

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011821\
 Data File : BF123011.D
 Acq On : 19 Jan 2021 3:53
 Operator : JU/CG
 Sample : M1152-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-EF-01-017-ABCD

Quant Time: Jan 19 04:24:02 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 18 13:14:08 2021
 Response via : Initial Calibration

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

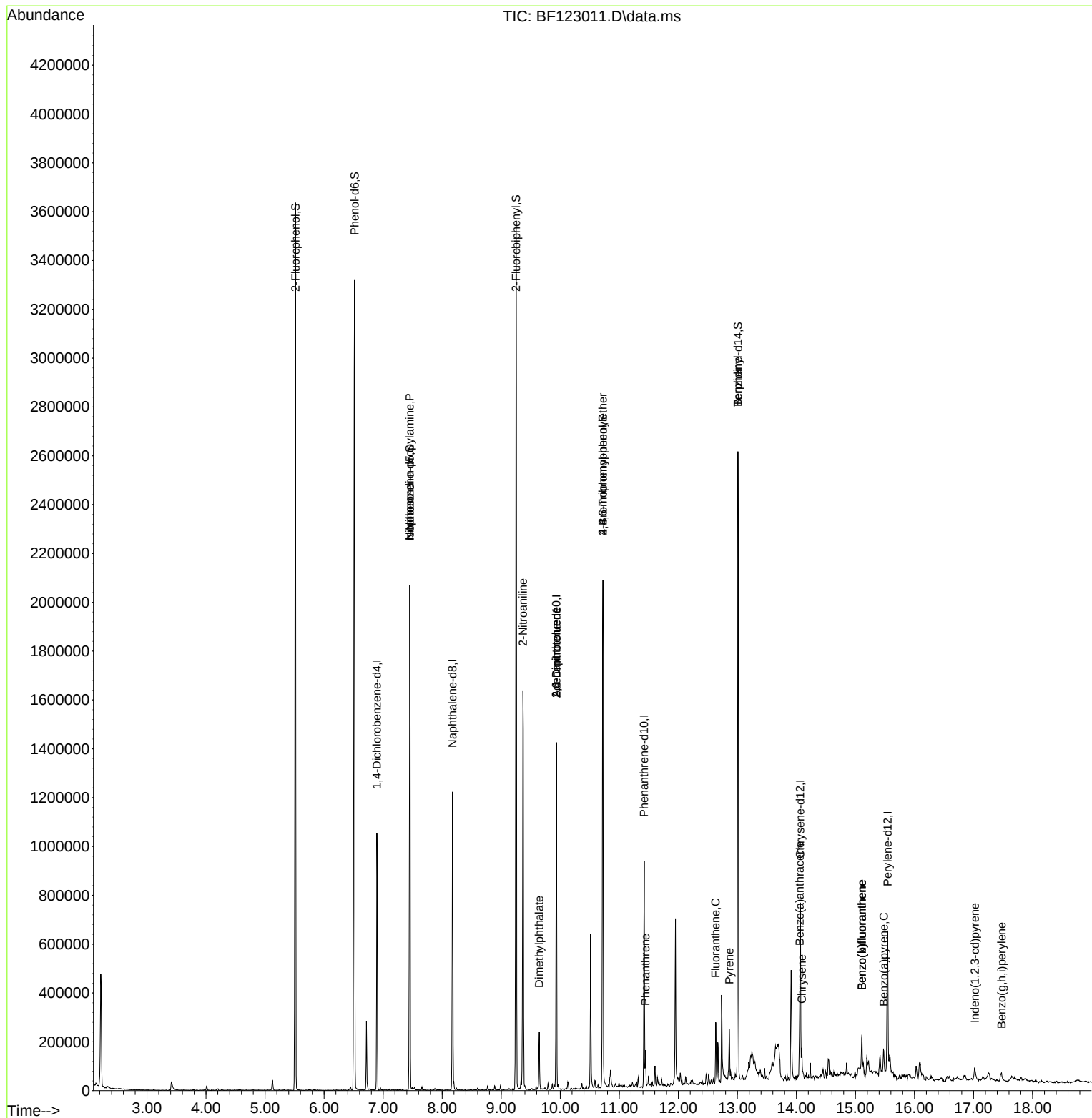
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	130351	20.00	ng	0.00
21) Naphthalene-d8	8.175	136	496999	20.00	ng	# 0.00
39) Acenaphthene-d10	9.933	164	250619	20.00	ng	0.00
64) Phenanthrene-d10	11.421	188	272017	20.00	ng	# 0.00
76) Chrysene-d12	14.062	240	201366	20.00	ng	#-0.01
86) Perylene-d12	15.545	264	242761	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	805793	93.44	ng	0.00
7) Phenol-d6	6.516	99	1050154	90.61	ng	0.00
23) Nitrobenzene-d5	7.451	82	605574	62.70	ng	-0.01
42) 2,4,6-Tribromophenol	10.721	330	225737	79.65	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	1061889	59.33	ng	0.00
79) Terphenyl-d14	13.010	244	721543	65.70	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.445	77	435	Below Cal	#	69
19) n-Nitroso-di-n-propyla...	7.451	70	86488	12.60	ng	# 71
25) Isophorone	7.451	82	605567	35.14	ng	# 65
48) 2-Nitroaniline	9.369	65	16981	2.93	ng	# 5
50) Dimethylphthalate	9.645	163	80173	4.12	ng	# 97
51) 2,6-Dinitrotoluene	9.933	165	32869	7.73	ng	# 32
57) 2,4-Dinitrotoluene	9.933	165	32869	6.01	ng	# 26
67) 4-Bromophenyl-phenylether	10.721	248	13323	4.01	ng	# 1
71) Phenanthrene	11.445	178	45614	2.80	ng	96
75) Fluoranthene	12.633	202	75019	4.55	ng	96
77) Benzidine	13.010	184	10911	2.05	ng	# 92
78) Pyrene	12.862	202	74784	4.64	ng	98
81) Benzo(a)anthracene	14.057	228	35086	2.60	ng	95
83) Chrysene	14.092	228	41654	3.06	ng	98
87) Indeno(1,2,3-cd)pyrene	17.021	276	34173	2.23	ng	96
88) Benzo(b)fluoranthene	15.109	252	80468	4.91	ng	# 95
89) Benzo(k)fluoranthene	15.109	252	80468	4.79	ng	# 96
90) Benzo(a)pyrene	15.480	252	42985	2.90	ng	# 90
92) Benzo(g,h,i)perylene	17.474	276	31489	2.60	ng	# 94

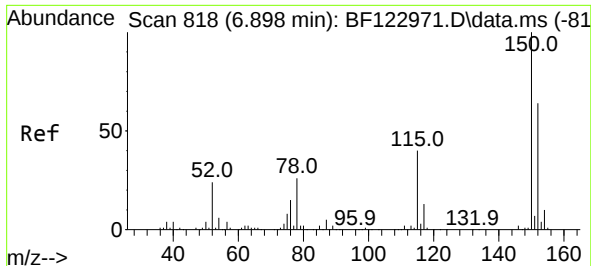
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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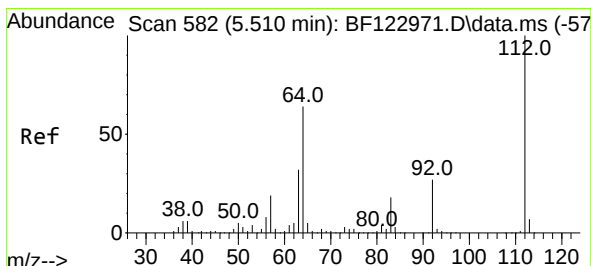
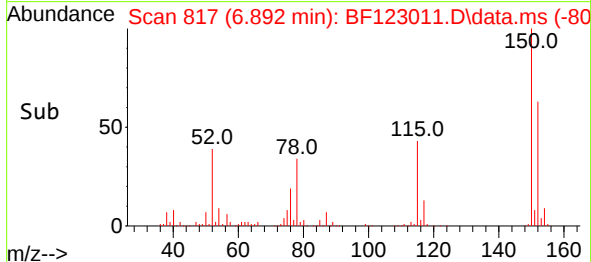
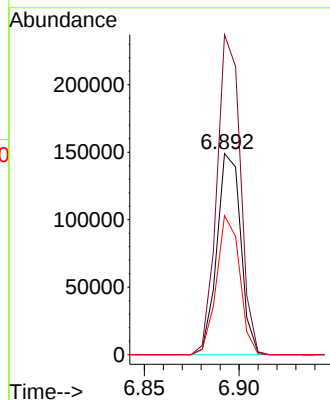
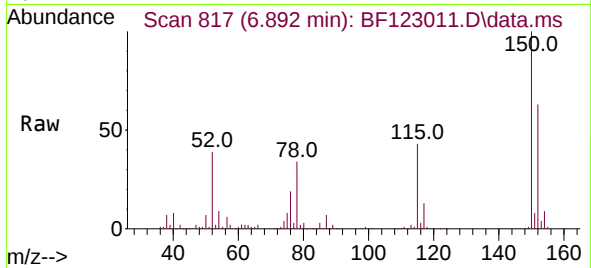




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.892 min Scan# 817
Delta R.T. -0.006 min
Lab File: BF123011.D
Acq: 19 Jan 2021 3:53

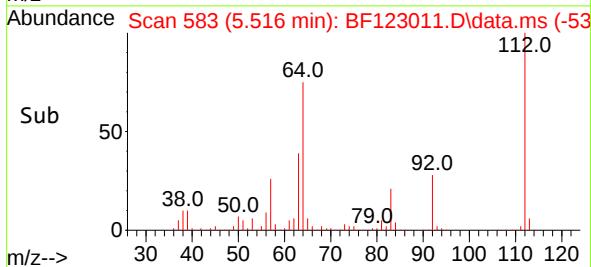
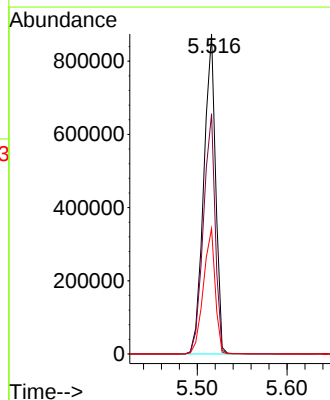
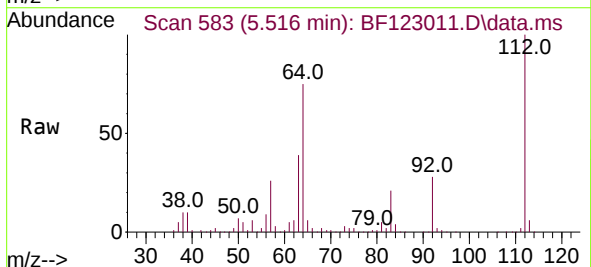
Instrument :
BNA_F
ClientSampleId :
FK-EF-01-017-ABCD

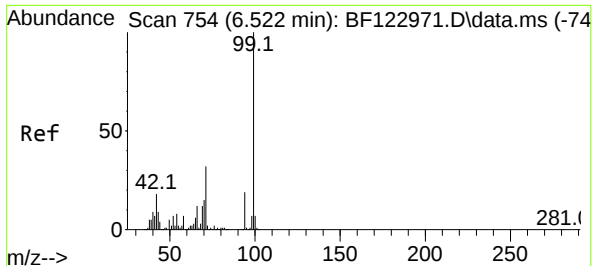
Tgt Ion:152 Resp: 130351
Ion Ratio Lower Upper
152 100
150 159.1 125.8 188.6
115 69.2 49.3 73.9



#5
2-Fluorophenol
Concen: 93.44 ng
RT: 5.516 min Scan# 583
Delta R.T. 0.006 min
Lab File: BF123011.D
Acq: 19 Jan 2021 3:53

Tgt Ion:112 Resp: 805793
Ion Ratio Lower Upper
112 100
64 75.0 46.9 70.3#
63 39.2 24.5 36.7#

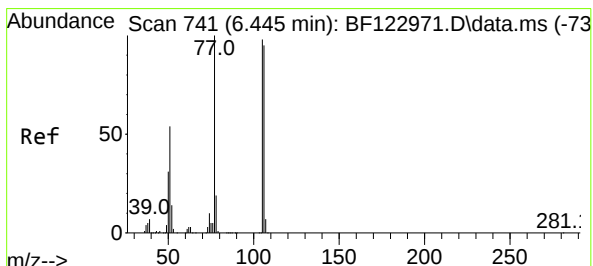
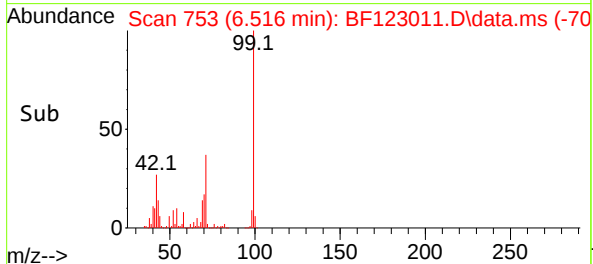
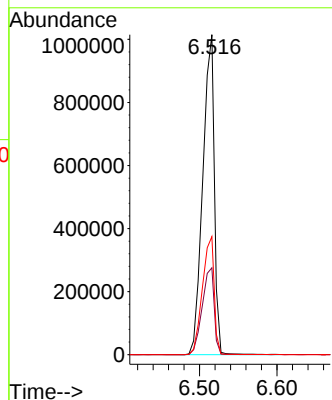
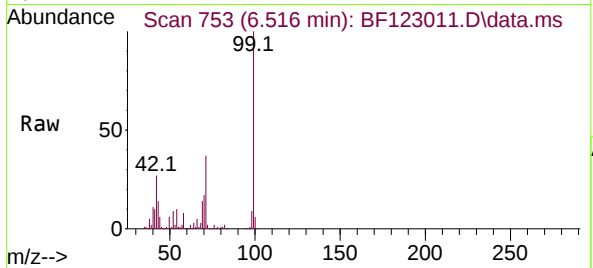




#7
Phenol-d6
Concen: 90.61 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF123011.D
Acq: 19 Jan 2021 3:53

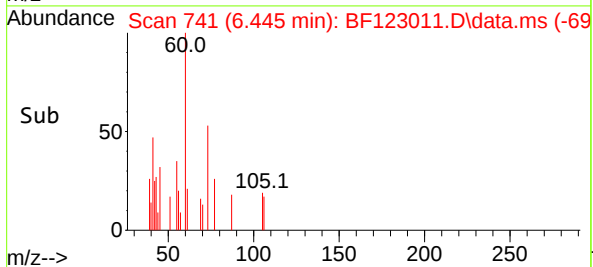
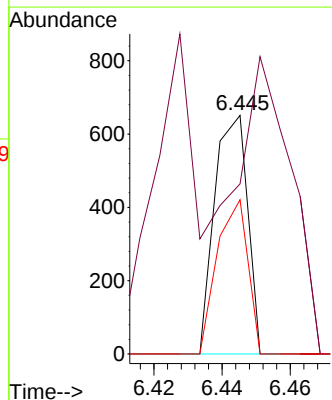
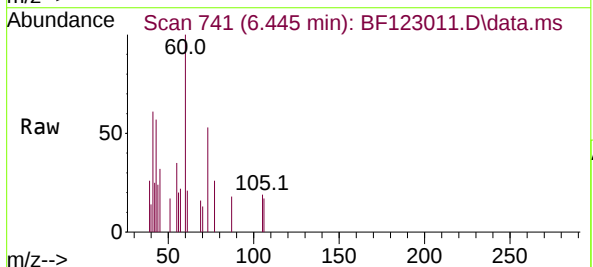
Instrument :
BNA_F
ClientSampleId :
FK-EF-01-017-ABCD

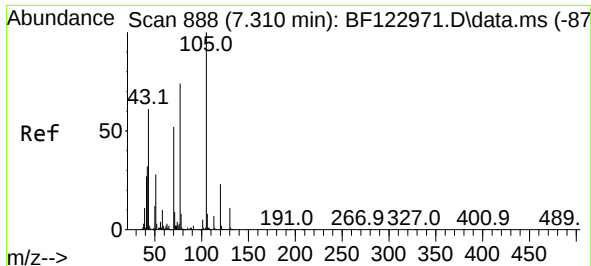
Tgt Ion: 99 Resp: 1050154
Ion Ratio Lower Upper
99 100
42 27.1 13.8 20.6#
71 36.9 26.9 40.3



#9
Benzaldehyde
Concen: Below Cal
RT: 6.445 min Scan# 741
Delta R.T. 0.000 min
Lab File: BF123011.D
Acq: 19 Jan 2021 3:53

Tgt Ion: 77 Resp: 435
Ion Ratio Lower Upper
77 100
105 71.3 80.6 120.6#
106 64.7 77.2 117.2#

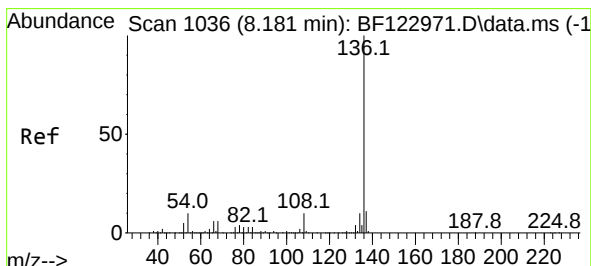
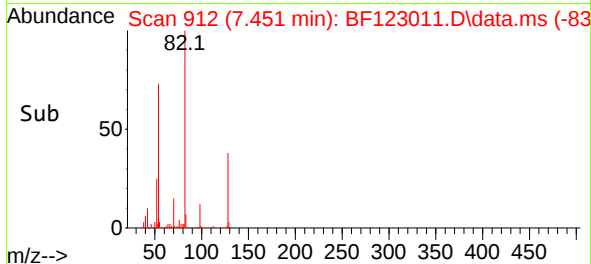
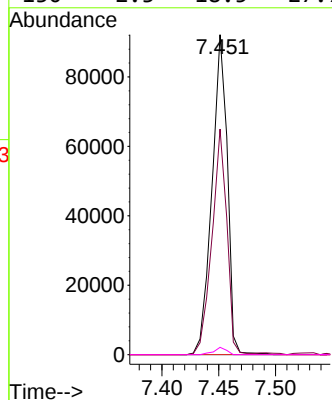
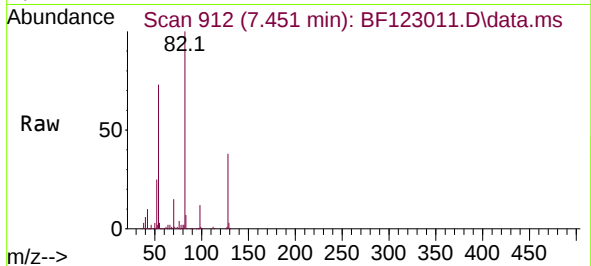




#19
n-Nitroso-di-n-propylamine
Concen: 12.60 ng
RT: 7.451 min Scan# 912
Delta R.T. 0.141 min
Lab File: BF123011.D
Acq: 19 Jan 2021 3:53

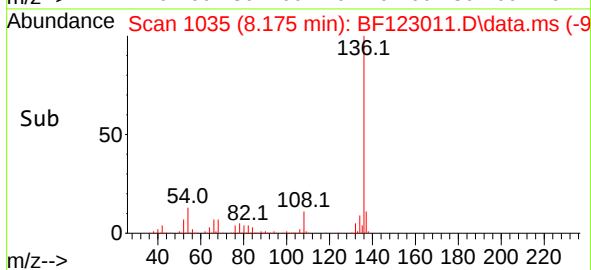
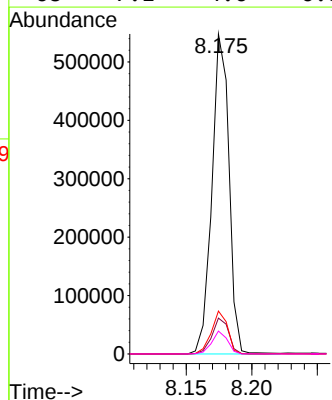
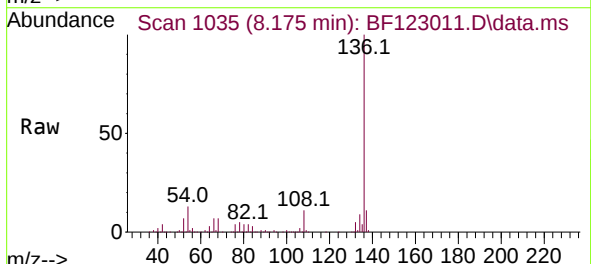
Instrument :
BNA_F
ClientSampleId :
FK-EF-01-017-ABCD

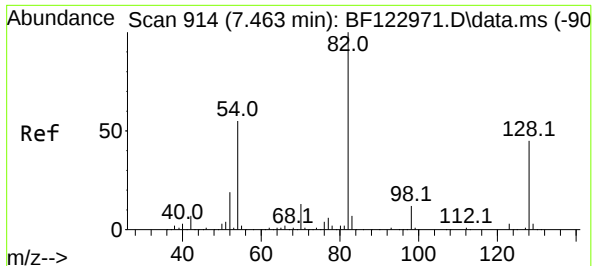
Tgt Ion:	70	Resp:	86488
Ion	Ratio	Lower	Upper
70	100		
42	70.5	43.0	64.4#
101	0.0	7.9	11.9#
130	2.3	18.5	27.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF123011.D
Acq: 19 Jan 2021 3:53

Tgt Ion:	136	Resp:	496999
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	13.4	5.5	8.3#
68	7.1	4.6	6.8#





#23

Nitrobenzene-d5

Concen: 62.70 ng

RT: 7.451 min Scan# 912

Delta R.T. -0.012 min

Lab File: BF123011.D

Acq: 19 Jan 2021 3:53

Tgt Ion: 82 Resp: 605574

Ion Ratio Lower Upper

82 100

128 37.7 37.0 55.4

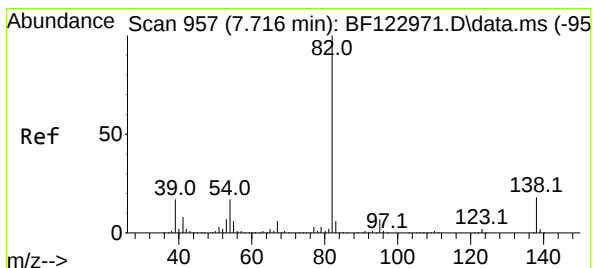
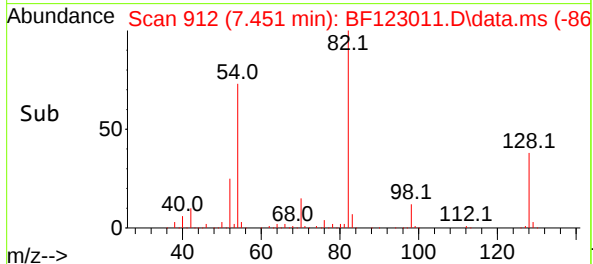
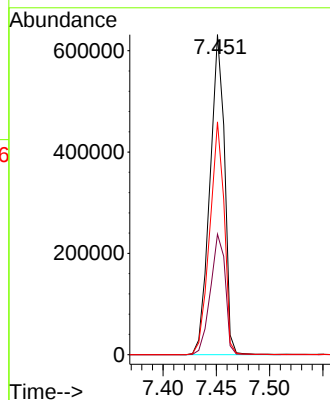
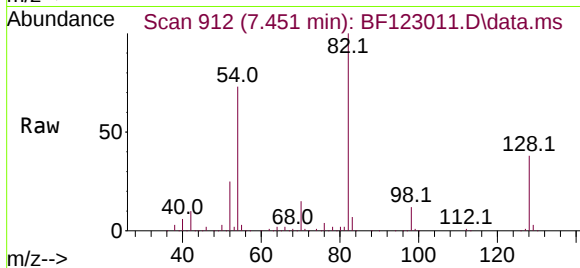
54 72.7 38.4 57.6#

Instrument :

BNA_F

ClientSampleId :

FK-EF-01-017-ABCD



#25

Isophorone

Concen: 35.14 ng

RT: 7.451 min Scan# 912

Delta R.T. -0.265 min

Lab File: BF123011.D

Acq: 19 Jan 2021 3:53

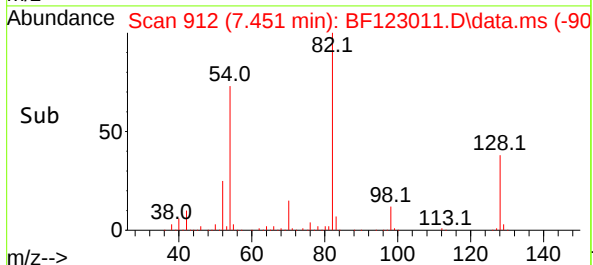
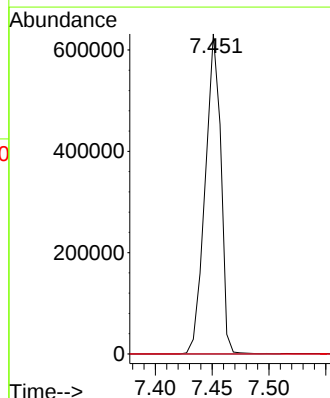
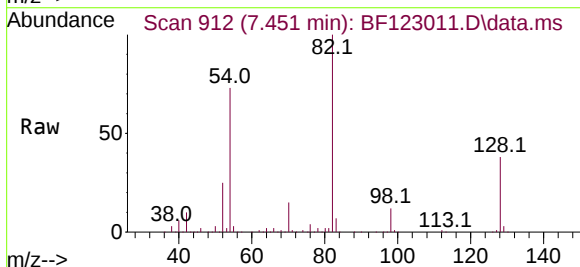
Tgt Ion: 82 Resp: 605567

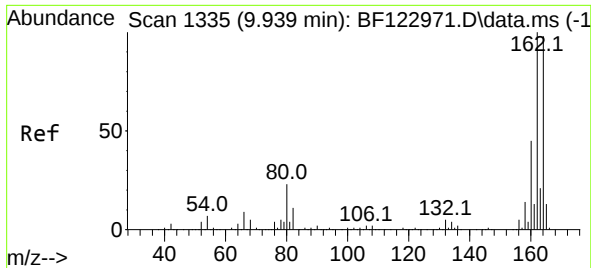
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 14.6 21.8#

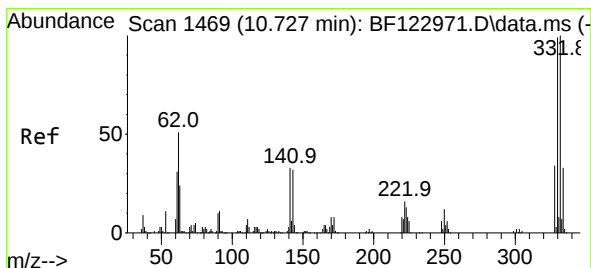
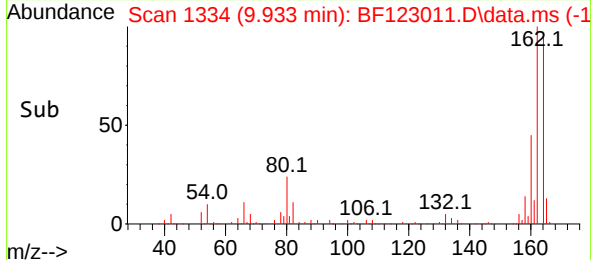
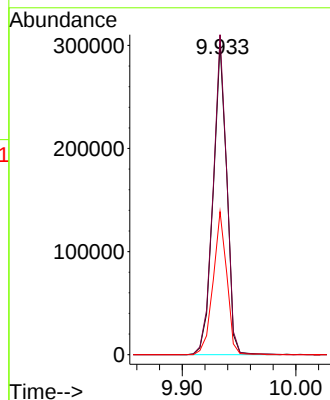
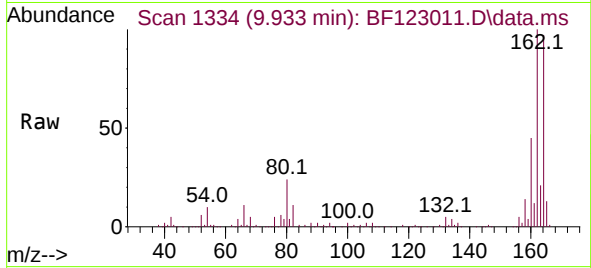




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF123011.D
Acq: 19 Jan 2021 3:53

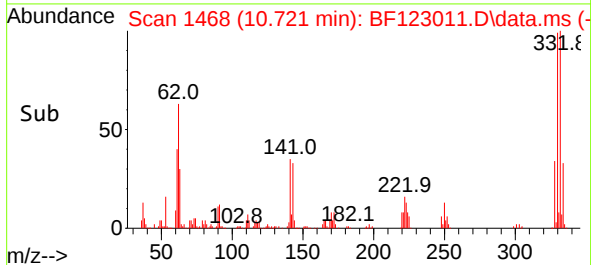
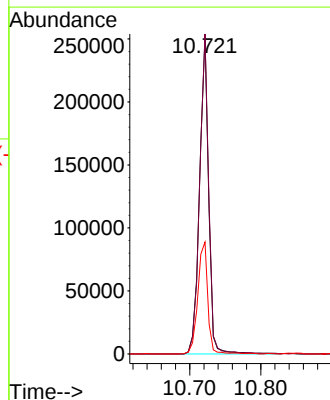
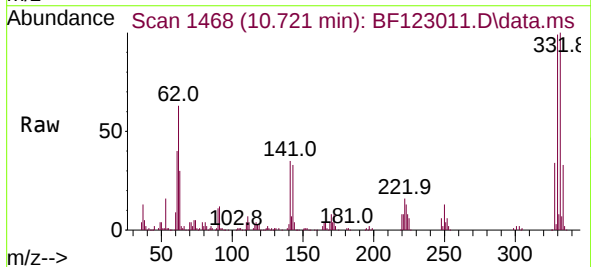
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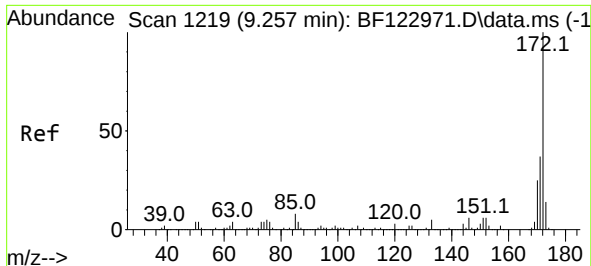
Tgt Ion:164 Resp: 250619
Ion Ratio Lower Upper
164 100
162 103.0 80.8 121.2
160 46.0 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 79.65 ng
RT: 10.721 min Scan# 1468
Delta R.T. -0.006 min
Lab File: BF123011.D
Acq: 19 Jan 2021 3:53

Tgt Ion:330 Resp: 225737
Ion Ratio Lower Upper
330 100
332 100.6 77.5 116.3
141 38.7 23.8 35.8#

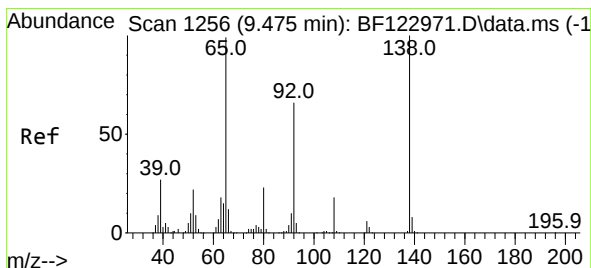
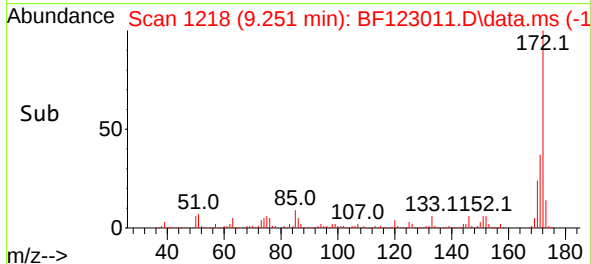
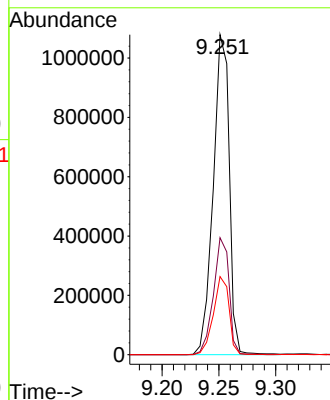
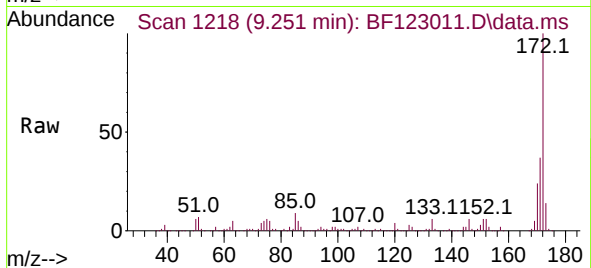




#45
2-Fluorobiphenyl
Concen: 59.33 ng
RT: 9.251 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF123011.D
Acq: 19 Jan 2021 3:53

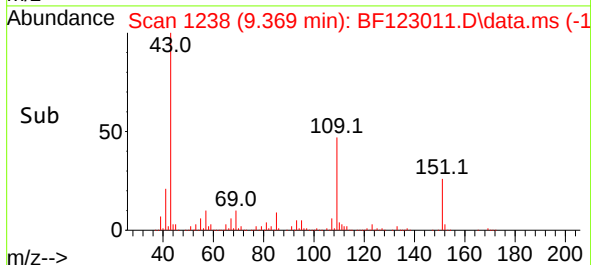
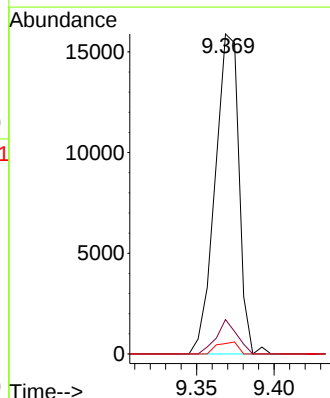
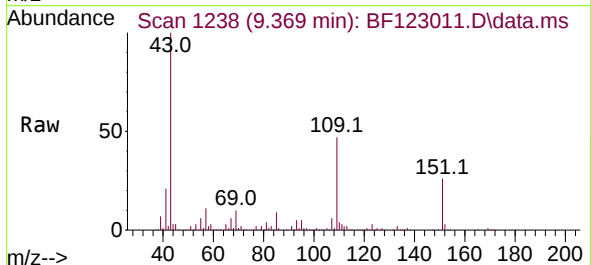
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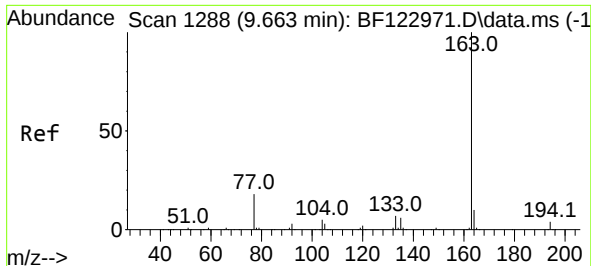
Tgt Ion:172 Resp: 1061889
Ion Ratio Lower Upper
172 100
171 36.5 29.6 44.4
170 24.4 19.5 29.3



#48
2-Nitroaniline
Concen: 2.93 ng
RT: 9.369 min Scan# 1238
Delta R.T. -0.106 min
Lab File: BF123011.D
Acq: 19 Jan 2021 3:53

Tgt Ion: 65 Resp: 16981
Ion Ratio Lower Upper
65 100
92 10.7 60.0 90.0#
138 3.3 100.6 151.0#

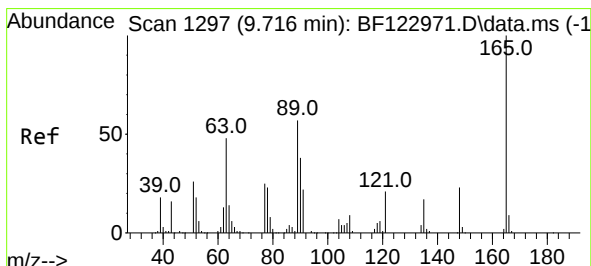
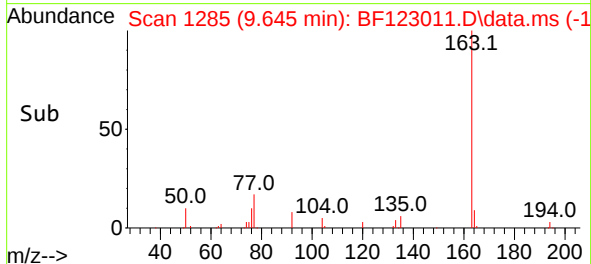
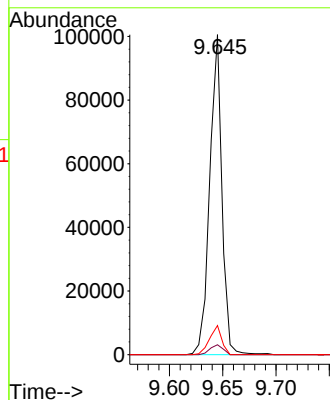
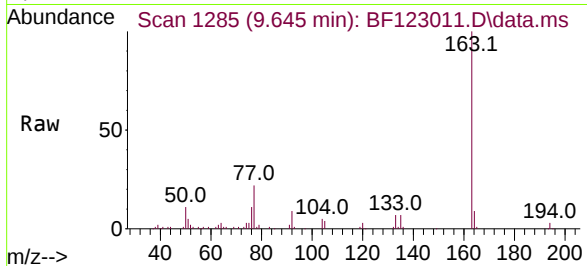




#50
Dimethylphthalate
Concen: 4.12 ng
RT: 9.645 min Scan# 1285
Delta R.T. -0.018 min
Lab File: BF123011.D
Acq: 19 Jan 2021 3:53

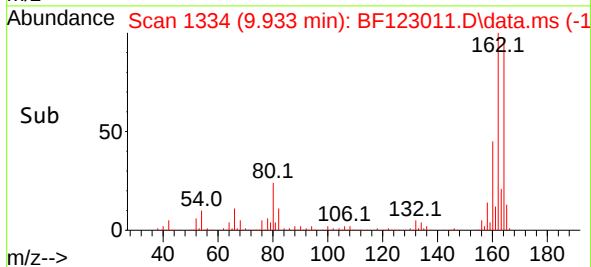
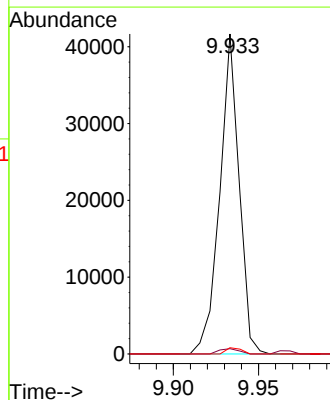
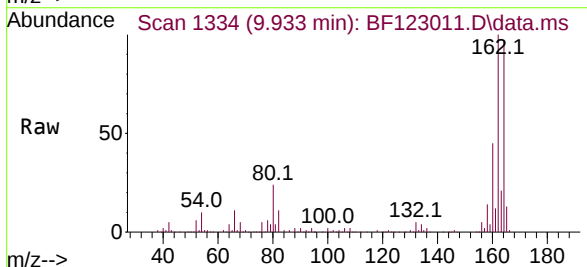
Instrument :
BNA_F
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FK-EF-01-017-ABCD

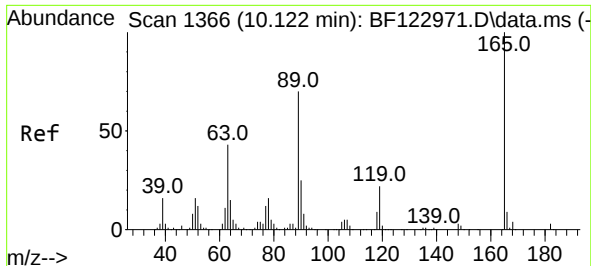
Tgt Ion:163 Resp: 80173
Ion Ratio Lower Upper
163 100
194 3.1 3.4 5.0#
164 9.1 8.1 12.1



#51
2,6-Dinitrotoluene
Concen: 7.73 ng
RT: 9.933 min Scan# 1334
Delta R.T. 0.217 min
Lab File: BF123011.D
Acq: 19 Jan 2021 3:53

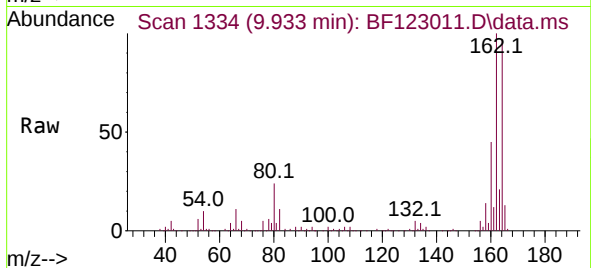
Tgt Ion:165 Resp: 32869
Ion Ratio Lower Upper
165 100
63 1.7 36.6 55.0#
89 1.9 39.4 59.0#



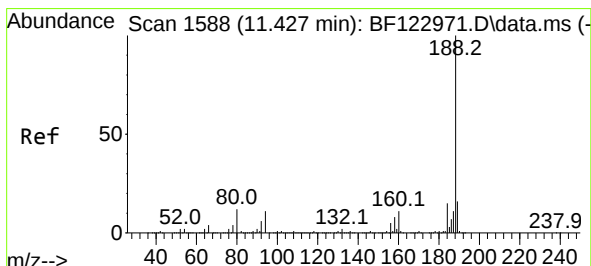
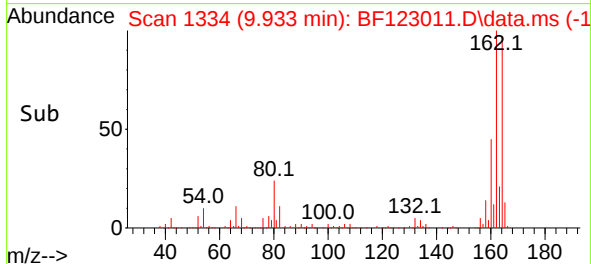
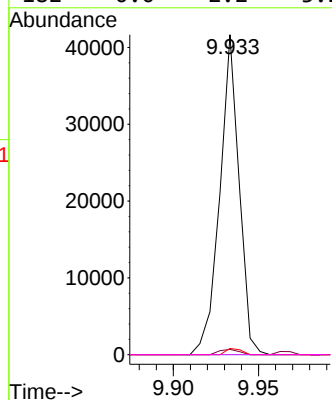


#57
2,4-Dinitrotoluene
Concen: 6.01 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.188 min
Lab File: BF123011.D
Acq: 19 Jan 2021 3:53

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-017-ABCD

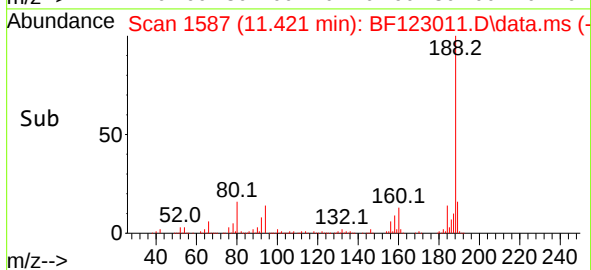
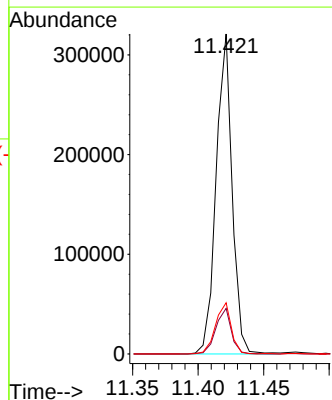
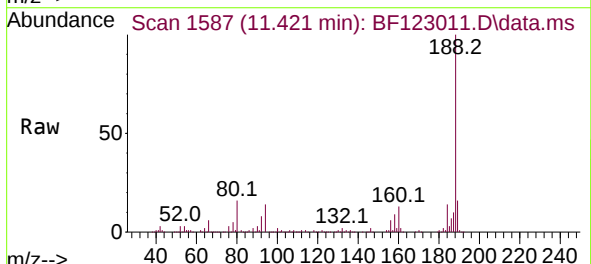


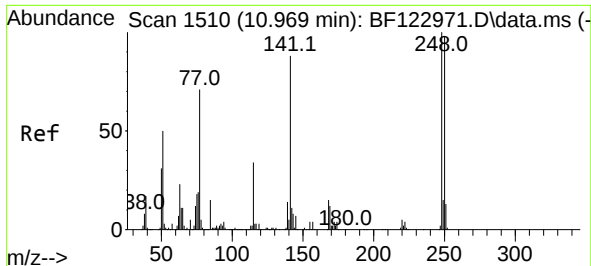
Tgt Ion:165	Resp:	32869
Ion Ratio	Lower	Upper
165	100	
63	1.7	34.3 51.5#
89	1.9	55.2 82.8#
182	0.0	2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.421 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF123011.D
Acq: 19 Jan 2021 3:53

Tgt Ion:188	Resp:	272017
Ion Ratio	Lower	Upper
188	100	
94	14.3	7.4 11.2#
80	16.0	8.2 12.4#

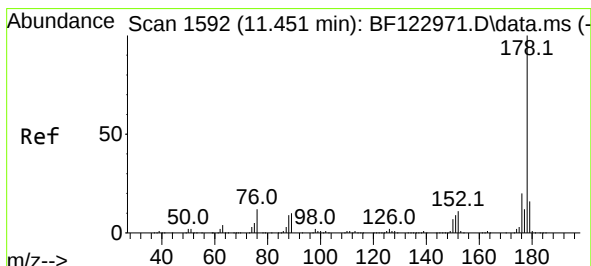
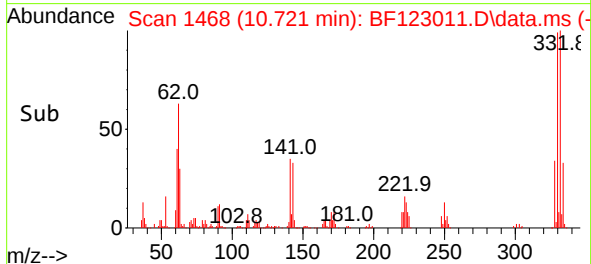
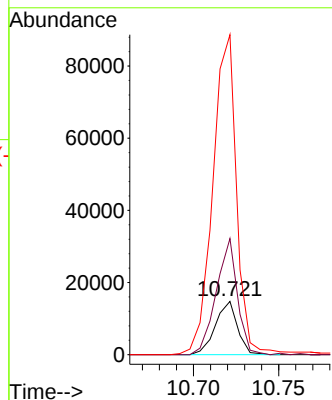
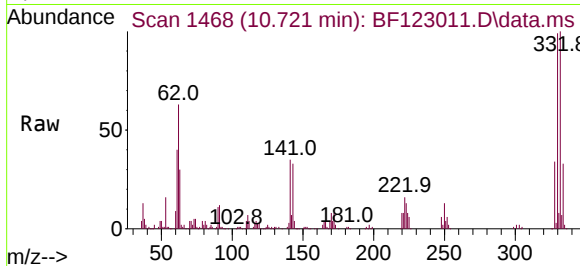




#67
4-Bromophenyl-phenylether
Concen: 4.01 ng
RT: 10.721 min Scan# 1468
Delta R.T. -0.247 min
Lab File: BF123011.D
Acq: 19 Jan 2021 3:53

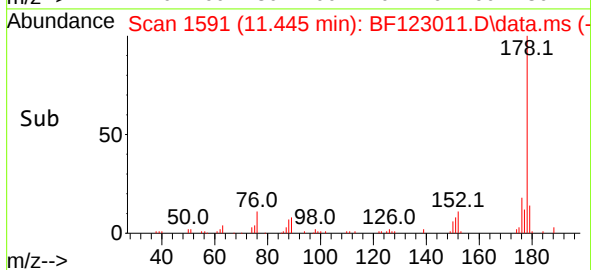
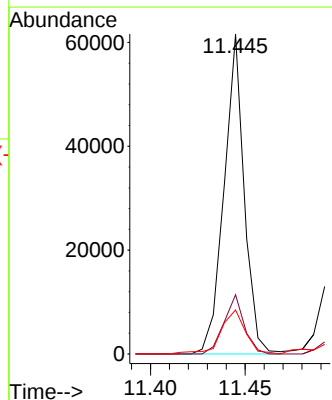
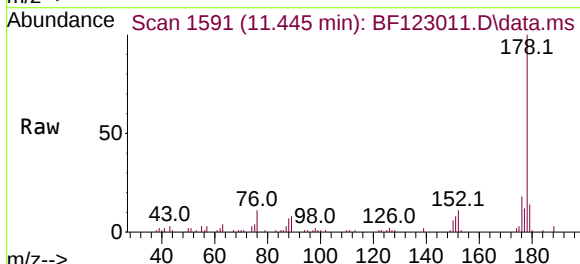
Instrument :
BNA_F
ClientSampleId :
FK-EF-01-017-ABCD

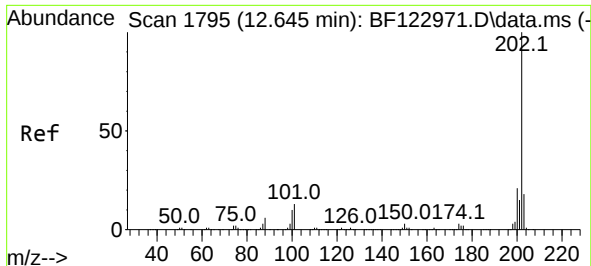
Tgt Ion:248 Resp: 13323
Ion Ratio Lower Upper
248 100
250 217.7 76.8 115.2#
141 600.0 59.8 89.8#



#71
Phenanthrene
Concen: 2.80 ng
RT: 11.445 min Scan# 1591
Delta R.T. -0.006 min
Lab File: BF123011.D
Acq: 19 Jan 2021 3:53

Tgt Ion:178 Resp: 45614
Ion Ratio Lower Upper
178 100
176 18.5 16.2 24.2
179 13.8 12.7 19.1

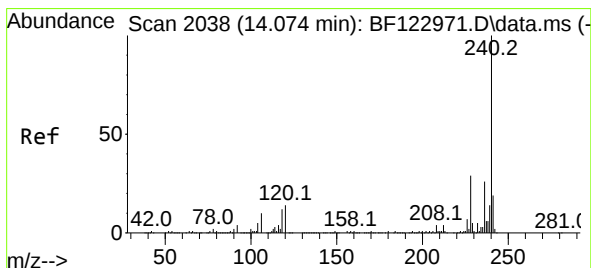
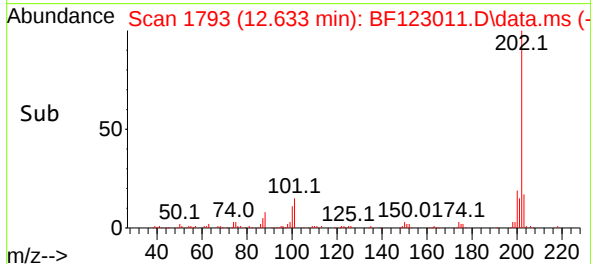
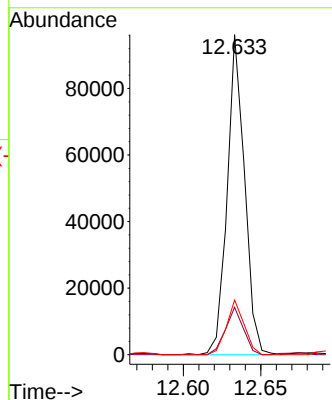
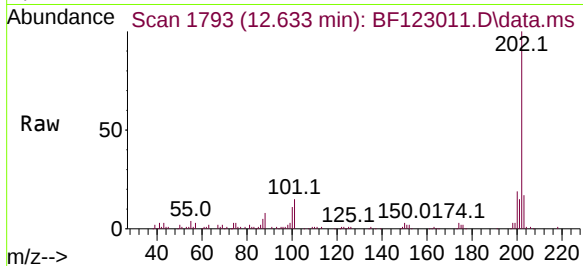




#75
Fluoranthene
Concen: 4.55 ng
RT: 12.633 min Scan# 1793
Delta R.T. -0.012 min
Lab File: BF123011.D
Acq: 19 Jan 2021 3:53

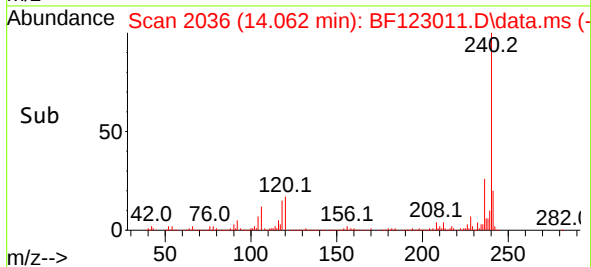
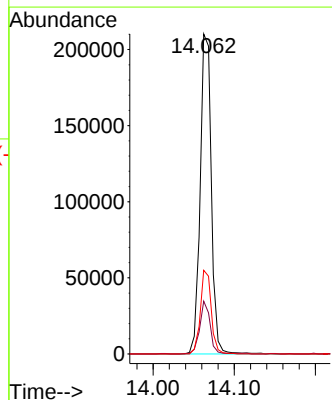
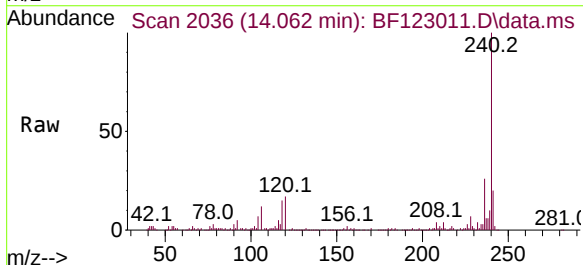
Instrument :
BNA_F
ClientSampleId :
FK-EF-01-017-ABCD

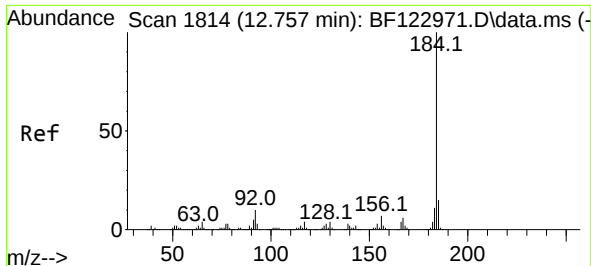
Tgt Ion:	202	Resp:	75019
Ion Ratio	Lower	Upper	
202	100		
101	14.8	0.0	32.2
203	17.1	0.0	38.1



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.062 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF123011.D
Acq: 19 Jan 2021 3:53

Tgt Ion:	240	Resp:	201366
Ion Ratio	Lower	Upper	
240	100		
120	16.5	8.6	12.8#
236	26.1	20.3	30.5

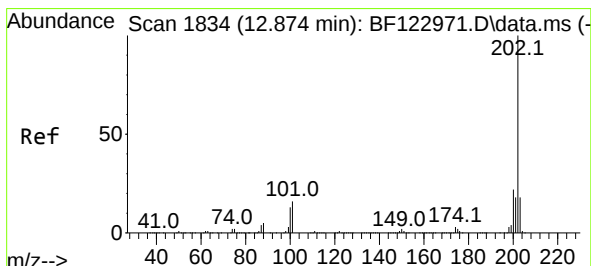
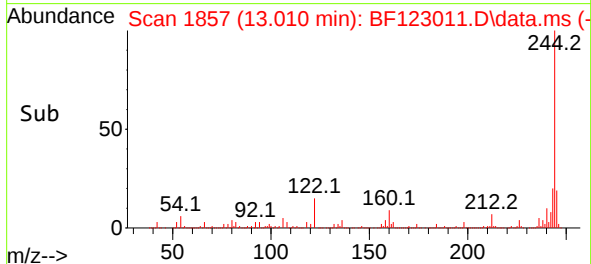
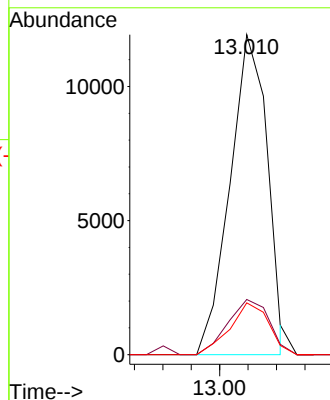
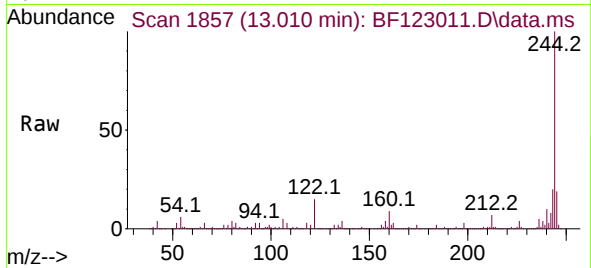




#77
Benzidine
Concen: 2.05 ng
RT: 13.010 min Scan# 1857
Delta R.T. 0.253 min
Lab File: BF123011.D
Acq: 19 Jan 2021 3:53

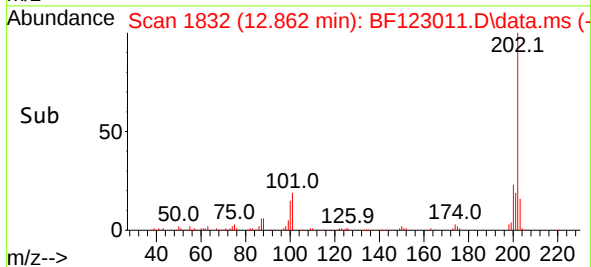
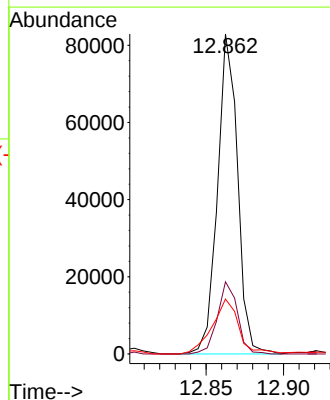
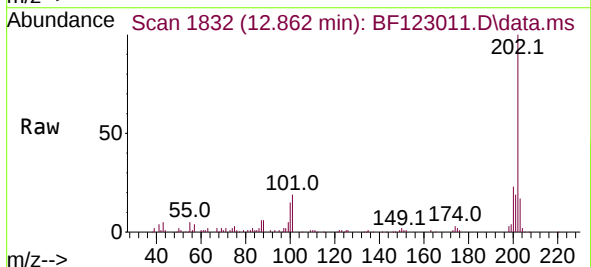
Instrument :
BNA_F
ClientSampleId :
FK-EF-01-017-ABCD

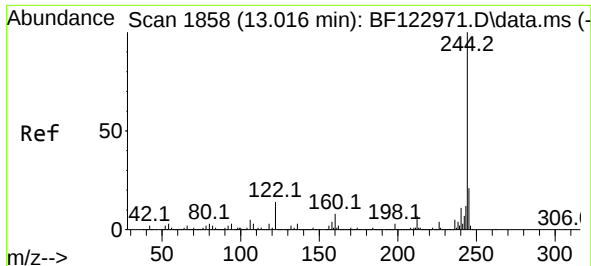
Tgt Ion:184 Resp: 10911
Ion Ratio Lower Upper
184 100
185 17.2 11.8 17.6
183 16.2 9.7 14.5#



#78
Pyrene
Concen: 4.64 ng
RT: 12.862 min Scan# 1832
Delta R.T. -0.012 min
Lab File: BF123011.D
Acq: 19 Jan 2021 3:53

Tgt Ion:202 Resp: 74784
Ion Ratio Lower Upper
202 100
200 22.5 17.6 26.4
203 17.1 14.6 21.8

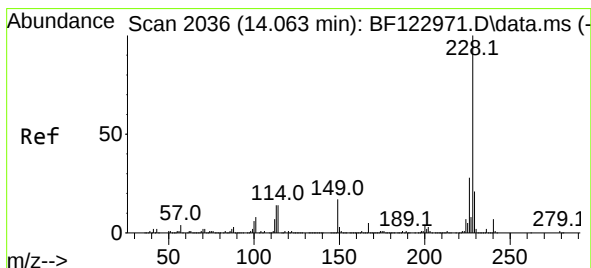
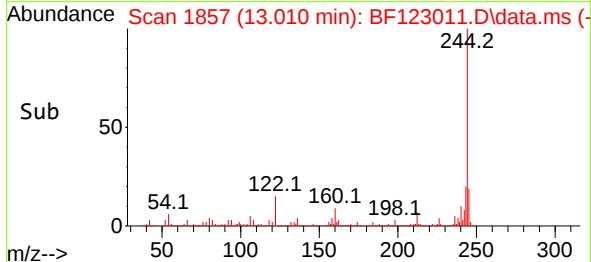
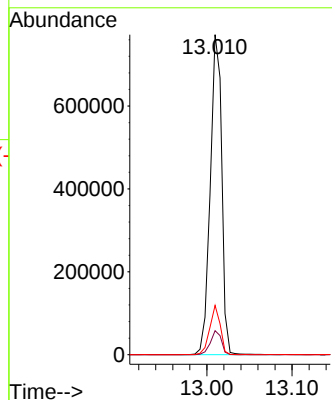
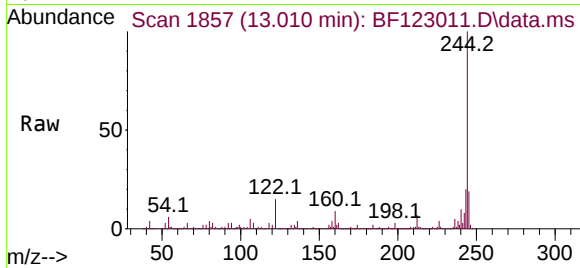




#79
 Terphenyl-d14
 Concen: 65.70 ng
 RT: 13.010 min Scan# 1857
 Delta R.T. -0.006 min
 Lab File: BF123011.D
 Acq: 19 Jan 2021 3:53

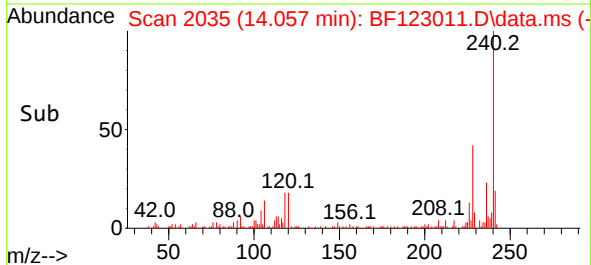
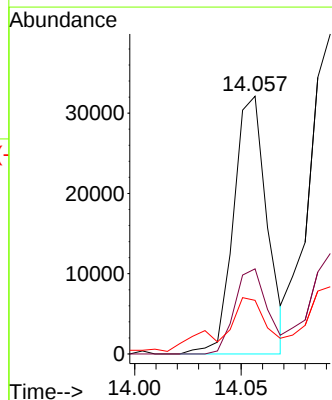
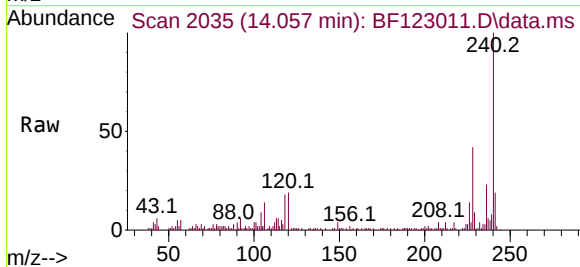
Instrument :
 BNA_F
 ClientSampleId :
 FK-EF-01-017-ABCD

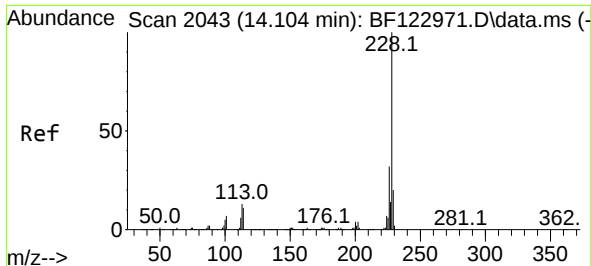
Tgt Ion:244 Resp: 721543
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.7 8.5
 122 15.4 8.3 12.5#



#81
 Benzo(a)anthracene
 Concen: 2.60 ng
 RT: 14.057 min Scan# 2035
 Delta R.T. -0.006 min
 Lab File: BF123011.D
 Acq: 19 Jan 2021 3:53

Tgt Ion:228 Resp: 35086
 Ion Ratio Lower Upper
 228 100
 226 33.0 23.0 34.4
 229 20.8 16.6 24.8

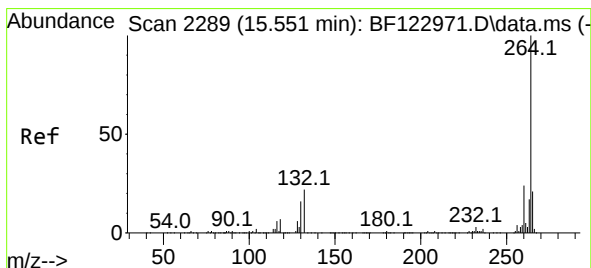
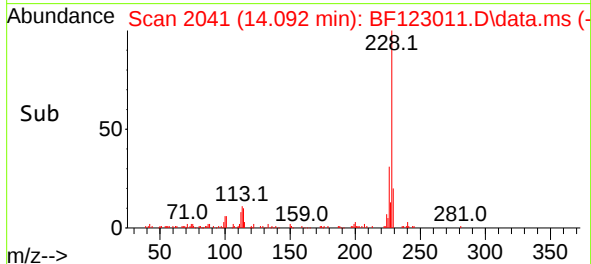
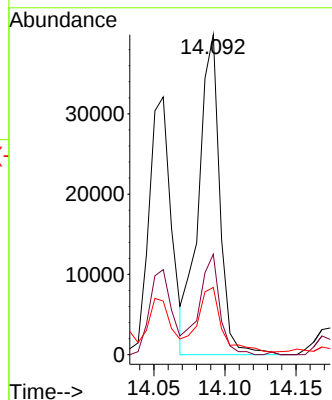
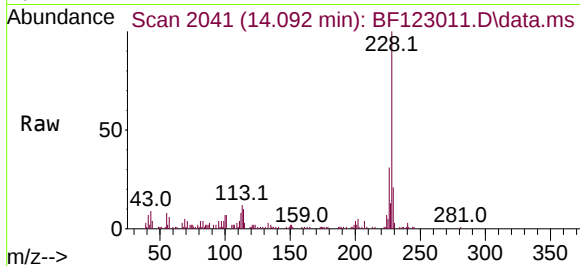




#83
Chrysene
Concen: 3.06 ng
RT: 14.092 min Scan# 2041
Delta R.T. -0.012 min
Lab File: BF123011.D
Acq: 19 Jan 2021 3:53

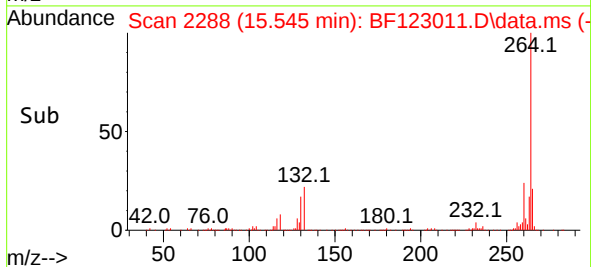
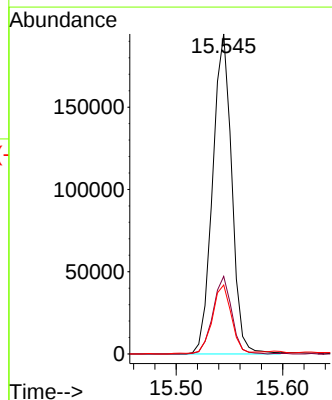
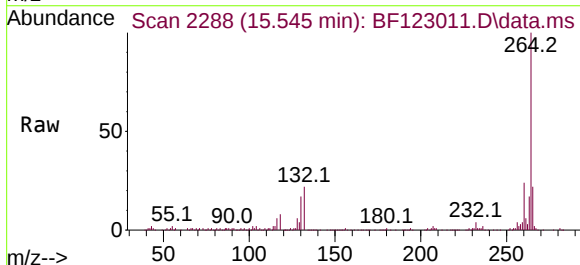
Instrument :
BNA_F
ClientSampleId :
FK-EF-01-017-ABCD

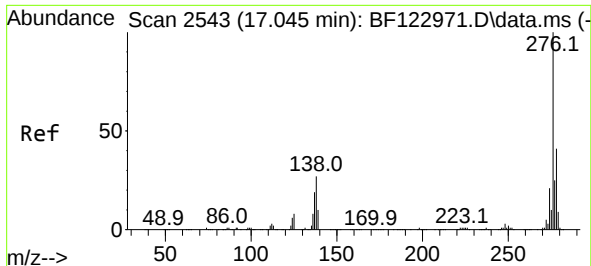
Tgt Ion:228	Resp: 41654
Ion Ratio	Lower Upper
228 100	
226 31.4	24.6 36.8
229 21.0	15.8 23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.545 min Scan# 2288
Delta R.T. -0.006 min
Lab File: BF123011.D
Acq: 19 Jan 2021 3:53

Tgt Ion:264	Resp: 242761
Ion Ratio	Lower Upper
264 100	
260 24.3	18.6 28.0
265 21.6	17.0 25.6

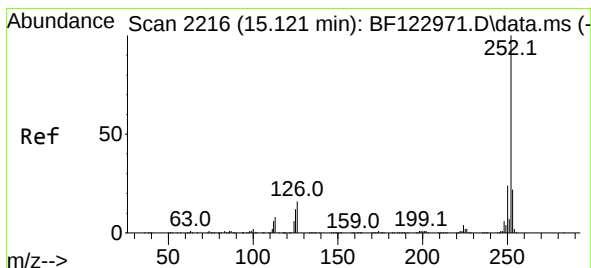
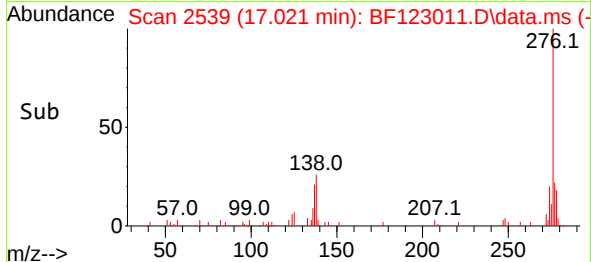
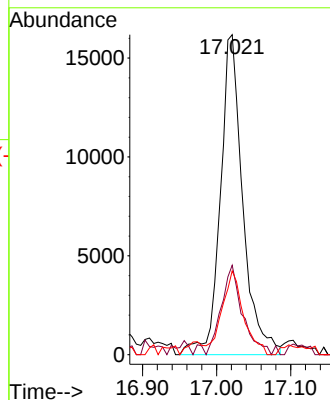
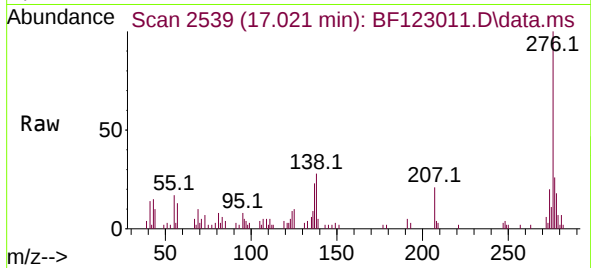




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.23 ng
RT: 17.021 min Scan# 2539
Delta R.T. -0.024 min
Lab File: BF123011.D
Acq: 19 Jan 2021 3:53

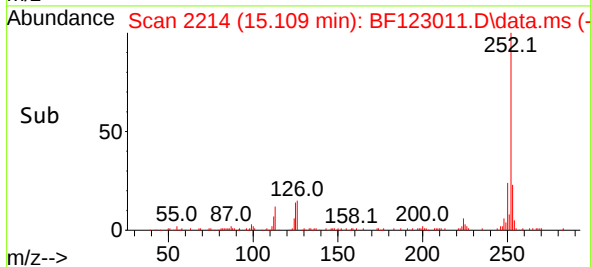
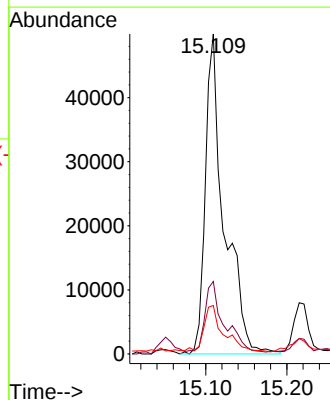
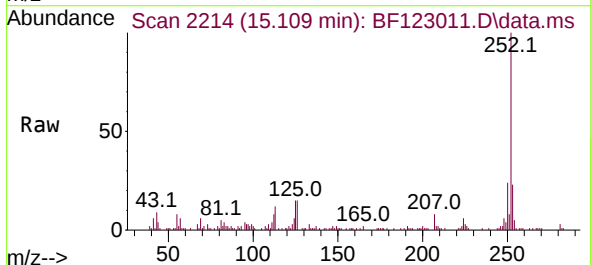
Instrument :
BNA_F
ClientSampleId :
FK-EF-01-017-ABCD

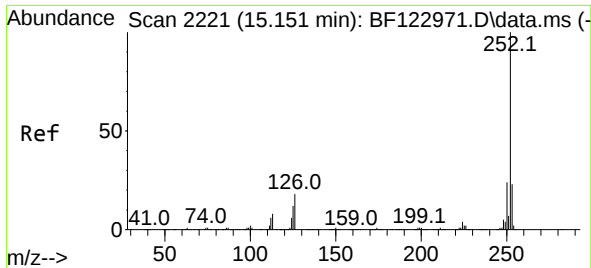
Tgt Ion:276 Resp: 34173
Ion Ratio Lower Upper
276 100
138 26.7 18.7 28.1
277 24.9 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 4.91 ng
RT: 15.109 min Scan# 2214
Delta R.T. -0.012 min
Lab File: BF123011.D
Acq: 19 Jan 2021 3:53

Tgt Ion:252 Resp: 80468
Ion Ratio Lower Upper
252 100
253 22.7 18.3 27.5
125 15.2 8.1 12.1#

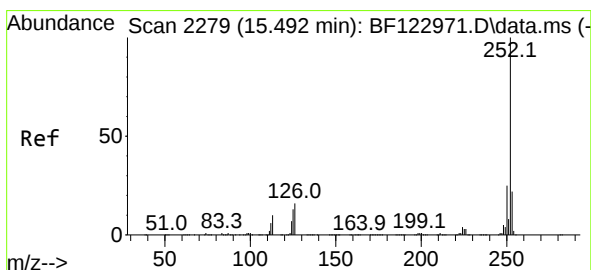
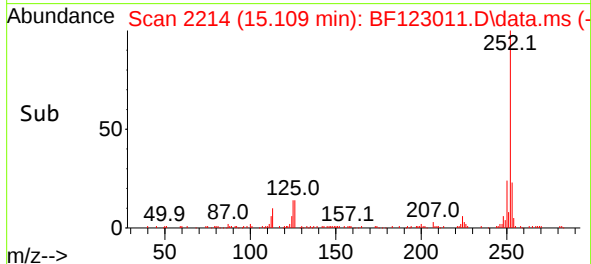
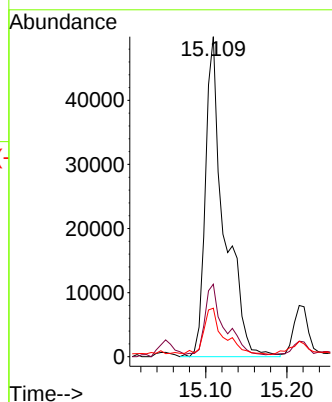
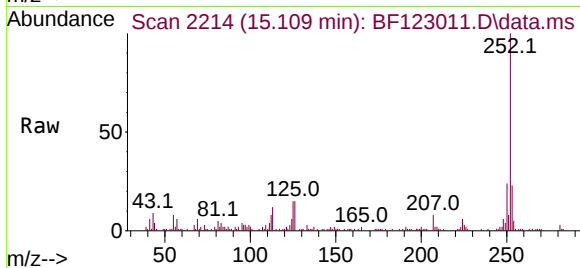




#89
Benzo(k)fluoranthene
Concen: 4.79 ng
RT: 15.109 min Scan# 2214
Delta R.T. -0.041 min
Lab File: BF123011.D
Acq: 19 Jan 2021 3:53

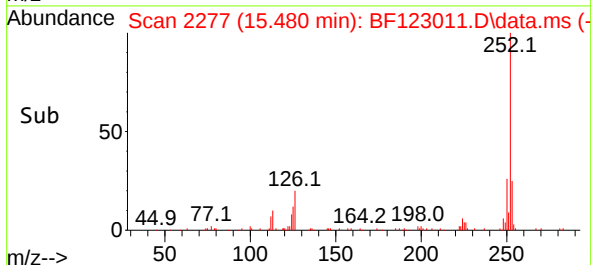
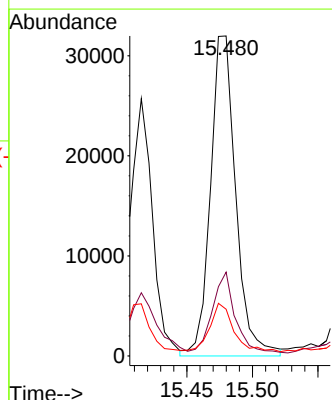
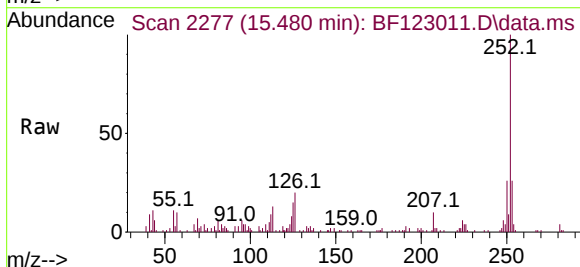
Instrument :
BNA_F
ClientSampleId :
FK-EF-01-017-ABCD

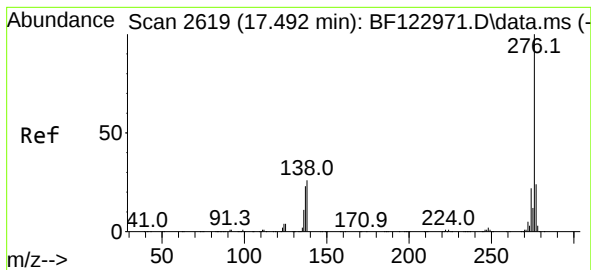
Tgt Ion:252 Resp: 80468
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.8
125 15.2 8.4 12.6#



#90
Benzo(a)pyrene
Concen: 2.90 ng
RT: 15.480 min Scan# 2277
Delta R.T. -0.012 min
Lab File: BF123011.D
Acq: 19 Jan 2021 3:53

Tgt Ion:252 Resp: 42985
Ion Ratio Lower Upper
252 100
253 26.2 17.5 26.3
125 14.6 8.6 12.8#





#92
 Benzo(g,h,i)perylene
 Concen: 2.60 ng
 RT: 17.474 min Scan# 2616
 Delta R.T. -0.018 min
 Lab File: BF123011.D
 Acq: 19 Jan 2021 3:53

Instrument :
 BNA_F
 ClientSampleId :
 FK-EF-01-017-ABCD

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.3	28.9
138	25.0	16.6	24.8

