

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042021\
 Data File : BF123646.D
 Acq On : 20 Apr 2021 16:52
 Operator : JU/CG
 Sample : M2074-14
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNPH2-B-10

Quant Time: Apr 21 01:19:51 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 20 15:49:40 2021
 Response via : Initial Calibration

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

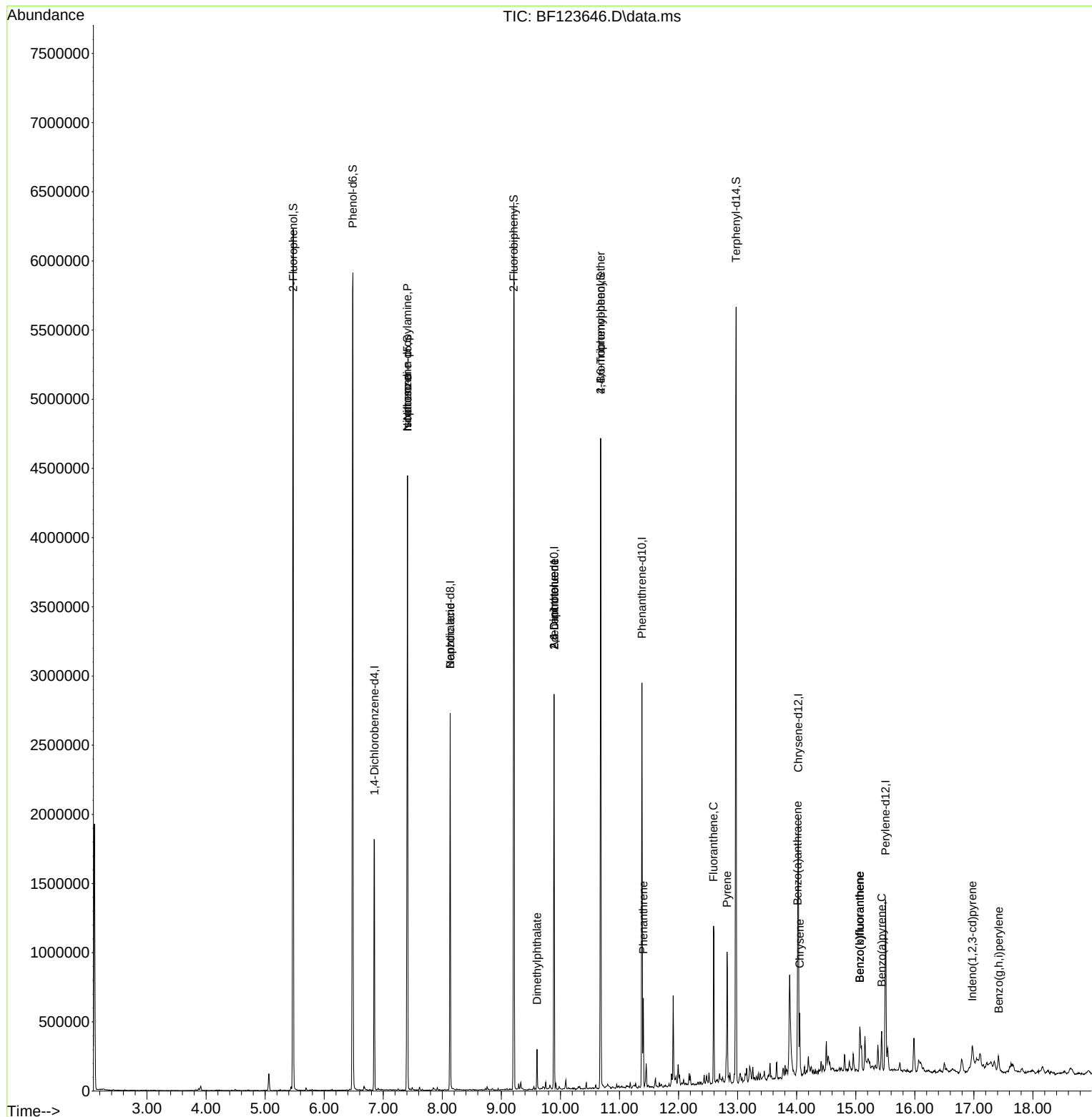
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	254940	20.00	ng	0.00
21) Naphthalene-d8	8.134	136	970856	20.00	ng	# 0.00
39) Acenaphthene-d10	9.892	164	475909	20.00	ng	0.00
64) Phenanthrene-d10	11.380	188	921754	20.00	ng	0.00
76) Chrysene-d12	14.027	240	589652	20.00	ng	0.00
86) Perylene-d12	15.504	264	539259	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	1411158	89.46	ng	0.00
7) Phenol-d6	6.487	99	1830782	83.76	ng	0.00
23) Nitrobenzene-d5	7.410	82	1303570	61.73	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	504018	93.52	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	1904568	59.66	ng	0.00
79) Terphenyl-d14	12.974	244	1814310	59.80	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.410	70	179550	12.40	ng	# 75
25) Isophorone	7.410	82	1301141	31.76	ng	# 69
32) Benzoic acid	8.134	122	152	4.56	ng	# 1
50) Dimethylphthalate	9.604	163	87995	2.68	ng	100
51) 2,6-Dinitrotoluene	9.892	165	63266	8.77	ng	# 11
57) 2,4-Dinitrotoluene	9.892	165	63266	6.56	ng	# 17
67) 4-Bromophenyl-phenylether	10.680	248	28079	2.91	ng	# 1
71) Phenanthrene	11.404	178	204164	4.24	ng	98
75) Fluoranthene	12.592	202	453927	8.59	ng	98
78) Pyrene	12.821	202	375651	8.73	ng	98
81) Benzo(a)anthracene	14.016	228	180102	4.98	ng	99
83) Chrysene	14.051	228	145804	4.02	ng	98
87) Indeno(1,2,3-cd)pyrene	16.974	276	90724	3.15	ng	98
88) Benzo(b)fluoranthene	15.068	252	240231	6.31	ng	# 97
89) Benzo(k)fluoranthene	15.068	252	240231	5.66	ng	# 97
90) Benzo(a)pyrene	15.439	252	126273	4.17	ng	100
92) Benzo(g,h,i)perylene	17.421	276	82978	3.70	ng	# 93

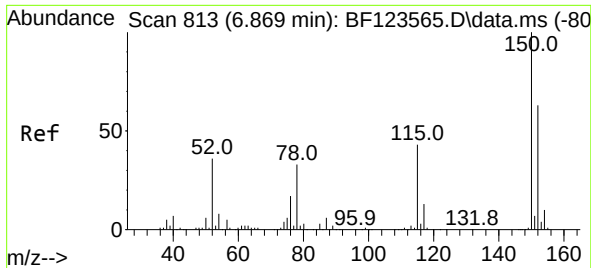
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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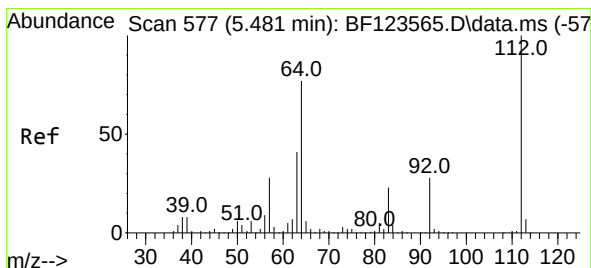
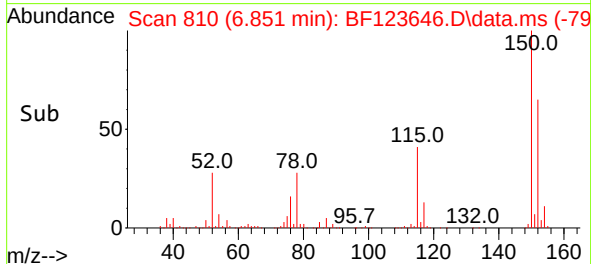
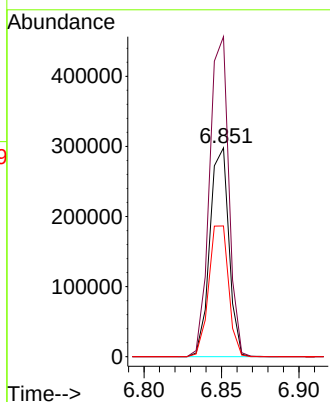
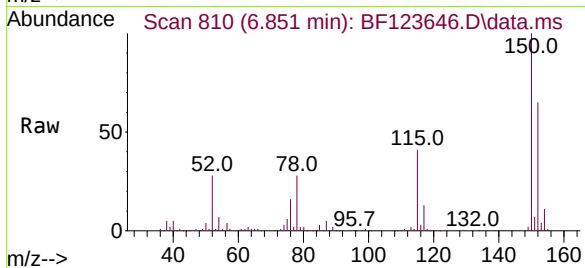




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.851 min Scan# 810
 Delta R.T. 0.000 min
 Lab File: BF123646.D
 Acq: 20 Apr 2021 16:52

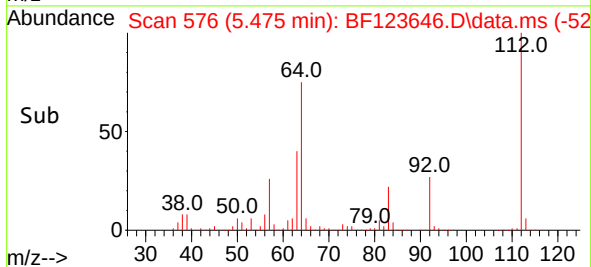
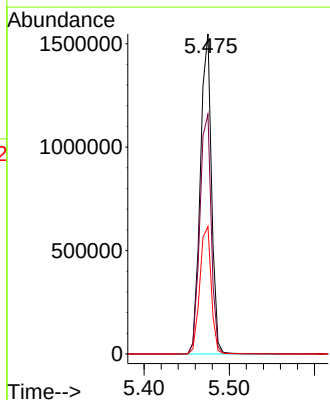
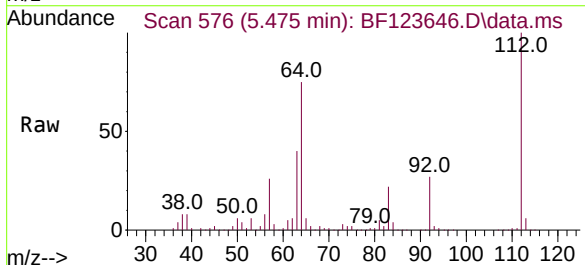
Instrument :
 BNA_F
 ClientSampleId :
 VNPH2-B-10

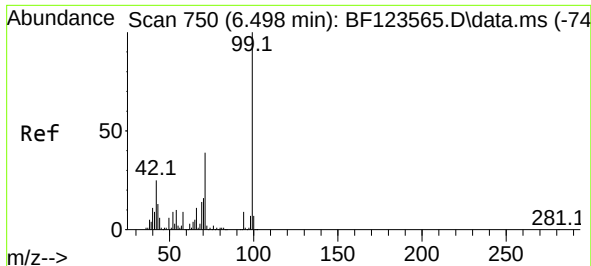
Tgt Ion:152 Resp: 254940
 Ion Ratio Lower Upper
 152 100
 150 153.3 127.0 190.6
 115 62.6 54.3 81.5



#5
 2-Fluorophenol
 Concen: 89.46 ng
 RT: 5.475 min Scan# 576
 Delta R.T. 0.006 min
 Lab File: BF123646.D
 Acq: 20 Apr 2021 16:52

Tgt Ion:112 Resp: 1411158
 Ion Ratio Lower Upper
 112 100
 64 74.9 61.4 92.0
 63 39.8 33.0 49.4



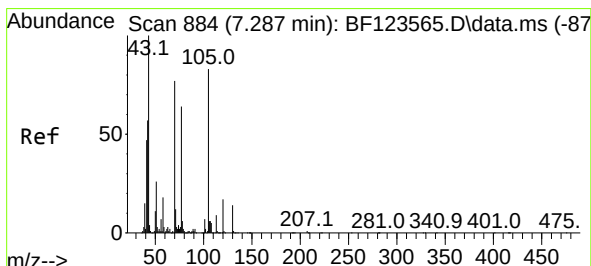
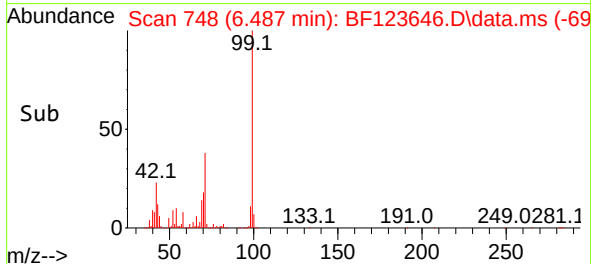
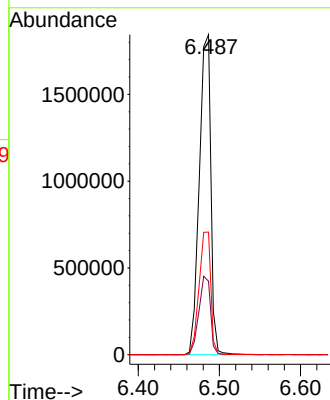
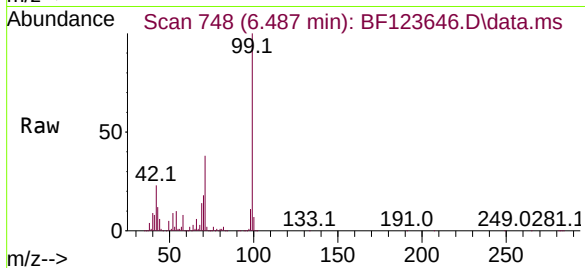


#7
Phenol-d6
Concen: 83.76 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF123646.D
Acq: 20 Apr 2021 16:52

Instrument :
BNA_F
ClientSampleId :
VNPH2-B-10

Tgt Ion: 99 Resp: 1830782

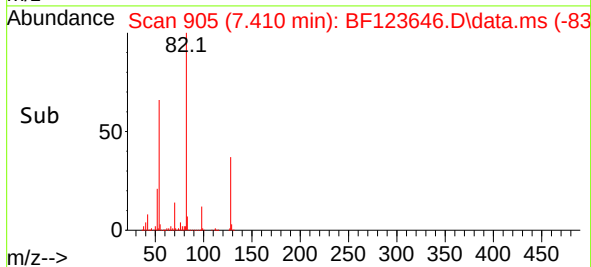
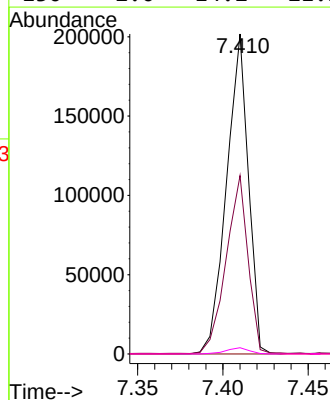
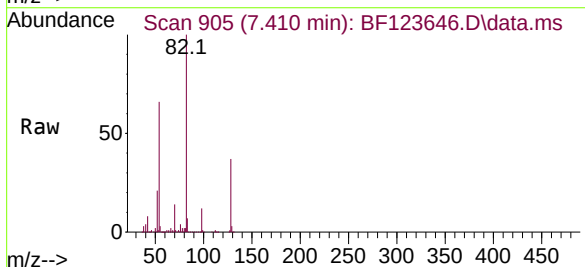
Ion	Ratio	Lower	Upper
99	100		
42	22.9	19.8	29.8
71	38.3	31.1	46.7

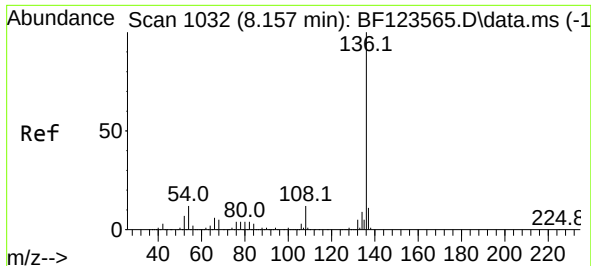


#19
n-Nitroso-di-n-propylamine
Concen: 12.40 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF123646.D
Acq: 20 Apr 2021 16:52

Tgt Ion: 70 Resp: 179550

Ion	Ratio	Lower	Upper
70	100		
42	55.8	60.1	90.1#
101	0.0	7.4	11.2#
130	2.0	14.2	21.2#

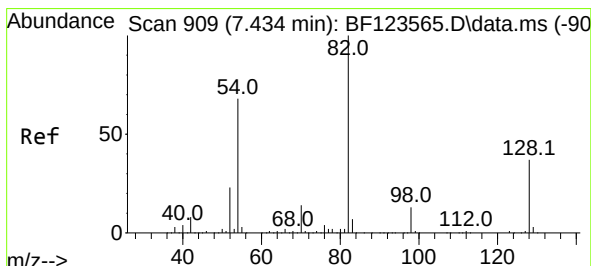
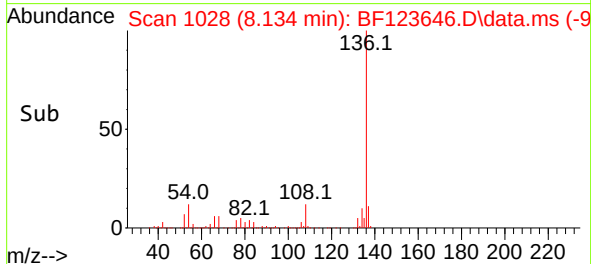
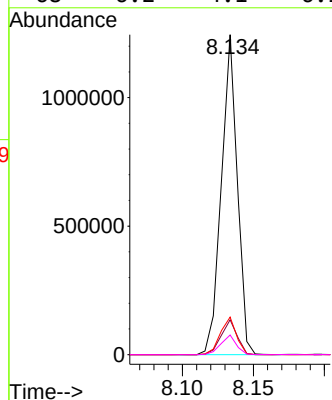
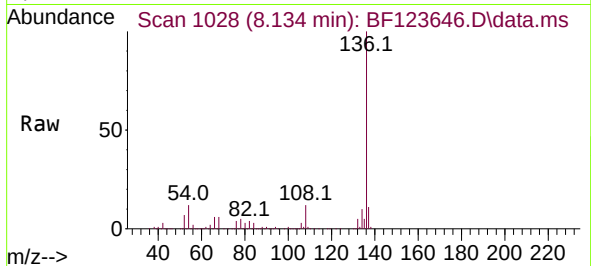




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.134 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF123646.D
Acq: 20 Apr 2021 16:52

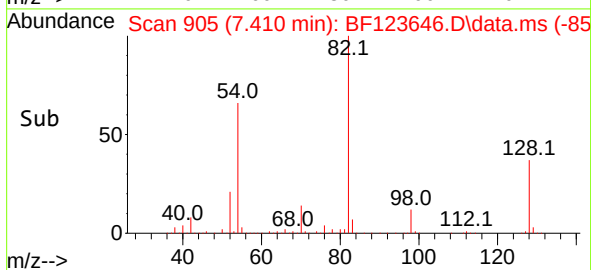
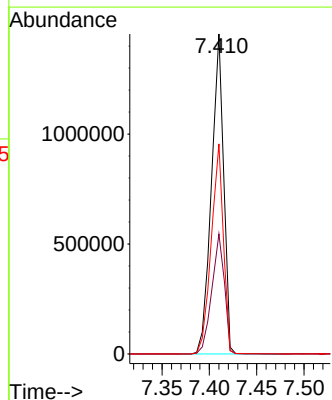
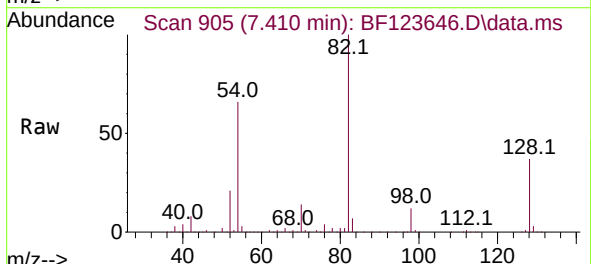
Instrument :
BNA_F
ClientSampleId :
VNPH2-B-10

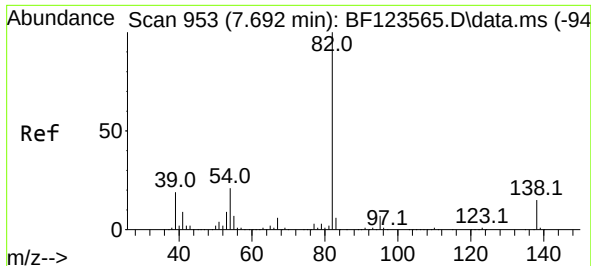
Tgt Ion:136	Resp: 970856
Ion Ratio	Lower Upper
136	100
137	10.9 8.7 13.1
54	11.7 9.8 14.6
68	6.2 4.1 6.1#



#23
Nitrobenzene-d5
Concen: 61.73 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF123646.D
Acq: 20 Apr 2021 16:52

Tgt Ion: 82	Resp: 1303570
Ion Ratio	Lower Upper
82	100
128	37.5 29.4 44.2
54	65.7 54.1 81.1

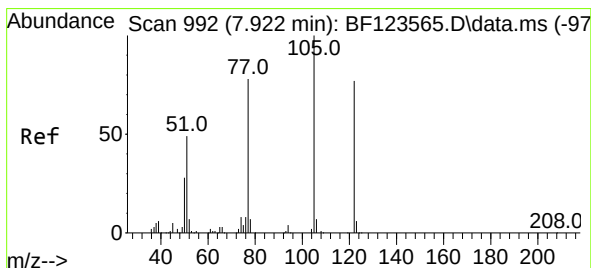
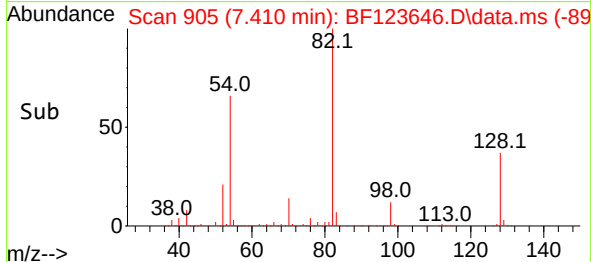
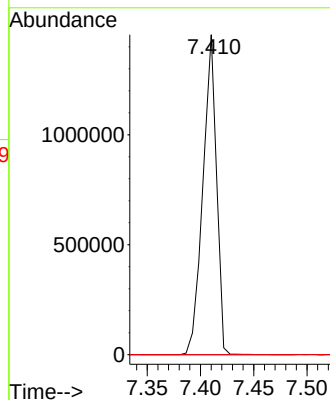
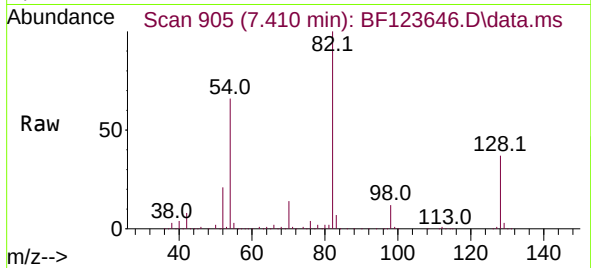




#25
Isophorone
Concen: 31.76 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.265 min
Lab File: BF123646.D
Acq: 20 Apr 2021 16:52

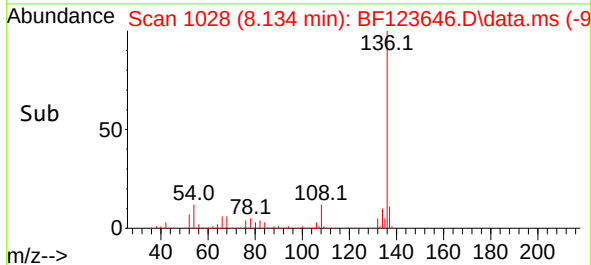
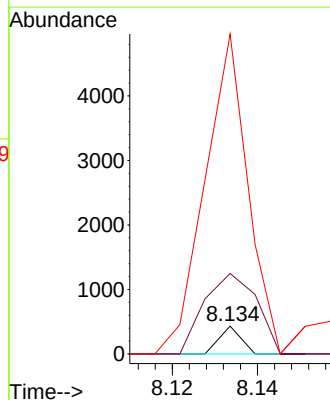
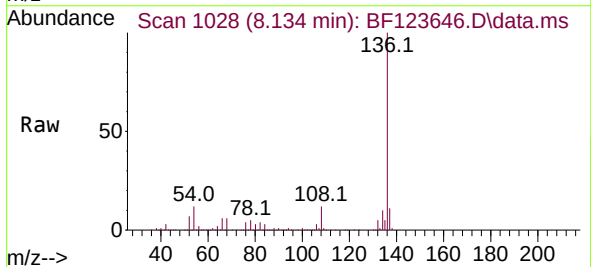
Instrument :
BNA_F
ClientSampleId :
VNPH2-B-10

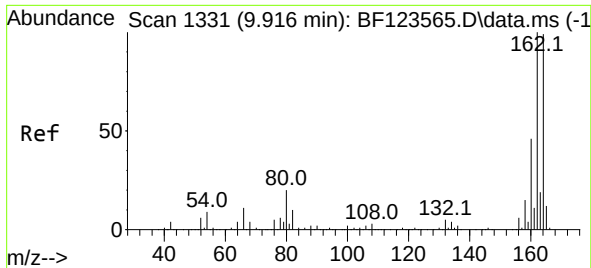
Tgt Ion: 82 Resp: 1301141
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#32
Benzoic acid
Concen: 4.56 ng
RT: 8.134 min Scan# 1028
Delta R.T. 0.218 min
Lab File: BF123646.D
Acq: 20 Apr 2021 16:52

Tgt Ion: 122 Resp: 152
Ion Ratio Lower Upper
122 100
105 289.6 107.8 147.8#
77 1151.0 81.6 121.6#

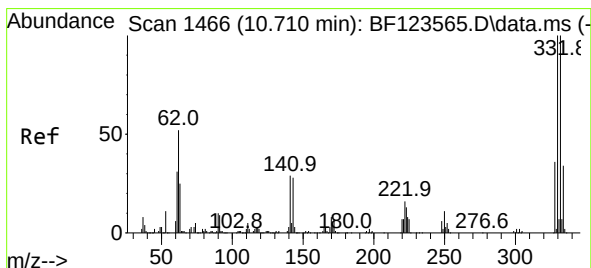
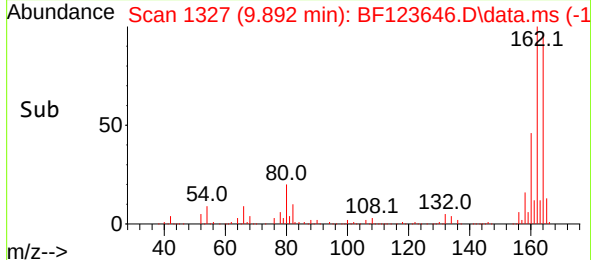
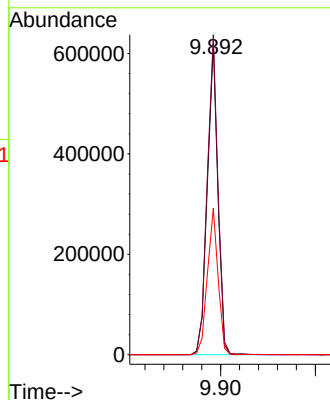
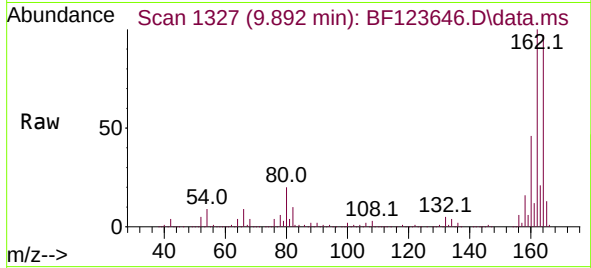




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF123646.D
Acq: 20 Apr 2021 16:52

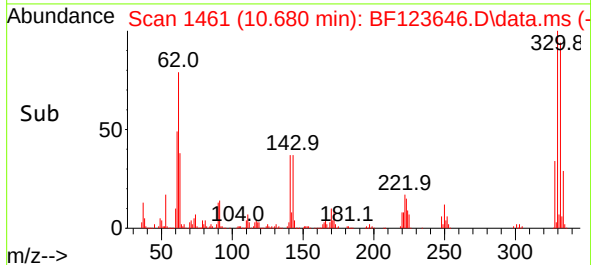
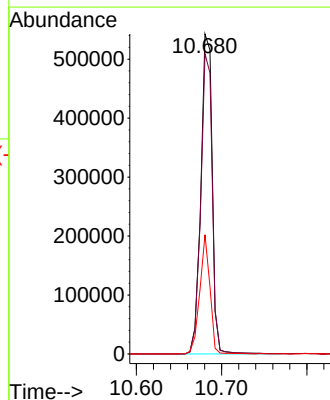
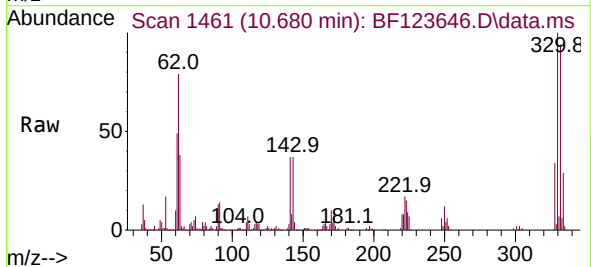
Instrument :
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ClientSampleId :
VNPH2-B-10

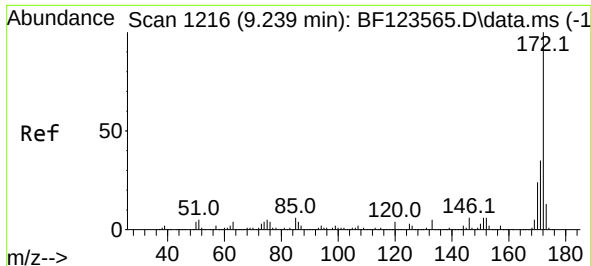
Tgt Ion:164 Resp: 475909
Ion Ratio Lower Upper
164 100
162 102.9 80.7 121.1
160 47.1 37.3 55.9



#42
2,4,6-Tribromophenol
Concen: 93.52 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF123646.D
Acq: 20 Apr 2021 16:52

Tgt Ion:330 Resp: 504018
Ion Ratio Lower Upper
330 100
332 94.3 77.1 115.7
141 33.4 27.9 41.9

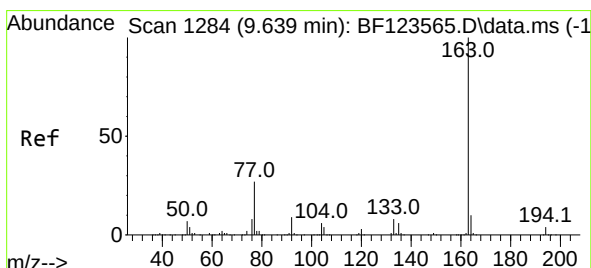
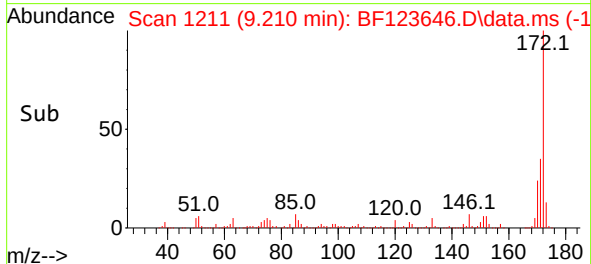
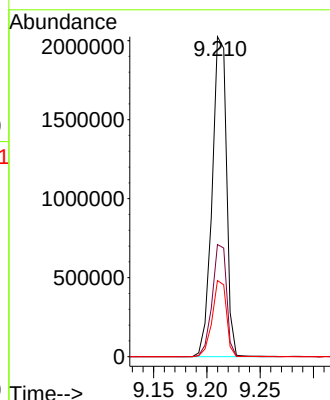
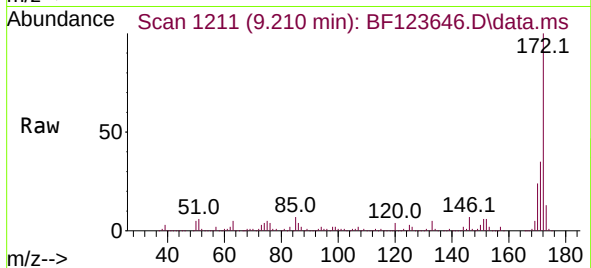




#45
2-Fluorobiphenyl
Concen: 59.66 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF123646.D
Acq: 20 Apr 2021 16:52

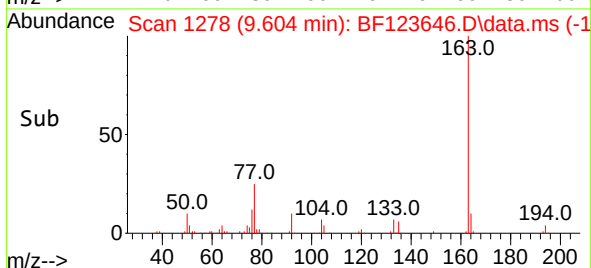
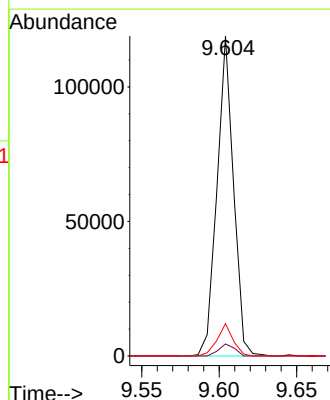
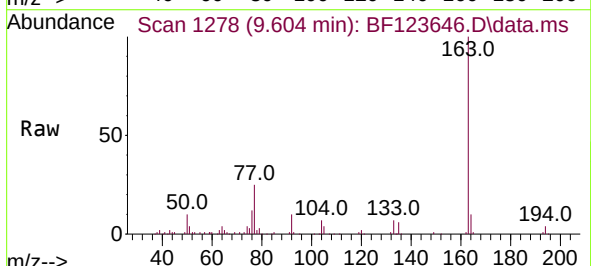
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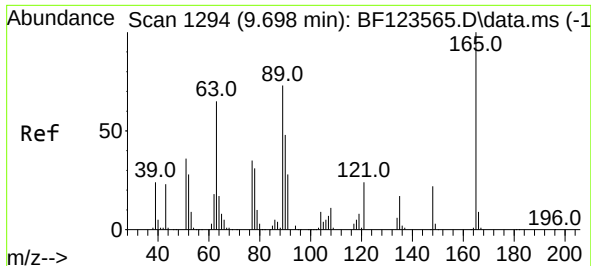
Tgt Ion:172 Resp: 1904568
Ion Ratio Lower Upper
172 100
171 35.0 28.1 42.1
170 23.8 19.2 28.8



#50
Dimethylphthalate
Concen: 2.68 ng
RT: 9.604 min Scan# 1278
Delta R.T. -0.018 min
Lab File: BF123646.D
Acq: 20 Apr 2021 16:52

Tgt Ion:163 Resp: 87995
Ion Ratio Lower Upper
163 100
194 3.7 3.1 4.7
164 10.1 8.2 12.2

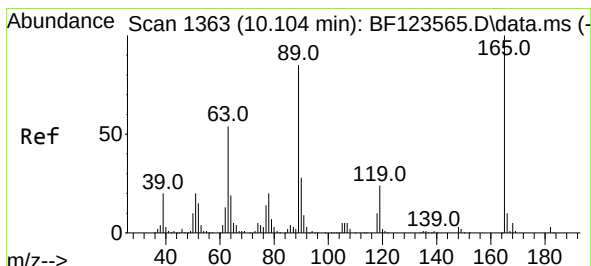
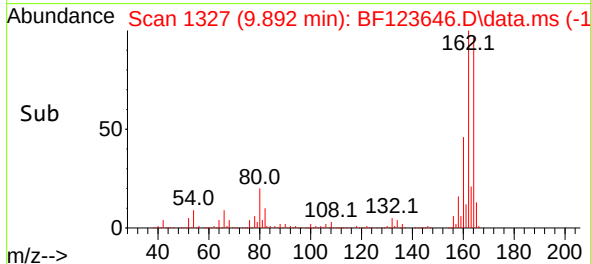
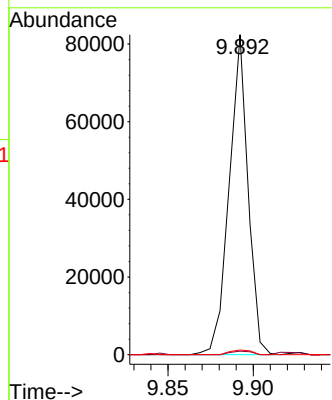
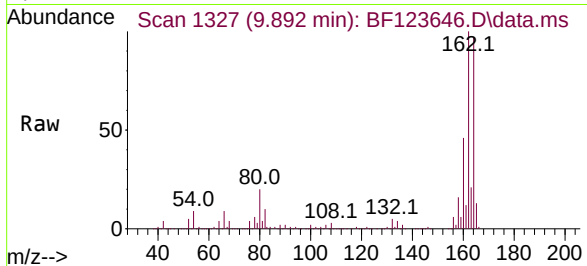




#51
2,6-Dinitrotoluene
Concen: 8.77 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.212 min
Lab File: BF123646.D
Acq: 20 Apr 2021 16:52

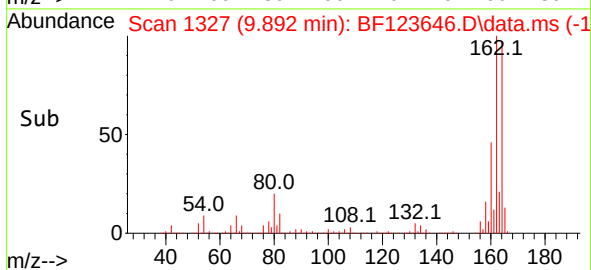
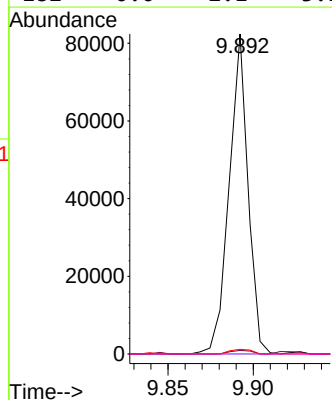
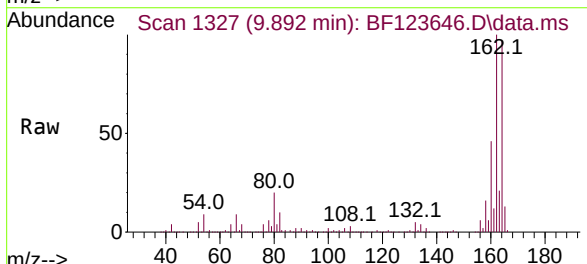
Instrument :
BNA_F
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VNPH2-B-10

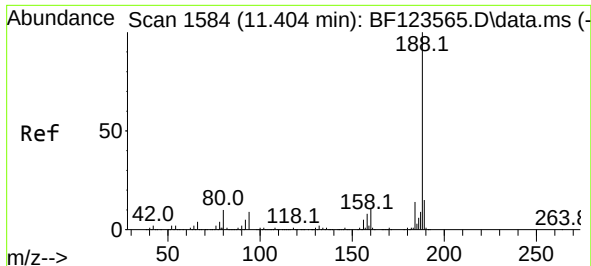
Tgt Ion:165 Resp: 63266
Ion Ratio Lower Upper
165 100
63 1.1 67.7 101.5#
89 1.5 58.8 88.2#



#57
2,4-Dinitrotoluene
Concen: 6.56 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.188 min
Lab File: BF123646.D
Acq: 20 Apr 2021 16:52

Tgt Ion:165 Resp: 63266
Ion Ratio Lower Upper
165 100
63 1.1 43.5 65.3#
89 1.5 67.7 101.5#
182 0.0 2.1 3.1#

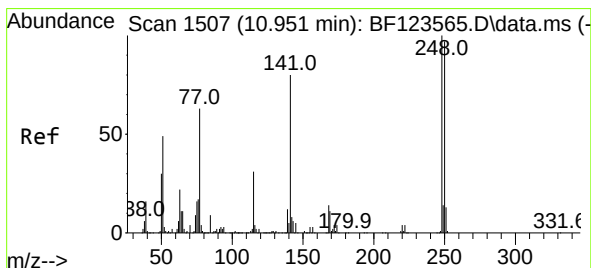
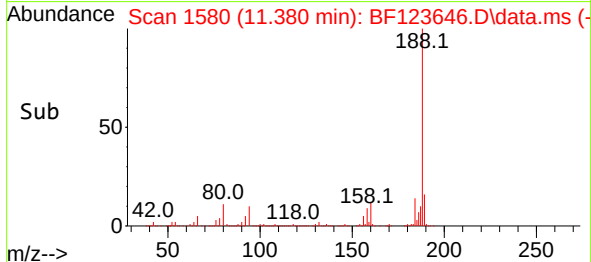
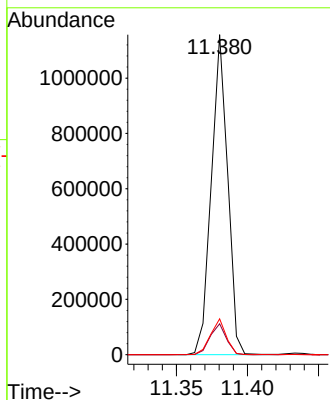
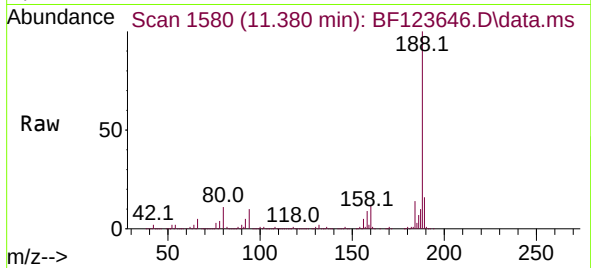




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF123646.D
Acq: 20 Apr 2021 16:52

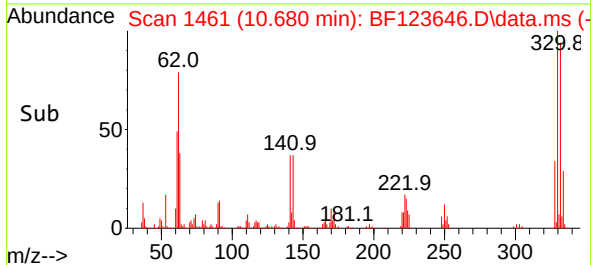
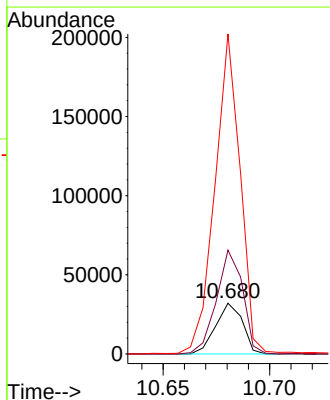
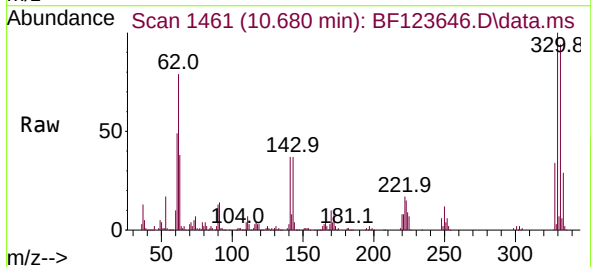
Instrument :
BNA_F
ClientSampleId :
VNPH2-B-10

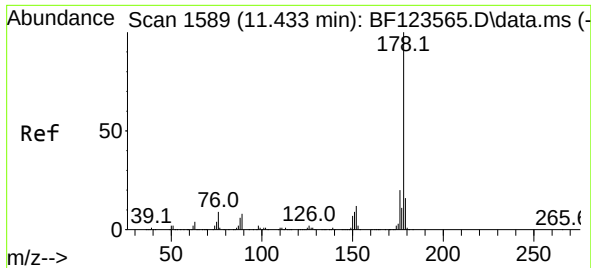
Tgt Ion:188 Resp: 921754
Ion Ratio Lower Upper
188 100
94 9.6 6.9 10.3
80 11.2 8.2 12.2



#67
4-Bromophenyl-phenylether
Concen: 2.91 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.247 min
Lab File: BF123646.D
Acq: 20 Apr 2021 16:52

Tgt Ion:248 Resp: 28079
Ion Ratio Lower Upper
248 100
250 204.7 77.4 116.2#
141 631.2 63.7 95.5#

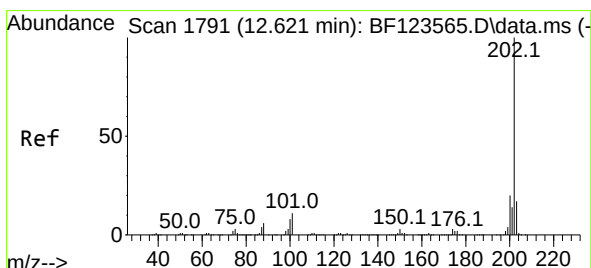
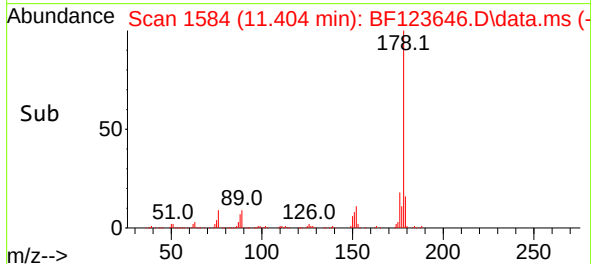
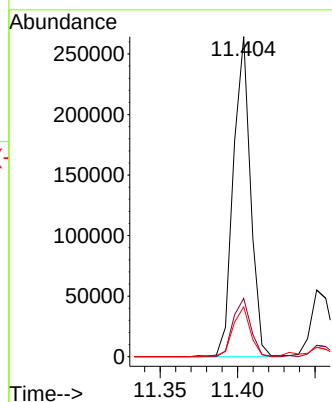
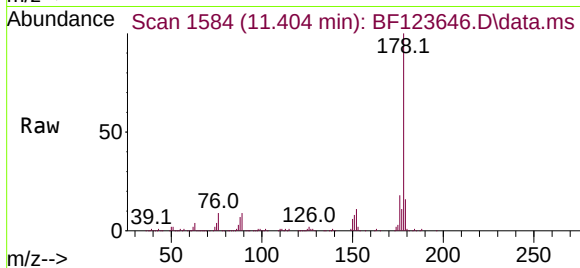




#71
Phenanthrene
Concen: 4.24 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF123646.D
Acq: 20 Apr 2021 16:52

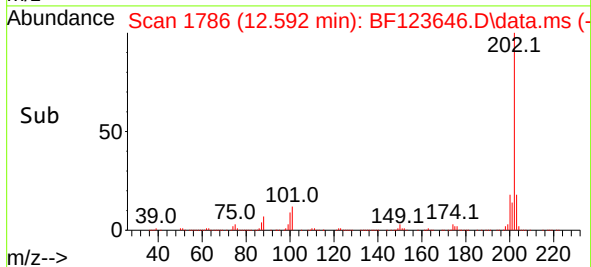
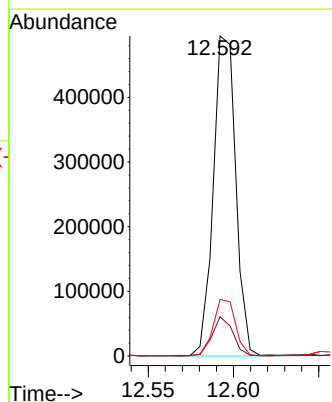
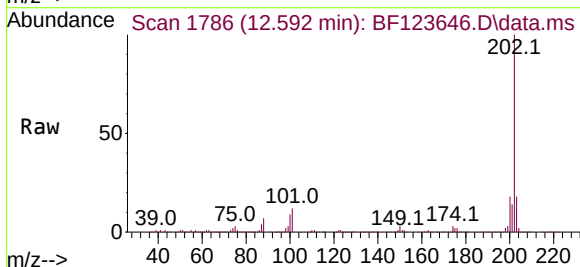
Instrument :
BNA_F
ClientSampleId :
VNPH2-B-10

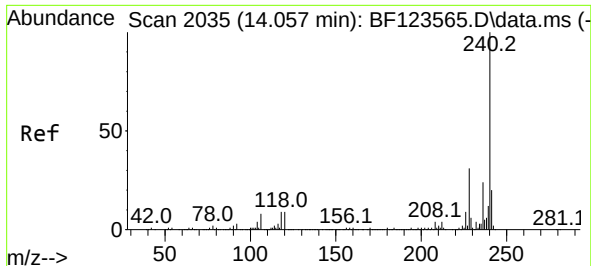
Tgt Ion:178 Resp: 204164
Ion Ratio Lower Upper
178 100
176 18.2 15.6 23.4
179 15.6 12.5 18.7



#75
Fluoranthene
Concen: 8.59 ng
RT: 12.592 min Scan# 1786
Delta R.T. -0.012 min
Lab File: BF123646.D
Acq: 20 Apr 2021 16:52

Tgt Ion:202 Resp: 453927
Ion Ratio Lower Upper
202 100
101 12.2 0.0 30.9
203 17.6 0.0 37.5

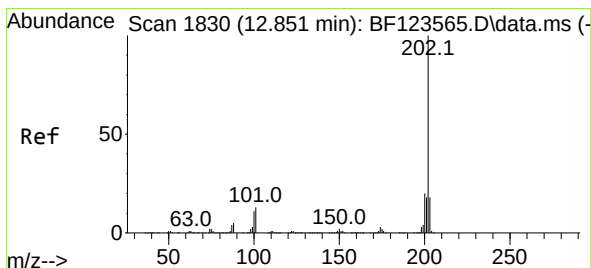
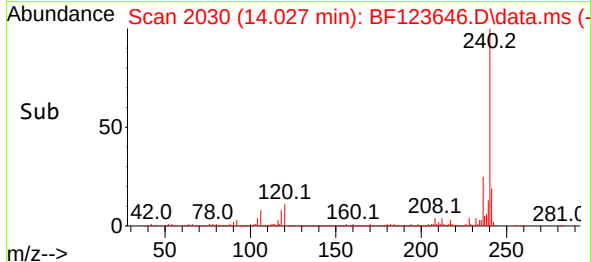
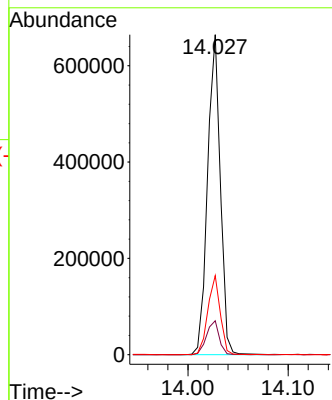
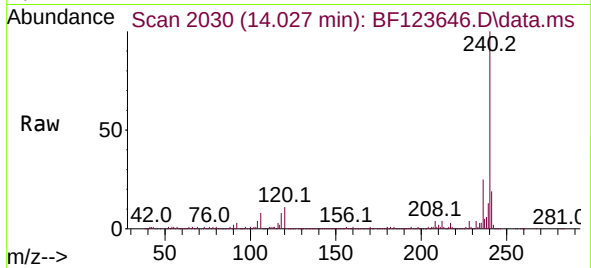




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF123646.D
Acq: 20 Apr 2021 16:52

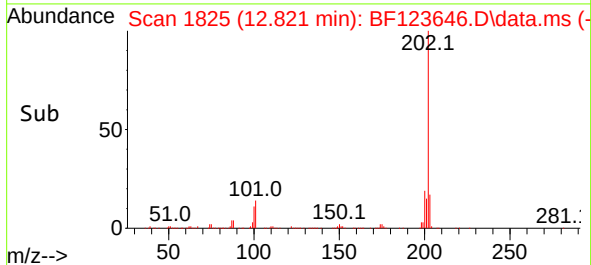
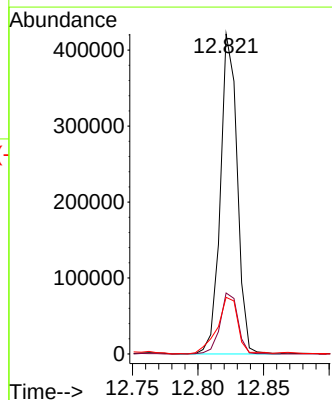
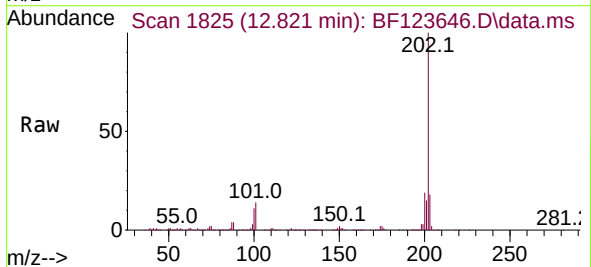
Instrument :
BNA_F
ClientSampleId :
VNPH2-B-10

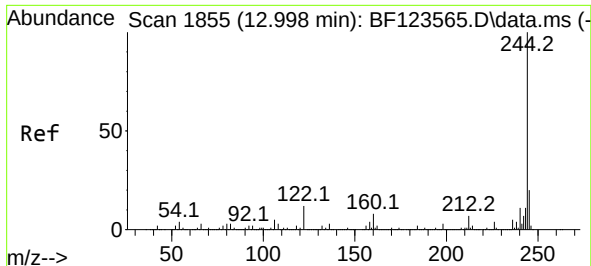
Tgt Ion:240 Resp: 589652
Ion Ratio Lower Upper
240 100
120 10.6 7.2 10.8
236 24.7 19.0 28.4



#78
Pyrene
Concen: 8.73 ng
RT: 12.821 min Scan# 1825
Delta R.T. -0.012 min
Lab File: BF123646.D
Acq: 20 Apr 2021 16:52

Tgt Ion:202 Resp: 375651
Ion Ratio Lower Upper
202 100
200 19.0 16.1 24.1
203 17.7 14.8 22.2

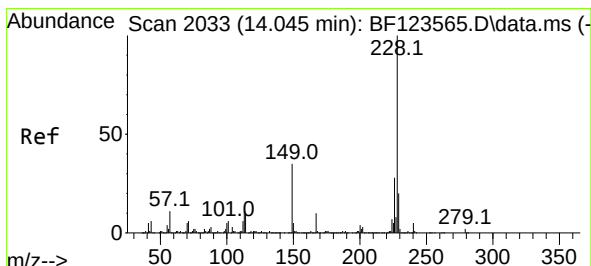
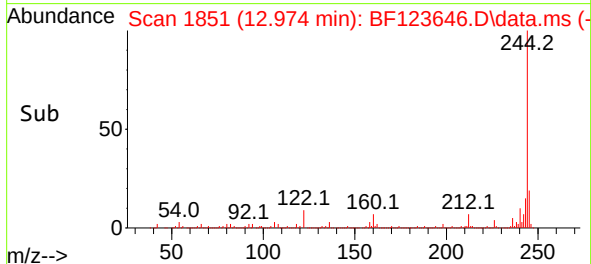
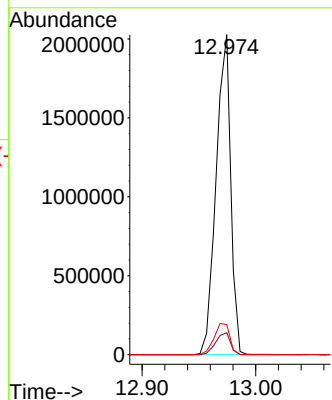
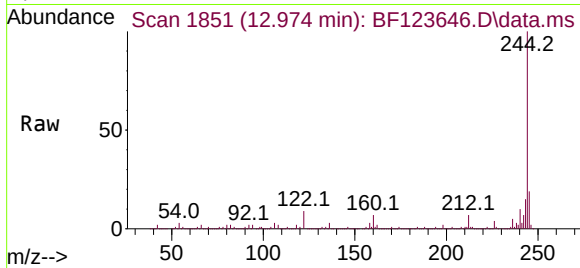




#79
Terphenyl-d14
Concen: 59.80 ng
RT: 12.974 min Scan# 1851
Delta R.T. 0.000 min
Lab File: BF123646.D
Acq: 20 Apr 2021 16:52

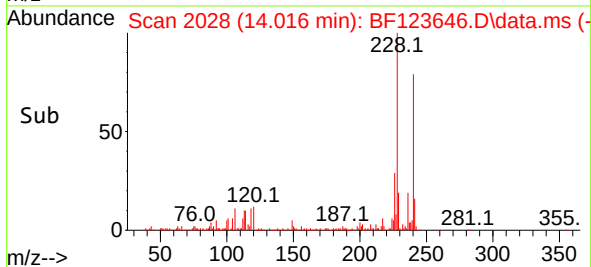
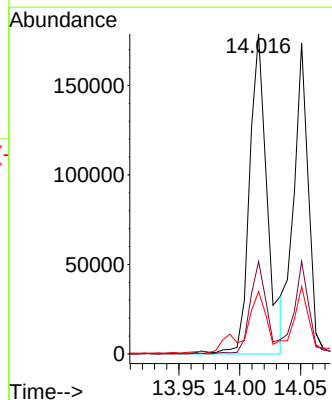
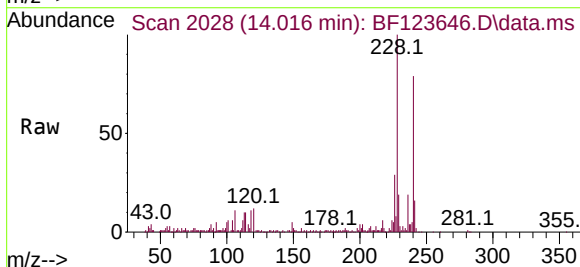
Instrument :
BNA_F
ClientSampleId :
VNPH2-B-10

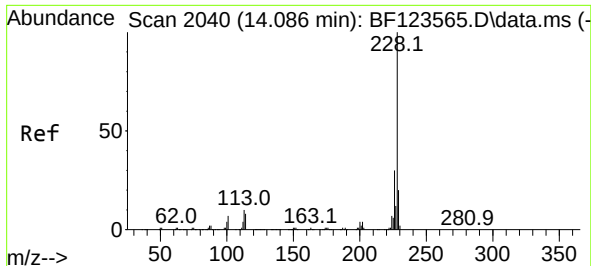
Tgt Ion:244 Resp: 1814310
Ion Ratio Lower Upper
244 100
212 6.9 5.7 8.5
122 9.4 9.7 14.5#



#81
Benzo(a)anthracene
Concen: 4.98 ng
RT: 14.016 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF123646.D
Acq: 20 Apr 2021 16:52

Tgt Ion:228 Resp: 180102
Ion Ratio Lower Upper
228 100
226 28.9 22.4 33.6
229 19.5 16.0 24.0

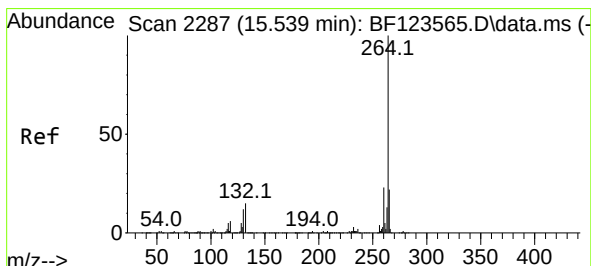
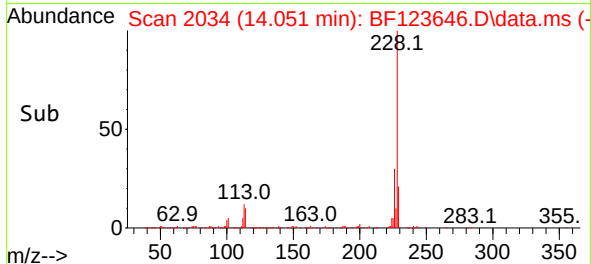
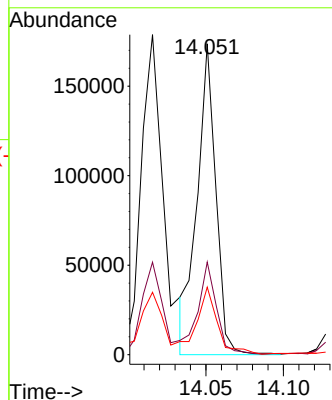
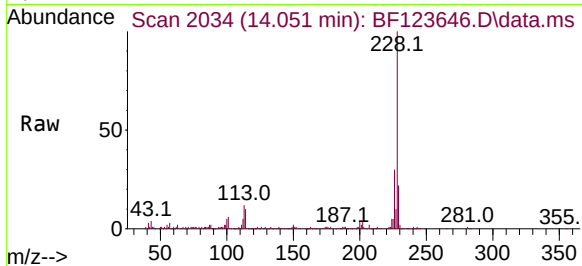




#83
Chrysene
Concen: 4.02 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.012 min
Lab File: BF123646.D
Acq: 20 Apr 2021 16:52

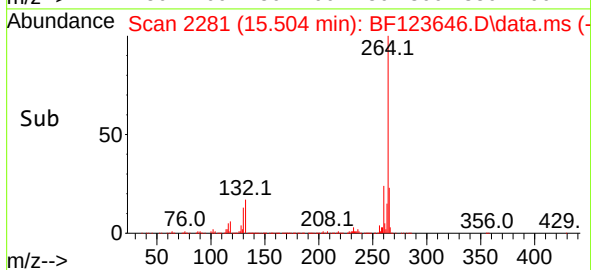
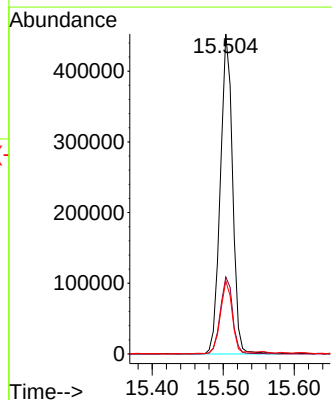
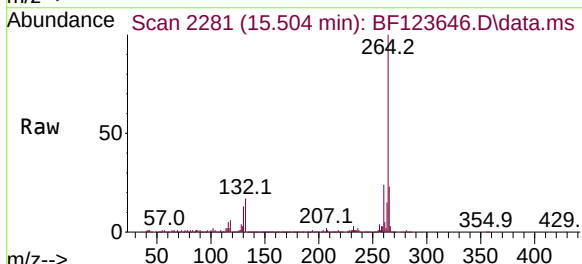
Instrument :
BNA_F
ClientSampleId :
VNPH2-B-10

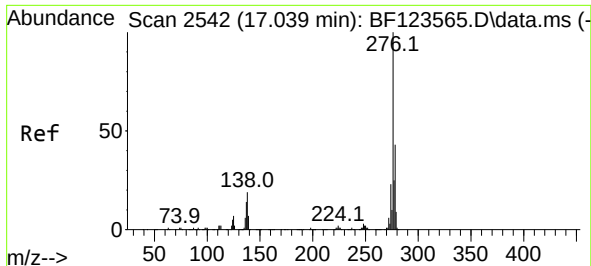
Tgt Ion:228	Resp: 145804
Ion Ratio	Lower Upper
228 100	
226 29.8	24.3 36.5
229 21.7	16.2 24.2



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.504 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF123646.D
Acq: 20 Apr 2021 16:52

Tgt Ion:264	Resp: 539259
Ion Ratio	Lower Upper
264 100	
260 24.0	18.7 28.1
265 22.8	17.8 26.8

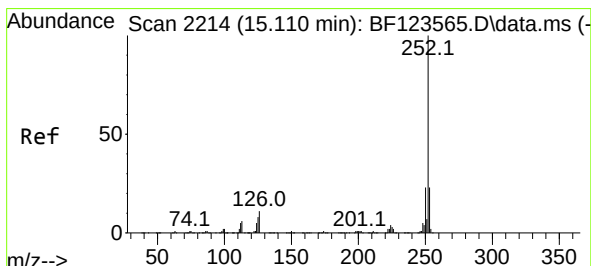
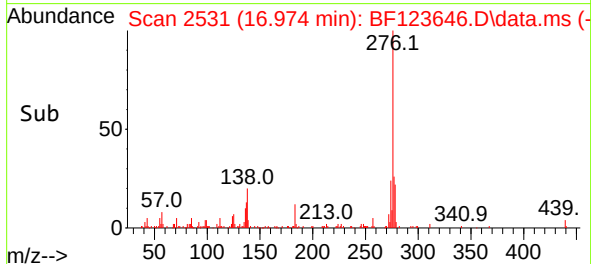
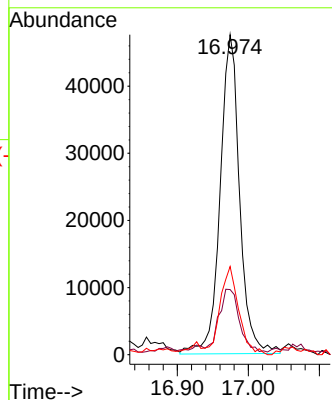
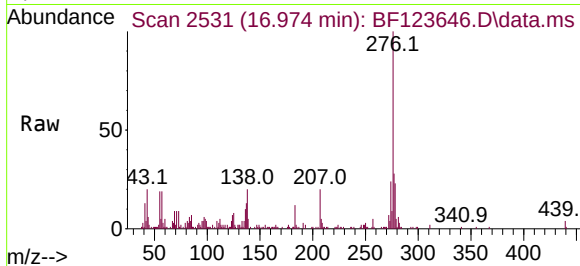




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.15 ng
RT: 16.974 min Scan# 2531
Delta R.T. -0.012 min
Lab File: BF123646.D
Acq: 20 Apr 2021 16:52

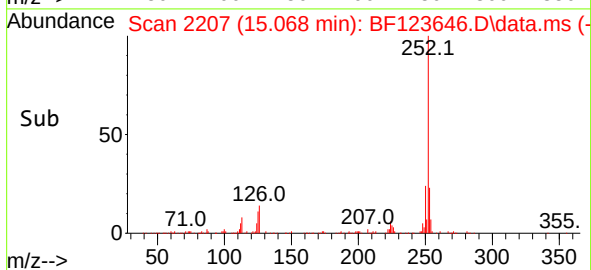
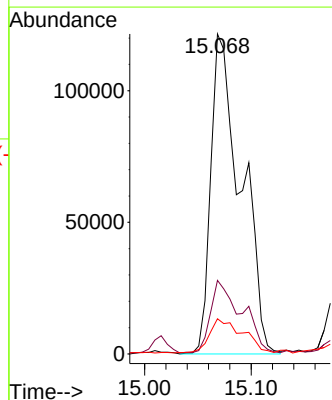
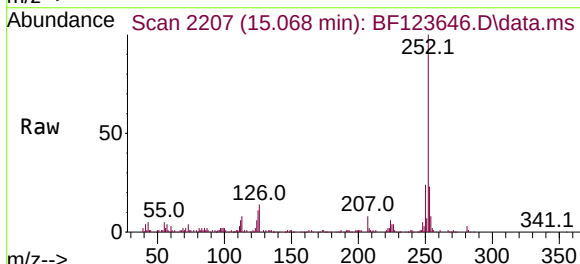
Instrument :
BNA_F
ClientSampleId :
VNPH2-B-10

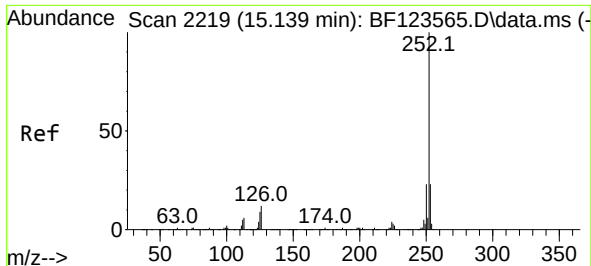
Tgt Ion:276 Resp: 90724
Ion Ratio Lower Upper
276 100
138 21.3 16.2 24.2
277 26.3 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 6.31 ng
RT: 15.068 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BF123646.D
Acq: 20 Apr 2021 16:52

Tgt Ion:252 Resp: 240231
Ion Ratio Lower Upper
252 100
253 23.0 18.1 27.1
125 11.0 6.2 9.4#





#89

Benzo(k)fluoranthene

Concen: 5.66 ng

RT: 15.068 min Scan# 2207

Delta R.T. -0.041 min

Lab File: BF123646.D

Acq: 20 Apr 2021 16:52

Tgt Ion:252 Resp: 240231

Ion Ratio Lower Upper

252 100

253 23.0 17.9 26.9

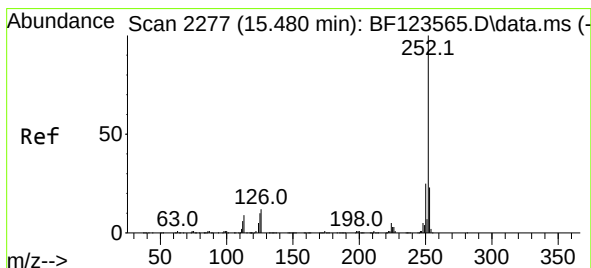
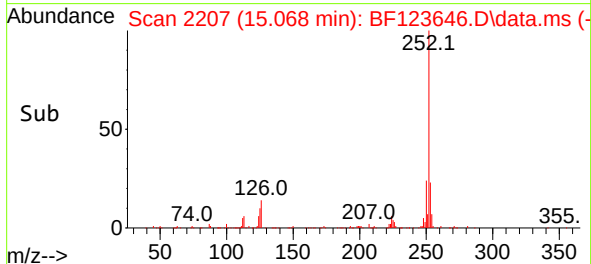
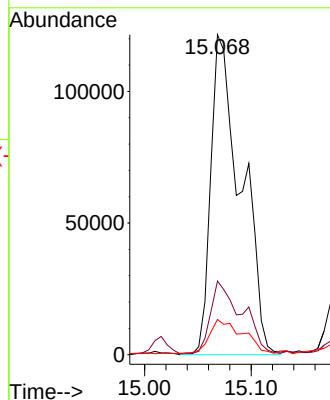
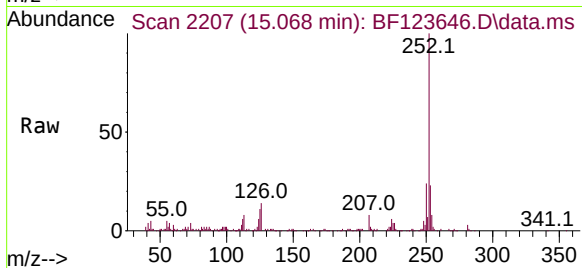
125 11.0 7.0 10.6#

Instrument :

BNA_F

ClientSampleId :

VNPH2-B-10



#90

Benzo(a)pyrene

Concen: 4.17 ng

RT: 15.439 min Scan# 2270

Delta R.T. -0.006 min

Lab File: BF123646.D

Acq: 20 Apr 2021 16:52

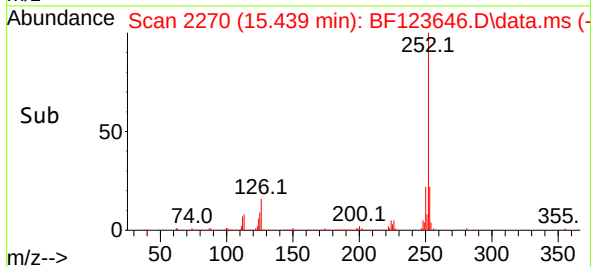
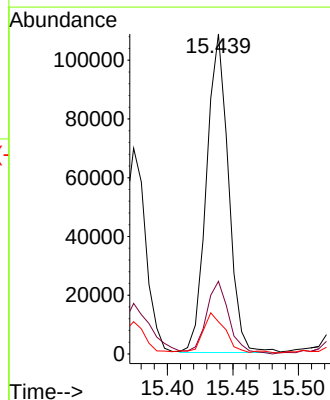
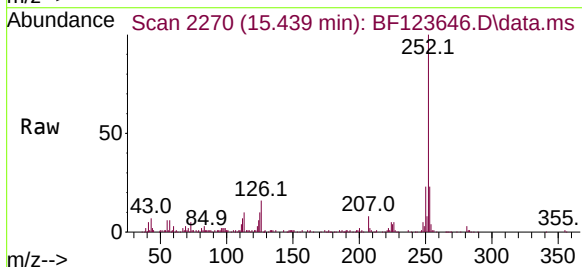
Tgt Ion:252 Resp: 126273

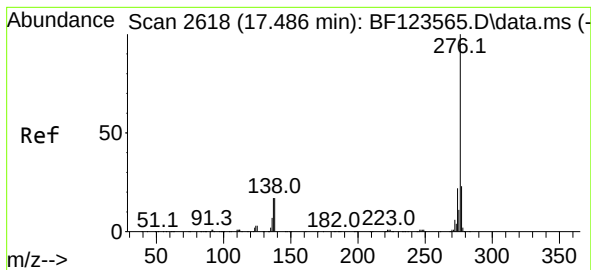
Ion Ratio Lower Upper

252 100

253 22.7 18.4 27.6

125 10.1 8.0 12.0





#92

Benzo(g,h,i)perylene

Concen: 3.70 ng

RT: 17.421 min Scan# 2607

Delta R.T. -0.018 min

Lab File: BF123646.D

Acq: 20 Apr 2021 16:52

Tgt Ion: 276 Resp: 82978

Ion Ratio Lower Upper

276 100

277 21.9 18.2 27.2

138 23.1 13.8 20.6#

Instrument :

BNA_F

ClientSampleId :

VNPH2-B-10

