

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031425\
 Data File : BF141968.D
 Acq On : 14 Mar 2025 16:37
 Operator : RC/JU
 Sample : Q1552-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-418-JB-COMP-01

Quant Time: Mar 14 16:59:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

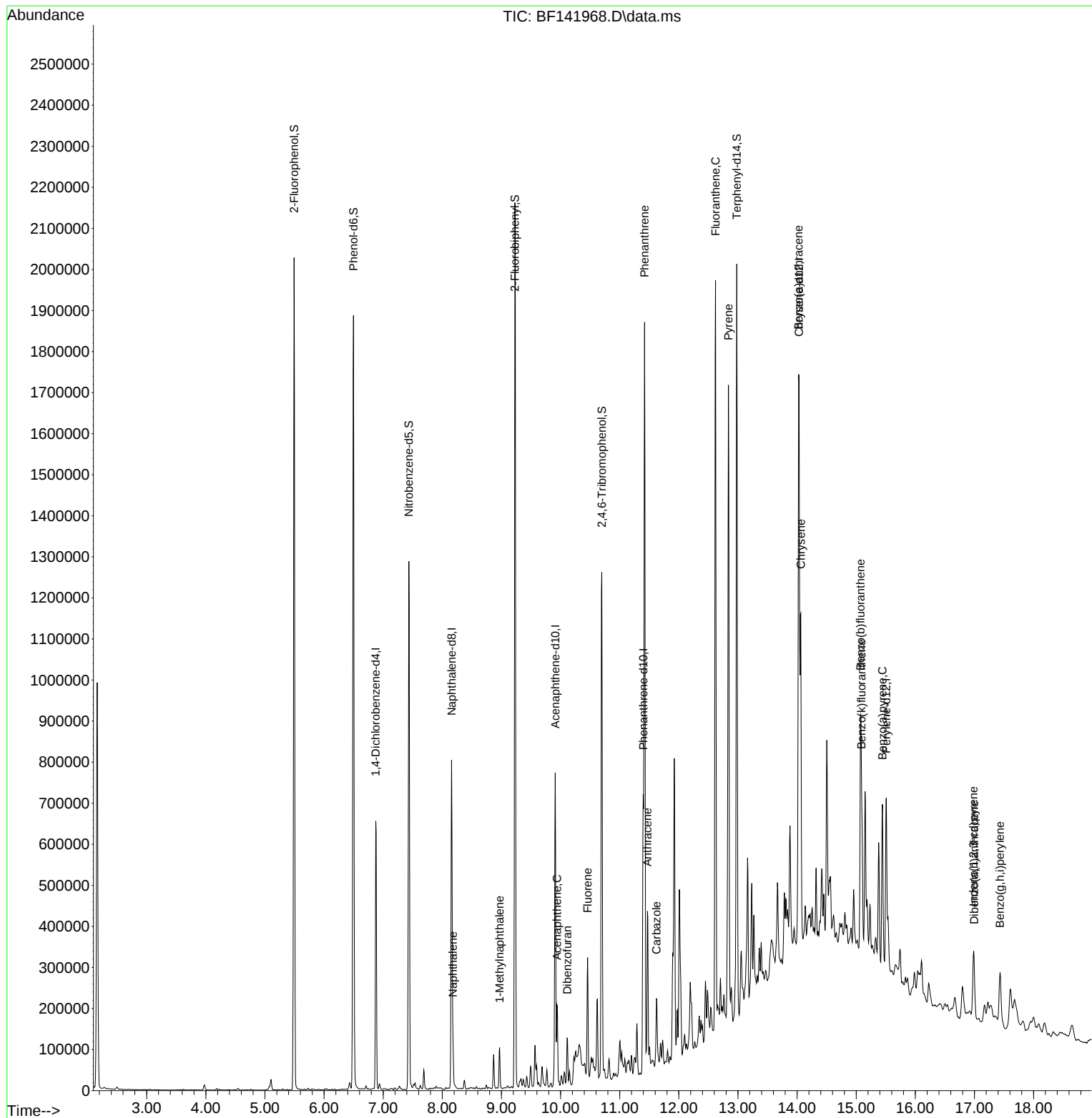
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	141490	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	500908	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	218896	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	333092	20.000	ng	0.00
76) Chrysene-d12	14.033	240	343760	20.000	ng	0.00
86) Perylene-d12	15.509	264	256569	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	761430	89.815	ng	0.00
7) Phenol-d6	6.498	99	920387	85.268	ng	0.00
23) Nitrobenzene-d5	7.433	82	575730	64.682	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	215063	77.445	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	942459	65.479	ng	-0.01
79) Terphenyl-d14	12.980	244	888346	38.206	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.180	128	57953	2.252	ng	98
38) 1-Methylnaphthalene	8.969	142	37445	2.256	ng	98
52) Acenaphthene	9.939	154	60245	4.660	ng	98
55) Dibenzofuran	10.116	168	48292	2.614	ng	96
58) Fluorene	10.457	166	106146	7.451	ng	99
71) Phenanthrene	11.421	178	971105	53.976	ng	99
72) Anthracene	11.469	178	231049	12.800	ng	98
73) Carbazole	11.621	167	85809	5.512	ng	99
75) Fluoranthene	12.621	202	1024227	53.668	ng	99
78) Pyrene	12.839	202	886019	29.797	ng	98
81) Benzo(a)anthracene	14.027	228	550325	24.396	ng	99
83) Chrysene	14.062	228	416081	20.348	ng	97
87) Indeno(1,2,3-cd)pyrene	16.986	276	124615	7.508	ng	95
88) Benzo(b)fluoranthene	15.074	252	389760m	22.165	ng	
89) Benzo(k)fluoranthene	15.092	252	133086m	8.844	ng	
90) Benzo(a)pyrene	15.445	252	252939	18.384	ng	98
91) Dibenzo(a,h)anthracene	16.998	278	38412	2.805	ng	# 91
92) Benzo(g,h,i)perylene	17.433	276	114584	8.467	ng	98

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

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
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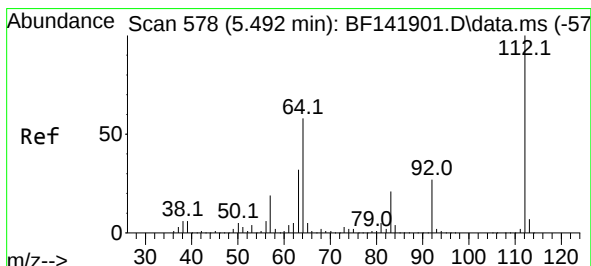
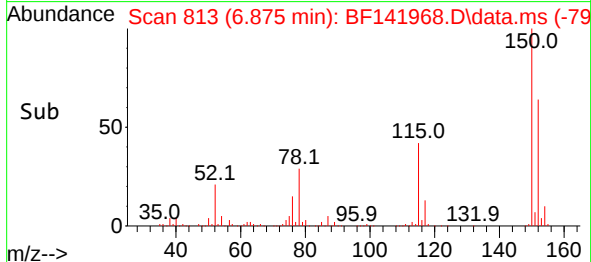
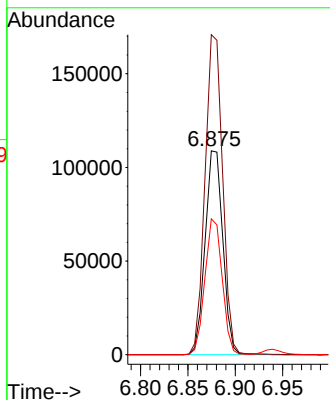
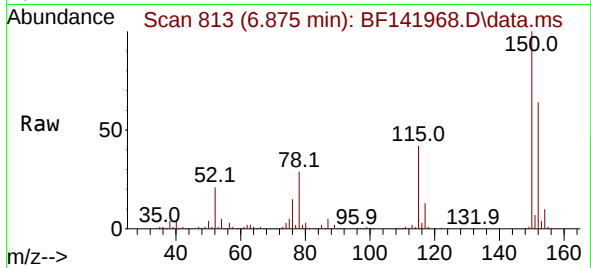




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 814
 Delta R.T. -0.006 min
 Lab File: BF141968.D
 Acq: 14 Mar 2025 16:37

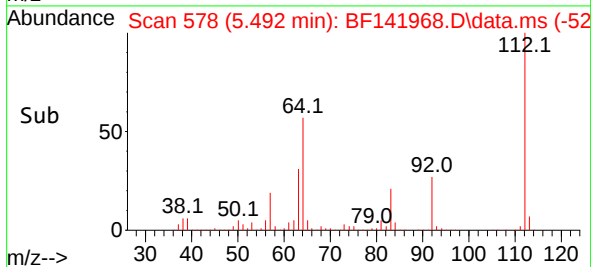
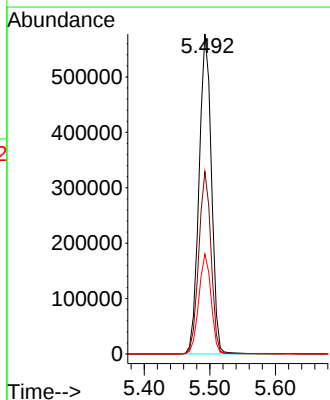
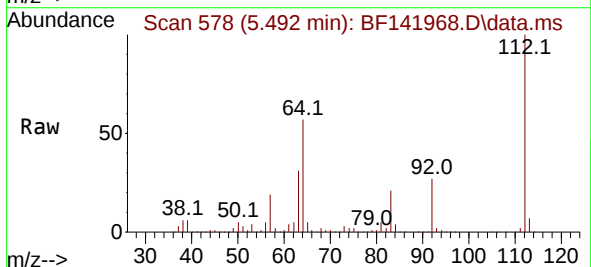
Instrument :
 BNA_F
 ClientSampleId :
 NB-418-JB-COMP-01

Tgt Ion:152 Resp: 141490
 Ion Ratio Lower Upper
 152 100
 150 157.0 127.4 191.2
 115 66.7 51.9 77.9



#5
 2-Fluorophenol
 Concen: 89.815 ng
 RT: 5.492 min Scan# 578
 Delta R.T. -0.000 min
 Lab File: BF141968.D
 Acq: 14 Mar 2025 16:37

Tgt Ion:112 Resp: 761430
 Ion Ratio Lower Upper
 112 100
 64 57.0 46.5 69.7
 63 31.2 25.4 38.2





#7

Phenol-d6

Concen: 85.268 ng

RT: 6.498 min Scan# 74

Delta R.T. -0.006 min

Lab File: BF141968.D

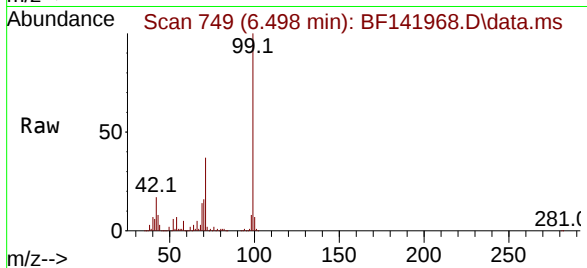
Acq: 14 Mar 2025 16:37

Instrument :

BNA_F

ClientSampleId :

NB-418-JB-COMP-01



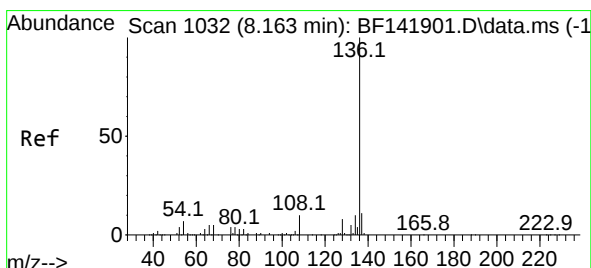
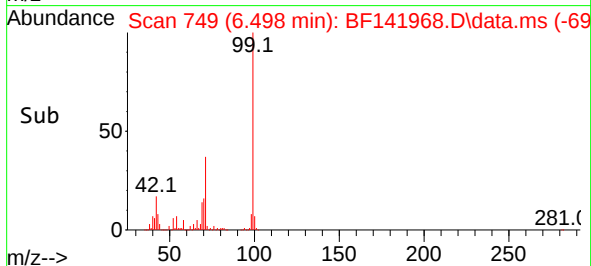
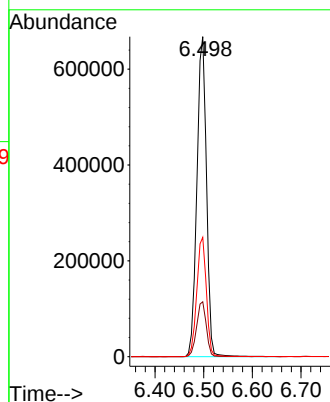
Tgt Ion: 99 Resp: 920387

Ion Ratio Lower Upper

99 100

42 17.2 14.6 21.8

71 37.3 30.8 46.2



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1031

Delta R.T. -0.006 min

Lab File: BF141968.D

Acq: 14 Mar 2025 16:37

Tgt Ion: 136 Resp: 500908

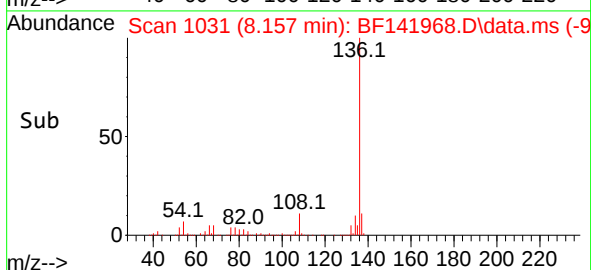
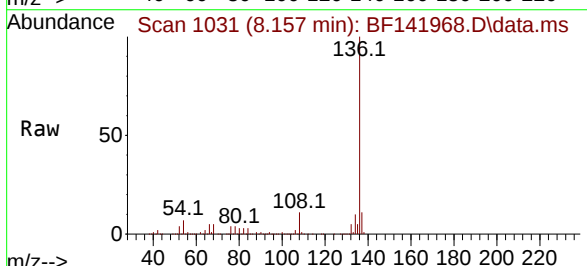
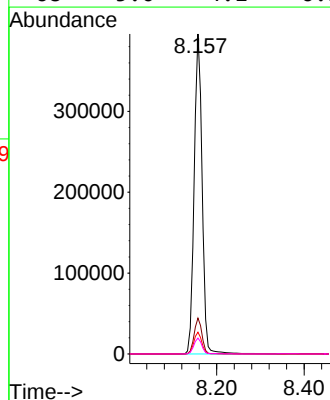
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 6.8 5.8 8.8

68 5.0 4.1 6.1

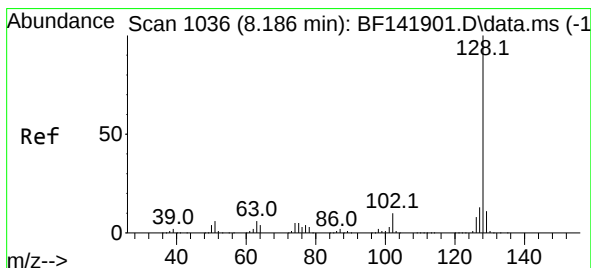
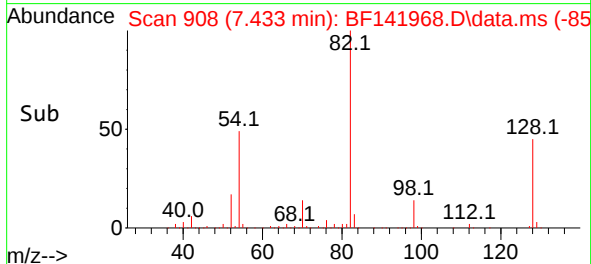
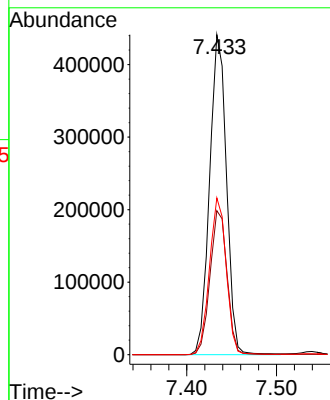
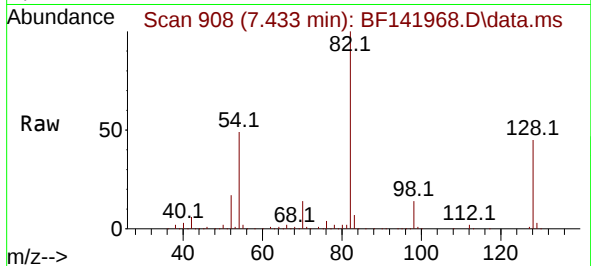




#23
 Nitrobenzene-d5
 Concen: 64.682 ng
 RT: 7.433 min Scan# 90
 Delta R.T. -0.012 min
 Lab File: BF141968.D
 Acq: 14 Mar 2025 16:37

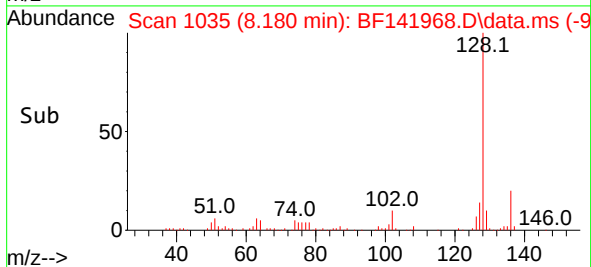
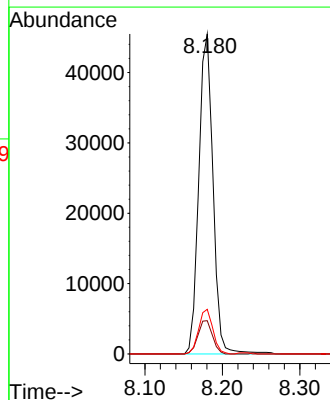
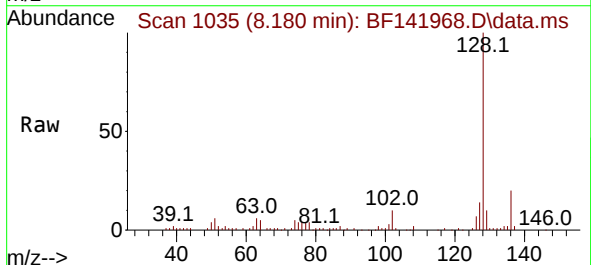
Instrument :
 BNA_F
 ClientSampleId :
 NB-418-JB-COMP-01

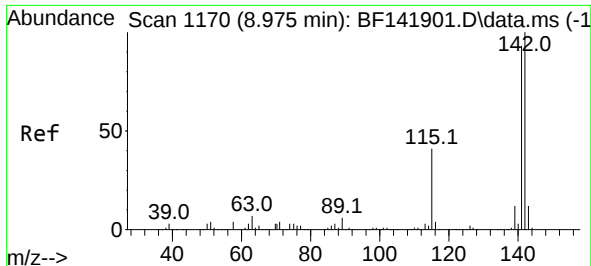
Tgt Ion: 82 Resp: 575730
 Ion Ratio Lower Upper
 82 100
 128 45.0 36.0 54.0
 54 49.0 39.6 59.4



#31
 Naphthalene
 Concen: 2.252 ng
 RT: 8.180 min Scan# 1035
 Delta R.T. -0.006 min
 Lab File: BF141968.D
 Acq: 14 Mar 2025 16:37

Tgt Ion: 128 Resp: 57953
 Ion Ratio Lower Upper
 128 100
 129 10.4 9.0 13.6
 127 14.0 10.8 16.2

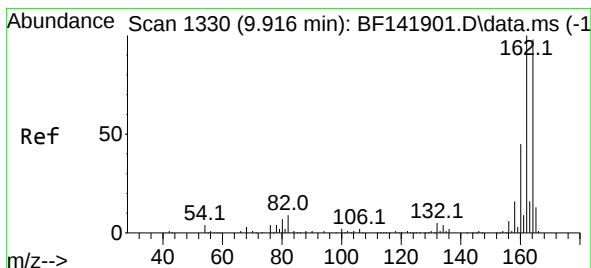
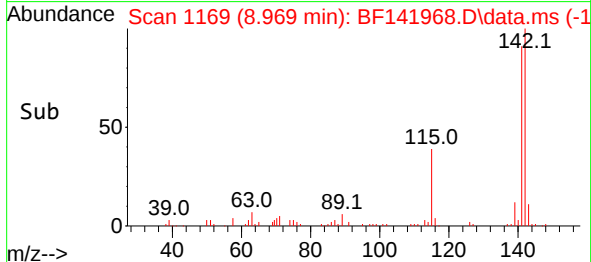
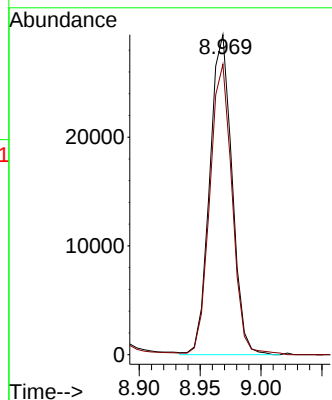
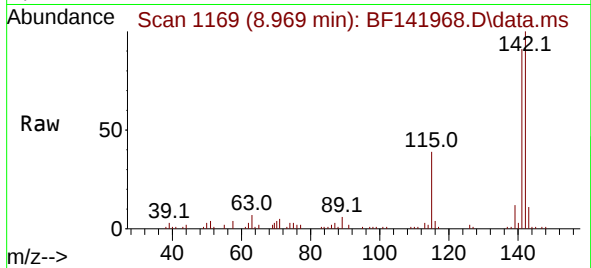




#38
1-Methylnaphthalene
Concen: 2.256 ng
RT: 8.969 min Scan# 1170
Delta R.T. -0.006 min
Lab File: BF141968.D
Acq: 14 Mar 2025 16:37

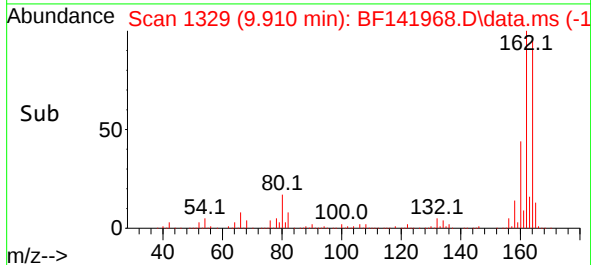
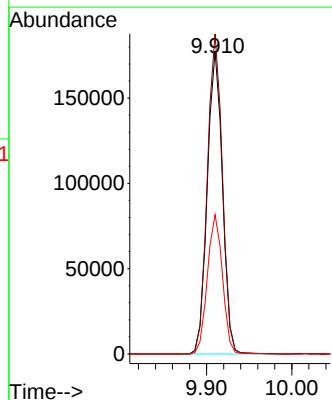
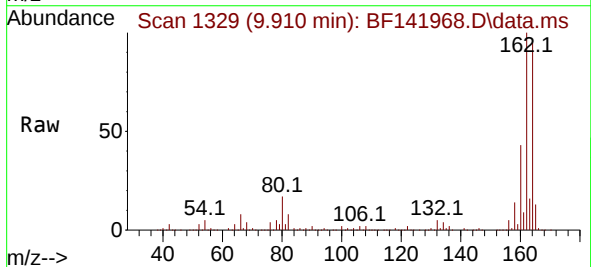
Instrument :
BNA_F
ClientSampleId :
NB-418-JB-COMP-01

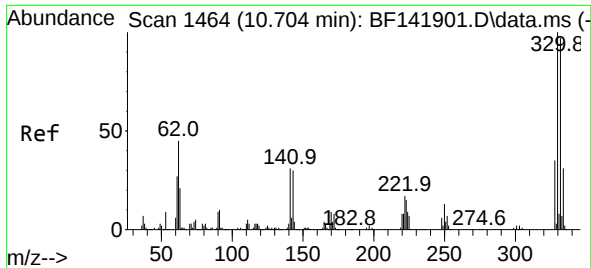
Tgt Ion:142 Resp: 37445
Ion Ratio Lower Upper
142 100
141 90.7 74.2 111.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF141968.D
Acq: 14 Mar 2025 16:37

Tgt Ion:164 Resp: 218896
Ion Ratio Lower Upper
164 100
162 105.7 81.8 122.6
160 46.0 36.7 55.1

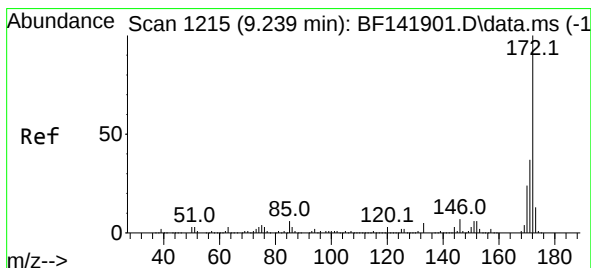
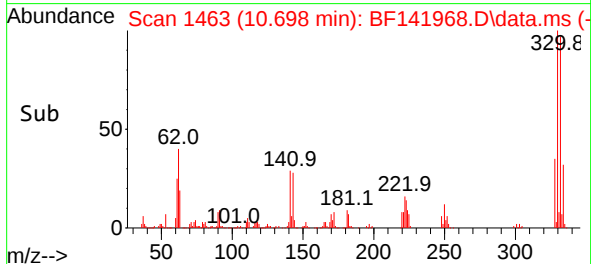
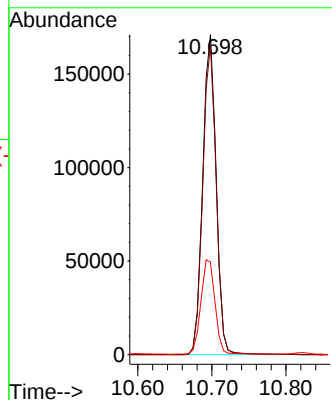
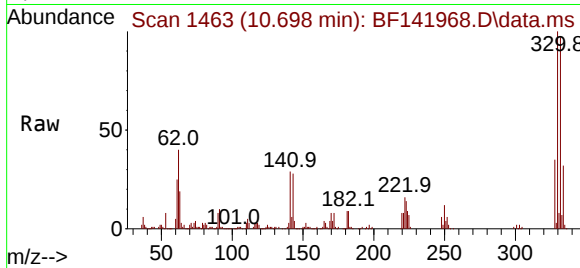




#42
2,4,6-Tribromophenol
Concen: 77.445 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF141968.D
Acq: 14 Mar 2025 16:37

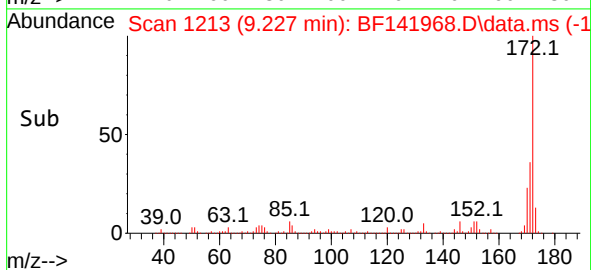
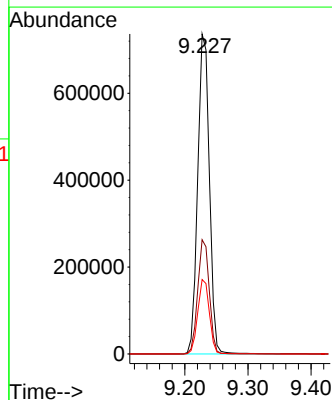
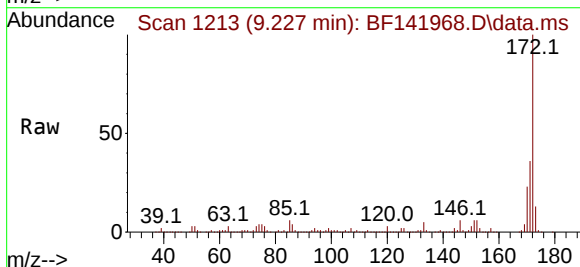
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NB-418-JB-COMP-01

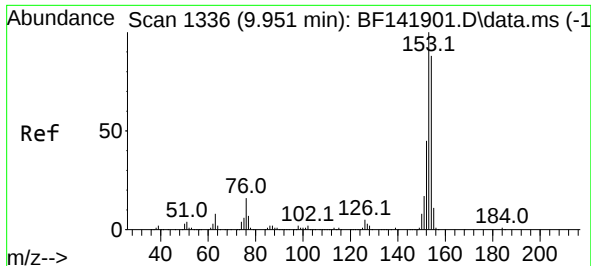
Tgt Ion:330 Resp: 215063
Ion Ratio Lower Upper
330 100
332 96.6 77.6 116.4
141 30.9 24.7 37.1



#45
2-Fluorobiphenyl
Concen: 65.479 ng
RT: 9.227 min Scan# 1213
Delta R.T. -0.012 min
Lab File: BF141968.D
Acq: 14 Mar 2025 16:37

Tgt Ion:172 Resp: 942459
Ion Ratio Lower Upper
172 100
171 35.7 29.3 43.9
170 23.3 19.4 29.0

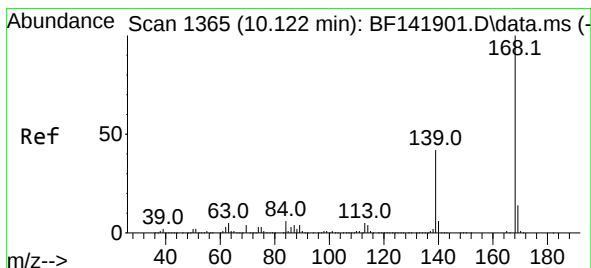
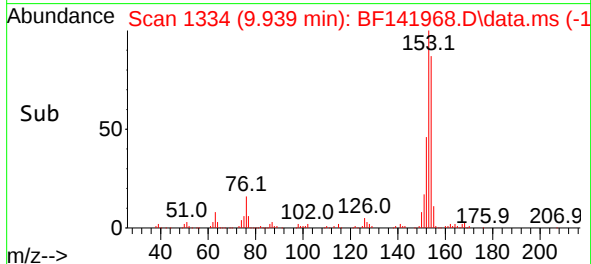
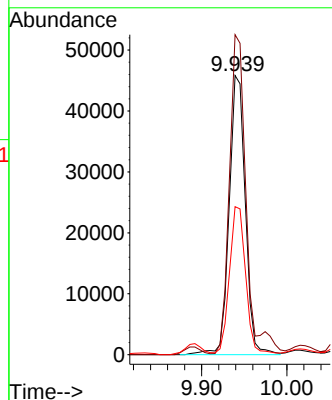
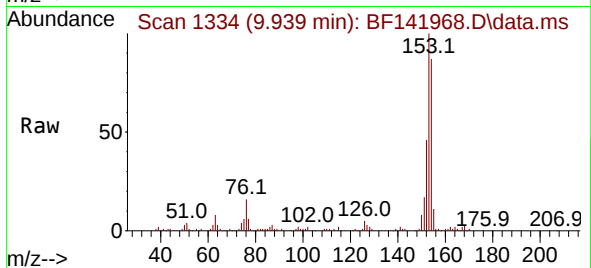




#52
Acenaphthene
Concen: 4.660 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141968.D
Acq: 14 Mar 2025 16:37

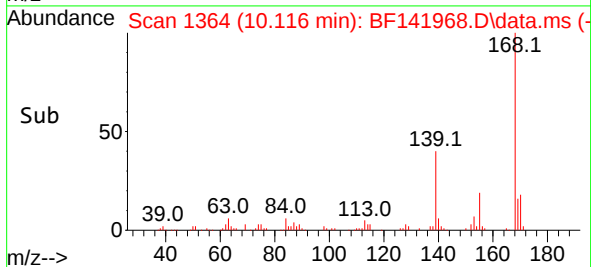
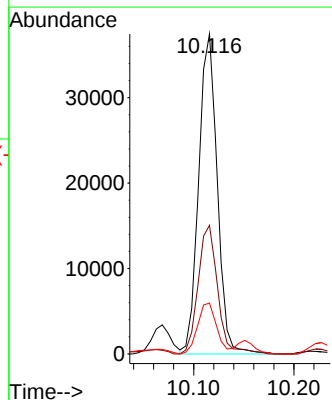
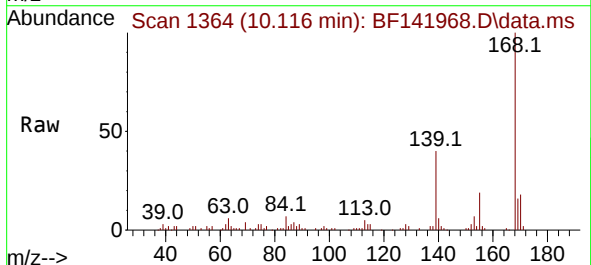
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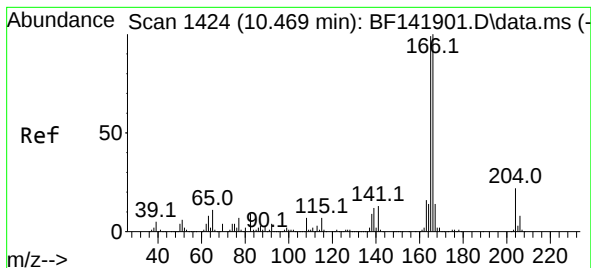
Tgt Ion:154 Resp: 60245
Ion Ratio Lower Upper
154 100
153 114.6 90.7 136.1
152 53.0 41.1 61.7



#55
Dibenzofuran
Concen: 2.614 ng
RT: 10.116 min Scan# 1364
Delta R.T. -0.006 min
Lab File: BF141968.D
Acq: 14 Mar 2025 16:37

Tgt Ion:168 Resp: 48292
Ion Ratio Lower Upper
168 100
139 40.2 33.9 50.9
169 15.9 11.0 16.4





#58

Fluorene

Concen: 7.451 ng

RT: 10.457 min Scan# 14

Delta R.T. -0.012 min

Lab File: BF141968.D

Acq: 14 Mar 2025 16:37

Instrument :

BNA_F

ClientSampleId :

NB-418-JB-COMP-01

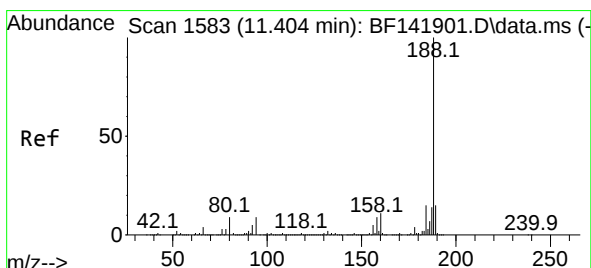
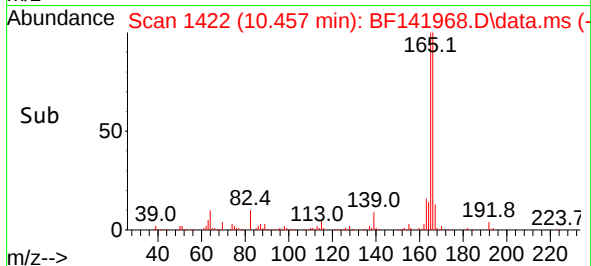
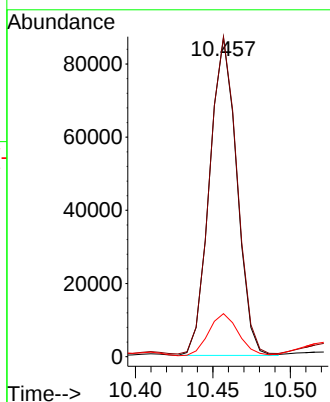
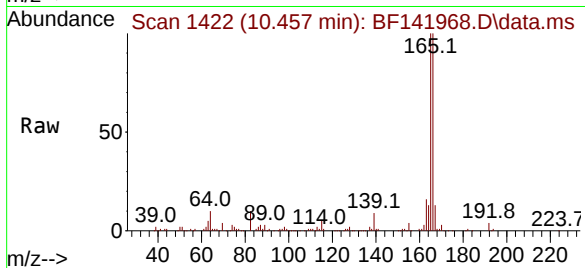
Tgt Ion:166 Resp: 106146

Ion Ratio Lower Upper

166 100

165 100.3 79.0 118.4

167 13.5 11.0 16.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.006 min

Lab File: BF141968.D

Acq: 14 Mar 2025 16:37

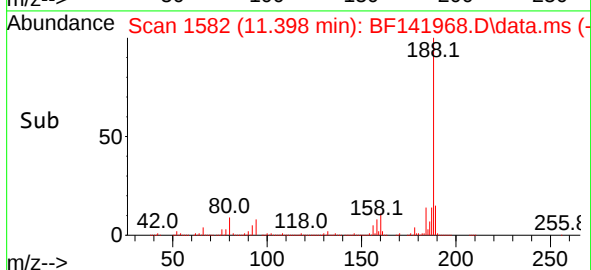
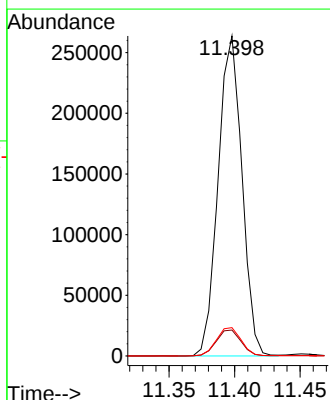
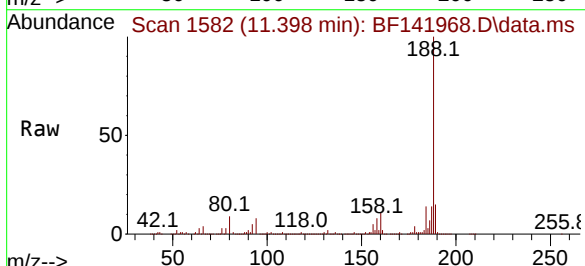
Tgt Ion:188 Resp: 333092

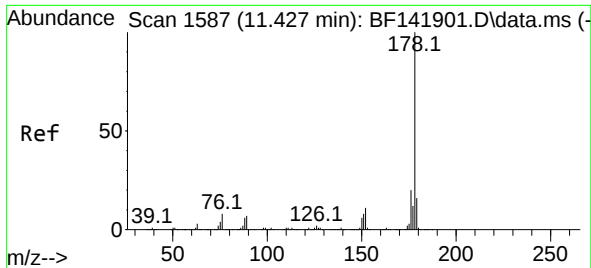
Ion Ratio Lower Upper

188 100

94 8.1 6.8 10.2

80 8.9 7.6 11.4

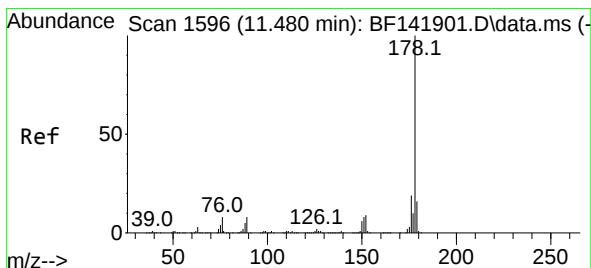
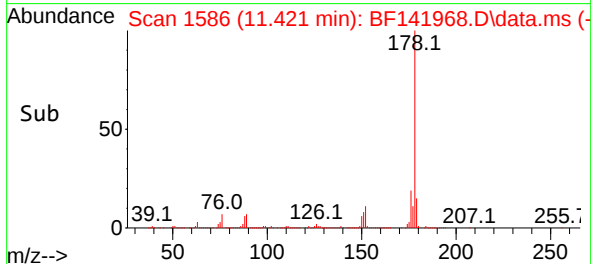
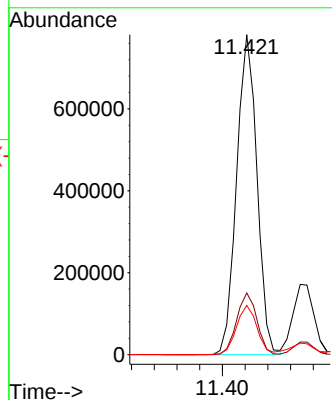
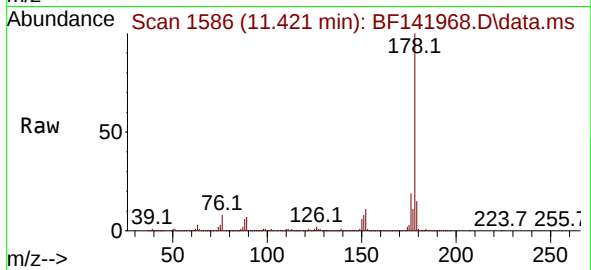




#71
Phenanthrene
Concen: 53.976 ng
RT: 11.421 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141968.D
Acq: 14 Mar 2025 16:37

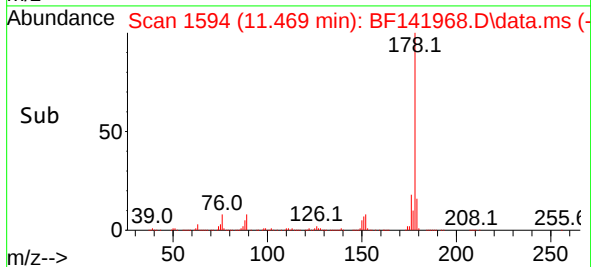
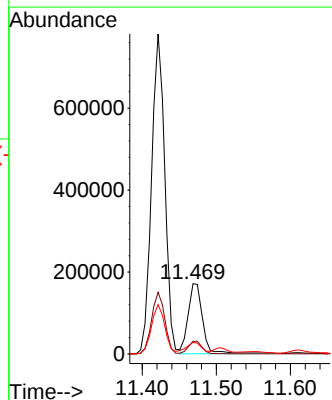
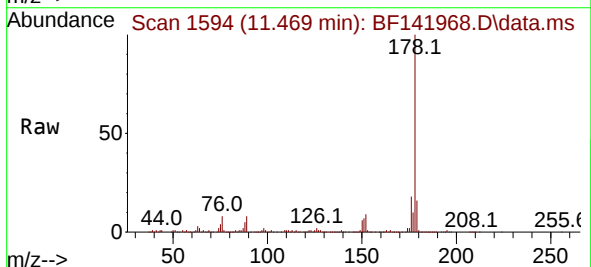
Instrument :
BNA_F
ClientSampleId :
NB-418-JB-COMP-01

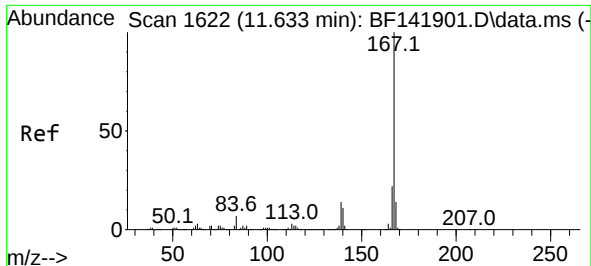
Tgt Ion:178 Resp: 971105
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 15.4 12.6 19.0



#72
Anthracene
Concen: 12.800 ng
RT: 11.469 min Scan# 1594
Delta R.T. -0.012 min
Lab File: BF141968.D
Acq: 14 Mar 2025 16:37

Tgt Ion:178 Resp: 231049
Ion Ratio Lower Upper
178 100
176 18.1 15.1 22.7
179 16.4 12.6 19.0

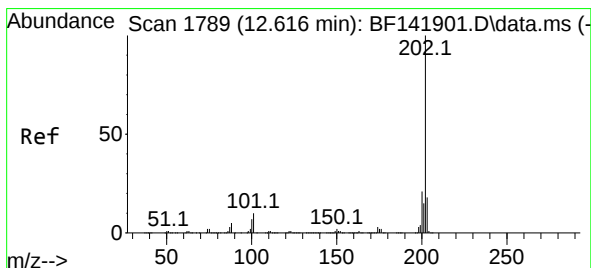
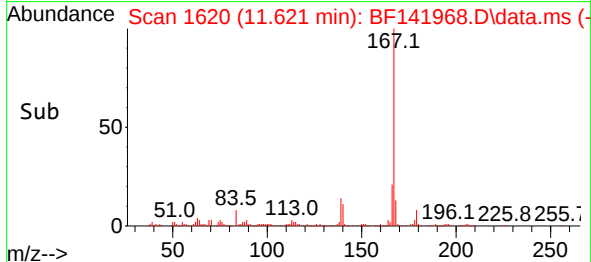
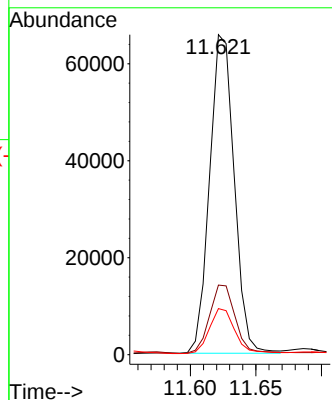
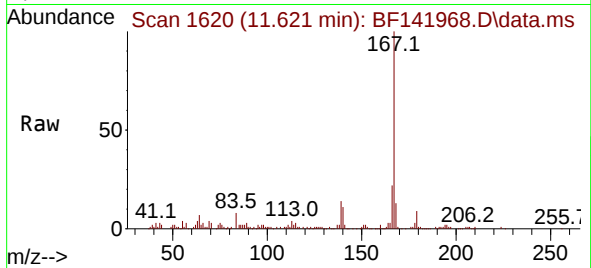




#73
 Carbazole
 Concen: 5.512 ng
 RT: 11.621 min Scan# 1790
 Delta R.T. -0.012 min
 Lab File: BF141968.D
 Acq: 14 Mar 2025 16:37

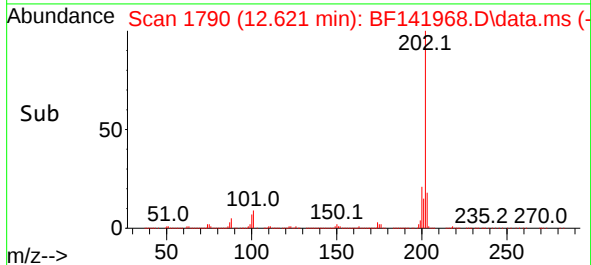
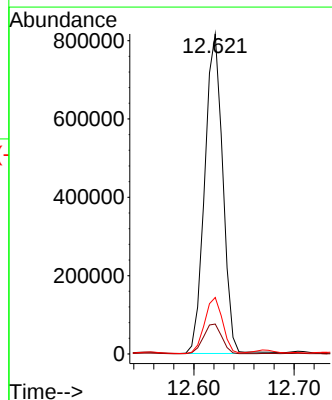
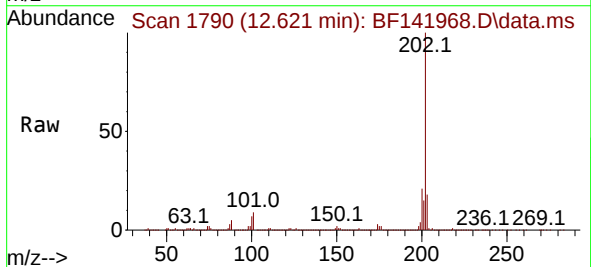
Instrument :
 BNA_F
 ClientSampleId :
 NB-418-JB-COMP-01

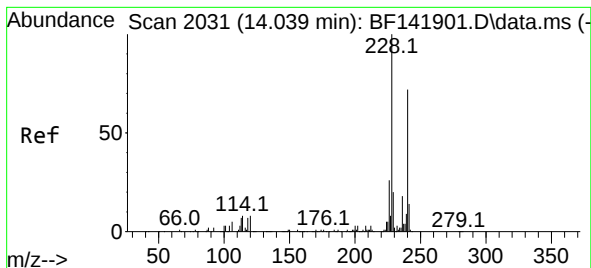
Tgt Ion:167 Resp: 85809
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.4 26.2
 139 14.4 11.0 16.6



#75
 Fluoranthene
 Concen: 53.668 ng
 RT: 12.621 min Scan# 1790
 Delta R.T. 0.006 min
 Lab File: BF141968.D
 Acq: 14 Mar 2025 16:37

Tgt Ion:202 Resp: 1024227
 Ion Ratio Lower Upper
 202 100
 101 9.4 0.0 29.7
 203 17.6 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF141968.D

Acq: 14 Mar 2025 16:37

Instrument :

BNA_F

ClientSampleId :

NB-418-JB-COMP-01

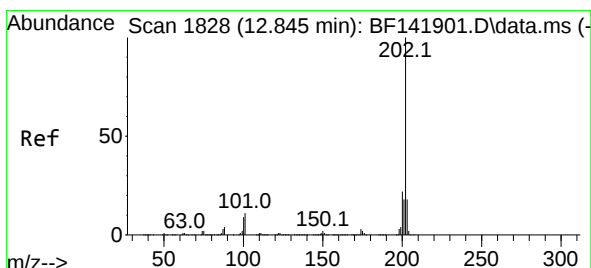
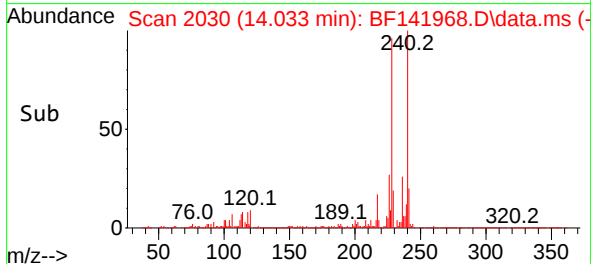
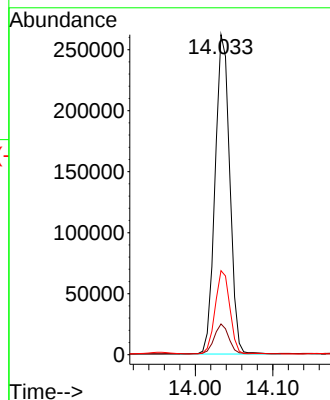
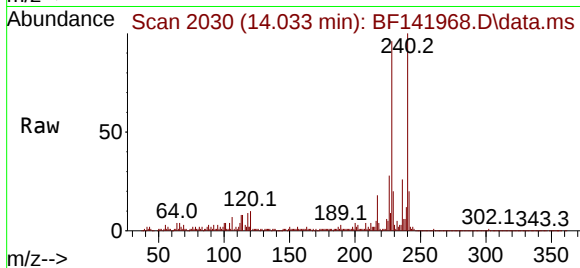
Tgt Ion:240 Resp: 343760

Ion Ratio Lower Upper

240 100

120 9.6 8.4 12.6

236 26.2 20.5 30.7



#78

Pyrene

Concen: 29.797 ng

RT: 12.839 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF141968.D

Acq: 14 Mar 2025 16:37

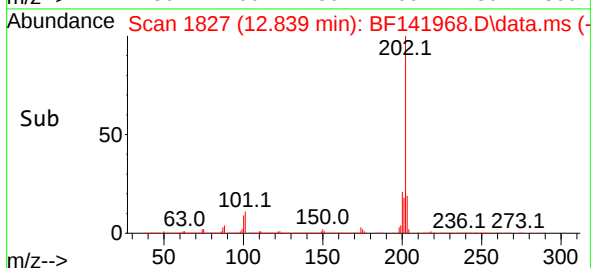
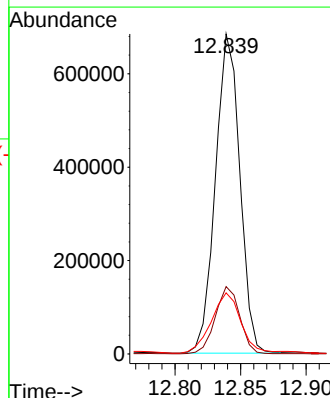
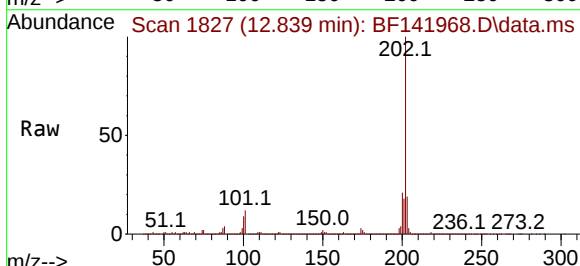
Tgt Ion:202 Resp: 886019

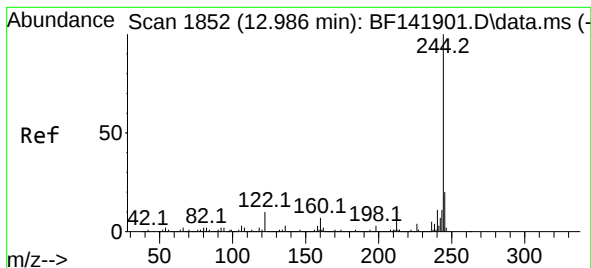
Ion Ratio Lower Upper

202 100

200 21.0 17.3 25.9

203 19.1 14.4 21.6





#79

Terphenyl-d14

Concen: 38.206 ng

RT: 12.980 min Scan# 1852

Delta R.T. -0.006 min

Lab File: BF141968.D

Acq: 14 Mar 2025 16:37

Instrument :

BNA_F

ClientSampleId :

NB-418-JB-COMP-01

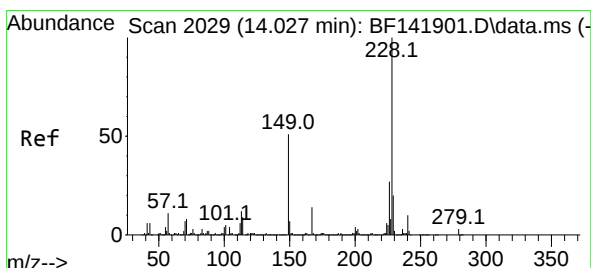
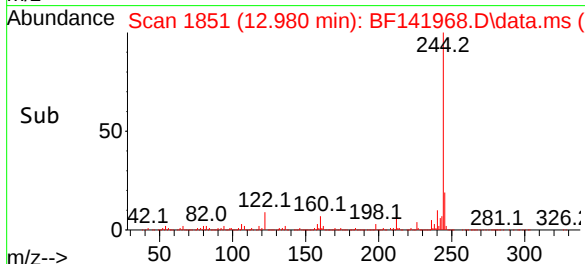
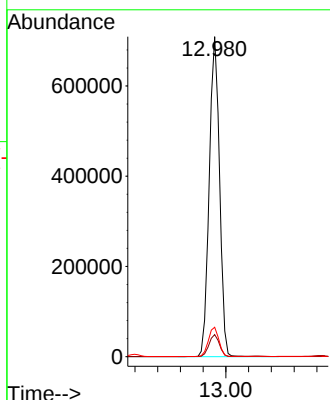
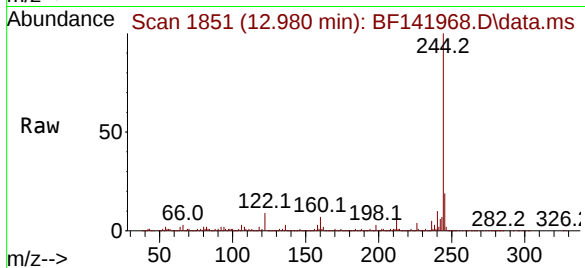
Tgt Ion:244 Resp: 888346

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

122 9.2 7.7 11.5



#81

Benzo(a)anthracene

Concen: 24.396 ng

RT: 14.027 min Scan# 2029

Delta R.T. -0.000 min

Lab File: BF141968.D

Acq: 14 Mar 2025 16:37

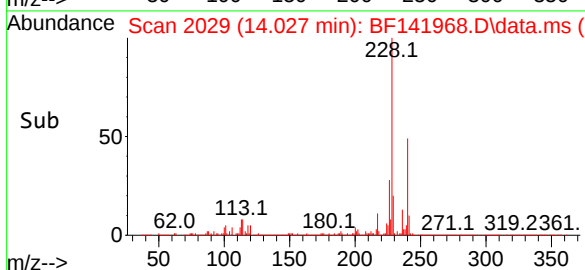
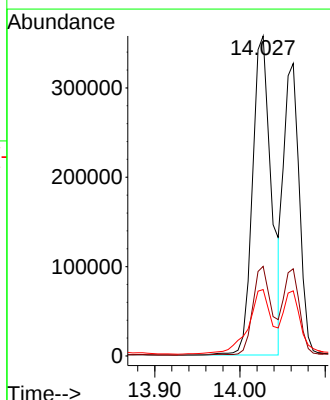
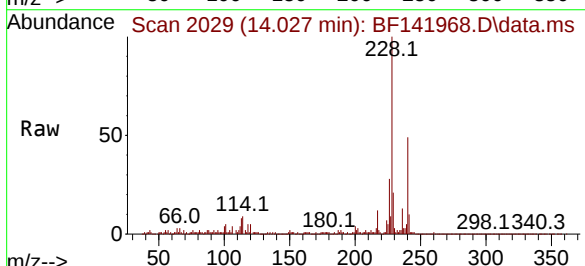
Tgt Ion:228 Resp: 550325

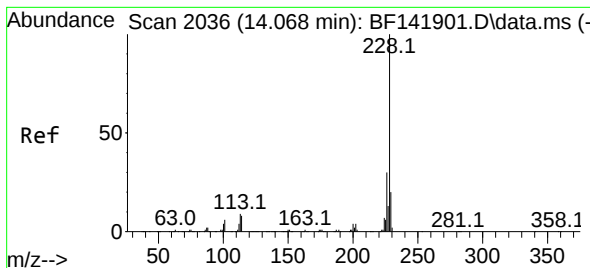
Ion Ratio Lower Upper

228 100

226 28.0 21.8 32.8

229 20.8 16.0 24.0





#83

Chrysene

Concen: 20.348 ng

RT: 14.062 min Scan# 2036

Delta R.T. -0.006 min

Lab File: BF141968.D

Acq: 14 Mar 2025 16:37

Instrument :

BNA_F

ClientSampleId :

NB-418-JB-COMP-01

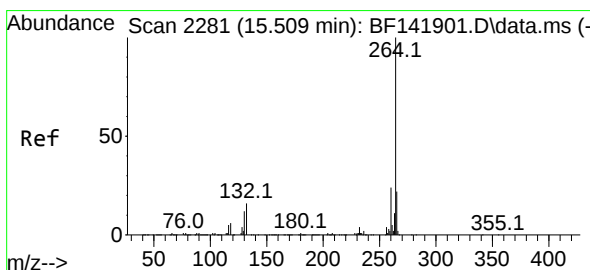
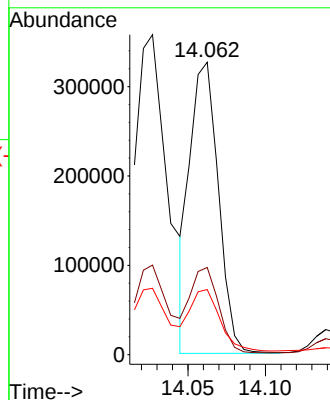
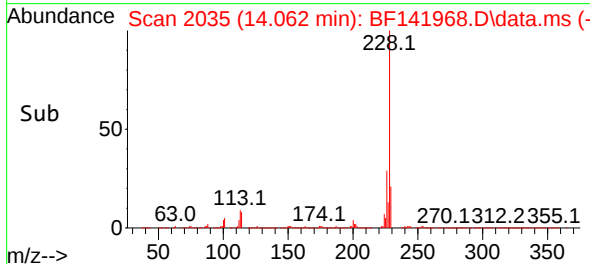
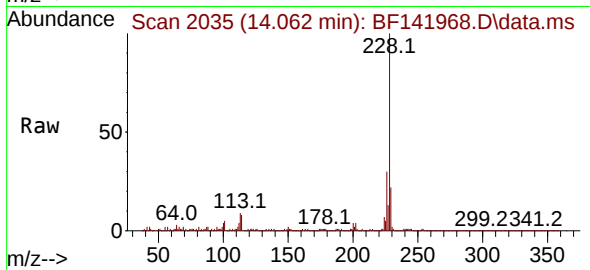
Tgt Ion:228 Resp: 416081

Ion Ratio Lower Upper

228 100

226 29.8 24.1 36.1

229 22.3 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.509 min Scan# 2281

Delta R.T. -0.000 min

Lab File: BF141968.D

Acq: 14 Mar 2025 16:37

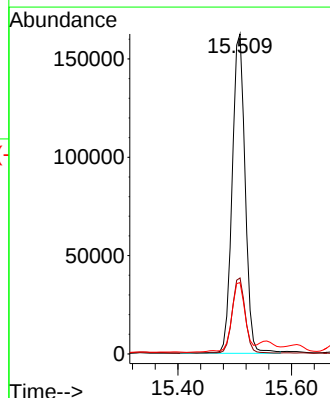
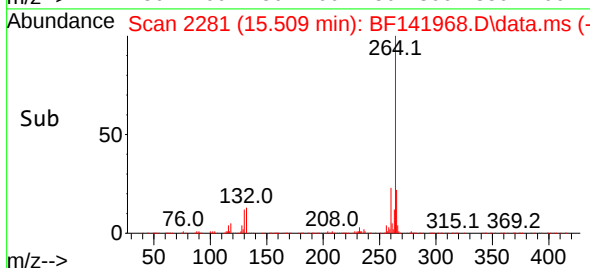
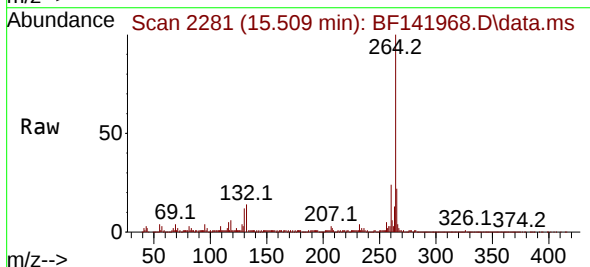
Tgt Ion:264 Resp: 256569

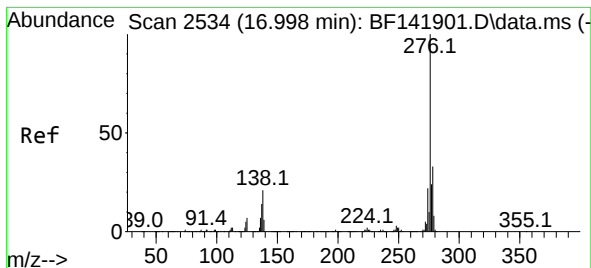
Ion Ratio Lower Upper

264 100

260 23.7 19.1 28.7

265 22.3 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.508 ng

RT: 16.986 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141968.D

Acq: 14 Mar 2025 16:37

Instrument :

BNA_F

ClientSampleId :

NB-418-JB-COMP-01

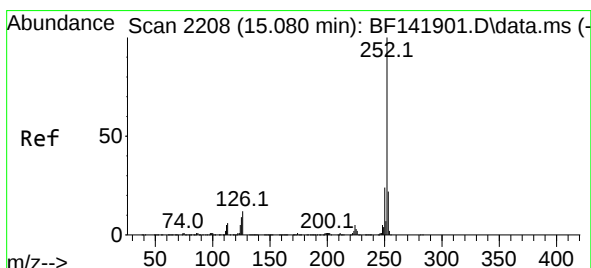
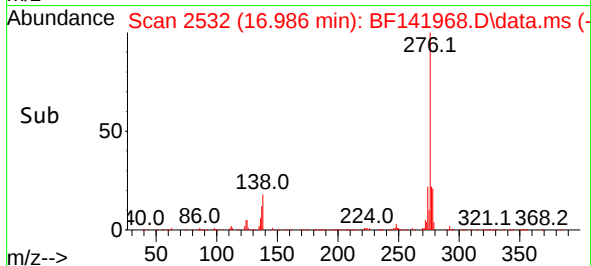
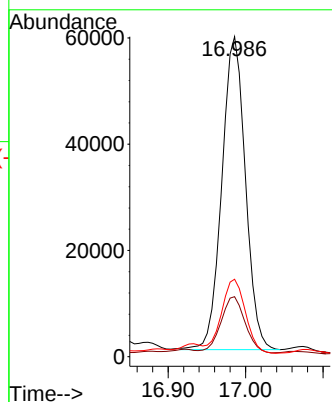
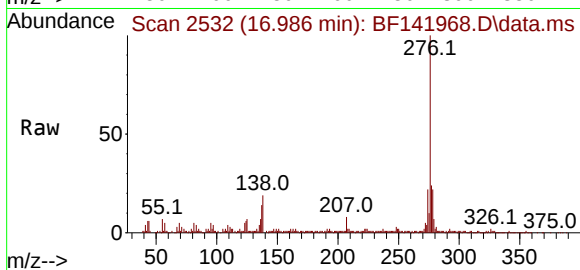
Tgt Ion:276 Resp: 124615

Ion Ratio Lower Upper

276 100

138 19.0 18.4 27.6

277 24.2 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 22.165 ng m

RT: 15.074 min Scan# 2207

Delta R.T. -0.006 min

Lab File: BF141968.D

Acq: 14 Mar 2025 16:37

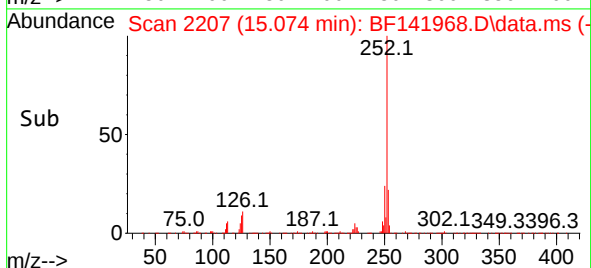
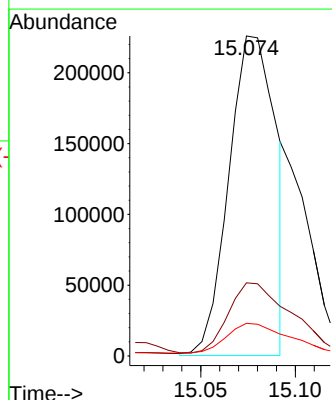
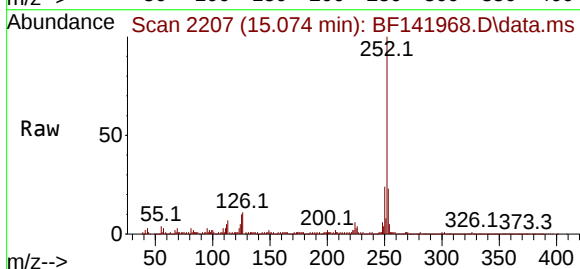
Tgt Ion:252 Resp: 389760

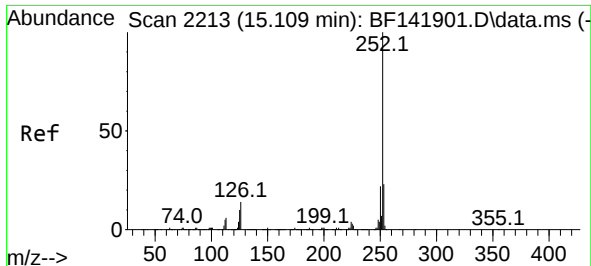
Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

125 10.2 7.0 10.4

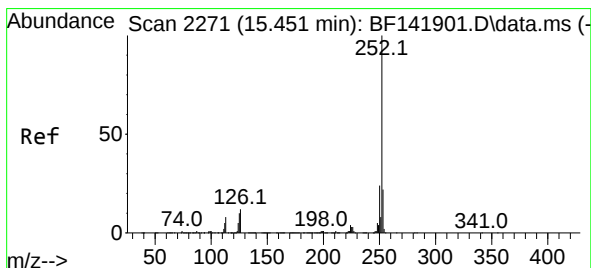
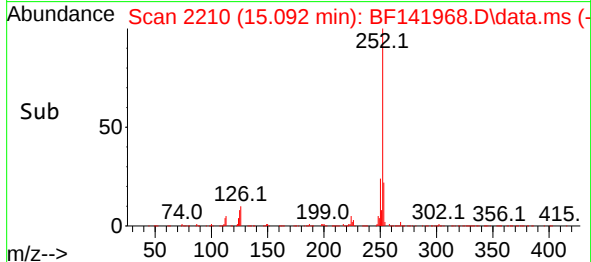
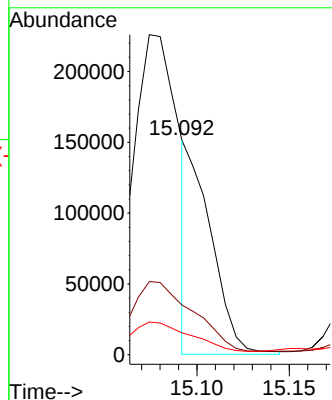
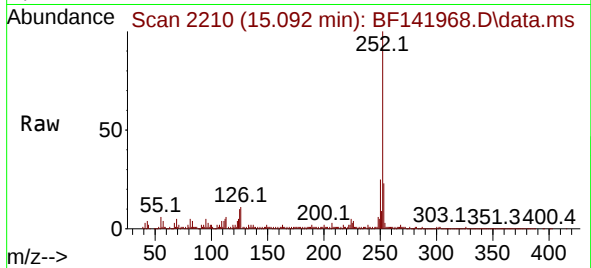




#89
Benzo(k)fluoranthene
Concen: 8.844 ng m
RT: 15.092 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF141968.D
Acq: 14 Mar 2025 16:37

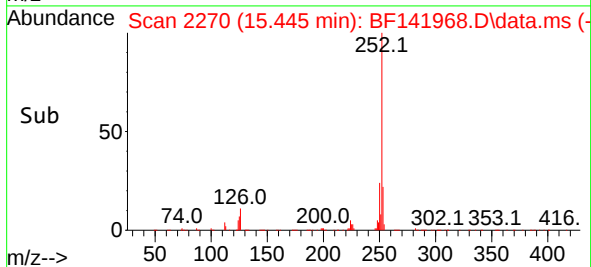
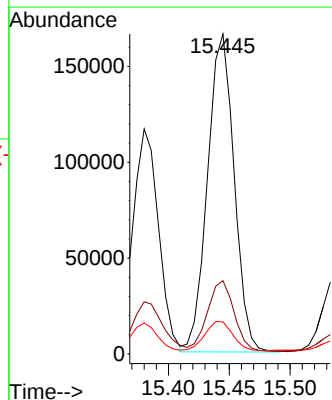
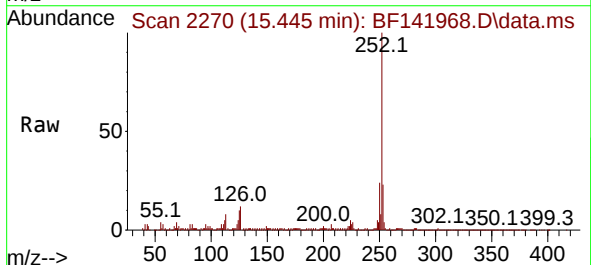
Instrument :
BNA_F
ClientSampleId :
NB-418-JB-COMP-01

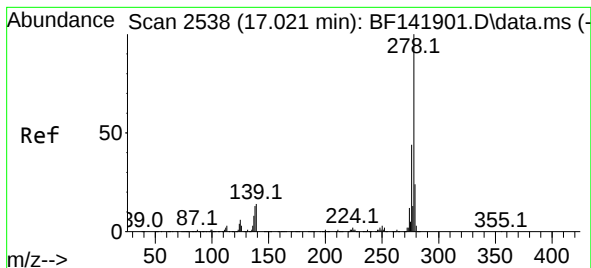
Tgt Ion:252 Resp: 133086
Ion Ratio Lower Upper
252 100
253 23.2 17.7 26.5
125 10.2 7.2 10.8



#90
Benzo(a)pyrene
Concen: 18.384 ng
RT: 15.445 min Scan# 2270
Delta R.T. -0.006 min
Lab File: BF141968.D
Acq: 14 Mar 2025 16:37

Tgt Ion:252 Resp: 252939
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.0
125 10.0 7.8 11.8





#91

Dibenzo(a,h)anthracene

Concen: 2.805 ng

RT: 16.998 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF141968.D

Acq: 14 Mar 2025 16:37

Instrument :

BNA_F

ClientSampleId :

NB-418-JB-COMP-01

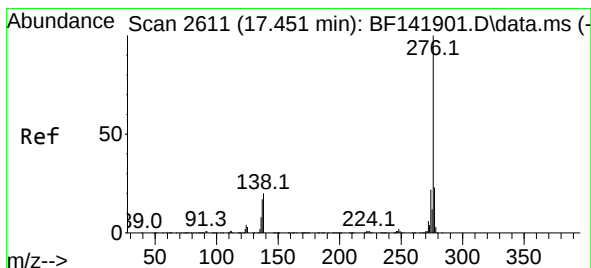
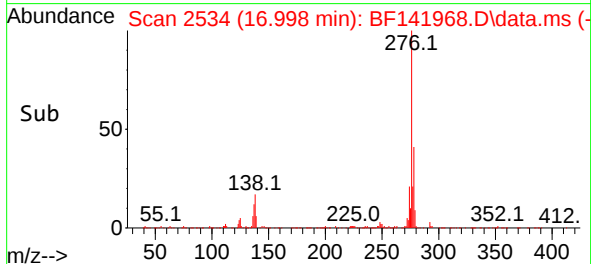
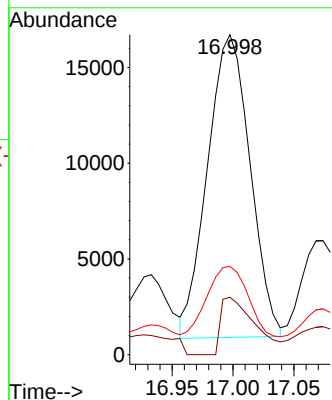
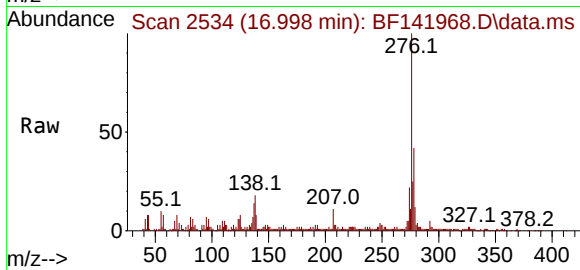
Tgt Ion:278 Resp: 38412

Ion Ratio Lower Upper

278 100

139 18.0 11.4 17.2#

279 27.6 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 8.467 ng

RT: 17.433 min Scan# 2608

Delta R.T. -0.018 min

Lab File: BF141968.D

Acq: 14 Mar 2025 16:37

Tgt Ion:276 Resp: 114584

Ion Ratio Lower Upper

276 100

277 24.3 18.7 28.1

138 20.9 15.8 23.8

