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 Data File : BF124984.D
 Acq On : 7 Aug 2021 20:36
 Operator : JU/CG
 Sample : M3289-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

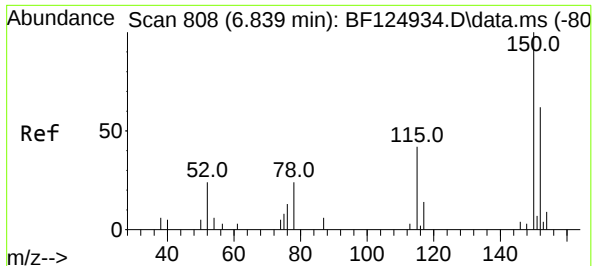
Instrument :
 BNA_F
 ClientSampleId :
 44043RT

Quant Time: Aug 08 09:10:52 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 06 11:27:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	5880	20.00	ng	0.00
21) Naphthalene-d8	8.110	136	23306	20.00	ng	0.00
39) Acenaphthene-d10	9.869	164	11821	20.00	ng	0.00
64) Phenanthrene-d10	11.357	188	15847	20.00	ng	# 0.00
76) Chrysene-d12	13.992	240	13340	20.00	ng	0.00
86) Perylene-d12	15.451	264	12020	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	39136	109.03	ng	0.00
7) Phenol-d6	6.463	99	47333	104.58	ng	0.00
23) Nitrobenzene-d5	7.392	82	31320	70.30	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	9595	90.85	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	58759	72.73	ng	0.00
79) Terphenyl-d14	12.939	244	44479	56.24	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.392	70	3957	14.73	ng	# 70
25) Isophorone	7.392	82	31320	41.19	ng	# 59
57) 2,4-Dinitrotoluene	9.869	165	1663	6.87	ng	# 18
67) 4-Bromophenyl-phenylether	10.657	248	773	4.45	ng	# 1
71) Phenanthrene	11.380	178	3486	4.06	ng	# 80
72) Anthracene	11.427	178	2107	2.44	ng	# 58
75) Fluoranthene	12.568	202	10625	11.95	ng	94
77) Benzidine	12.939	184	979	2.74	ng	# 60
78) Pyrene	12.798	202	10572	10.06	ng	96
80) Butylbenzylphthalate	13.410	149	1147	2.45	ng	# 62
81) Benzo(a)anthracene	13.986	228	7163	8.24	ng	98
83) Chrysene	14.021	228	6696	7.97	ng	96
87) Indeno(1,2,3-cd)pyrene	16.903	276	3659	5.11	ng	# 83
88) Benzo(b)fluoranthene	15.027	252	13916	16.49	ng	# 90
89) Benzo(k)fluoranthene	15.027	252	13916	18.13	ng	# 90
90) Benzo(a)pyrene	15.392	252	6245	8.69	ng	# 90
92) Benzo(g,h,i)perylene	17.339	276	3261	5.40	ng	# 73

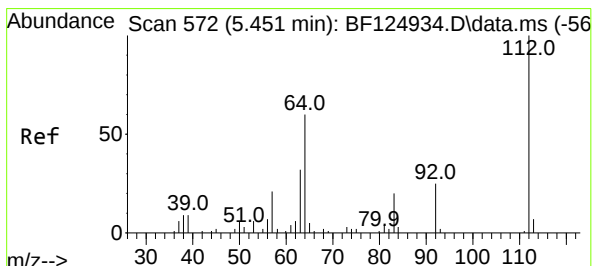
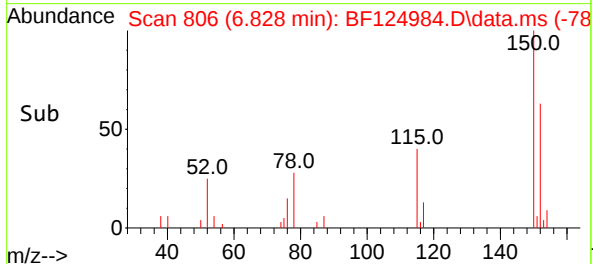
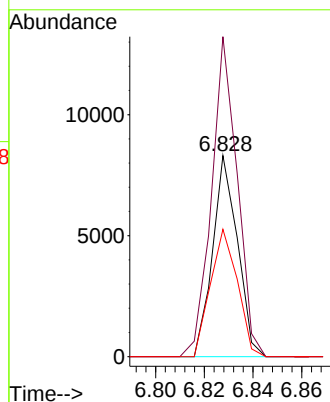
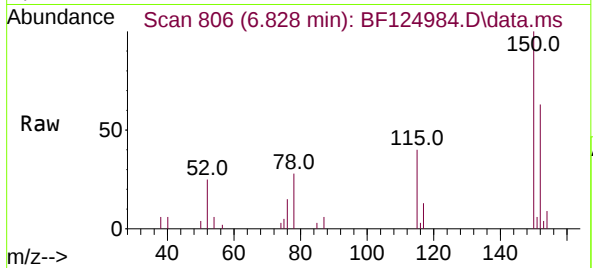
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.828 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF124984.D
Acq: 7 Aug 2021 20:36

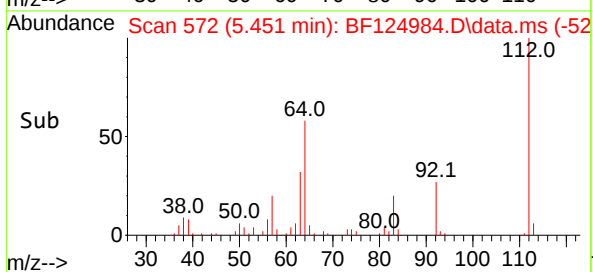
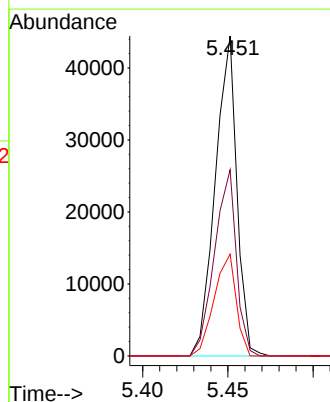
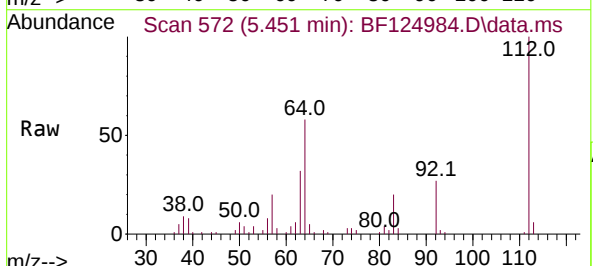
Instrument :
BNA_F
ClientSampleId :
44043RT

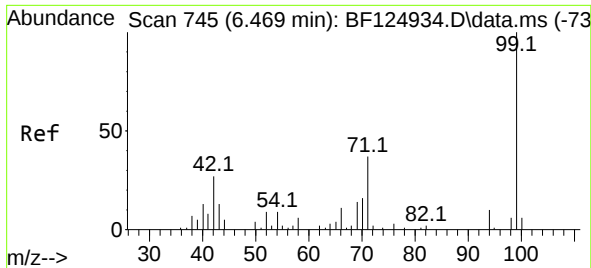
Tgt Ion:152 Resp: 5880
Ion Ratio Lower Upper
152 100
150 159.1 117.6 176.4
115 63.3 47.1 70.7



#5
2-Fluorophenol
Concen: 109.03 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.006 min
Lab File: BF124984.D
Acq: 7 Aug 2021 20:36

Tgt Ion:112 Resp: 39136
Ion Ratio Lower Upper
112 100
64 58.2 44.2 66.2
63 31.8 26.2 39.2

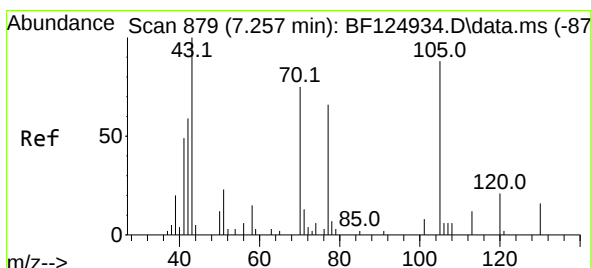
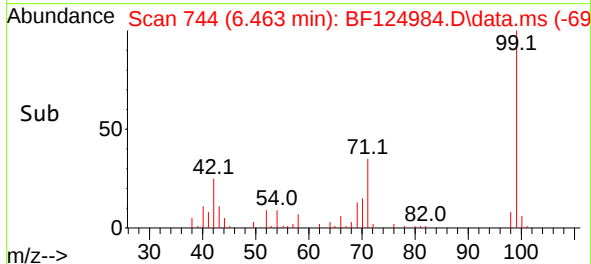
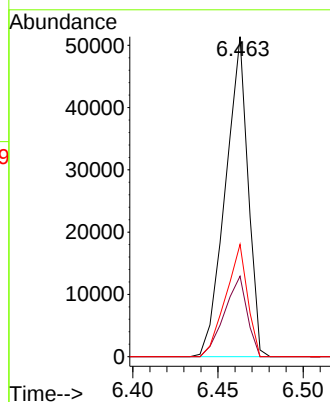
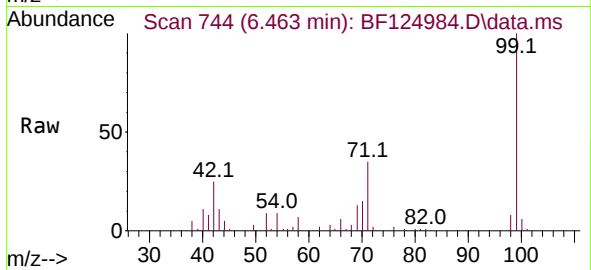




#7
Phenol-d6
Concen: 104.58 ng
RT: 6.463 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF124984.D
Acq: 7 Aug 2021 20:36

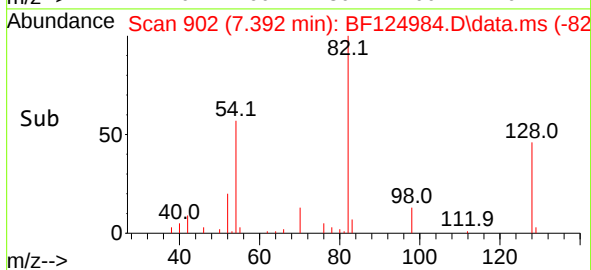
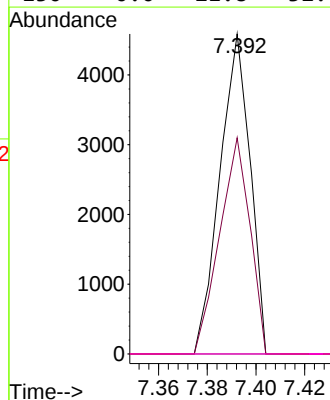
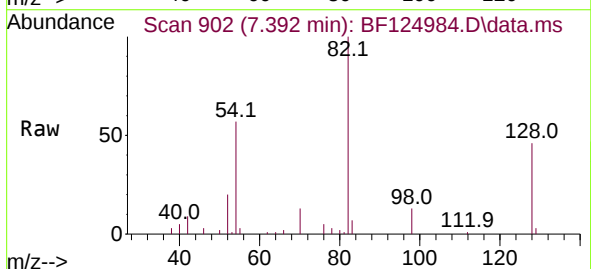
Instrument :
BNA_F
ClientSampled :
44043RT

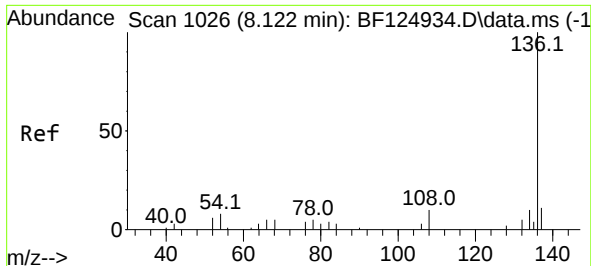
Tgt Ion: 99 Resp: 47333
Ion Ratio Lower Upper
99 100
42 25.1 23.5 35.3
71 35.1 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 14.73 ng
RT: 7.392 min Scan# 902
Delta R.T. 0.147 min
Lab File: BF124984.D
Acq: 7 Aug 2021 20:36

Tgt Ion: 70 Resp: 3957
Ion Ratio Lower Upper
70 100
42 67.6 72.2 108.2#
101 0.0 7.8 11.8#
130 0.0 21.8 32.6#

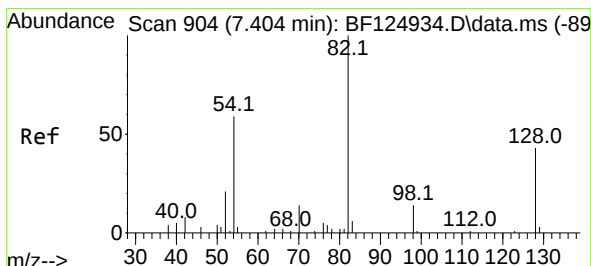
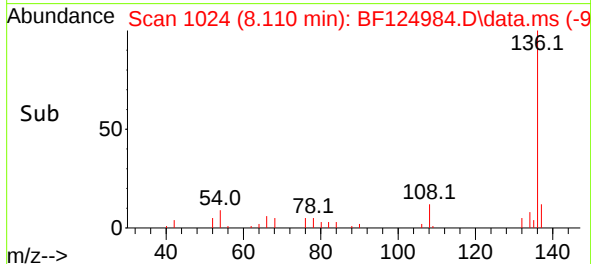
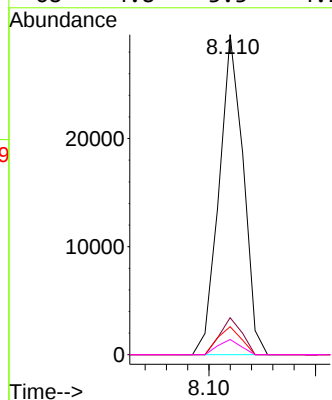
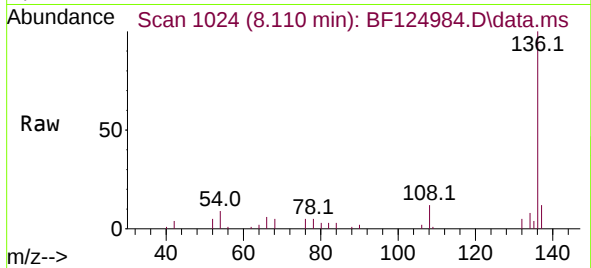




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.110 min Scan# 1024
Delta R.T. -0.006 min
Lab File: BF124984.D
Acq: 7 Aug 2021 20:36

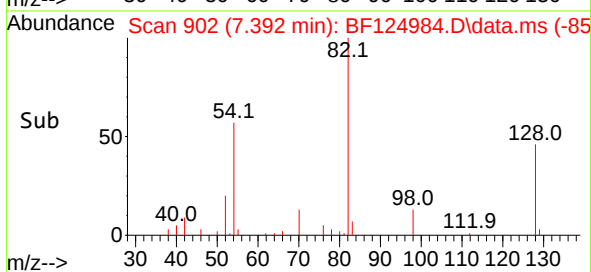
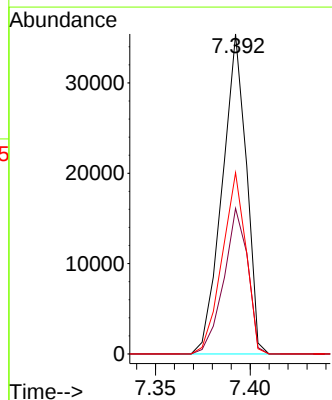
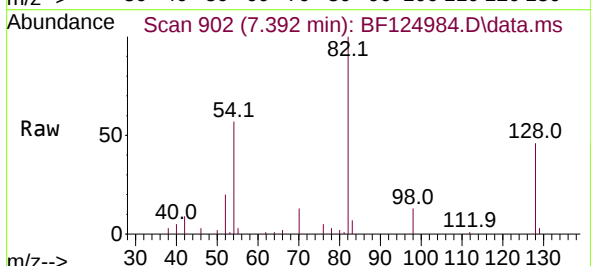
Instrument :
BNA_F
ClientSampled :
44043RT

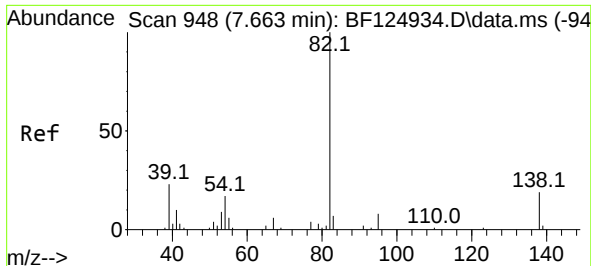
Tgt Ion:136	Resp:	23306
Ion Ratio	Lower	Upper
136	100	
137	11.6	9.8 14.6
54	8.8	6.4 9.6
68	4.8	3.3 4.9



#23
Nitrobenzene-d5
Concen: 70.30 ng
RT: 7.392 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF124984.D
Acq: 7 Aug 2021 20:36

Tgt Ion: 82	Resp:	31320
Ion Ratio	Lower	Upper
82	100	
128	45.5	40.6 60.8
54	56.7	49.6 74.4

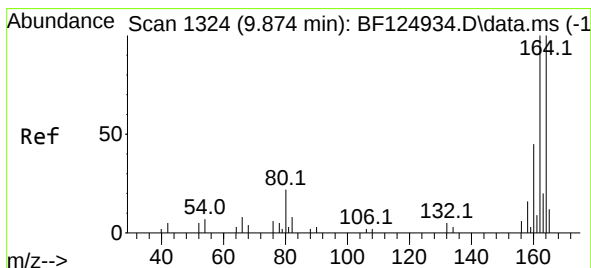
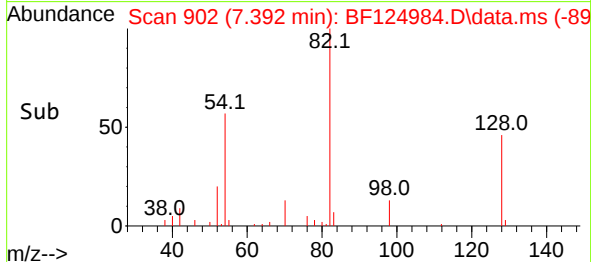
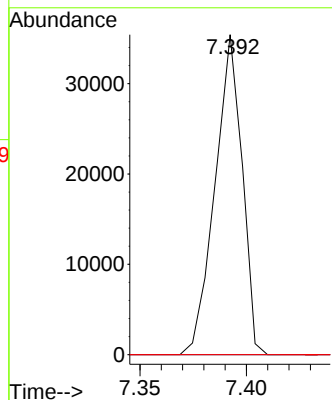
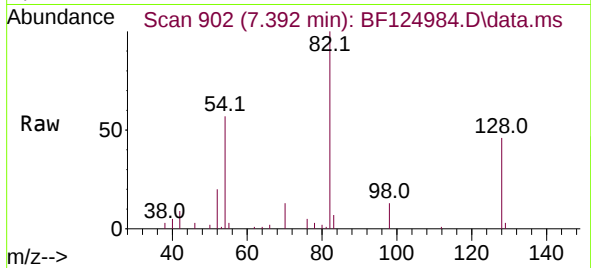




#25
Isophorone
Concen: 41.19 ng
RT: 7.392 min Scan# 902
Delta R.T. -0.265 min
Lab File: BF124984.D
Acq: 7 Aug 2021 20:36

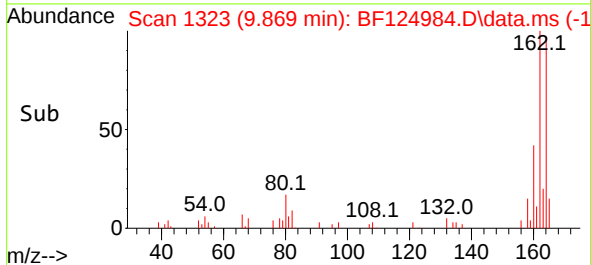
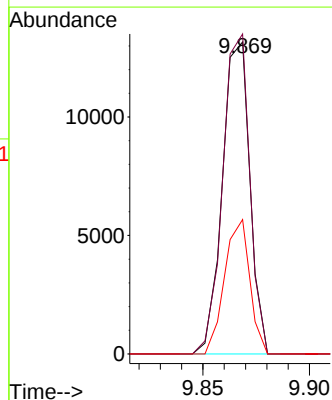
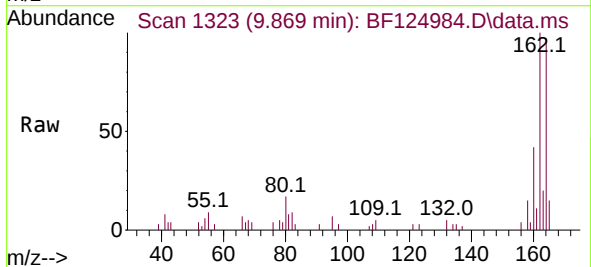
Instrument :
BNA_F
ClientSampleId :
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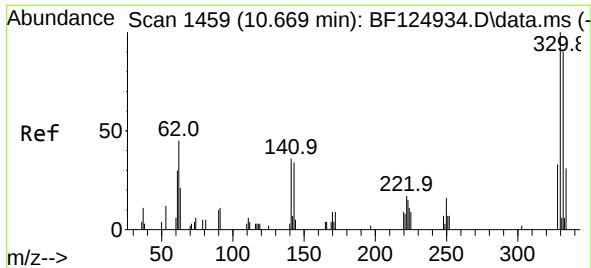
Tgt Ion: 82 Resp: 31320
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.869 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BF124984.D
Acq: 7 Aug 2021 20:36

Tgt Ion: 164 Resp: 11821
Ion Ratio Lower Upper
164 100
162 102.6 81.3 121.9
160 43.1 38.0 57.0

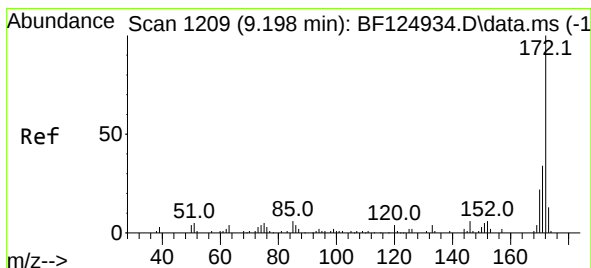
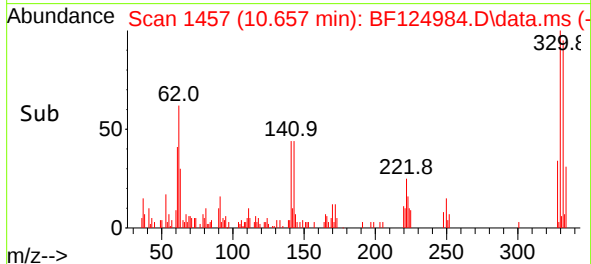
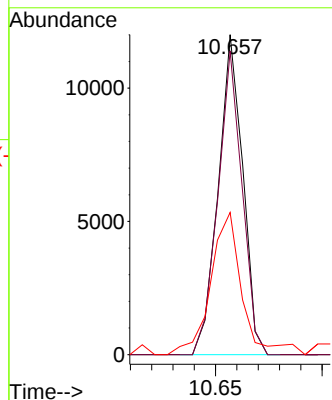
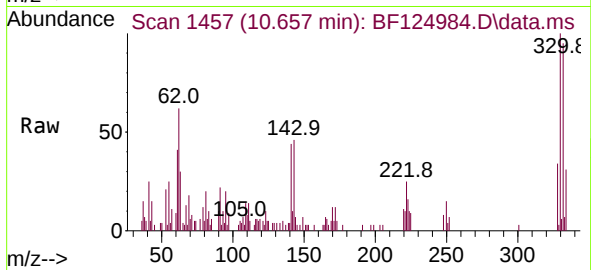




#42
2,4,6-Tribromophenol
Concen: 90.85 ng
RT: 10.657 min Scan# 1457
Delta R.T. 0.000 min
Lab File: BF124984.D
Acq: 7 Aug 2021 20:36

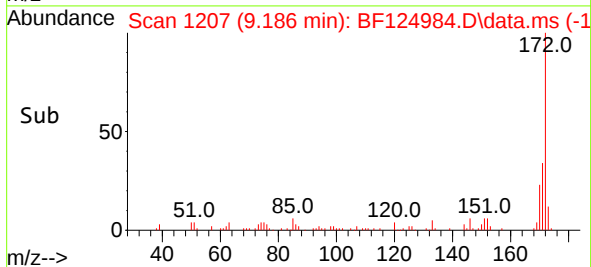
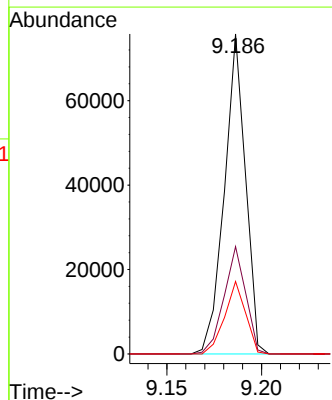
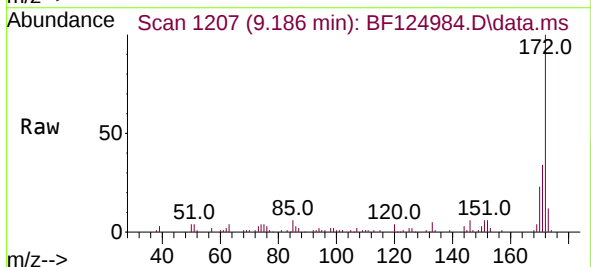
Instrument :
BNA_F
ClientSampleId :
44043RT

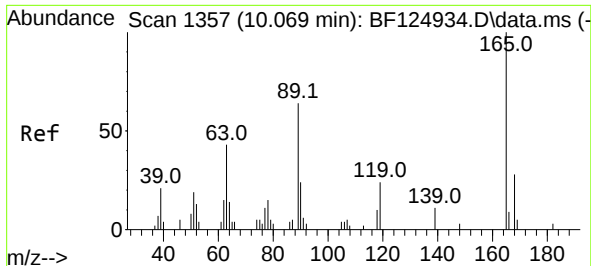
Tgt Ion:330 Resp: 9595
Ion Ratio Lower Upper
330 100
332 93.8 76.2 114.4
141 56.7 44.6 66.8



#45
2-Fluorobiphenyl
Concen: 72.73 ng
RT: 9.186 min Scan# 1207
Delta R.T. -0.006 min
Lab File: BF124984.D
Acq: 7 Aug 2021 20:36

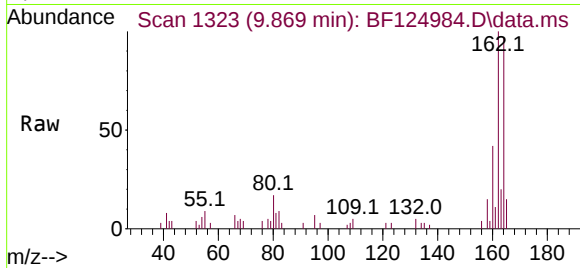
Tgt Ion:172 Resp: 58759
Ion Ratio Lower Upper
172 100
171 33.6 26.5 39.7
170 22.7 18.8 28.2



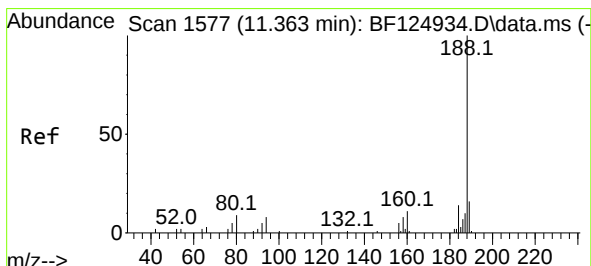
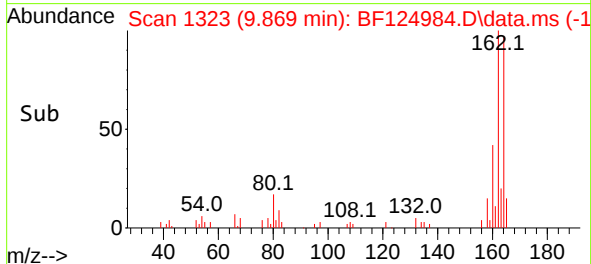
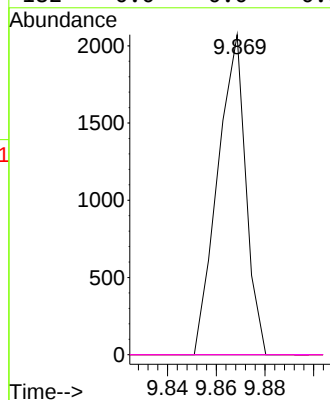


#57
2,4-Dinitrotoluene
Concen: 6.87 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.188 min
Lab File: BF124984.D
Acq: 7 Aug 2021 20:36

Instrument :
BNA_F
ClientSampleId :
44043RT

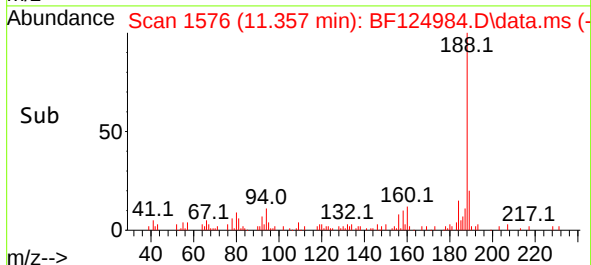
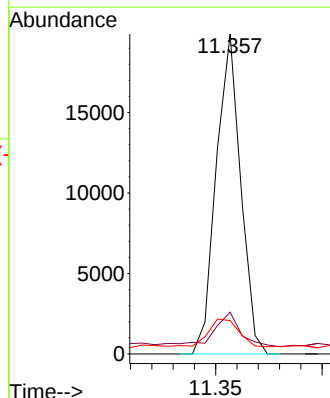
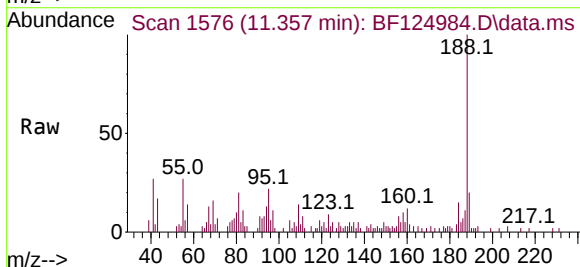


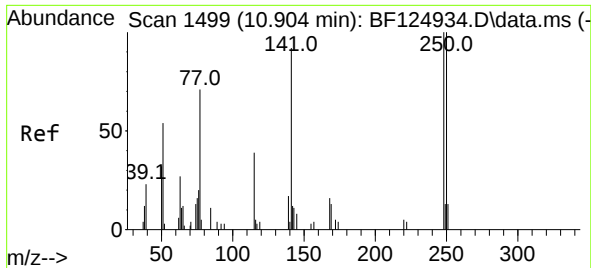
Tgt Ion:165 Resp: 1663
Ion Ratio Lower Upper
165 100
63 0.0 40.9 61.3#
89 0.0 59.7 89.5#
182 0.0 0.0 0.0



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.357 min Scan# 1576
Delta R.T. 0.006 min
Lab File: BF124984.D
Acq: 7 Aug 2021 20:36

Tgt Ion:188 Resp: 15847
Ion Ratio Lower Upper
188 100
94 13.0 6.7 10.1#
80 10.4 7.5 11.3

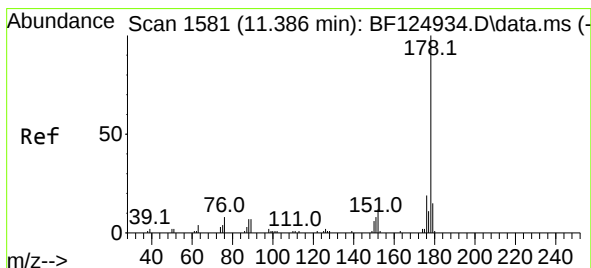
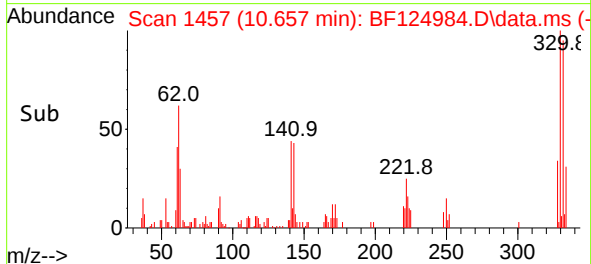
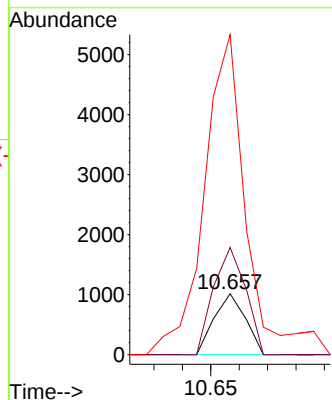
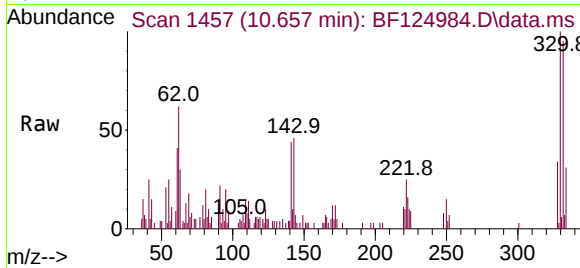




#67
4-Bromophenyl-phenylether
Concen: 4.45 ng
RT: 10.657 min Scan# 1457
Delta R.T. -0.241 min
Lab File: BF124984.D
Acq: 7 Aug 2021 20:36

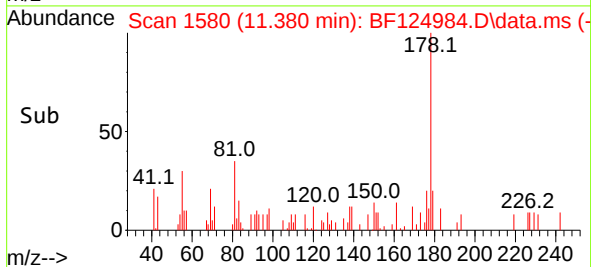
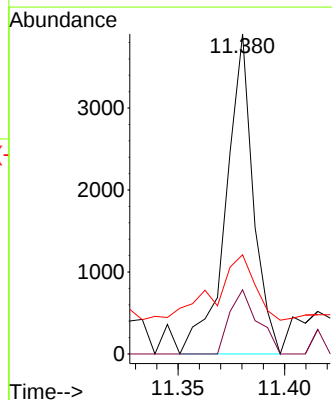
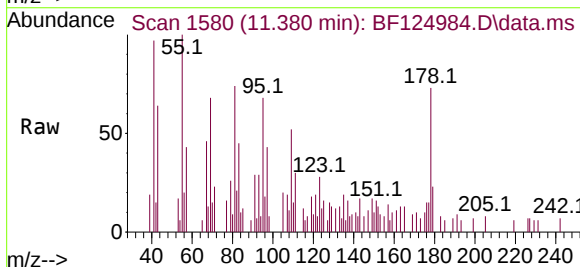
Instrument :
BNA_F
ClientSampled :
44043RT

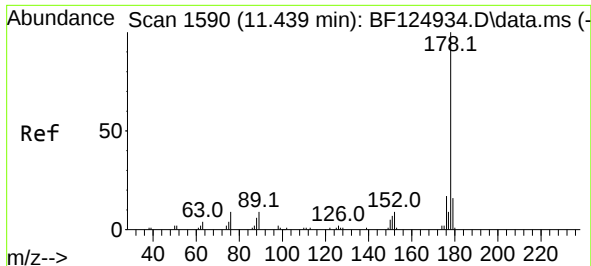
Tgt Ion:248 Resp: 773
Ion Ratio Lower Upper
248 100
250 175.6 74.2 111.4#
141 524.5 60.4 90.6#



#71
Phenanthrene
Concen: 4.06 ng
RT: 11.380 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF124984.D
Acq: 7 Aug 2021 20:36

Tgt Ion:178 Resp: 3486
Ion Ratio Lower Upper
178 100
176 20.0 14.7 22.1
179 31.0 11.5 17.3#

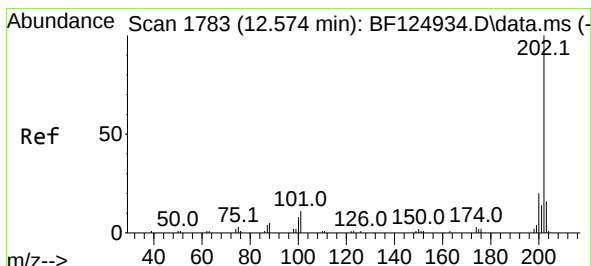
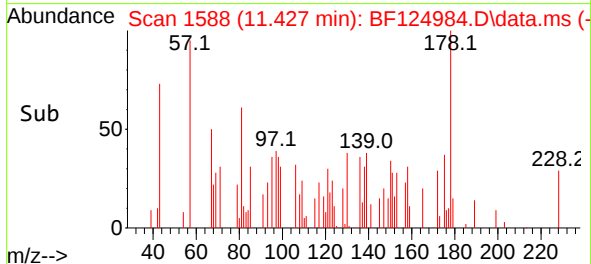
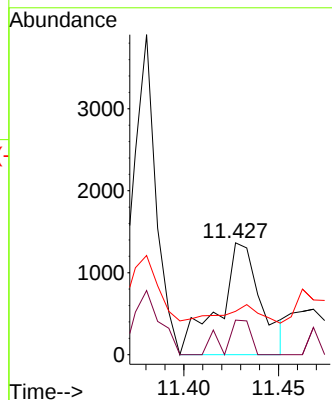
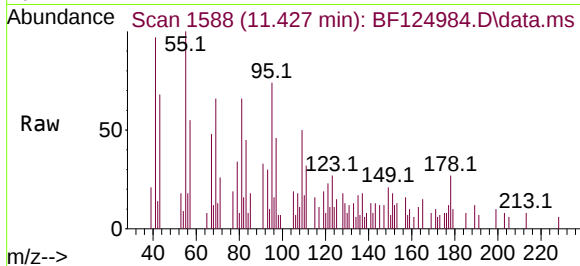




#72
 Anthracene
 Concen: 2.44 ng
 RT: 11.427 min Scan# 1588
 Delta R.T. -0.006 min
 Lab File: BF124984.D
 Acq: 7 Aug 2021 20:36

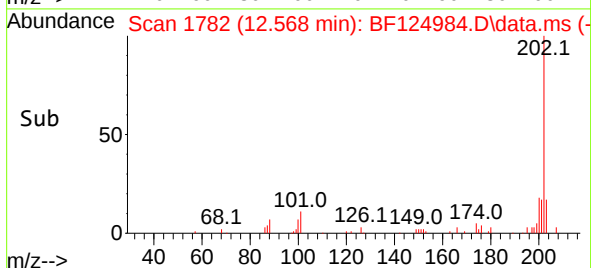
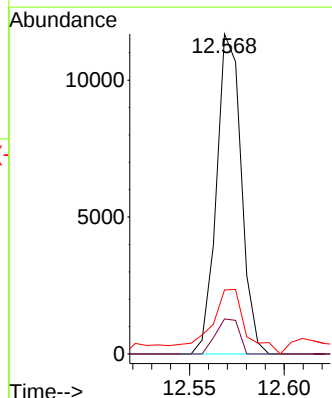
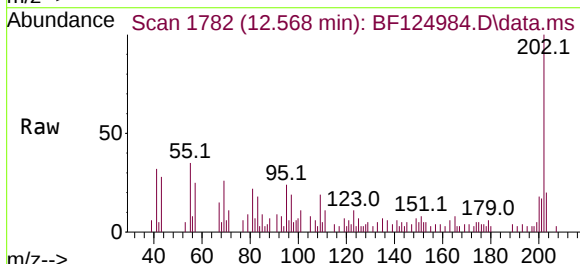
Instrument :
 BNA_F
 ClientSampleId :
 44043RT

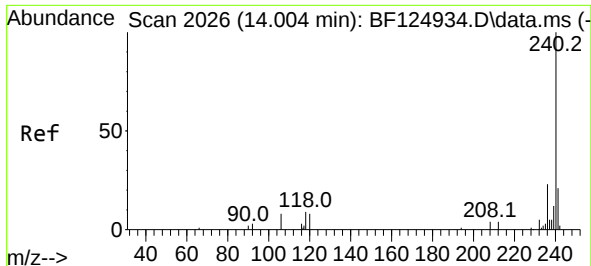
Tgt Ion:178 Resp: 2107
 Ion Ratio Lower Upper
 178 100
 176 30.9 14.3 21.5#
 179 38.9 12.2 18.4#



#75
 Fluoranthene
 Concen: 11.95 ng
 RT: 12.568 min Scan# 1782
 Delta R.T. 0.006 min
 Lab File: BF124984.D
 Acq: 7 Aug 2021 20:36

Tgt Ion:202 Resp: 10625
 Ion Ratio Lower Upper
 202 100
 101 11.0 0.0 30.7
 203 20.0 0.0 36.3

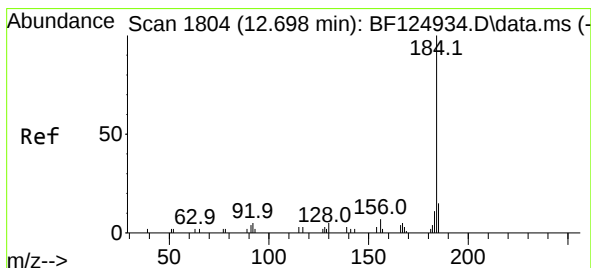
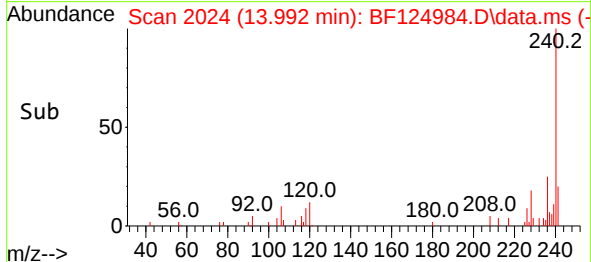
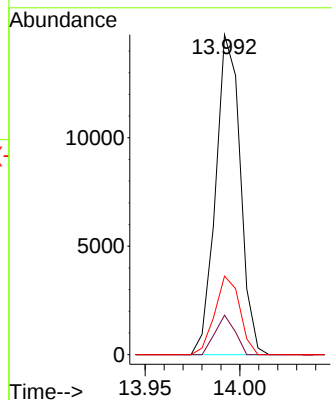
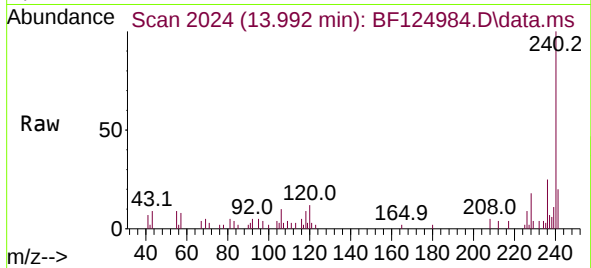




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.992 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF124984.D
Acq: 7 Aug 2021 20:36

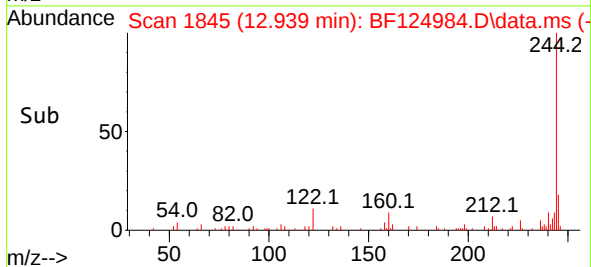
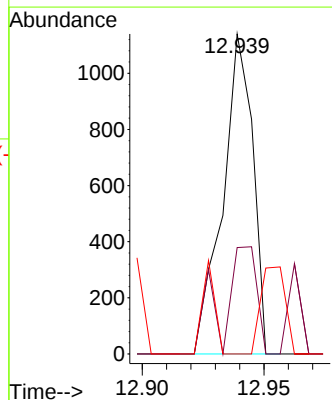
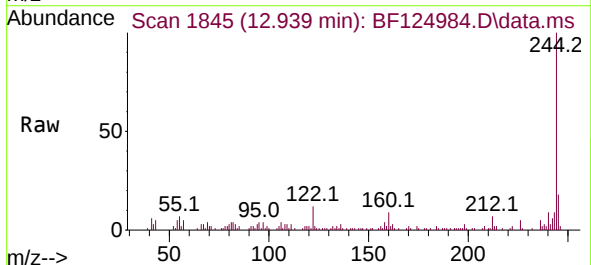
Instrument :
BNA_F
ClientSampleId :
44043RT

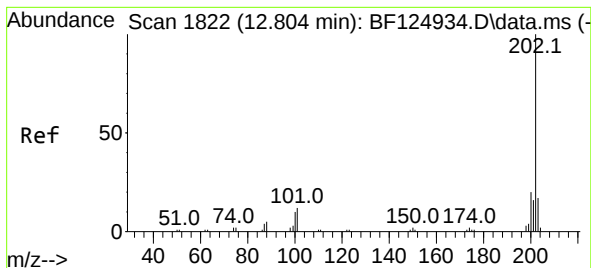
Tgt Ion:240 Resp: 13340
Ion Ratio Lower Upper
240 100
120 12.3 10.8 16.2
236 24.5 21.6 32.4



#77
Benzidine
Concen: 2.74 ng
RT: 12.939 min Scan# 1845
Delta R.T. 0.253 min
Lab File: BF124984.D
Acq: 7 Aug 2021 20:36

Tgt Ion:184 Resp: 979
Ion Ratio Lower Upper
184 100
185 33.2 10.8 16.2#
183 0.0 8.1 12.1#





#78

Pyrene

Concen: 10.06 ng

RT: 12.798 min Scan# 1821

Delta R.T. 0.006 min

Lab File: BF124984.D

Acq: 7 Aug 2021 20:36

Tgt Ion:202 Resp: 10572

Ion Ratio Lower Upper

202 100

200 19.5 15.3 22.9

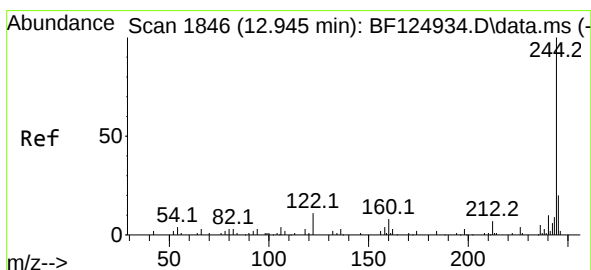
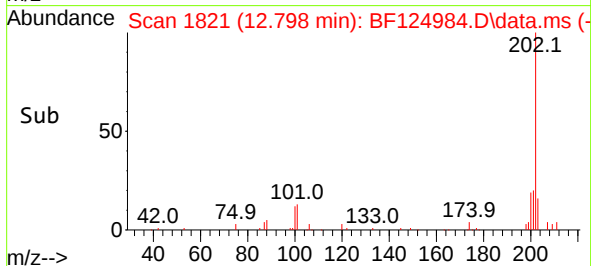
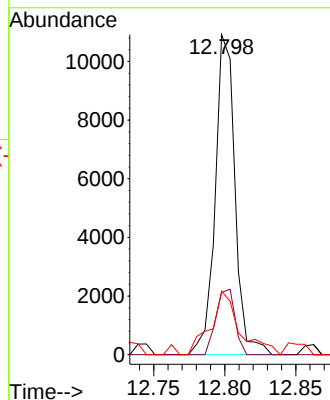
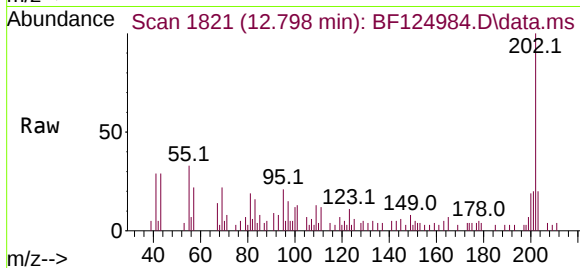
203 19.9 13.4 20.0

Instrument :

BNA_F

ClientSampleId :

44043RT



#79

Terphenyl-d14

Concen: 56.24 ng

RT: 12.939 min Scan# 1845

Delta R.T. 0.000 min

Lab File: BF124984.D

Acq: 7 Aug 2021 20:36

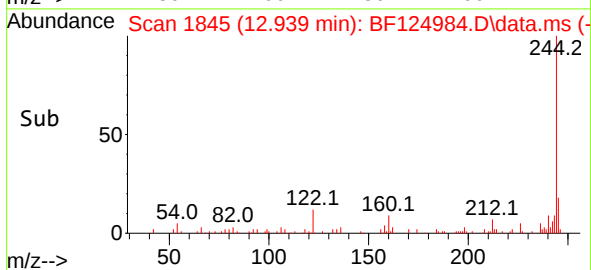
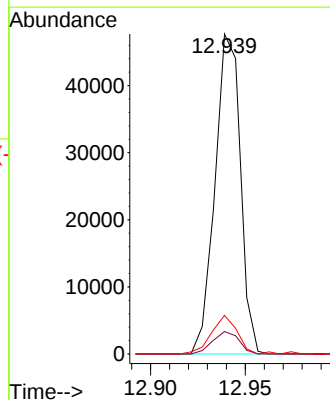
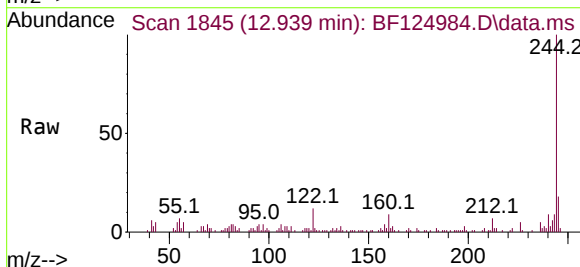
Tgt Ion:244 Resp: 44479

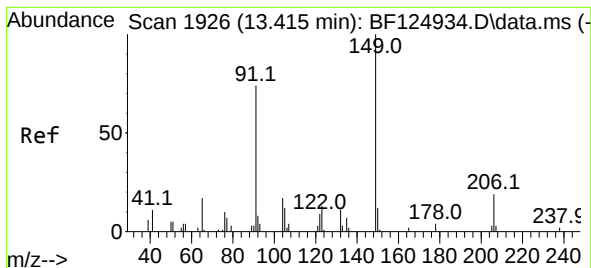
Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

122 12.0 9.0 13.4





#80

Butylbenzylphthalate

Concen: 2.45 ng

RT: 13.410 min Scan# 1925

Delta R.T. 0.000 min

Lab File: BF124984.D

Acq: 7 Aug 2021 20:36

Tgt Ion:149 Resp: 1147

Ion Ratio Lower Upper

149 100

91 94.1 51.8 77.8#

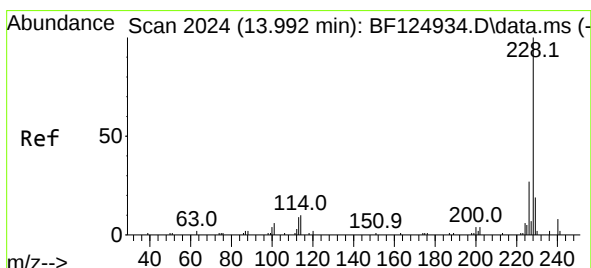
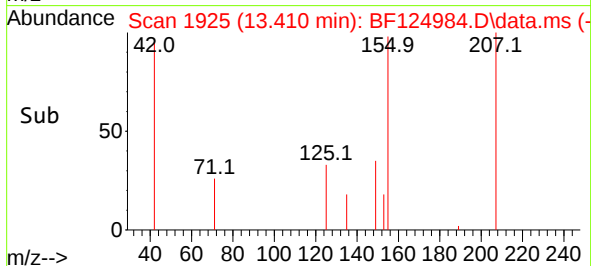
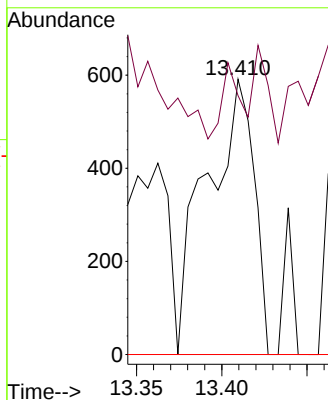
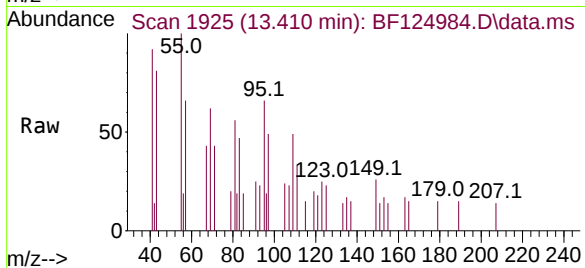
206 0.0 14.5 21.7#

Instrument :

BNA_F

ClientSampleId :

44043RT



#81

Benzo(a)anthracene

Concen: 8.24 ng

RT: 13.986 min Scan# 2023

Delta R.T. 0.006 min

Lab File: BF124984.D

Acq: 7 Aug 2021 20:36

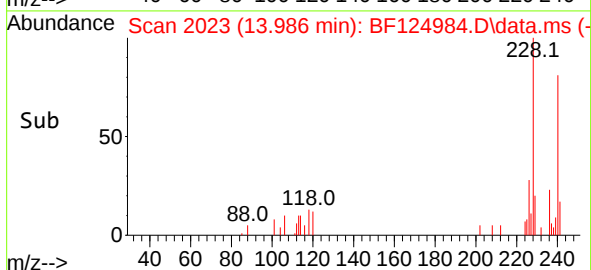
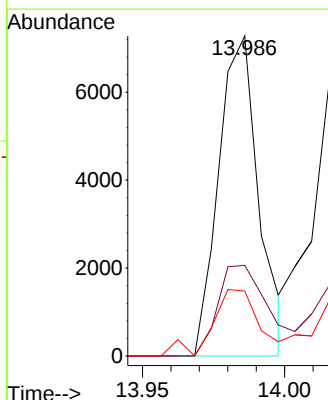
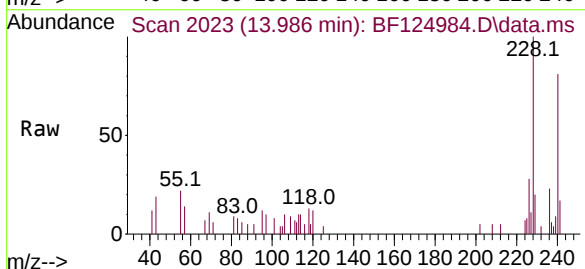
Tgt Ion:228 Resp: 7163

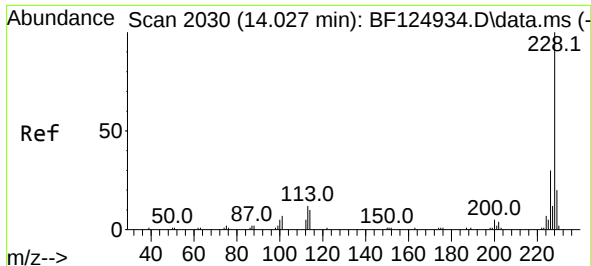
Ion Ratio Lower Upper

228 100

226 28.3 21.6 32.4

229 20.3 15.6 23.4

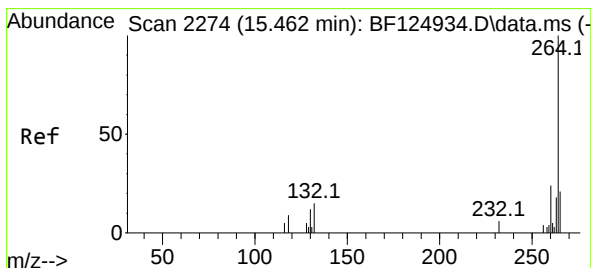
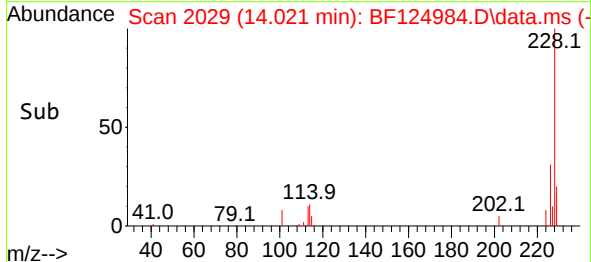
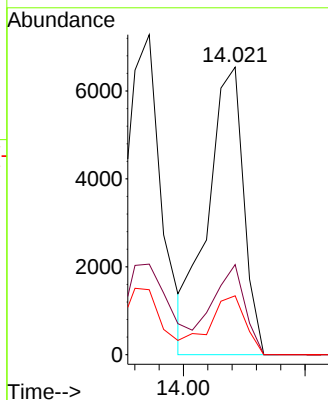
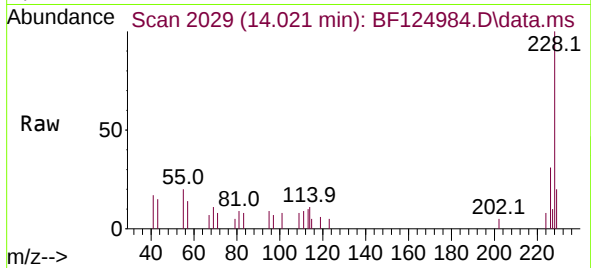




#83
Chrysene
Concen: 7.97 ng
RT: 14.021 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF124984.D
Acq: 7 Aug 2021 20:36

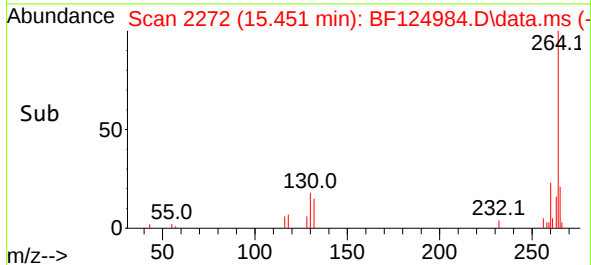
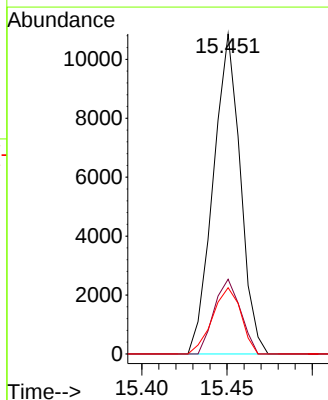
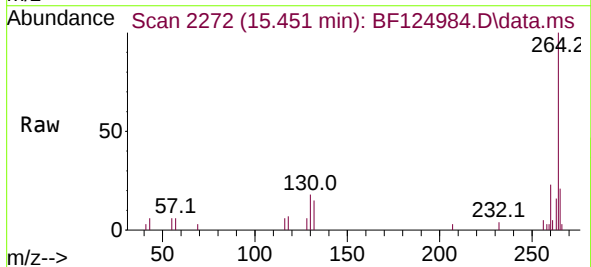
Instrument :
BNA_F
ClientSampleId :
44043RT

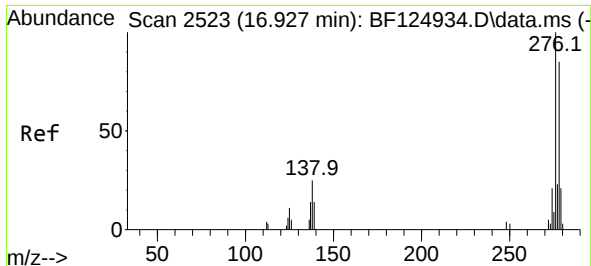
Tgt Ion:228	Resp:	6696
Ion Ratio	Lower	Upper
228	100	
226	31.3	22.6 34.0
229	20.5	15.9 23.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.451 min Scan# 2272
Delta R.T. 0.006 min
Lab File: BF124984.D
Acq: 7 Aug 2021 20:36

Tgt Ion:264	Resp:	12020
Ion Ratio	Lower	Upper
264	100	
260	23.4	19.6 29.4
265	20.7	17.2 25.8

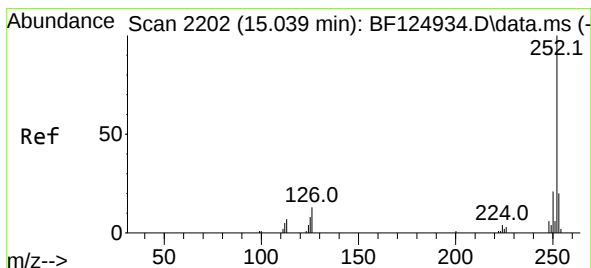
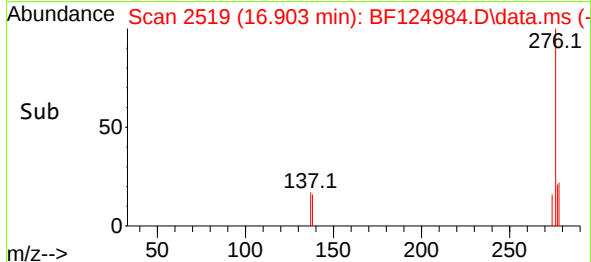
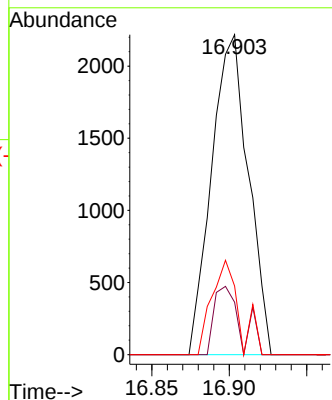
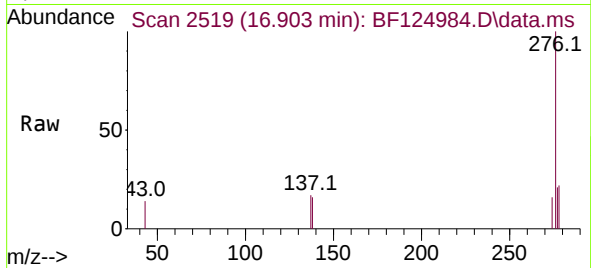




#87
Indeno(1,2,3-cd)pyrene
Concen: 5.11 ng
RT: 16.903 min Scan# 2519
Delta R.T. 0.000 min
Lab File: BF124984.D
Acq: 7 Aug 2021 20:36

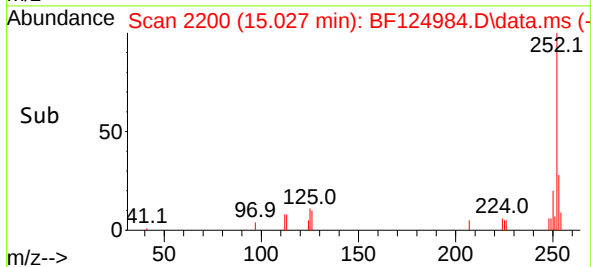
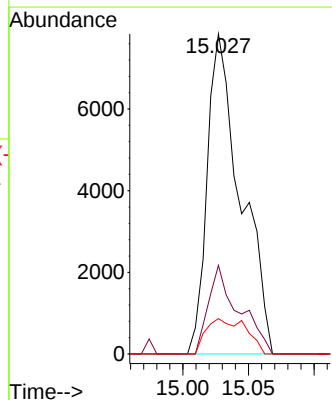
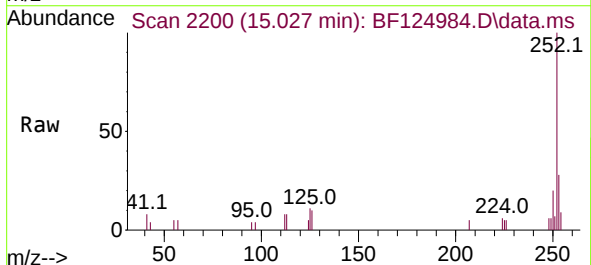
Instrument :
BNA_F
ClientSampled :
44043RT

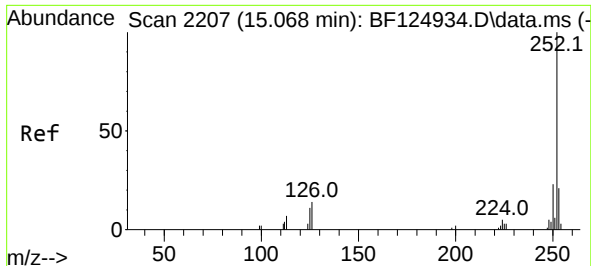
Tgt Ion:276 Resp: 3659
Ion Ratio Lower Upper
276 100
138 15.4 24.1 36.1#
277 22.0 18.8 28.2



#88
Benzo(b)fluoranthene
Concen: 16.49 ng
RT: 15.027 min Scan# 2200
Delta R.T. 0.006 min
Lab File: BF124984.D
Acq: 7 Aug 2021 20:36

Tgt Ion:252 Resp: 13916
Ion Ratio Lower Upper
252 100
253 27.7 16.8 25.2#
125 11.0 9.8 14.8





#89

Benzo(k)fluoranthene

Concen: 18.13 ng

RT: 15.027 min Scan# 2200

Delta R.T. -0.023 min

Lab File: BF124984.D

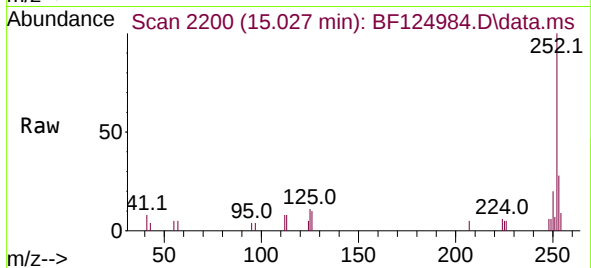
Acq: 7 Aug 2021 20:36

Instrument :

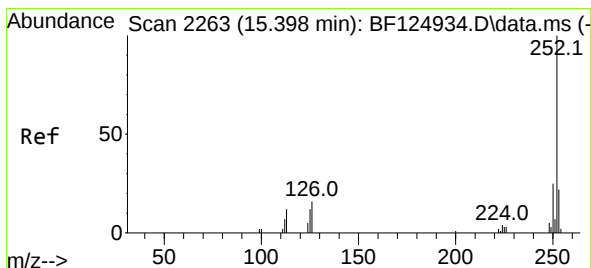
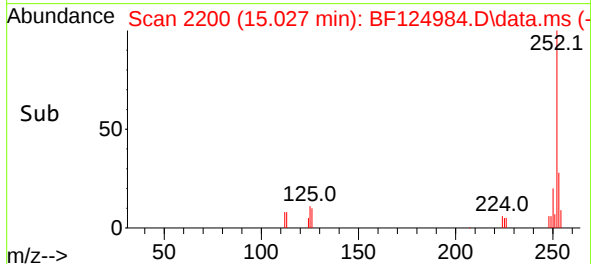
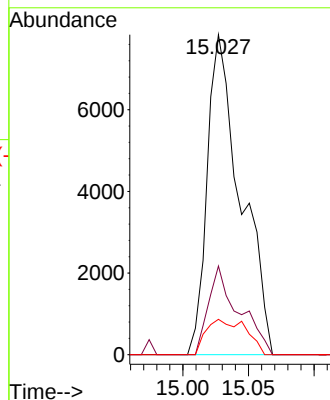
BNA_F

ClientSampleId :

44043RT



Tgt Ion:	252	Resp:	13916
Ion Ratio	Lower	Upper	
252	100		
253	27.7	17.8	26.8#
125	11.0	7.2	10.8#



#90

Benzo(a)pyrene

Concen: 8.69 ng

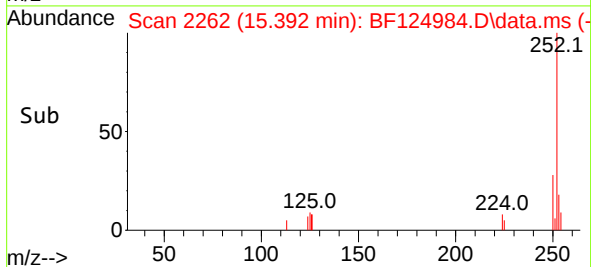
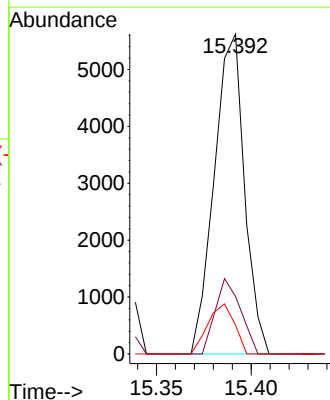
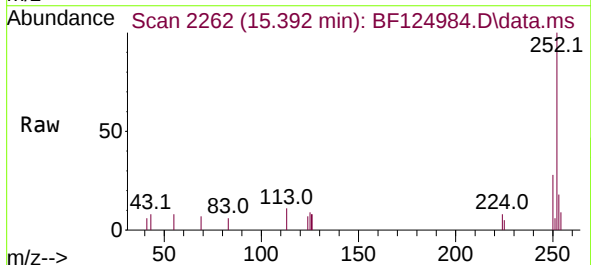
RT: 15.392 min Scan# 2262

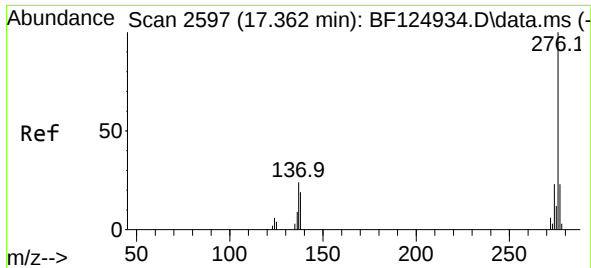
Delta R.T. 0.006 min

Lab File: BF124984.D

Acq: 7 Aug 2021 20:36

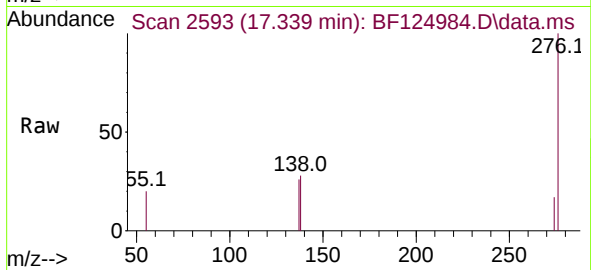
Tgt Ion:	252	Resp:	6245
Ion Ratio	Lower	Upper	
252	100		
253	18.0	18.4	27.6#
125	9.0	9.9	14.9#





#92
 Benzo(g,h,i)perylene
 Concen: 5.40 ng
 RT: 17.339 min Scan# 2593
 Delta R.T. 0.000 min
 Lab File: BF124984.D
 Acq: 7 Aug 2021 20:36

Instrument :
 BNA_F
 ClientSampleId :
 44043RT



Tgt Ion: 276 Resp: 3261
 Ion Ratio Lower Upper
 276 100
 277 0.0 22.0 33.0#
 138 28.4 22.2 33.4

