

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072021\
 Data File : BF124656.D
 Acq On : 21 Jul 2021 6:57
 Operator : JU/CG
 Sample : M3069-01 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-071621

Quant Time: Jul 21 07:26:25 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 20 13:36:28 2021
 Response via : Initial Calibration

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

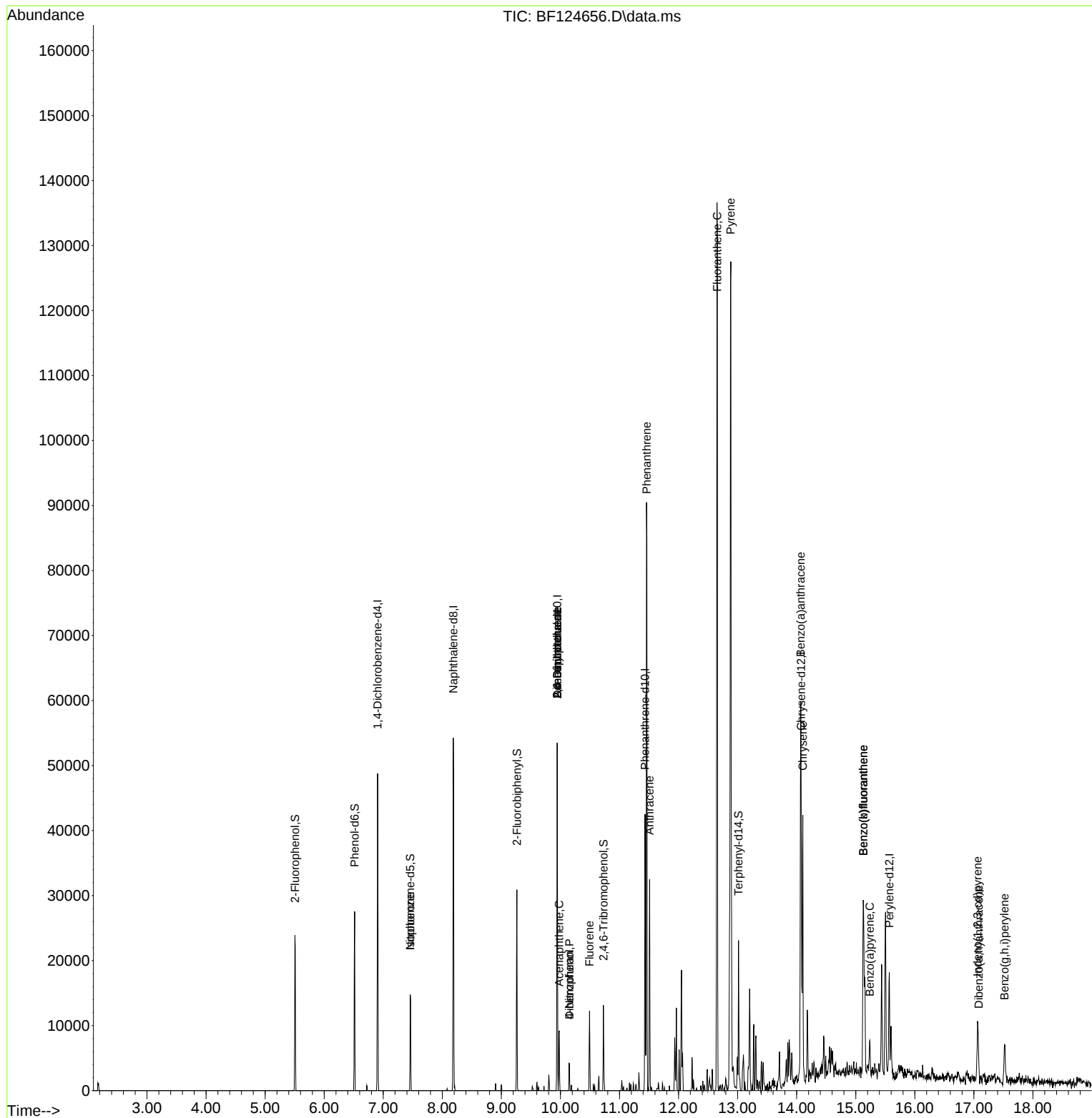
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	6625	20.00	ng	-0.01
21) Naphthalene-d8	8.186	136	23725	20.00	ng	-0.02
39) Acenaphthene-d10	9.945	164	10844	20.00	ng	-0.01
64) Phenanthrene-d10	11.433	188	16408	20.00	ng	-0.01
76) Chrysene-d12	14.074	240	10375	20.00	ng	-0.01
86) Perylene-d12	15.568	264	7867	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	7218	18.88	ng	-0.02
7) Phenol-d6	6.516	99	7563	16.26	ng	-0.03
23) Nitrobenzene-d5	7.457	82	4586	12.20	ng	-0.03
42) 2,4,6-Tribromophenol	10.727	330	1084	12.85	ng	-0.02
45) 2-Fluorobiphenyl	9.263	172	9254	12.44	ng	-0.02
79) Terphenyl-d14	13.015	244	7426	12.02	ng	-0.02
Target Compounds						
						Qvalue
25) Isophorone	7.457	82	4585	6.65	ng	# 59
50) Dimethylphthalate	9.945	163	1768	2.34	ng	# 1
51) 2,6-Dinitrotoluene	9.945	165	1153	7.75	ng	# 26
52) Acenaphthene	9.980	154	2466	3.83	ng	96
55) Dibenzofuran	10.151	168	2259	2.38	ng	92
56) 4-Nitrophenol	10.151	139	732	5.30	ng	# 10
57) 2,4-Dinitrotoluene	9.945	165	1153	5.66	ng	# 18
58) Fluorene	10.492	166	3380	4.61	ng	# 91
71) Phenanthrene	11.463	178	34989	39.09	ng	98
72) Anthracene	11.510	178	12353	13.76	ng	97
75) Fluoranthene	12.657	202	59499	65.88	ng	97
78) Pyrene	12.880	202	49301	57.19	ng	99
81) Benzo(a)anthracene	14.068	228	20188	29.34	ng	98
83) Chrysene	14.104	228	16645	25.25	ng	92
87) Indeno(1,2,3-cd)pyrene	17.062	276	6585	14.43	ng	96
88) Benzo(b)fluoranthene	15.127	252	24112	42.70	ng	98
89) Benzo(k)fluoranthene	15.127	252	24112	46.54	ng	# 93
90) Benzo(a)pyrene	15.239	252	2701	5.79	ng	93
91) Dibenzo(a,h)anthracene	17.080	278	1231	3.17	ng	# 54
92) Benzo(g,h,i)perylene	17.521	276	5574	14.70	ng	# 90

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

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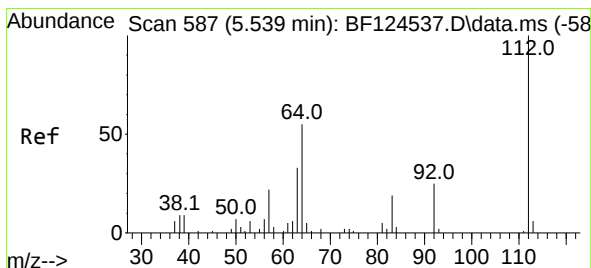
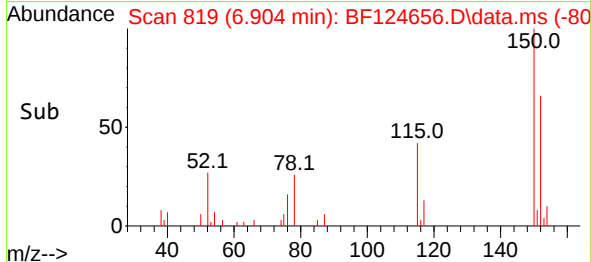
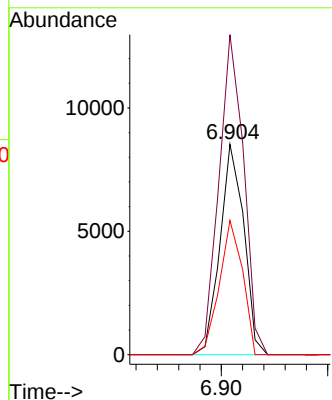
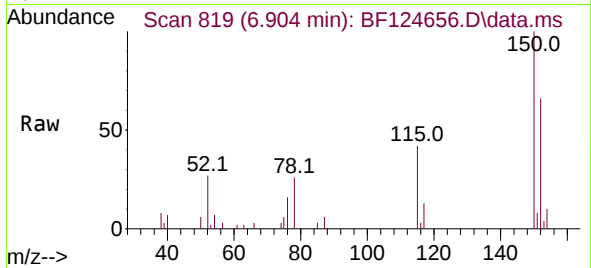




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.904 min Scan# 819
Delta R.T. -0.012 min
Lab File: BF124656.D
Acq: 21 Jul 2021 6:57

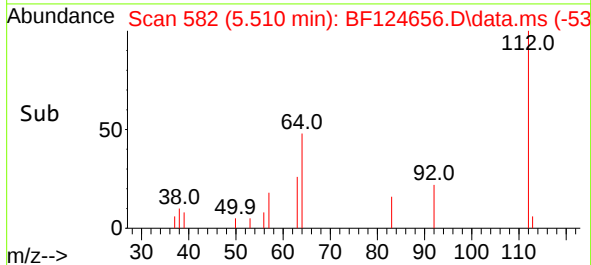
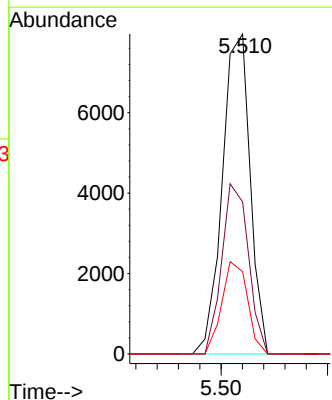
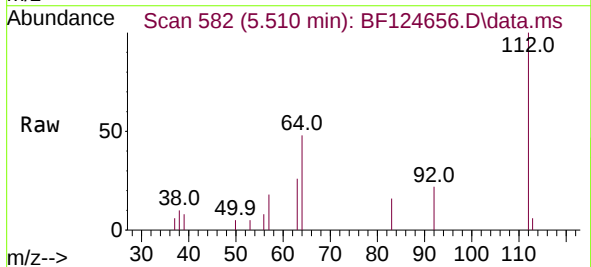
Instrument :
BNA_F
ClientSampleId :
CL-01-071621

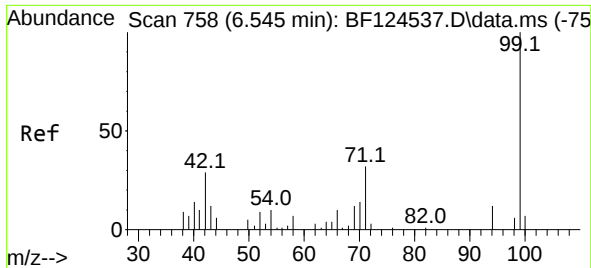
Tgt Ion:152 Resp: 6625
Ion Ratio Lower Upper
152 100
150 152.1 117.6 176.4
115 63.8 47.1 70.7



#5
2-Fluorophenol
Concen: 18.88 ng
RT: 5.510 min Scan# 582
Delta R.T. -0.023 min
Lab File: BF124656.D
Acq: 21 Jul 2021 6:57

Tgt Ion:112 Resp: 7218
Ion Ratio Lower Upper
112 100
64 47.6 44.2 66.2
63 25.7 26.2 39.2#

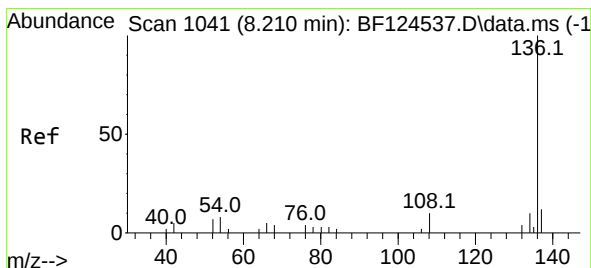
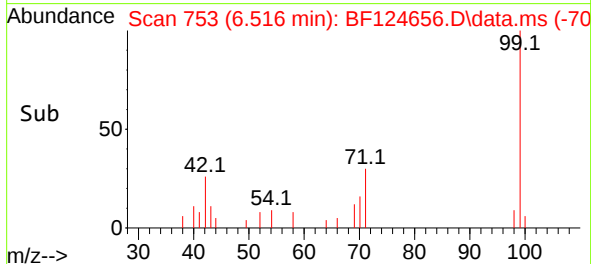
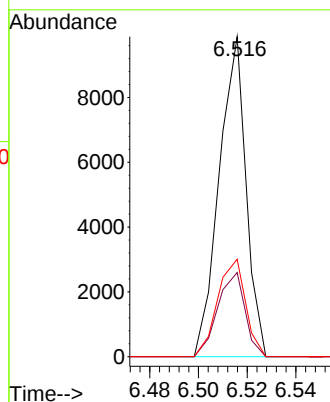
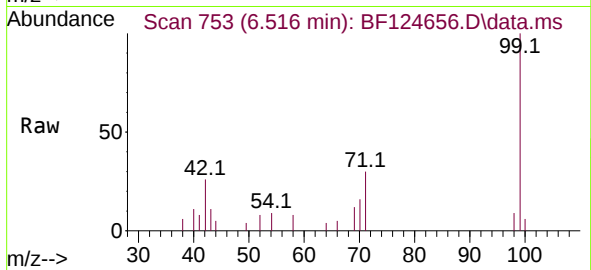




#7
Phenol-d6
Concen: 16.26 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.029 min
Lab File: BF124656.D
Acq: 21 Jul 2021 6:57

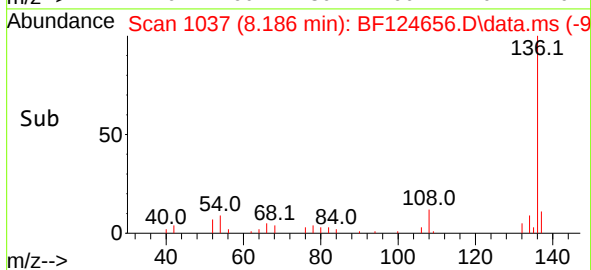
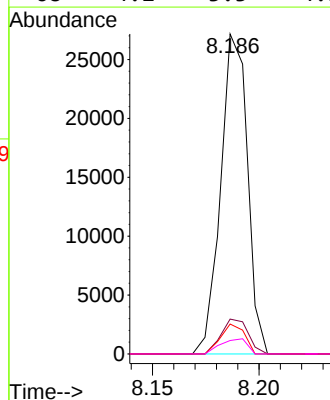
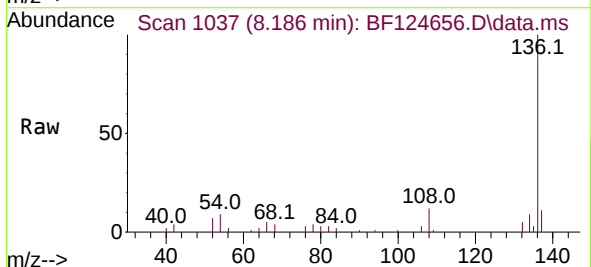
Instrument :
BNA_F
ClientSampled :
CL-01-071621

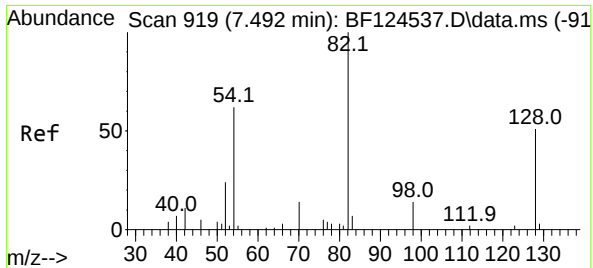
Tgt Ion:	99	Resp:	7563
Ion	Ratio	Lower	Upper
99	100		
42	26.3	23.5	35.3
71	30.5	25.6	38.4



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.186 min Scan# 1037
Delta R.T. -0.018 min
Lab File: BF124656.D
Acq: 21 Jul 2021 6:57

Tgt Ion:	136	Resp:	23725
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.8	14.6
54	9.4	6.4	9.6
68	4.2	3.3	4.9

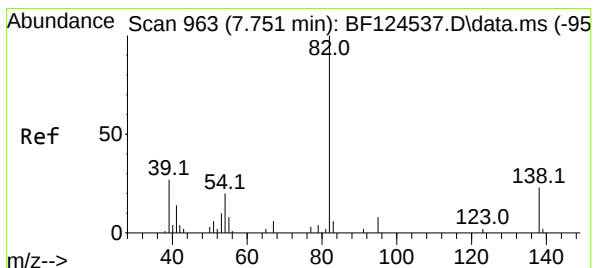
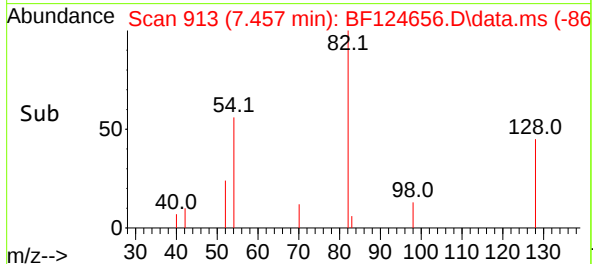
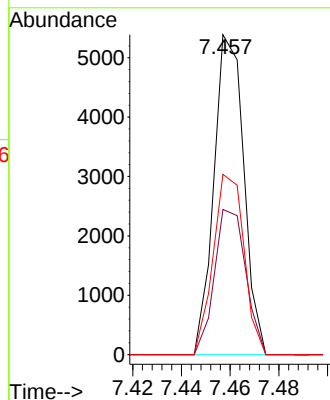
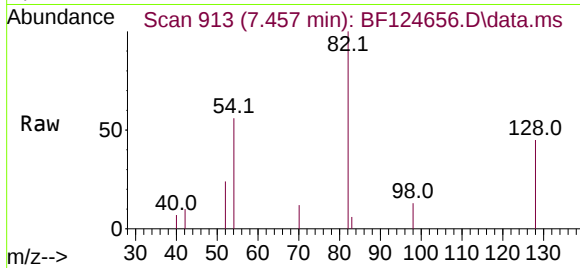




#23
Nitrobenzene-d5
Concen: 12.20 ng
RT: 7.457 min Scan# 913
Delta R.T. -0.029 min
Lab File: BF124656.D
Acq: 21 Jul 2021 6:57

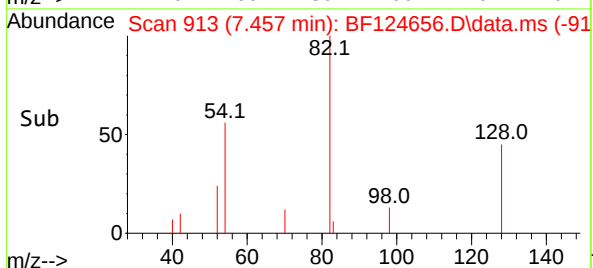
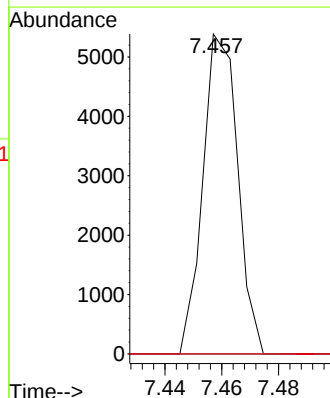
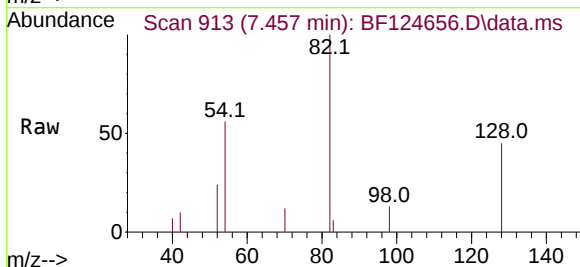
Instrument :
BNA_F
ClientSampleId :
CL-01-071621

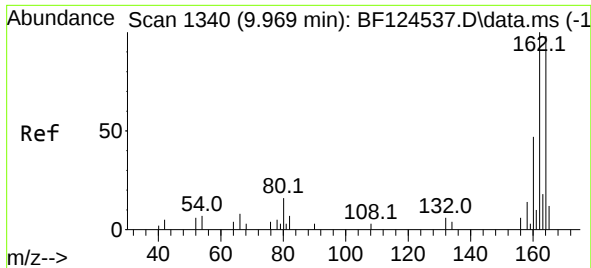
Tgt Ion:	82	Resp:	4586
Ion	Ratio	Lower	Upper
82	100		
128	45.4	40.6	60.8
54	56.3	49.6	74.4



#25
Isophorone
Concen: 6.65 ng
RT: 7.457 min Scan# 913
Delta R.T. -0.288 min
Lab File: BF124656.D
Acq: 21 Jul 2021 6:57

Tgt Ion:	82	Resp:	4585
Ion	Ratio	Lower	Upper
82	100		
95	0.0	6.5	9.7#
138	0.0	18.4	27.6#

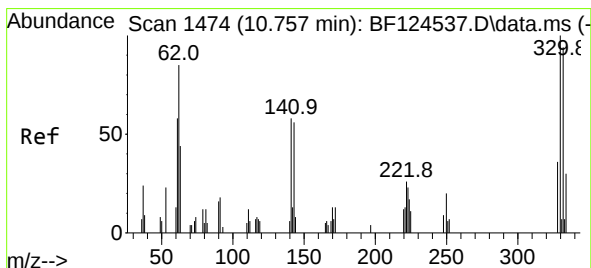
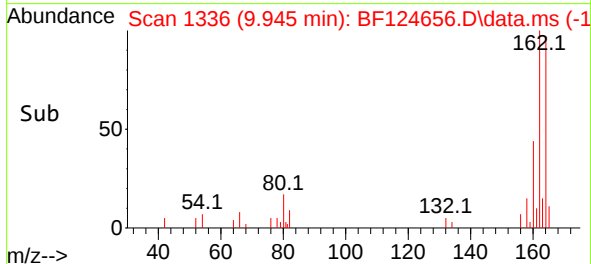
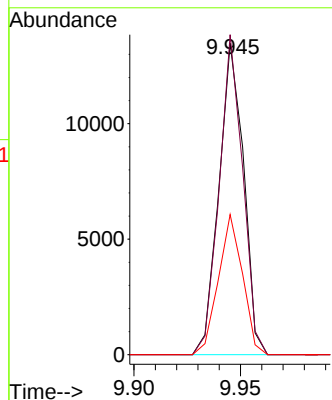
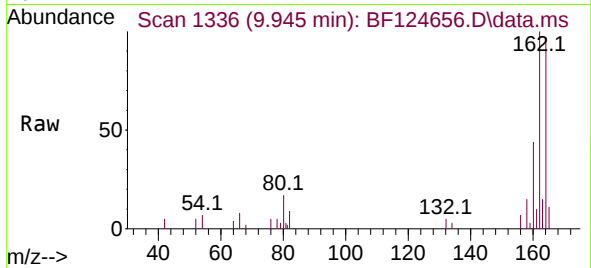




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.945 min Scan# 1336
Delta R.T. -0.012 min
Lab File: BF124656.D
Acq: 21 Jul 2021 6:57

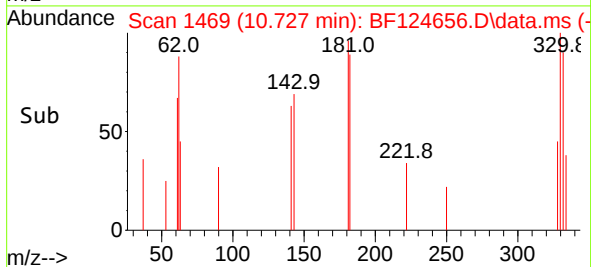
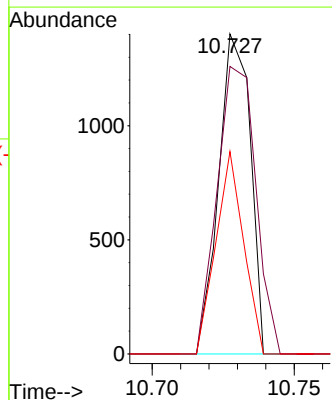
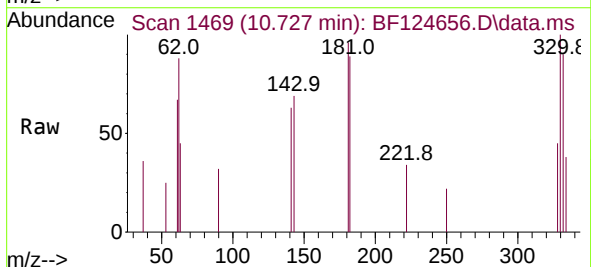
Instrument :
BNA_F
ClientSampleId :
CL-01-071621

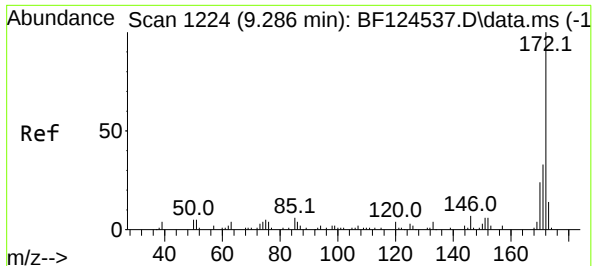
Tgt Ion:164 Resp: 10844
Ion Ratio Lower Upper
164 100
162 102.8 81.3 121.9
160 45.0 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 12.85 ng
RT: 10.727 min Scan# 1469
Delta R.T. -0.023 min
Lab File: BF124656.D
Acq: 21 Jul 2021 6:57

Tgt Ion:330 Resp: 1084
Ion Ratio Lower Upper
330 100
332 110.1 76.2 114.4
141 55.5 44.6 66.8

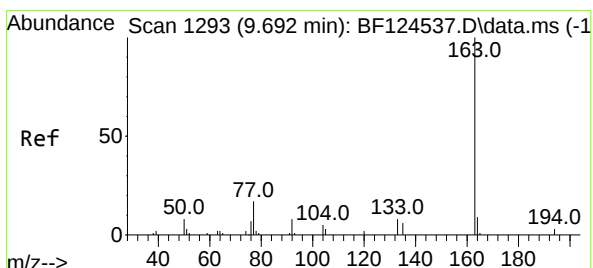
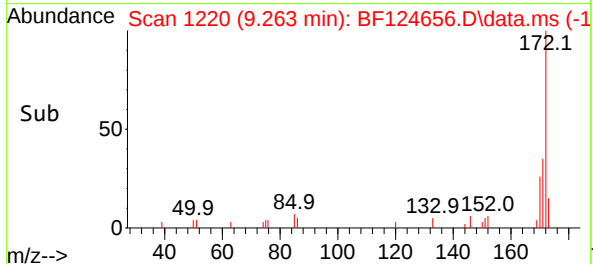
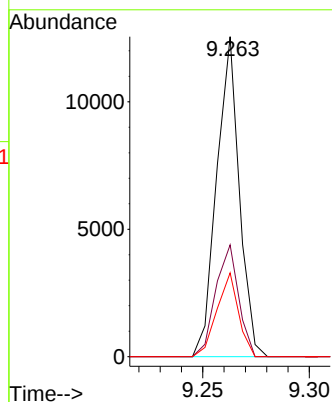
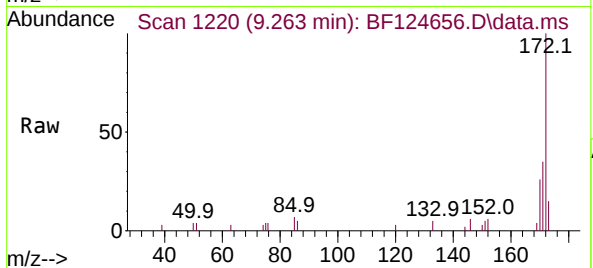




#45
2-Fluorobiphenyl
Concen: 12.44 ng
RT: 9.263 min Scan# 1220
Delta R.T. -0.018 min
Lab File: BF124656.D
Acq: 21 Jul 2021 6:57

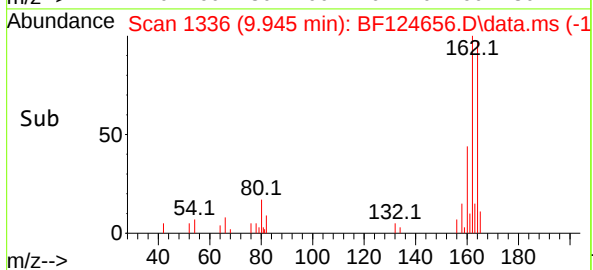
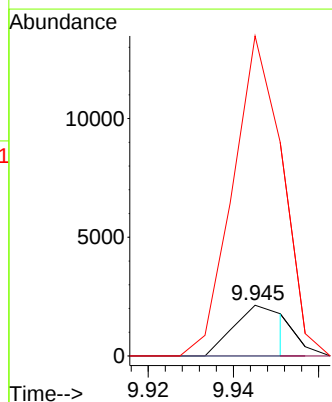
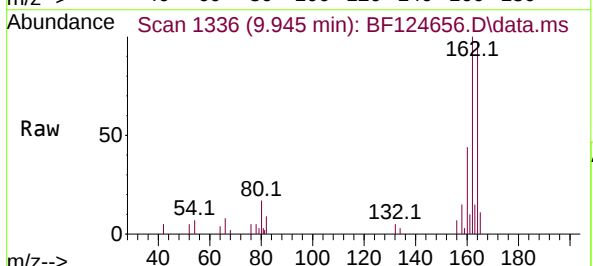
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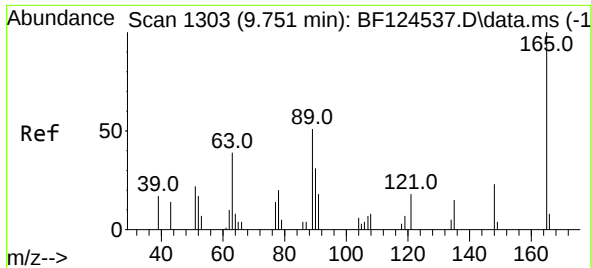
Tgt Ion:172	Resp:	9254
Ion Ratio	Lower	Upper
172	100	
171	35.0	26.5 39.7
170	26.2	18.8 28.2



#50
Dimethylphthalate
Concen: 2.34 ng
RT: 9.945 min Scan# 1336
Delta R.T. 0.259 min
Lab File: BF124656.D
Acq: 21 Jul 2021 6:57

Tgt Ion:163	Resp:	1768
Ion Ratio	Lower	Upper
163	100	
194	0.0	2.6 3.8#
164	629.8	7.4 11.0#

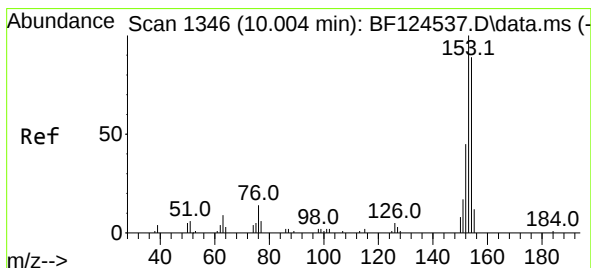
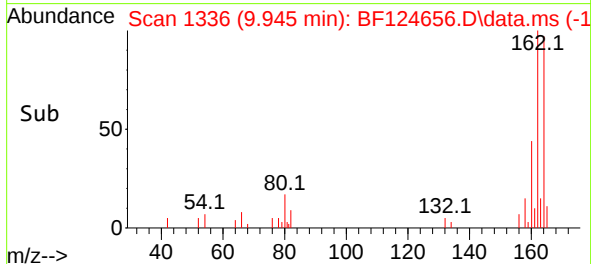
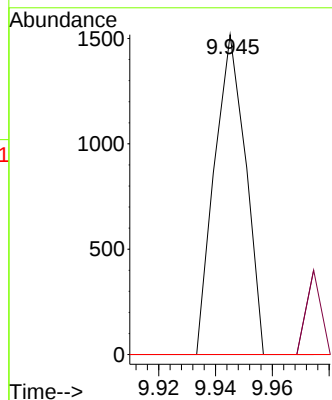
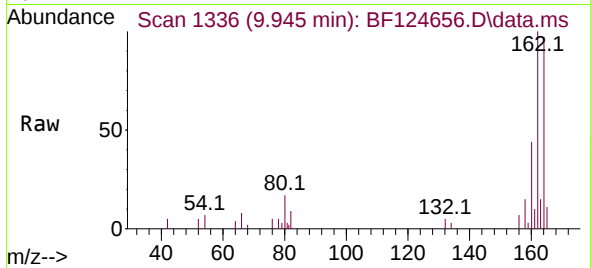




#51
2,6-Dinitrotoluene
Concen: 7.75 ng
RT: 9.945 min Scan# 1336
Delta R.T. 0.200 min
Lab File: BF124656.D
Acq: 21 Jul 2021 6:57

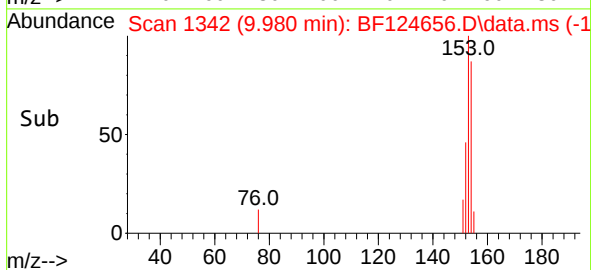
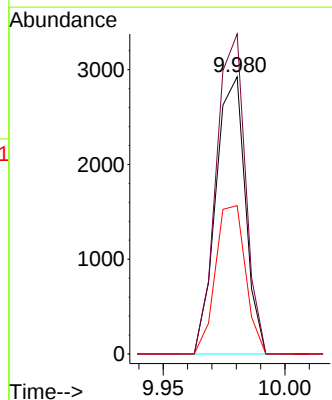
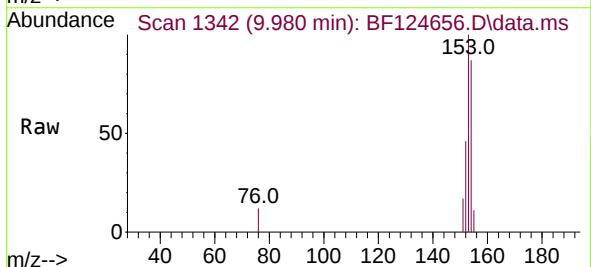
Instrument :
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ClientSampleId :
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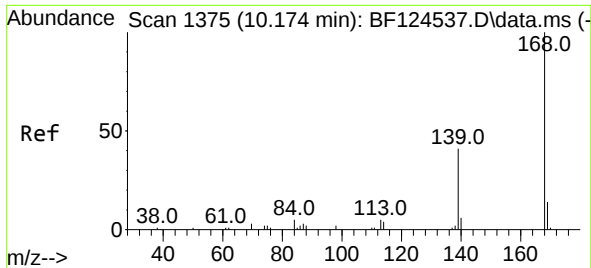
Tgt Ion:165 Resp: 1153
Ion Ratio Lower Upper
165 100
63 0.0 42.6 63.8#
89 0.0 40.6 60.8#



#52
Acenaphthene
Concen: 3.83 ng
RT: 9.980 min Scan# 1342
Delta R.T. -0.018 min
Lab File: BF124656.D
Acq: 21 Jul 2021 6:57

Tgt Ion:154 Resp: 2466
Ion Ratio Lower Upper
154 100
153 115.5 89.4 134.2
152 53.5 40.5 60.7

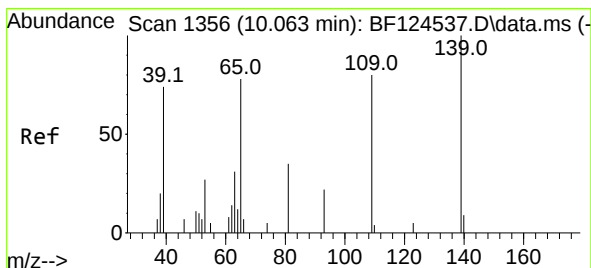
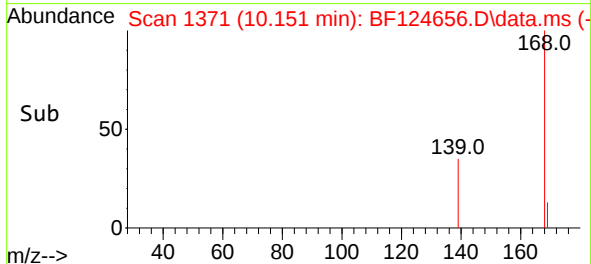
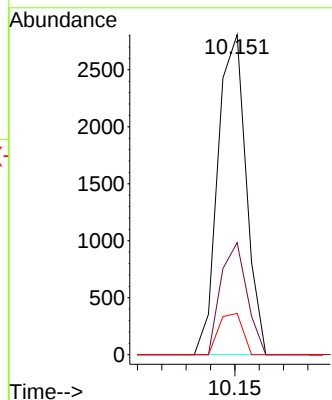
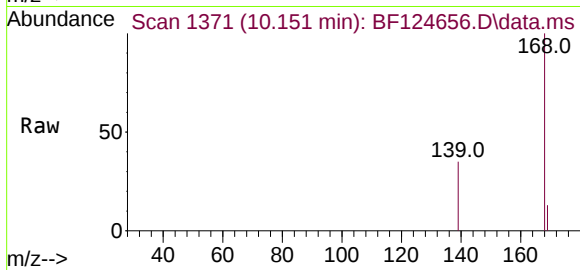




#55
Dibenzenofuran
Concen: 2.38 ng
RT: 10.151 min Scan# 1371
Delta R.T. -0.018 min
Lab File: BF124656.D
Acq: 21 Jul 2021 6:57

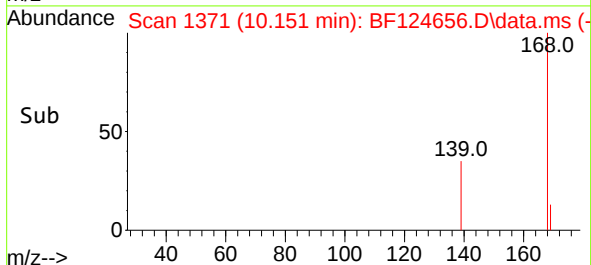
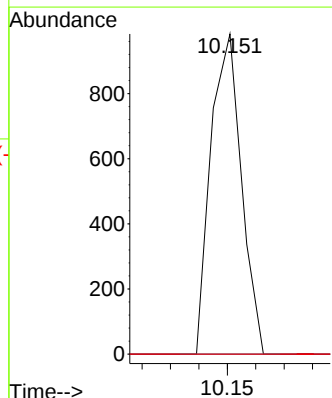
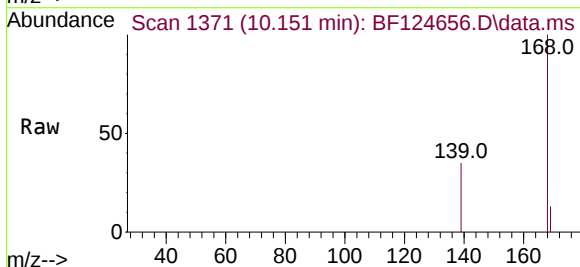
Instrument :
BNA_F
ClientSampleId :
CL-01-071621

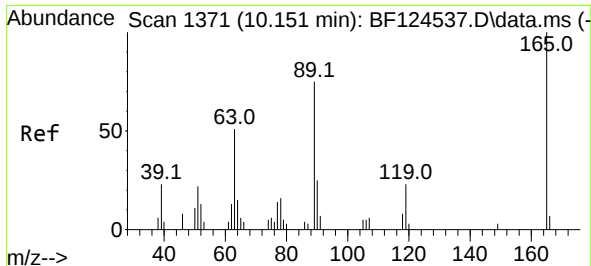
Tgt Ion:168	Resp:	2259
Ion Ratio	Lower	Upper
168	100	
139	35.0	32.7 49.1
169	12.9	11.2 16.8



#56
4-Nitrophenol
Concen: 5.30 ng
RT: 10.151 min Scan# 1371
Delta R.T. 0.094 min
Lab File: BF124656.D
Acq: 21 Jul 2021 6:57

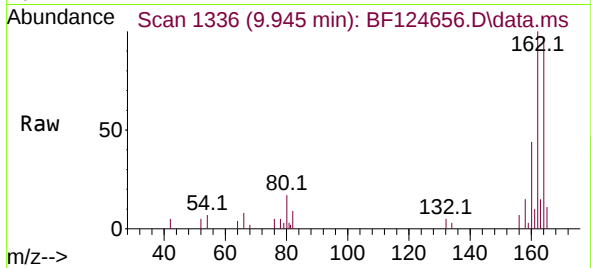
Tgt Ion:139	Resp:	732
Ion Ratio	Lower	Upper
139	100	
109	0.0	60.4 100.4#
65	0.0	58.4 98.4#



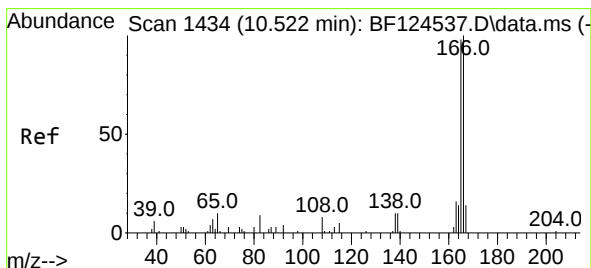
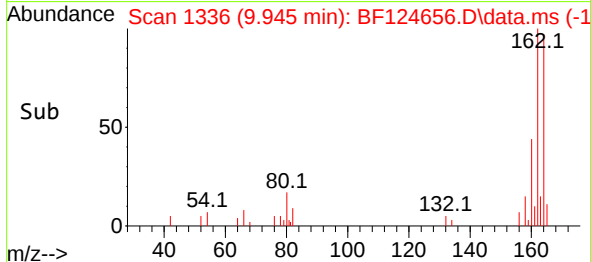
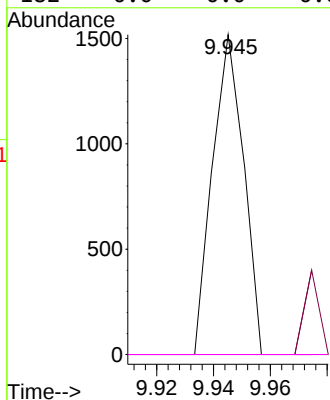


#57
2,4-Dinitrotoluene
Concen: 5.66 ng
RT: 9.945 min Scan# 1336
Delta R.T. -0.200 min
Lab File: BF124656.D
Acq: 21 Jul 2021 6:57

Instrument :
BNA_F
ClientSampleId :
CL-01-071621

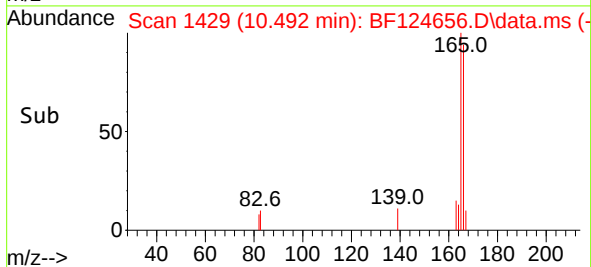
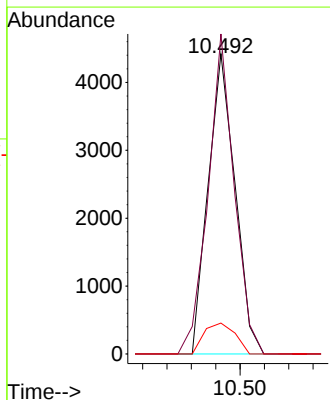
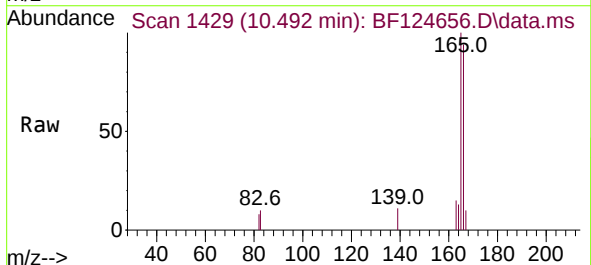


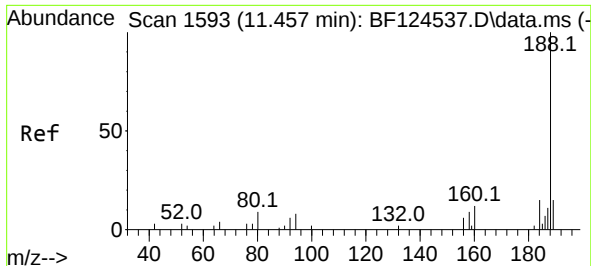
Tgt Ion:165 Resp: 1153
Ion Ratio Lower Upper
165 100
63 0.0 40.9 61.3#
89 0.0 59.7 89.5#
182 0.0 0.0 0.0



#58
Fluorene
Concen: 4.61 ng
RT: 10.492 min Scan# 1429
Delta R.T. -0.018 min
Lab File: BF124656.D
Acq: 21 Jul 2021 6:57

Tgt Ion:166 Resp: 3380
Ion Ratio Lower Upper
166 100
165 106.5 78.1 117.1
167 10.3 11.1 16.7#

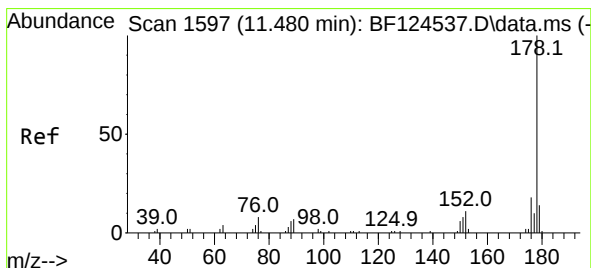
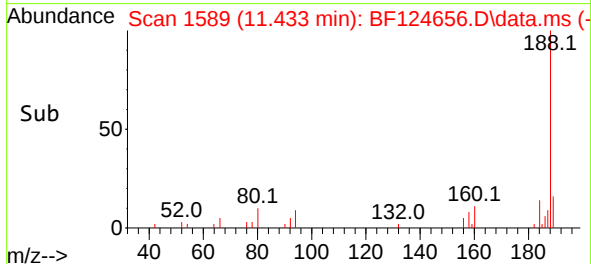
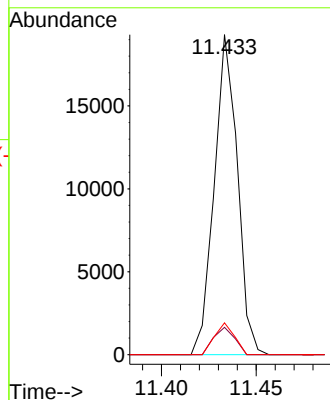
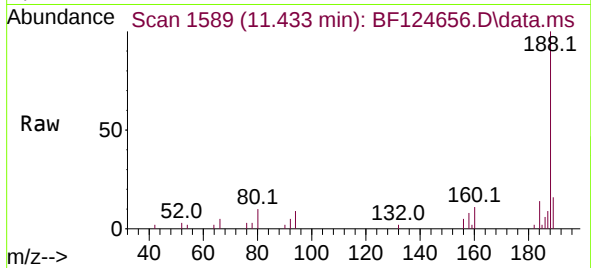




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.012 min
Lab File: BF124656.D
Acq: 21 Jul 2021 6:57

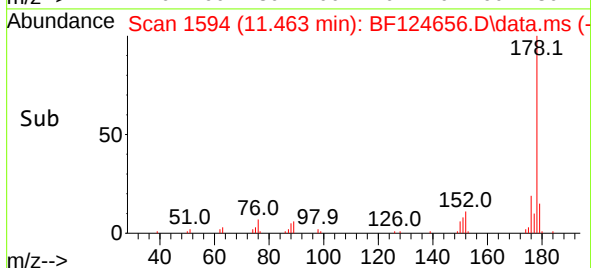
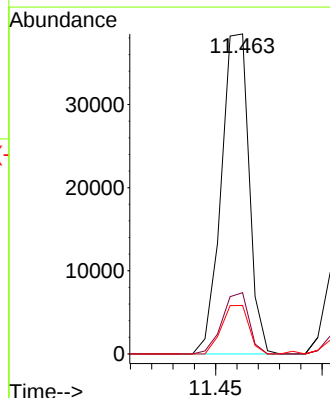
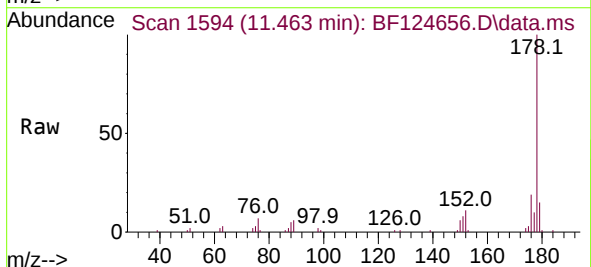
Instrument :
BNA_F
ClientSampleId :
CL-01-071621

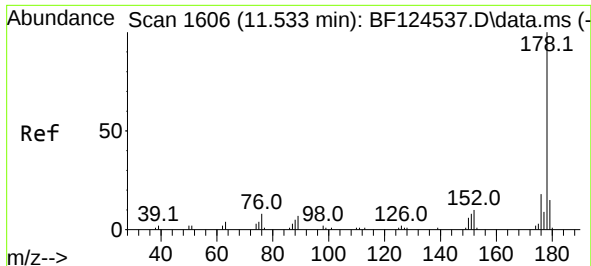
Tgt Ion:188 Resp: 16408
Ion Ratio Lower Upper
188 100
94 8.6 6.7 10.1
80 9.9 7.5 11.3



#71
Phenanthrene
Concen: 39.09 ng
RT: 11.463 min Scan# 1594
Delta R.T. -0.012 min
Lab File: BF124656.D
Acq: 21 Jul 2021 6:57

Tgt Ion:178 Resp: 34989
Ion Ratio Lower Upper
178 100
176 19.2 14.7 22.1
179 15.2 11.5 17.3

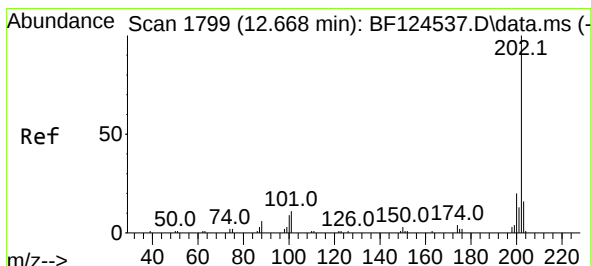
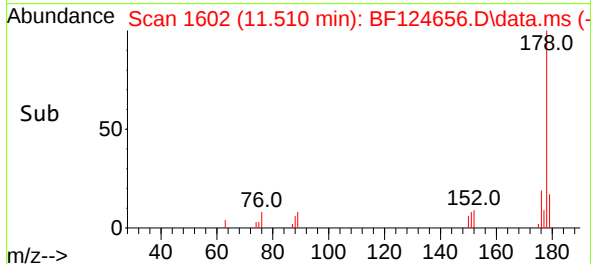
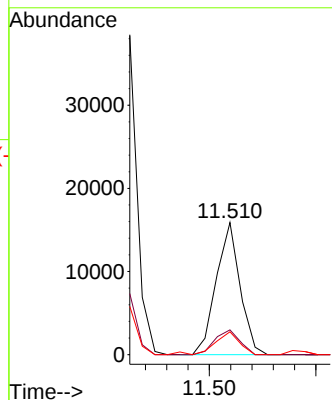
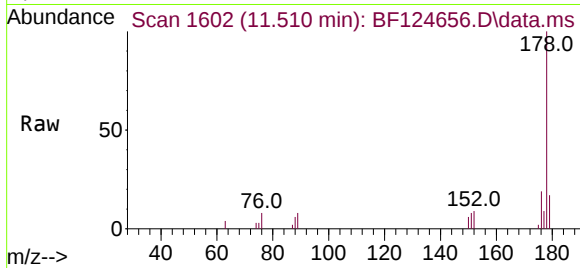




#72
 Anthracene
 Concen: 13.76 ng
 RT: 11.510 min Scan# 1602
 Delta R.T. -0.012 min
 Lab File: BF124656.D
 Acq: 21 Jul 2021 6:57

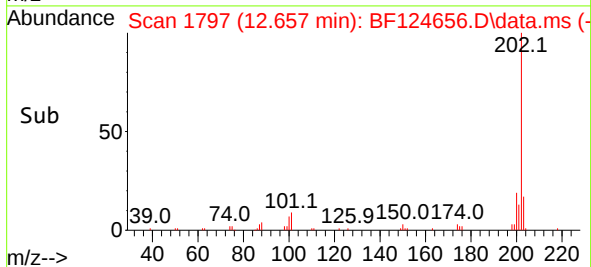
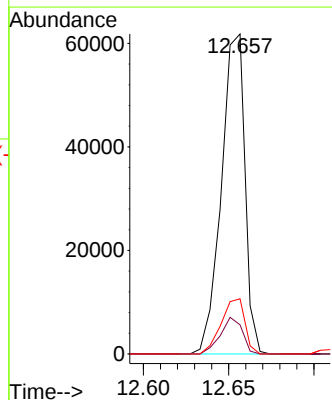
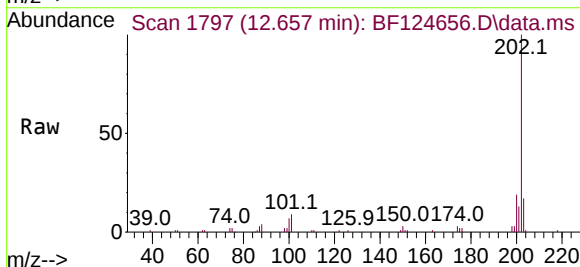
Instrument :
 BNA_F
 ClientSampleId :
 CL-01-071621

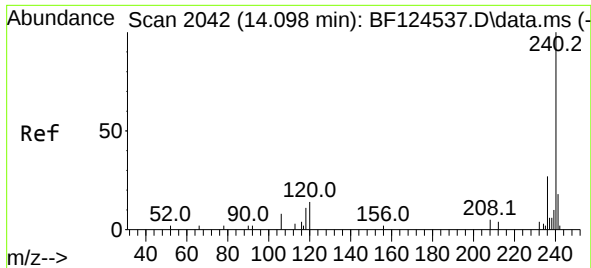
Tgt Ion:178 Resp: 12353
 Ion Ratio Lower Upper
 178 100
 176 18.8 14.3 21.5
 179 17.3 12.2 18.4



#75
 Fluoranthene
 Concen: 65.88 ng
 RT: 12.657 min Scan# 1797
 Delta R.T. -0.006 min
 Lab File: BF124656.D
 Acq: 21 Jul 2021 6:57

Tgt Ion:202 Resp: 59499
 Ion Ratio Lower Upper
 202 100
 101 9.1 0.0 30.7
 203 17.2 0.0 36.3

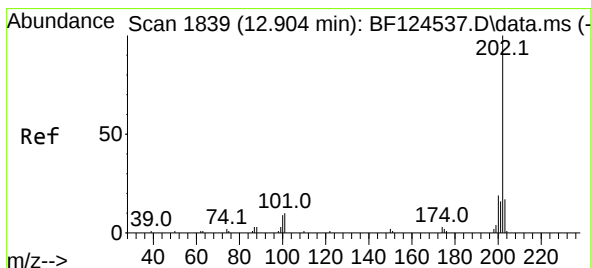
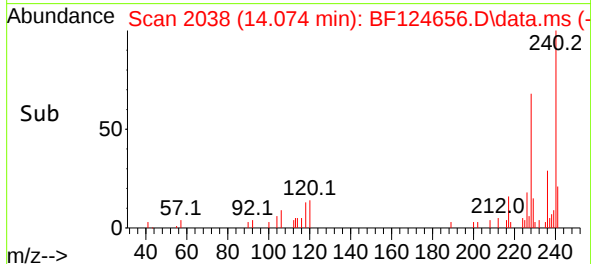
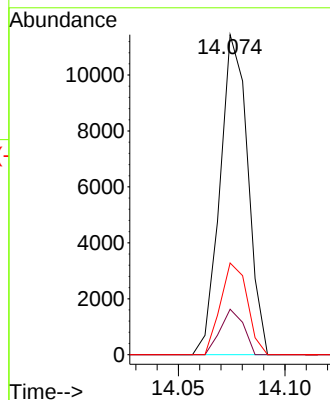
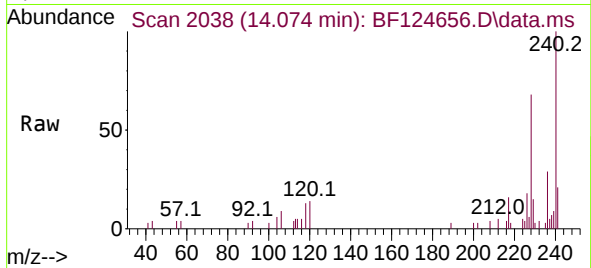




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.012 min
Lab File: BF124656.D
Acq: 21 Jul 2021 6:57

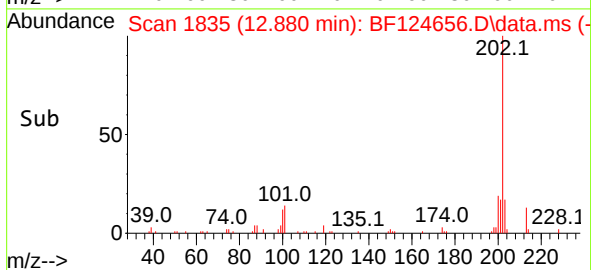
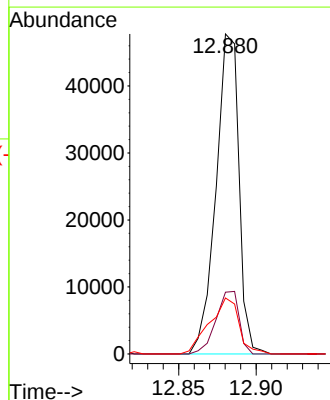
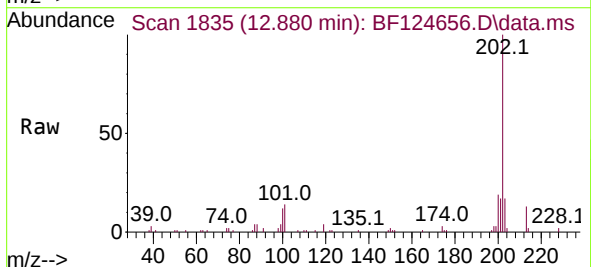
Instrument :
BNA_F
ClientSampleId :
CL-01-071621

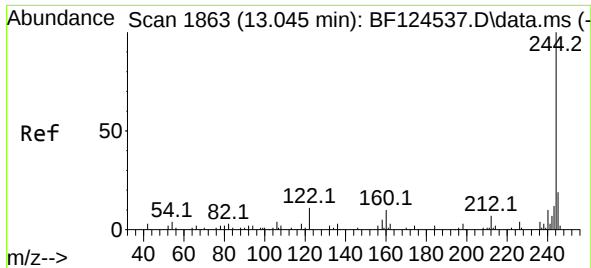
Tgt Ion:240 Resp: 10375
Ion Ratio Lower Upper
240 100
120 14.2 10.8 16.2
236 28.7 21.6 32.4



#78
Pyrene
Concen: 57.19 ng
RT: 12.880 min Scan# 1835
Delta R.T. -0.012 min
Lab File: BF124656.D
Acq: 21 Jul 2021 6:57

Tgt Ion:202 Resp: 49301
Ion Ratio Lower Upper
202 100
200 19.3 15.3 22.9
203 17.5 13.4 20.0

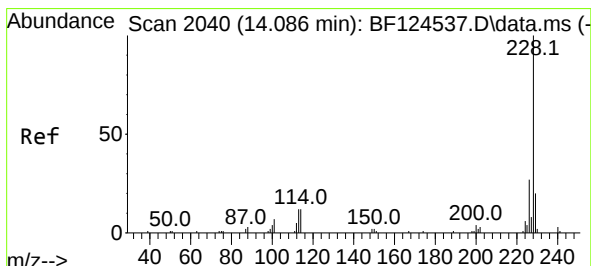
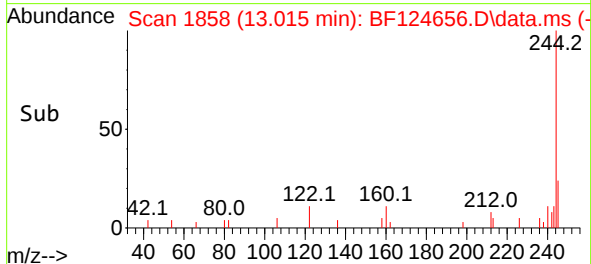
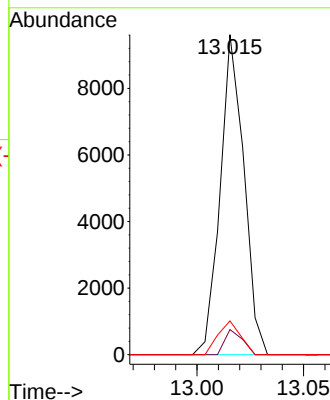
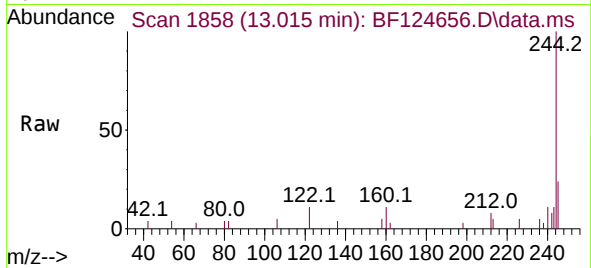




#79
 Terphenyl-d14
 Concen: 12.02 ng
 RT: 13.015 min Scan# 1858
 Delta R.T. -0.018 min
 Lab File: BF124656.D
 Acq: 21 Jul 2021 6:57

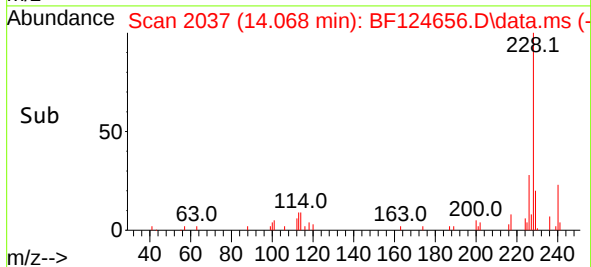
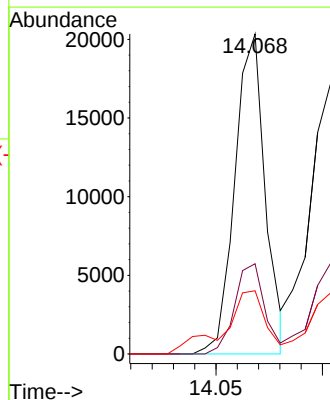
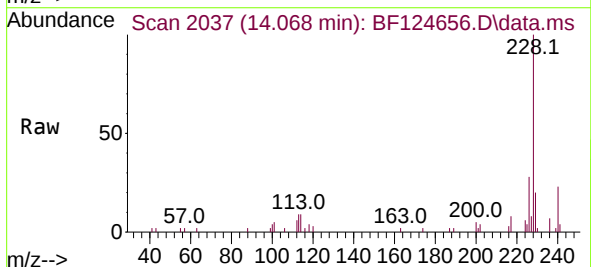
Instrument :
 BNA_F
 ClientSampleId :
 CL-01-071621

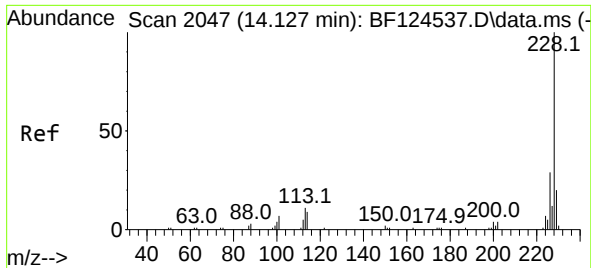
Tgt Ion:244 Resp: 7426
 Ion Ratio Lower Upper
 244 100
 212 7.8 5.9 8.9
 122 10.6 9.0 13.4



#81
 Benzo(a)anthracene
 Concen: 29.34 ng
 RT: 14.068 min Scan# 2037
 Delta R.T. -0.006 min
 Lab File: BF124656.D
 Acq: 21 Jul 2021 6:57

Tgt Ion:228 Resp: 20188
 Ion Ratio Lower Upper
 228 100
 226 28.2 21.6 32.4
 229 19.8 15.6 23.4

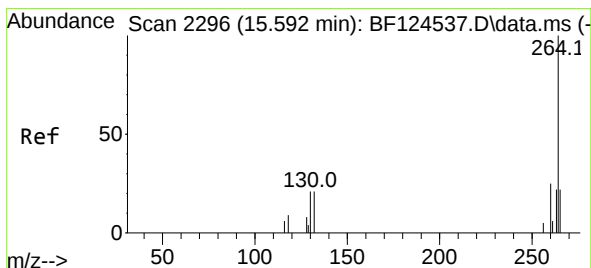
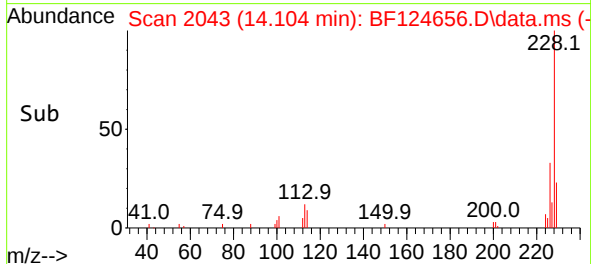
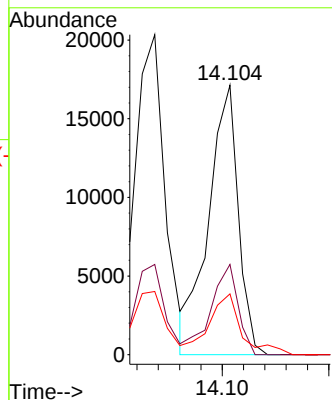
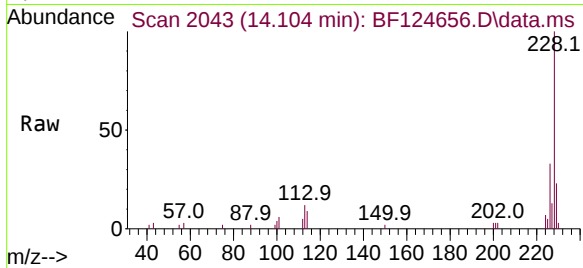




#83
Chrysene
Concen: 25.25 ng
RT: 14.104 min Scan# 2043
Delta R.T. -0.012 min
Lab File: BF124656.D
Acq: 21 Jul 2021 6:57

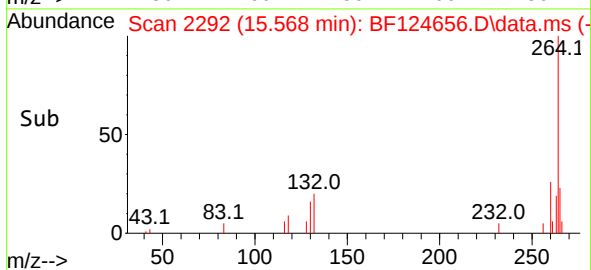
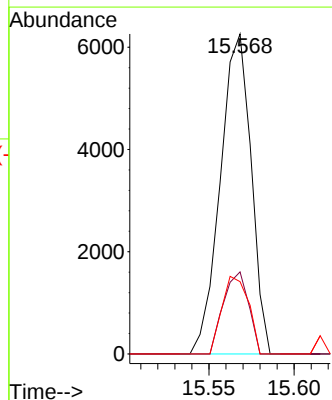
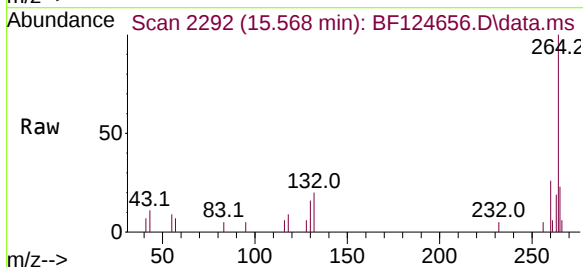
Instrument :
BNA_F
ClientSampled :
CL-01-071621

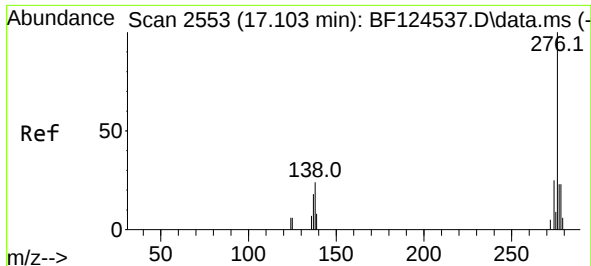
Tgt Ion:228	Resp:	16645
Ion Ratio	Lower	Upper
228	100	
226	33.5	22.6 34.0
229	22.6	15.9 23.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.568 min Scan# 2292
Delta R.T. 0.000 min
Lab File: BF124656.D
Acq: 21 Jul 2021 6:57

Tgt Ion:264	Resp:	7867
Ion Ratio	Lower	Upper
264	100	
260	25.6	19.6 29.4
265	22.6	17.2 25.8

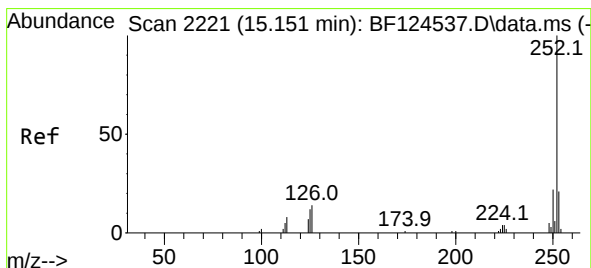
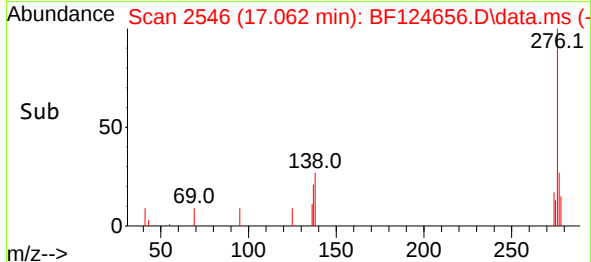
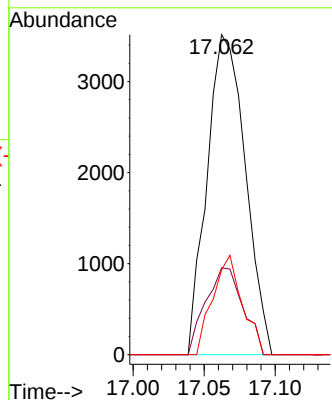
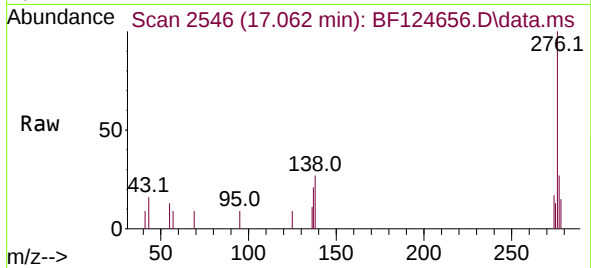




#87
Indeno(1,2,3-cd)pyrene
Concen: 14.43 ng
RT: 17.062 min Scan# 2546
Delta R.T. -0.018 min
Lab File: BF124656.D
Acq: 21 Jul 2021 6:57

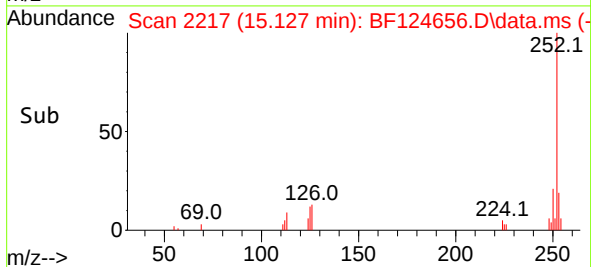
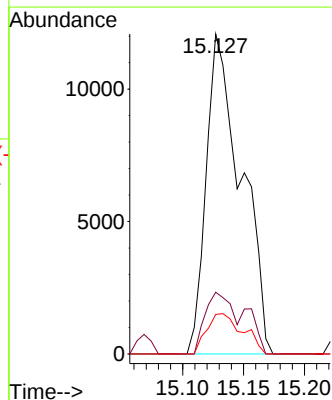
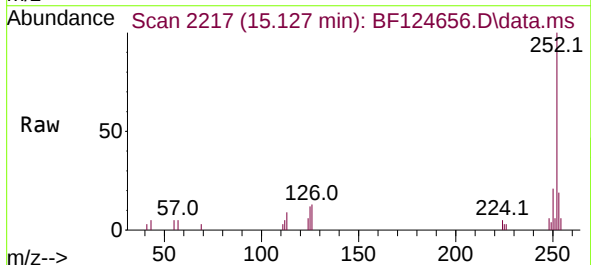
Instrument :
BNA_F
ClientSampled :
CL-01-071621

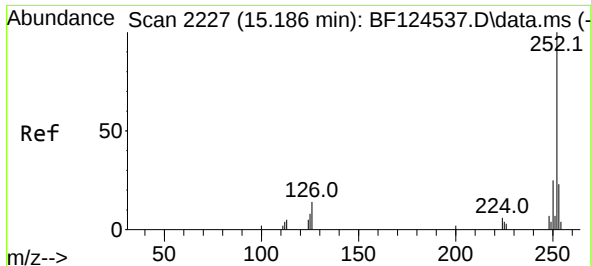
Tgt Ion:276 Resp: 6585
Ion Ratio Lower Upper
276 100
138 26.5 24.1 36.1
277 24.1 18.8 28.2



#88
Benzo(b)fluoranthene
Concen: 42.70 ng
RT: 15.127 min Scan# 2217
Delta R.T. -0.006 min
Lab File: BF124656.D
Acq: 21 Jul 2021 6:57

Tgt Ion:252 Resp: 24112
Ion Ratio Lower Upper
252 100
253 19.3 16.8 25.2
125 12.4 9.8 14.8





#89

Benzo(k)fluoranthene

Concen: 46.54 ng

RT: 15.127 min Scan# 2217

Delta R.T. -0.041 min

Lab File: BF124656.D

Acq: 21 Jul 2021 6:57

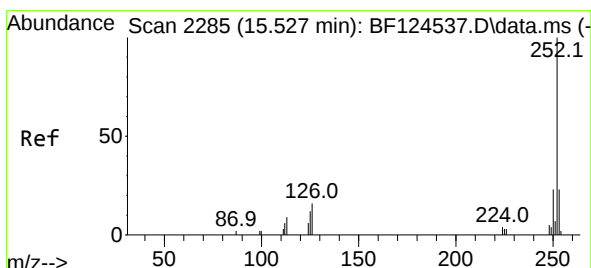
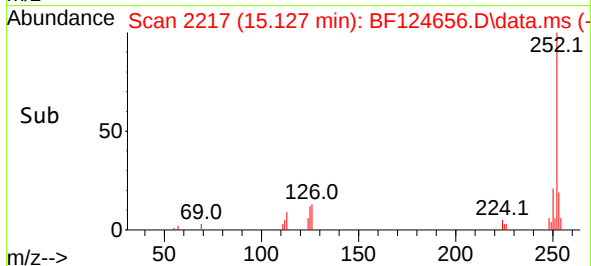
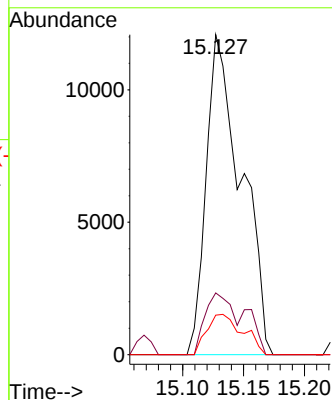
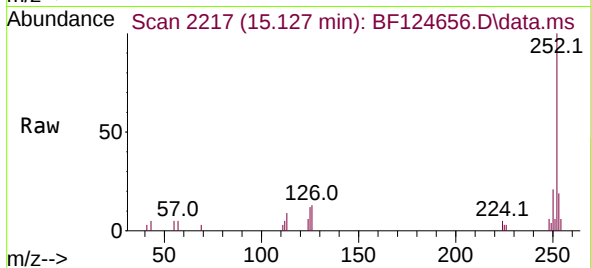
Tgt Ion:252	Resp:	24112
Ion Ratio	Lower	Upper
252	100	
253	19.3	17.8 26.8
125	12.4	7.2 10.8#

Instrument :

BNA_F

ClientSampleId :

CL-01-071621



#90

Benzo(a)pyrene

Concen: 5.79 ng

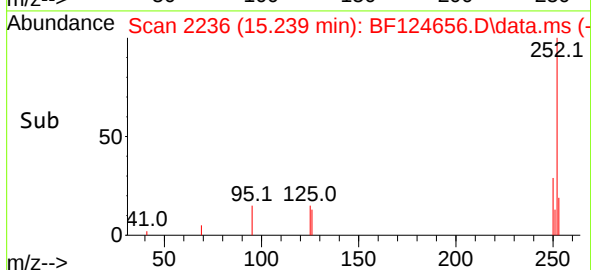
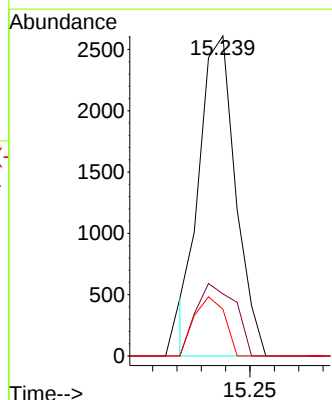
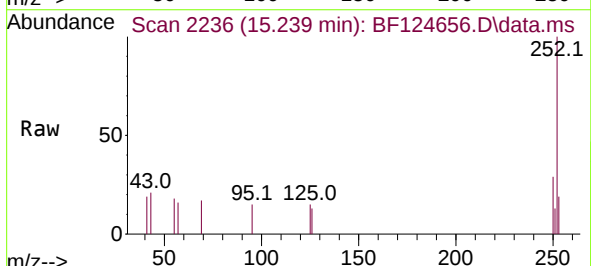
RT: 15.239 min Scan# 2236

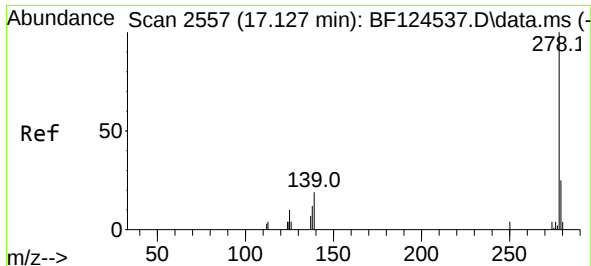
Delta R.T. -0.271 min

Lab File: BF124656.D

Acq: 21 Jul 2021 6:57

Tgt Ion:252	Resp:	2701
Ion Ratio	Lower	Upper
252	100	
253	19.4	18.4 27.6
125	14.6	9.9 14.9

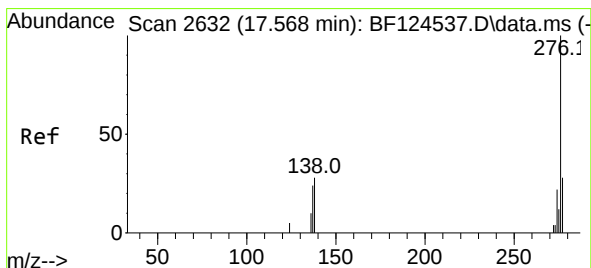
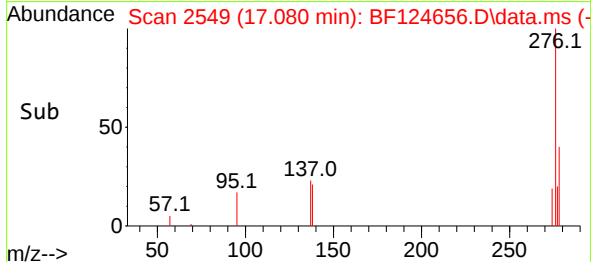
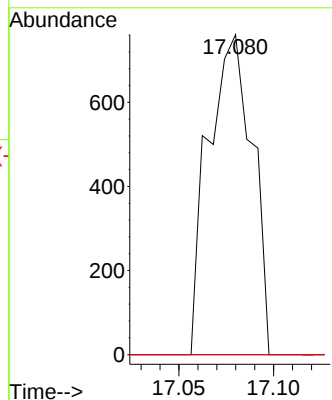
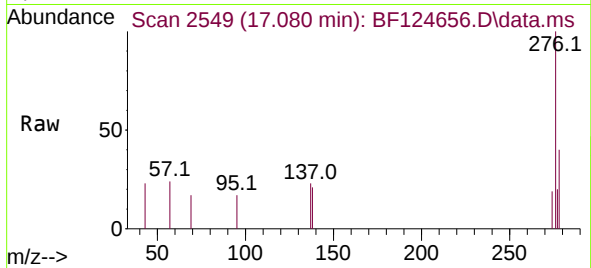




#91
Dibenzo(a,h)anthracene
Concen: 3.17 ng
RT: 17.080 min Scan# 2549
Delta R.T. -0.023 min
Lab File: BF124656.D
Acq: 21 Jul 2021 6:57

Instrument :
BNA_F
ClientSampleId :
CL-01-071621

Tgt Ion:278 Resp: 1231
Ion Ratio Lower Upper
278 100
139 0.0 14.9 22.3#
279 0.0 19.7 29.5#



#92
Benzo(g,h,i)perylene
Concen: 14.70 ng
RT: 17.521 min Scan# 2624
Delta R.T. -0.023 min
Lab File: BF124656.D
Acq: 21 Jul 2021 6:57

Tgt Ion:276 Resp: 5574
Ion Ratio Lower Upper
276 100
277 21.9 22.0 33.0#
138 23.3 22.2 33.4

