

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051721\
 Data File : BF123970.D
 Acq On : 17 May 2021 18:49
 Operator : JU/CG
 Sample : M2413-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 124027

Quant Time: May 18 00:57:23 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 14 19:05:57 2021
 Response via : Initial Calibration

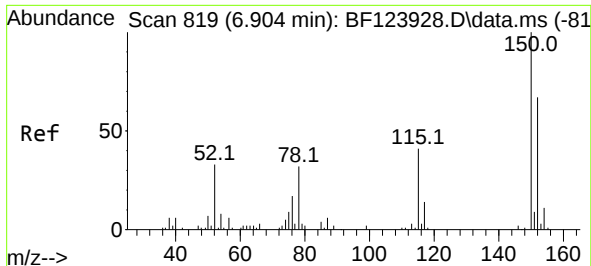
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	38484	20.00	ng	0.00
21) Naphthalene-d8	8.186	136	148727	20.00	ng	# 0.00
39) Acenaphthene-d10	9.939	164	85527	20.00	ng	0.00
64) Phenanthrene-d10	11.427	188	157678	20.00	ng	# 0.00
76) Chrysene-d12	14.068	240	124370	20.00	ng	0.00
86) Perylene-d12	15.562	264	123022	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	233123	85.05	ng	0.00
7) Phenol-d6	6.522	99	300444	84.50	ng	0.00
23) Nitrobenzene-d5	7.463	82	215970	62.57	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	98956	96.33	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	365367	52.57	ng	0.00
79) Terphenyl-d14	13.015	244	373901	45.53	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.463	70	31008	12.91	ng	# 81
25) Isophorone	7.463	82	215966	32.52	ng	# 69
50) Dimethylphthalate	9.651	163	55506	8.13	ng	97
57) 2,4-Dinitrotoluene	9.939	165	10919	6.45	ng	# 17
65) 4,6-Dinitro-2-methylph...	10.722	198	111	5.53	ng	# 1
67) 4-Bromophenyl-phenylether	10.727	248	6769	3.27	ng	# 1
71) Phenanthrene	11.451	178	28203	2.82	ng	96
75) Fluoranthene	12.639	202	37100	3.59	ng	97
77) Benzidine	13.015	184	6249	2.08	ng	# 94
78) Pyrene	12.868	202	34796	3.15	ng	97
84) Bis(2-ethylhexyl)phtha...	14.051	149	16211	2.65	ng	93
88) Benzo(b)fluoranthene	15.115	252	21340	2.24	ng	# 97
89) Benzo(k)fluoranthene	15.115	252	21340	2.46	ng	# 98

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

Quant Time: May 18 00:57:23 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 14 19:05:57 2021
Response via : Initial Calibration

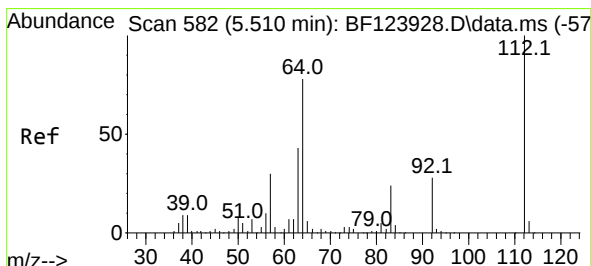
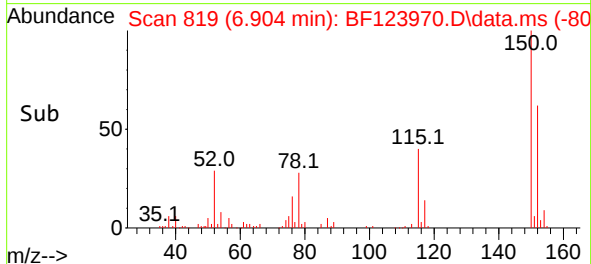
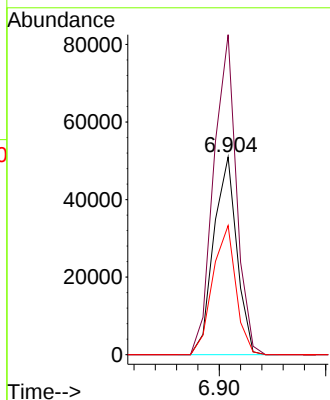
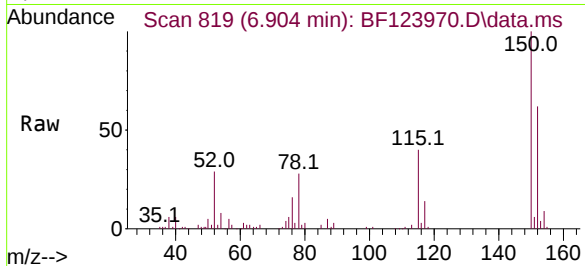




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.904 min Scan# 819
Delta R.T. 0.000 min
Lab File: BF123970.D
Acq: 17 May 2021 18:49

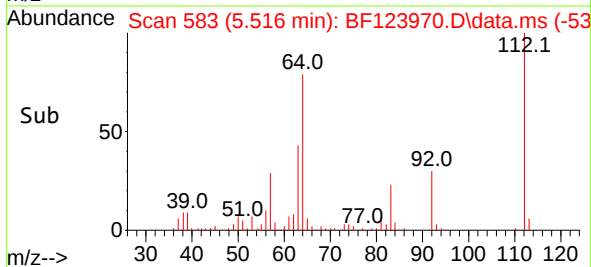
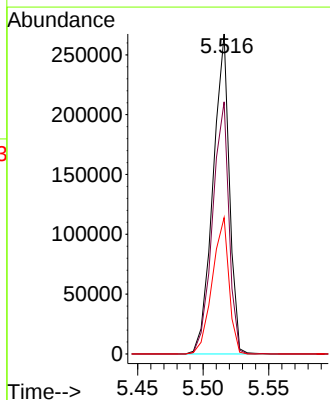
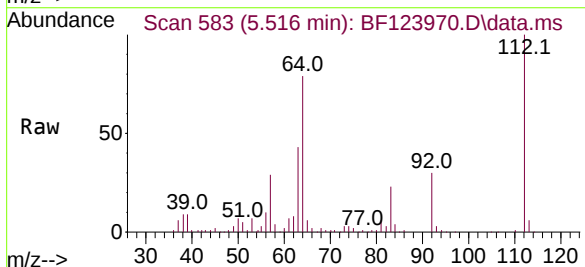
Instrument :
BNA_F
ClientSampleId :
124027

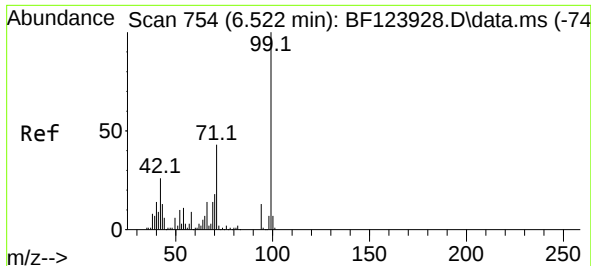
Tgt Ion:152 Resp: 38484
Ion Ratio Lower Upper
152 100
150 161.8 127.0 190.6
115 65.3 54.3 81.5



#5
2-Fluorophenol
Concen: 85.05 ng
RT: 5.516 min Scan# 583
Delta R.T. 0.006 min
Lab File: BF123970.D
Acq: 17 May 2021 18:49

Tgt Ion:112 Resp: 233123
Ion Ratio Lower Upper
112 100
64 78.8 61.4 92.0
63 42.6 33.0 49.4

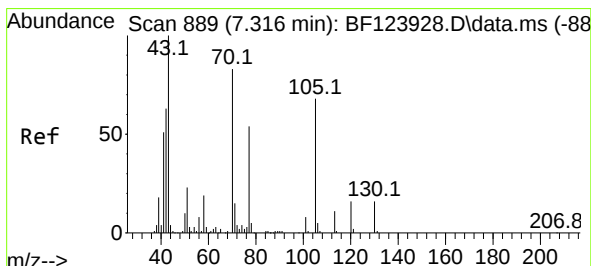
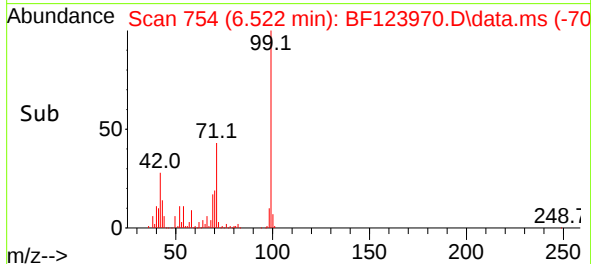
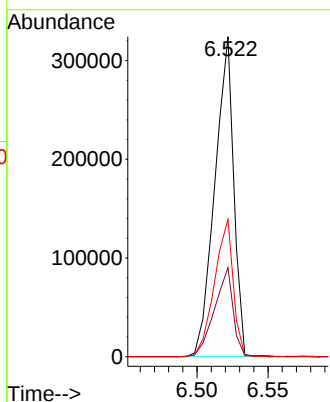
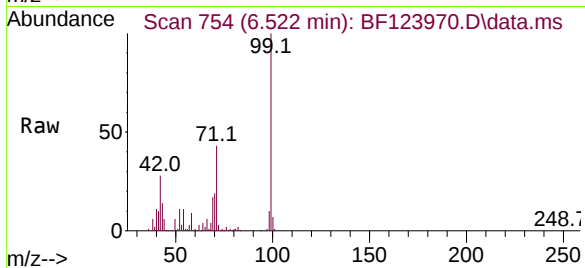




#7
Phenol-d6
Concen: 84.50 ng
RT: 6.522 min Scan# 754
Delta R.T. -0.000 min
Lab File: BF123970.D
Acq: 17 May 2021 18:49

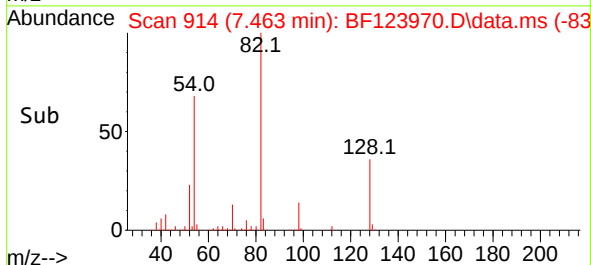
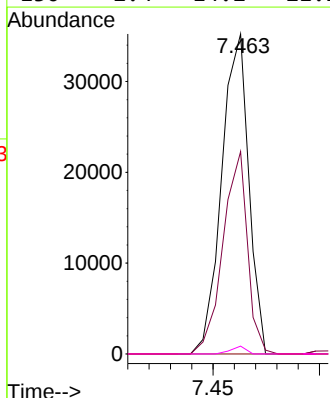
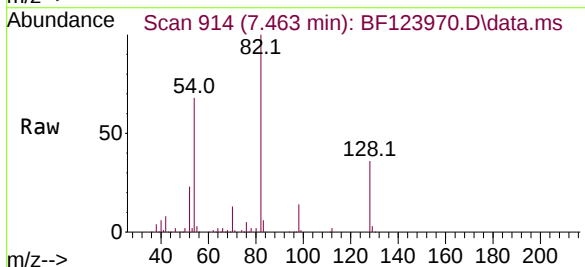
Instrument :
BNA_F
ClientSampleId :
124027

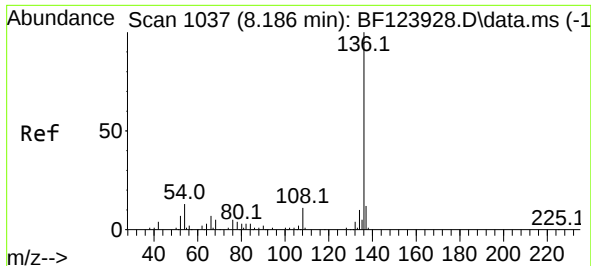
Tgt Ion: 99 Resp: 300444
Ion Ratio Lower Upper
99 100
42 27.8 19.8 29.8
71 42.9 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 12.91 ng
RT: 7.463 min Scan# 914
Delta R.T. 0.147 min
Lab File: BF123970.D
Acq: 17 May 2021 18:49

Tgt Ion: 70 Resp: 31008
Ion Ratio Lower Upper
70 100
42 63.3 60.1 90.1
101 0.0 7.4 11.2#
130 2.4 14.2 21.2#

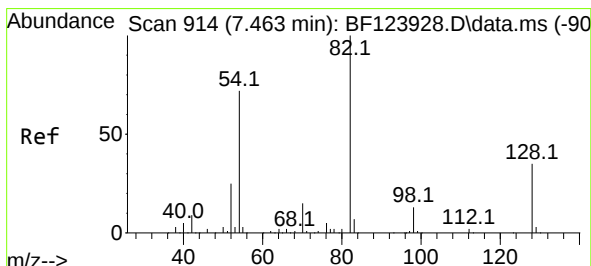
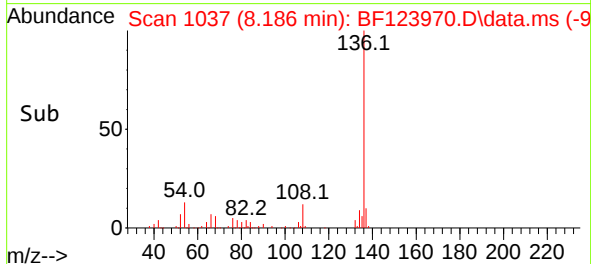
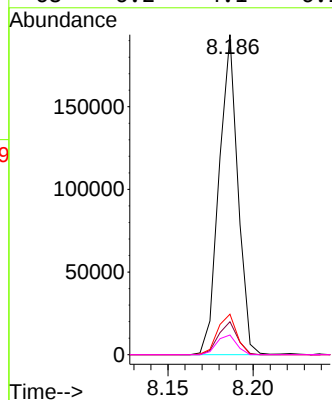
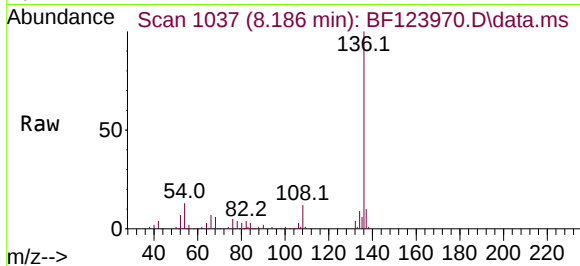




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.186 min Scan# 1037
Delta R.T. 0.000 min
Lab File: BF123970.D
Acq: 17 May 2021 18:49

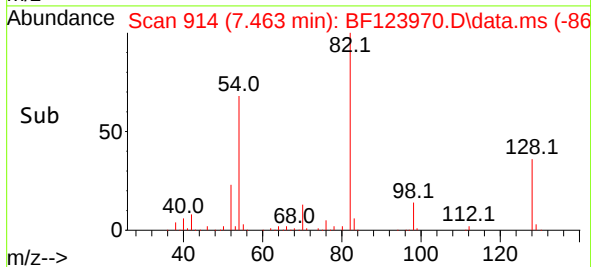
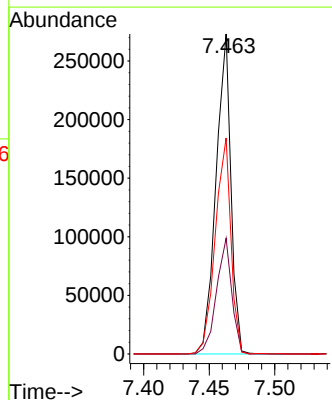
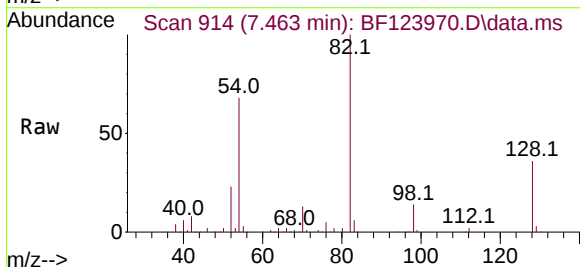
Instrument :
BNA_F
ClientSampleId :
124027

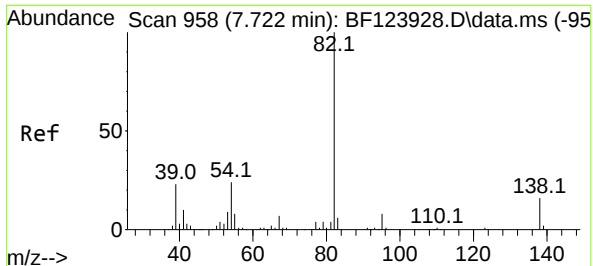
Tgt Ion:	136	Resp:	148727
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.7	13.1
54	12.6	9.8	14.6
68	6.2	4.1	6.1



#23
Nitrobenzene-d5
Concen: 62.57 ng
RT: 7.463 min Scan# 914
Delta R.T. 0.000 min
Lab File: BF123970.D
Acq: 17 May 2021 18:49

Tgt Ion:	82	Resp:	215970
Ion	Ratio	Lower	Upper
82	100		
128	36.2	29.4	44.2
54	67.5	54.1	81.1

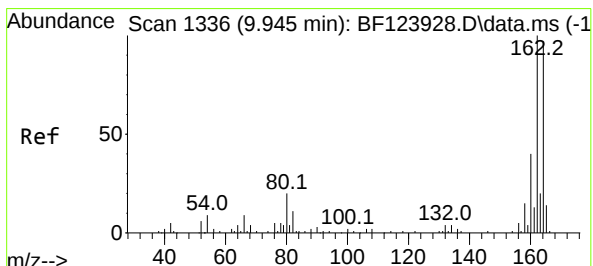
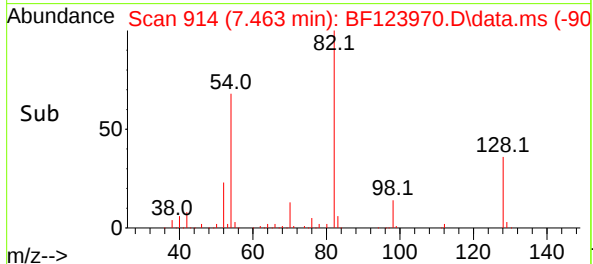
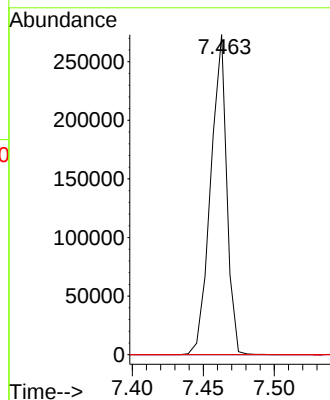
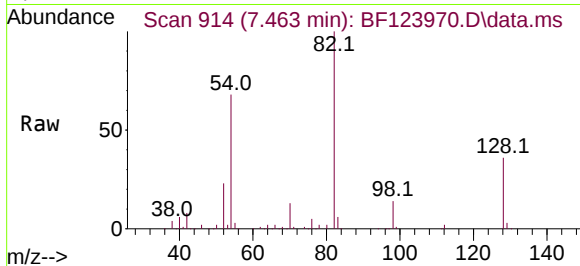




#25
Isophorone
Concen: 32.52 ng
RT: 7.463 min Scan# 914
Delta R.T. -0.259 min
Lab File: BF123970.D
Acq: 17 May 2021 18:49

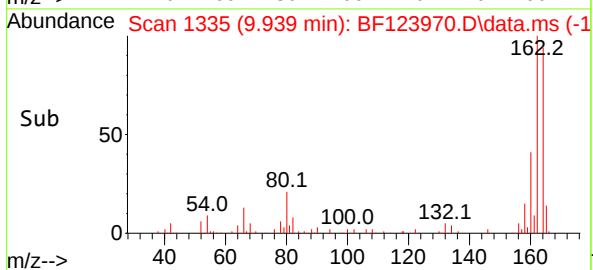
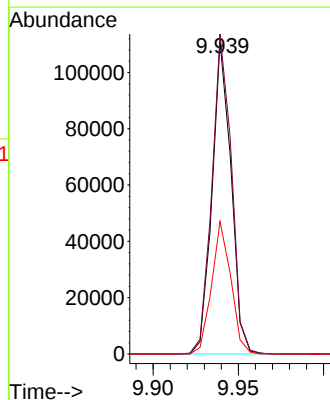
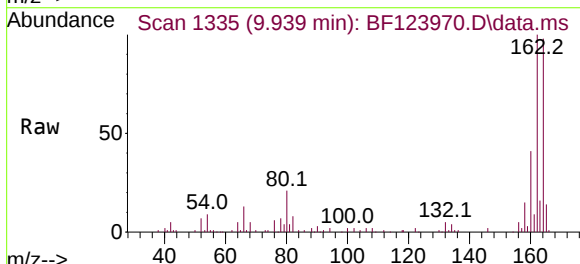
Instrument :
BNA_F
ClientSampleId :
124027

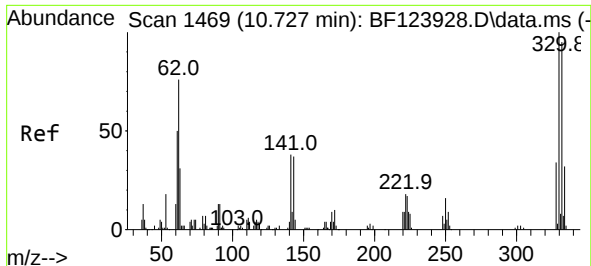
Tgt Ion: 82 Resp: 215966
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.939 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF123970.D
Acq: 17 May 2021 18:49

Tgt Ion: 164 Resp: 85527
Ion Ratio Lower Upper
164 100
162 102.3 80.7 121.1
160 42.4 37.3 55.9

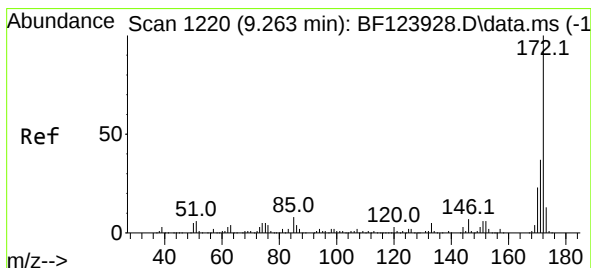
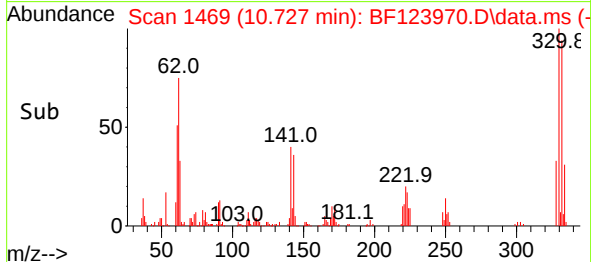
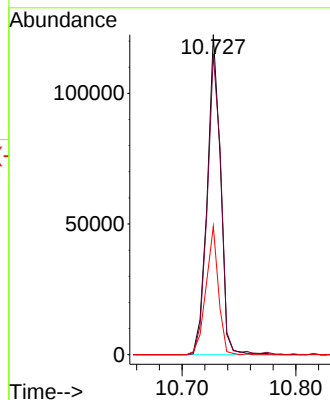
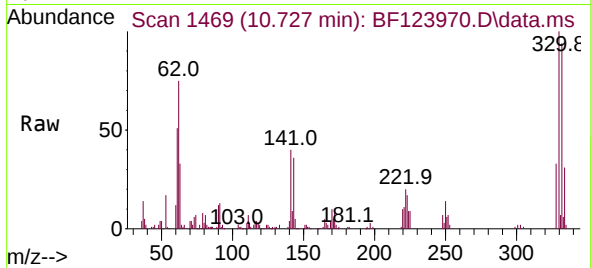




#42
2,4,6-Tribromophenol
Concen: 96.33 ng
RT: 10.727 min Scan# 1469
Delta R.T. 0.000 min
Lab File: BF123970.D
Acq: 17 May 2021 18:49

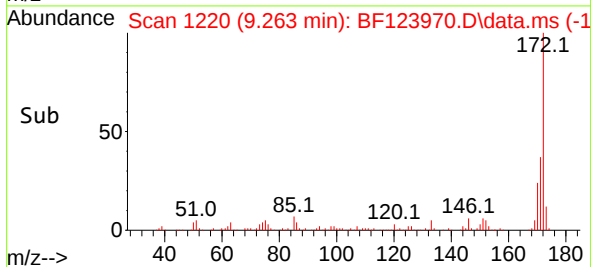
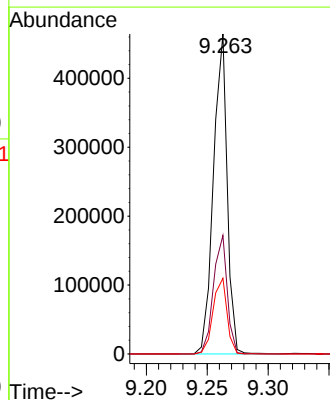
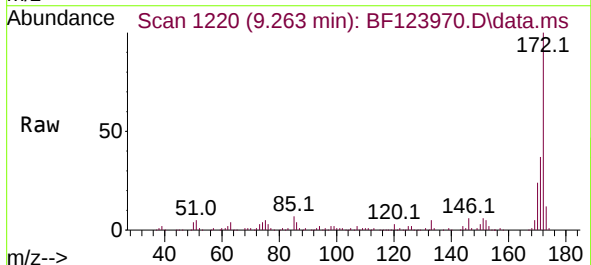
Instrument :
BNA_F
ClientSampleId :
124027

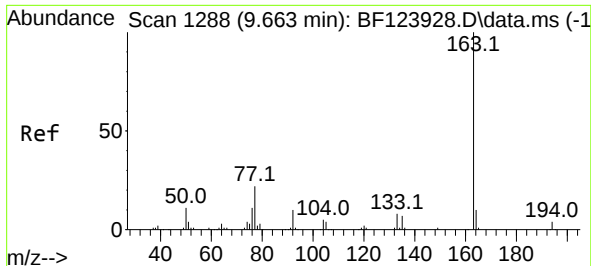
Tgt Ion: 330 Resp: 98956
Ion Ratio Lower Upper
330 100
332 96.8 77.1 115.7
141 37.6 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 52.57 ng
RT: 9.263 min Scan# 1220
Delta R.T. 0.000 min
Lab File: BF123970.D
Acq: 17 May 2021 18:49

Tgt Ion: 172 Resp: 365367
Ion Ratio Lower Upper
172 100
171 37.1 28.1 42.1
170 23.7 19.2 28.8

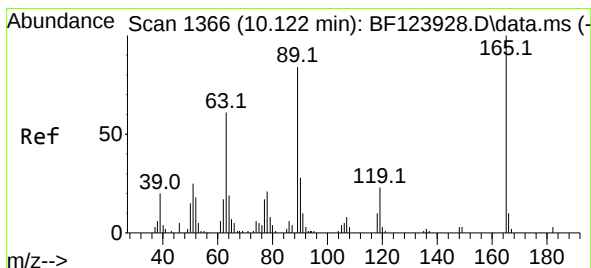
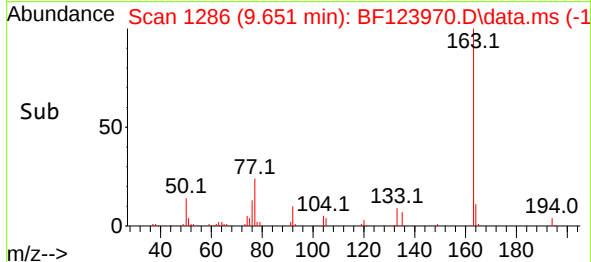
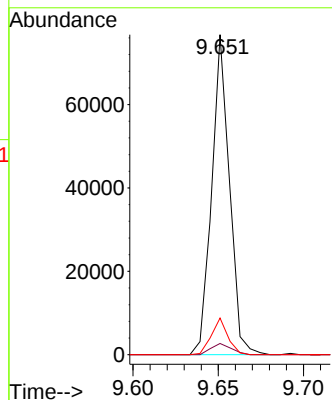
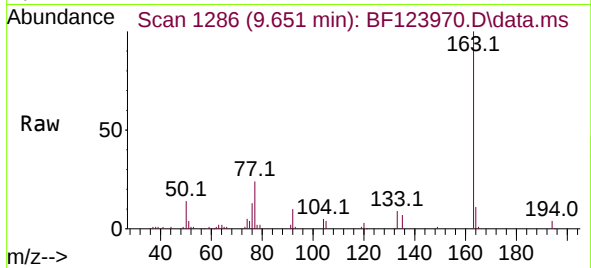




#50
Dimethylphthalate
Concen: 8.13 ng
RT: 9.651 min Scan# 1286
Delta R.T. -0.012 min
Lab File: BF123970.D
Acq: 17 May 2021 18:49

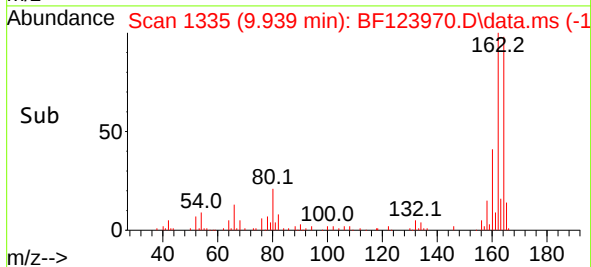
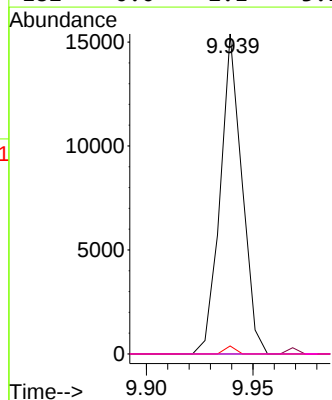
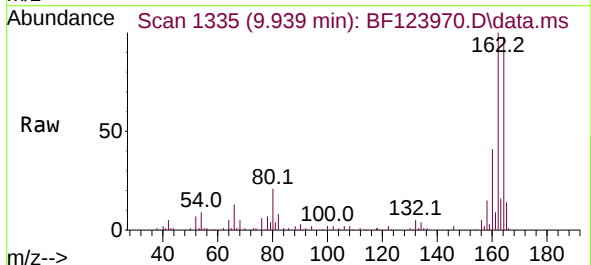
Instrument :
BNA_F
ClientSampleId :
124027

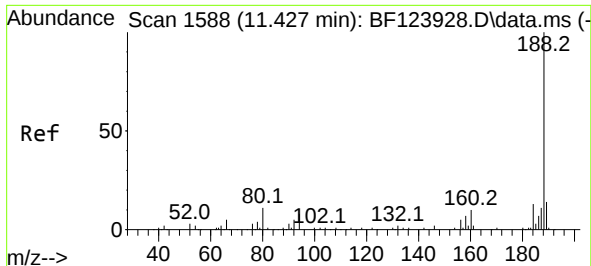
Tgt Ion:163 Resp: 55506
Ion Ratio Lower Upper
163 100
194 3.5 3.1 4.7
164 11.4 8.2 12.2



#57
2,4-Dinitrotoluene
Concen: 6.45 ng
RT: 9.939 min Scan# 1335
Delta R.T. -0.182 min
Lab File: BF123970.D
Acq: 17 May 2021 18:49

Tgt Ion:165 Resp: 10919
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 2.5 67.7 101.5#
182 0.0 2.1 3.1#

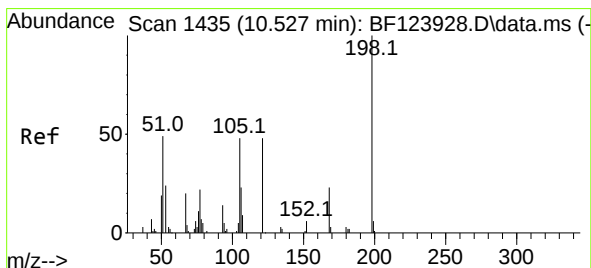
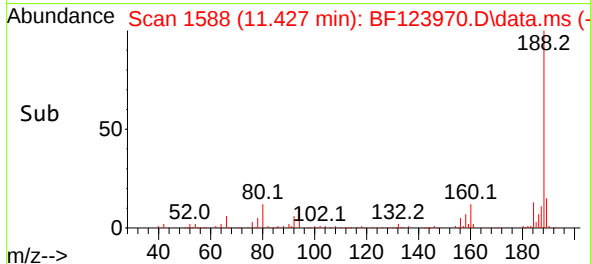
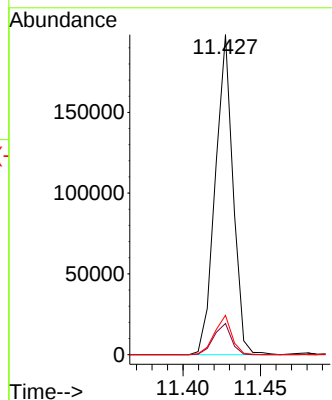
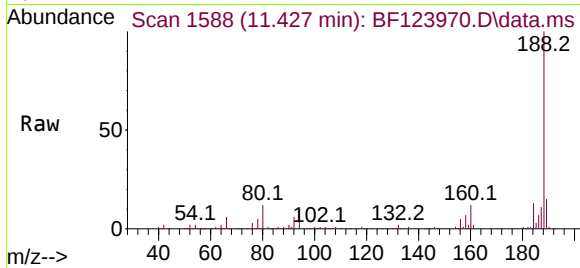




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.427 min Scan# 1588
Delta R.T. 0.000 min
Lab File: BF123970.D
Acq: 17 May 2021 18:49

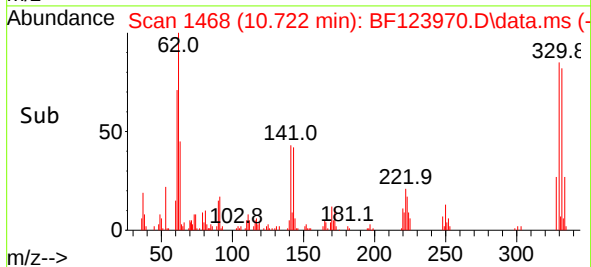
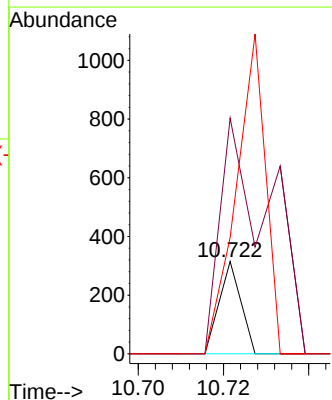
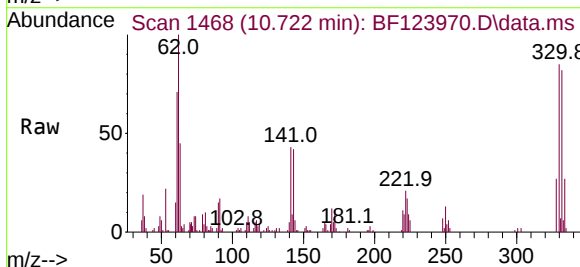
Instrument :
BNA_F
ClientSampleId :
124027

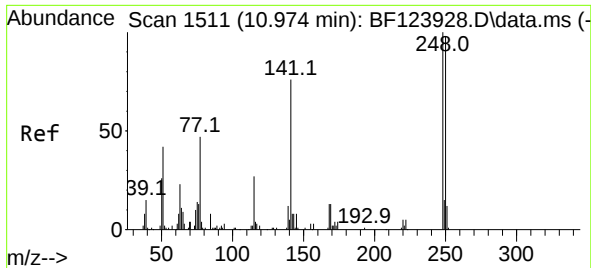
Tgt Ion:188 Resp: 157678
Ion Ratio Lower Upper
188 100
94 9.8 6.9 10.3
80 12.3 8.2 12.2#



#65
4,6-Dinitro-2-methylphenol
Concen: 5.53 ng
RT: 10.722 min Scan# 1468
Delta R.T. 0.195 min
Lab File: BF123970.D
Acq: 17 May 2021 18:49

Tgt Ion:198 Resp: 111
Ion Ratio Lower Upper
198 100
51 254.9 64.8 104.8#
105 125.7 42.6 82.6#

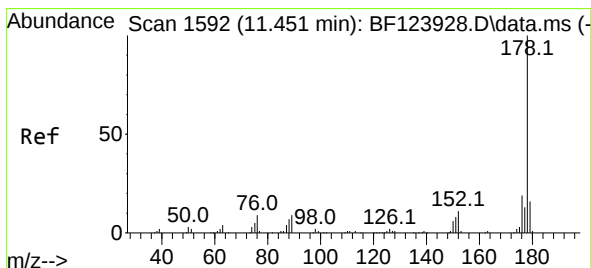
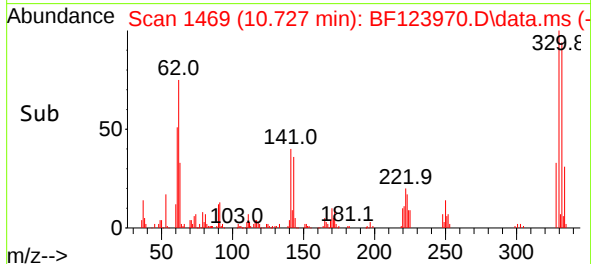
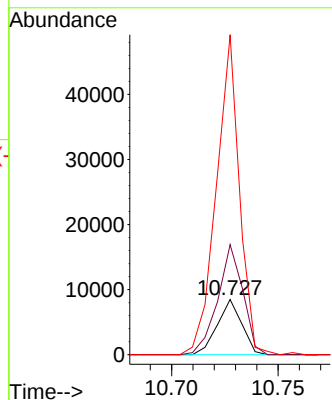
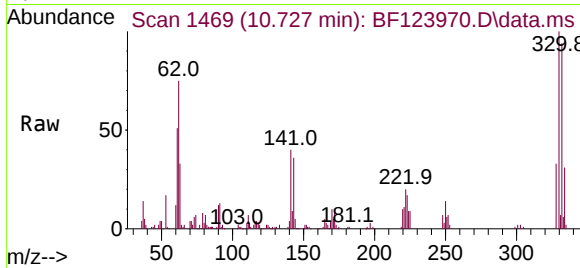




#67
4-Bromophenyl-phenylether
Concen: 3.27 ng
RT: 10.727 min Scan# 1469
Delta R.T. -0.247 min
Lab File: BF123970.D
Acq: 17 May 2021 18:49

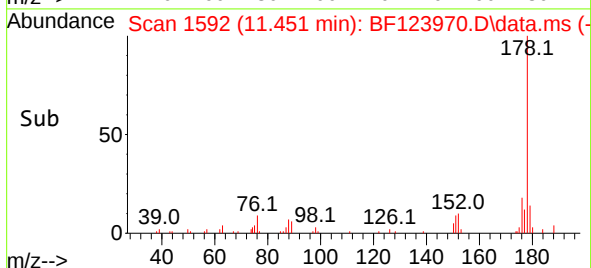
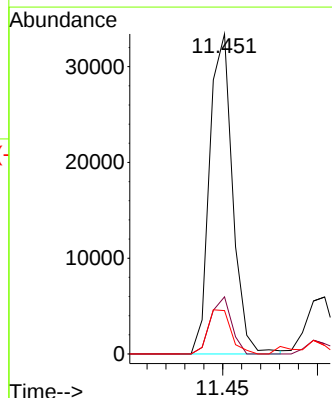
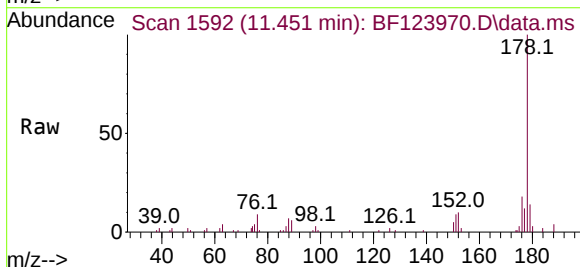
Instrument :
BNA_F
ClientSampleId :
124027

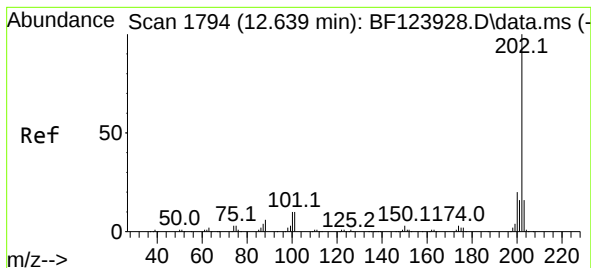
Tgt Ion:248 Resp: 6769
Ion Ratio Lower Upper
248 100
250 199.2 77.4 116.2#
141 579.4 63.7 95.5#



#71
Phenanthrene
Concen: 2.82 ng
RT: 11.451 min Scan# 1592
Delta R.T. 0.000 min
Lab File: BF123970.D
Acq: 17 May 2021 18:49

Tgt Ion:178 Resp: 28203
Ion Ratio Lower Upper
178 100
176 17.9 15.6 23.4
179 13.6 12.5 18.7

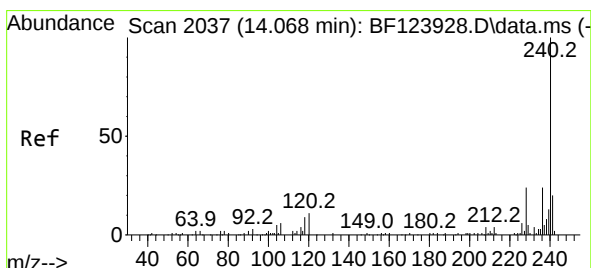
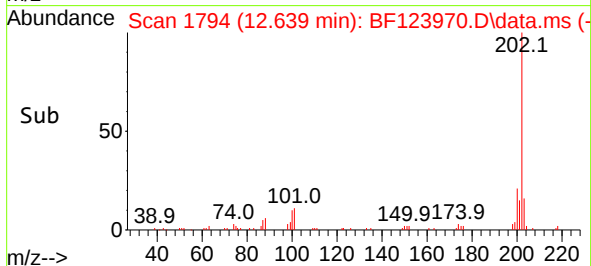
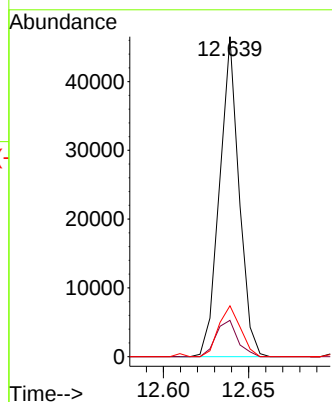
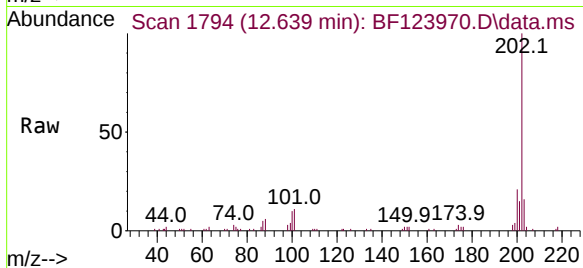




#75
Fluoranthene
Concen: 3.59 ng
RT: 12.639 min Scan# 1794
Delta R.T. -0.000 min
Lab File: BF123970.D
Acq: 17 May 2021 18:49

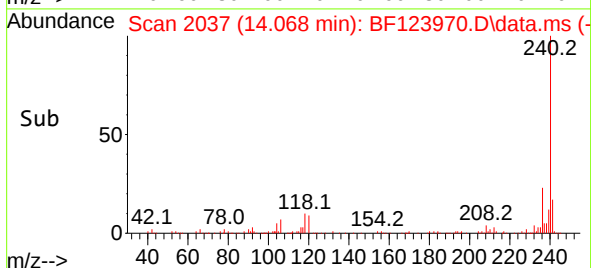
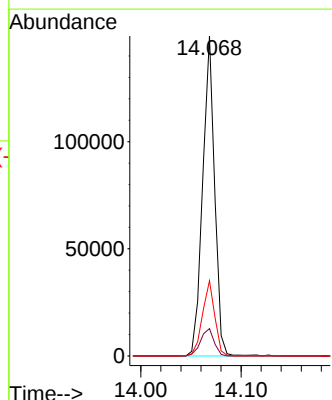
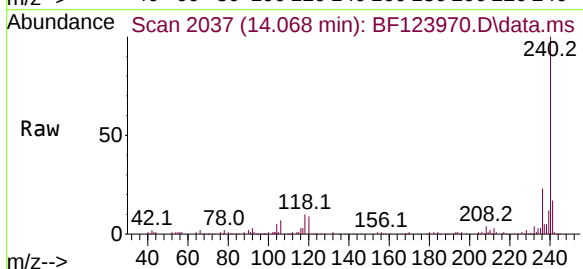
Instrument :
BNA_F
ClientSampleId :
124027

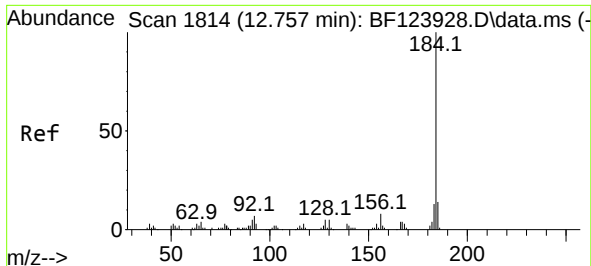
Tgt Ion:202 Resp: 37100
Ion Ratio Lower Upper
202 100
101 11.3 0.0 30.9
203 15.9 0.0 37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.068 min Scan# 2037
Delta R.T. 0.000 min
Lab File: BF123970.D
Acq: 17 May 2021 18:49

Tgt Ion:240 Resp: 124370
Ion Ratio Lower Upper
240 100
120 8.6 7.2 10.8
236 23.5 19.0 28.4

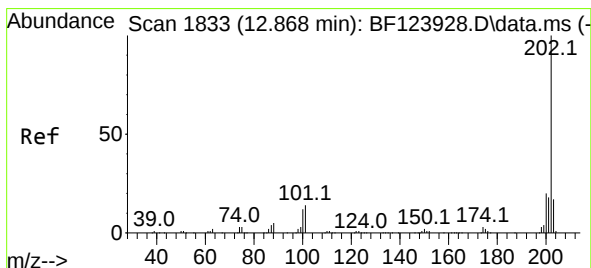
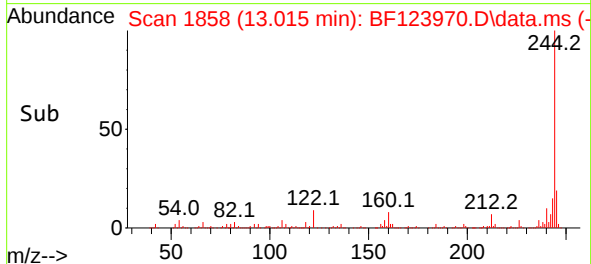
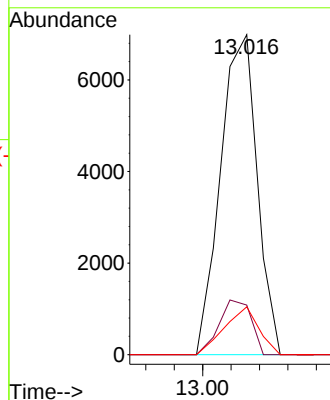
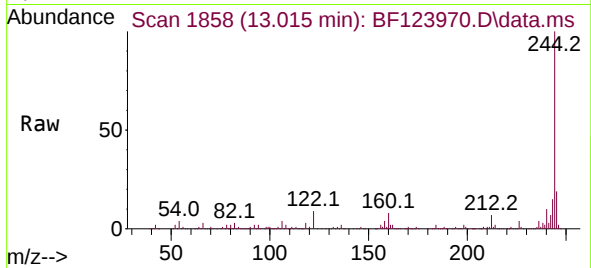




#77
Benzidine
Concen: 2.08 ng
RT: 13.015 min Scan# 1858
Delta R.T. 0.259 min
Lab File: BF123970.D
Acq: 17 May 2021 18:49

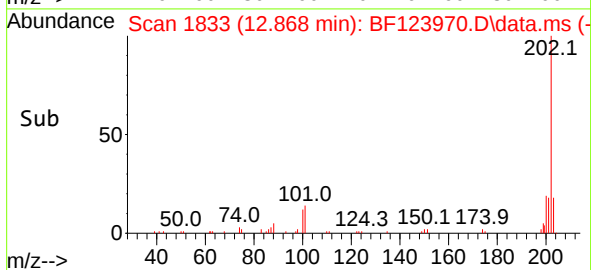
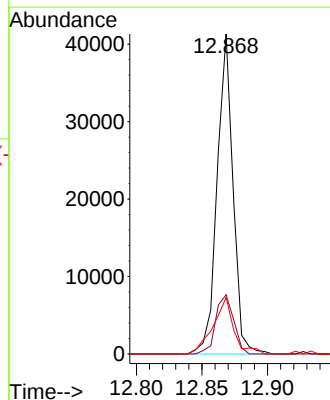
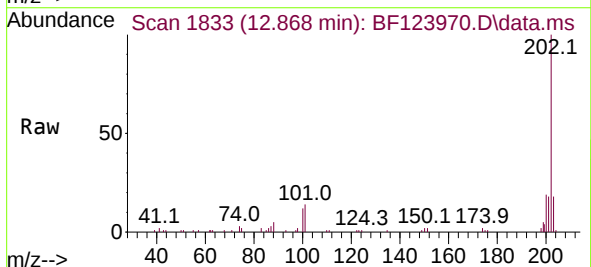
Instrument :
BNA_F
ClientSampleId :
124027

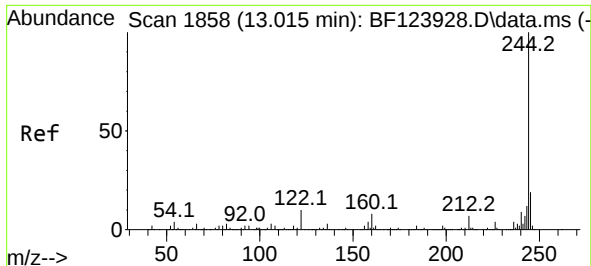
Tgt Ion:184 Resp: 6249
Ion Ratio Lower Upper
184 100
185 15.5 12.1 18.1
183 14.9 7.8 11.8#



#78
Pyrene
Concen: 3.15 ng
RT: 12.868 min Scan# 1833
Delta R.T. 0.000 min
Lab File: BF123970.D
Acq: 17 May 2021 18:49

Tgt Ion:202 Resp: 34796
Ion Ratio Lower Upper
202 100
200 18.5 16.1 24.1
203 17.7 14.8 22.2

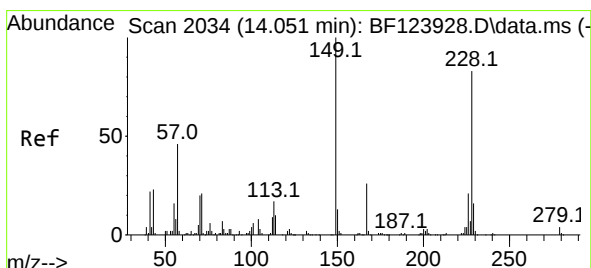
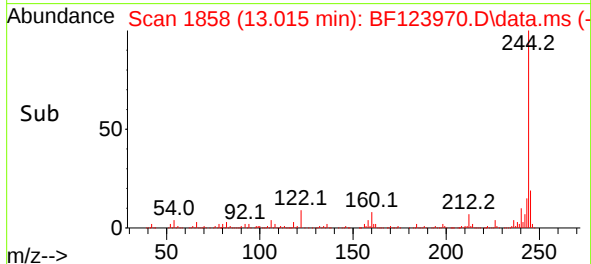
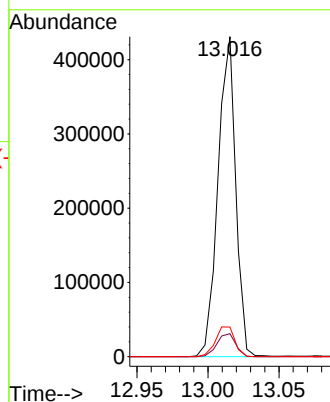
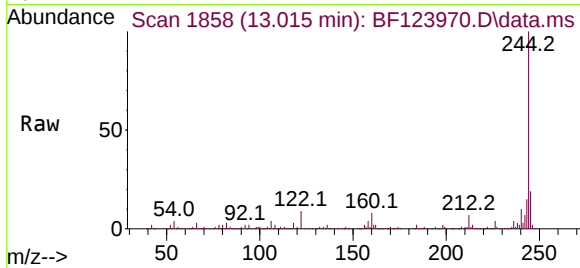




#79
 Terphenyl-d14
 Concen: 45.53 ng
 RT: 13.015 min Scan# 1858
 Delta R.T. 0.000 min
 Lab File: BF123970.D
 Acq: 17 May 2021 18:49

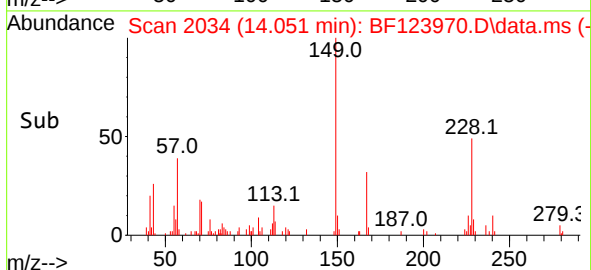
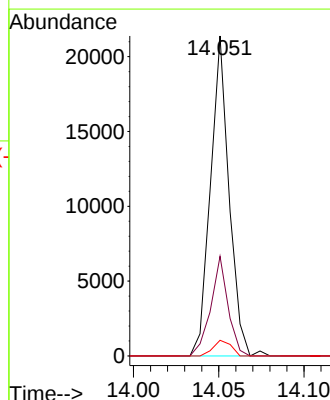
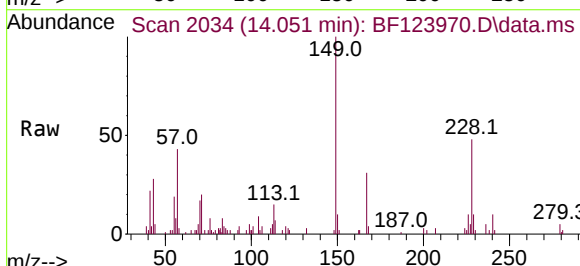
Instrument :
 BNA_F
 ClientSampleId :
 124027

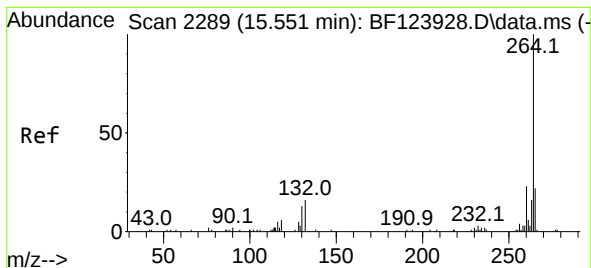
Tgt Ion:244 Resp: 373901
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.7 8.5
 122 9.2 9.7 14.5#



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.65 ng
 RT: 14.051 min Scan# 2034
 Delta R.T. 0.000 min
 Lab File: BF123970.D
 Acq: 17 May 2021 18:49

Tgt Ion:149 Resp: 16211
 Ion Ratio Lower Upper
 149 100
 167 31.2 21.8 32.6
 279 4.9 3.3 4.9

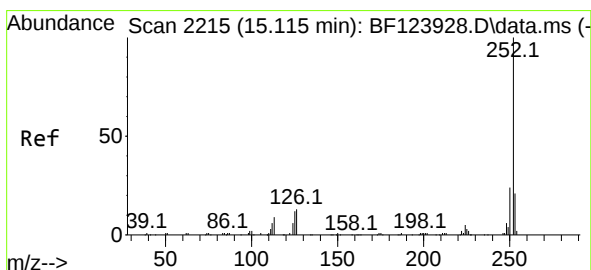
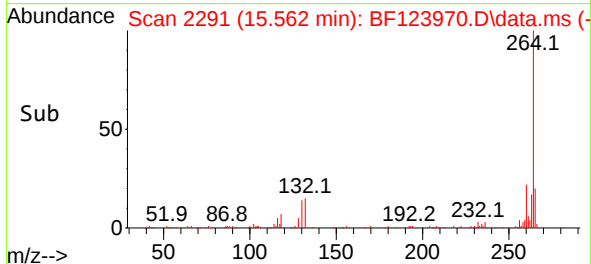
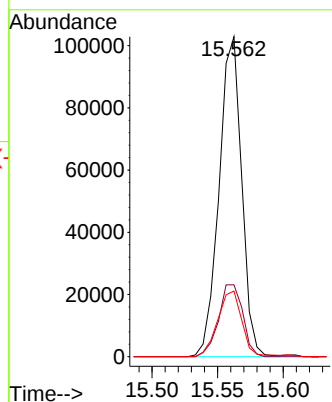
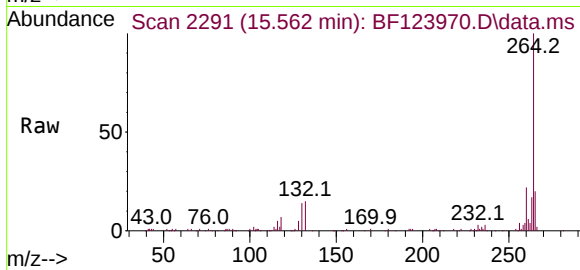




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.562 min Scan# 2291
Delta R.T. 0.012 min
Lab File: BF123970.D
Acq: 17 May 2021 18:49

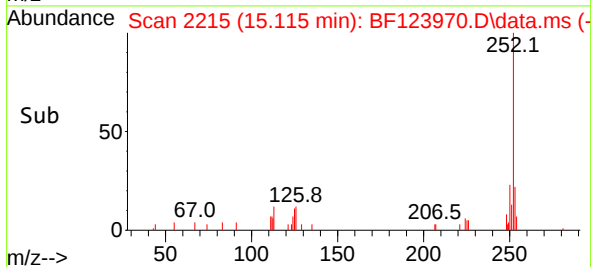
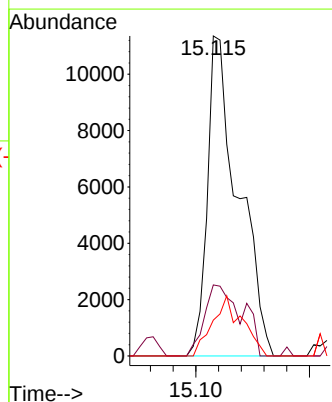
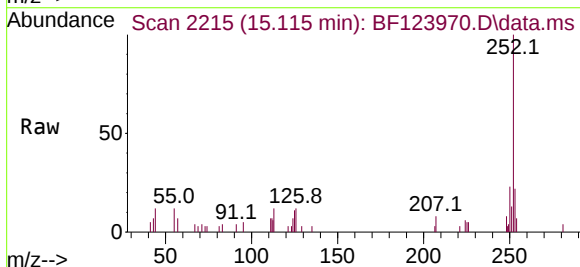
Instrument :
BNA_F
ClientSampleId :
124027

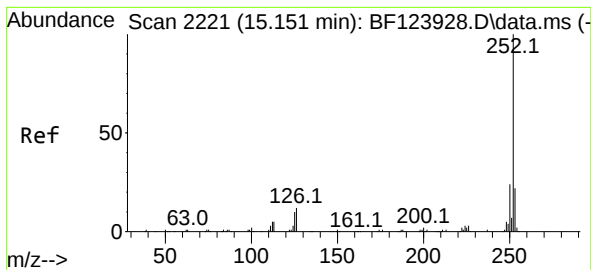
Tgt Ion:264 Resp: 123022
Ion Ratio Lower Upper
264 100
260 22.4 18.7 28.1
265 20.5 17.8 26.8



#88
Benzo(b)fluoranthene
Concen: 2.24 ng
RT: 15.115 min Scan# 2215
Delta R.T. 0.000 min
Lab File: BF123970.D
Acq: 17 May 2021 18:49

Tgt Ion:252 Resp: 21340
Ion Ratio Lower Upper
252 100
253 22.2 18.1 27.1
125 11.2 6.2 9.4#





#89

Benzo(k)fluoranthene

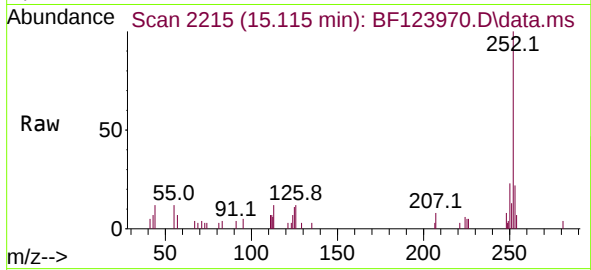
Concen: 2.46 ng

RT: 15.115 min Scan# 2215

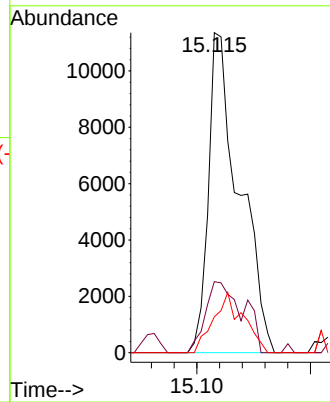
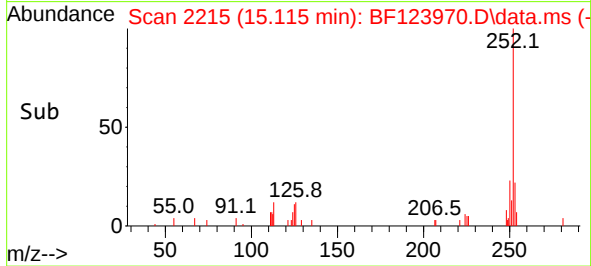
Delta R.T. -0.035 min

Lab File: BF123970.D

Acq: 17 May 2021 18:49



Tgt Ion:	252	Resp:	21340
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.9	26.9
125	11.2	7.0	10.6#



Instrument :
BNA_F
ClientSampleId :
124027