

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030221\
 Data File : BF123351.D
 Acq On : 2 Mar 2021 23:05
 Operator : JU/CG
 Sample : M1525-01 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-030121

Quant Time: Mar 02 23:53:59 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF021921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 19 16:08:53 2021
 Response via : Initial Calibration

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

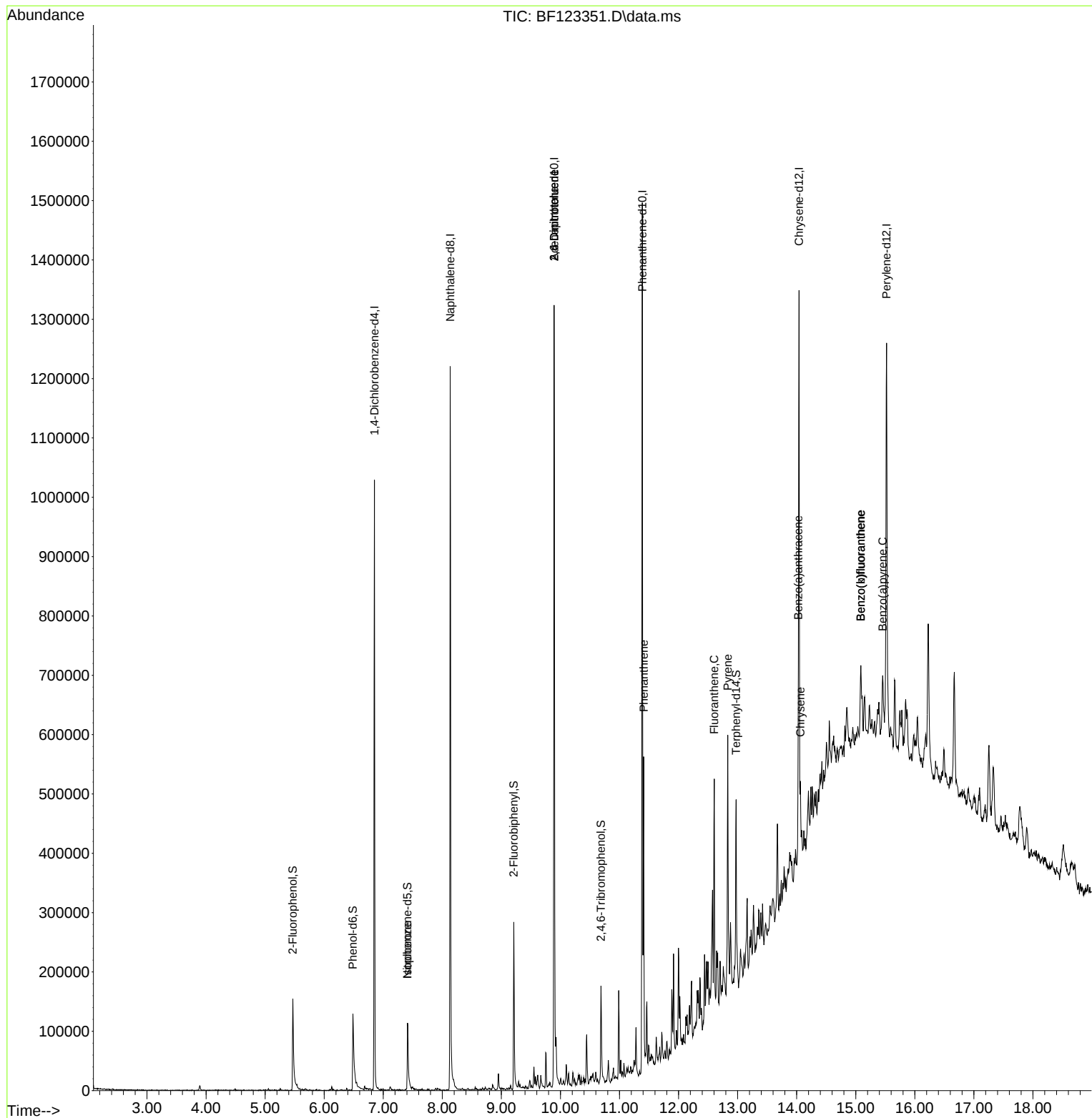
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	130926	20.00	ng	0.00
21) Naphthalene-d8	8.134	136	538802	20.00	ng	#-0.01
39) Acenaphthene-d10	9.892	164	276942	20.00	ng	-0.01
64) Phenanthrene-d10	11.386	188	479111	20.00	ng	0.00
76) Chrysene-d12	14.039	240	295820	20.00	ng	0.00
86) Perylene-d12	15.521	264	289766	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	63535	6.99	ng	0.00
7) Phenol-d6	6.487	99	81918	6.63	ng	0.00
23) Nitrobenzene-d5	7.410	82	54312	4.61	ng	-0.02
42) 2,4,6-Tribromophenol	10.686	330	17343	6.15	ng	-0.01
45) 2-Fluorobiphenyl	9.210	172	90212	4.68	ng	-0.01
79) Terphenyl-d14	12.974	244	81705	5.31	ng	-0.01
Target Compounds						
						Qvalue
9) Benzaldehyde	6.551	77	141	Below Cal	#	1
25) Isophorone	7.410	82	54311	2.47	ng	# 65
51) 2,6-Dinitrotoluene	9.892	165	35362	7.41	ng	# 32
57) 2,4-Dinitrotoluene	9.892	165	36156	5.63	ng	# 26
71) Phenanthrene	11.410	178	171247	6.04	ng	99
75) Fluoranthene	12.604	202	138347	4.61	ng	99
78) Pyrene	12.833	202	151779	6.57	ng	99
81) Benzo(a)anthracene	14.027	228	41286	2.05	ng	# 90
83) Chrysene	14.063	228	48727	2.47	ng	# 95
88) Benzo(b)fluoranthene	15.086	252	52322	2.57	ng	# 76
89) Benzo(k)fluoranthene	15.086	252	52322	2.84	ng	# 75
90) Benzo(a)pyrene	15.457	252	36418	2.01	ng	# 79

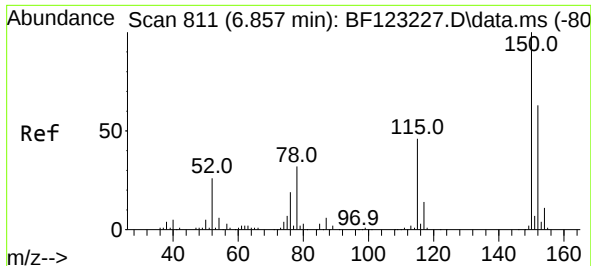
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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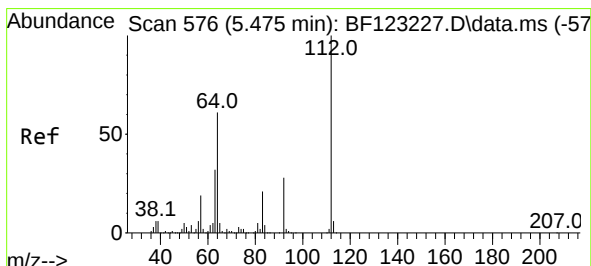
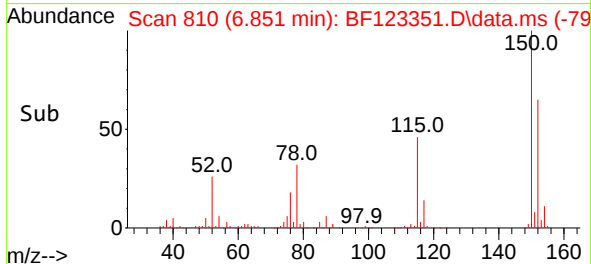
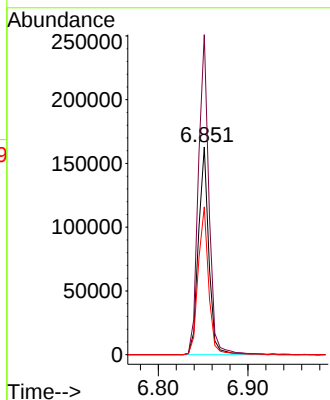
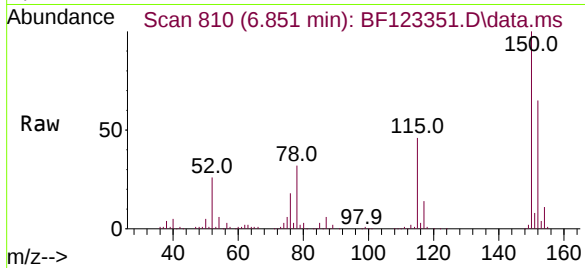




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.851 min Scan# 810
Delta R.T. -0.006 min
Lab File: BF123351.D
Acq: 2 Mar 2021 23:05

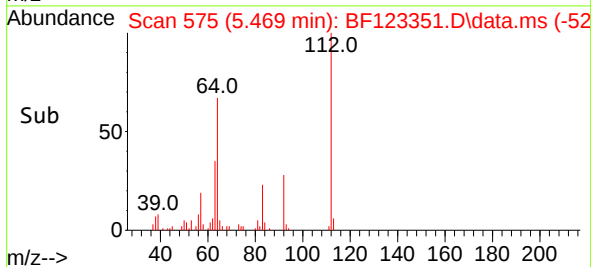
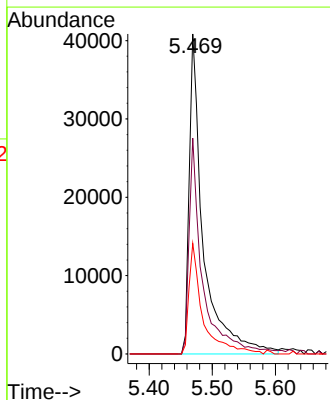
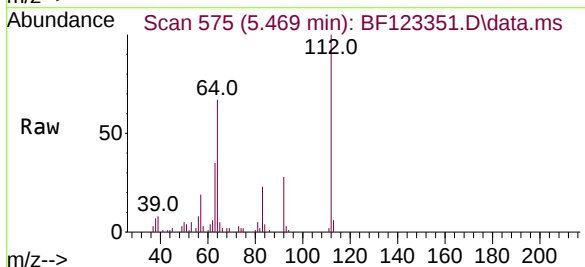
Instrument :
BNA_F
ClientSampleId :
OK-01-030121

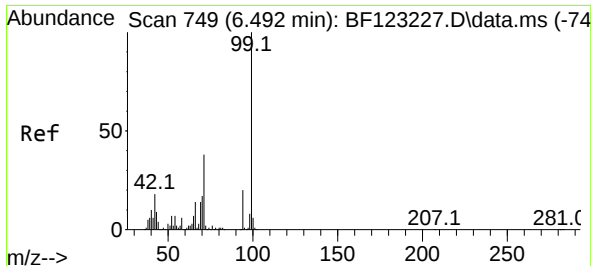
Tgt Ion:152 Resp: 130926
Ion Ratio Lower Upper
152 100
150 154.0 125.8 188.6
115 71.2 49.3 73.9



#5
2-Fluorophenol
Concen: 6.99 ng
RT: 5.469 min Scan# 575
Delta R.T. -0.006 min
Lab File: BF123351.D
Acq: 2 Mar 2021 23:05

Tgt Ion:112 Resp: 63535
Ion Ratio Lower Upper
112 100
64 67.5 46.9 70.3
63 34.5 24.5 36.7

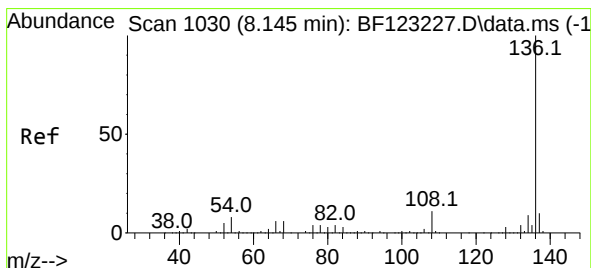
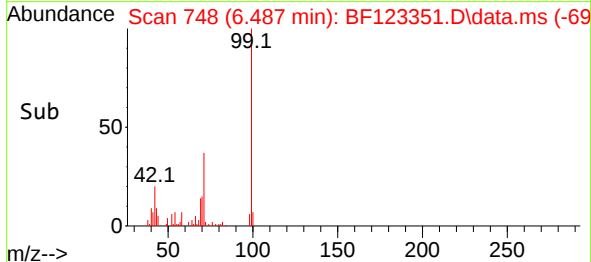
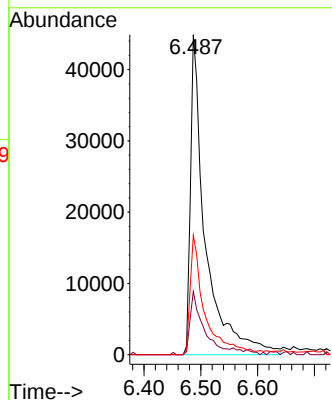
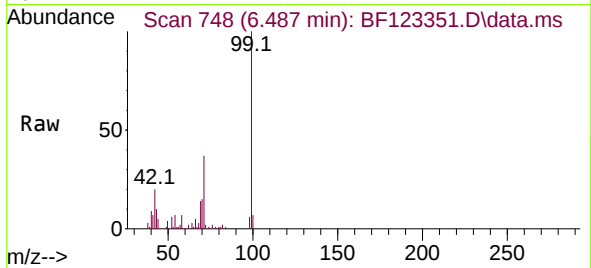




#7
Phenol-d6
Concen: 6.63 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF123351.D
Acq: 2 Mar 2021 23:05

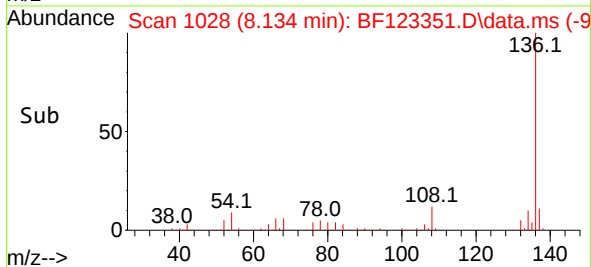
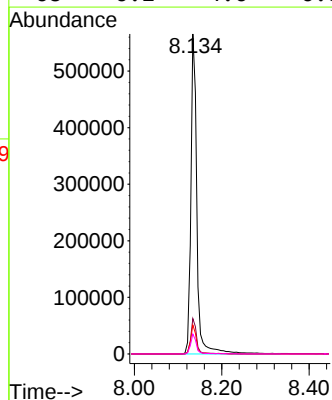
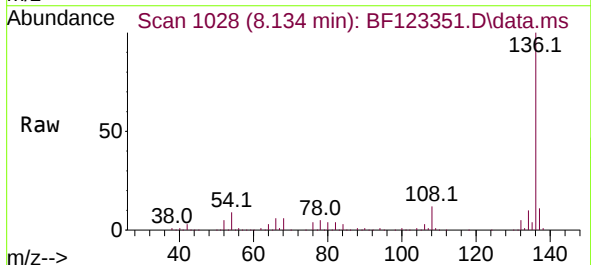
Instrument :
BNA_F
ClientSampleId :
OK-01-030121

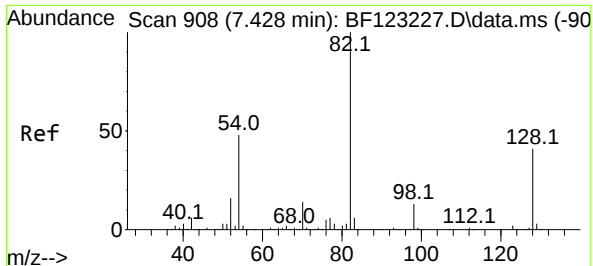
Tgt Ion: 99 Resp: 81918
Ion Ratio Lower Upper
99 100
42 19.8 13.8 20.6
71 37.4 26.9 40.3



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.134 min Scan# 1028
Delta R.T. -0.012 min
Lab File: BF123351.D
Acq: 2 Mar 2021 23:05

Tgt Ion: 136 Resp: 538802
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 9.1 5.5 8.3#
68 6.2 4.6 6.8





#23

Nitrobenzene-d5

Concen: 4.61 ng

RT: 7.410 min Scan# 905

Delta R.T. -0.018 min

Lab File: BF123351.D

Acq: 2 Mar 2021 23:05

Tgt Ion: 82 Resp: 54312

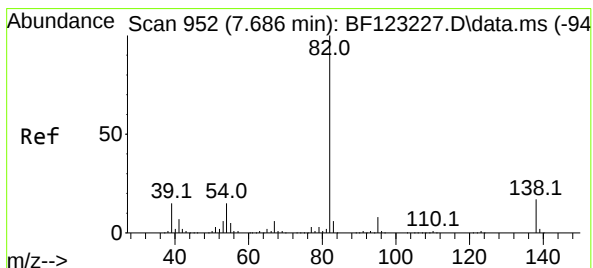
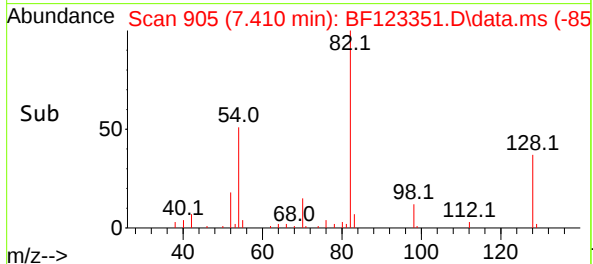
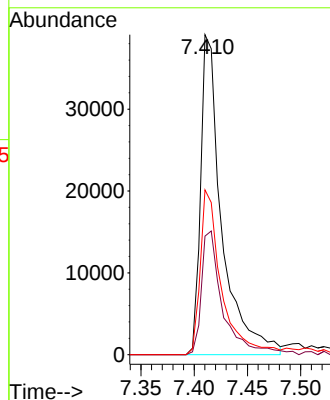
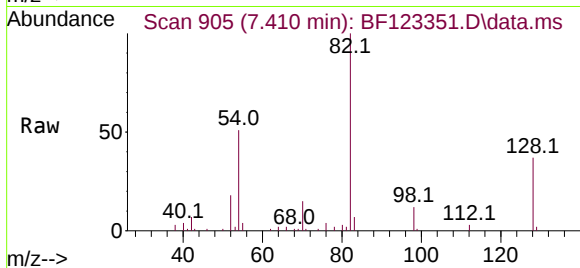
Ion	Ratio	Lower	Upper
82	100		
128	37.0	37.0	55.4
54	51.5	38.4	57.6

Instrument :

BNA_F

ClientSampleId :

OK-01-030121



#25

Isophorone

Concen: 2.47 ng

RT: 7.410 min Scan# 905

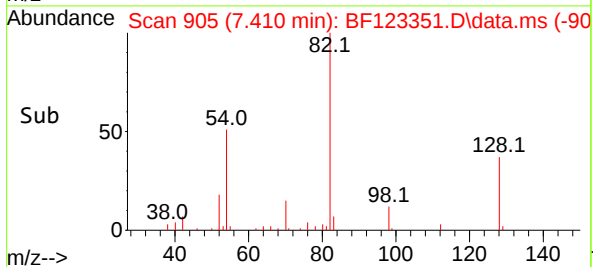
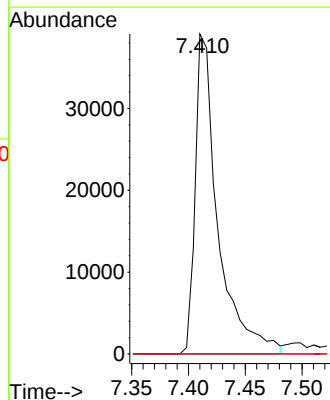
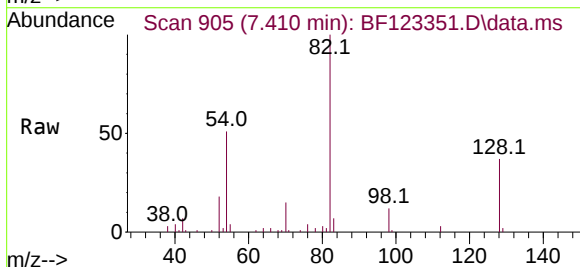
Delta R.T. -0.276 min

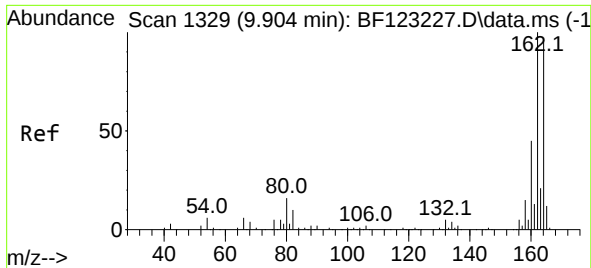
Lab File: BF123351.D

Acq: 2 Mar 2021 23:05

Tgt Ion: 82 Resp: 54311

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.8	8.6#
138	0.0	14.6	21.8#

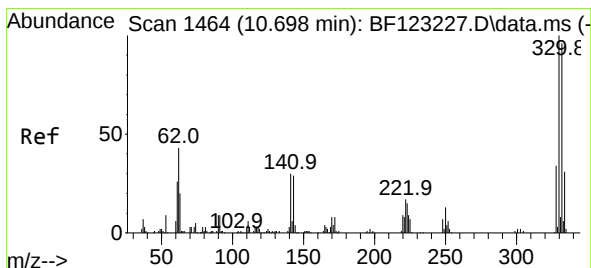
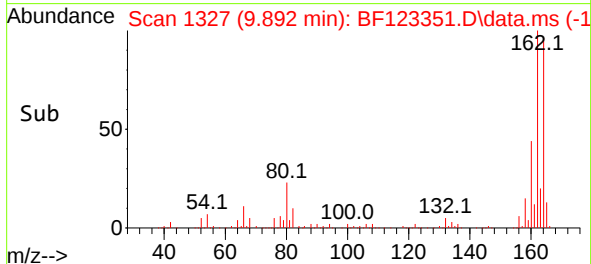
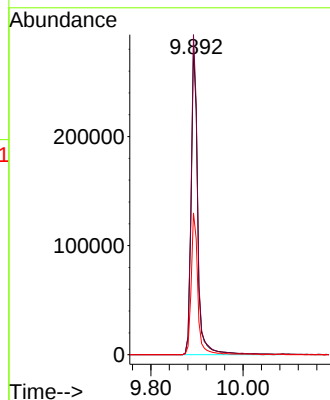
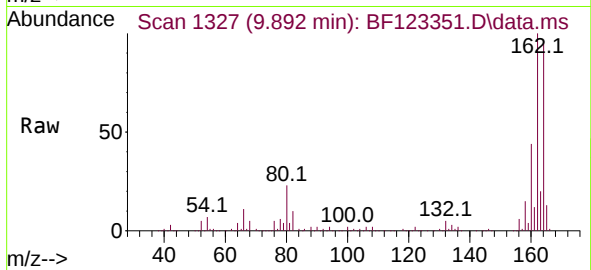




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.012 min
Lab File: BF123351.D
Acq: 2 Mar 2021 23:05

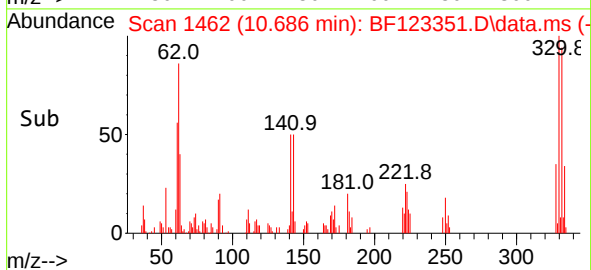
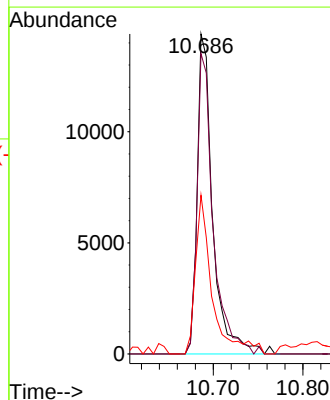
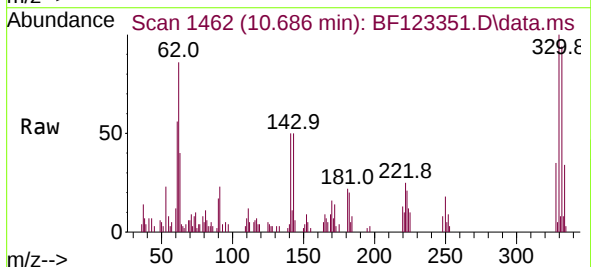
Instrument :
BNA_F
ClientSampleId :
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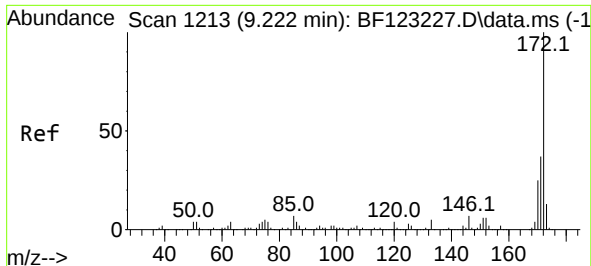
Tgt Ion:164 Resp: 276942
Ion Ratio Lower Upper
164 100
162 104.0 80.8 121.2
160 46.1 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 6.15 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF123351.D
Acq: 2 Mar 2021 23:05

Tgt Ion:330 Resp: 17343
Ion Ratio Lower Upper
330 100
332 96.9 77.5 116.3
141 52.9 23.8 35.8#

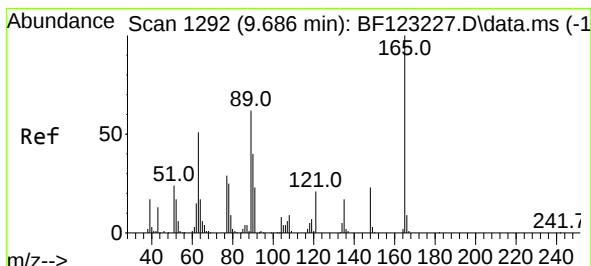
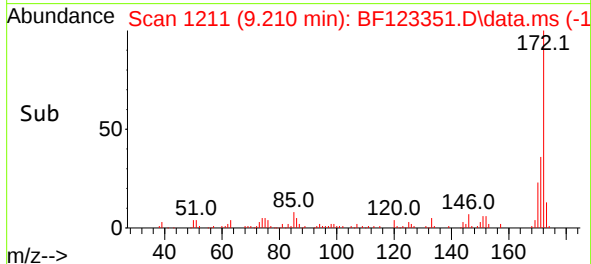
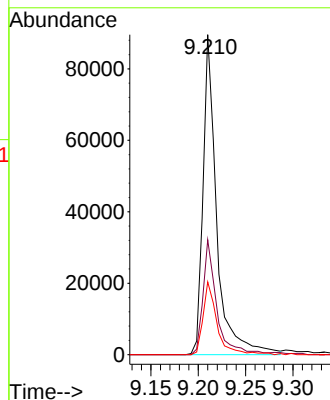
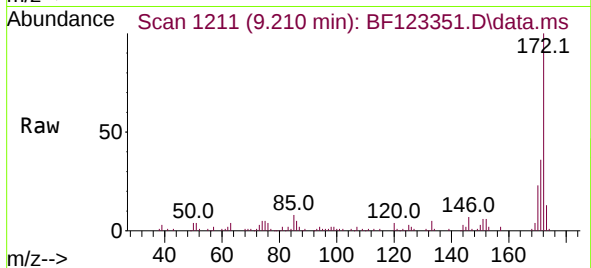




#45
2-Fluorobiphenyl
Concen: 4.68 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.012 min
Lab File: BF123351.D
Acq: 2 Mar 2021 23:05

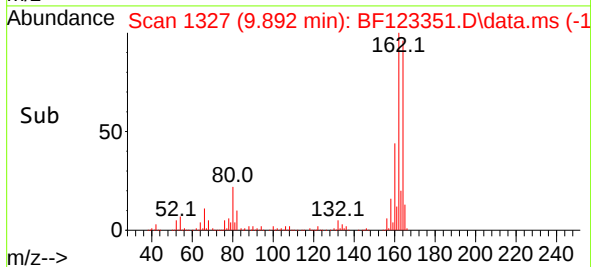
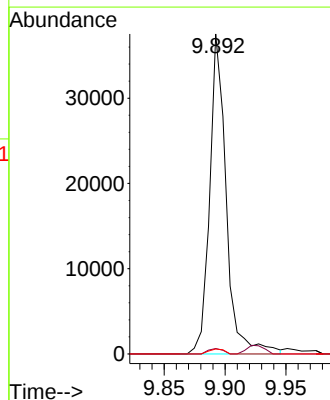
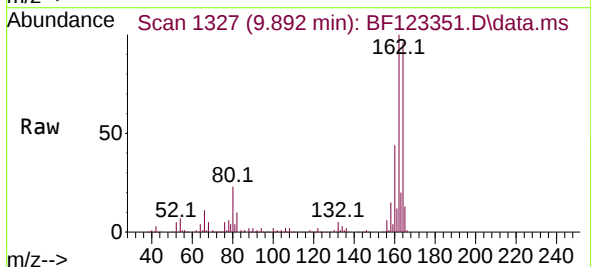
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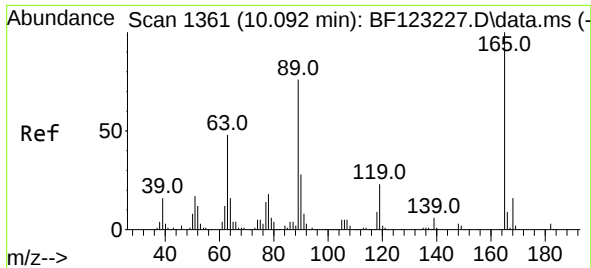
Tgt Ion:172 Resp: 90212
Ion Ratio Lower Upper
172 100
171 35.9 29.6 44.4
170 22.8 19.5 29.3



#51
2,6-Dinitrotoluene
Concen: 7.41 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.206 min
Lab File: BF123351.D
Acq: 2 Mar 2021 23:05

Tgt Ion:165 Resp: 35362
Ion Ratio Lower Upper
165 100
63 1.7 36.6 55.0#
89 1.6 39.4 59.0#

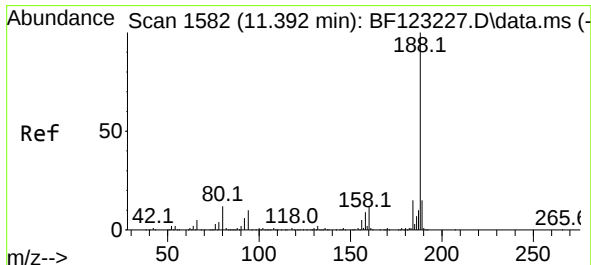
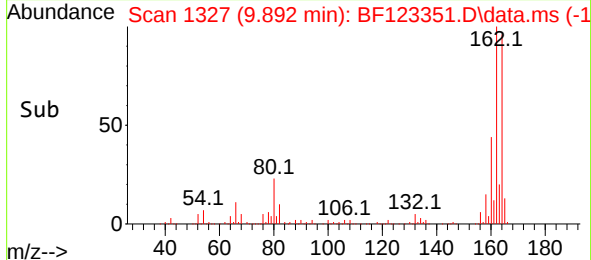
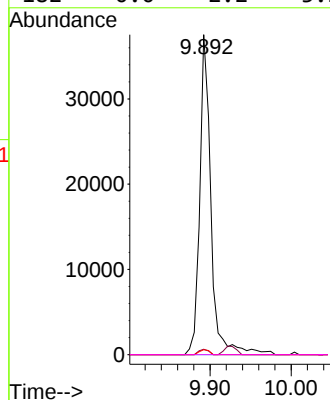
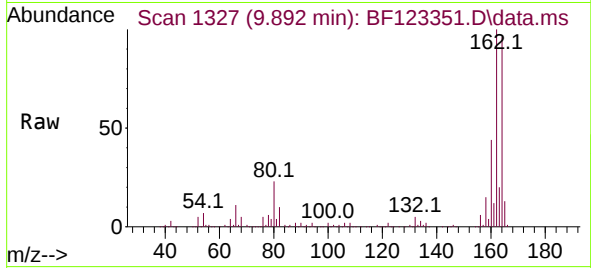




#57
2,4-Dinitrotoluene
Concen: 5.63 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.200 min
Lab File: BF123351.D
Acq: 2 Mar 2021 23:05

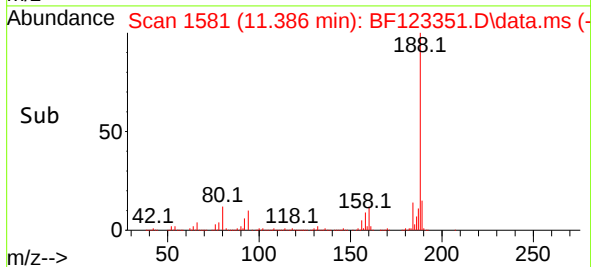
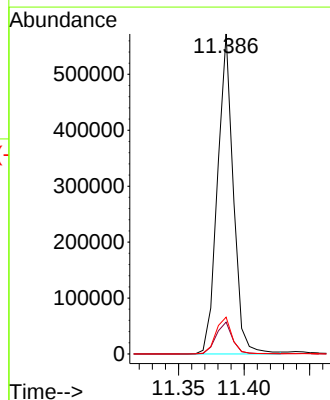
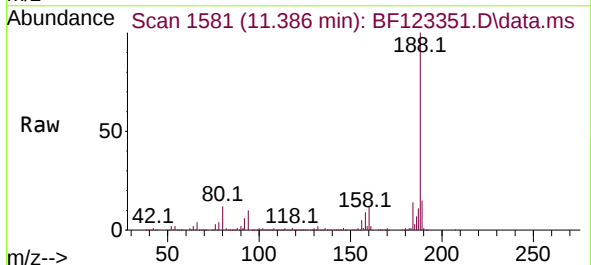
Instrument :
BNA_F
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OK-01-030121

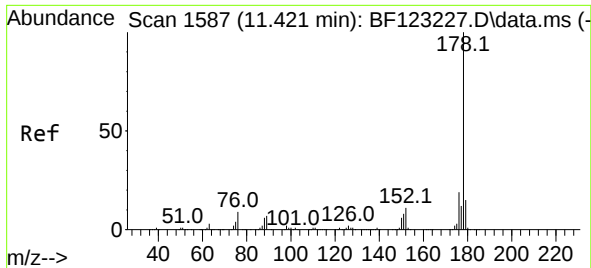
Tgt Ion:	165	Resp:	36156
Ion Ratio	Lower	Upper	
165	100		
63	1.7	34.3	51.5#
89	1.6	55.2	82.8#
182	0.0	2.2	3.2#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF123351.D
Acq: 2 Mar 2021 23:05

Tgt Ion:	188	Resp:	479111
Ion Ratio	Lower	Upper	
188	100		
94	10.0	7.4	11.2
80	11.5	8.2	12.4

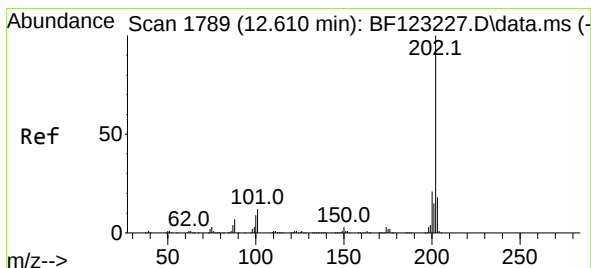
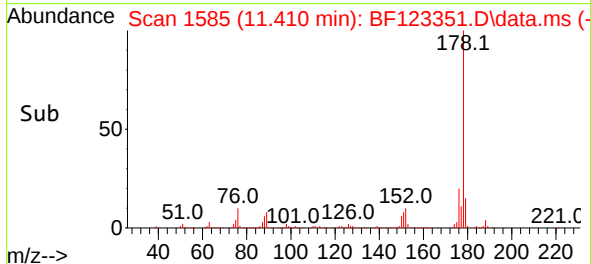
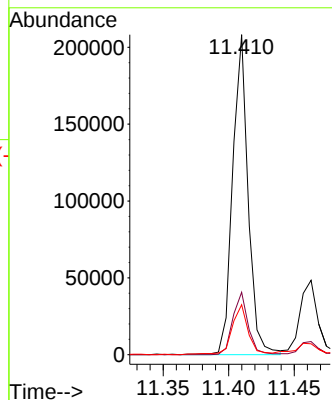
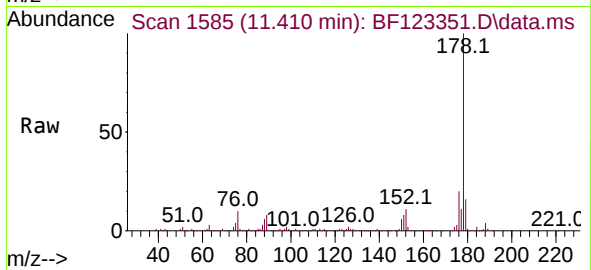




#71
Phenanthrene
Concen: 6.04 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.012 min
Lab File: BF123351.D
Acq: 2 Mar 2021 23:05

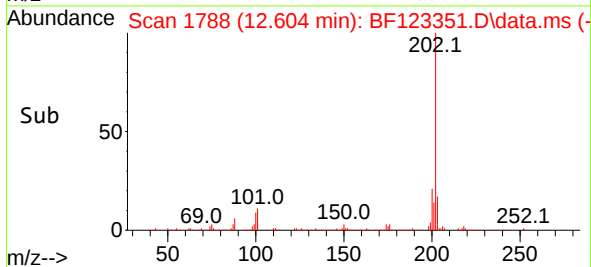
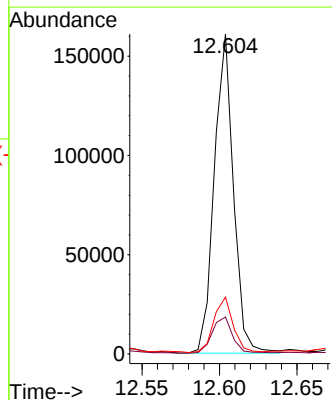
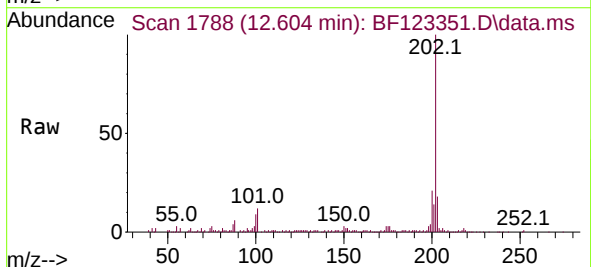
Instrument :
BNA_F
ClientSampleId :
OK-01-030121

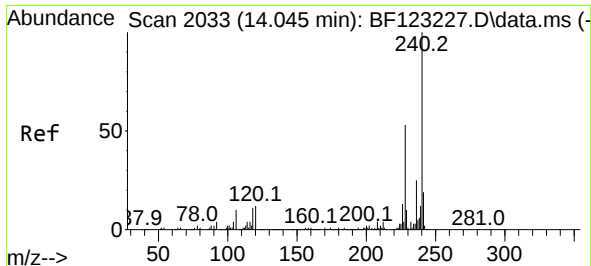
Tgt Ion:178 Resp: 171247
Ion Ratio Lower Upper
178 100
176 19.5 16.2 24.2
179 15.6 12.7 19.1



#75
Fluoranthene
Concen: 4.61 ng
RT: 12.604 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF123351.D
Acq: 2 Mar 2021 23:05

Tgt Ion:202 Resp: 138347
Ion Ratio Lower Upper
202 100
101 11.6 0.0 32.2
203 17.8 0.0 38.1

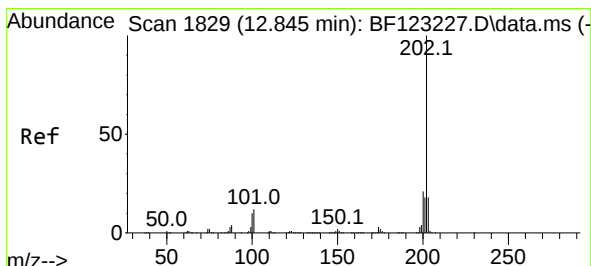
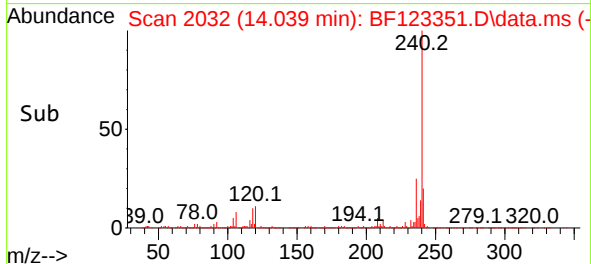
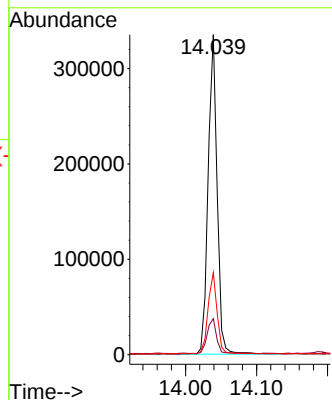
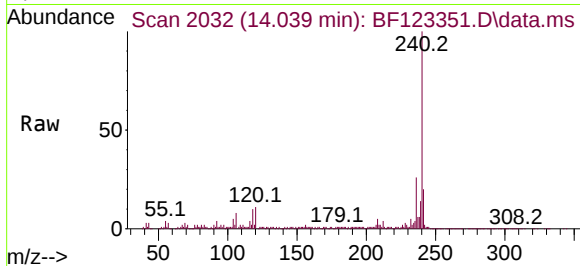




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF123351.D
Acq: 2 Mar 2021 23:05

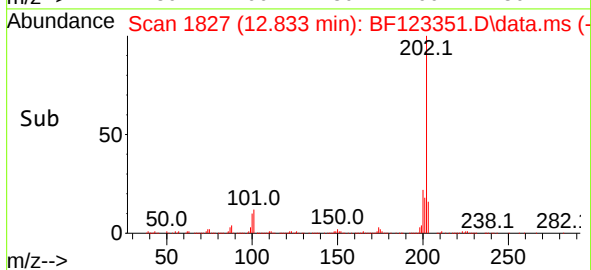
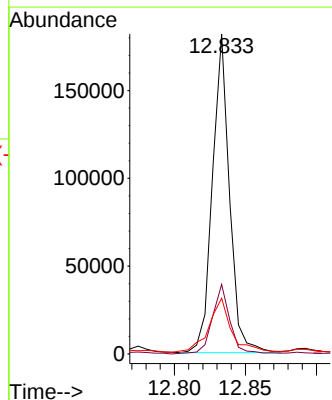
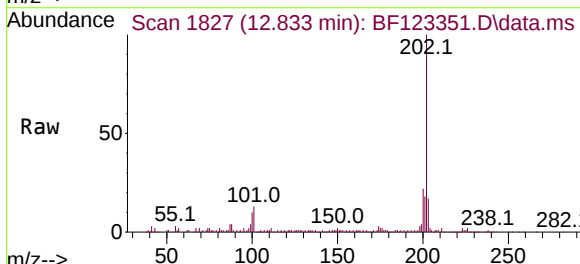
Instrument :
BNA_F
ClientSampleId :
OK-01-030121

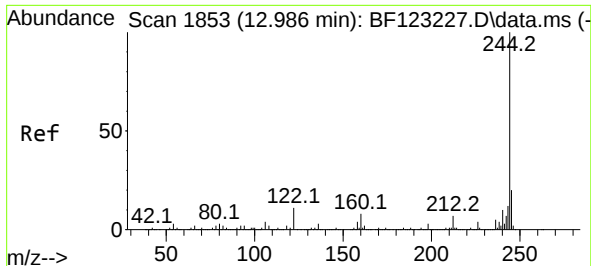
Tgt Ion:240 Resp: 295820
Ion Ratio Lower Upper
240 100
120 11.2 8.6 12.8
236 25.7 20.3 30.5



#78
Pyrene
Concen: 6.57 ng
RT: 12.833 min Scan# 1827
Delta R.T. -0.012 min
Lab File: BF123351.D
Acq: 2 Mar 2021 23:05

Tgt Ion:202 Resp: 151779
Ion Ratio Lower Upper
202 100
200 21.8 17.6 26.4
203 17.4 14.6 21.8

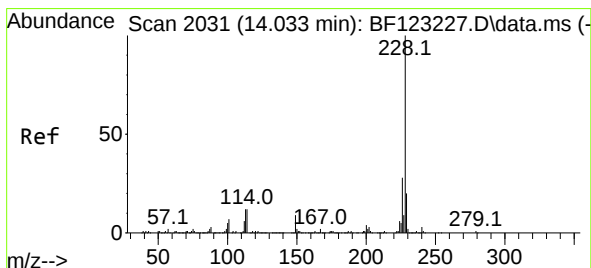
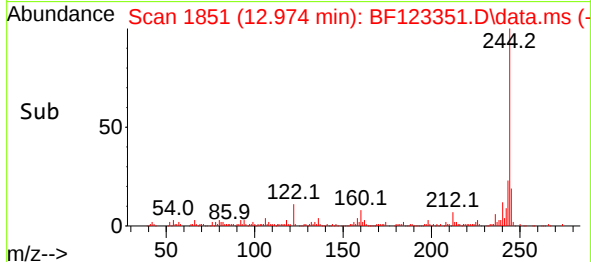
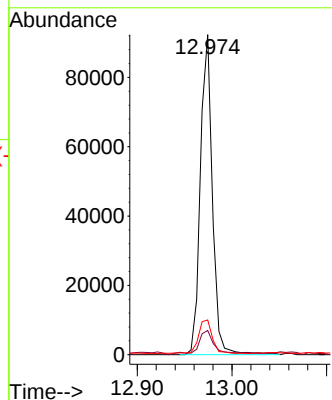
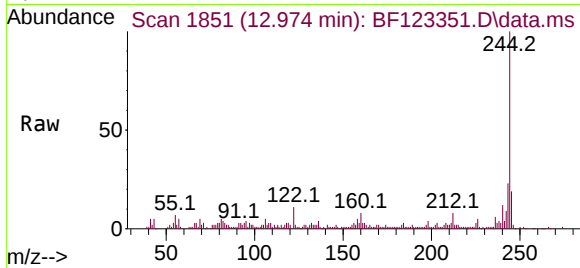




#79
 Terphenyl-d14
 Concen: 5.31 ng
 RT: 12.974 min Scan# 1851
 Delta R.T. -0.012 min
 Lab File: BF123351.D
 Acq: 2 Mar 2021 23:05

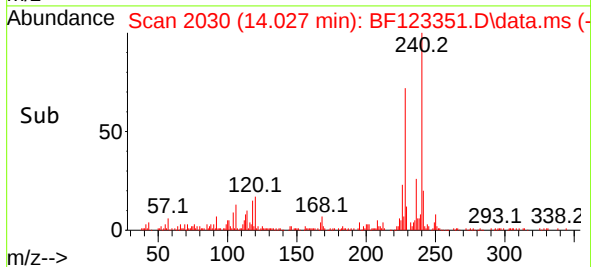
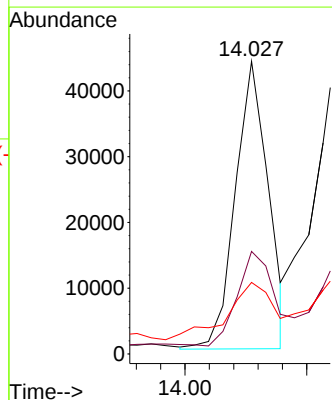
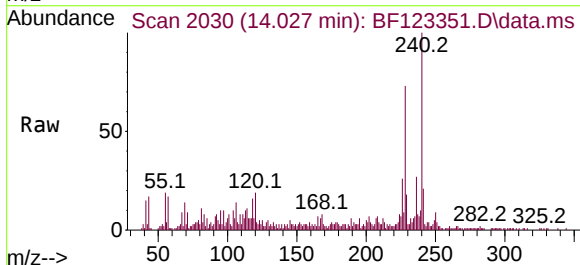
Instrument :
 BNA_F
 ClientSampleId :
 OK-01-030121

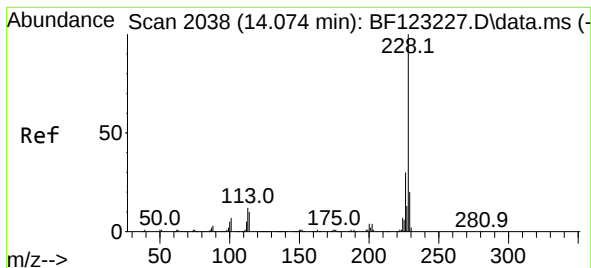
Tgt Ion:244 Resp: 81705
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.7 8.5
 122 10.9 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 2.05 ng
 RT: 14.027 min Scan# 2030
 Delta R.T. -0.006 min
 Lab File: BF123351.D
 Acq: 2 Mar 2021 23:05

Tgt Ion:228 Resp: 41286
 Ion Ratio Lower Upper
 228 100
 226 35.0 23.0 34.4#
 229 24.4 16.6 24.8





#83

Chrysene

Concen: 2.47 ng

RT: 14.063 min Scan# 2036

Delta R.T. -0.012 min

Lab File: BF123351.D

Acq: 2 Mar 2021 23:05

Tgt Ion:228 Resp: 48727

Ion Ratio Lower Upper

228 100

226 30.8 24.6 36.8

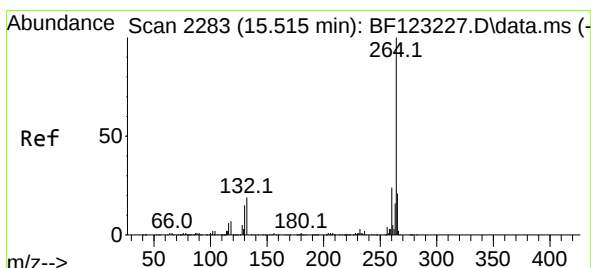
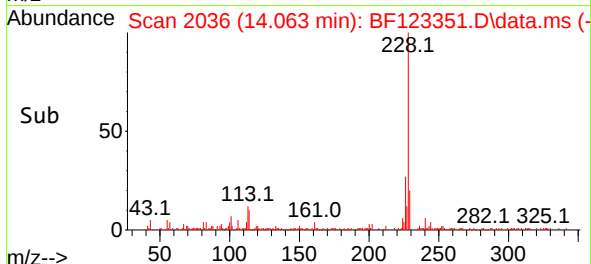
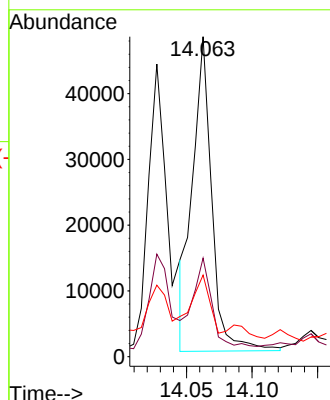
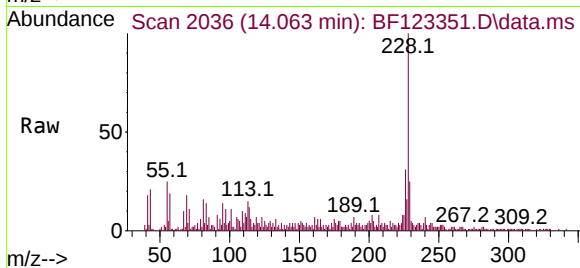
229 25.5 15.8 23.6#

Instrument :

BNA_F

ClientSampleId :

OK-01-030121



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.521 min Scan# 2284

Delta R.T. 0.006 min

Lab File: BF123351.D

Acq: 2 Mar 2021 23:05

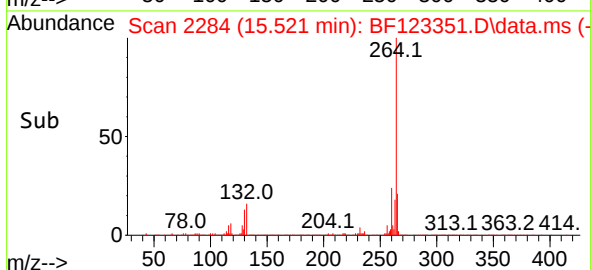
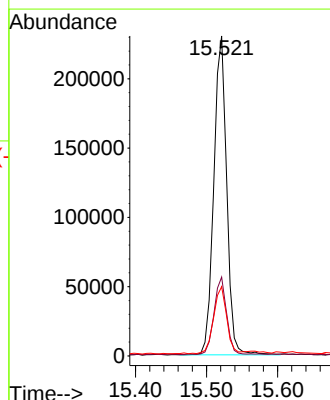
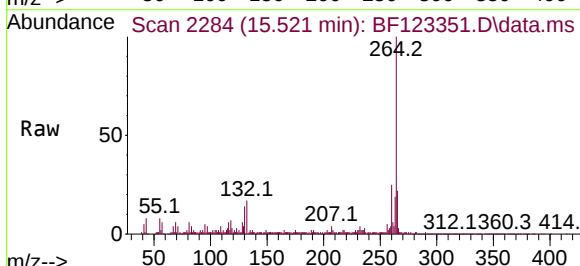
Tgt Ion:264 Resp: 289766

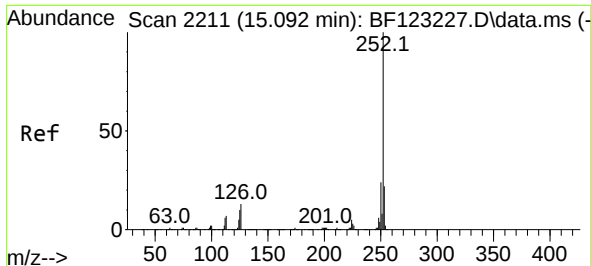
Ion Ratio Lower Upper

264 100

260 24.6 18.6 28.0

265 21.6 17.0 25.6

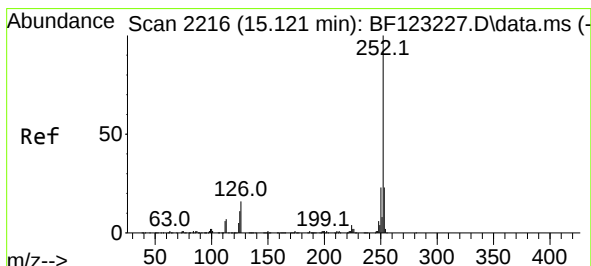
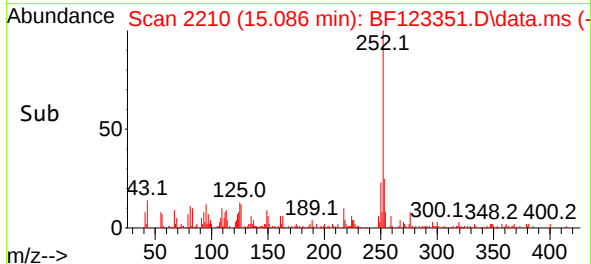
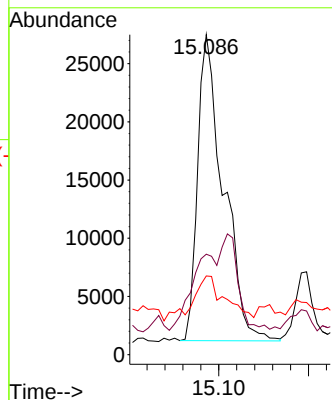
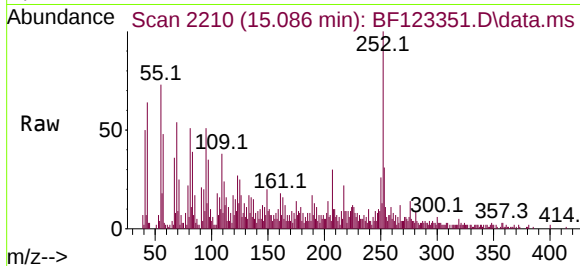




#88
Benzo(b)fluoranthene
Concen: 2.57 ng
RT: 15.086 min Scan# 2210
Delta R.T. -0.006 min
Lab File: BF123351.D
Acq: 2 Mar 2021 23:05

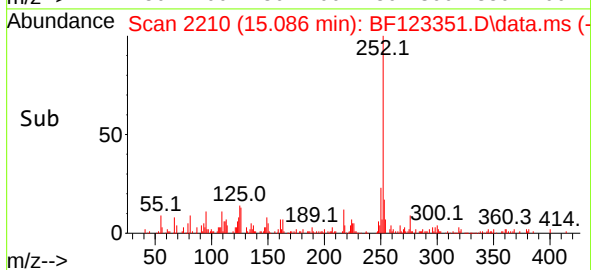
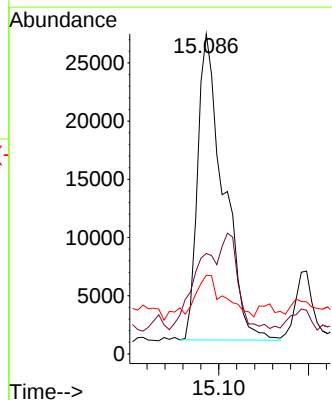
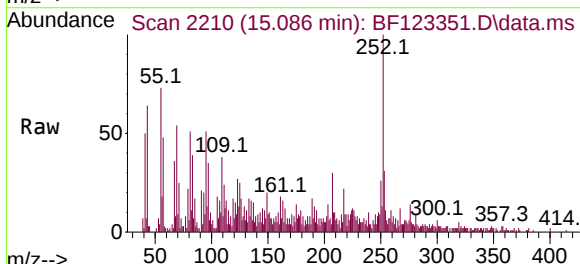
Instrument :
BNA_F
ClientSampleId :
OK-01-030121

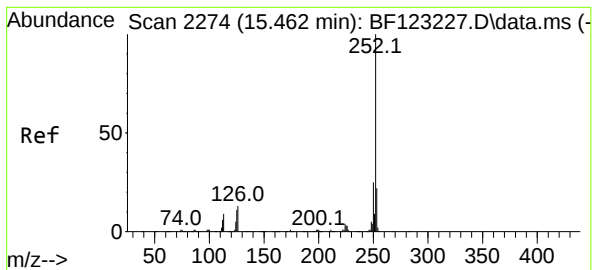
Tgt Ion:252 Resp: 52322
Ion Ratio Lower Upper
252 100
253 31.4 18.3 27.5#
125 24.6 8.1 12.1#



#89
Benzo(k)fluoranthene
Concen: 2.84 ng
RT: 15.086 min Scan# 2210
Delta R.T. -0.035 min
Lab File: BF123351.D
Acq: 2 Mar 2021 23:05

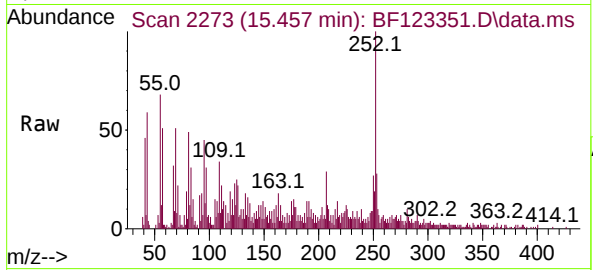
Tgt Ion:252 Resp: 52322
Ion Ratio Lower Upper
252 100
253 31.4 17.8 26.8#
125 24.6 8.4 12.6#





#90
Benzo(a)pyrene
Concen: 2.01 ng
RT: 15.457 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF123351.D
Acq: 2 Mar 2021 23:05

Instrument :
BNA_F
ClientSampleId :
OK-01-030121



Tgt Ion:252 Resp: 36418
Ion Ratio Lower Upper
252 100
253 27.9 17.5 26.3#
125 24.8 8.6 12.8#

