

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)

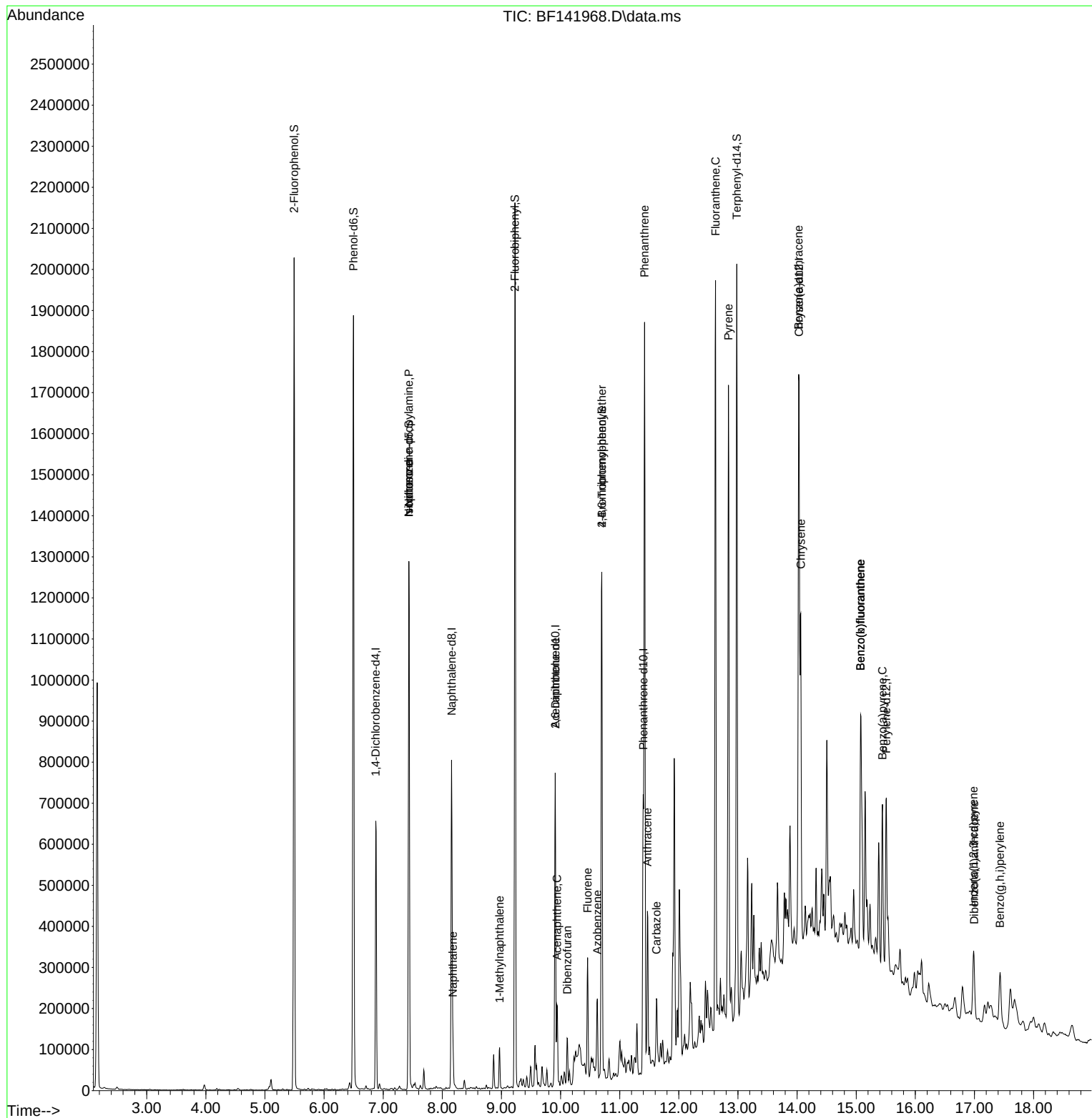
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	141490	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	500908	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	218896	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	333092	20.000	ng	0.00
76) Chrysene-d12	14.033	240	343760	20.000	ng	0.00
86) Perylene-d12	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
19) n-Nitroso-di-n-propyla...	7.433	70	79877	11.517	ng	# 77
25) Isophorone	7.433	82	567476	36.067	ng	# 64
31) Naphthalene	8.180	128	57953	2.252	ng	98
38) 1-Methylnaphthalene	8.969	142	37445	2.256	ng	98
51) 2,6-Dinitrotoluene	9.910	165	31326	9.815	ng	# 23
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
63) Azobenzene	10.621	77	39746	2.797	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	13764	3.290	ng	# 1
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	514661	29.268	ng	97
89) Benzo(k)fluoranthene	15.074	252	514661	34.201	ng	98
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

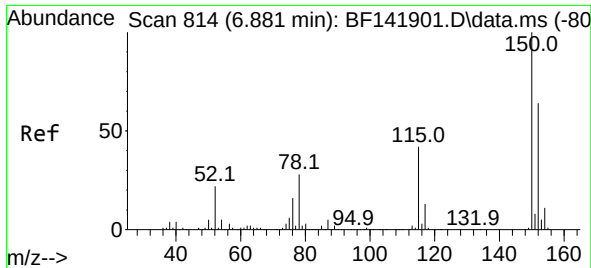
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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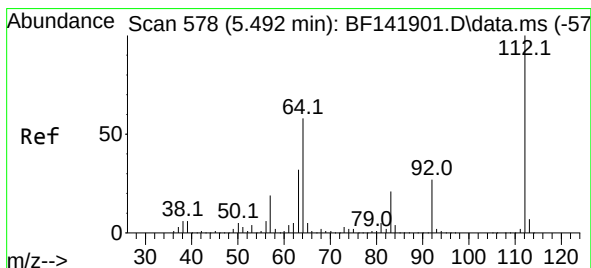
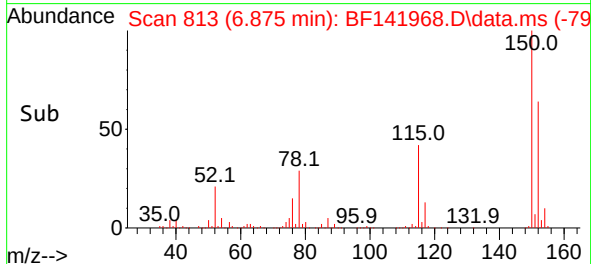
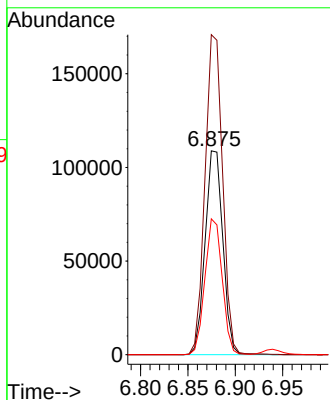
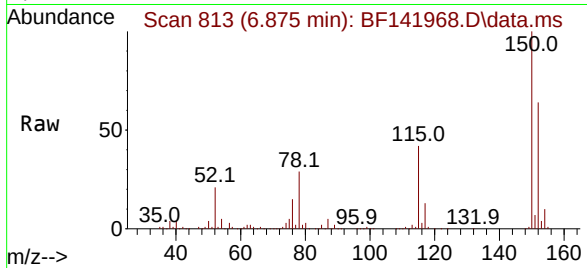




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF141968.D
Acq: 14 Mar 2025 16:37

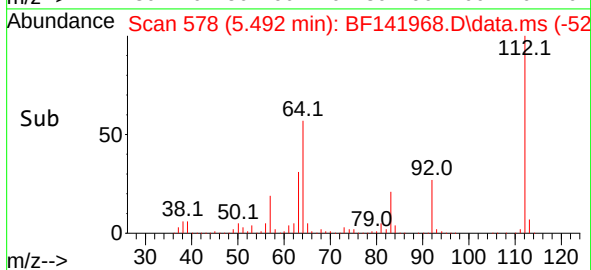
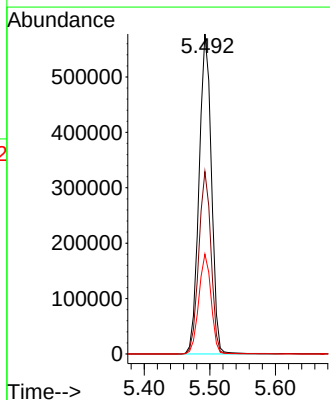
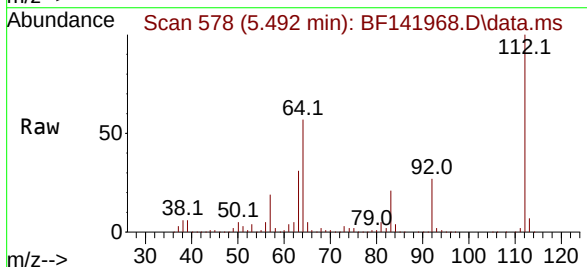
Instrument :
BNA_F
ClientSampleId :
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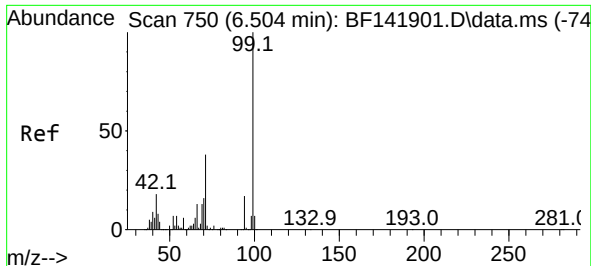
Tgt Ion:152 Resp: 141490
Ion Ratio Lower Upper
152 100
150 157.0 127.4 191.2
115 66.7 51.9 77.9



#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

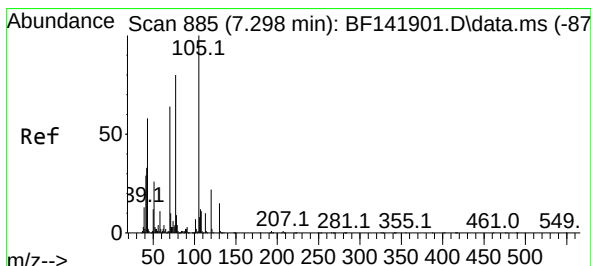
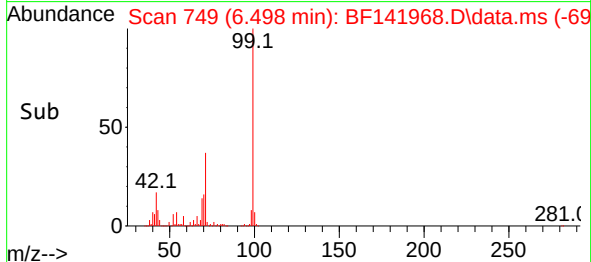
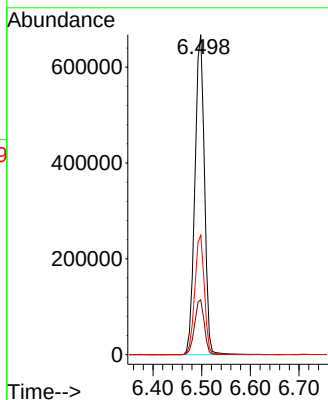
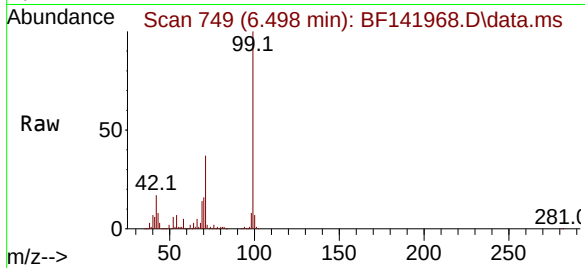




#7
Phenol-d6
Concen: 85.268 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF141968.D
Acq: 14 Mar 2025 16:37

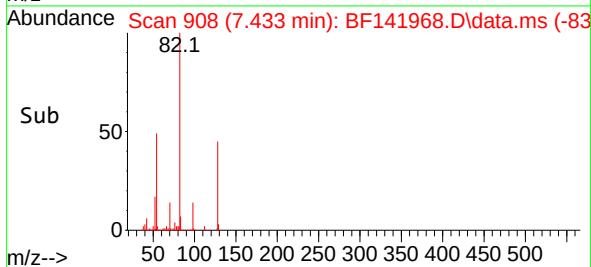
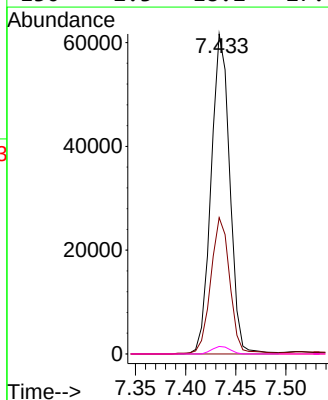
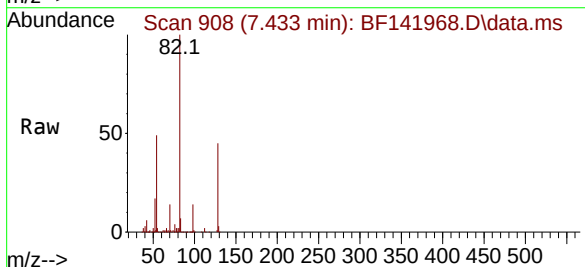
Instrument :
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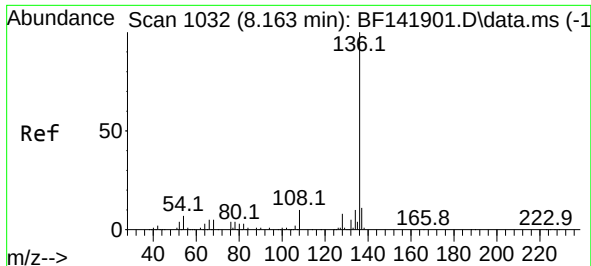
Tgt Ion: 99 Resp: 920387
Ion Ratio Lower Upper
99 100
42 17.2 14.6 21.8
71 37.3 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 11.517 ng
RT: 7.433 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF141968.D
Acq: 14 Mar 2025 16:37

Tgt Ion: 70 Resp: 79877
Ion Ratio Lower Upper
70 100
42 42.6 41.4 62.0
101 0.0 8.2 12.2#
130 2.3 18.2 27.4#

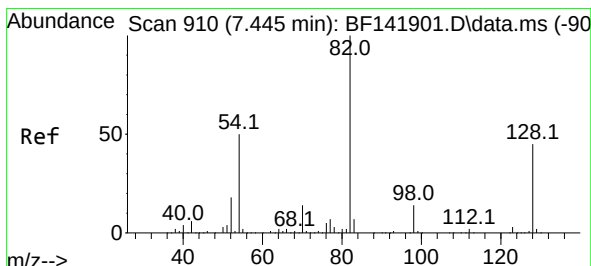
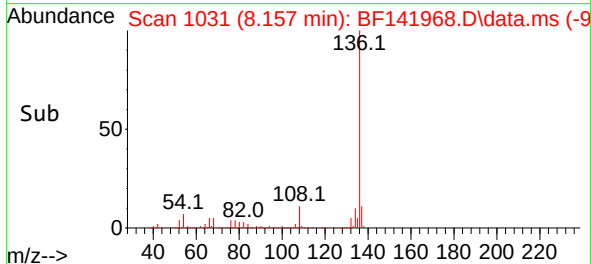
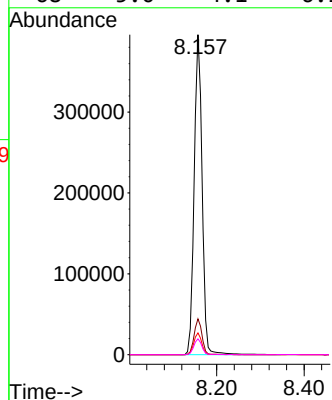
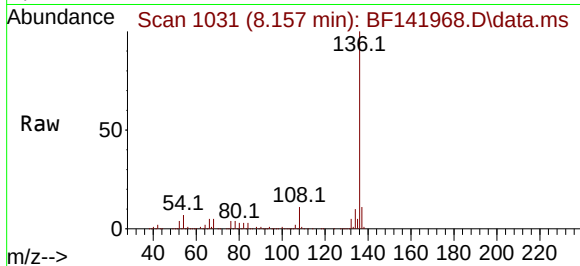




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141968.D
Acq: 14 Mar 2025 16:37

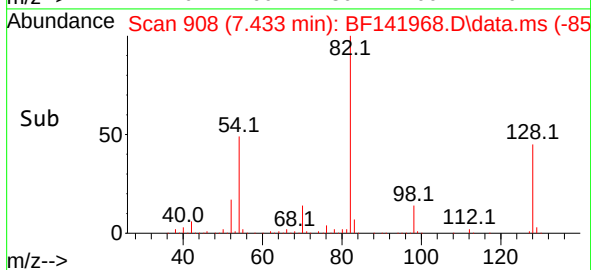
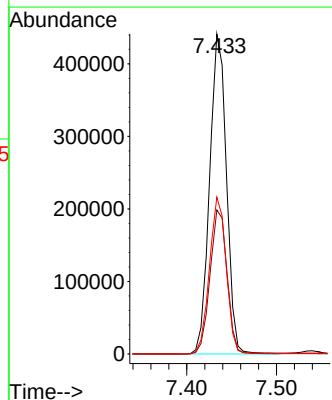
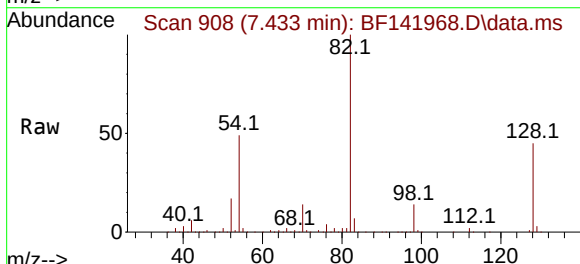
Instrument :
BNA_F
ClientSampleId :
NB-418-JB-COMP-01

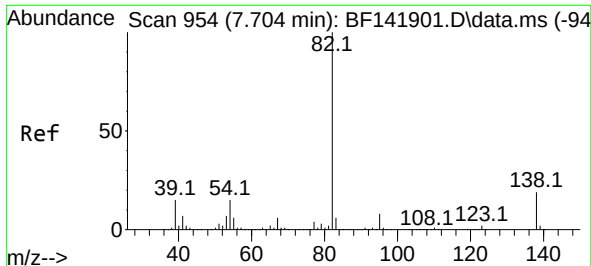
Tgt Ion:	136	Resp:	500908
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.8	13.2
54	6.8	5.8	8.8
68	5.0	4.1	6.1



#23
Nitrobenzene-d5
Concen: 64.682 ng
RT: 7.433 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF141968.D
Acq: 14 Mar 2025 16:37

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

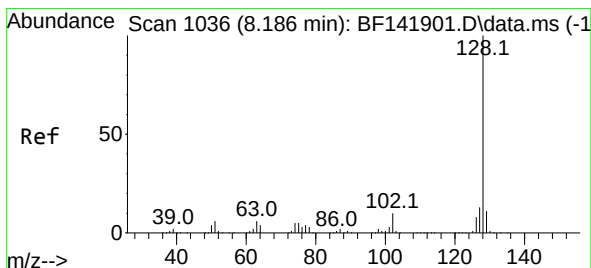
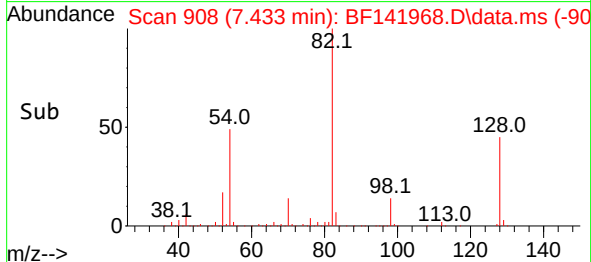
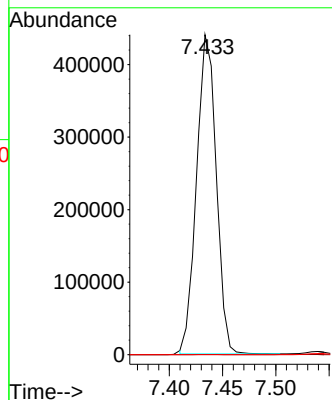
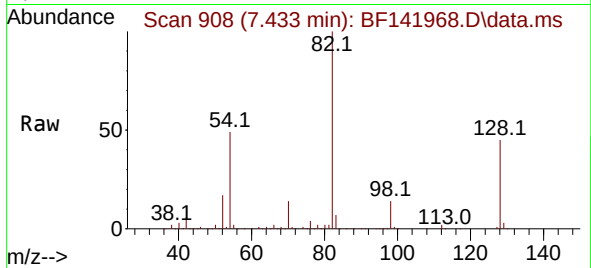




#25
Isophorone
Concen: 36.067 ng
RT: 7.433 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF141968.D
Acq: 14 Mar 2025 16:37

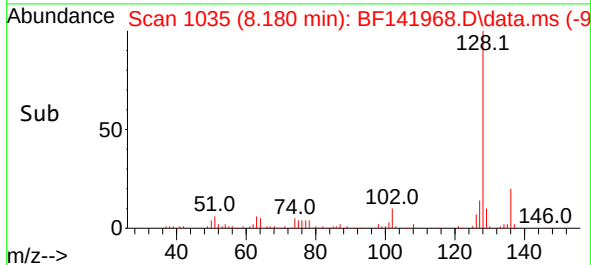
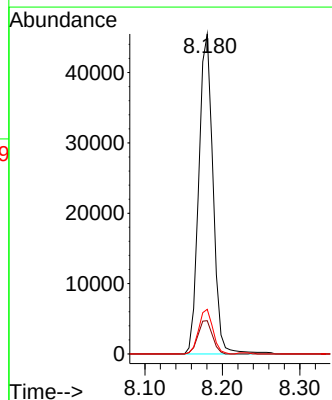
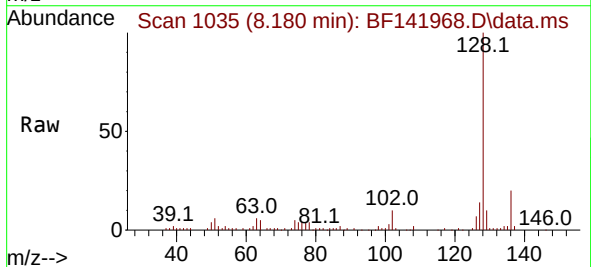
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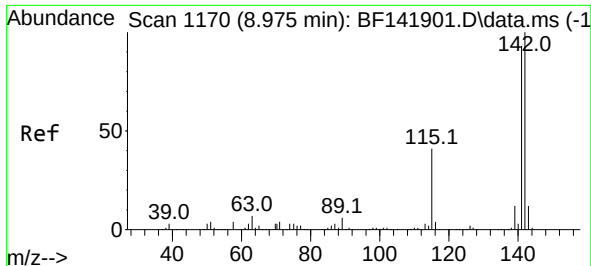
Tgt Ion: 82 Resp: 567476
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#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

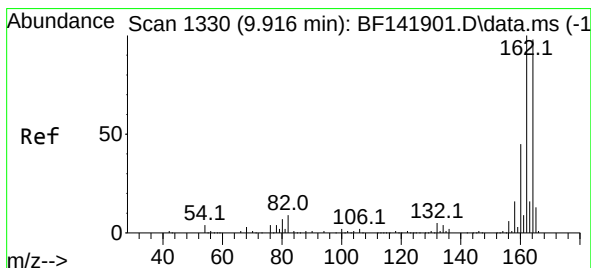
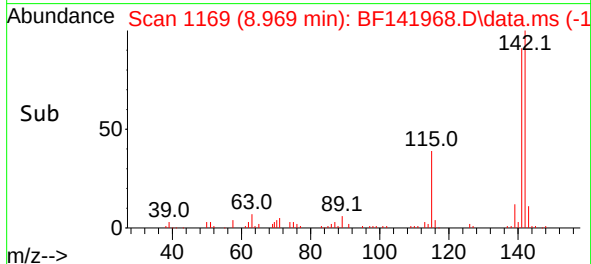
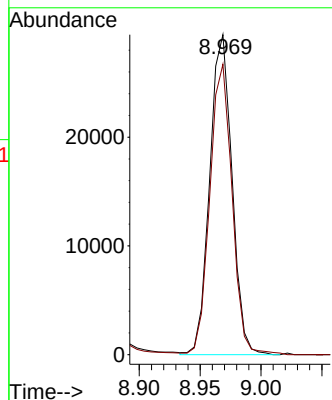
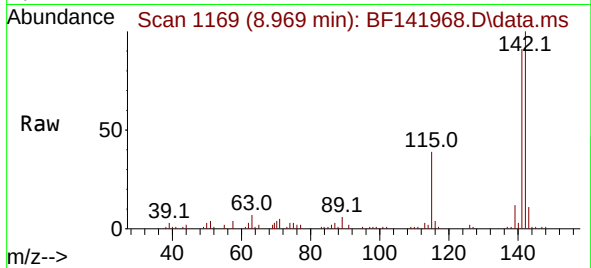




#38
1-Methylnaphthalene
Concen: 2.256 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF141968.D
Acq: 14 Mar 2025 16:37

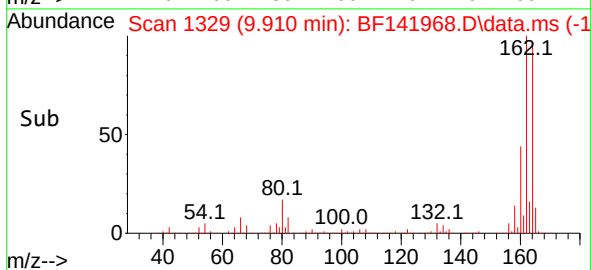
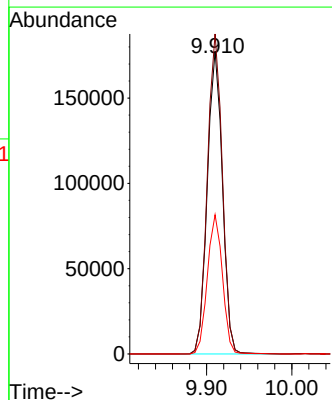
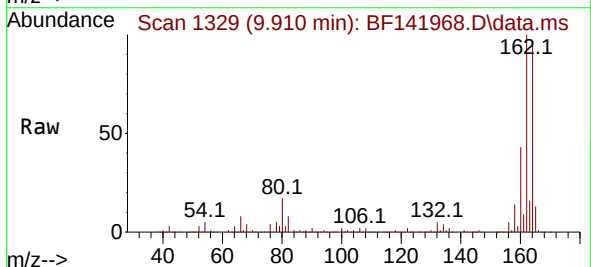
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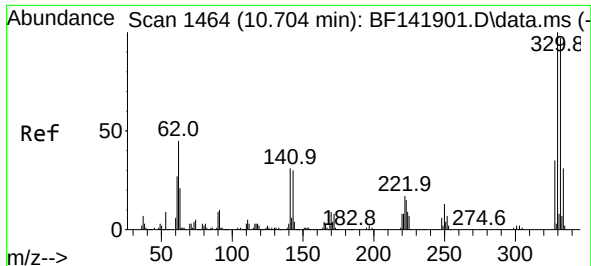
Tgt Ion:142 Resp: 37445
Ion Ratio Lower Upper
142 100
141 90.7 74.2 111.4



#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

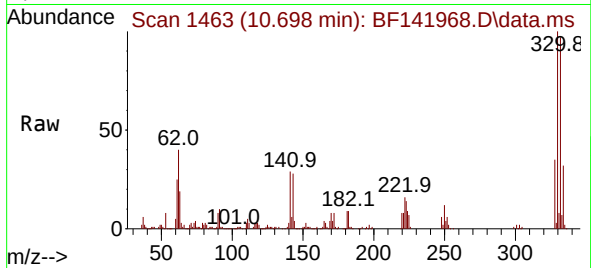
Tgt Ion:164 Resp: 218896
Ion Ratio Lower Upper
164 100
162 105.7 81.8 122.6
160 46.0 36.7 55.1



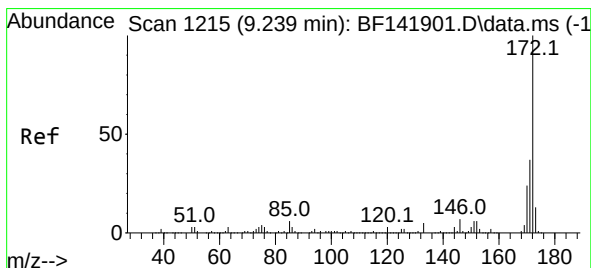
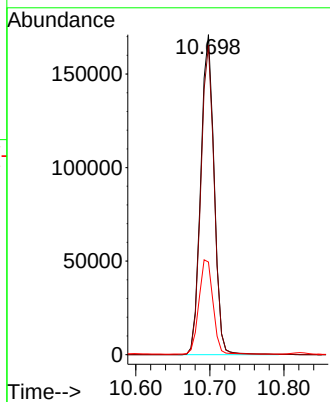
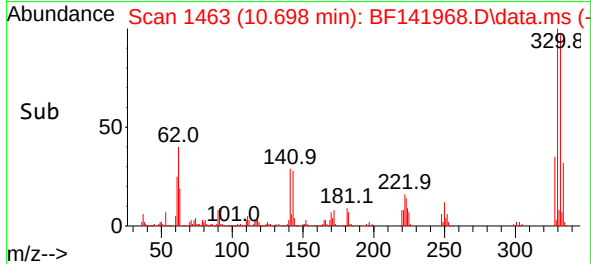


#42
 2,4,6-Tribromophenol
 Concen: 77.445 ng
 RT: 10.698 min Scan# 1463
 Delta R.T. -0.006 min
 Lab File: BF141968.D
 Acq: 14 Mar 2025 16:37

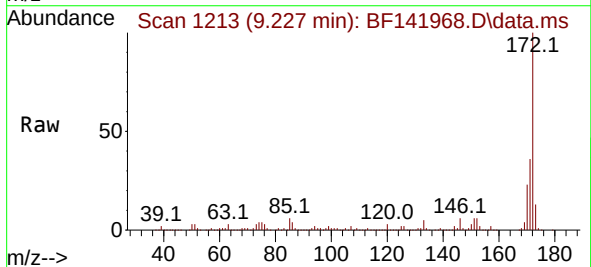
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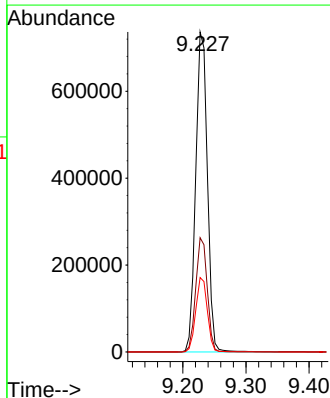
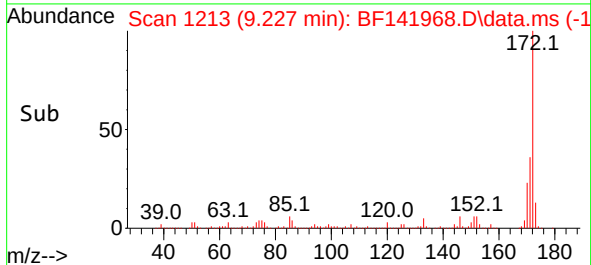
Tgt Ion:330 Resp: 215063
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.6 116.4
 141 30.9 24.7 37.1

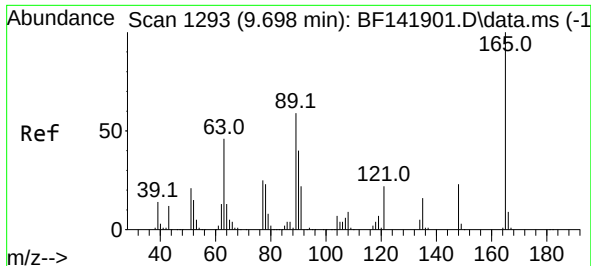


#45
 2-Fluorobiphenyl
 Concen: 65.479 ng
 RT: 9.227 min Scan# 1213
 Delta R.T. -0.012 min
 Lab File: BF141968.D
 Acq: 14 Mar 2025 16:37



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

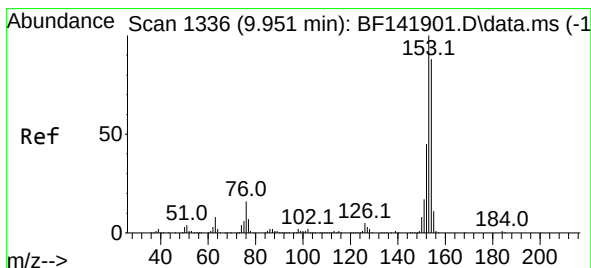
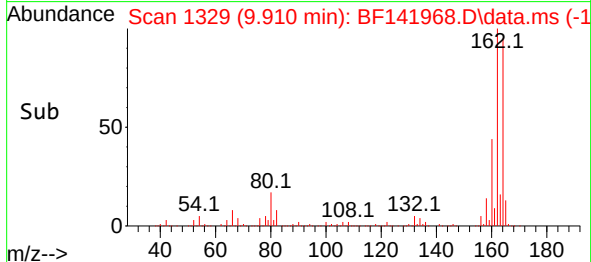
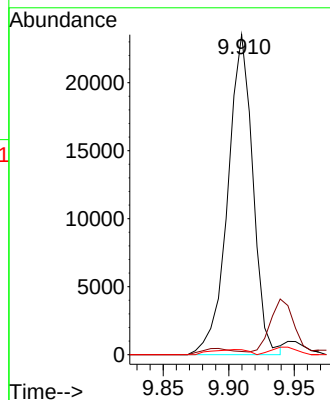
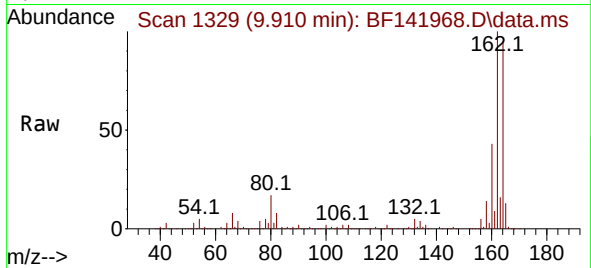




#51
2,6-Dinitrotoluene
Concen: 9.815 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF141968.D
Acq: 14 Mar 2025 16:37

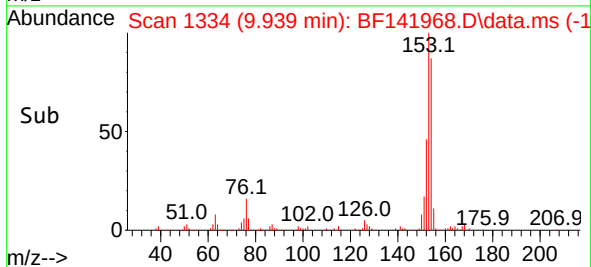
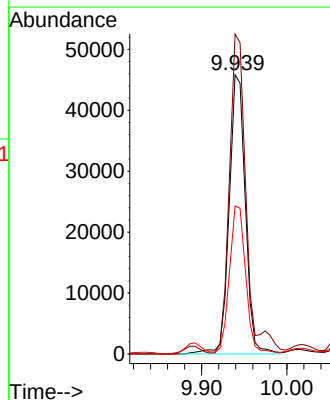
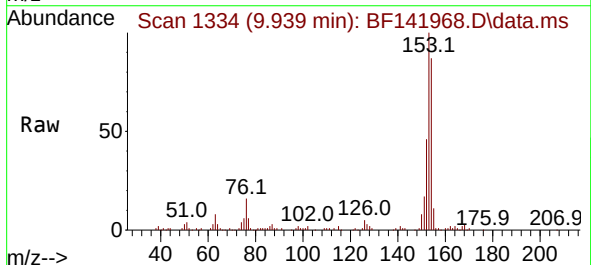
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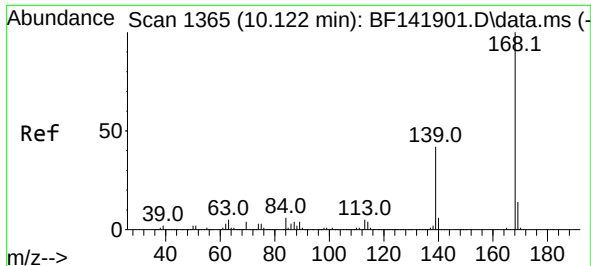
Tgt Ion:165 Resp: 31326
Ion Ratio Lower Upper
165 100
63 1.0 47.0 70.4#
89 1.5 47.4 71.2#



#52
Acenaphthene
Concen: 4.660 ng
RT: 9.939 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BF141968.D
Acq: 14 Mar 2025 16:37

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

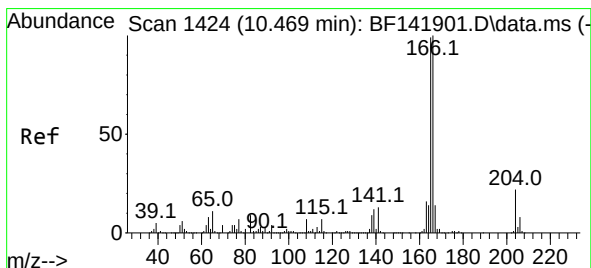
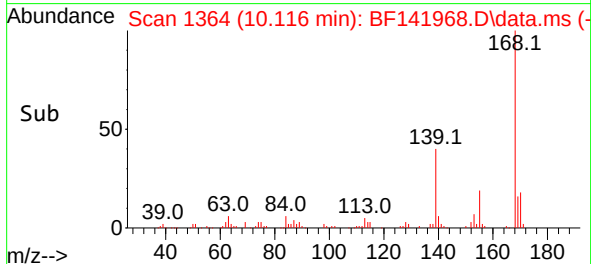
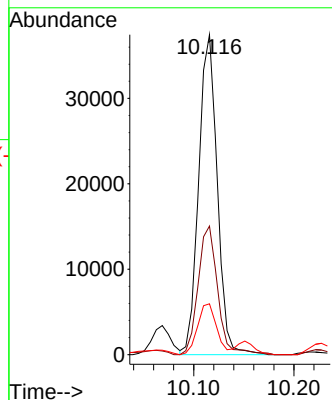
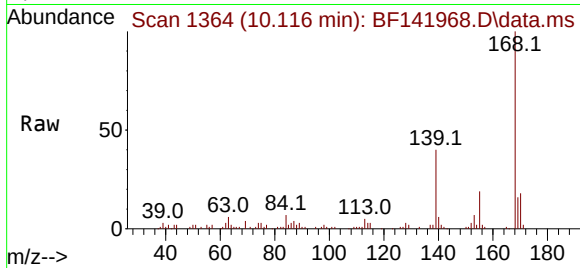




#55
Dibenzenofuran
Concen: 2.614 ng
RT: 10.116 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141968.D
Acq: 14 Mar 2025 16:37

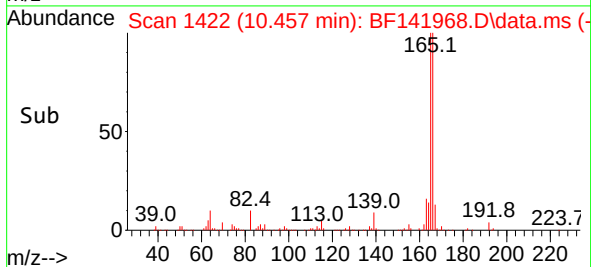
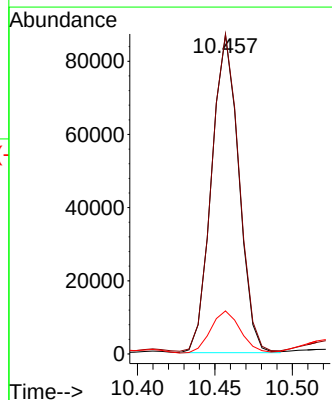
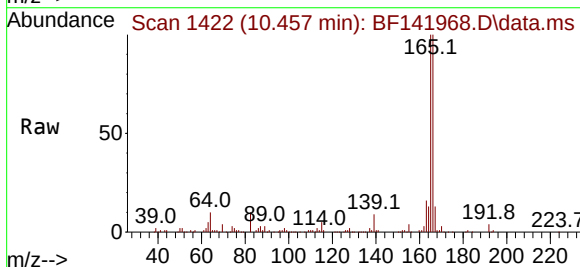
Instrument :
BNA_F
ClientSampleId :
NB-418-JB-COMP-01

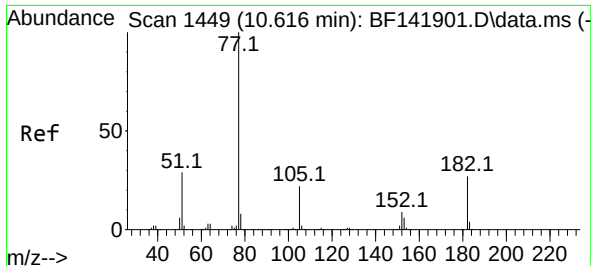
Tgt Ion:168 Resp: 48292
Ion Ratio Lower Upper
168 100
139 40.2 33.9 50.9
169 15.9 11.0 16.4



#58
Fluorene
Concen: 7.451 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BF141968.D
Acq: 14 Mar 2025 16:37

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

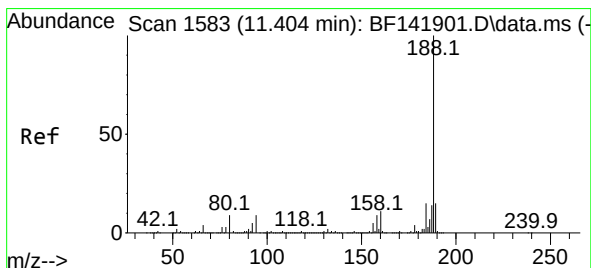
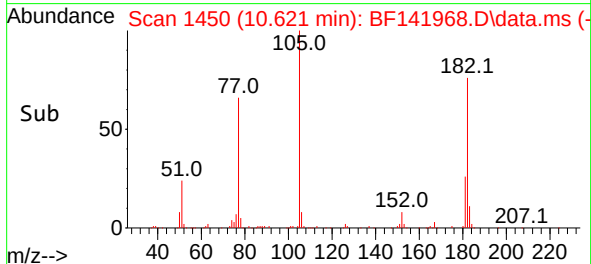
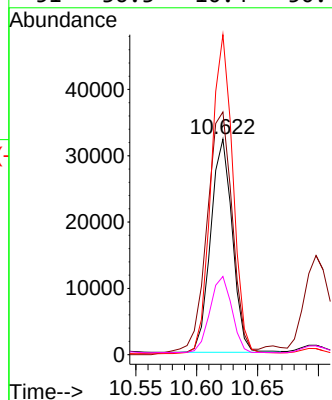
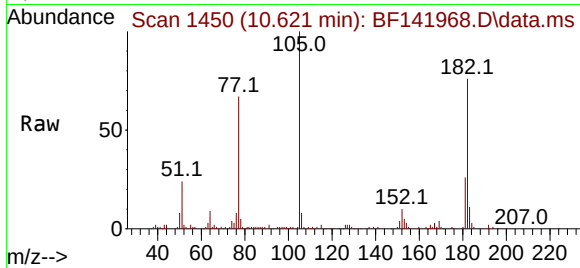




#63
Azobenzene
Concen: 2.797 ng
RT: 10.621 min Scan# 1449
Delta R.T. 0.006 min
Lab File: BF141968.D
Acq: 14 Mar 2025 16:37

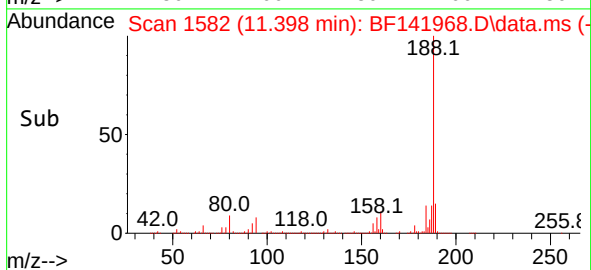
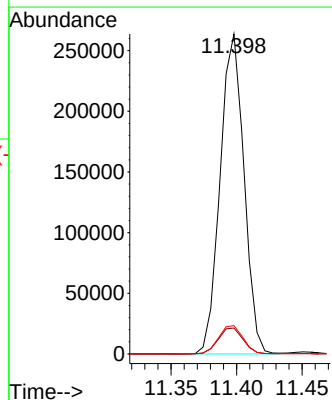
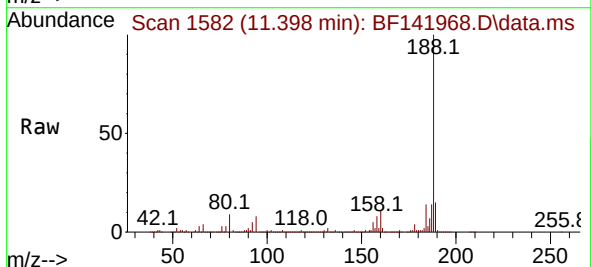
Instrument :
BNA_F
ClientSampleId :
NB-418-JB-COMP-01

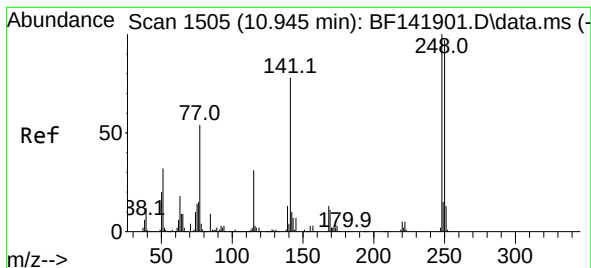
Tgt Ion: 77	Resp: 39746
Ion Ratio	Lower Upper
77 100	
182 112.6	6.6 46.6#
105 148.4	1.3 41.3#
51 36.3	10.4 50.4



#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

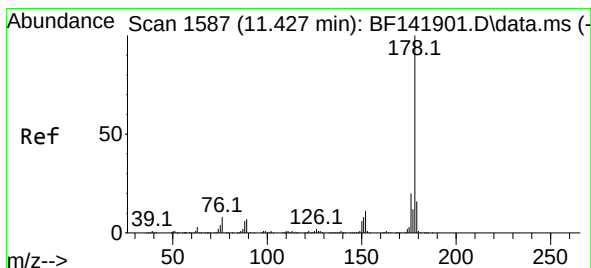
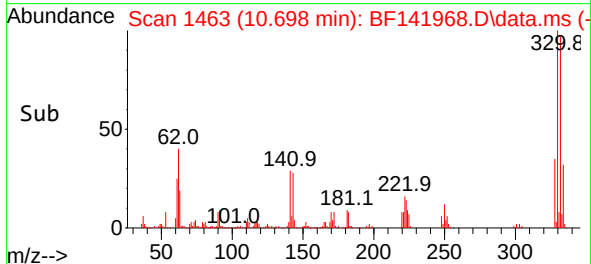
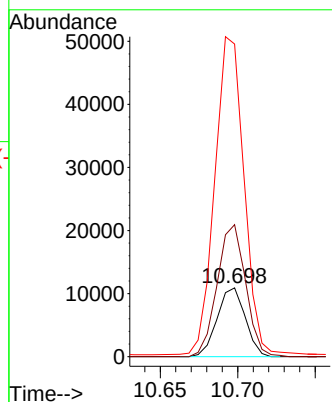
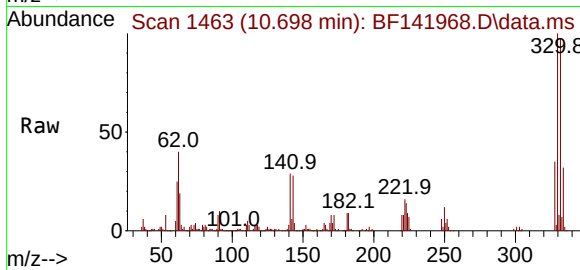




#67
4-Bromophenyl-phenylether
Concen: 3.290 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF141968.D
Acq: 14 Mar 2025 16:37

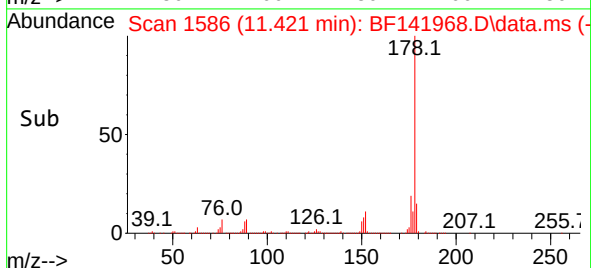
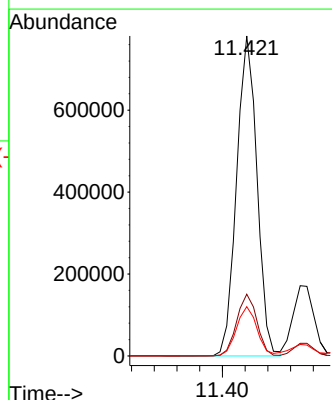
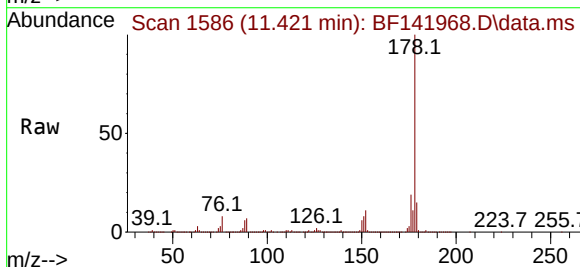
Instrument :
BNA_F
ClientSampleId :
NB-418-JB-COMP-01

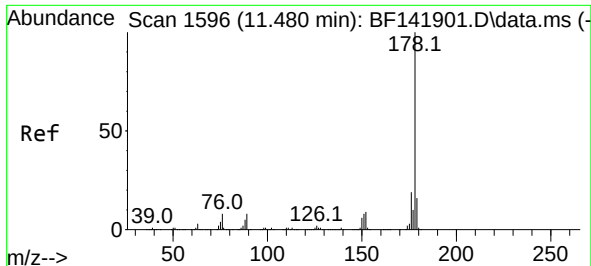
Tgt Ion:248 Resp: 13764
Ion Ratio Lower Upper
248 100
250 191.8 77.8 116.8#
141 454.2 62.6 93.8#



#71
Phenanthrene
Concen: 53.976 ng
RT: 11.421 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF141968.D
Acq: 14 Mar 2025 16:37

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

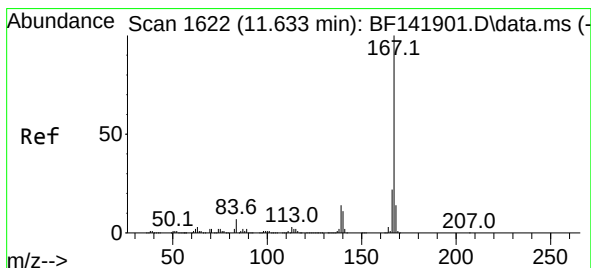
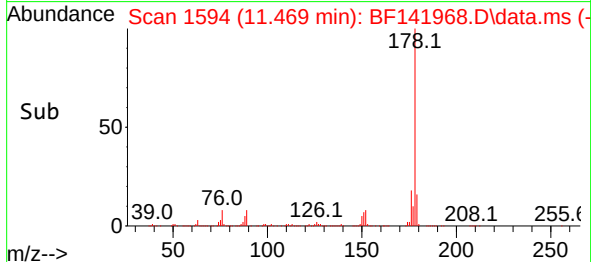
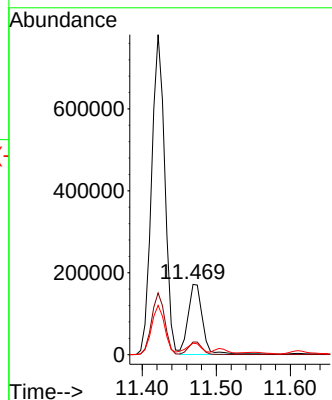
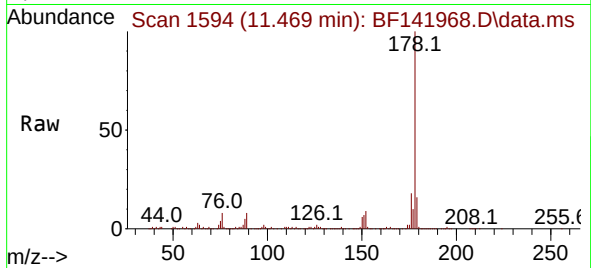




#72
 Anthracene
 Concen: 12.800 ng
 RT: 11.469 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF141968.D
 Acq: 14 Mar 2025 16:37

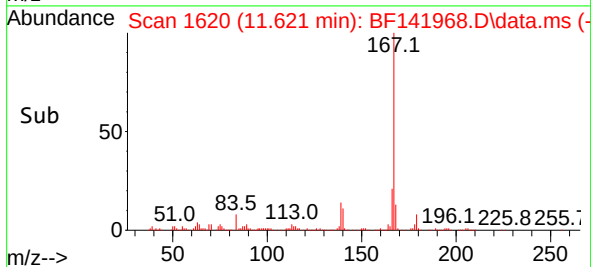
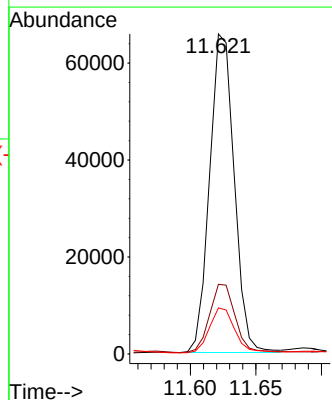
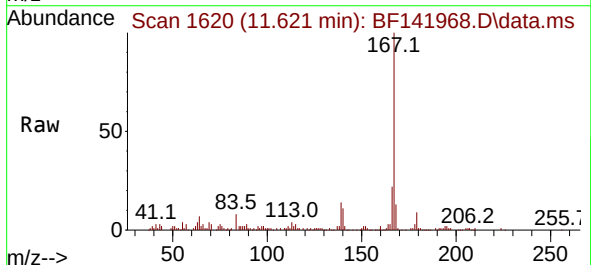
Instrument :
 BNA_F
 ClientSampleId :
 NB-418-JB-COMP-01

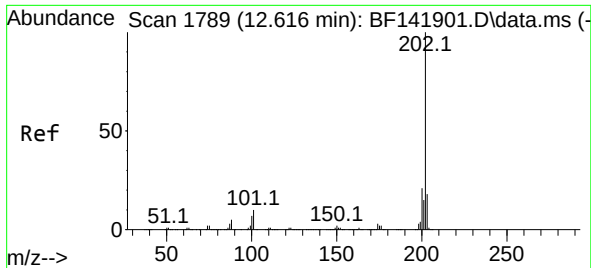
Tgt Ion:178 Resp: 231049
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.1 22.7
 179 16.4 12.6 19.0



#73
 Carbazole
 Concen: 5.512 ng
 RT: 11.621 min Scan# 1620
 Delta R.T. -0.012 min
 Lab File: BF141968.D
 Acq: 14 Mar 2025 16:37

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

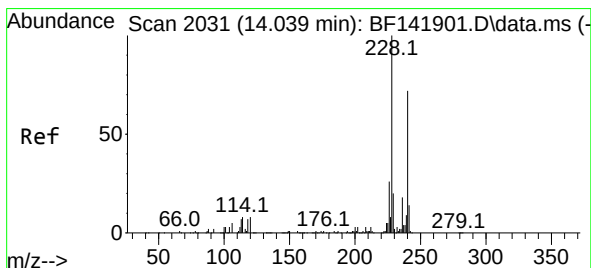
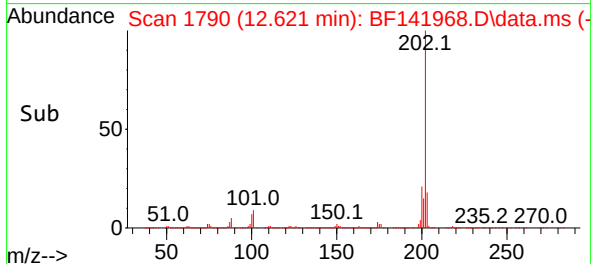
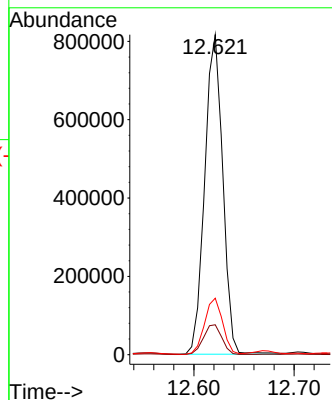
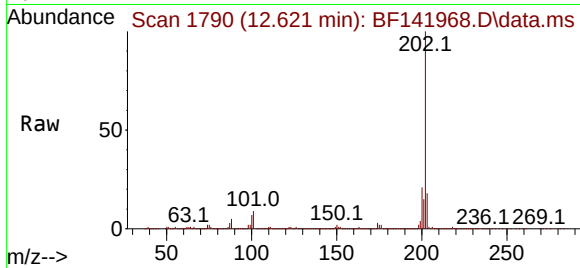




#75
Fluoranthene
Concen: 53.668 ng
RT: 12.621 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141968.D
Acq: 14 Mar 2025 16:37

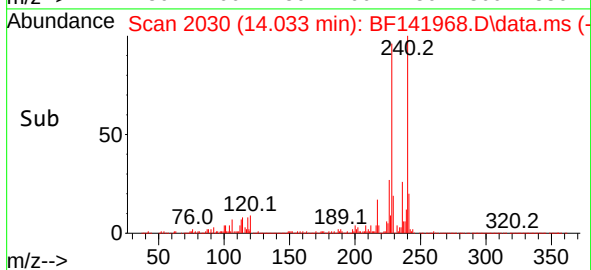
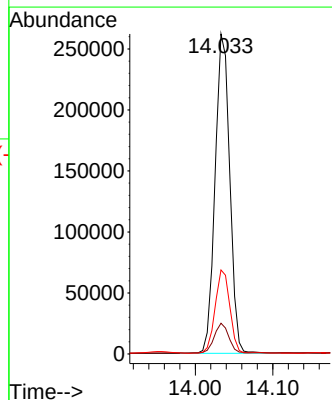
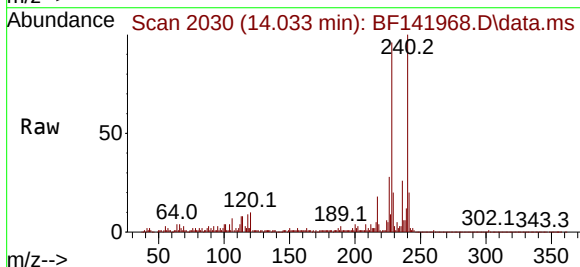
Instrument :
BNA_F
ClientSampleId :
NB-418-JB-COMP-01

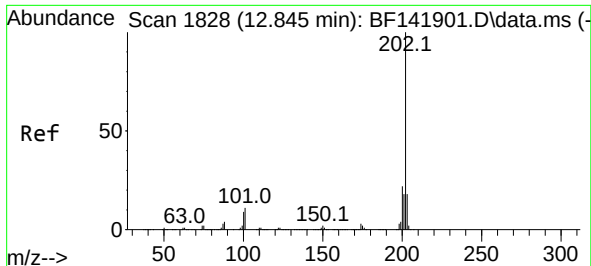
Tgt Ion:202 Resp: 1024227
Ion Ratio Lower Upper
202 100
101 9.4 0.0 29.7
203 17.6 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF141968.D
Acq: 14 Mar 2025 16:37

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

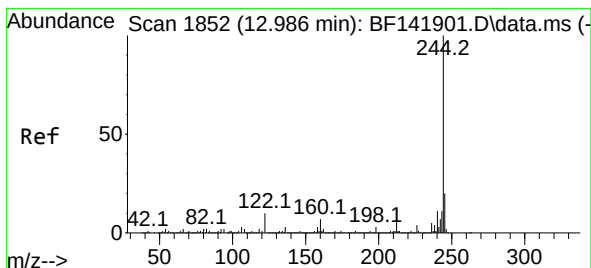
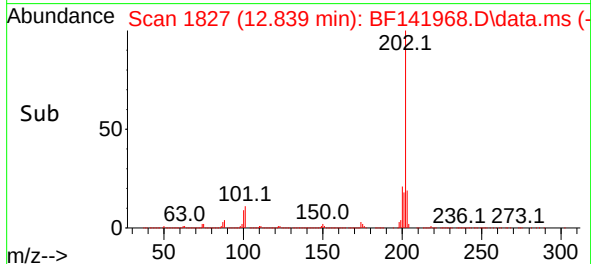
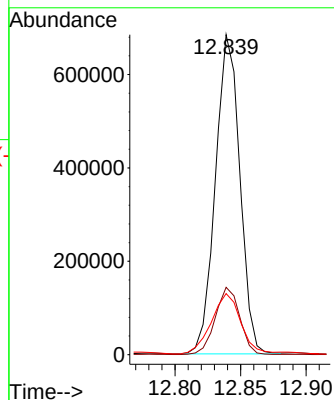
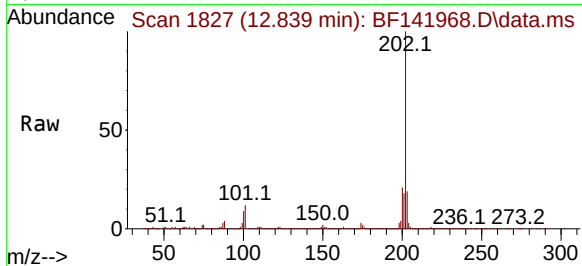




#78
 Pyrene
 Concen: 29.797 ng
 RT: 12.839 min Scan# 1827
 Delta R.T. -0.006 min
 Lab File: BF141968.D
 Acq: 14 Mar 2025 16:37

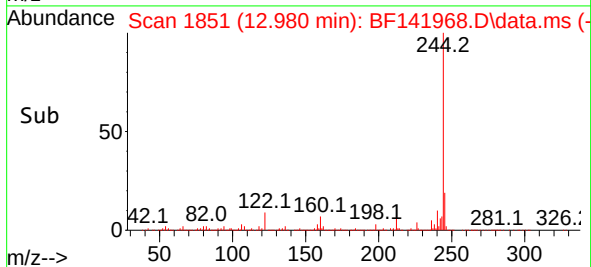
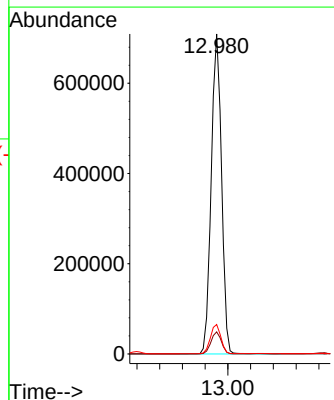
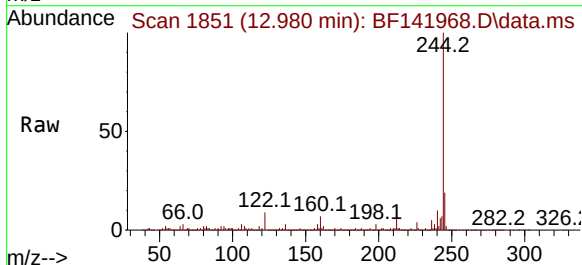
Instrument :
 BNA_F
 ClientSampleId :
 NB-418-JB-COMP-01

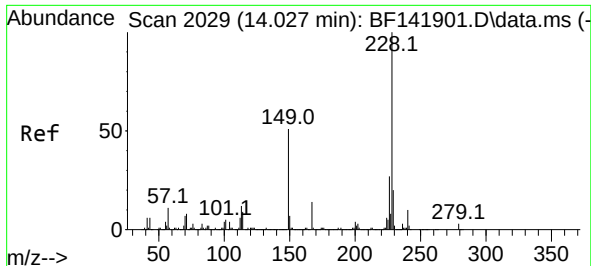
Tgt Ion:202 Resp: 886019
 Ion Ratio Lower Upper
 202 100
 200 21.0 17.3 25.9
 203 19.1 14.4 21.6



#79
 Terphenyl-d14
 Concen: 38.206 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF141968.D
 Acq: 14 Mar 2025 16:37

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

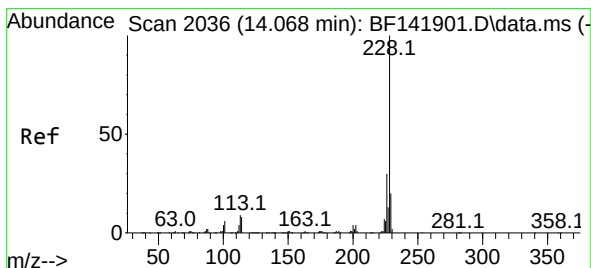
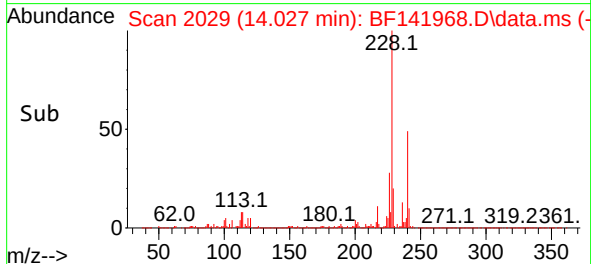
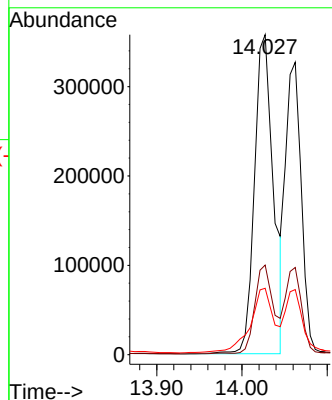
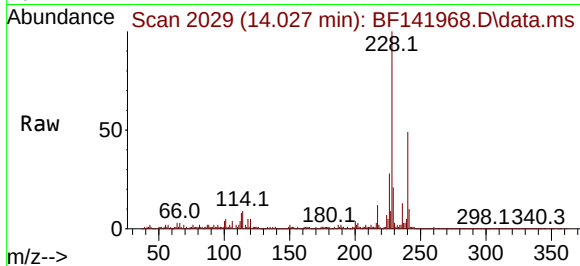




#81
Benzo(a)anthracene
Concen: 24.396 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.000 min
Lab File: BF141968.D
Acq: 14 Mar 2025 16:37

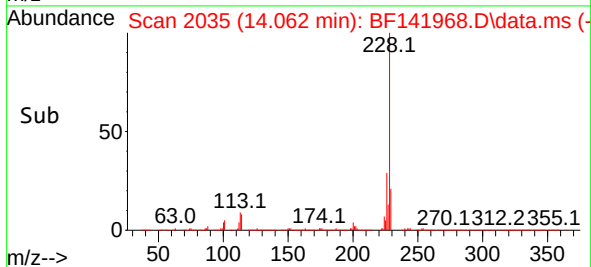
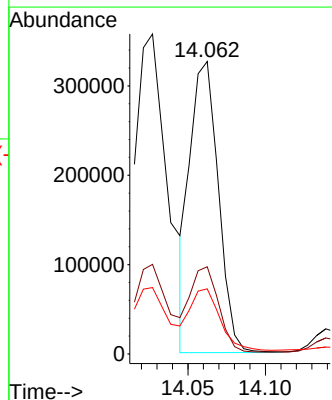
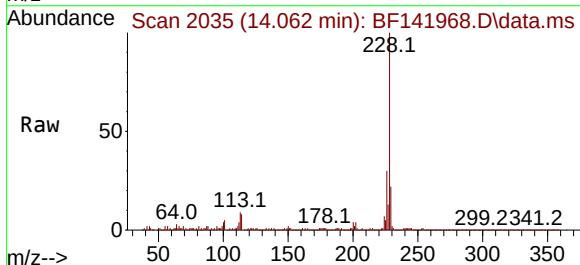
Instrument :
BNA_F
ClientSampleId :
NB-418-JB-COMP-01

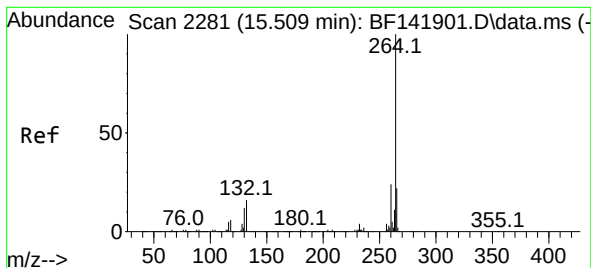
Tgt Ion:228 Resp: 550325
Ion Ratio Lower Upper
228 100
226 28.0 21.8 32.8
229 20.8 16.0 24.0



#83
Chrysene
Concen: 20.348 ng
RT: 14.062 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF141968.D
Acq: 14 Mar 2025 16:37

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# 21

Delta R.T. -0.000 min

Lab File: BF141968.D

Acq: 14 Mar 2025 16:37

Instrument :

BNA_F

ClientSampleId :

NB-418-JB-COMP-01

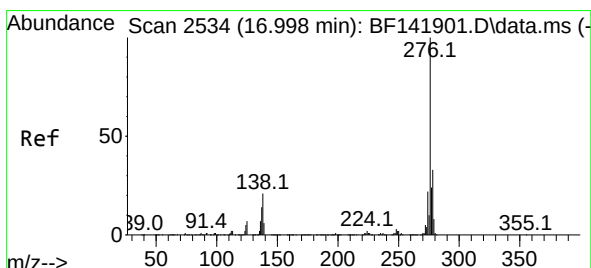
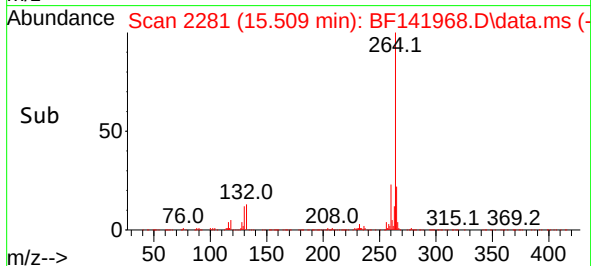
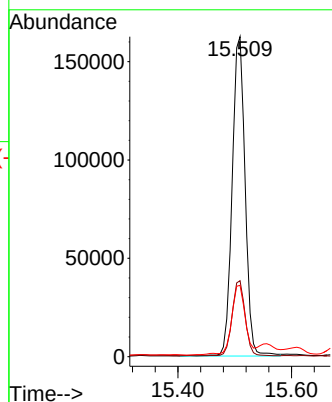
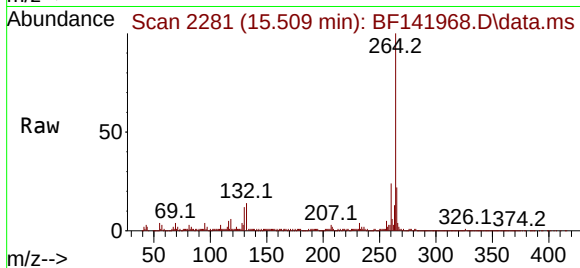
Tgt Ion:264 Resp: 256569

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# 2532

Delta R.T. -0.012 min

Lab File: BF141968.D

Acq: 14 Mar 2025 16:37

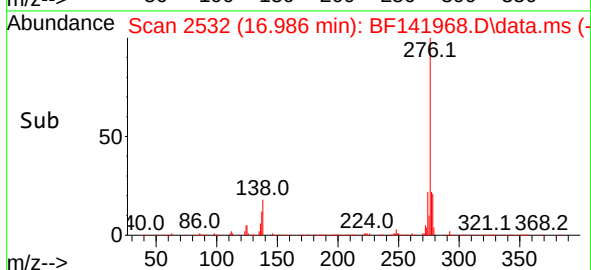
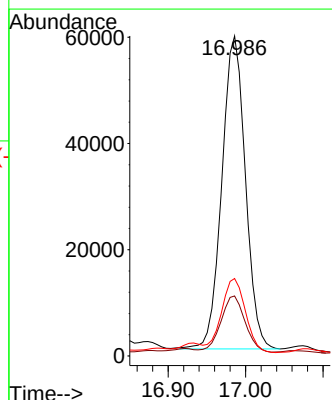
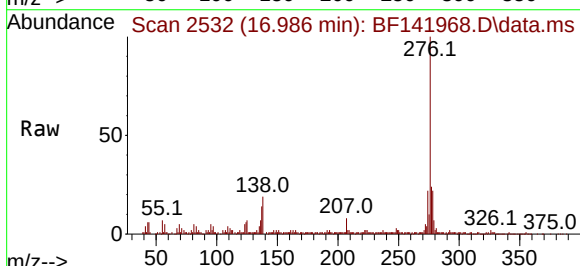
Tgt Ion:276 Resp: 124615

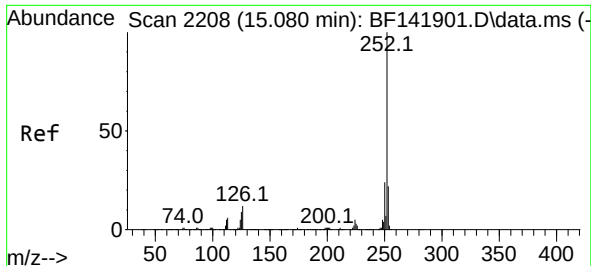
Ion Ratio Lower Upper

276 100

138 19.0 18.4 27.6

277 24.2 20.3 30.5

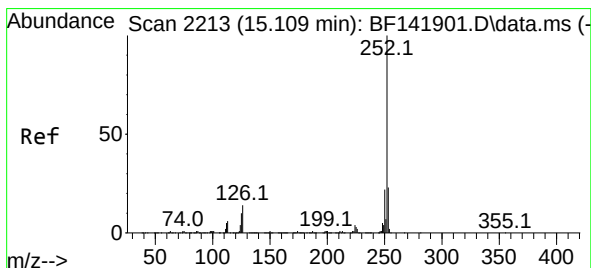
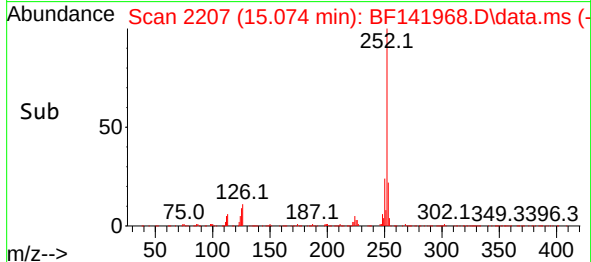
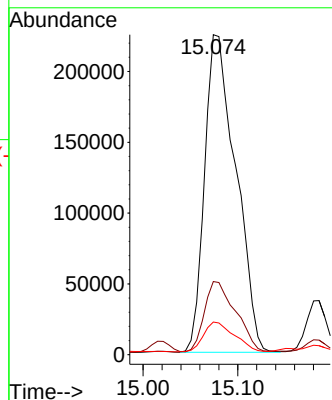
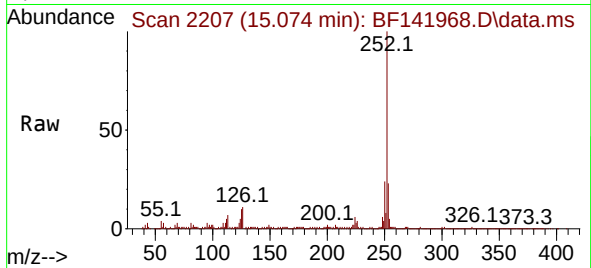




#88
Benzo(b)fluoranthene
Concen: 29.268 ng
RT: 15.074 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141968.D
Acq: 14 Mar 2025 16:37

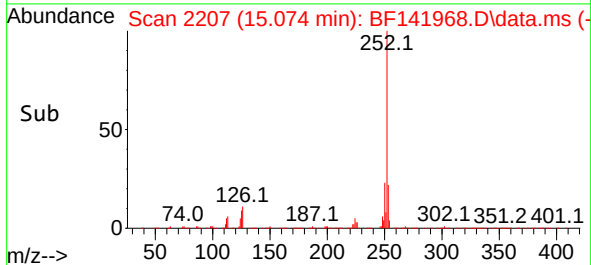
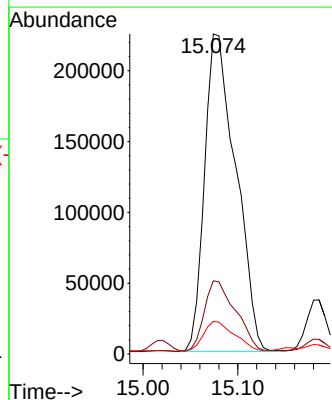
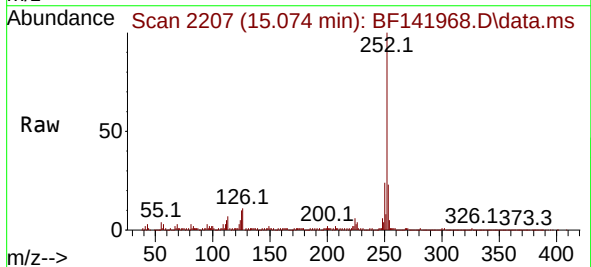
Instrument :
BNA_F
ClientSampleId :
NB-418-JB-COMP-01

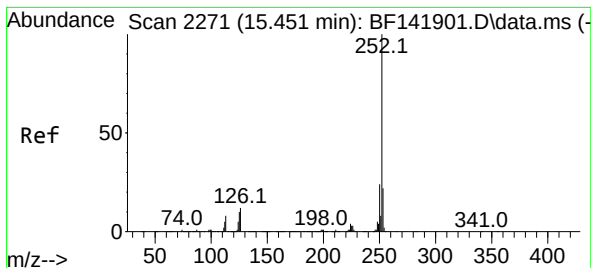
Tgt Ion:252 Resp: 514661
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 10.2 7.0 10.4



#89
Benzo(k)fluoranthene
Concen: 34.201 ng
RT: 15.074 min Scan# 2207
Delta R.T. -0.035 min
Lab File: BF141968.D
Acq: 14 Mar 2025 16:37

Tgt Ion:252 Resp: 514661
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 10.2 7.2 10.8





#90

Benzo(a)pyrene

Concen: 18.384 ng

RT: 15.445 min Scan# 21

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

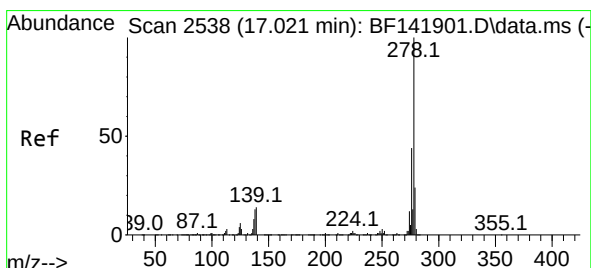
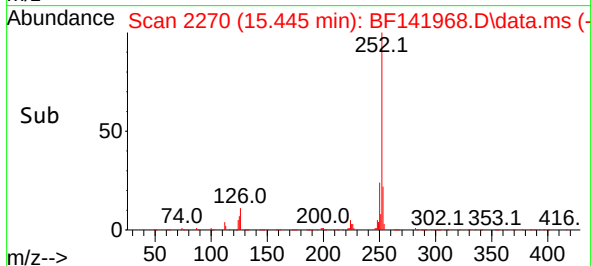
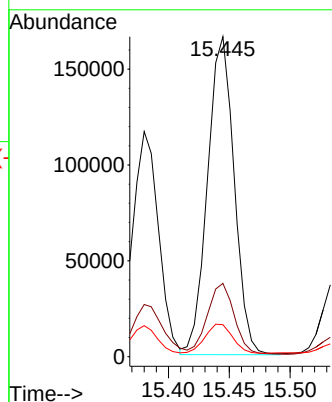
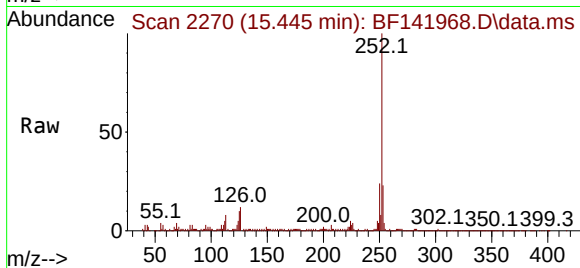
Tgt Ion:252 Resp: 252939

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# 2534

Delta R.T. -0.024 min

Lab File: BF141968.D

Acq: 14 Mar 2025 16:37

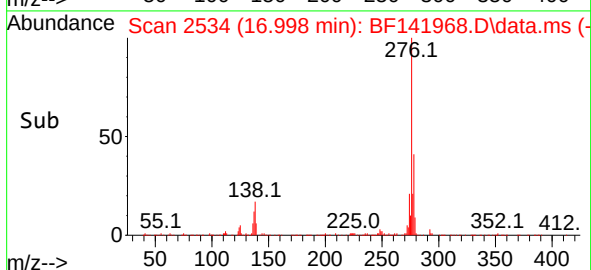
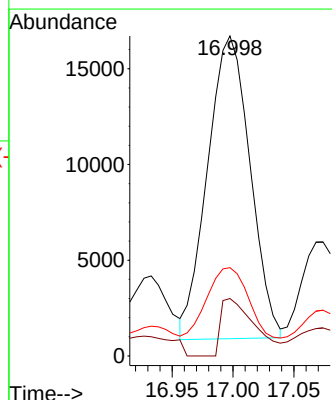
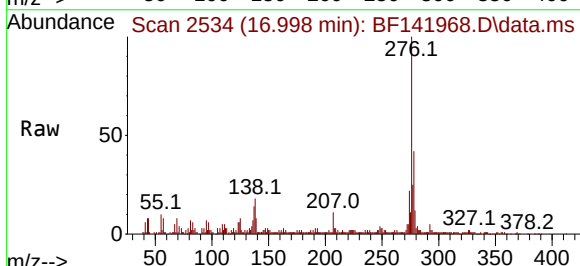
Tgt Ion:278 Resp: 38412

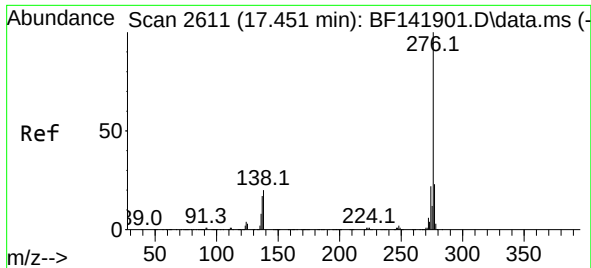
Ion Ratio Lower Upper

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# 20
 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:	276	Resp:	114584
Ion Ratio	Lower	Upper	
276	100		
277	24.3	18.7	28.1
138	20.9	15.8	23.8

