

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072021\
 Data File : BF124655.D
 Acq On : 21 Jul 2021 6:24
 Operator : JU/CG
 Sample : M3072-01 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-071621

Quant Time: Jul 21 06:55:49 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)

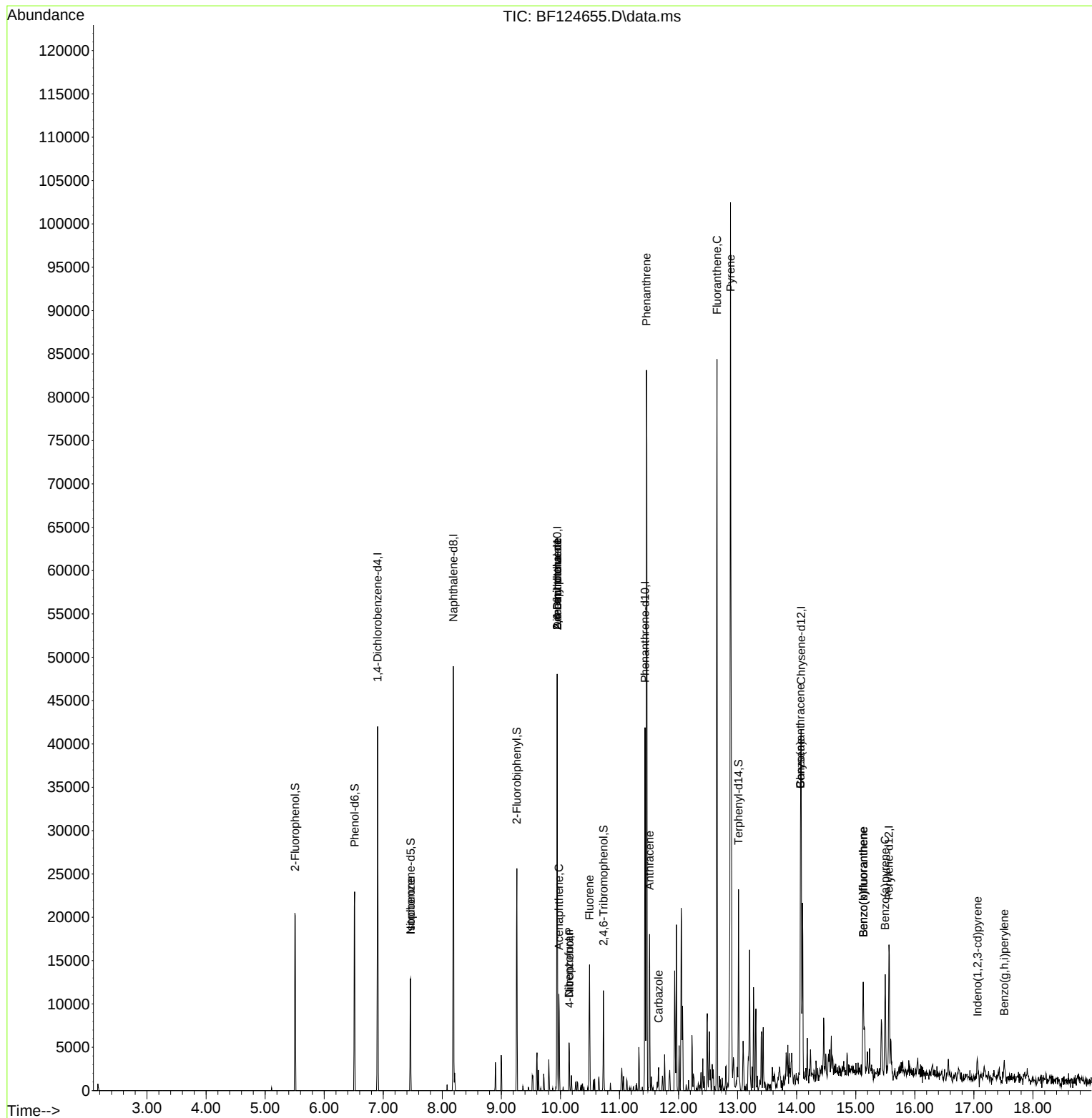
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	6018	20.00	ng	-0.01
21) Naphthalene-d8	8.186	136	21034	20.00	ng	#-0.02
39) Acenaphthene-d10	9.945	164	9455	20.00	ng	-0.01
64) Phenanthrene-d10	11.433	188	16237	20.00	ng	-0.01
76) Chrysene-d12	14.074	240	10606	20.00	ng	-0.01
86) Perylene-d12	15.562	264	7813	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	6232	17.94	ng	-0.02
7) Phenol-d6	6.516	99	6905	16.34	ng	-0.03
23) Nitrobenzene-d5	7.463	82	4001	12.01	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	1272	17.29	ng	-0.02
45) 2-Fluorobiphenyl	9.263	172	8257	12.73	ng	-0.02
79) Terphenyl-d14	13.015	244	7999	12.66	ng	-0.02
Target Compounds						Qvalue
25) Isophorone	7.463	82	4001	6.54	ng	# 59
50) Dimethylphthalate	9.945	163	1425	2.17	ng	# 1
51) 2,6-Dinitrotoluene	9.945	165	1195	9.21	ng	# 26
52) Acenaphthene	9.974	154	2868	5.11	ng	96
55) Dibenzofuran	10.145	168	2211	2.68	ng	# 96
56) 4-Nitrophenol	10.151	139	857	7.12	ng	# 10
57) 2,4-Dinitrotoluene	9.945	165	1195	6.73	ng	# 18
58) Fluorene	10.492	166	4163	6.52	ng	96
71) Phenanthrene	11.457	178	31680	35.76	ng	97
72) Anthracene	11.510	178	7654	8.61	ng	96
73) Carbazole	11.663	167	1668	2.03	ng	96
75) Fluoranthene	12.651	202	31392	35.12	ng	99
78) Pyrene	12.880	202	32146	36.48	ng	99
81) Benzo(a)anthracene	14.062	228	10920	15.52	ng	98
83) Chrysene	14.062	228	10920	16.21	ng	99
87) Indeno(1,2,3-cd)pyrene	17.062	276	2366	5.22	ng	# 63
88) Benzo(b)fluoranthene	15.127	252	9829	17.53	ng	# 89
89) Benzo(k)fluoranthene	15.127	252	9829	19.10	ng	# 87
90) Benzo(a)pyrene	15.498	252	5848	12.63	ng	# 96
92) Benzo(g,h,i)perylene	17.515	276	2265	6.02	ng	# 64

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

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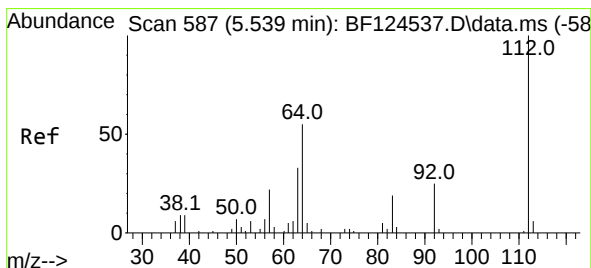
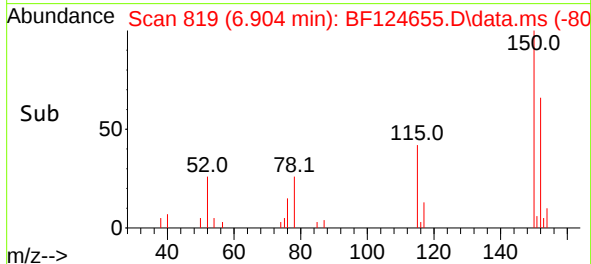
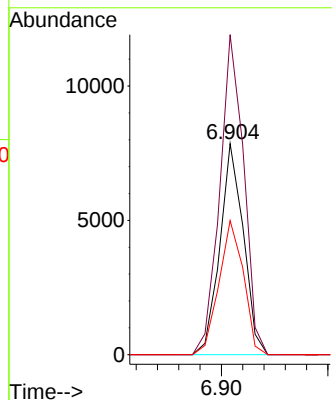
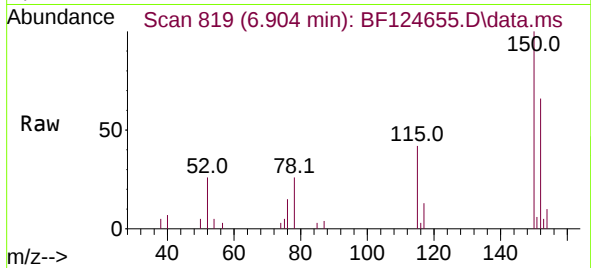




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.904 min Scan# 819
Delta R.T. -0.012 min
Lab File: BF124655.D
Acq: 21 Jul 2021 6:24

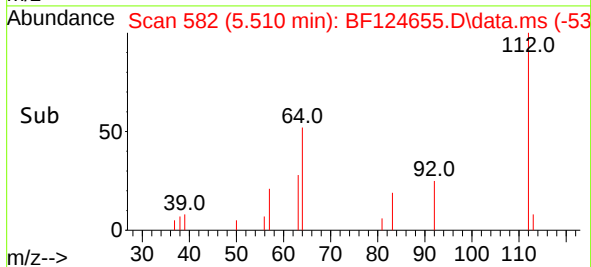
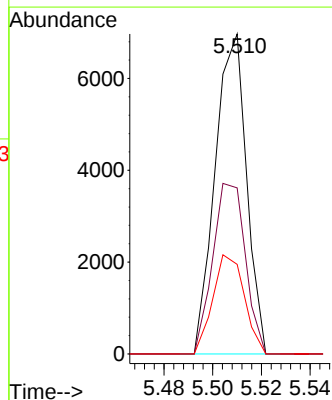
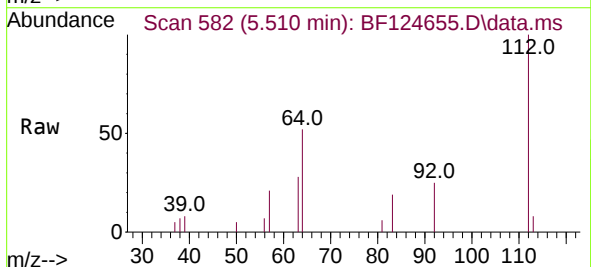
Instrument :
BNA_F
ClientSampleId :
OR-02-071621

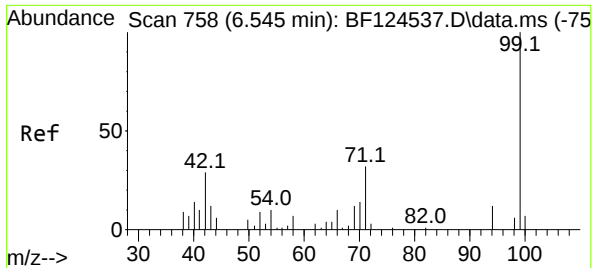
Tgt Ion:152 Resp: 6018
Ion Ratio Lower Upper
152 100
150 151.7 117.6 176.4
115 63.5 47.1 70.7



#5
2-Fluorophenol
Concen: 17.94 ng
RT: 5.510 min Scan# 582
Delta R.T. -0.024 min
Lab File: BF124655.D
Acq: 21 Jul 2021 6:24

Tgt Ion:112 Resp: 6232
Ion Ratio Lower Upper
112 100
64 51.9 44.2 66.2
63 28.0 26.2 39.2

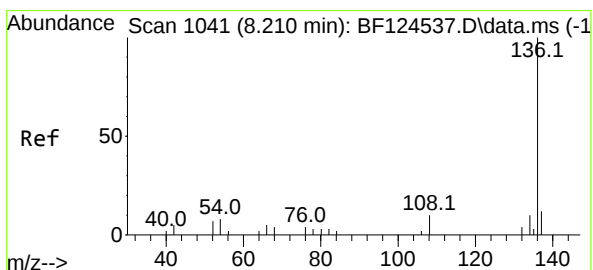
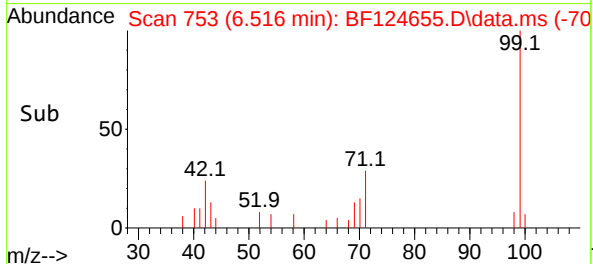
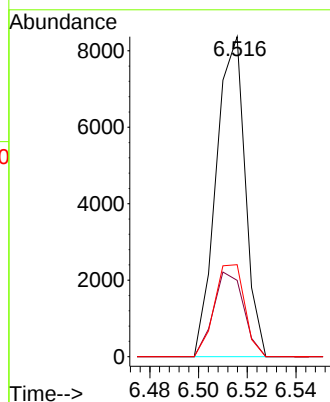
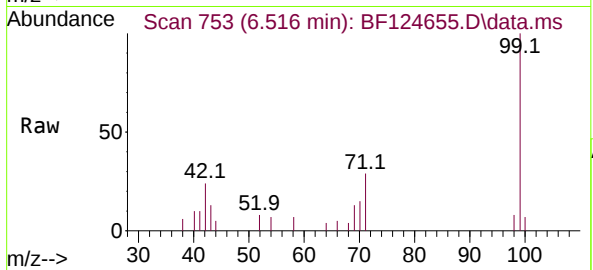




#7
Phenol-d6
Concen: 16.34 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.029 min
Lab File: BF124655.D
Acq: 21 Jul 2021 6:24

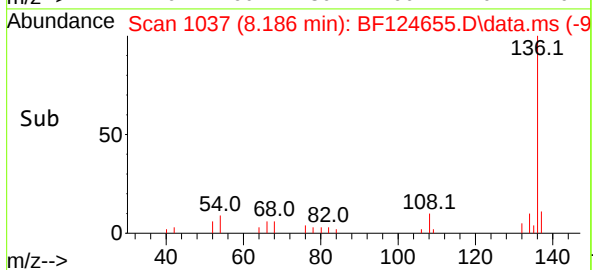
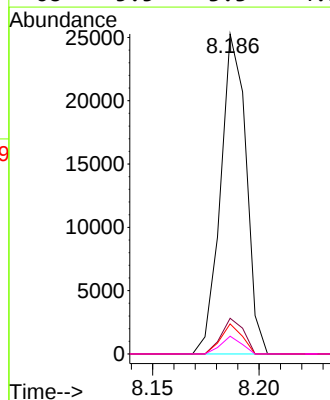
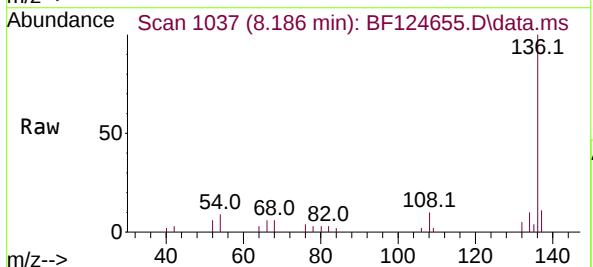
Instrument :
BNA_F
ClientSampleId :
OR-02-071621

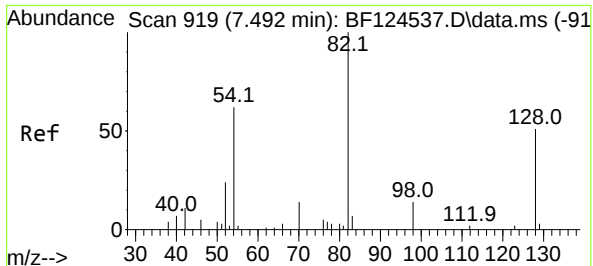
Tgt Ion:	99	Resp:	6905
Ion	Ratio	Lower	Upper
99	100		
42	23.9	23.5	35.3
71	28.7	25.6	38.4



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.186 min Scan# 1037
Delta R.T. -0.018 min
Lab File: BF124655.D
Acq: 21 Jul 2021 6:24

Tgt Ion:	136	Resp:	21034
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.8	14.6
54	9.4	6.4	9.6
68	5.5	3.3	4.9





#23

Nitrobenzene-d5

Concen: 12.01 ng

RT: 7.463 min Scan# 914

Delta R.T. -0.024 min

Lab File: BF124655.D

Acq: 21 Jul 2021 6:24

Tgt Ion: 82 Resp: 4001

Ion Ratio Lower Upper

82 100

128 51.1 40.6 60.8

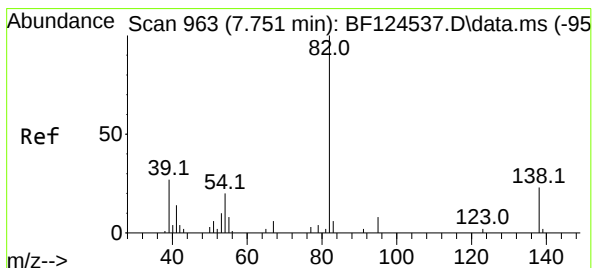
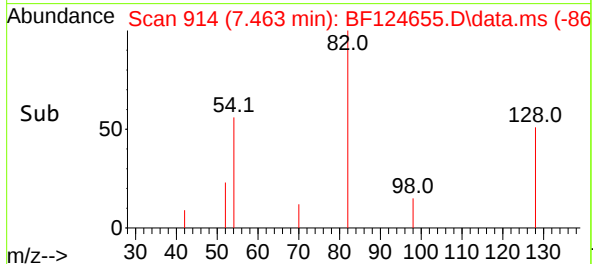
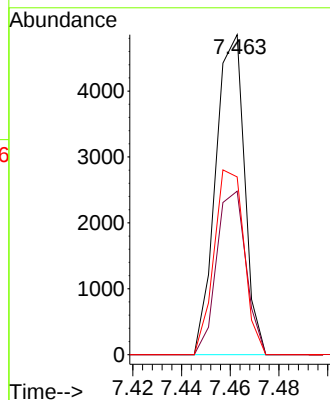
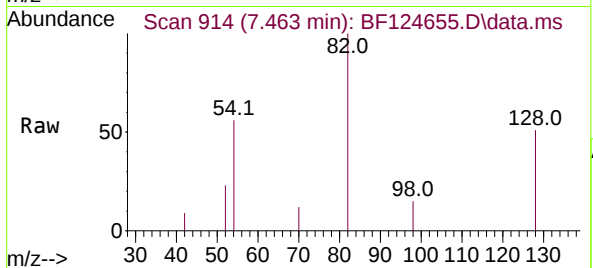
54 55.5 49.6 74.4

Instrument :

BNA_F

ClientSampleId :

OR-02-071621



#25

Isophorone

Concen: 6.54 ng

RT: 7.463 min Scan# 914

Delta R.T. -0.282 min

Lab File: BF124655.D

Acq: 21 Jul 2021 6:24

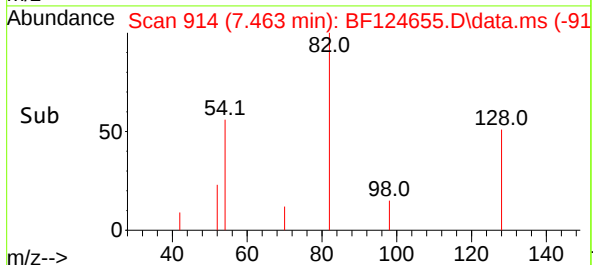
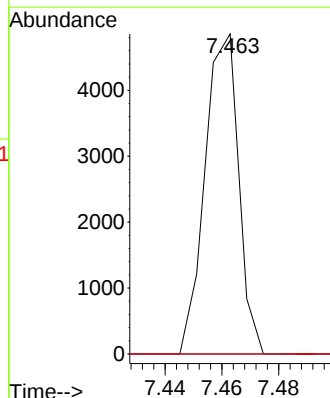
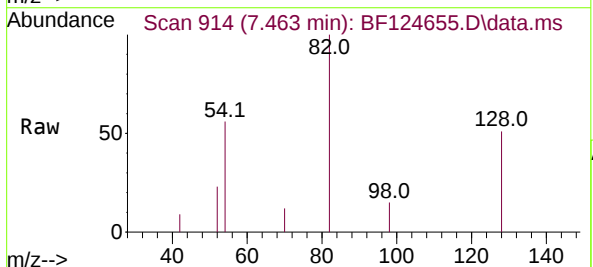
Tgt Ion: 82 Resp: 4001

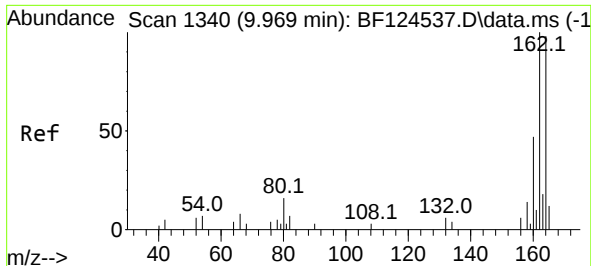
Ion Ratio Lower Upper

82 100

95 0.0 6.5 9.7#

138 0.0 18.4 27.6#

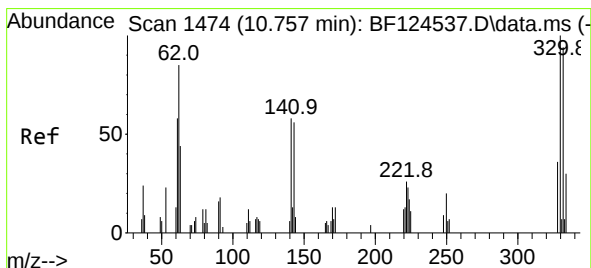
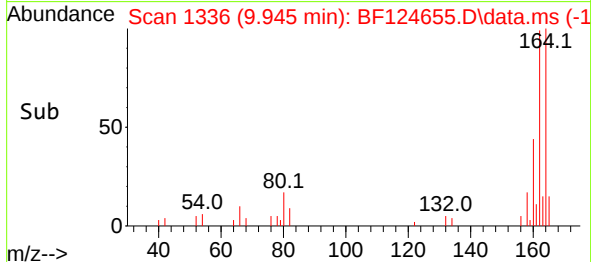
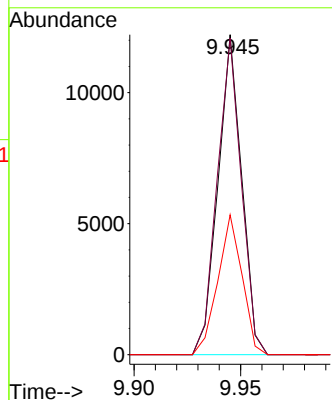
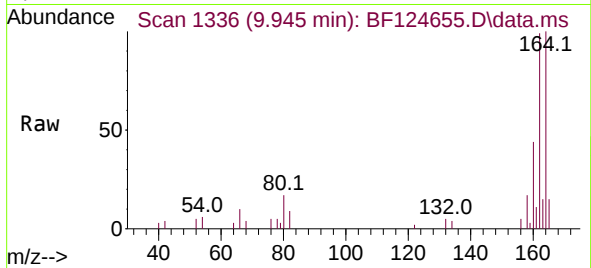




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.945 min Scan# 1336
Delta R.T. -0.012 min
Lab File: BF124655.D
Acq: 21 Jul 2021 6:24

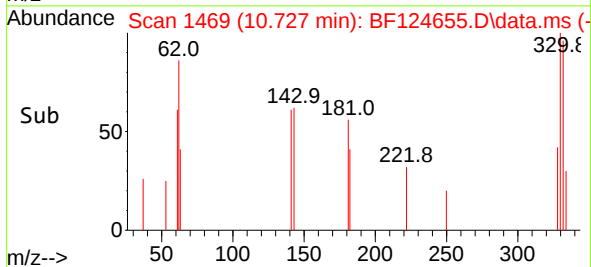
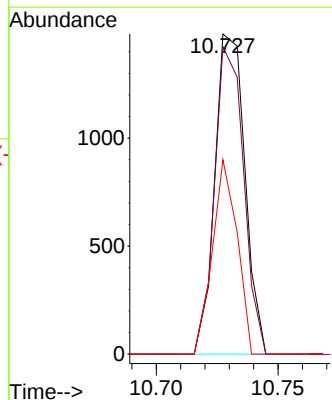
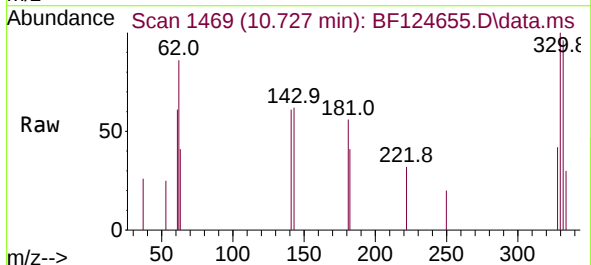
Instrument :
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ClientSampleId :
OR-02-071621

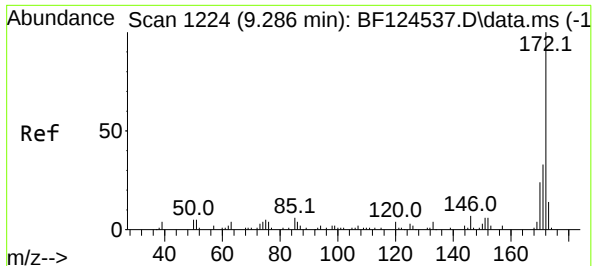
Tgt Ion:164 Resp: 9455
Ion Ratio Lower Upper
164 100
162 99.0 81.3 121.9
160 43.7 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 17.29 ng
RT: 10.727 min Scan# 1469
Delta R.T. -0.024 min
Lab File: BF124655.D
Acq: 21 Jul 2021 6:24

Tgt Ion:330 Resp: 1272
Ion Ratio Lower Upper
330 100
332 93.0 76.2 114.4
141 49.8 44.6 66.8

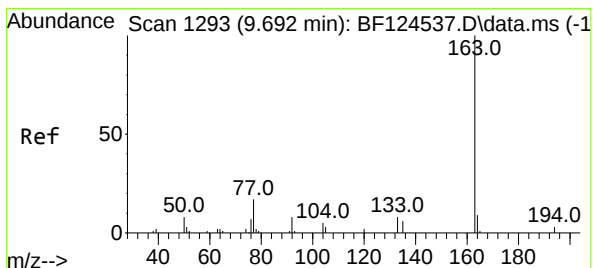
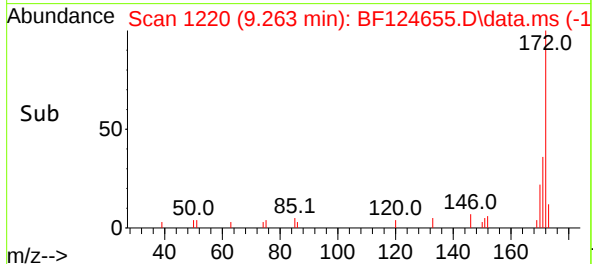
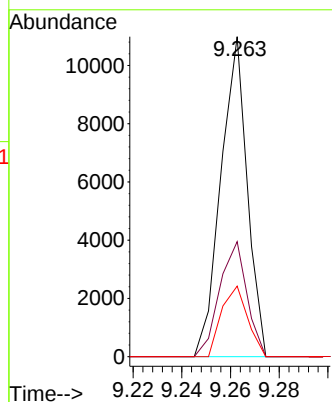
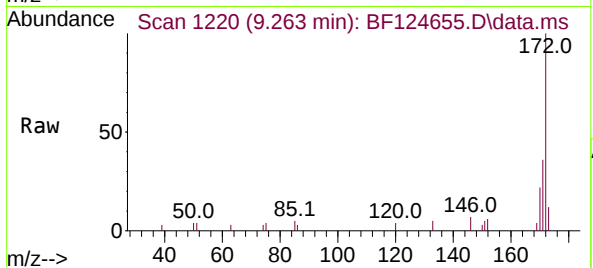




#45
2-Fluorobiphenyl
Concen: 12.73 ng
RT: 9.263 min Scan# 1220
Delta R.T. -0.018 min
Lab File: BF124655.D
Acq: 21 Jul 2021 6:24

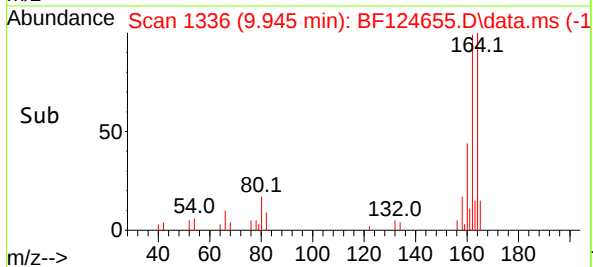
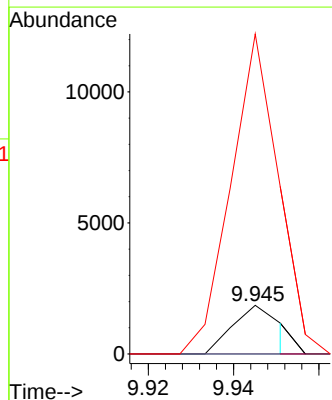
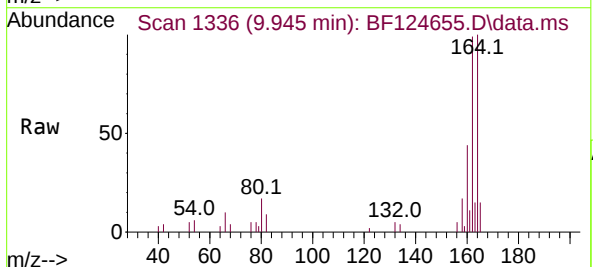
Instrument :
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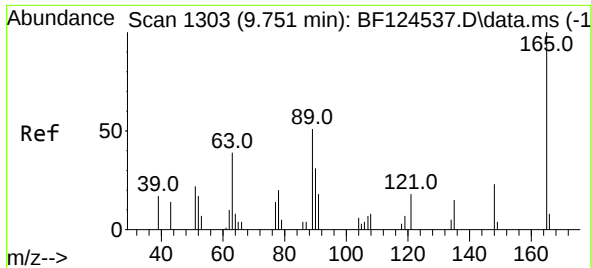
Tgt Ion:172	Resp:	8257
Ion Ratio	Lower	Upper
172	100	
171	35.9	26.5 39.7
170	22.1	18.8 28.2



#50
Dimethylphthalate
Concen: 2.17 ng
RT: 9.945 min Scan# 1336
Delta R.T. 0.259 min
Lab File: BF124655.D
Acq: 21 Jul 2021 6:24

Tgt Ion:163	Resp:	1425
Ion Ratio	Lower	Upper
163	100	
194	0.0	2.6 3.8#
164	658.0	7.4 11.0#

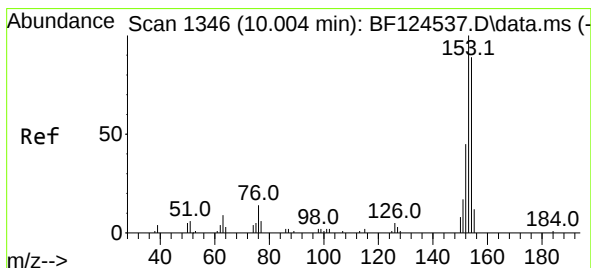
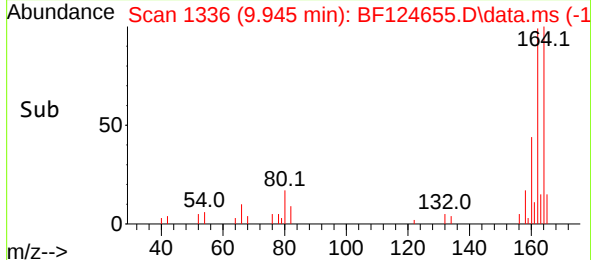
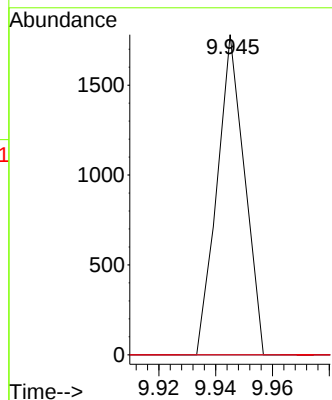
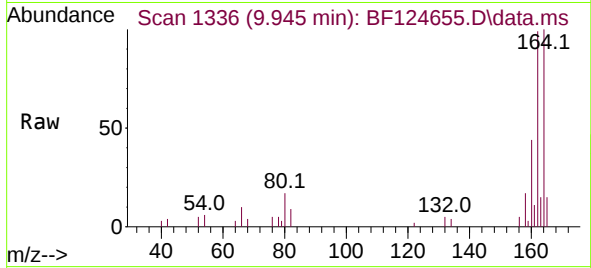




#51
2,6-Dinitrotoluene
Concen: 9.21 ng
RT: 9.945 min Scan# 1336
Delta R.T. 0.200 min
Lab File: BF124655.D
Acq: 21 Jul 2021 6:24

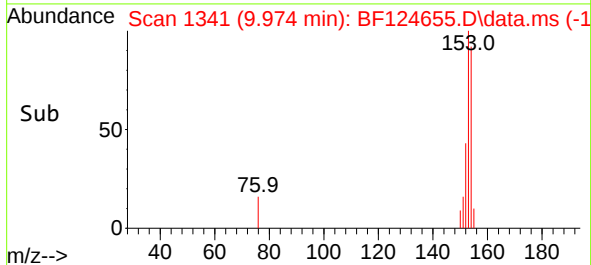
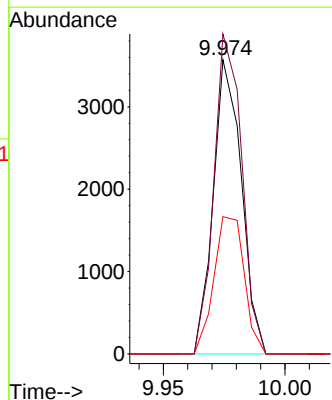
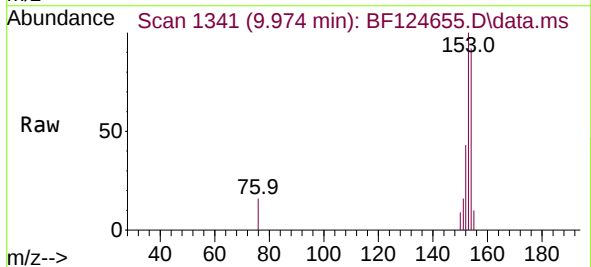
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ClientSampleId :
OR-02-071621

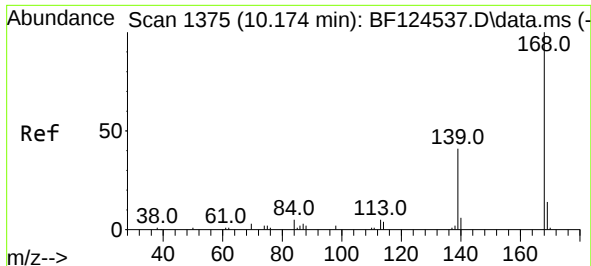
Tgt Ion:165 Resp: 1195
Ion Ratio Lower Upper
165 100
63 0.0 42.6 63.8#
89 0.0 40.6 60.8#



#52
Acenaphthene
Concen: 5.11 ng
RT: 9.974 min Scan# 1341
Delta R.T. -0.024 min
Lab File: BF124655.D
Acq: 21 Jul 2021 6:24

Tgt Ion:154 Resp: 2868
Ion Ratio Lower Upper
154 100
153 108.8 89.4 134.2
152 46.7 40.5 60.7

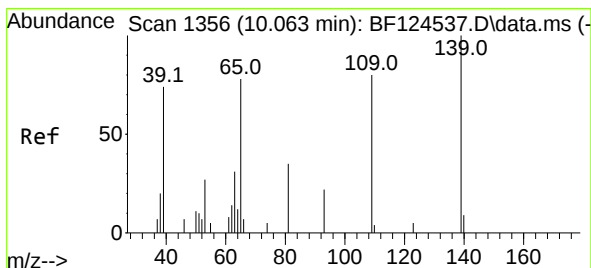
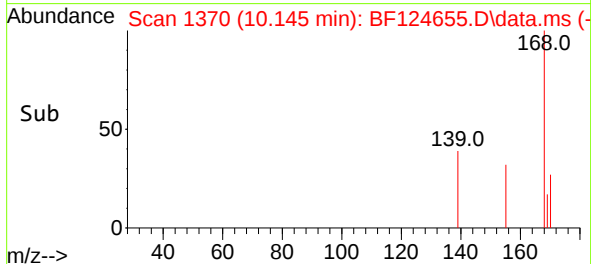
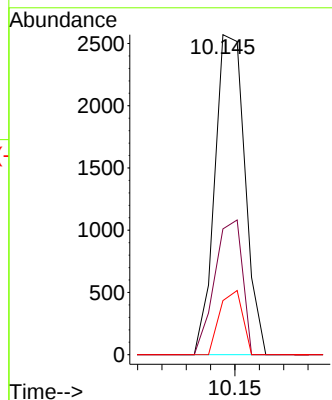
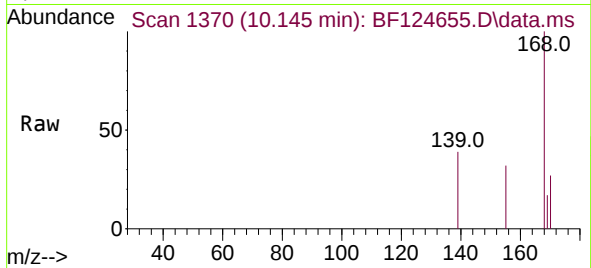




#55
Dibenzenofuran
Concen: 2.68 ng
RT: 10.145 min Scan# 1370
Delta R.T. -0.024 min
Lab File: BF124655.D
Acq: 21 Jul 2021 6:24

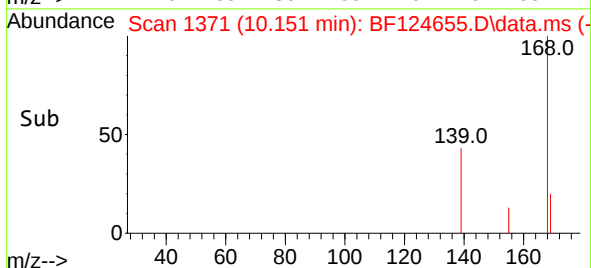
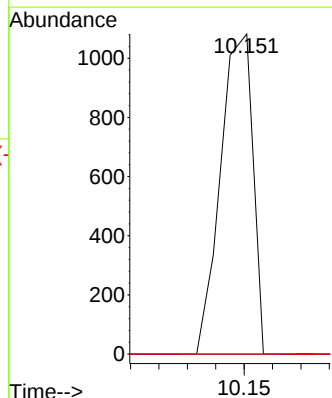
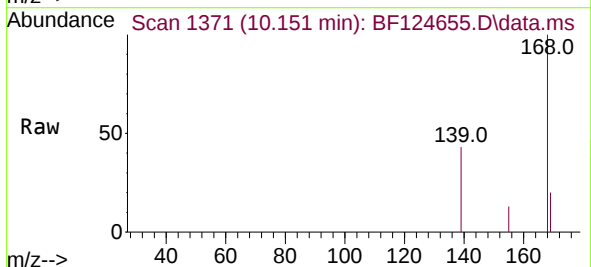
Instrument :
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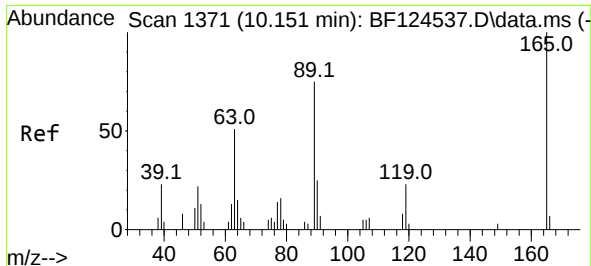
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Ion Ratio Lower Upper
168 100
139 39.3 32.7 49.1
169 16.9 11.2 16.8#



#56
4-Nitrophenol
Concen: 7.12 ng
RT: 10.151 min Scan# 1371
Delta R.T. 0.094 min
Lab File: BF124655.D
Acq: 21 Jul 2021 6:24

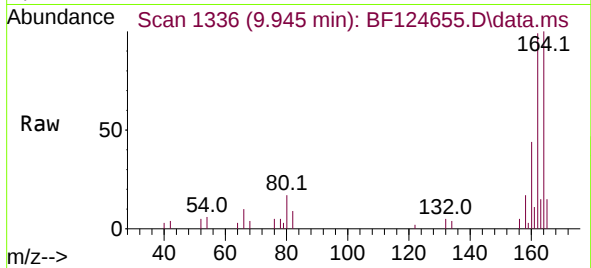
Tgt Ion:139 Resp: 857
Ion Ratio Lower Upper
139 100
109 0.0 60.4 100.4#
65 0.0 58.4 98.4#



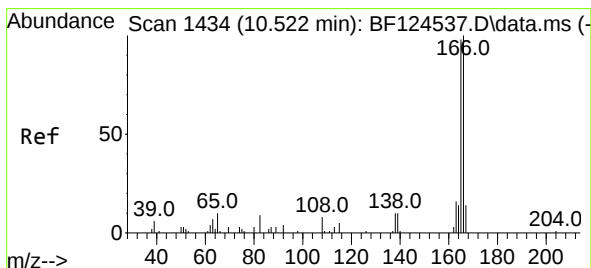
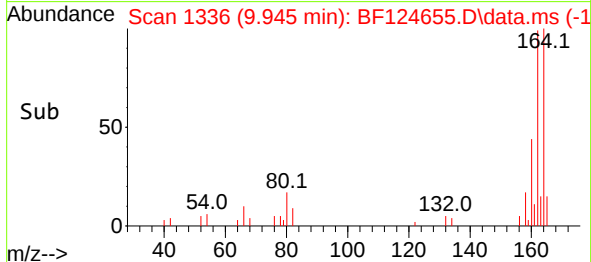
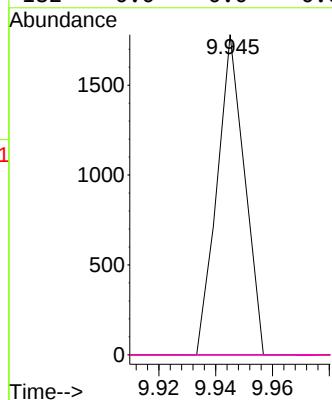


#57
2,4-Dinitrotoluene
Concen: 6.73 ng
RT: 9.945 min Scan# 1336
Delta R.T. -0.200 min
Lab File: BF124655.D
Acq: 21 Jul 2021 6:24

Instrument :
BNA_F
ClientSampleId :
OR-02-071621

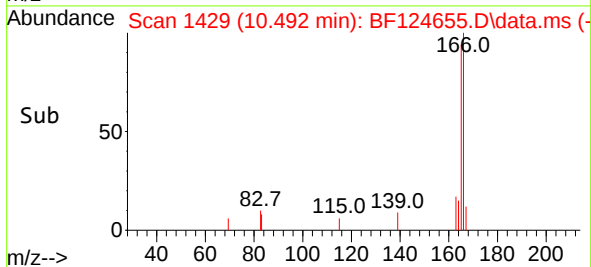
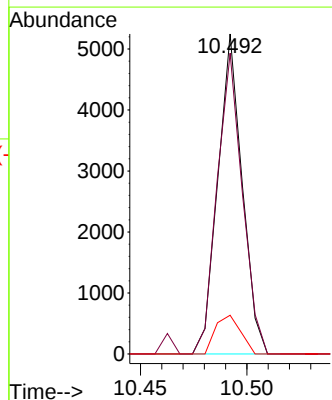
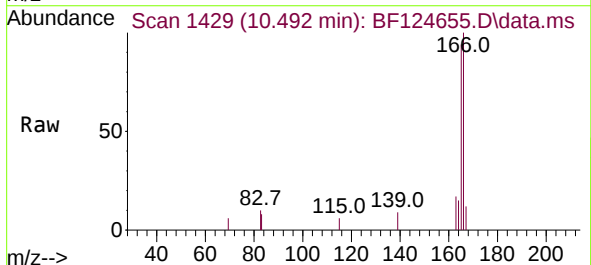


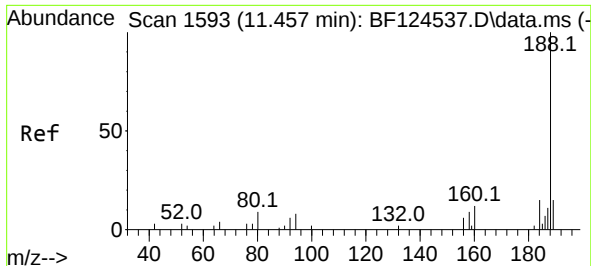
Tgt Ion:165 Resp: 1195
Ion Ratio Lower Upper
165 100
63 0.0 40.9 61.3#
89 0.0 59.7 89.5#
182 0.0 0.0 0.0



#58
Fluorene
Concen: 6.52 ng
RT: 10.492 min Scan# 1429
Delta R.T. -0.018 min
Lab File: BF124655.D
Acq: 21 Jul 2021 6:24

Tgt Ion:166 Resp: 4163
Ion Ratio Lower Upper
166 100
165 94.0 78.1 117.1
167 12.1 11.1 16.7

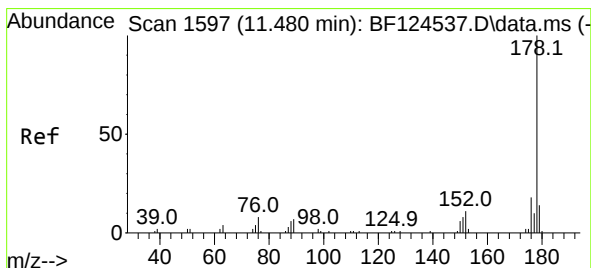
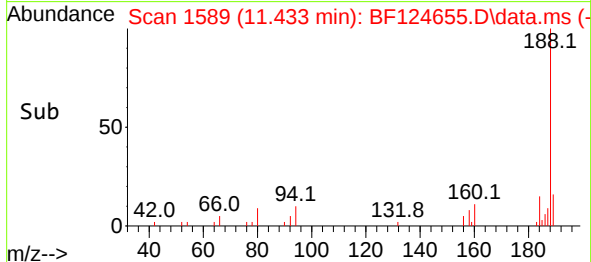
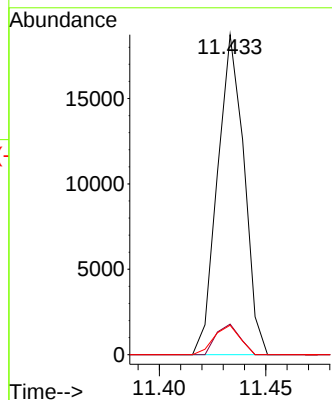
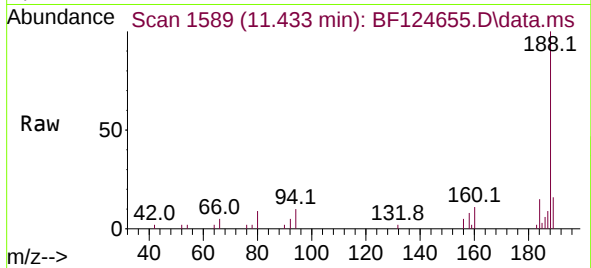




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.012 min
Lab File: BF124655.D
Acq: 21 Jul 2021 6:24

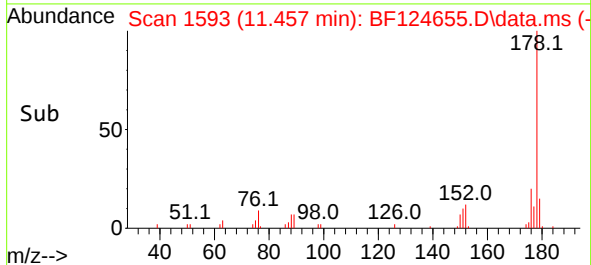
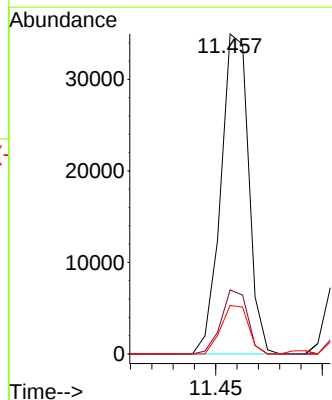
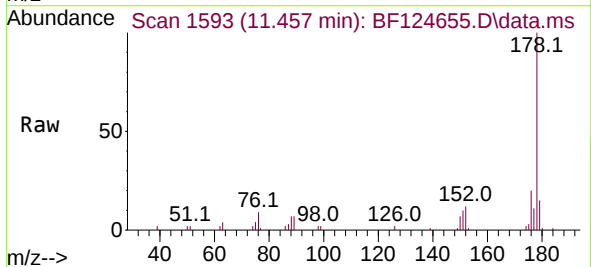
Instrument :
BNA_F
ClientSampleId :
OR-02-071621

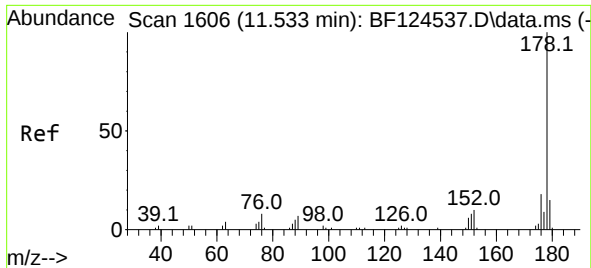
Tgt Ion:188 Resp: 16237
Ion Ratio Lower Upper
188 100
94 9.5 6.7 10.1
80 9.2 7.5 11.3



#71
Phenanthrene
Concen: 35.76 ng
RT: 11.457 min Scan# 1593
Delta R.T. -0.018 min
Lab File: BF124655.D
Acq: 21 Jul 2021 6:24

Tgt Ion:178 Resp: 31680
Ion Ratio Lower Upper
178 100
176 20.0 14.7 22.1
179 15.2 11.5 17.3

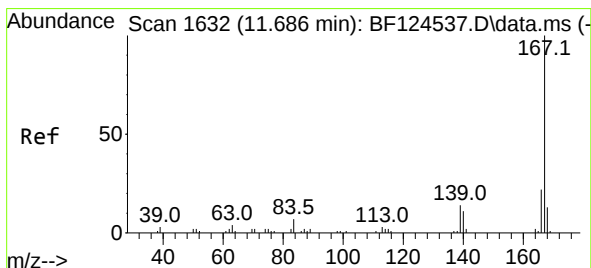
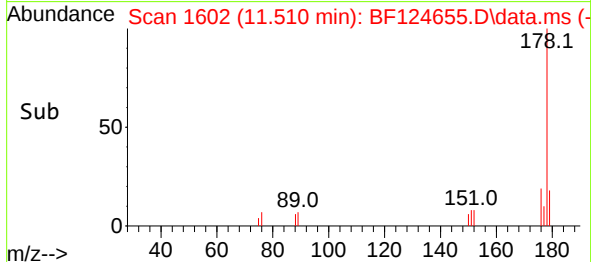
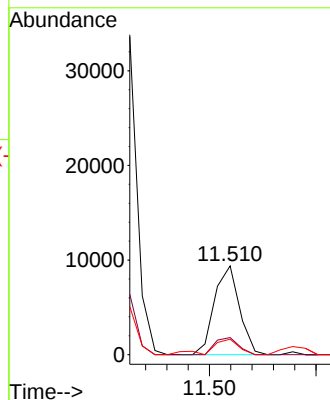
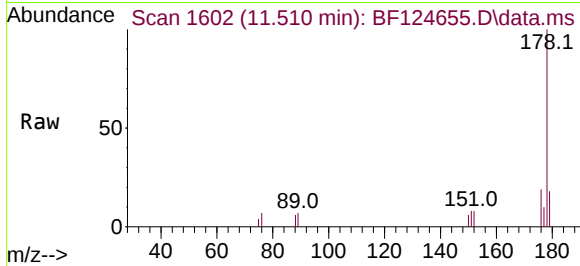




#72
 Anthracene
 Concen: 8.61 ng
 RT: 11.510 min Scan# 1602
 Delta R.T. -0.012 min
 Lab File: BF124655.D
 Acq: 21 Jul 2021 6:24

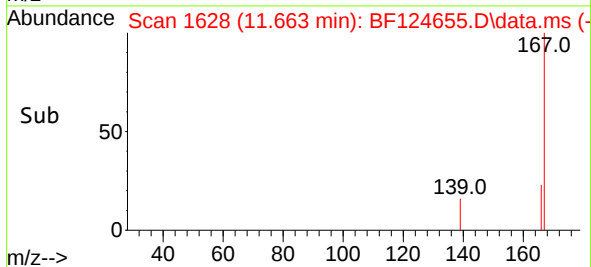
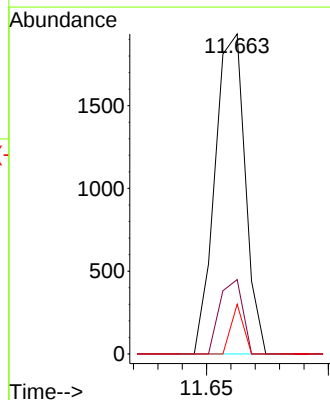
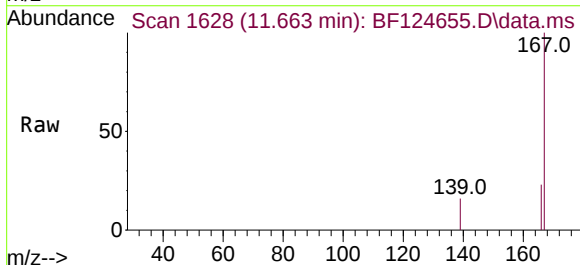
Instrument :
 BNA_F
 ClientSampleId :
 OR-02-071621

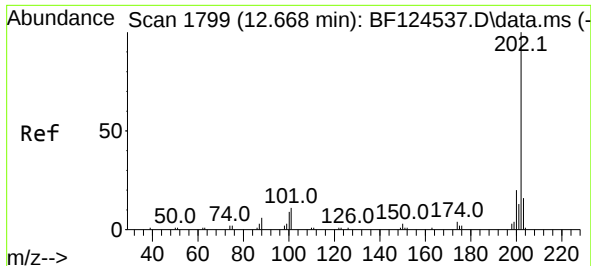
Tgt Ion:178 Resp: 7654
 Ion Ratio Lower Upper
 178 100
 176 19.2 14.3 21.5
 179 17.5 12.2 18.4



#73
 Carbazole
 Concen: 2.03 ng
 RT: 11.663 min Scan# 1628
 Delta R.T. -0.012 min
 Lab File: BF124655.D
 Acq: 21 Jul 2021 6:24

Tgt Ion:167 Resp: 1668
 Ion Ratio Lower Upper
 167 100
 166 23.2 17.4 26.0
 139 15.6 11.0 16.4

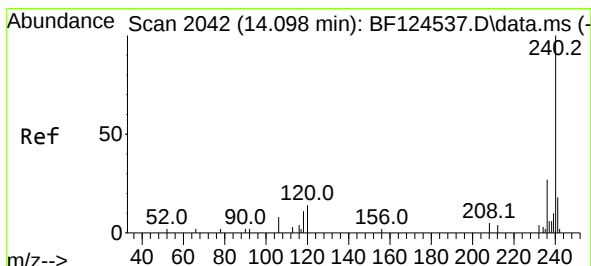
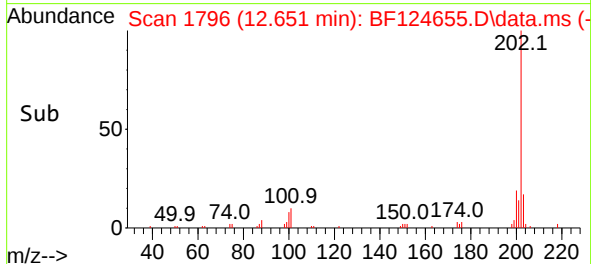
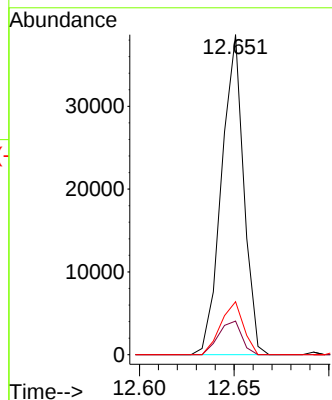
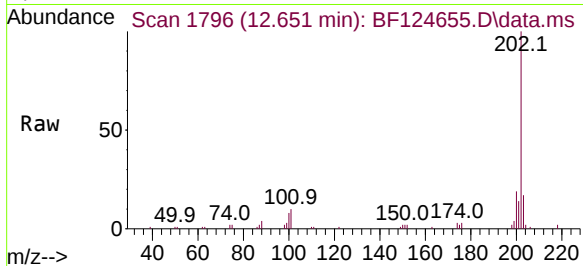




#75
Fluoranthene
Concen: 35.12 ng
RT: 12.651 min Scan# 1796
Delta R.T. -0.012 min
Lab File: BF124655.D
Acq: 21 Jul 2021 6:24

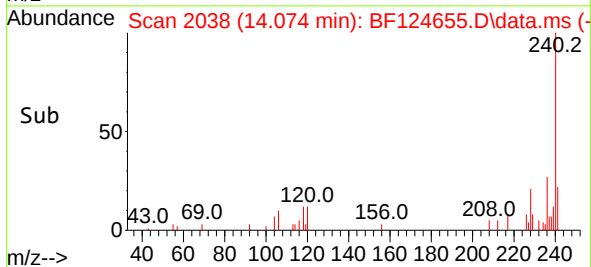
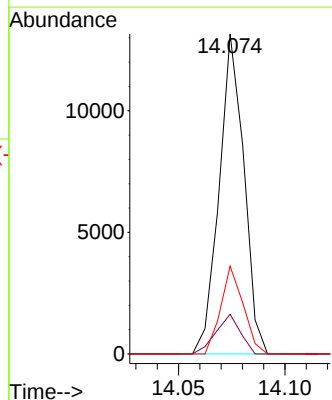
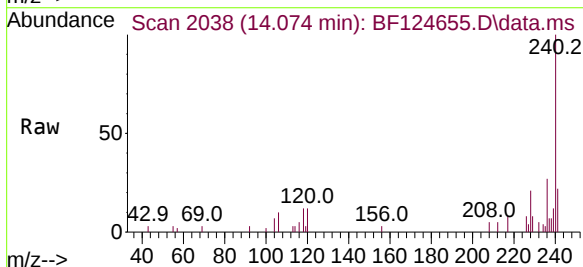
Instrument :
BNA_F
ClientSampleId :
OR-02-071621

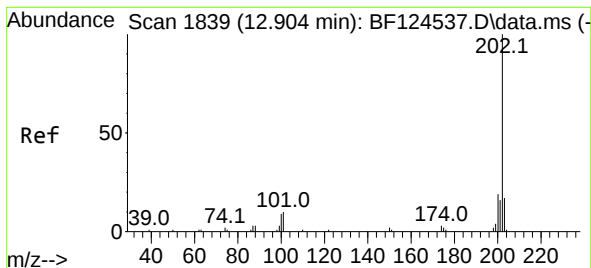
Tgt Ion:202 Resp: 31392
Ion Ratio Lower Upper
202 100
101 10.5 0.0 30.7
203 16.5 0.0 36.3



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.012 min
Lab File: BF124655.D
Acq: 21 Jul 2021 6:24

Tgt Ion:240 Resp: 10606
Ion Ratio Lower Upper
240 100
120 12.4 10.8 16.2
236 27.5 21.6 32.4





#78

Pyrene

Concen: 36.48 ng

RT: 12.880 min Scan# 1835

Delta R.T. -0.012 min

Lab File: BF124655.D

Acq: 21 Jul 2021 6:24

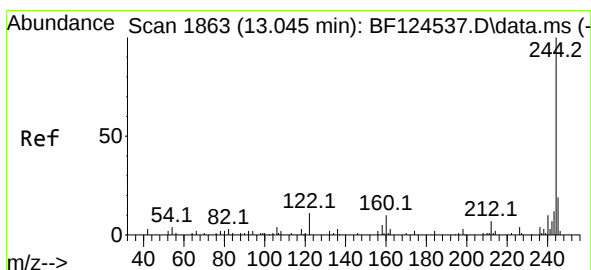
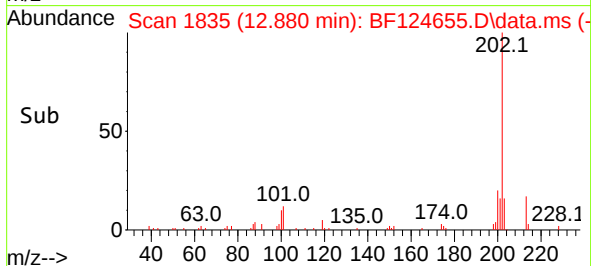
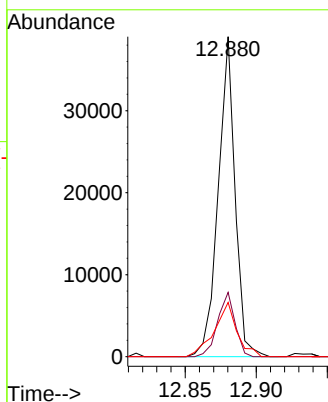
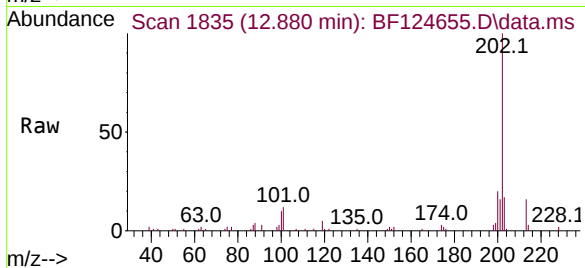
Tgt Ion:202	Resp:	32146
Ion Ratio	Lower	Upper
202	100	
200	20.1	15.3 22.9
203	17.0	13.4 20.0

Instrument :

BNA_F

ClientSampleId :

OR-02-071621



#79

Terphenyl-d14

Concen: 12.66 ng

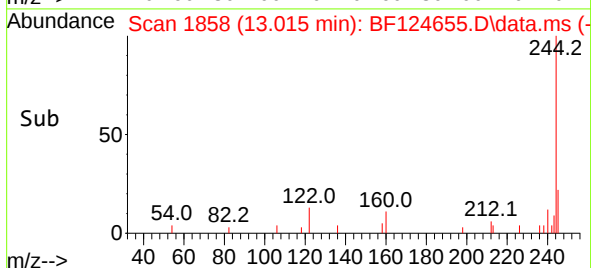
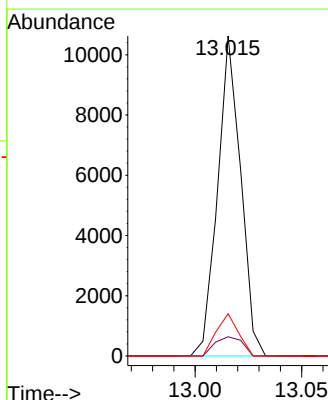
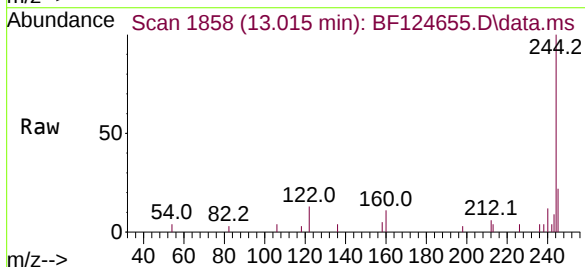
RT: 13.015 min Scan# 1858

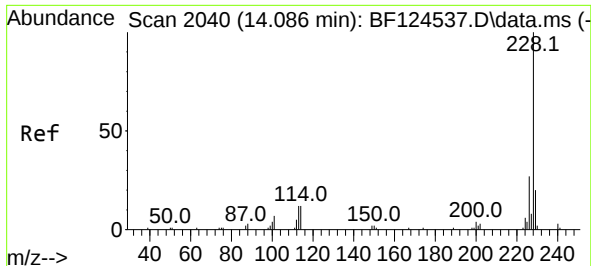
Delta R.T. -0.018 min

Lab File: BF124655.D

Acq: 21 Jul 2021 6:24

Tgt Ion:244	Resp:	7999
Ion Ratio	Lower	Upper
244	100	
212	6.0	5.9 8.9
122	13.2	9.0 13.4

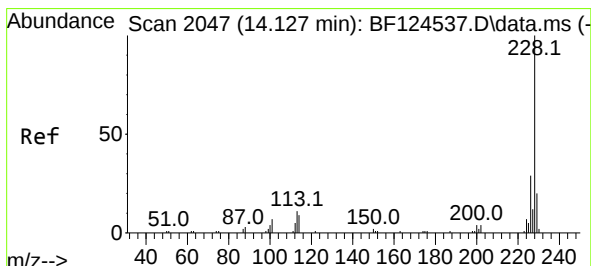
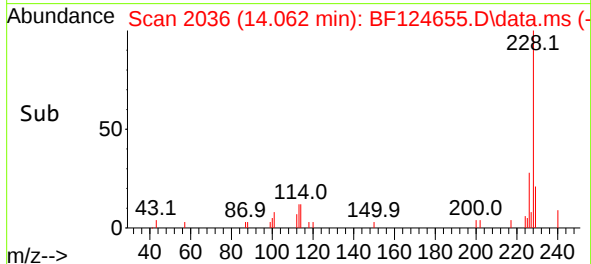
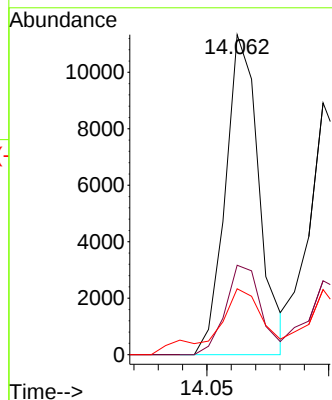
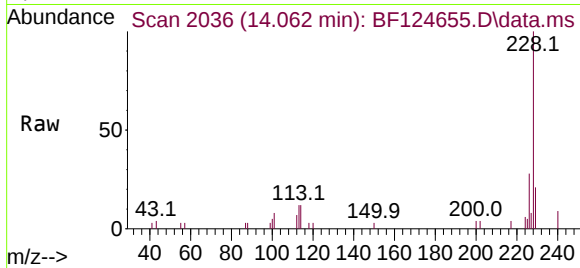




#81
Benzo(a)anthracene
Concen: 15.52 ng
RT: 14.062 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF124655.D
Acq: 21 Jul 2021 6:24

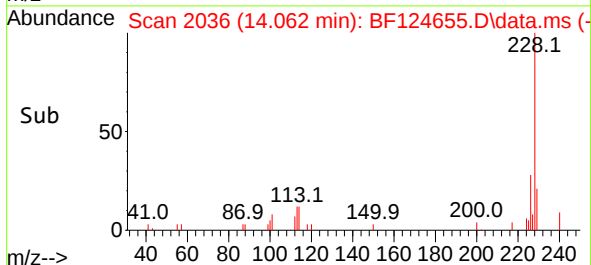
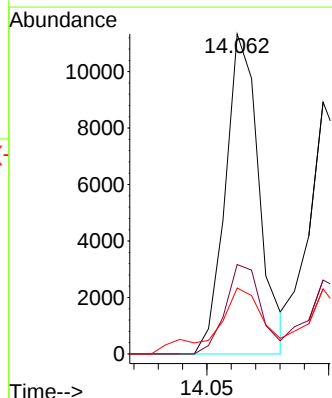
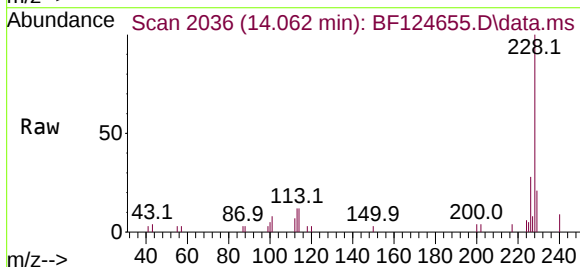
Instrument :
BNA_F
ClientSampleId :
OR-02-071621

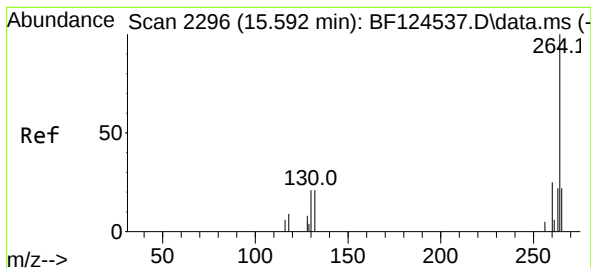
Tgt Ion:228 Resp: 10920
Ion Ratio Lower Upper
228 100
226 27.9 21.6 32.4
229 20.6 15.6 23.4



#83
Chrysene
Concen: 16.21 ng
RT: 14.062 min Scan# 2036
Delta R.T. -0.053 min
Lab File: BF124655.D
Acq: 21 Jul 2021 6:24

Tgt Ion:228 Resp: 10920
Ion Ratio Lower Upper
228 100
226 27.9 22.6 34.0
229 20.6 15.9 23.9

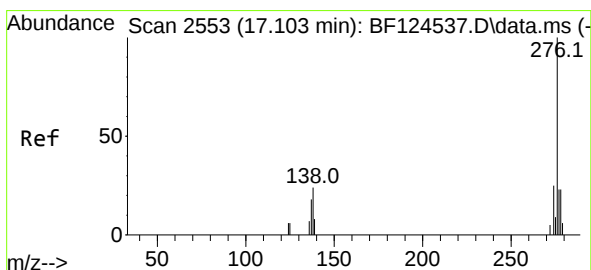
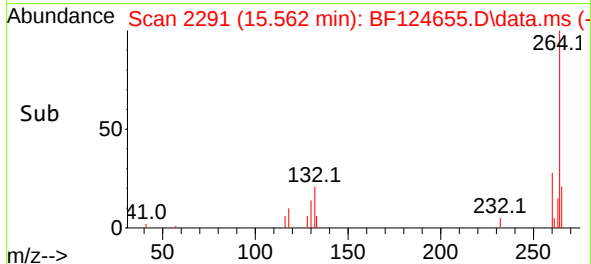
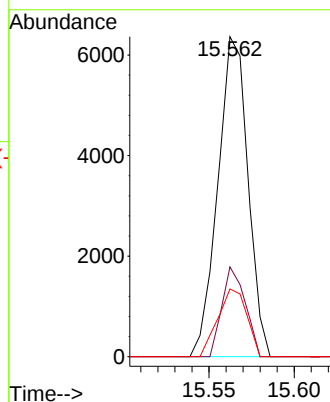
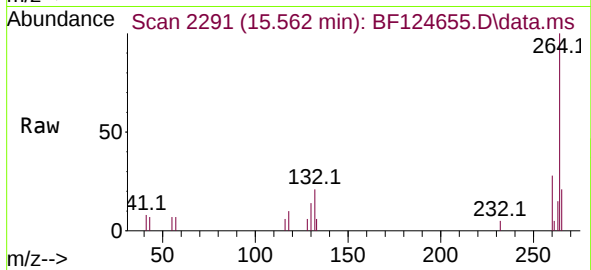




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.562 min Scan# 2291
Delta R.T. -0.006 min
Lab File: BF124655.D
Acq: 21 Jul 2021 6:24

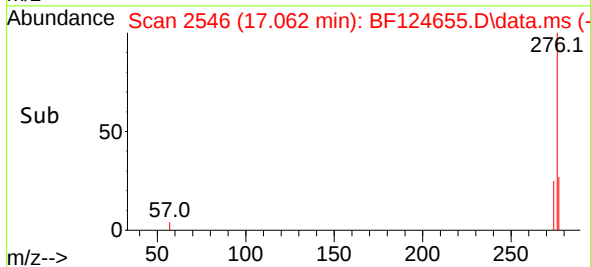
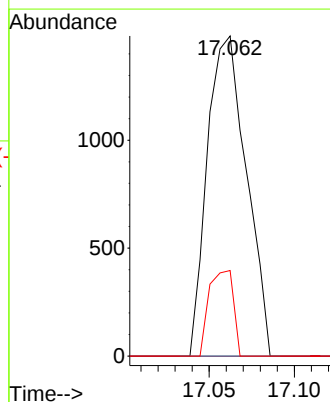
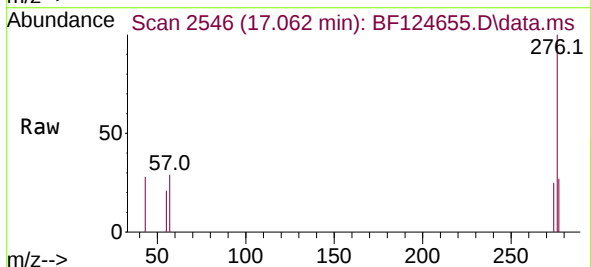
Instrument :
BNA_F
ClientSampleId :
OR-02-071621

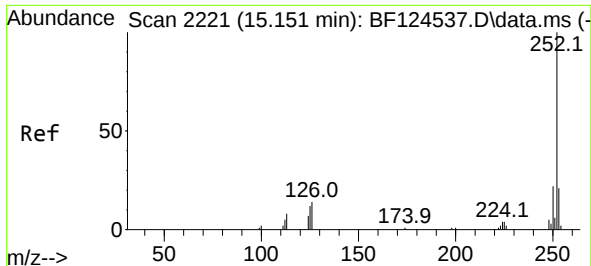
Tgt Ion:264 Resp: 7813
Ion Ratio Lower Upper
264 100
260 28.1 19.6 29.4
265 21.1 17.2 25.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.22 ng
RT: 17.062 min Scan# 2546
Delta R.T. -0.018 min
Lab File: BF124655.D
Acq: 21 Jul 2021 6:24

Tgt Ion:276 Resp: 2366
Ion Ratio Lower Upper
276 100
138 0.0 24.1 36.1#
277 16.6 18.8 28.2#

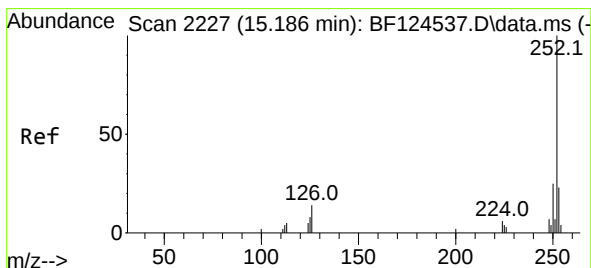
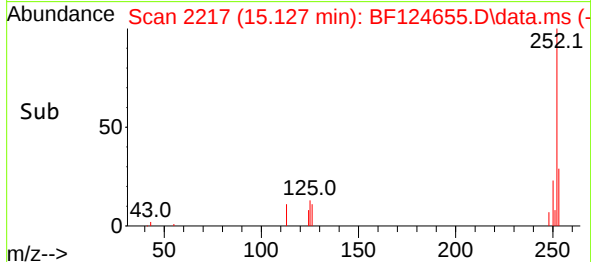
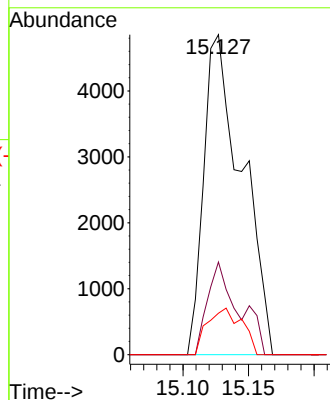
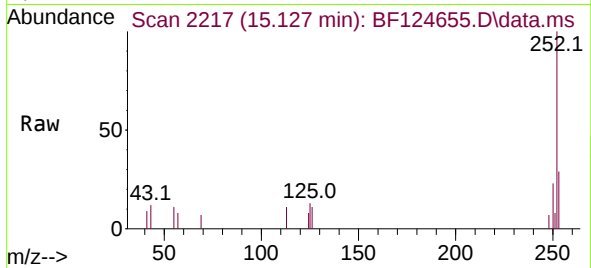




#88
Benzo(b)fluoranthene
Concen: 17.53 ng
RT: 15.127 min Scan# 2217
Delta R.T. -0.006 min
Lab File: BF124655.D
Acq: 21 Jul 2021 6:24

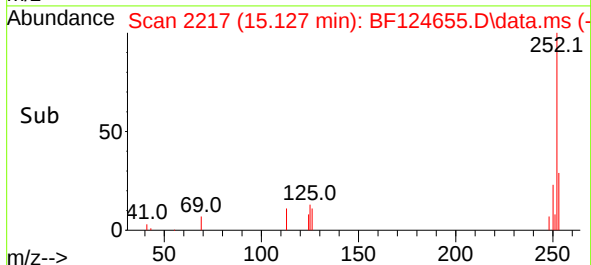
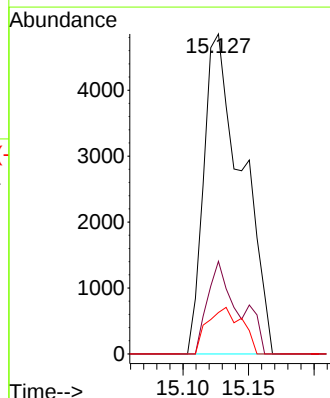
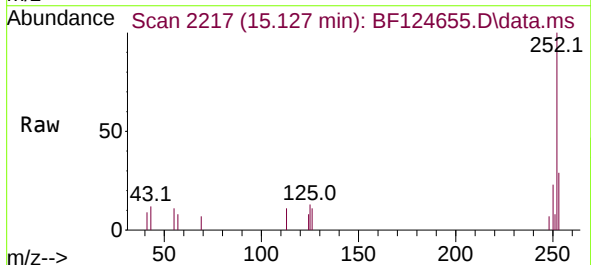
Instrument :
BNA_F
ClientSampleId :
OR-02-071621

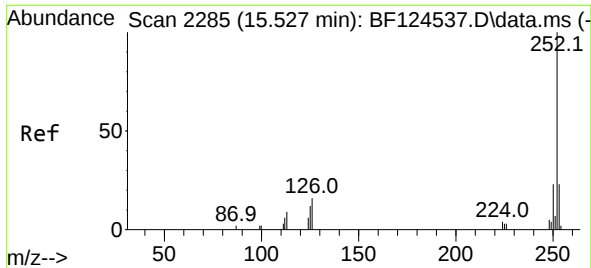
Tgt Ion:252 Resp: 9829
Ion Ratio Lower Upper
252 100
253 29.0 16.8 25.2#
125 13.0 9.8 14.8



#89
Benzo(k)fluoranthene
Concen: 19.10 ng
RT: 15.127 min Scan# 2217
Delta R.T. -0.041 min
Lab File: BF124655.D
Acq: 21 Jul 2021 6:24

Tgt Ion:252 Resp: 9829
Ion Ratio Lower Upper
252 100
253 29.0 17.8 26.8#
125 13.0 7.2 10.8#

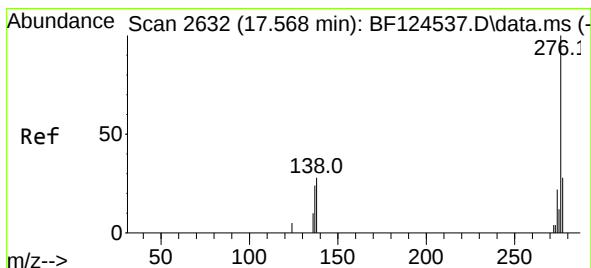
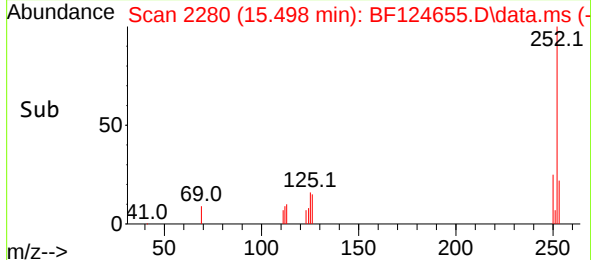
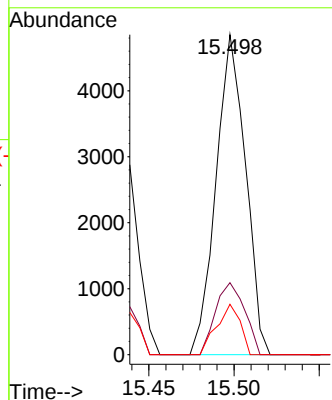
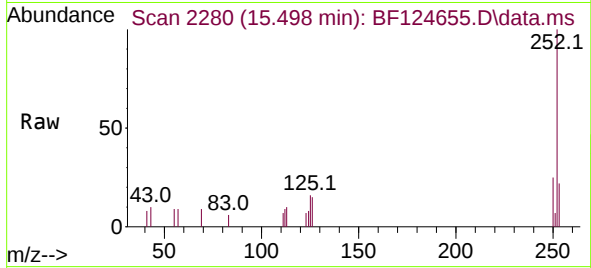




#90
Benzo(a)pyrene
Concen: 12.63 ng
RT: 15.498 min Scan# 2280
Delta R.T. -0.012 min
Lab File: BF124655.D
Acq: 21 Jul 2021 6:24

Instrument :
BNA_F
ClientSampleId :
OR-02-071621

Tgt Ion:252 Resp: 5848
Ion Ratio Lower Upper
252 100
253 22.5 18.4 27.6
125 15.8 9.9 14.9#



#92
Benzo(g,h,i)perylene
Concen: 6.02 ng
RT: 17.515 min Scan# 2623
Delta R.T. -0.029 min
Lab File: BF124655.D
Acq: 21 Jul 2021 6:24

Tgt Ion:276 Resp: 2265
Ion Ratio Lower Upper
276 100
277 0.0 22.0 33.0#
138 38.1 22.2 33.4#

