

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101320\
 Data File : BF121941.D
 Acq On : 13 Oct 2020 16:42
 Operator : JU/CG
 Sample : L4369-10
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-5

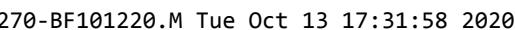
Quant Time: Oct 13 17:31:48 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 12 16:22:33 2020
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	101537	20.00	ng	0.00
21) Naphthalene-d8	8.028	136	385252	20.00	ng	0.00
39) Acenaphthene-d10	9.775	164	184771	20.00	ng	-0.01
64) Phenanthrene-d10	11.263	188	318254	20.00	ng	-0.01
76) Chrysene-d12	13.904	240	259885	20.00	ng	-0.01
86) Perylene-d12	15.339	264	260456	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	580317	84.35	ng	0.00
7) Phenol-d6	6.387	99	730779	82.52	ng	-0.01
23) Nitrobenzene-d5	7.310	82	492900	65.62	ng	-0.01
42) 2,4,6-Tribromophenol	10.569	330	185122	80.99	ng	-0.01
45) 2-Fluorobiphenyl	9.098	172	799735	63.68	ng	-0.01
79) Terphenyl-d14	12.845	244	676514	49.61	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.387	77	1005	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	7.310	70	64760	12.84	ng	# 78
25) Isophorone	7.310	82	487152	34.30	ng	# 67
49) Acenaphthylene	9.639	152	60978	3.40	ng	98
50) Dimethylphthalate	9.498	163	142047	10.51	ng	99
65) 4,6-Dinitro-2-methylph...	10.563	198	286	4.55	ng	# 1
67) 4-Bromophenyl-phenylether	10.569	248	11068	3.01	ng	# 1
71) Phenanthrene	11.286	178	66337	3.80	ng	99
75) Fluoranthene	12.475	202	89458	4.78	ng	98
78) Pyrene	12.704	202	115234	5.82	ng	97
81) Benzo(a)anthracene	13.892	228	54758	3.22	ng	# 72
83) Chrysene	13.927	228	59655	3.57	ng	# 93
87) Indeno(1,2,3-cd)pyrene	16.745	276	41359	2.45	ng	96
88) Benzo(b)fluoranthene	14.927	252	87395	4.96	ng	# 94
89) Benzo(k)fluoranthene	14.927	252	87395	5.23	ng	# 93
90) Benzo(a)pyrene	15.274	252	58809	3.87	ng	# 94
92) Benzo(g,h,i)perylene	17.168	276	52490	3.77	ng	98

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

Quant Time: Oct 13 17:31:48 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 12 16:22:33 2020
Response via : Initial Calibration

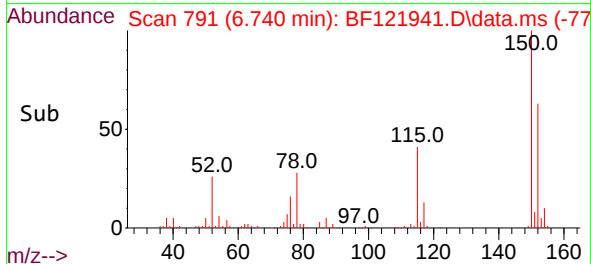
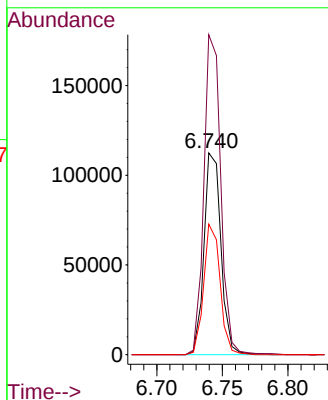
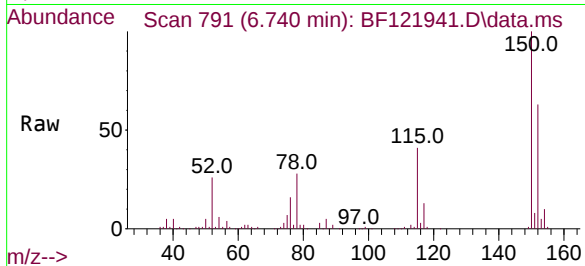




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.740 min Scan# 791
Delta R.T. -0.005 min
Lab File: BF121941.D
Acq: 13 Oct 2020 16:42

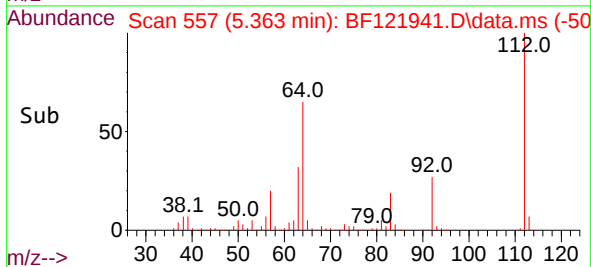
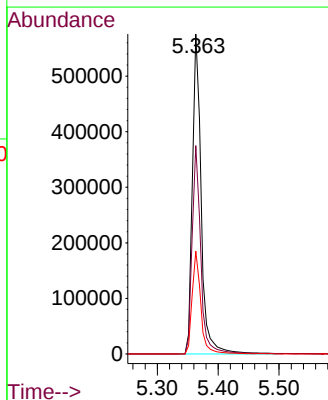
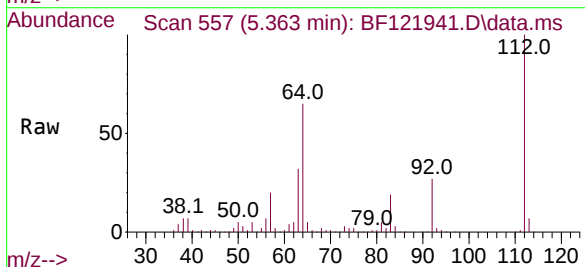
Instrument :
BNA_F
ClientSampleId :
HD-5

Tgt Ion:152 Resp: 101537
Ion Ratio Lower Upper
152 100
150 158.6 125.3 187.9
115 64.7 51.9 77.9



#5
2-Fluorophenol
Concen: 84.35 ng
RT: 5.363 min Scan# 557
Delta R.T. 0.000 min
Lab File: BF121941.D
Acq: 13 Oct 2020 16:42

Tgt Ion:112 Resp: 580317
Ion Ratio Lower Upper
112 100
64 65.1 50.4 75.6
63 32.1 25.8 38.6

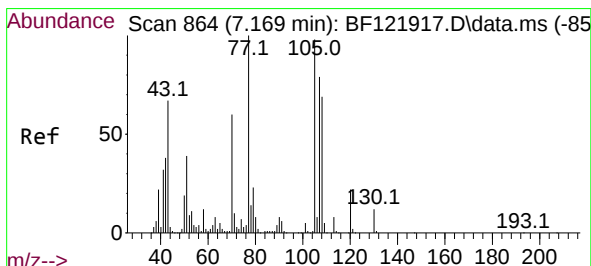
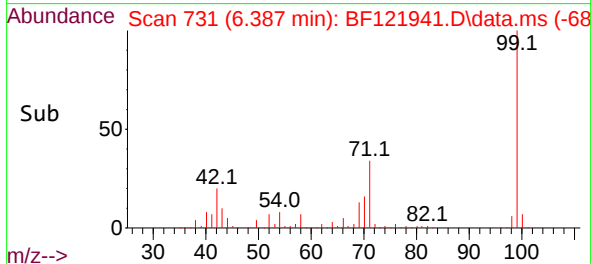
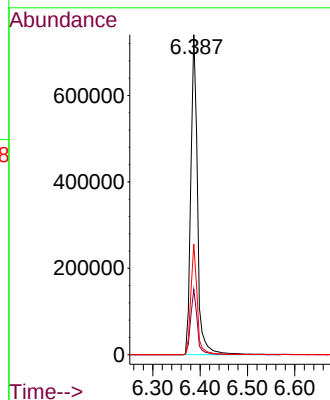
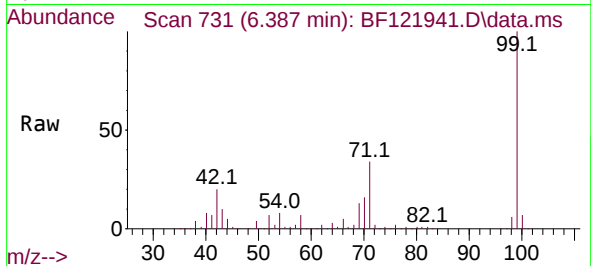




#7
Phenol-d6
Concen: 82.52 ng
RT: 6.387 min Scan# 731
Delta R.T. -0.012 min
Lab File: BF121941.D
Acq: 13 Oct 2020 16:42

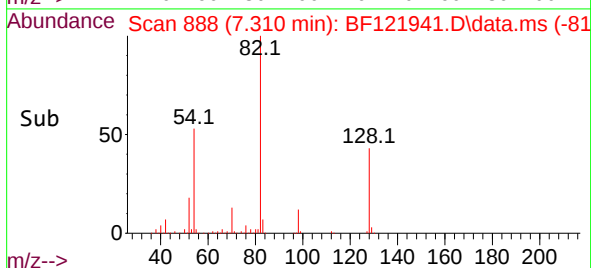
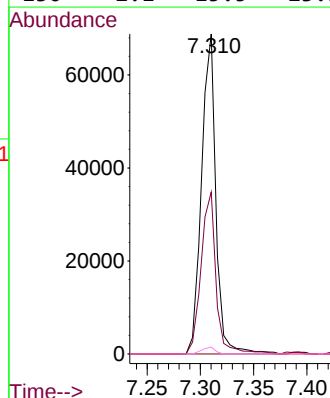
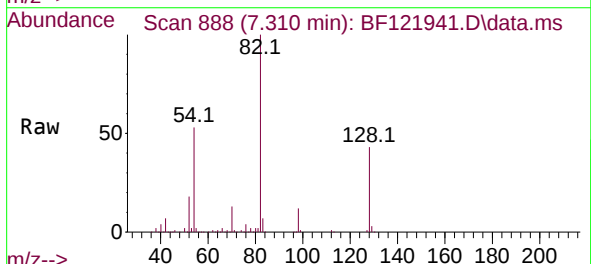
Instrument :
BNA_F
ClientSampleId :
HD-5

Tgt Ion: 99 Resp: 730779
Ion Ratio Lower Upper
99 100
42 20.4 15.9 23.9
71 34.5 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 12.84 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.141 min
Lab File: BF121941.D
Acq: 13 Oct 2020 16:42

Tgt Ion: 70 Resp: 64760
Ion Ratio Lower Upper
70 100
42 50.6 50.2 75.4
101 0.0 7.5 11.3#
130 2.1 15.5 23.3#



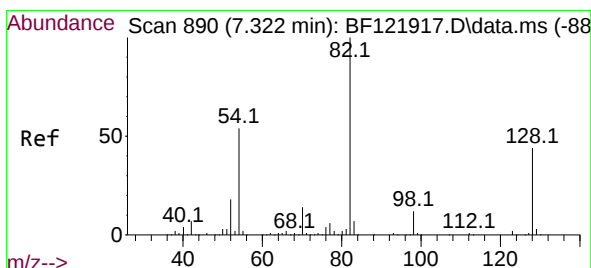
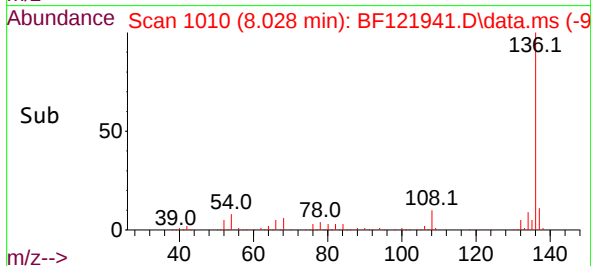
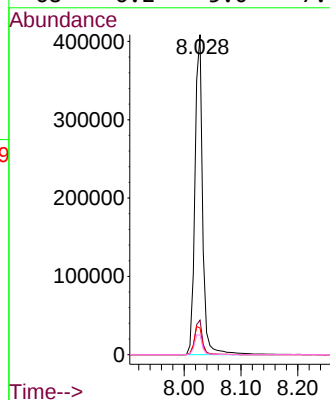
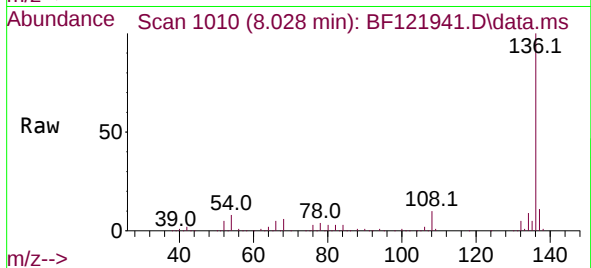


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.028 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BF121941.D
Acq: 13 Oct 2020 16:42

Instrument :
BNA_F
ClientSampleId :
HD-5

Tgt Ion:136 Resp: 385252

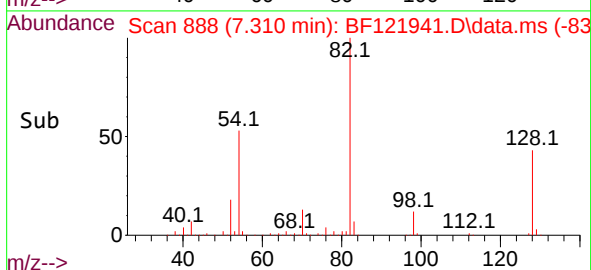
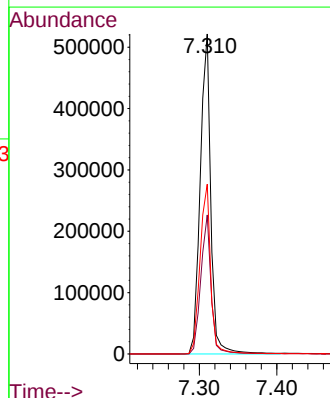
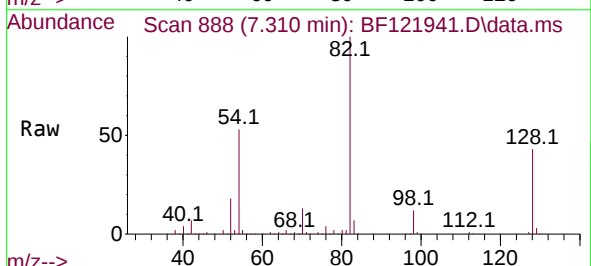
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.4	7.1	10.7
68	6.2	5.0	7.4



#23
Nitrobenzene-d5
Concen: 65.62 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.012 min
Lab File: BF121941.D
Acq: 13 Oct 2020 16:42

Tgt Ion: 82 Resp: 492900

Ion	Ratio	Lower	Upper
82	100		
128	43.4	35.0	52.4
54	53.0	43.9	65.9

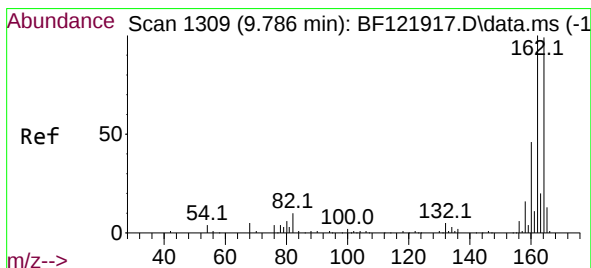
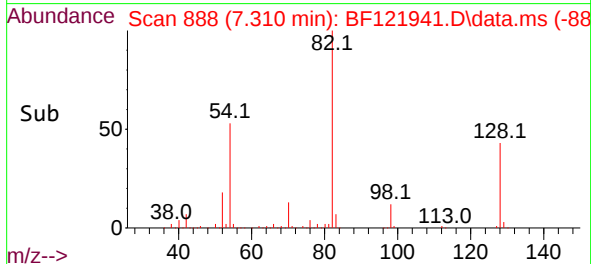
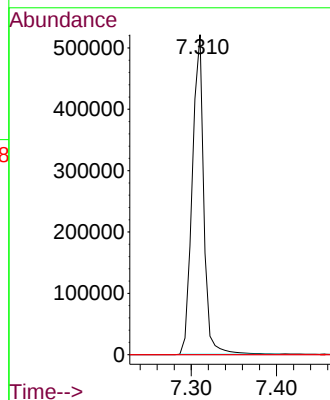
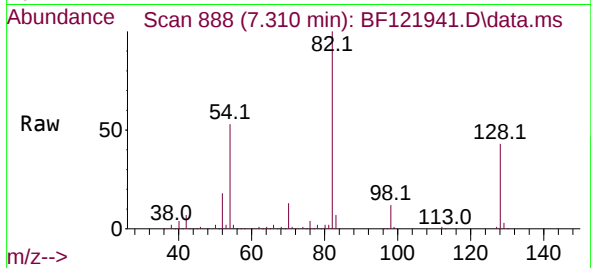




#25
Isophorone
Concen: 34.30 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.270 min
Lab File: BF121941.D
Acq: 13 Oct 2020 16:42

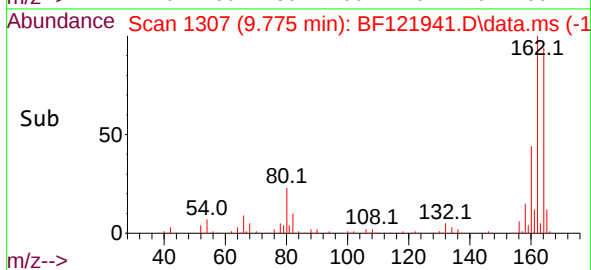
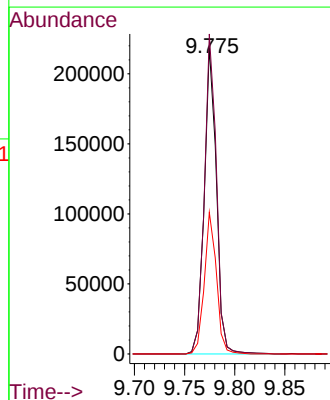
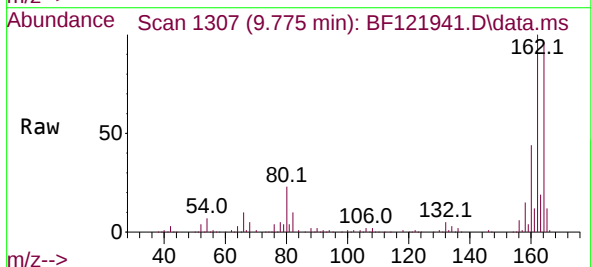
Instrument :
BNA_F
ClientSampleId :
HD-5

Tgt Ion: 82 Resp: 487152
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.011 min
Lab File: BF121941.D
Acq: 13 Oct 2020 16:42

Tgt Ion:164 Resp: 184771
Ion Ratio Lower Upper
164 100
162 104.5 83.2 124.8
160 46.3 37.5 56.3

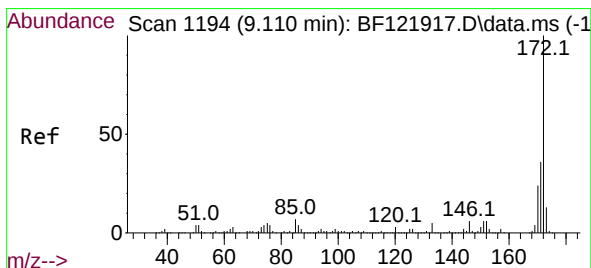
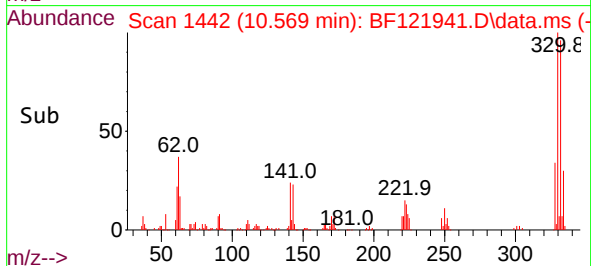
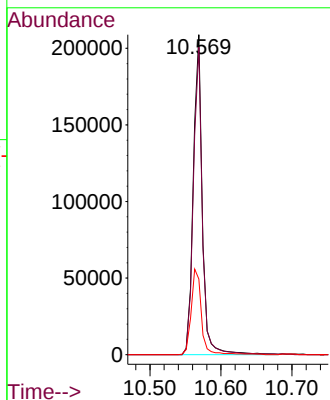
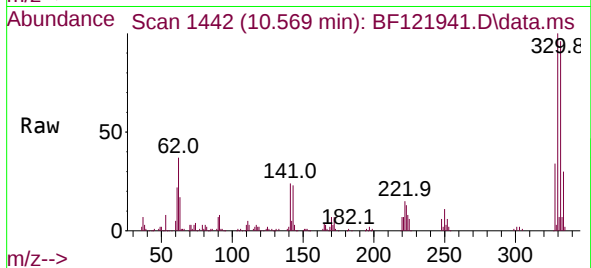




#42
2,4,6-Tribromophenol
Concen: 80.99 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.012 min
Lab File: BF121941.D
Acq: 13 Oct 2020 16:42

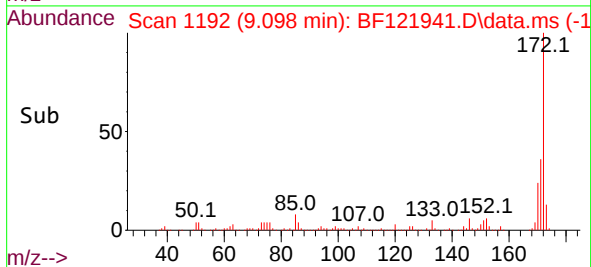
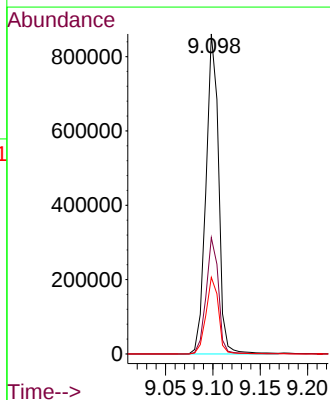
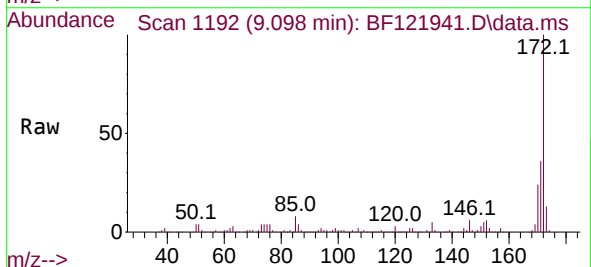
Instrument :
BNA_F
ClientSampleId :
HD-5

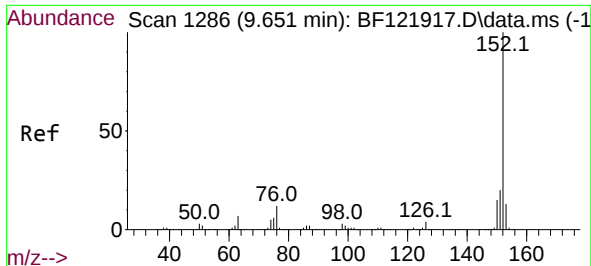
Tgt Ion:330 Resp: 185122
Ion Ratio Lower Upper
330 100
332 95.8 77.3 115.9
141 30.0 22.3 33.5



#45
2-Fluorobiphenyl
Concen: 63.68 ng
RT: 9.098 min Scan# 1192
Delta R.T. -0.012 min
Lab File: BF121941.D
Acq: 13 Oct 2020 16:42

Tgt Ion:172 Resp: 799735
Ion Ratio Lower Upper
172 100
171 36.3 29.1 43.7
170 24.0 19.8 29.6





#49

Acenaphthylene

Concen: 3.40 ng

RT: 9.639 min Scan# 1284

Delta R.T. -0.012 min

Lab File: BF121941.D

Acq: 13 Oct 2020 16:42

Tgt Ion:152 Resp: 60978

Ion Ratio Lower Upper

152 100

151 19.1 16.4 24.6

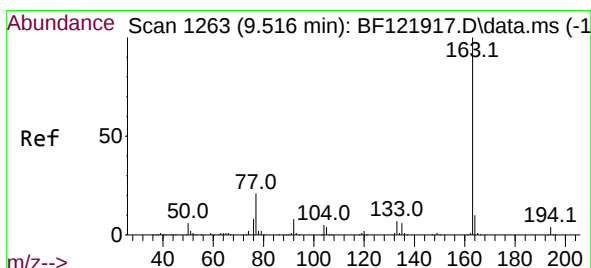
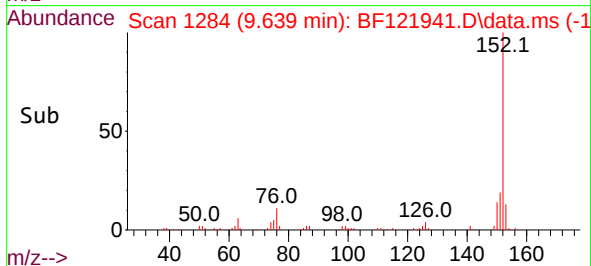
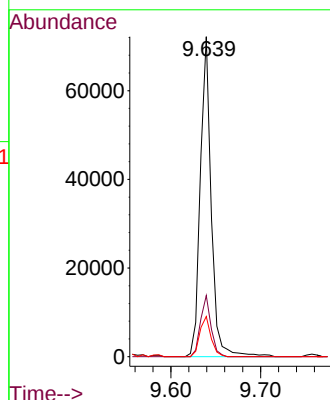
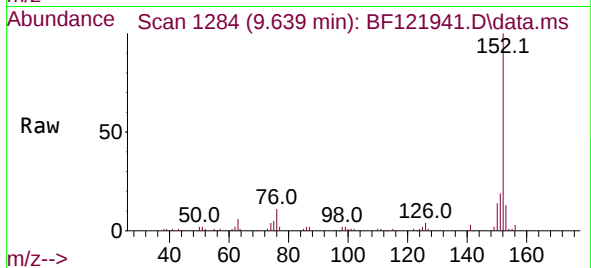
153 12.6 10.6 15.8

Instrument :

BNA_F

ClientSampled :

HD-5



#50

Dimethylphthalate

Concen: 10.51 ng

RT: 9.498 min Scan# 1260

Delta R.T. -0.018 min

Lab File: BF121941.D

Acq: 13 Oct 2020 16:42

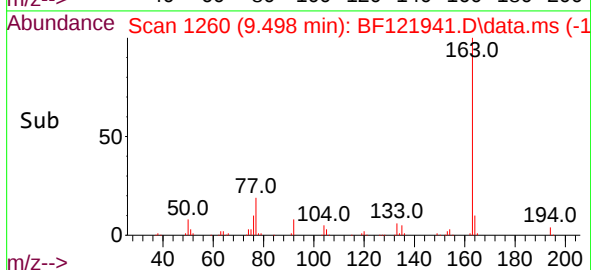
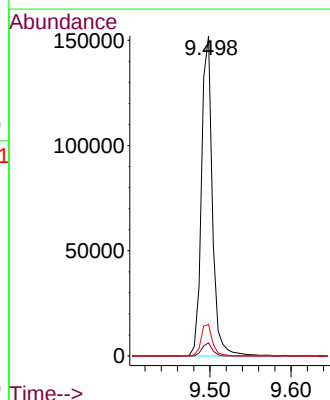
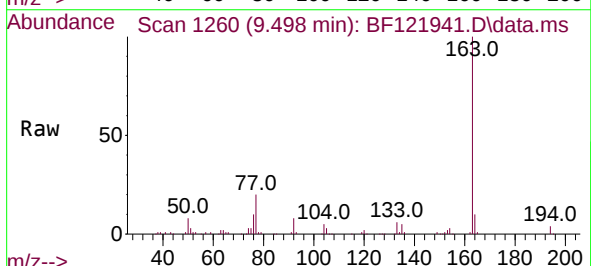
Tgt Ion:163 Resp: 142047

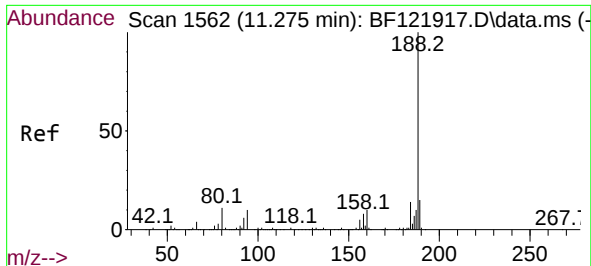
Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

164 9.8 8.2 12.4

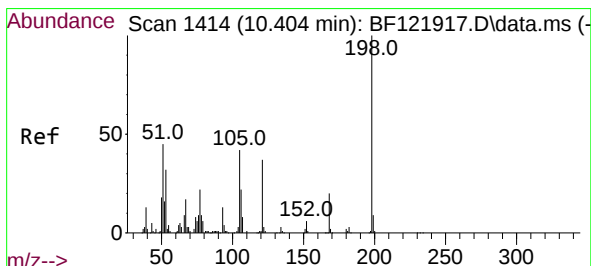
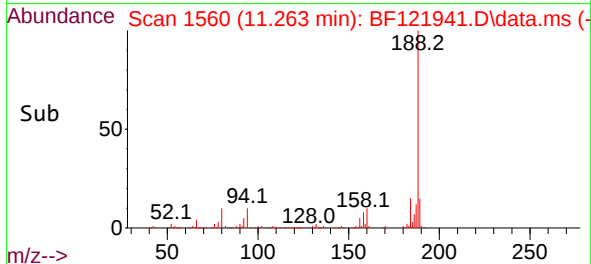
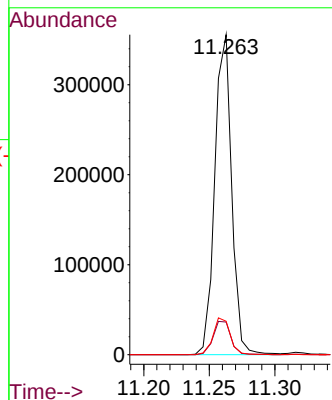
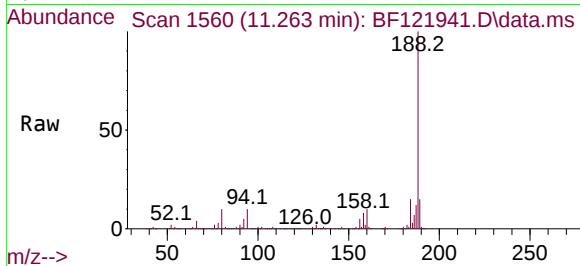




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.012 min
Lab File: BF121941.D
Acq: 13 Oct 2020 16:42

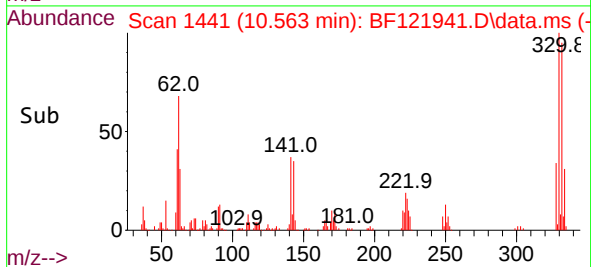
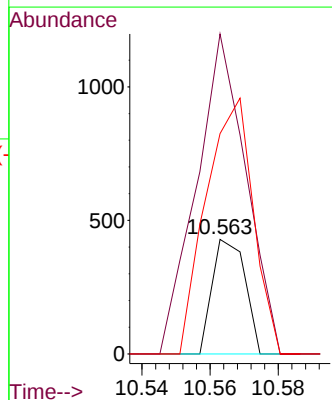
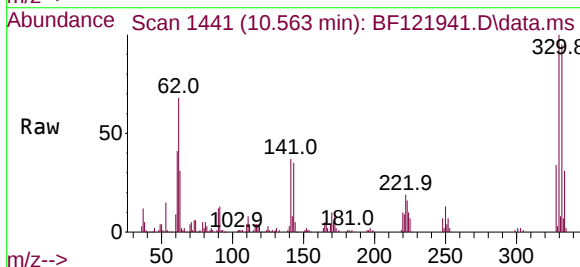
Instrument :
BNA_F
ClientSampleId :
HD-5

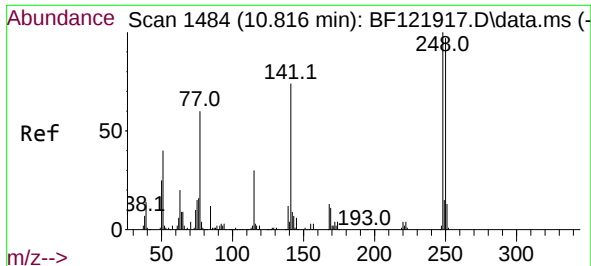
Tgt Ion:188	Resp:	318254
Ion Ratio	Lower	Upper
188	100	
94	10.2	8.3 12.5
80	10.5	9.1 13.7



#65
4,6-Dinitro-2-methylphenol
Concen: 4.55 ng
RT: 10.563 min Scan# 1441
Delta R.T. 0.159 min
Lab File: BF121941.D
Acq: 13 Oct 2020 16:42

Tgt Ion:198	Resp:	286
Ion Ratio	Lower	Upper
198	100	
51	279.3	29.6 69.6#
105	192.3	24.4 64.4#

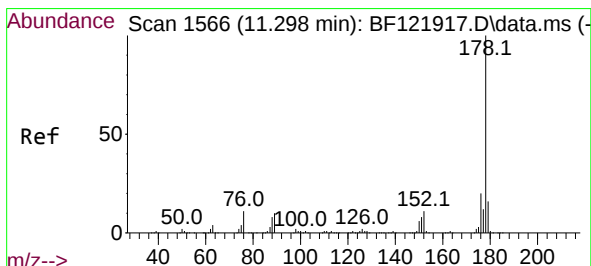
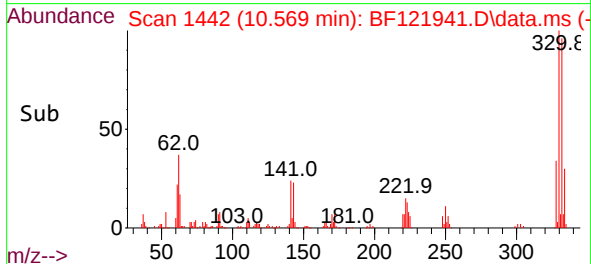
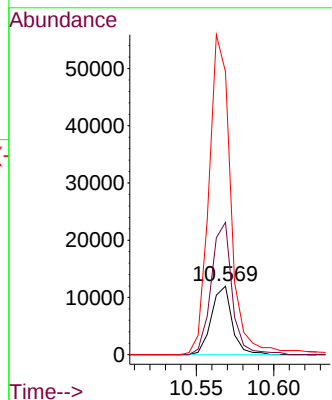
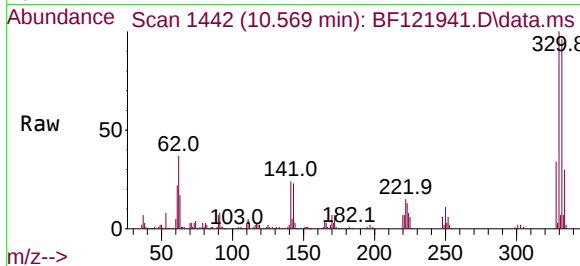




#67
4-Bromophenyl-phenylether
Concen: 3.01 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.247 min
Lab File: BF121941.D
Acq: 13 Oct 2020 16:42

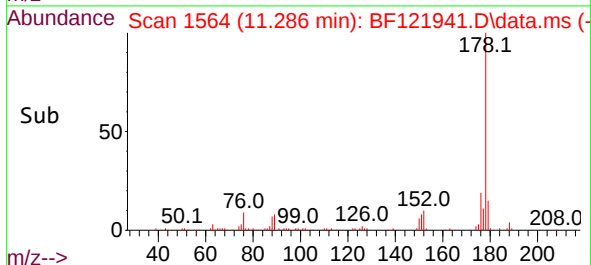
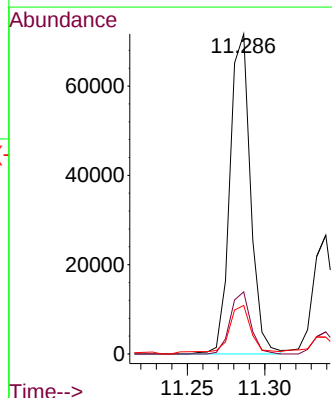
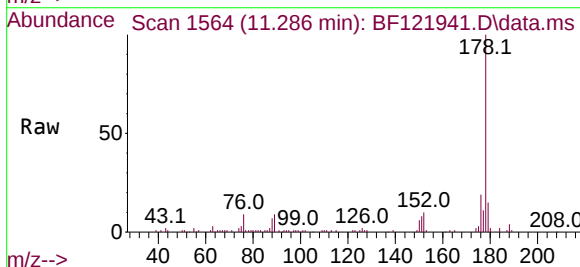
Instrument :
BNA_F
ClientSampleId :
HD-5

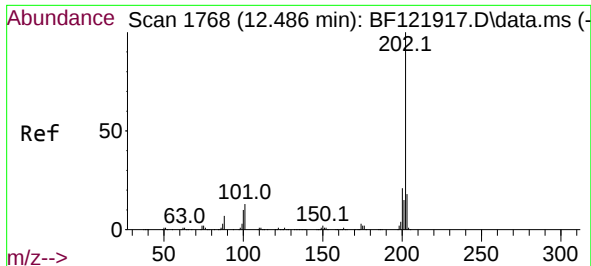
Tgt Ion:248 Resp: 11068
Ion Ratio Lower Upper
248 100
250 193.2 77.0 115.6#
141 412.9 53.7 80.5#



#71
Phenanthrene
Concen: 3.80 ng
RT: 11.286 min Scan# 1564
Delta R.T. -0.012 min
Lab File: BF121941.D
Acq: 13 Oct 2020 16:42

Tgt Ion:178 Resp: 66337
Ion Ratio Lower Upper
178 100
176 19.4 15.9 23.9
179 15.2 12.2 18.4

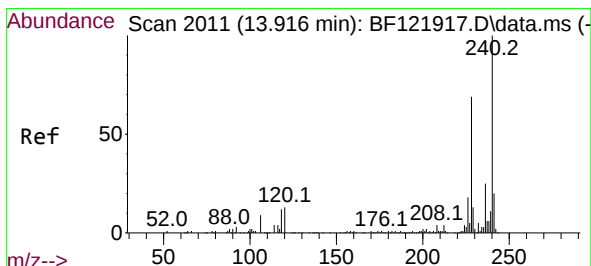
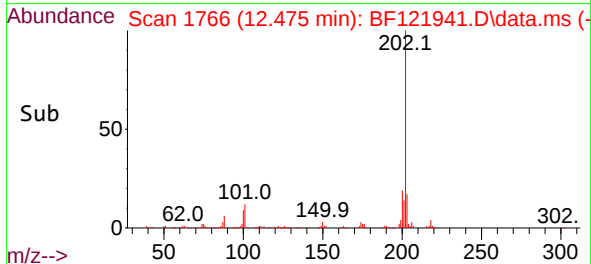
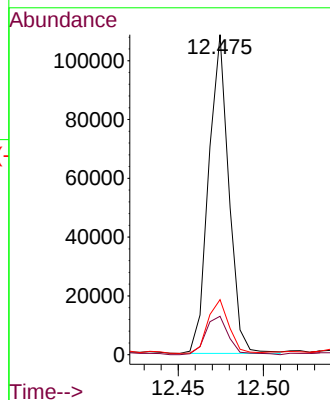
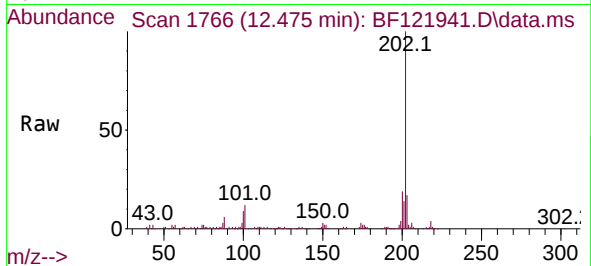




#75
Fluoranthene
Concen: 4.78 ng
RT: 12.475 min Scan# 1766
Delta R.T. -0.012 min
Lab File: BF121941.D
Acq: 13 Oct 2020 16:42

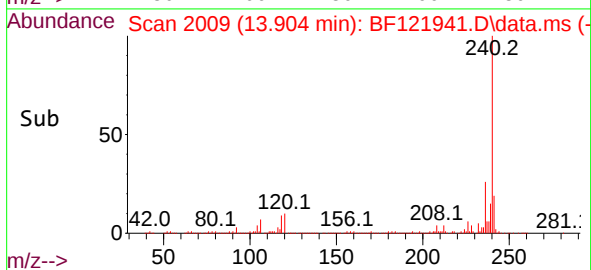
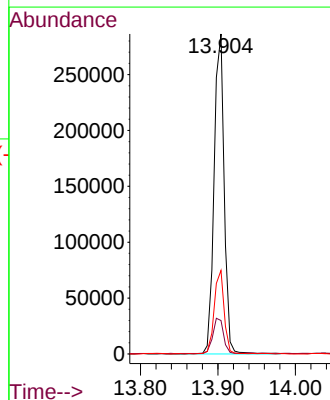
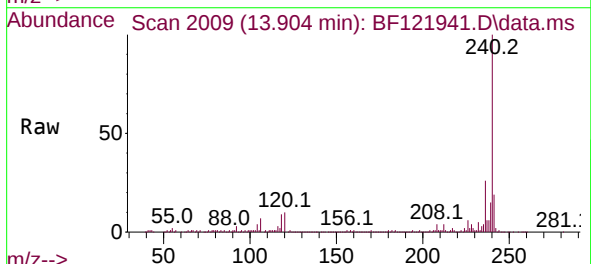
Instrument :
BNA_F
ClientSampleId :
HD-5

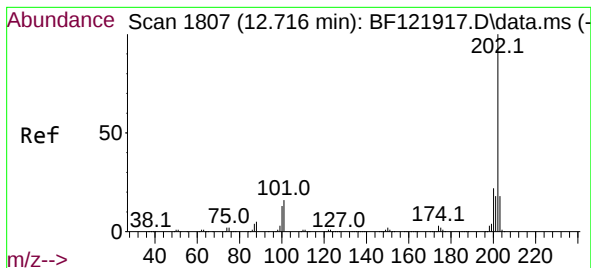
Tgt Ion:202 Resp: 89458
Ion Ratio Lower Upper
202 100
101 12.0 0.0 33.4
203 17.2 0.0 37.9



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.904 min Scan# 2009
Delta R.T. -0.012 min
Lab File: BF121941.D
Acq: 13 Oct 2020 16:42

Tgt Ion:240 Resp: 259885
Ion Ratio Lower Upper
240 100
120 10.4 9.2 13.8
236 26.1 20.9 31.3





#78

Pyrene

Concen: 5.82 ng

RT: 12.704 min Scan# 1805

Delta R.T. -0.012 min

Lab File: BF121941.D

Acq: 13 Oct 2020 16:42

Tgt Ion:202 Resp: 115234

Ion Ratio Lower Upper

202 100

200 20.4 17.4 26.2

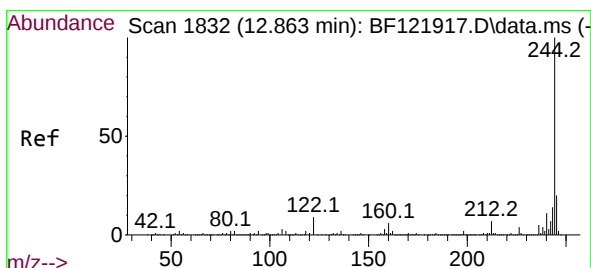
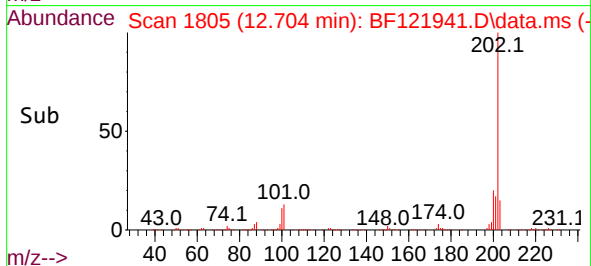
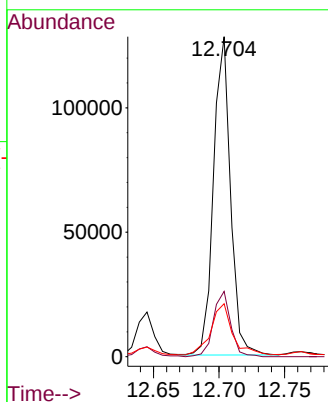
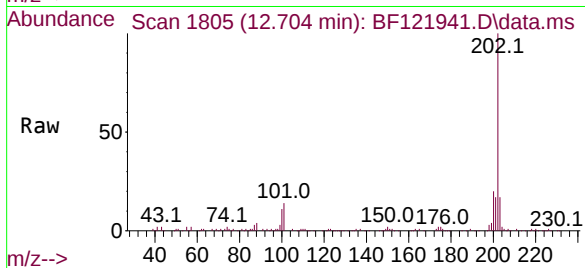
203 16.5 14.6 21.8

Instrument :

BNA_F

ClientSampleId :

HD-5



#79

Terphenyl-d14

Concen: 49.61 ng

RT: 12.845 min Scan# 1829

Delta R.T. -0.018 min

Lab File: BF121941.D

Acq: 13 Oct 2020 16:42

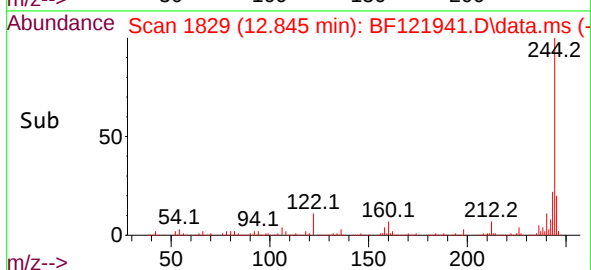
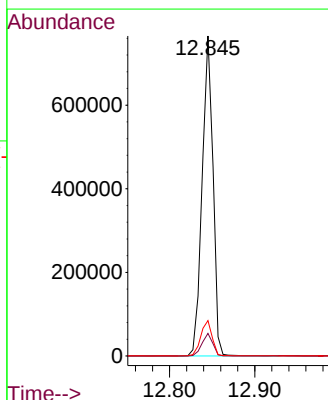
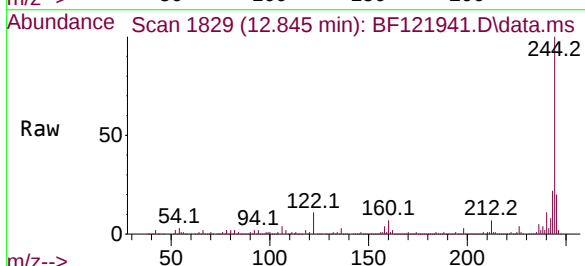
Tgt Ion:244 Resp: 676514

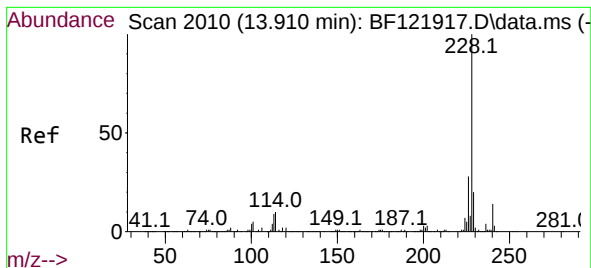
Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.2

122 11.0 8.1 12.1

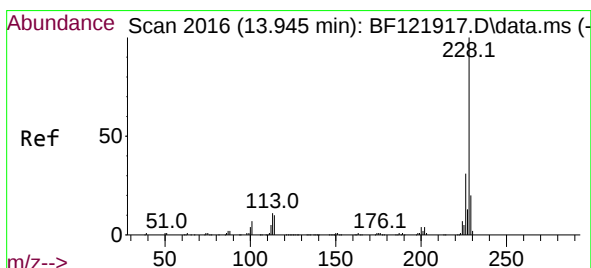
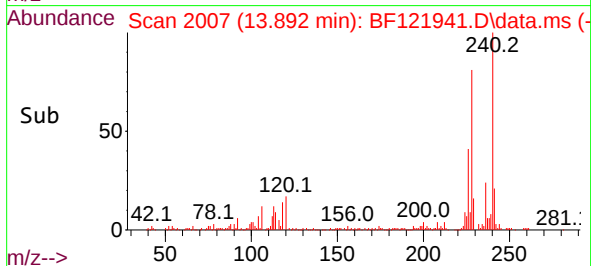
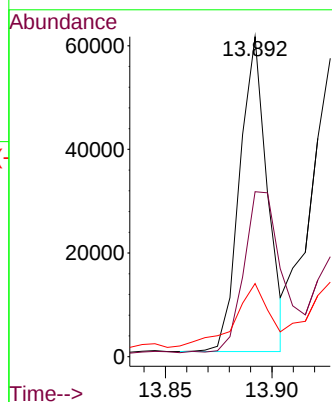
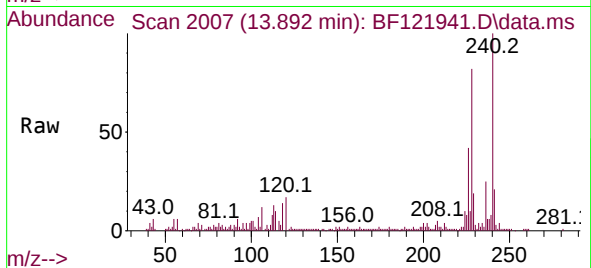




#81
Benzo(a)anthracene
Concen: 3.22 ng
RT: 13.892 min Scan# 2007
Delta R.T. -0.018 min
Lab File: BF121941.D
Acq: 13 Oct 2020 16:42

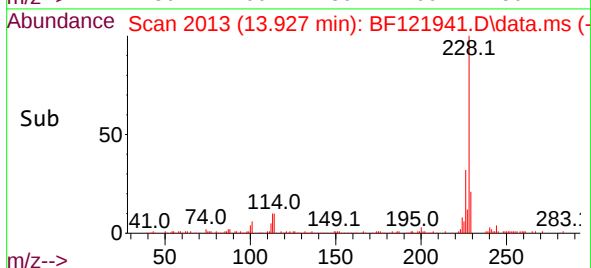
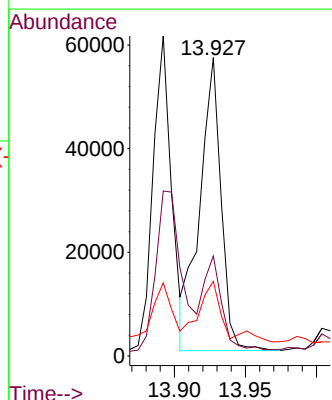
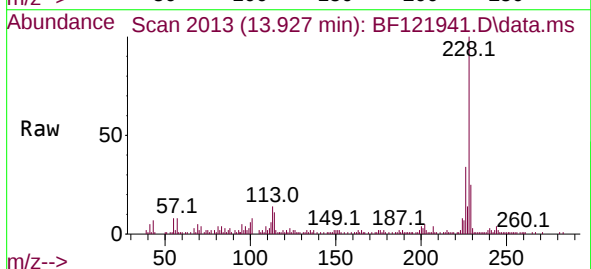
Instrument :
BNA_F
ClientSampleId :
HD-5

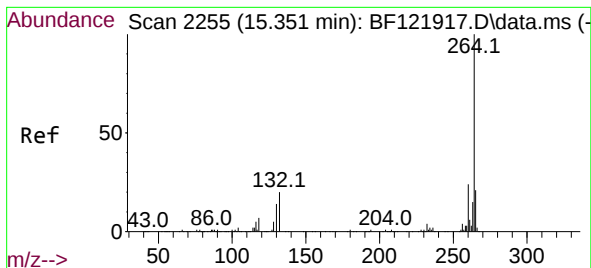
Tgt Ion:228 Resp: 54758
Ion Ratio Lower Upper
228 100
226 51.6 22.3 33.5#
229 22.9 16.2 24.4



#83
Chrysene
Concen: 3.57 ng
RT: 13.927 min Scan# 2013
Delta R.T. -0.018 min
Lab File: BF121941.D
Acq: 13 Oct 2020 16:42

Tgt Ion:228 Resp: 59655
Ion Ratio Lower Upper
228 100
226 33.5 24.6 37.0
229 25.0 15.9 23.9#

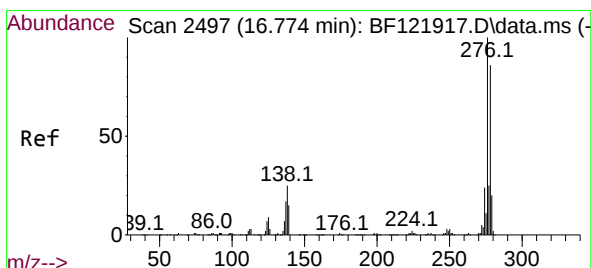
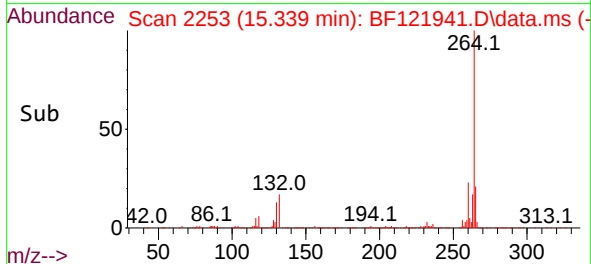
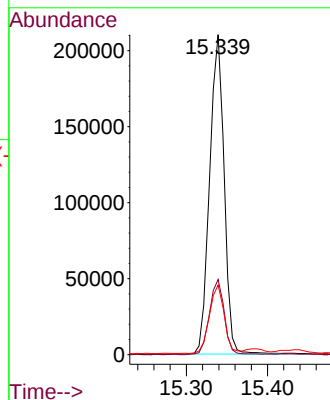
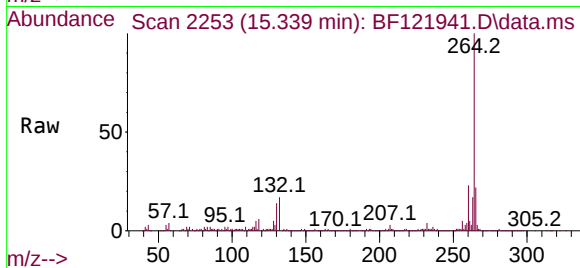




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.339 min Scan# 2253
Delta R.T. -0.012 min
Lab File: BF121941.D
Acq: 13 Oct 2020 16:42

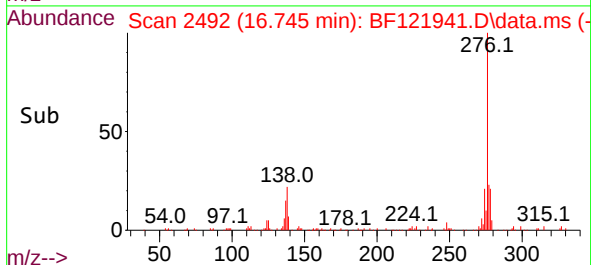
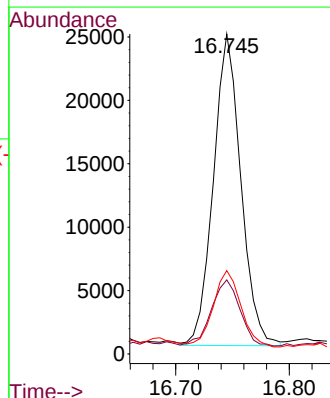
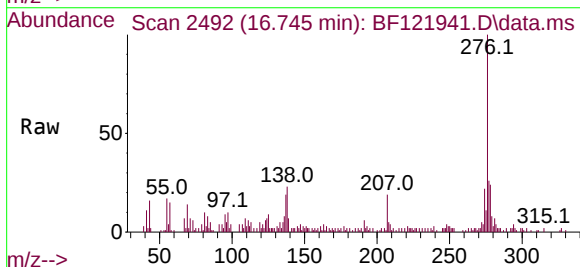
Instrument :
BNA_F
ClientSampled :
HD-5

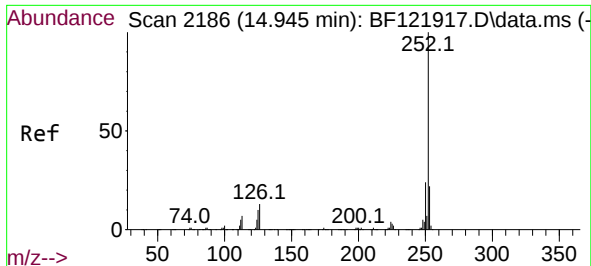
Tgt Ion:264 Resp: 260456
Ion Ratio Lower Upper
264 100
260 23.5 18.7 28.1
265 21.7 17.3 25.9



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.45 ng
RT: 16.745 min Scan# 2492
Delta R.T. -0.029 min
Lab File: BF121941.D
Acq: 13 Oct 2020 16:42

Tgt Ion:276 Resp: 41359
Ion Ratio Lower Upper
276 100
138 22.0 19.9 29.9
277 24.7 20.4 30.6

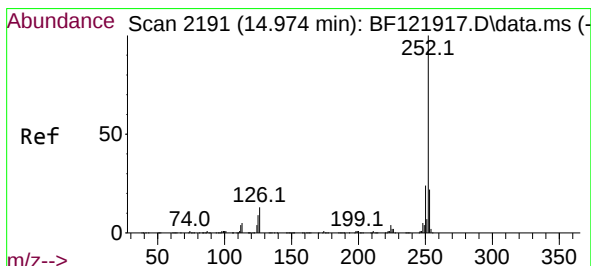
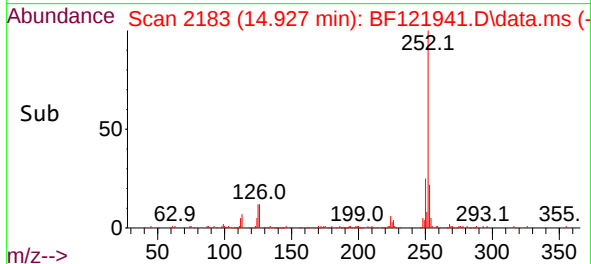
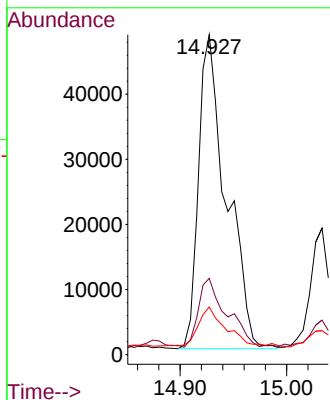
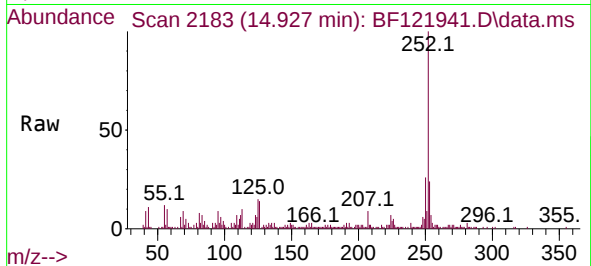




#88
Benzo(b)fluoranthene
Concen: 4.96 ng
RT: 14.927 min Scan# 2183
Delta R.T. -0.018 min
Lab File: BF121941.D
Acq: 13 Oct 2020 16:42

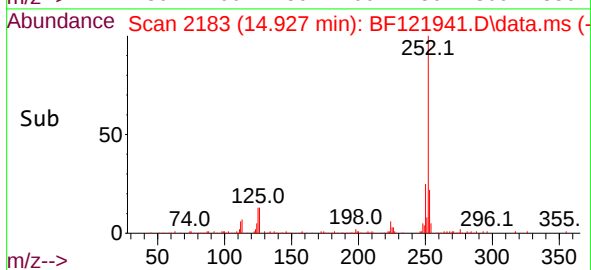
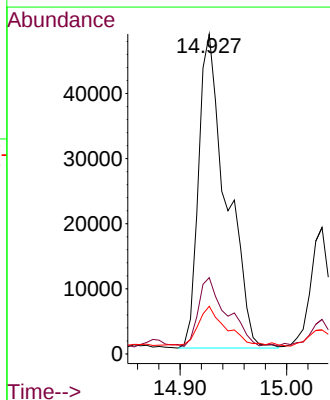
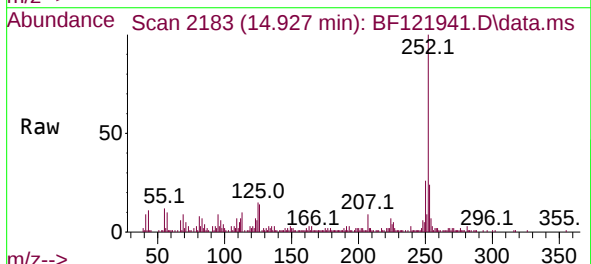
Instrument :
BNA_F
ClientSampled :
HD-5

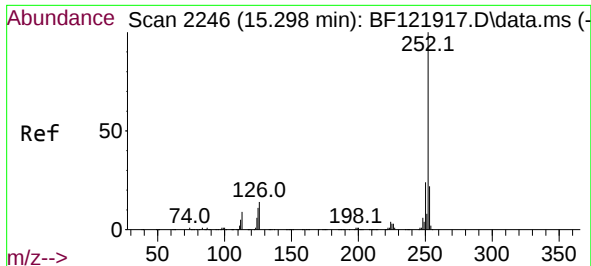
Tgt Ion:252 Resp: 87395
Ion Ratio Lower Upper
252 100
253 23.8 18.2 27.2
125 14.9 8.0 12.0#



#89
Benzo(k)fluoranthene
Concen: 5.23 ng
RT: 14.927 min Scan# 2183
Delta R.T. -0.047 min
Lab File: BF121941.D
Acq: 13 Oct 2020 16:42

Tgt Ion:252 Resp: 87395
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.6
125 14.9 7.7 11.5#

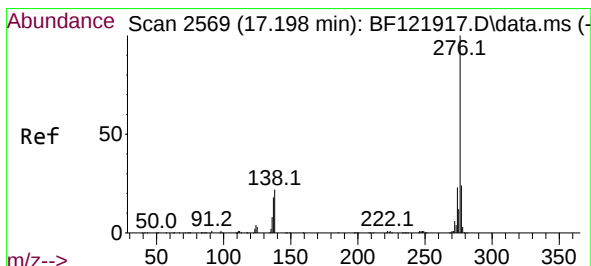
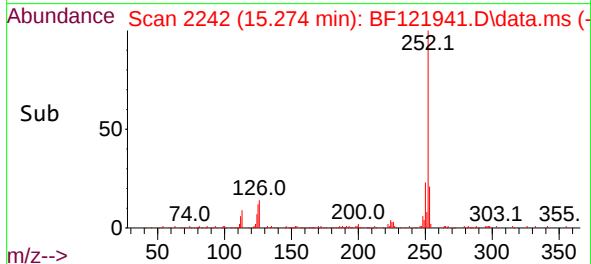
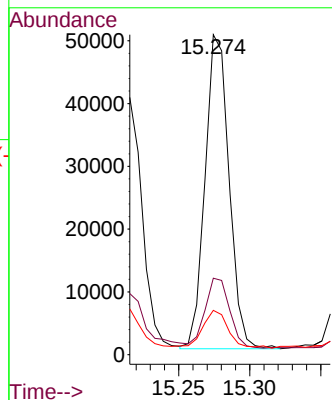
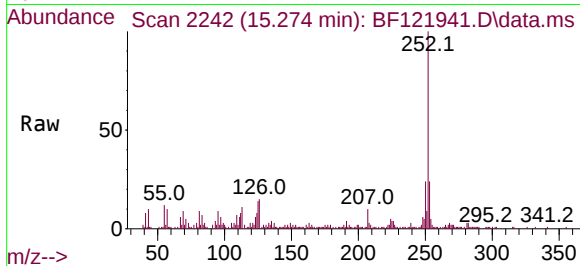




#90
Benzo(a)pyrene
Concen: 3.87 ng
RT: 15.274 min Scan# 2242
Delta R.T. -0.023 min
Lab File: BF121941.D
Acq: 13 Oct 2020 16:42

Instrument :
BNA_F
ClientSampleId :
HD-5

Tgt Ion:252 Resp: 58809
Ion Ratio Lower Upper
252 100
253 23.9 17.3 25.9
125 13.9 8.6 13.0#



#92
Benzo(g,h,i)perylene
Concen: 3.77 ng
RT: 17.168 min Scan# 2564
Delta R.T. -0.029 min
Lab File: BF121941.D
Acq: 13 Oct 2020 16:42

Tgt Ion:276 Resp: 52490
Ion Ratio Lower Upper
276 100
277 24.6 19.4 29.2
138 24.0 17.8 26.6

