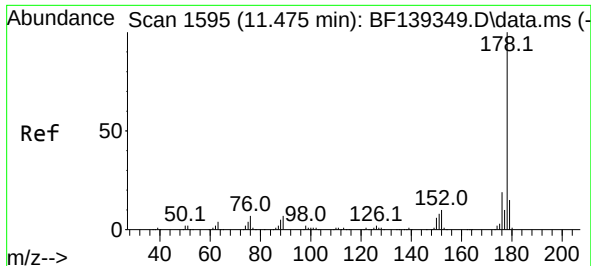
Tgt Ion:248 Resp: 4591
Ion Ratio Lower Upper
248 100
250 195.3 77.6 116.4#
141 514.4 66.9 100.3#



#71
Phenanthrene
Concen: 56.297 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF139440.D
Acq: 18 Sep 2024 22:09

Tgt Ion:178 Resp: 342916
Ion Ratio Lower Upper
178 100
176 19.2 15.2 22.8
179 15.3 12.2 18.4

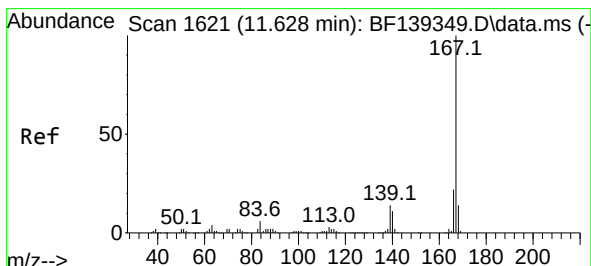
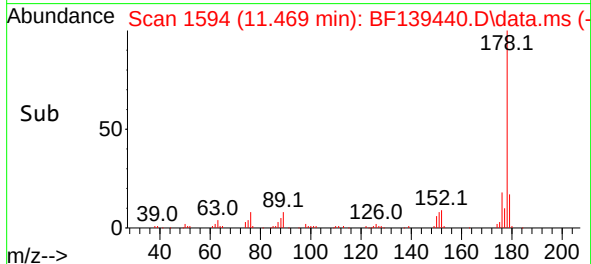
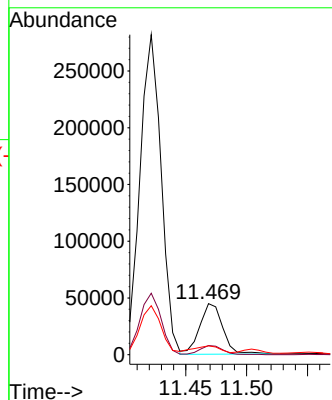
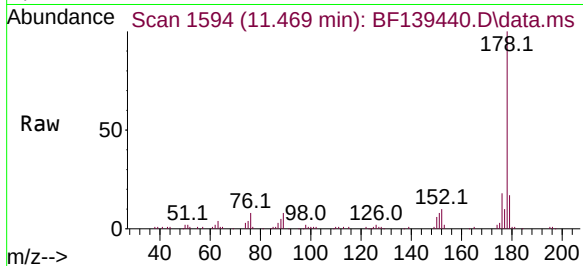




#72
 Anthracene
 Concen: 9.830 ng
 RT: 11.469 min Scan# 1594
 Delta R.T. -0.006 min
 Lab File: BF139440.D
 Acq: 18 Sep 2024 22:09

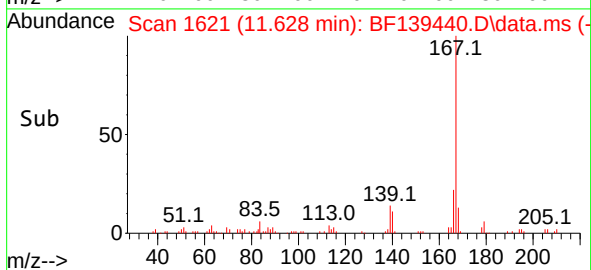
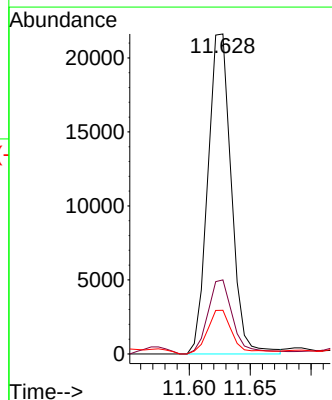
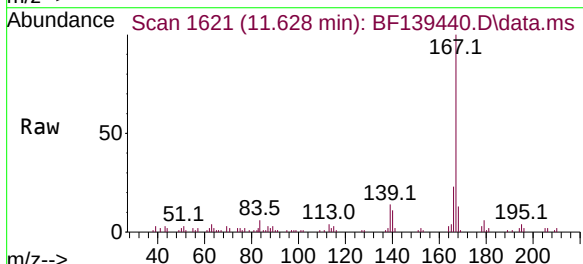
Instrument :
 BNA_F
 ClientSampleId :
 NB-614-COMP-05

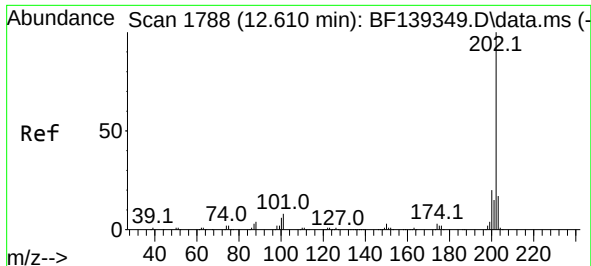
Tgt Ion:178 Resp: 58545
 Ion Ratio Lower Upper
 178 100
 176 17.8 15.0 22.6
 179 17.3 12.0 18.0



#73
 Carbazole
 Concen: 5.093 ng
 RT: 11.628 min Scan# 1621
 Delta R.T. -0.000 min
 Lab File: BF139440.D
 Acq: 18 Sep 2024 22:09

Tgt Ion:167 Resp: 29028
 Ion Ratio Lower Upper
 167 100
 166 23.1 17.5 26.3
 139 13.7 10.9 16.3

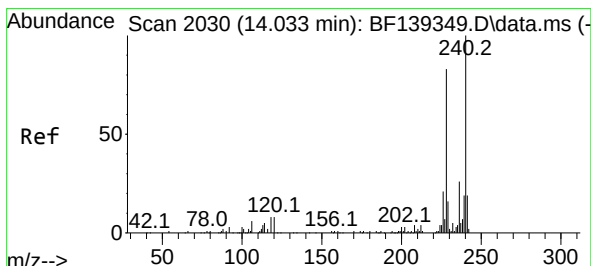
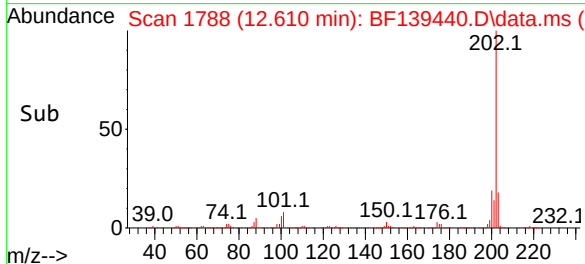
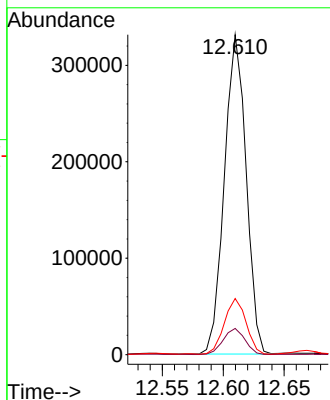
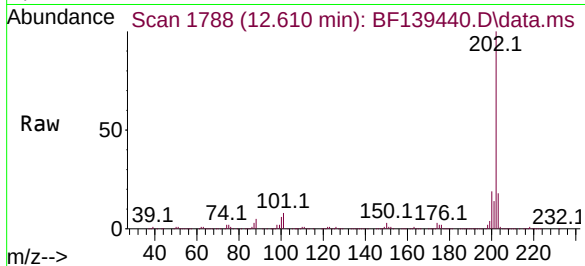




#75
Fluoranthene
Concen: 63.396 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139440.D
Acq: 18 Sep 2024 22:09

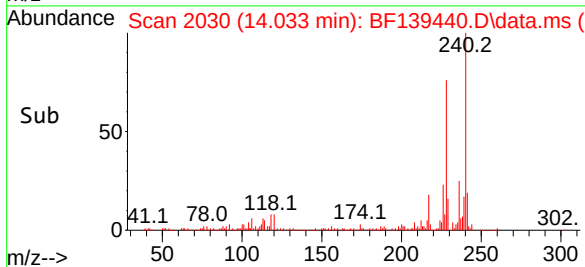
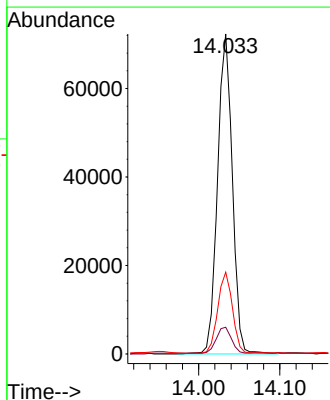
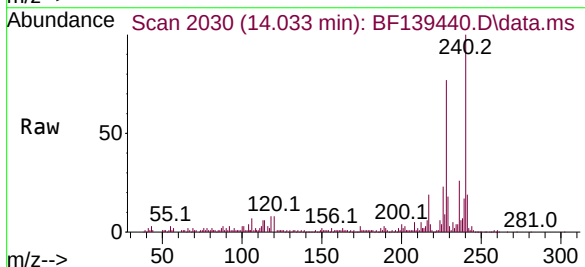
Instrument :
BNA_F
ClientSampleId :
NB-614-COMP-05

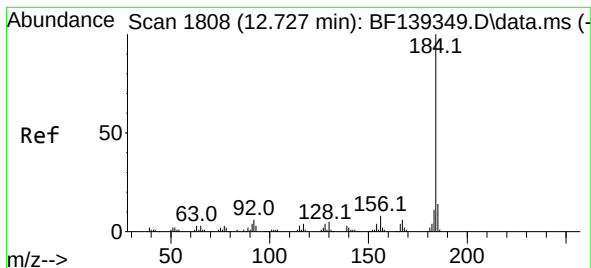
Tgt Ion:202 Resp: 412383
Ion Ratio Lower Upper
202 100
101 8.2 0.0 27.7
203 17.6 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF139440.D
Acq: 18 Sep 2024 22:09

Tgt Ion:240 Resp: 91775
Ion Ratio Lower Upper
240 100
120 8.4 6.2 9.2
236 25.5 20.9 31.3





#77

Benzidine

Concen: 3.562 ng

RT: 12.980 min Scan# 1851

Delta R.T. 0.253 min

Lab File: BF139440.D

Acq: 18 Sep 2024 22:09

Instrument :

BNA_F

ClientSampleId :

NB-614-COMP-05

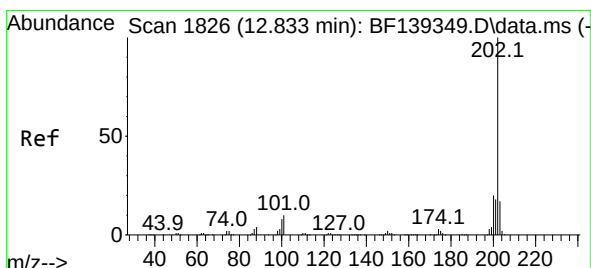
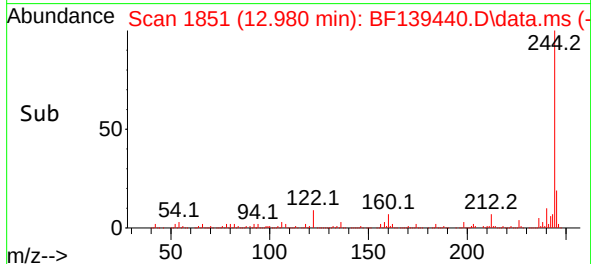
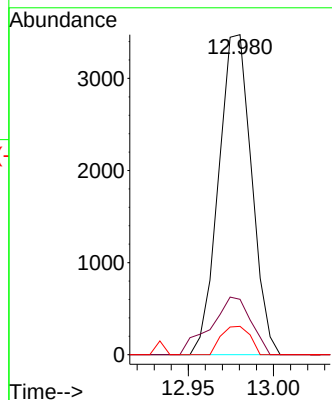
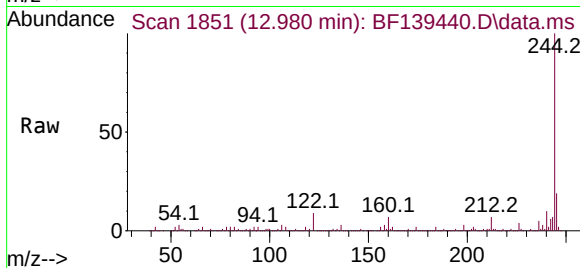
Tgt Ion:184 Resp: 4684

Ion Ratio Lower Upper

184 100

185 17.3 11.5 17.3#

183 8.8 8.9 13.3#



#78

Pyrene

Concen: 47.598 ng

RT: 12.839 min Scan# 1827

Delta R.T. 0.006 min

Lab File: BF139440.D

Acq: 18 Sep 2024 22:09

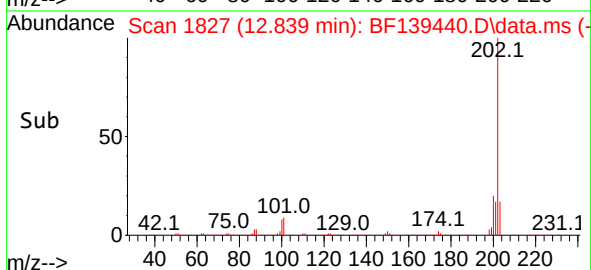
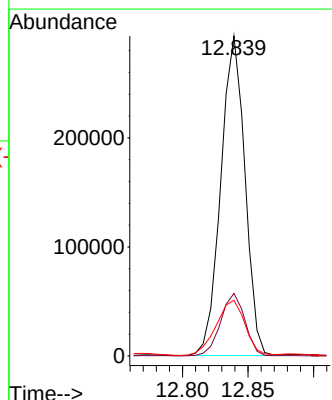
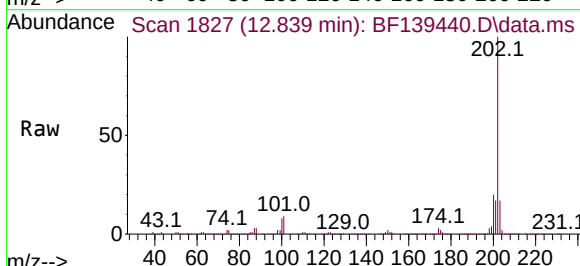
Tgt Ion:202 Resp: 375076

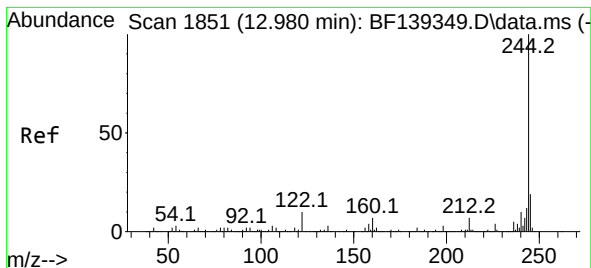
Ion Ratio Lower Upper

202 100

200 19.6 16.2 24.2

203 17.4 13.9 20.9





#79

Terphenyl-d14

Concen: 50.064 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.000 min

Lab File: BF139440.D

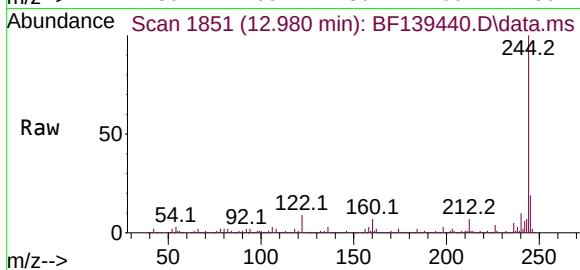
Acq: 18 Sep 2024 22:09

Instrument :

BNA_F

ClientSampleId :

NB-614-COMP-05



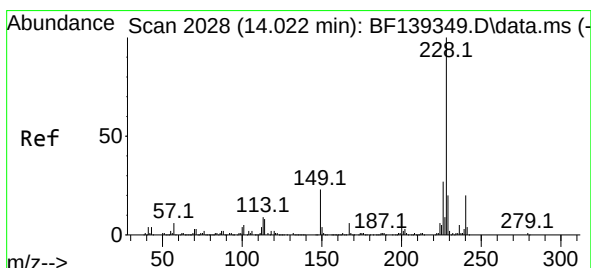
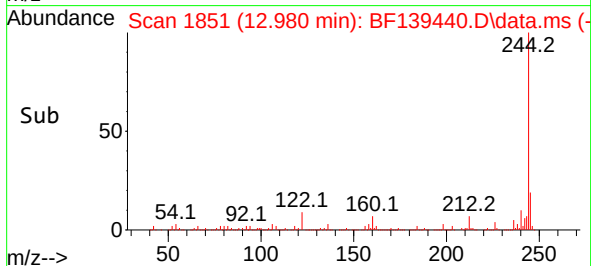
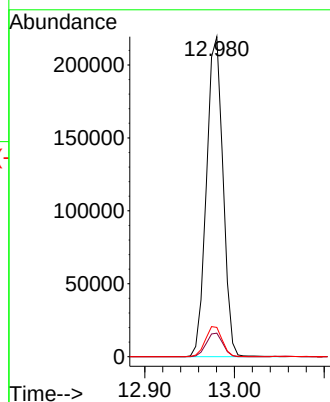
Tgt Ion:244 Resp: 279924

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

122 9.1 7.6 11.4



#81

Benzo(a)anthracene

Concen: 25.580 ng

RT: 14.021 min Scan# 2028

Delta R.T. -0.000 min

Lab File: BF139440.D

Acq: 18 Sep 2024 22:09

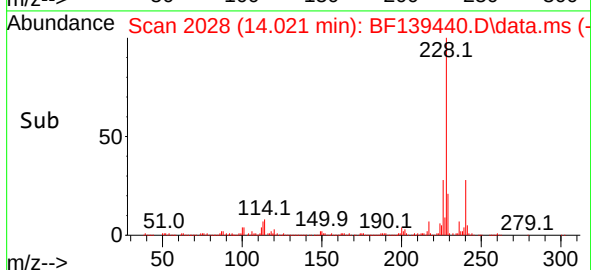
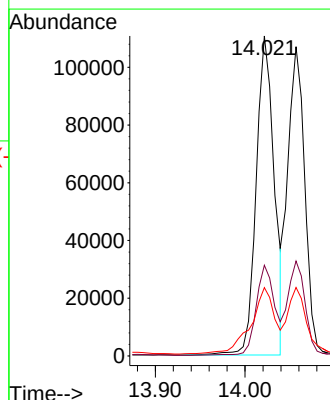
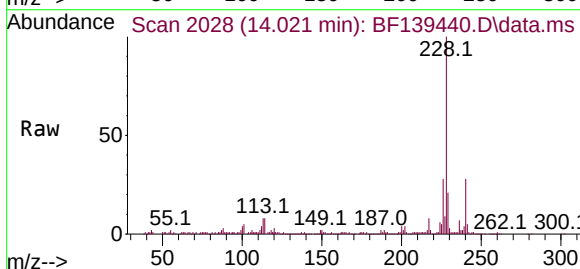
Tgt Ion:228 Resp: 155502

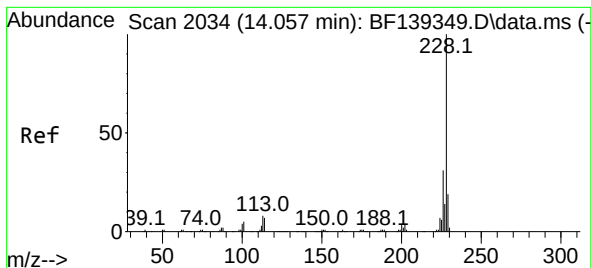
Ion Ratio Lower Upper

228 100

226 28.3 21.6 32.4

229 21.3 15.7 23.5





#83

Chrysene

Concen: 24.998 ng

RT: 14.057 min Scan# 2034

Delta R.T. -0.000 min

Lab File: BF139440.D

Acq: 18 Sep 2024 22:09

Instrument :

BNA_F

ClientSampleId :

NB-614-COMP-05

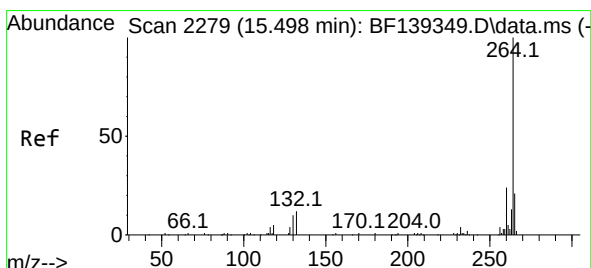
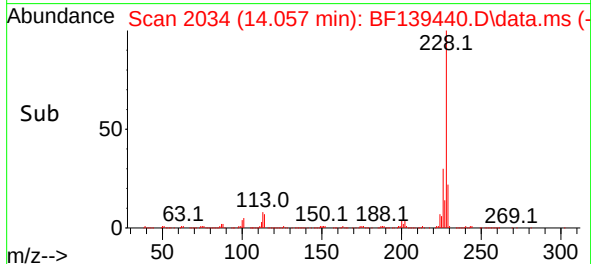
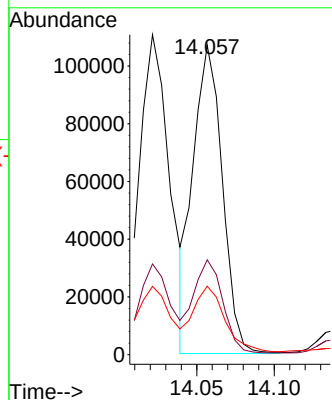
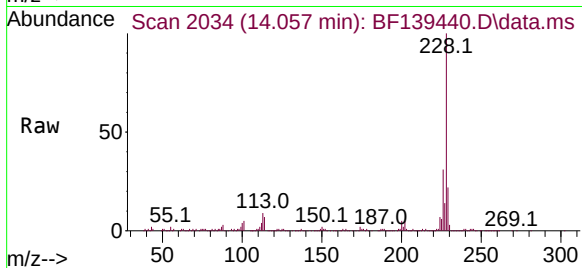
Tgt Ion:228 Resp: 139809

Ion Ratio Lower Upper

228 100

226 30.7 24.1 36.1

229 22.1 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: BF139440.D

Acq: 18 Sep 2024 22:09

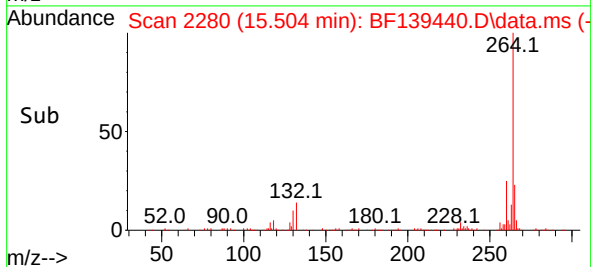
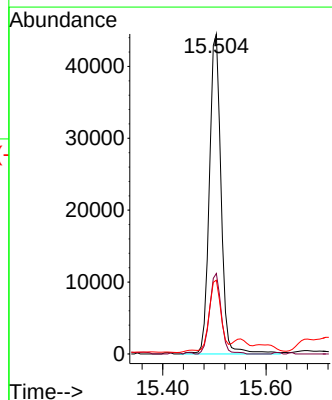
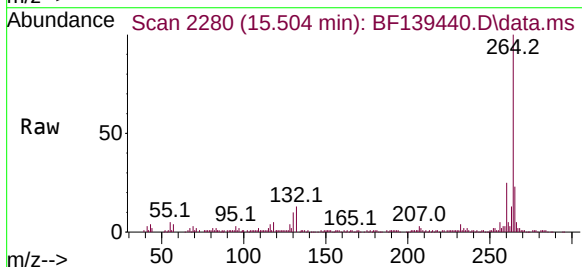
Tgt Ion:264 Resp: 69926

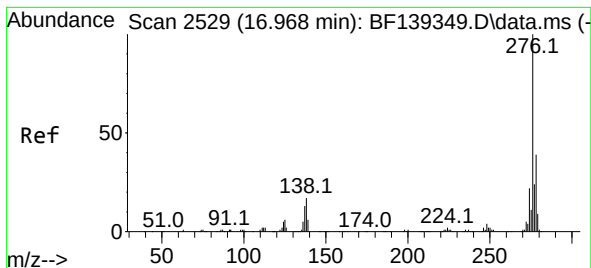
Ion Ratio Lower Upper

264 100

260 25.2 19.5 29.3

265 23.1 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.699 ng

RT: 16.962 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139440.D

Acq: 18 Sep 2024 22:09

Instrument :

BNA_F

ClientSampleId :

NB-614-COMP-05

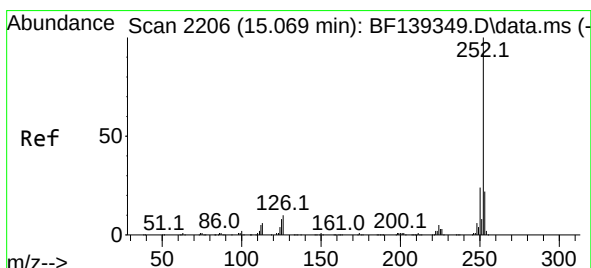
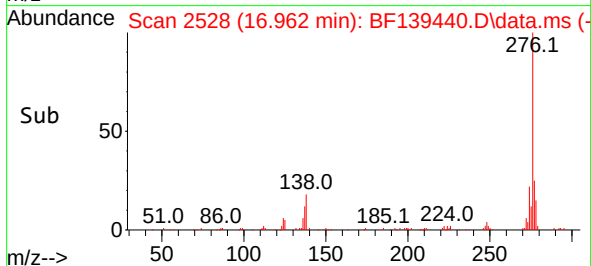
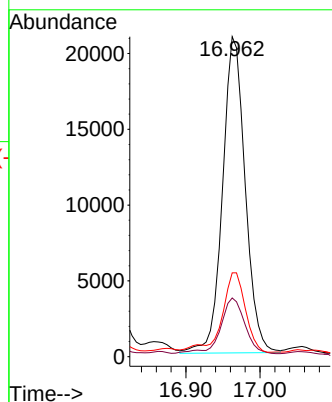
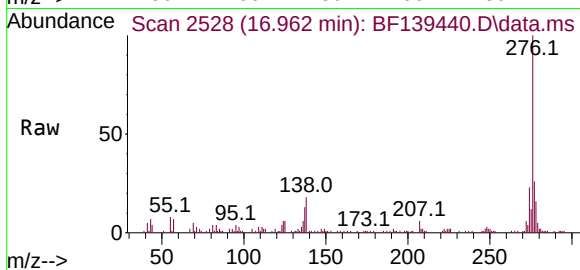
Tgt Ion:276 Resp: 44486

Ion Ratio Lower Upper

276 100

138 20.4 15.4 23.2

277 26.1 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 40.245 ng

RT: 15.074 min Scan# 2207

Delta R.T. 0.006 min

Lab File: BF139440.D

Acq: 18 Sep 2024 22:09

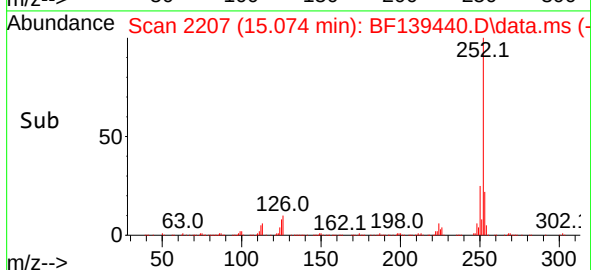
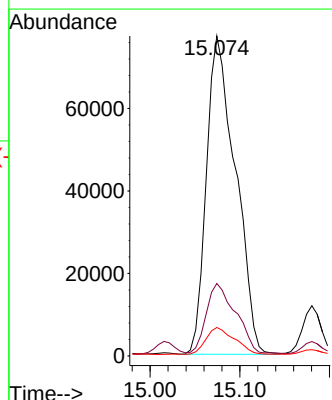
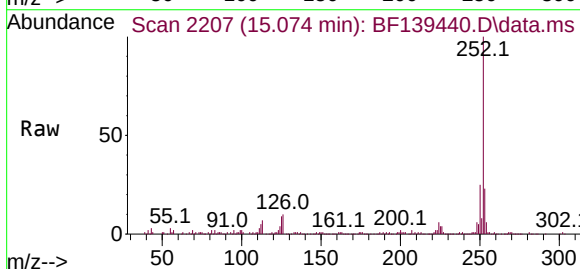
Tgt Ion:252 Resp: 173559

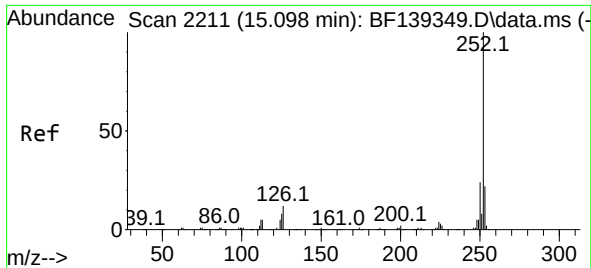
Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

125 8.9 6.2 9.2

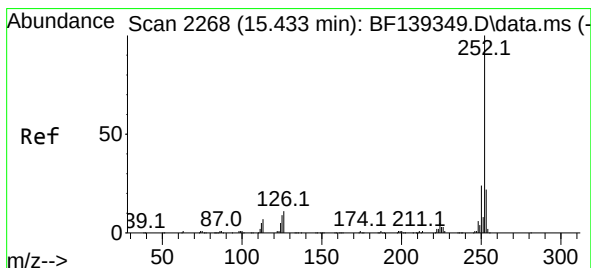
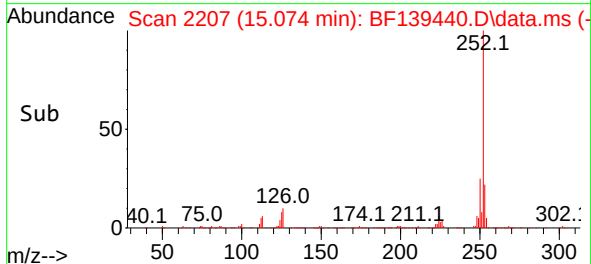
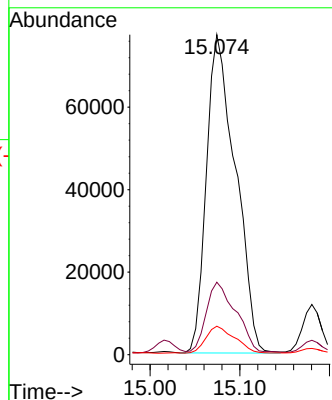
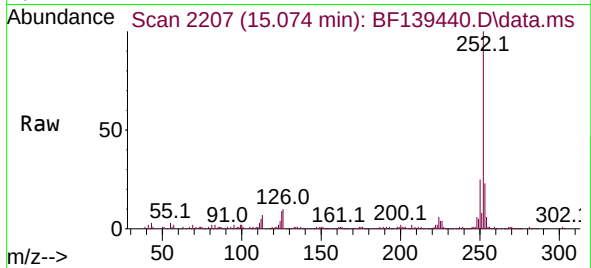




#89
Benzo(k)fluoranthene
Concen: 43.648 ng
RT: 15.074 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF139440.D
Acq: 18 Sep 2024 22:09

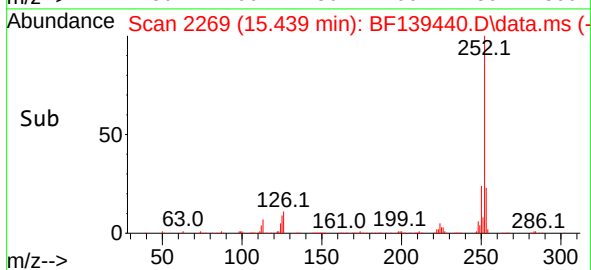
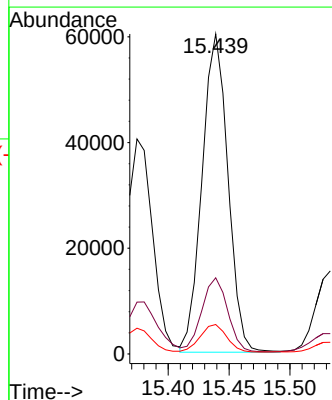
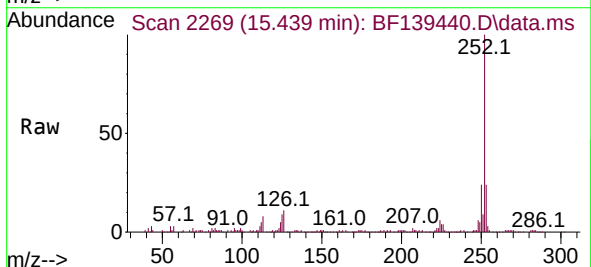
Instrument :
BNA_F
ClientSampleId :
NB-614-COMP-05

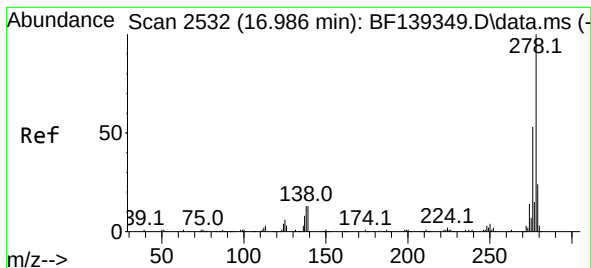
Tgt Ion:252 Resp: 173559
Ion Ratio Lower Upper
252 100
253 22.7 17.3 25.9
125 8.9 5.9 8.9#



#90
Benzo(a)pyrene
Concen: 24.954 ng
RT: 15.439 min Scan# 2269
Delta R.T. 0.006 min
Lab File: BF139440.D
Acq: 18 Sep 2024 22:09

Tgt Ion:252 Resp: 89252
Ion Ratio Lower Upper
252 100
253 23.8 17.3 25.9
125 9.2 6.8 10.2





#91

Dibenzo(a,h)anthracene

Concen: 3.307 ng

RT: 16.980 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139440.D

Acq: 18 Sep 2024 22:09

Instrument :

BNA_F

ClientSampleId :

NB-614-COMP-05

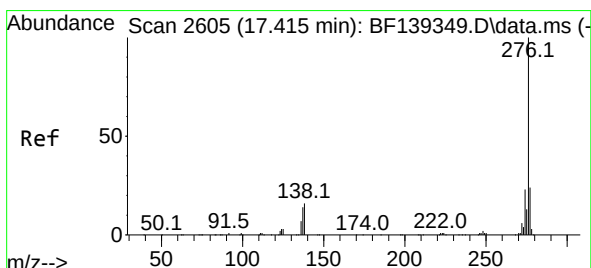
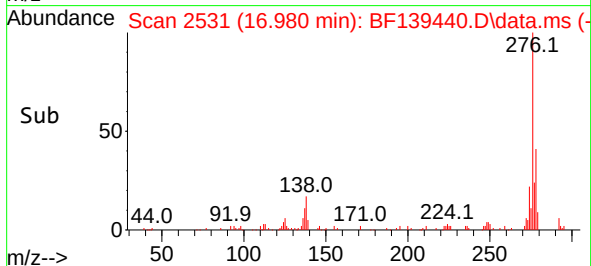
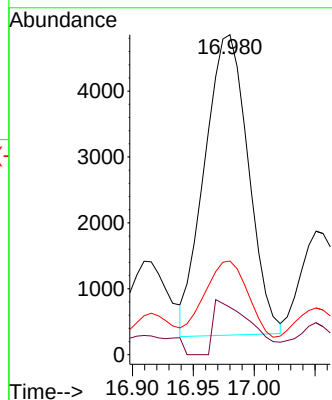
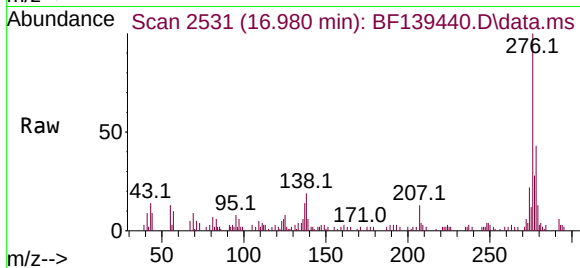
Tgt Ion:278 Resp: 11363

Ion Ratio Lower Upper

278 100

139 14.8 10.2 15.2

279 29.3 18.9 28.3#



#92

Benzo(g,h,i)perylene

Concen: 12.688 ng

RT: 17.409 min Scan# 2604

Delta R.T. -0.006 min

Lab File: BF139440.D

Acq: 18 Sep 2024 22:09

Tgt Ion:276 Resp: 43163

Ion Ratio Lower Upper

276 100

277 23.6 18.9 28.3

138 17.0 13.0 19.6

