

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032421\
 Data File : BF123448.D
 Acq On : 24 Mar 2021 19:58
 Operator : JU/CG
 Sample : M1720-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2A-(0.5-1.0)

Quant Time: Mar 25 00:40:41 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 24 12:51:15 2021
 Response via : Initial Calibration

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

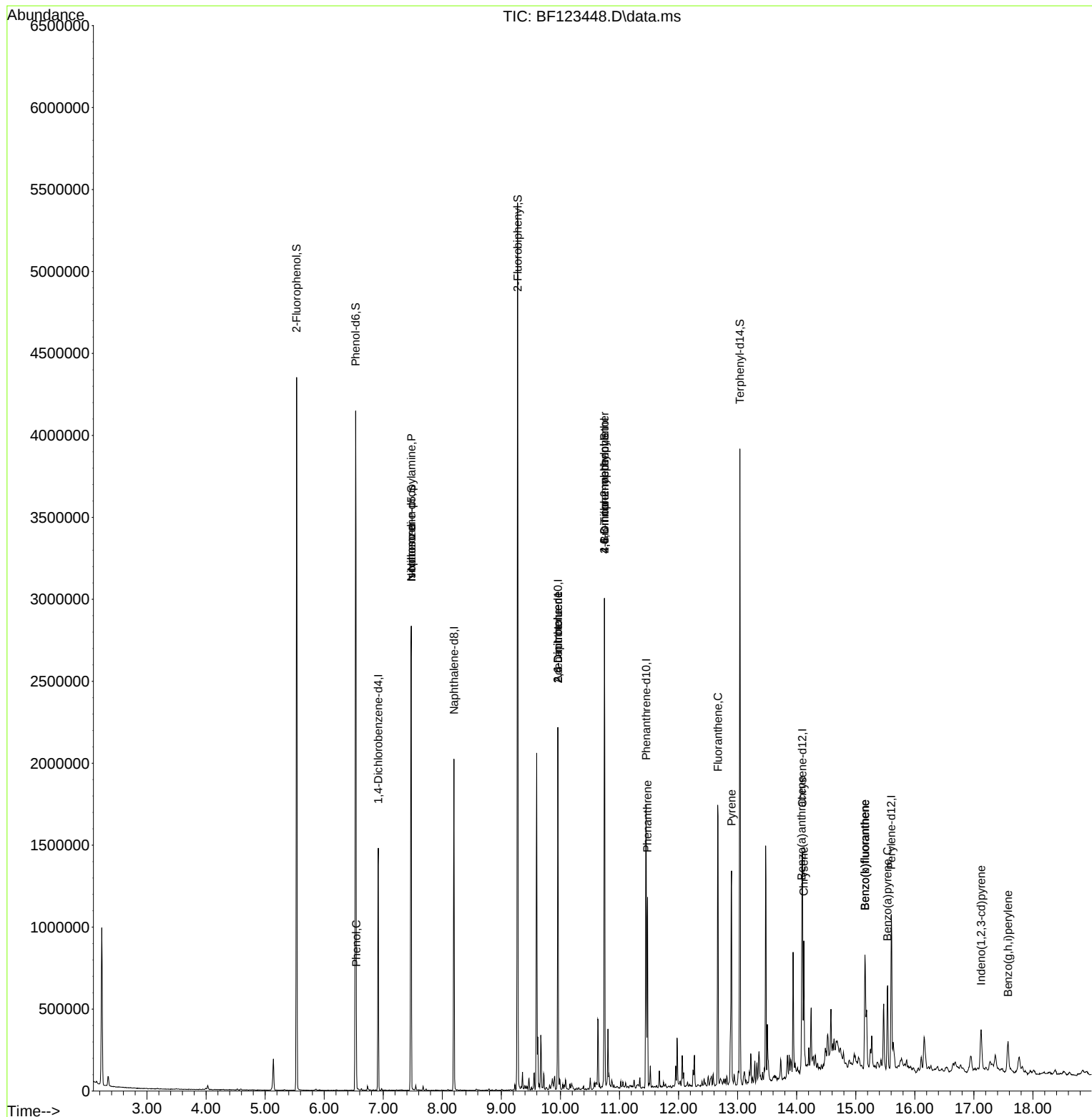
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	212450	20.00	ng	0.00
21) Naphthalene-d8	8.198	136	777411	20.00	ng	# 0.00
39) Acenaphthene-d10	9.957	164	411194	20.00	ng	0.00
64) Phenanthrene-d10	11.451	188	605049	20.00	ng	0.00
76) Chrysene-d12	14.098	240	372127	20.00	ng	-0.01
86) Perylene-d12	15.603	264	444849	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	1009203	77.71	ng	0.00
7) Phenol-d6	6.533	99	1305326	75.51	ng	0.00
23) Nitrobenzene-d5	7.475	82	874861	60.74	ng	0.00
42) 2,4,6-Tribromophenol	10.745	330	329216	71.61	ng	-0.01
45) 2-Fluorobiphenyl	9.274	172	1634435	56.79	ng	0.00
79) Terphenyl-d14	13.039	244	1197514	54.54	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.457	77	409	Below Cal	#	62
10) Phenol	6.545	94	39957	2.25	ng	96
19) n-Nitroso-di-n-propyla...	7.475	70	118654	10.61	ng	# 79
25) Isophorone	7.475	82	866805	27.99	ng	# 65
51) 2,6-Dinitrotoluene	9.957	165	53364	8.75	ng	# 31
57) 2,4-Dinitrotoluene	9.957	165	53364	7.01	ng	# 25
65) 4,6-Dinitro-2-methylph...	10.745	198	604	5.29	ng	# 1
67) 4-Bromophenyl-phenylether	10.745	248	20057	2.80	ng	# 1
71) Phenanthrene	11.474	178	416406	12.45	ng	98
75) Fluoranthene	12.668	202	711970	19.66	ng	95
78) Pyrene	12.898	202	558811	17.41	ng	97
81) Benzo(a)anthracene	14.086	228	242374	9.95	ng	99
83) Chrysene	14.121	228	271342	10.79	ng	98
87) Indeno(1,2,3-cd)pyrene	17.121	276	178530	6.46	ng	# 94
88) Benzo(b)fluoranthene	15.156	252	538454	17.54	ng	99
89) Benzo(k)fluoranthene	15.156	252	538454	18.56	ng	100
90) Benzo(a)pyrene	15.539	252	260394	9.83	ng	97
92) Benzo(g,h,i)perylene	17.580	276	156489	6.66	ng	99

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

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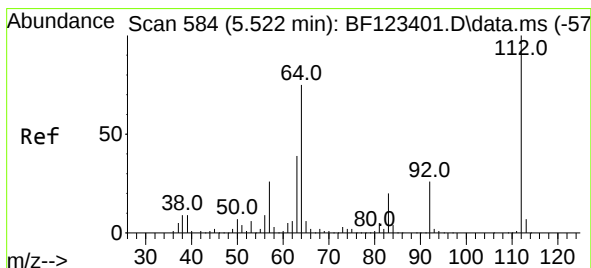
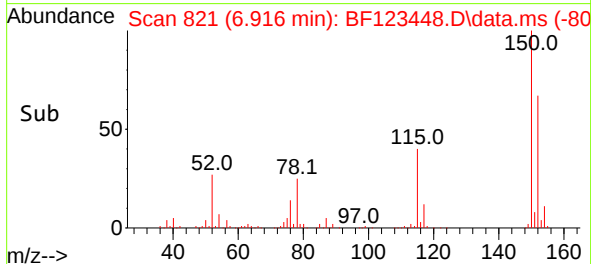
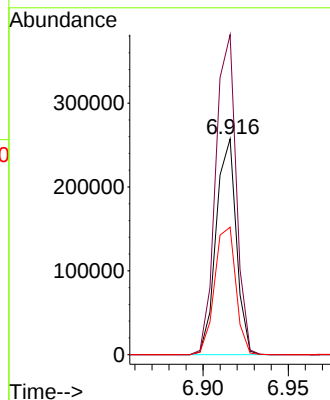
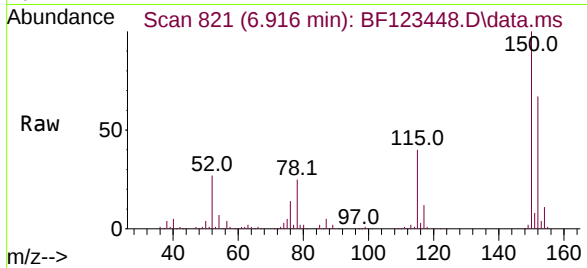




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.916 min Scan# 821
Delta R.T. -0.000 min
Lab File: BF123448.D
Acq: 24 Mar 2021 19:58

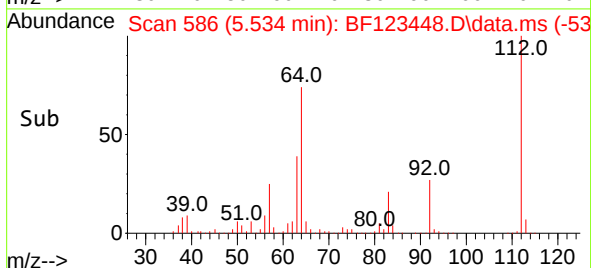
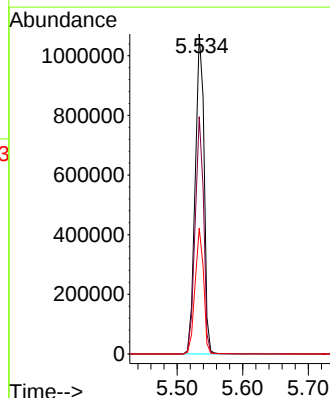
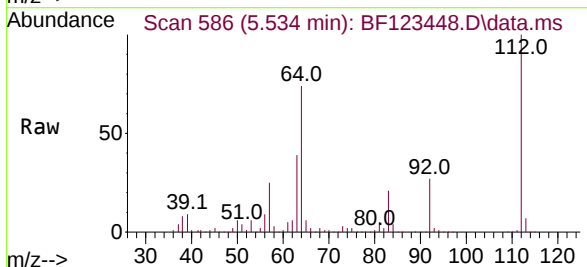
Instrument :
BNA_F
ClientSampleId :
SB-2A-(0.5-1.0)

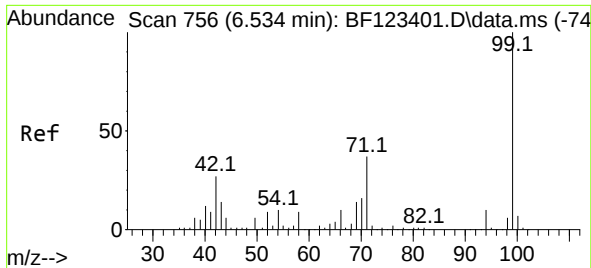
Tgt Ion:152 Resp: 212450
Ion Ratio Lower Upper
152 100
150 148.3 125.8 188.6
115 59.1 49.3 73.9



#5
2-Fluorophenol
Concen: 77.71 ng
RT: 5.534 min Scan# 586
Delta R.T. 0.006 min
Lab File: BF123448.D
Acq: 24 Mar 2021 19:58

Tgt Ion:112 Resp: 1009203
Ion Ratio Lower Upper
112 100
64 74.1 46.9 70.3#
63 39.4 24.5 36.7#

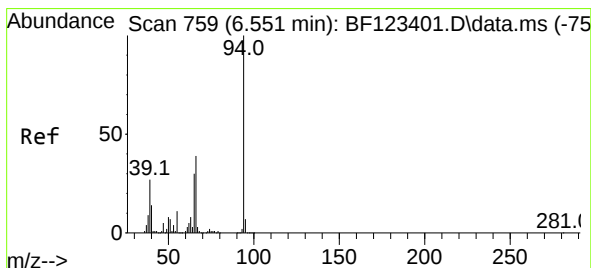
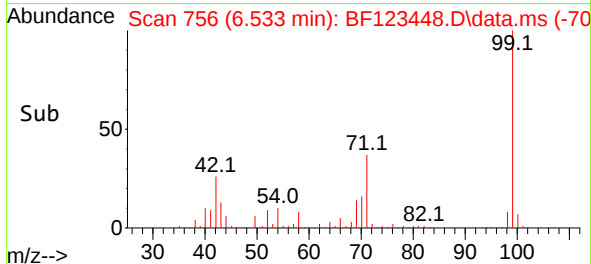
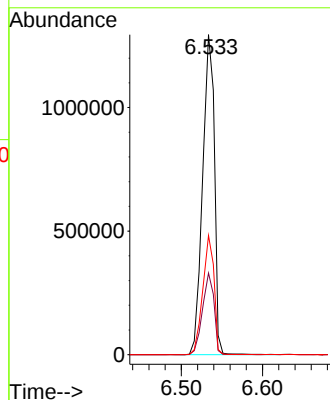
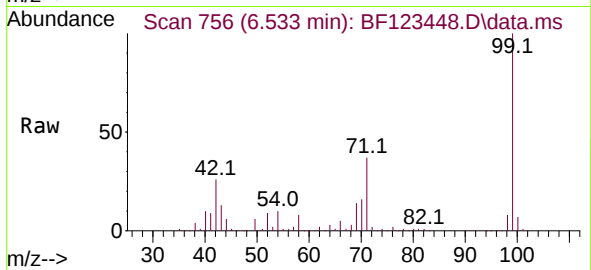




#7
Phenol-d6
Concen: 75.51 ng
RT: 6.533 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF123448.D
Acq: 24 Mar 2021 19:58

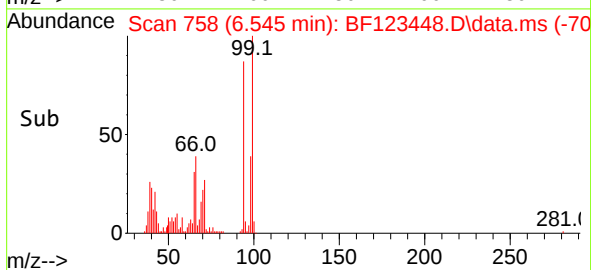
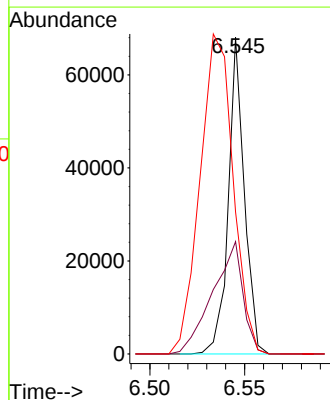
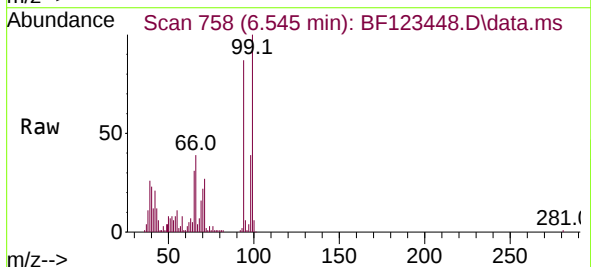
Instrument :
BNA_F
ClientSampled :
SB-2A-(0.5-1.0)

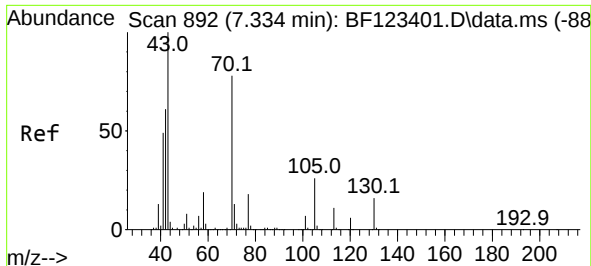
Tgt Ion: 99 Resp: 1305326
Ion Ratio Lower Upper
99 100
42 25.5 13.8 20.6#
71 37.2 26.9 40.3



#10
Phenol
Concen: 2.25 ng
RT: 6.545 min Scan# 758
Delta R.T. -0.006 min
Lab File: BF123448.D
Acq: 24 Mar 2021 19:58

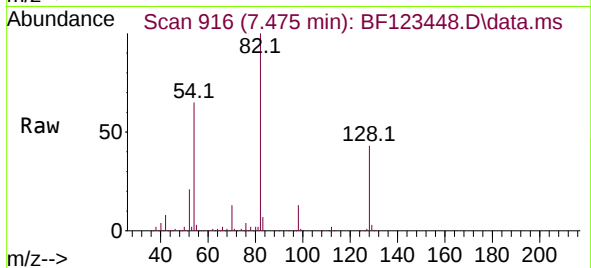
Tgt Ion: 94 Resp: 39957
Ion Ratio Lower Upper
94 100
65 35.5 11.2 51.2
66 44.9 25.8 65.8



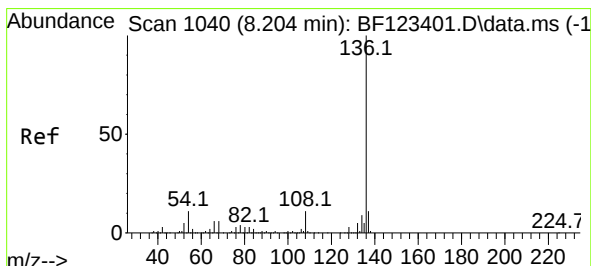
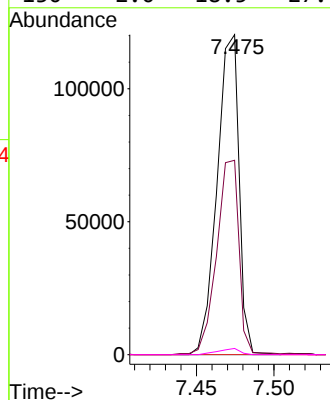
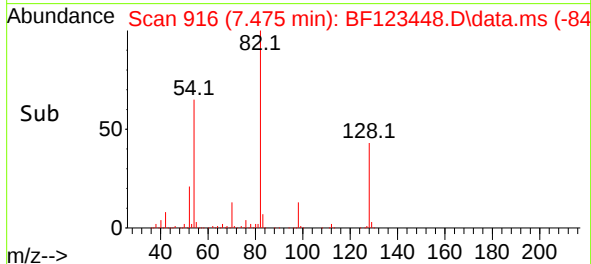


#19
n-Nitroso-di-n-propylamine
Concen: 10.61 ng
RT: 7.475 min Scan# 916
Delta R.T. 0.141 min
Lab File: BF123448.D
Acq: 24 Mar 2021 19:58

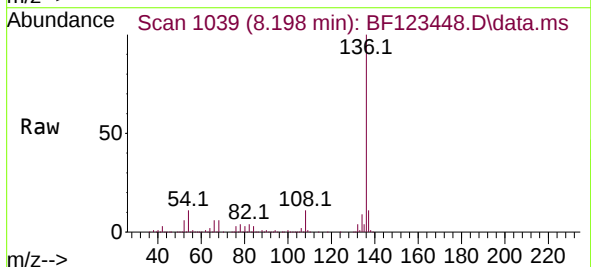
Instrument :
BNA_F
ClientSampleId :
SB-2A-(0.5-1.0)



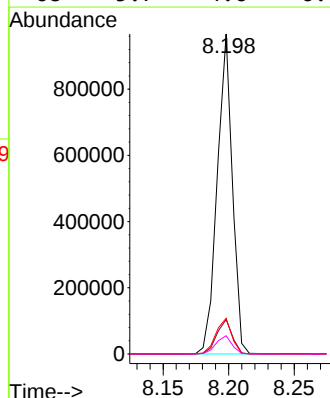
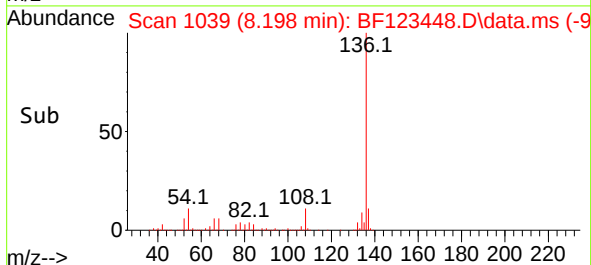
Tgt Ion: 70 Resp: 118654
Ion Ratio Lower Upper
70 100
42 60.8 43.0 64.4
101 0.0 7.9 11.9#
130 2.0 18.5 27.7#

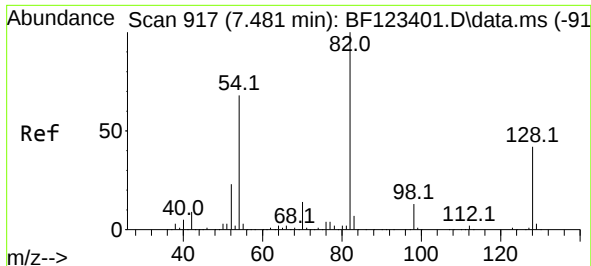


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.198 min Scan# 1039
Delta R.T. -0.000 min
Lab File: BF123448.D
Acq: 24 Mar 2021 19:58



Tgt Ion: 136 Resp: 777411
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 11.1 5.5 8.3#
68 5.7 4.6 6.8

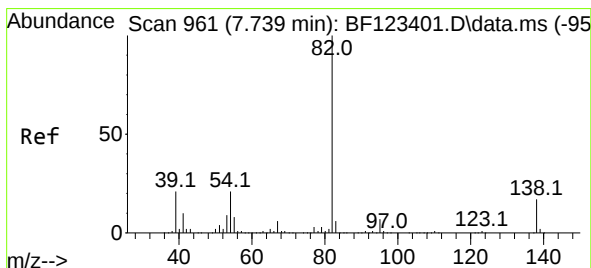
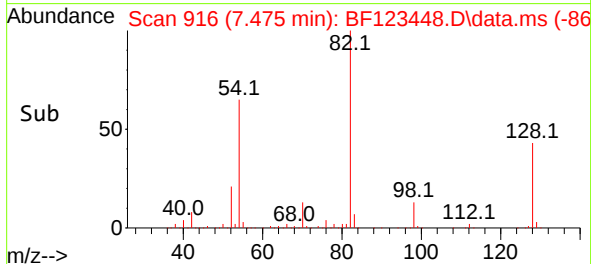
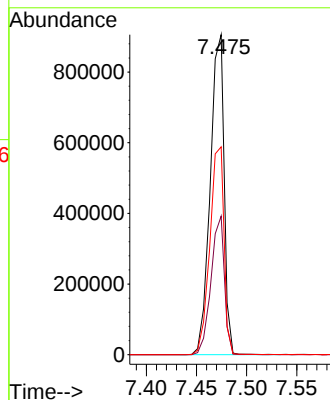
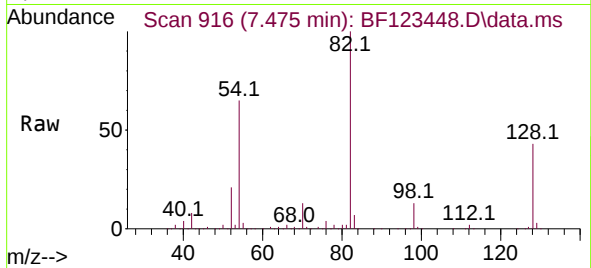




#23
Nitrobenzene-d5
Concen: 60.74 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.006 min
Lab File: BF123448.D
Acq: 24 Mar 2021 19:58

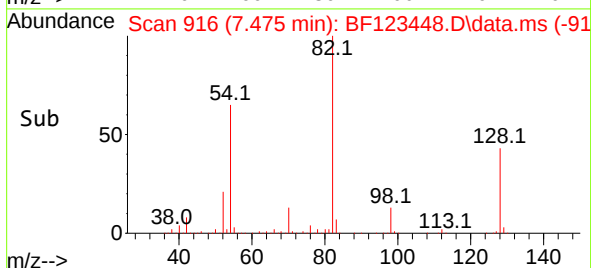
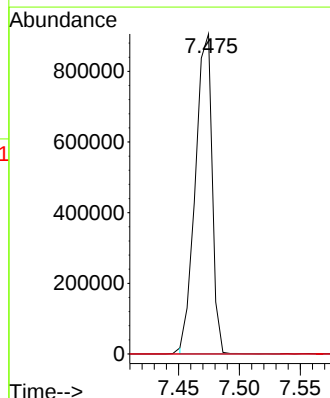
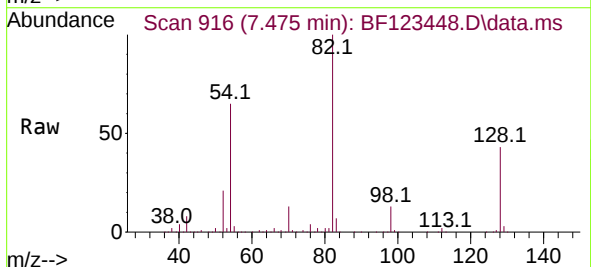
Instrument :
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ClientSampleId :
SB-2A-(0.5-1.0)

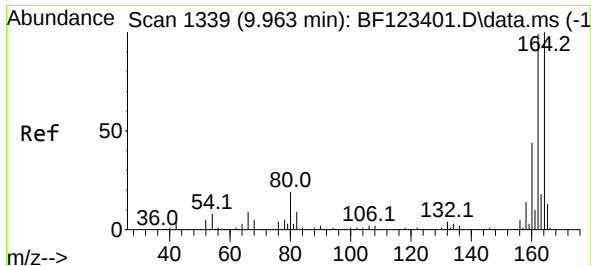
Tgt Ion: 82 Resp: 874861
Ion Ratio Lower Upper
82 100
128 43.3 37.0 55.4
54 65.0 38.4 57.6#



#25
Isophorone
Concen: 27.99 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.265 min
Lab File: BF123448.D
Acq: 24 Mar 2021 19:58

Tgt Ion: 82 Resp: 866805
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.6 21.8#

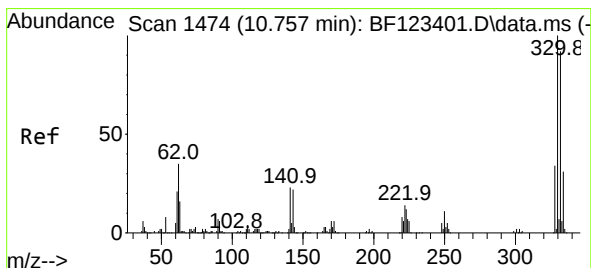
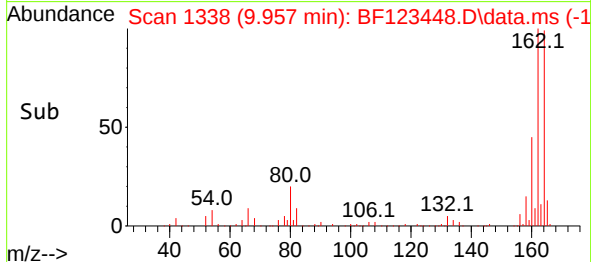
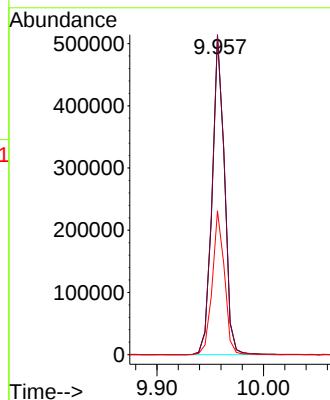
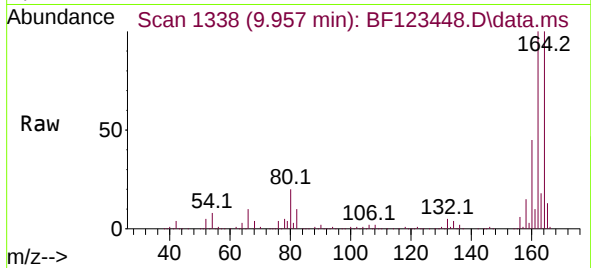




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF123448.D
Acq: 24 Mar 2021 19:58

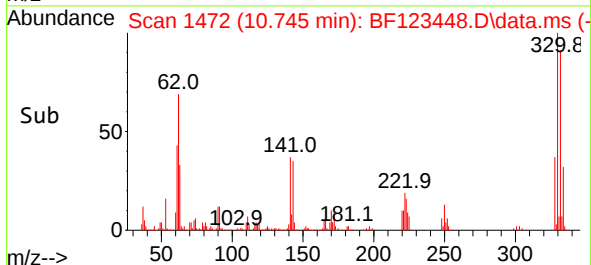
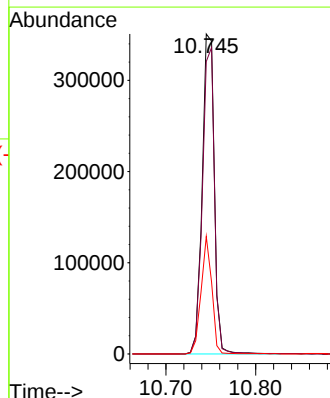
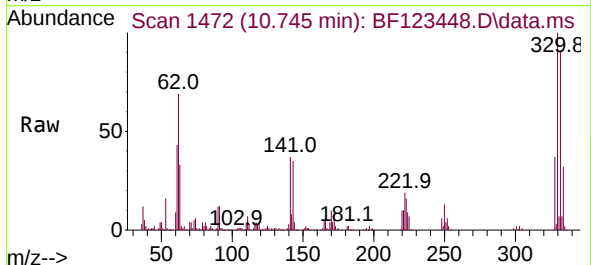
Instrument :
BNA_F
ClientSampleId :
SB-2A-(0.5-1.0)

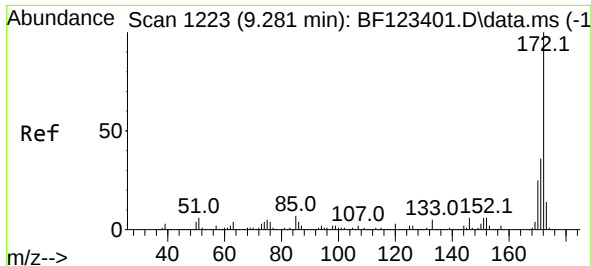
Tgt Ion:164 Resp: 411194
Ion Ratio Lower Upper
164 100
162 100.4 80.8 121.2
160 45.1 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 71.61 ng
RT: 10.745 min Scan# 1472
Delta R.T. -0.012 min
Lab File: BF123448.D
Acq: 24 Mar 2021 19:58

Tgt Ion:330 Resp: 329216
Ion Ratio Lower Upper
330 100
332 94.8 77.5 116.3
141 32.5 23.8 35.8

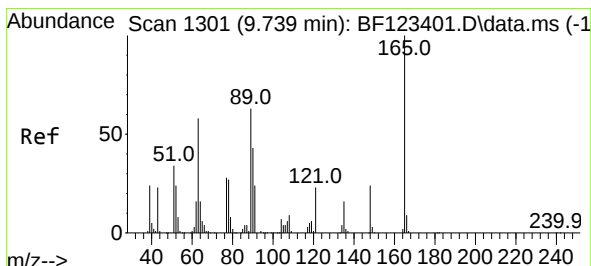
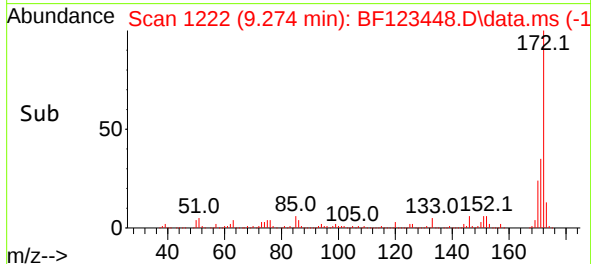
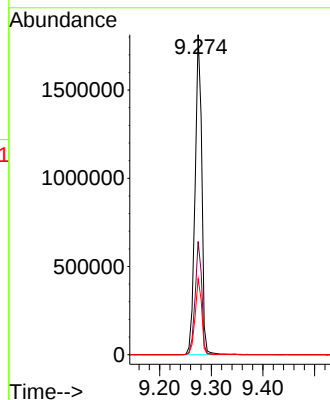
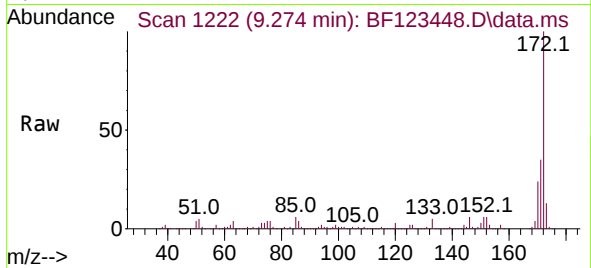




#45
2-Fluorobiphenyl
Concen: 56.79 ng
RT: 9.274 min Scan# 1222
Delta R.T. -0.006 min
Lab File: BF123448.D
Acq: 24 Mar 2021 19:58

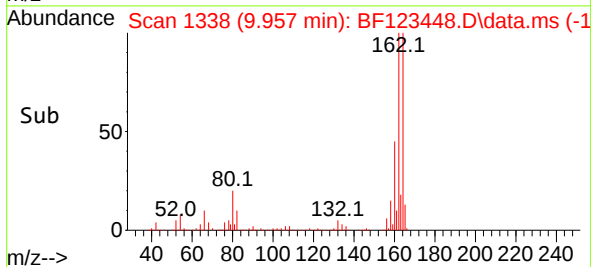
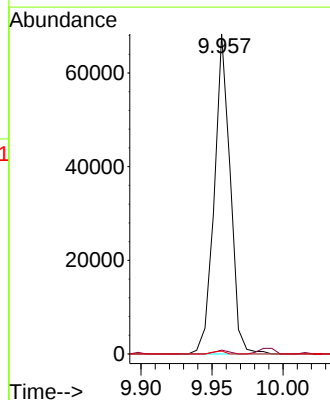
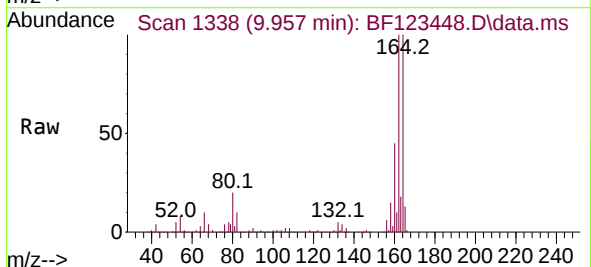
Instrument :
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SB-2A-(0.5-1.0)

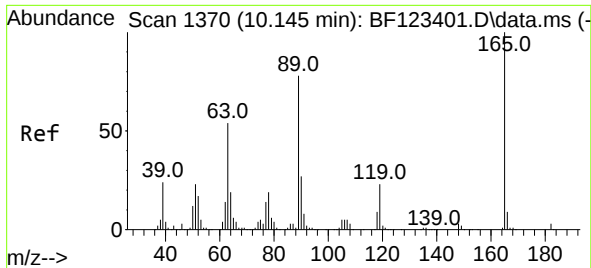
Tgt Ion:172 Resp: 1634435
Ion Ratio Lower Upper
172 100
171 35.3 29.6 44.4
170 23.8 19.5 29.3



#51
2,6-Dinitrotoluene
Concen: 8.75 ng
RT: 9.957 min Scan# 1338
Delta R.T. 0.212 min
Lab File: BF123448.D
Acq: 24 Mar 2021 19:58

Tgt Ion:165 Resp: 53364
Ion Ratio Lower Upper
165 100
63 1.2 36.6 55.0#
89 0.9 39.4 59.0#

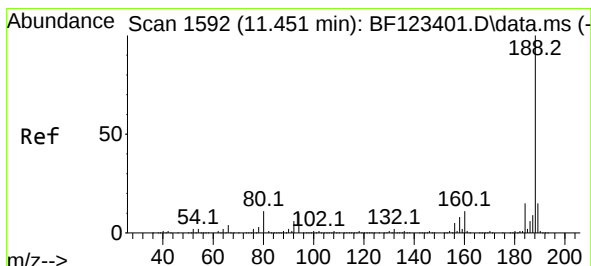
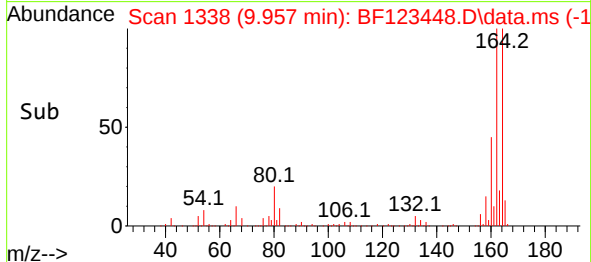
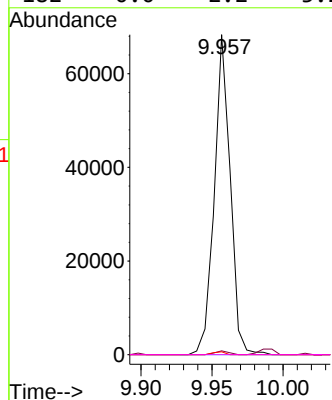
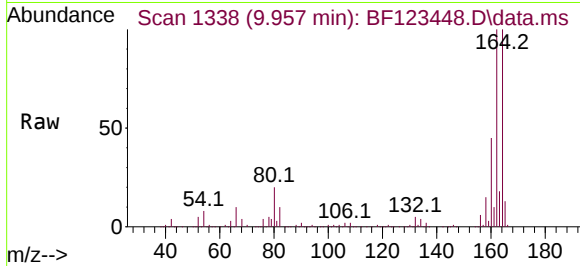




#57
2,4-Dinitrotoluene
Concen: 7.01 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.194 min
Lab File: BF123448.D
Acq: 24 Mar 2021 19:58

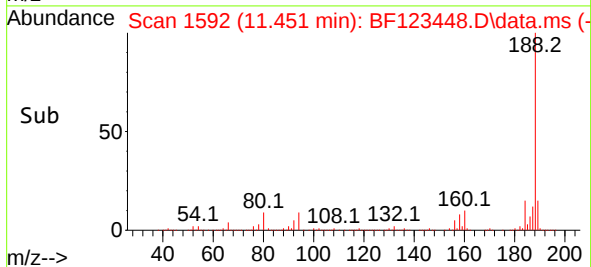
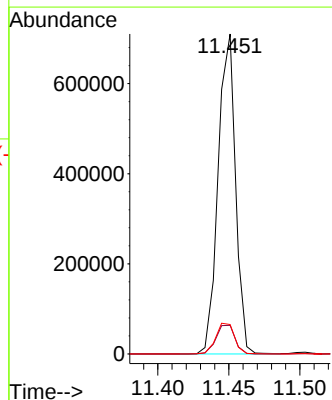
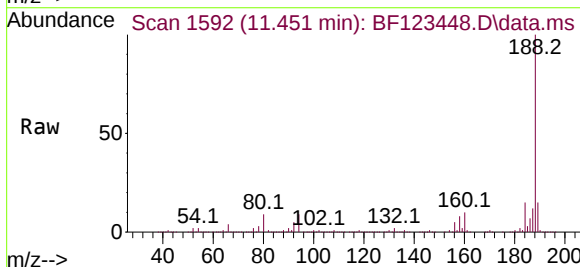
Instrument :
BNA_F
ClientSampleId :
SB-2A-(0.5-1.0)

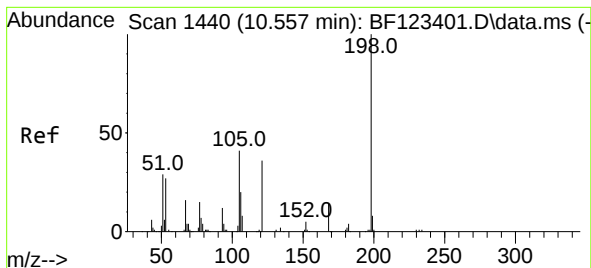
Tgt Ion:165	Resp:	53364
Ion Ratio	Lower	Upper
165	100	
63	1.2	34.3 51.5#
89	0.9	55.2 82.8#
182	0.0	2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.000 min
Lab File: BF123448.D
Acq: 24 Mar 2021 19:58

Tgt Ion:188	Resp:	605049
Ion Ratio	Lower	Upper
188	100	
94	8.9	7.4 11.2
80	9.2	8.2 12.4

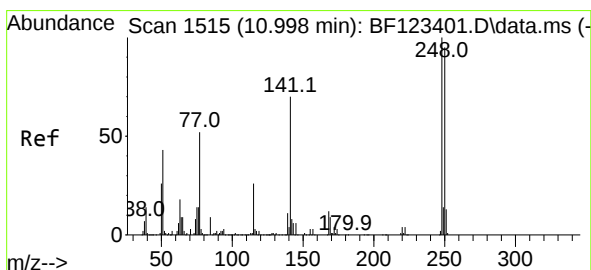
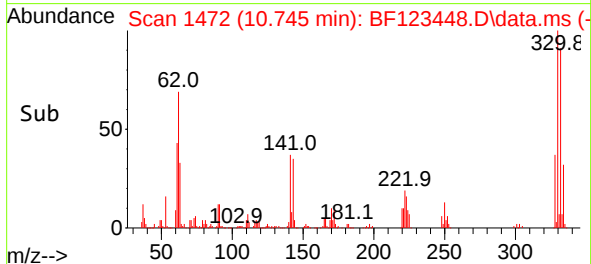
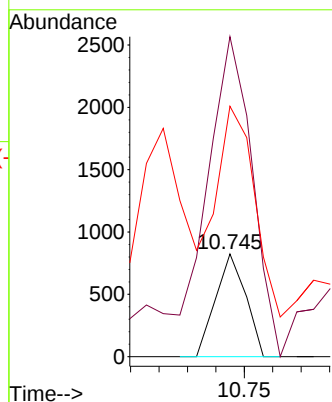
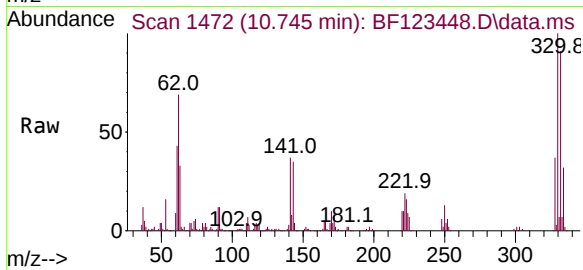




#65
4,6-Dinitro-2-methylphenol
Concen: 5.29 ng
RT: 10.745 min Scan# 1472
Delta R.T. 0.188 min
Lab File: BF123448.D
Acq: 24 Mar 2021 19:58

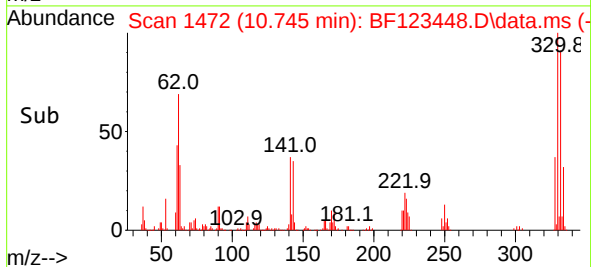
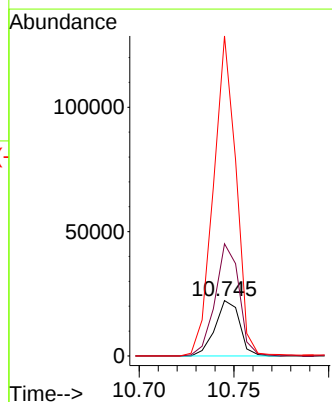
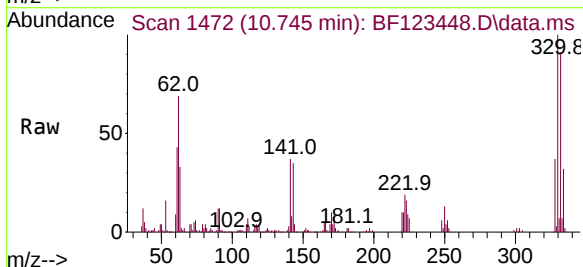
Instrument :
BNA_F
ClientSampleId :
SB-2A-(0.5-1.0)

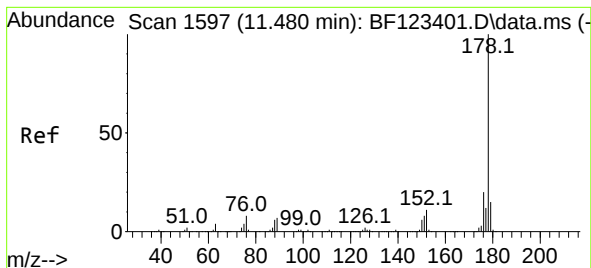
Tgt Ion:198 Resp: 604
Ion Ratio Lower Upper
198 100
51 311.5 20.3 60.3#
105 243.8 23.0 63.0#



#67
4-Bromophenyl-phenylether
Concen: 2.80 ng
RT: 10.745 min Scan# 1472
Delta R.T. -0.253 min
Lab File: BF123448.D
Acq: 24 Mar 2021 19:58

Tgt Ion:248 Resp: 20057
Ion Ratio Lower Upper
248 100
250 202.5 76.8 115.2#
141 577.5 59.8 89.8#

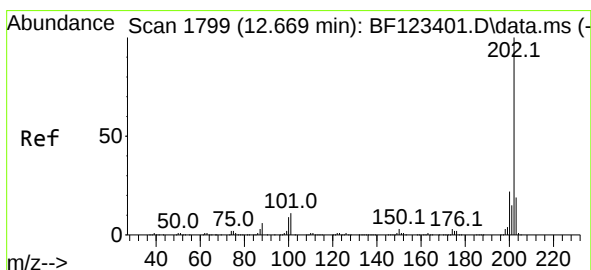
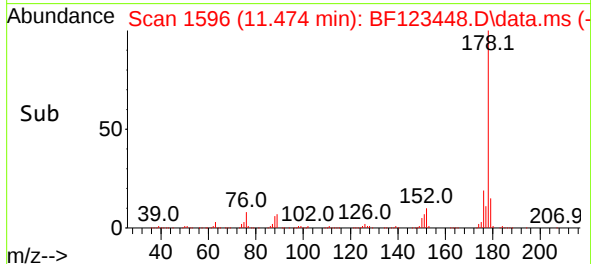
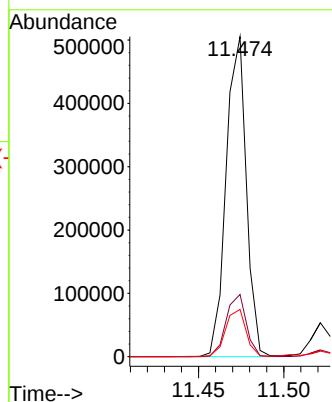
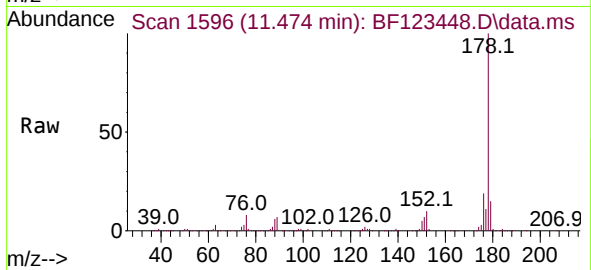




#71
Phenanthrene
Concen: 12.45 ng
RT: 11.474 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BF123448.D
Acq: 24 Mar 2021 19:58

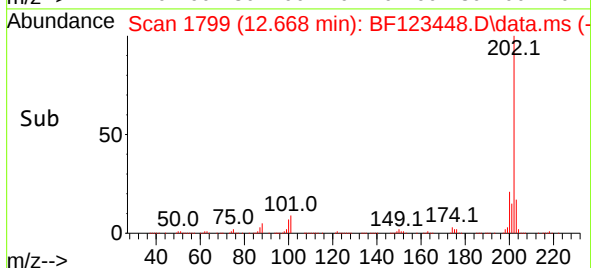
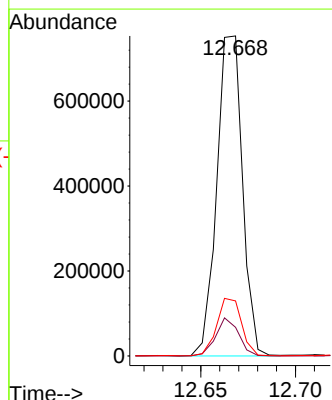
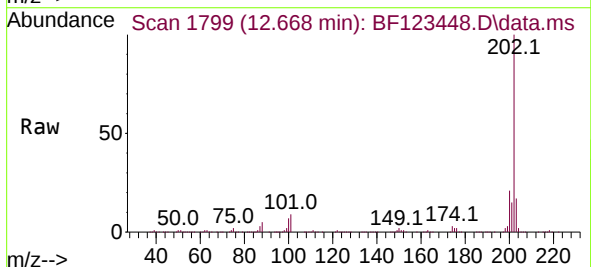
Instrument :
BNA_F
ClientSampleId :
SB-2A-(0.5-1.0)

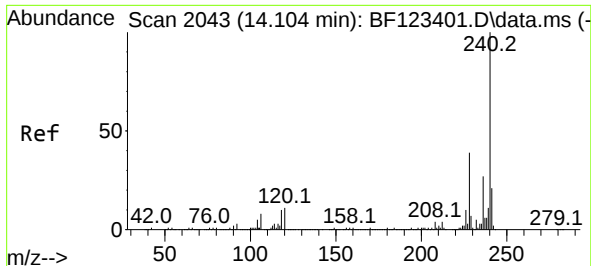
Tgt Ion:178 Resp: 416406
Ion Ratio Lower Upper
178 100
176 19.5 16.2 24.2
179 14.7 12.7 19.1



#75
Fluoranthene
Concen: 19.66 ng
RT: 12.668 min Scan# 1799
Delta R.T. -0.006 min
Lab File: BF123448.D
Acq: 24 Mar 2021 19:58

Tgt Ion:202 Resp: 711970
Ion Ratio Lower Upper
202 100
101 9.0 0.0 32.2
203 17.2 0.0 38.1

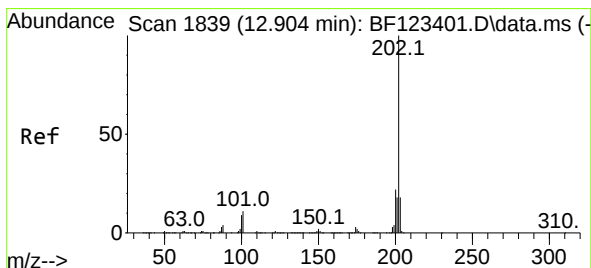
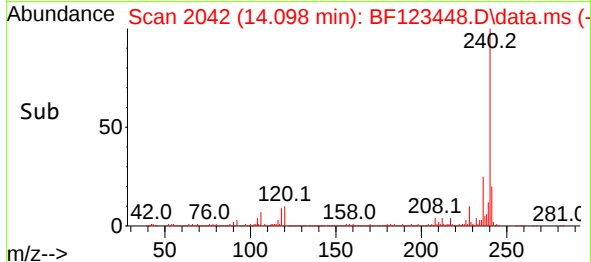
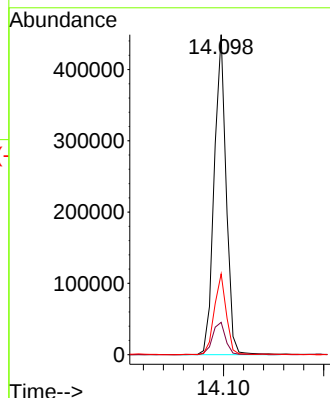
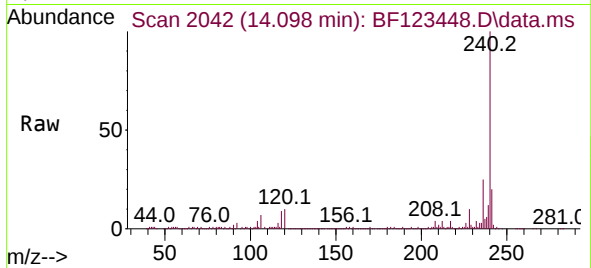




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.098 min Scan# 2042
Delta R.T. -0.012 min
Lab File: BF123448.D
Acq: 24 Mar 2021 19:58

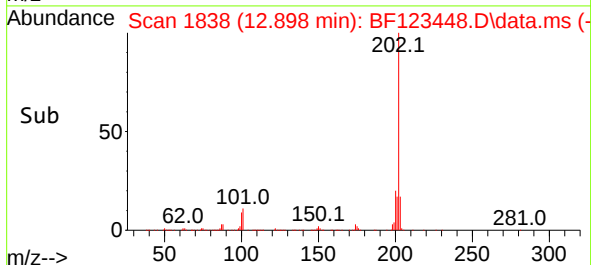
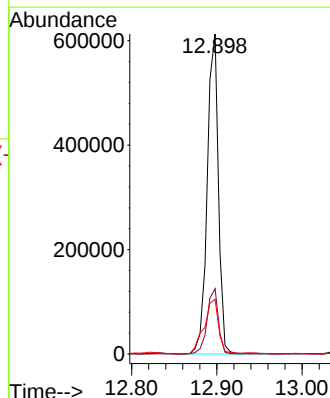
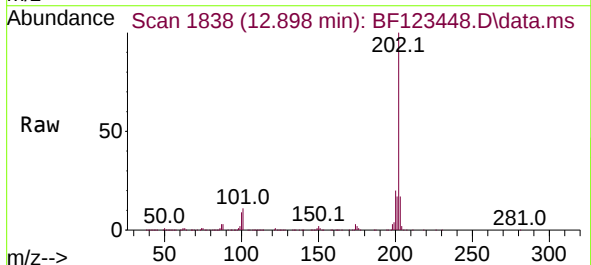
Instrument :
BNA_F
ClientSampleId :
SB-2A-(0.5-1.0)

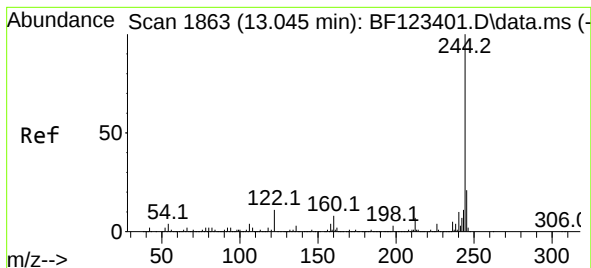
Tgt Ion:240 Resp: 372127
Ion Ratio Lower Upper
240 100
120 10.1 8.6 12.8
236 25.2 20.3 30.5



#78
Pyrene
Concen: 17.41 ng
RT: 12.898 min Scan# 1838
Delta R.T. -0.006 min
Lab File: BF123448.D
Acq: 24 Mar 2021 19:58

Tgt Ion:202 Resp: 558811
Ion Ratio Lower Upper
202 100
200 20.4 17.6 26.4
203 17.0 14.6 21.8





#79

Terphenyl-d14

Concen: 54.54 ng

RT: 13.039 min Scan# 1862

Delta R.T. -0.012 min

Lab File: BF123448.D

Acq: 24 Mar 2021 19:58

Tgt Ion:244 Resp: 1197514

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

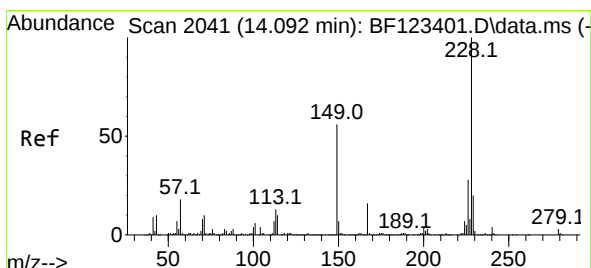
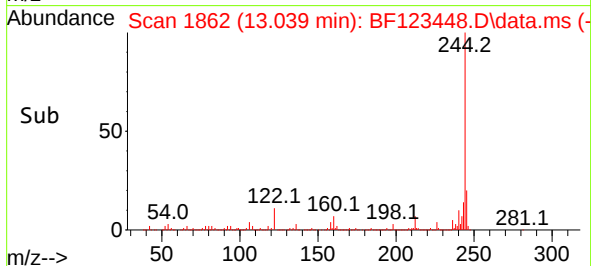
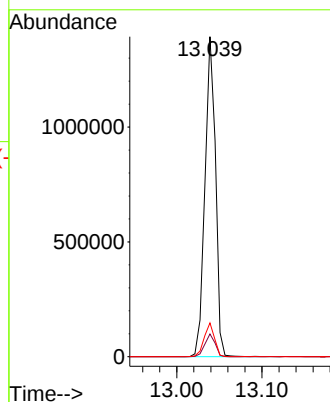
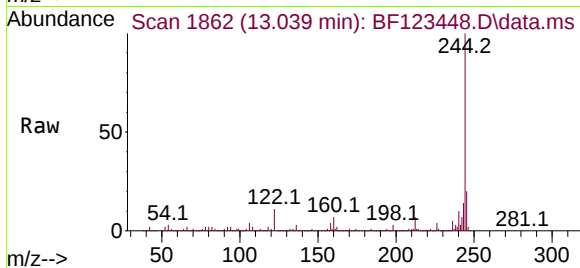
122 10.5 8.3 12.5

Instrument :

BNA_F

ClientSampleId :

SB-2A-(0.5-1.0)



#81

Benzo(a)anthracene

Concen: 9.95 ng

RT: 14.086 min Scan# 2040

Delta R.T. -0.012 min

Lab File: BF123448.D

Acq: 24 Mar 2021 19:58

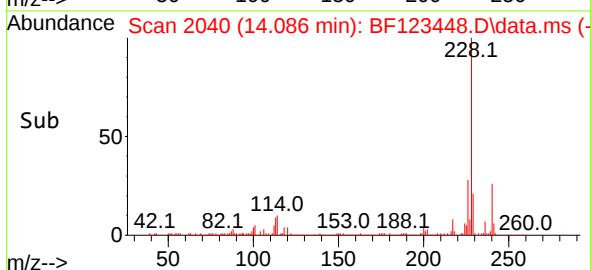
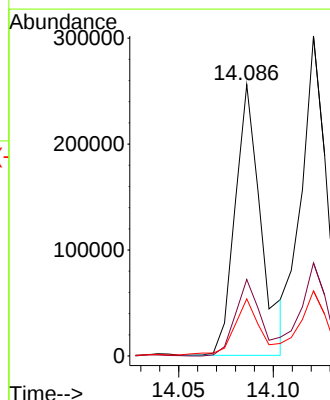
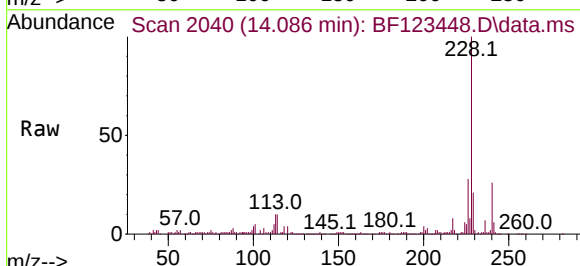
Tgt Ion:228 Resp: 242374

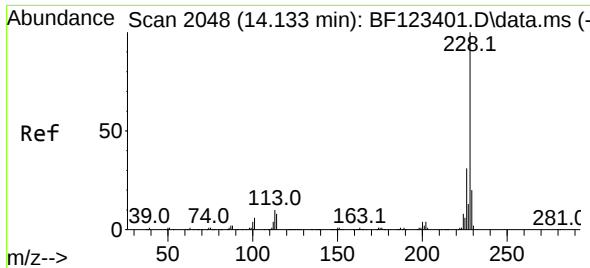
Ion Ratio Lower Upper

228 100

226 28.2 23.0 34.4

229 21.1 16.6 24.8

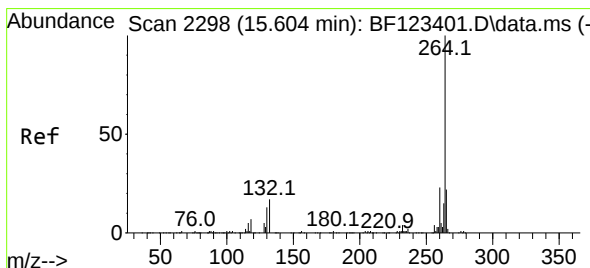
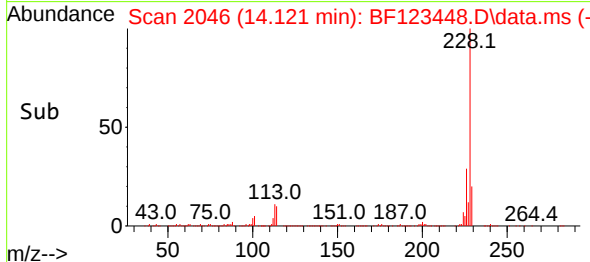
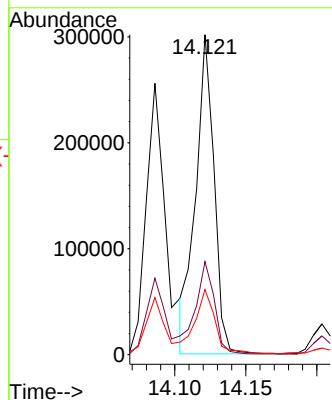
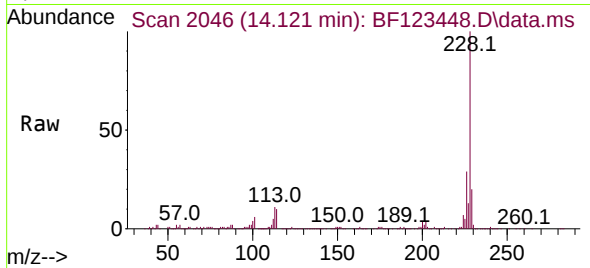




#83
Chrysene
Concen: 10.79 ng
RT: 14.121 min Scan# 2046
Delta R.T. -0.012 min
Lab File: BF123448.D
Acq: 24 Mar 2021 19:58

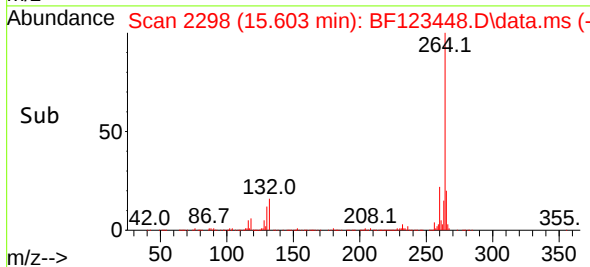
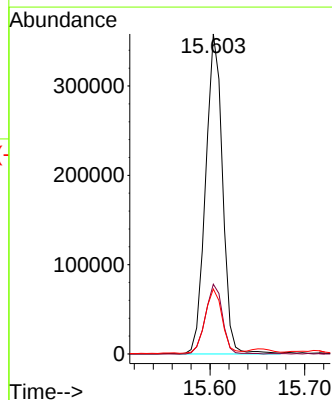
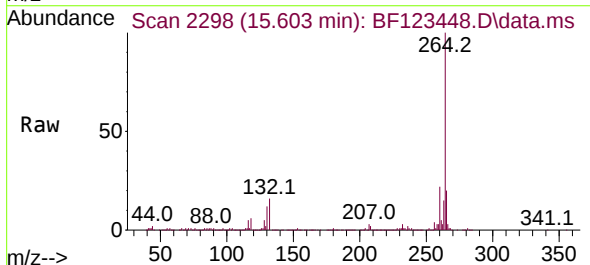
Instrument :
BNA_F
ClientSampleId :
SB-2A-(0.5-1.0)

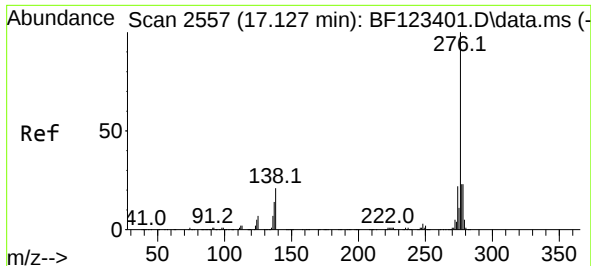
Tgt Ion:	228	Resp:	271342
Ion Ratio	Lower	Upper	
228	100		
226	29.1	24.6	36.8
229	20.4	15.8	23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.603 min Scan# 2298
Delta R.T. -0.006 min
Lab File: BF123448.D
Acq: 24 Mar 2021 19:58

Tgt Ion:	264	Resp:	444849
Ion Ratio	Lower	Upper	
264	100		
260	21.8	18.6	28.0
265	20.3	17.0	25.6

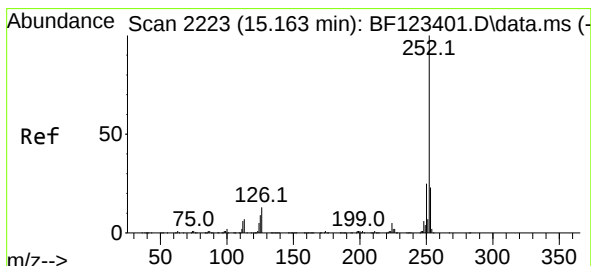
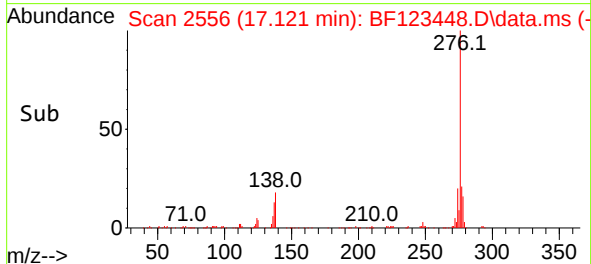
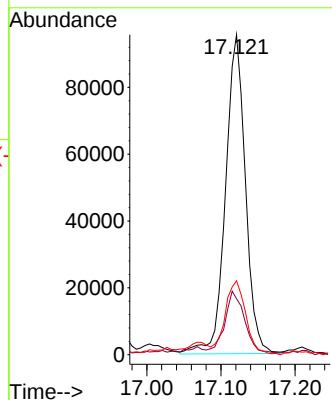
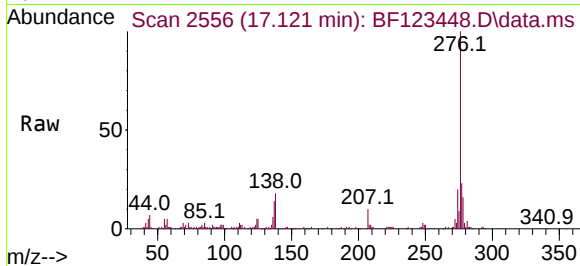




#87
Indeno(1,2,3-cd)pyrene
Concen: 6.46 ng
RT: 17.121 min Scan# 2556
Delta R.T. -0.012 min
Lab File: BF123448.D
Acq: 24 Mar 2021 19:58

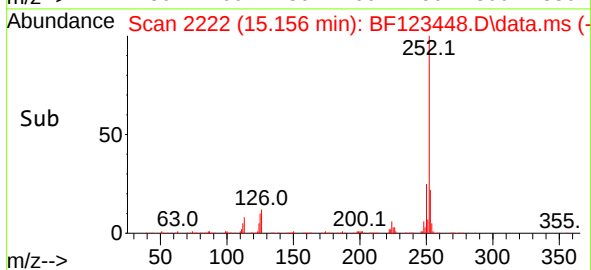
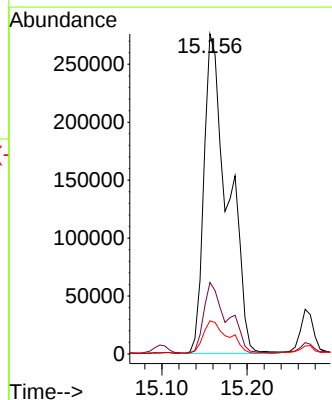
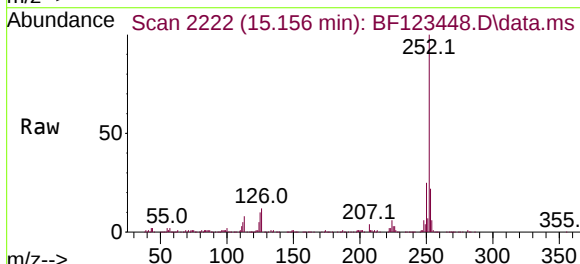
Instrument :
BNA_F
ClientSampleId :
SB-2A-(0.5-1.0)

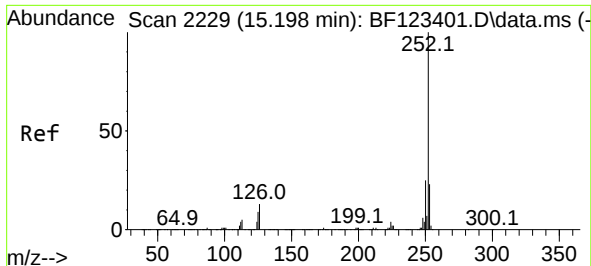
Tgt Ion:276 Resp: 178530
Ion Ratio Lower Upper
276 100
138 18.7 18.7 28.1#
277 24.1 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 17.54 ng
RT: 15.156 min Scan# 2222
Delta R.T. -0.012 min
Lab File: BF123448.D
Acq: 24 Mar 2021 19:58

Tgt Ion:252 Resp: 538454
Ion Ratio Lower Upper
252 100
253 22.4 18.3 27.5
125 10.4 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 18.56 ng

RT: 15.156 min Scan# 2222

Delta R.T. -0.041 min

Lab File: BF123448.D

Acq: 24 Mar 2021 19:58

Tgt Ion:252 Resp: 538454

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.8

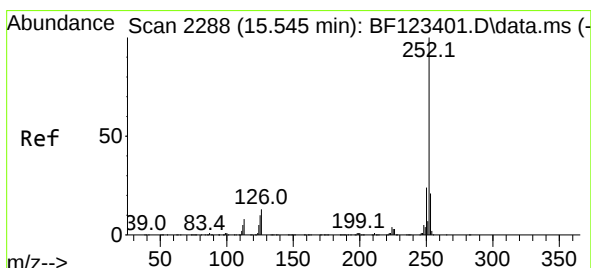
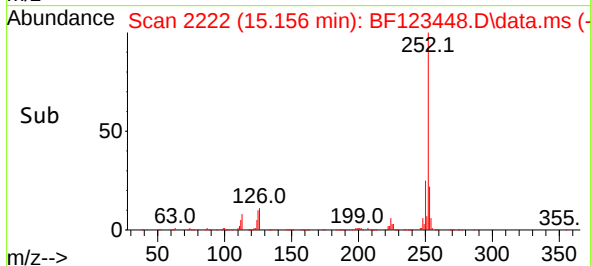
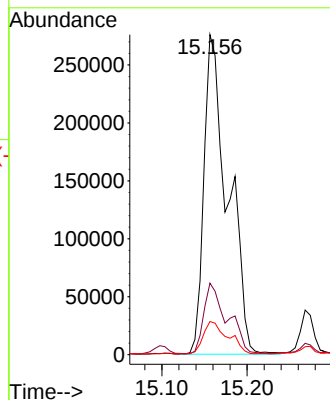
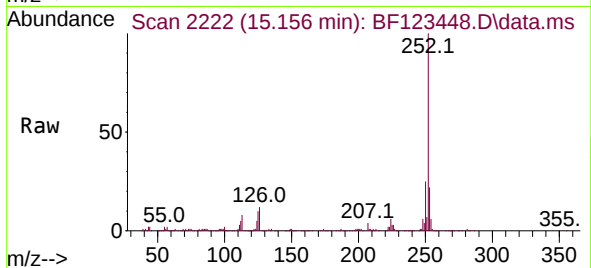
125 10.4 8.4 12.6

Instrument :

BNA_F

ClientSampleId :

SB-2A-(0.5-1.0)



#90

Benzo(a)pyrene

Concen: 9.83 ng

RT: 15.539 min Scan# 2287

Delta R.T. -0.006 min

Lab File: BF123448.D

Acq: 24 Mar 2021 19:58

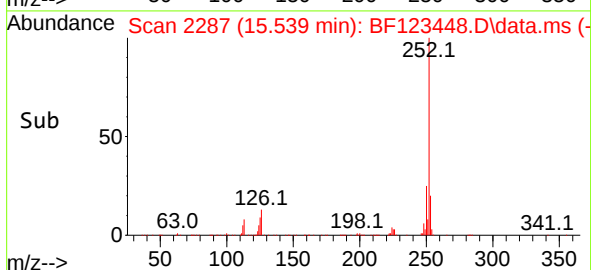
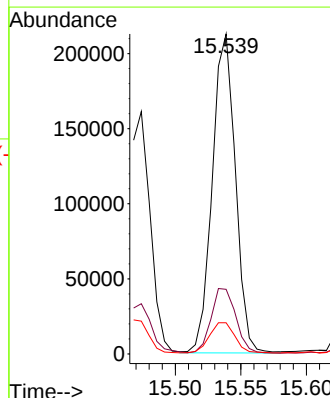
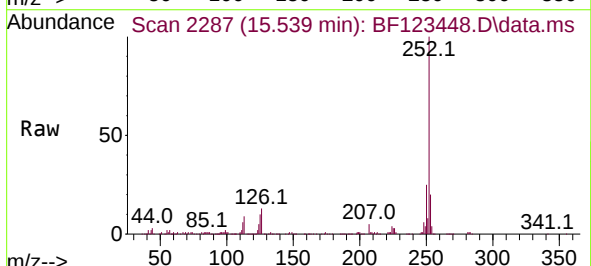
Tgt Ion:252 Resp: 260394

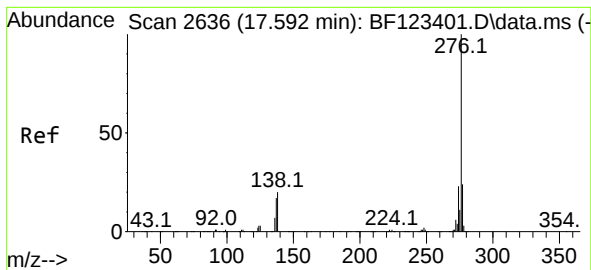
Ion Ratio Lower Upper

252 100

253 20.2 17.5 26.3

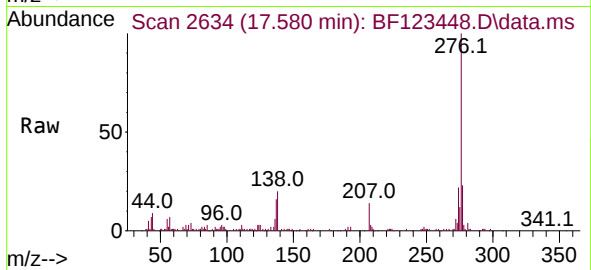
125 9.7 8.6 12.8





#92
 Benzo(g,h,i)perylene
 Concen: 6.66 ng
 RT: 17.580 min Scan# 2634
 Delta R.T. -0.018 min
 Lab File: BF123448.D
 Acq: 24 Mar 2021 19:58

Instrument :
 BNA_F
 ClientSampleId :
 SB-2A-(0.5-1.0)



Tgt Ion:276	Resp:	156489
Ion	Ratio	Lower Upper
276	100	
277	23.3	19.3 28.9
138	20.1	16.6 24.8

