

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103020\
 Data File : BF122191.D
 Acq On : 30 Oct 2020 20:49
 Operator : JU/CG
 Sample : L4541-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 124024

Quant Time: Oct 31 02:55:19 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 30 10:16:54 2020
 Response via : Initial Calibration

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

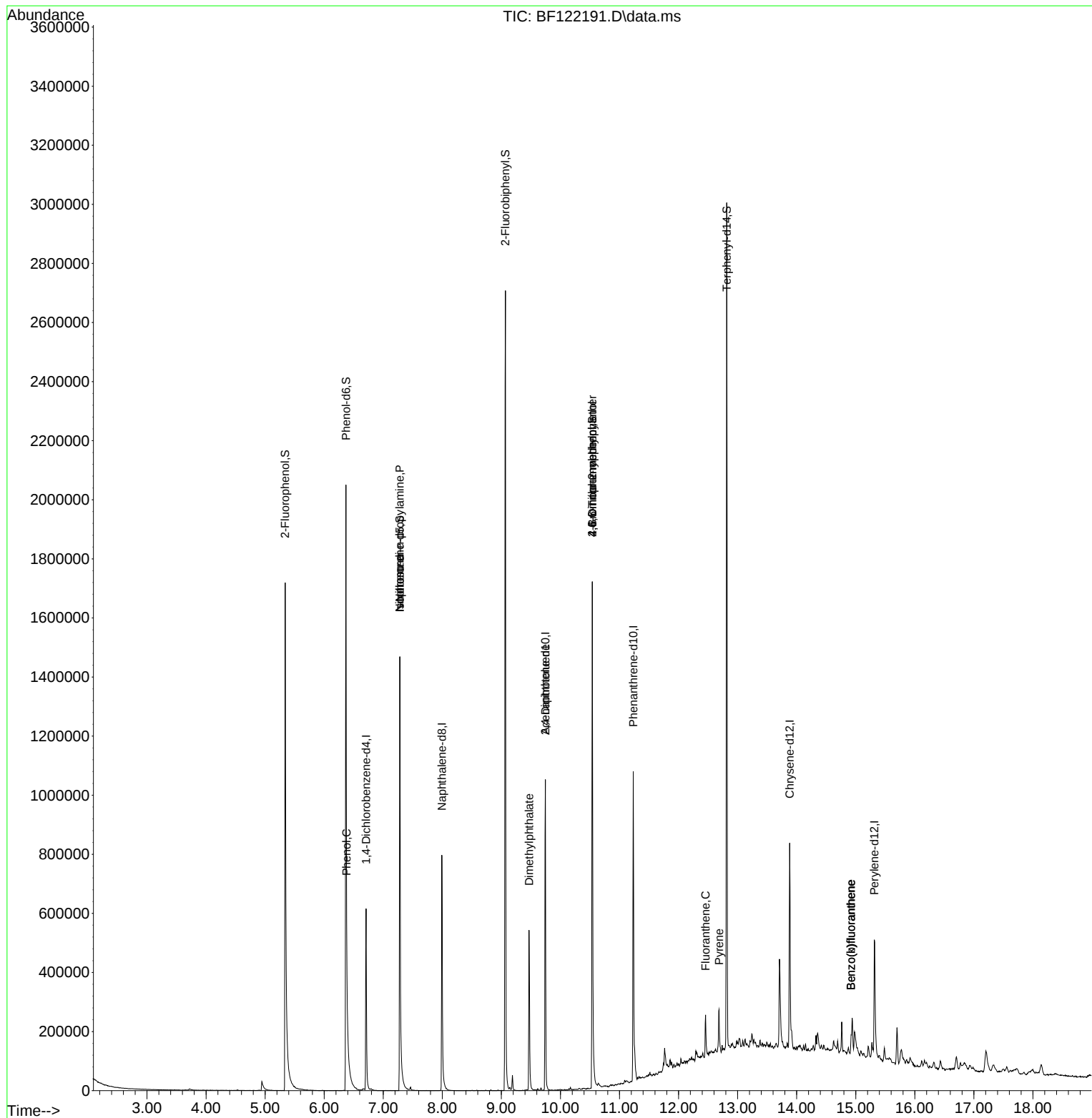
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.710	152	100746	20.00	ng	0.00
21) Naphthalene-d8	7.992	136	412580	20.00	ng	0.00
39) Acenaphthene-d10	9.745	164	213071	20.00	ng	0.00
64) Phenanthrene-d10	11.233	188	392533	20.00	ng	0.00
76) Chrysene-d12	13.880	240	241044	20.00	ng	0.00
86) Perylene-d12	15.315	264	212807	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.339	112	629920	92.28	ng	0.00
7) Phenol-d6	6.369	99	804042	91.50	ng	0.00
23) Nitrobenzene-d5	7.281	82	536704	66.71	ng	0.00
42) 2,4,6-Tribromophenol	10.539	330	230290	87.37	ng	0.00
45) 2-Fluorobiphenyl	9.069	172	904587	62.47	ng	0.00
79) Terphenyl-d14	12.815	244	832517	65.82	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.369	77	1561	Below Cal	#	3
10) Phenol	6.381	94	47722	5.26	ng	87
19) n-Nitroso-di-n-propyla...	7.281	70	71700	14.33	ng	# 80
25) Isophorone	7.281	82	536704	35.28	ng	# 67
50) Dimethylphthalate	9.469	163	230500	14.79	ng	100
57) 2,4-Dinitrotoluene	9.745	165	26710	6.35	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.539	198	335	4.55	ng	# 1
67) 4-Bromophenyl-phenylether	10.539	248	13620	3.00	ng	# 1
75) Fluoranthene	12.457	202	58712	2.54	ng	97
78) Pyrene	12.686	202	59885	3.26	ng	99
88) Benzo(b)fluoranthene	14.921	252	39839	2.77	ng	# 94
89) Benzo(k)fluoranthene	14.921	252	39839	2.92	ng	# 94

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

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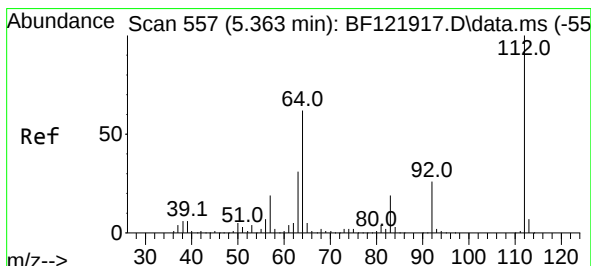
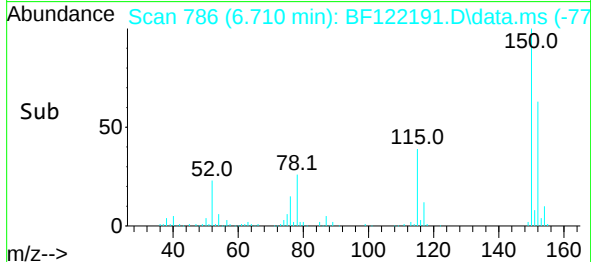
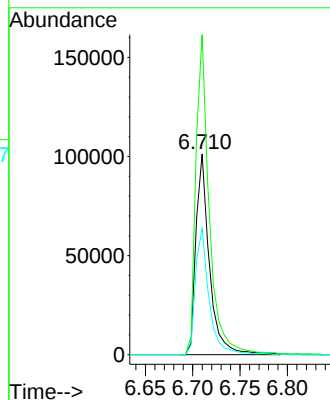
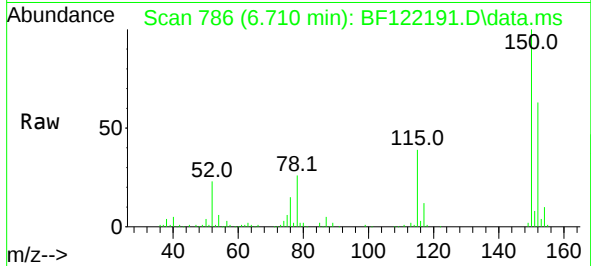




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.710 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF122191.D
Acq: 30 Oct 2020 20:49

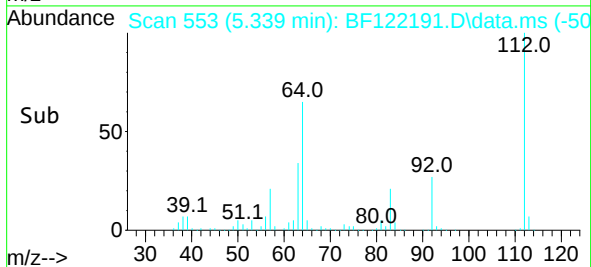
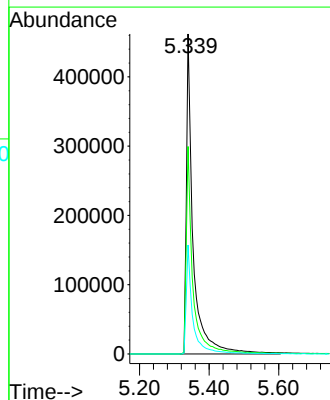
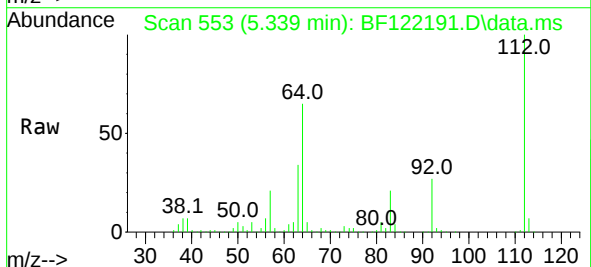
Instrument :
BNA_F
ClientSampleId :
124024

Tgt Ion:152 Resp: 100746
Ion Ratio Lower Upper
152 100
150 159.5 125.3 187.9
115 62.9 51.9 77.9



#5
2-Fluorophenol
Concen: 92.28 ng
RT: 5.339 min Scan# 553
Delta R.T. 0.006 min
Lab File: BF122191.D
Acq: 30 Oct 2020 20:49

Tgt Ion:112 Resp: 629920
Ion Ratio Lower Upper
112 100
64 64.8 50.4 75.6
63 34.0 25.8 38.6

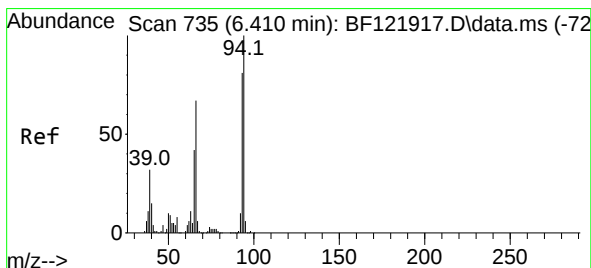
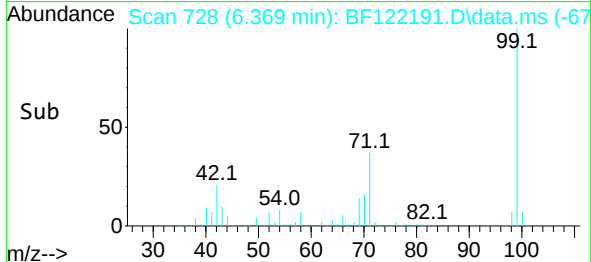
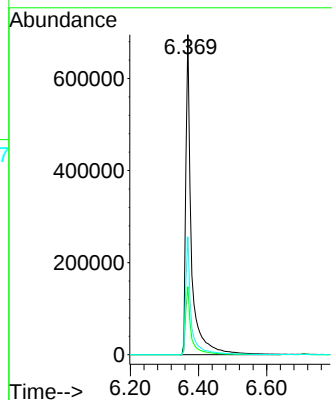
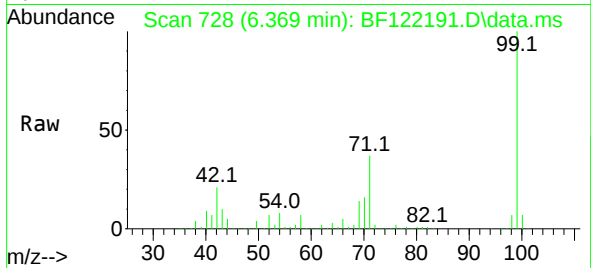




#7
Phenol-d6
Concen: 91.50 ng
RT: 6.369 min Scan# 728
Delta R.T. -0.000 min
Lab File: BF122191.D
Acq: 30 Oct 2020 20:49

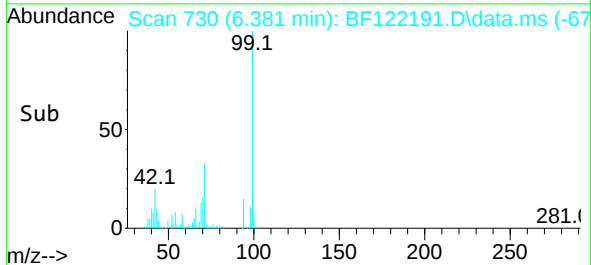
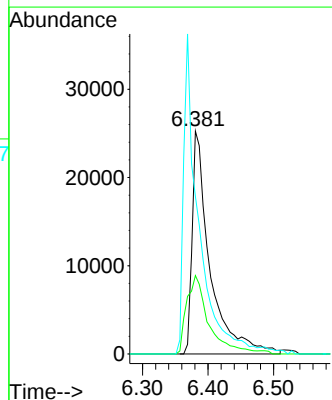
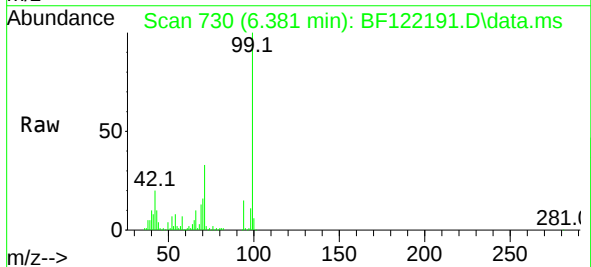
Instrument :
BNA_F
ClientSampleId :
124024

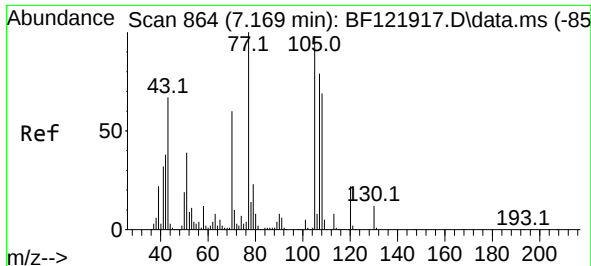
Tgt Ion: 99 Resp: 804042
Ion Ratio Lower Upper
99 100
42 21.3 15.9 23.9
71 36.8 27.1 40.7



#10
Phenol
Concen: 5.26 ng
RT: 6.381 min Scan# 730
Delta R.T. -0.000 min
Lab File: BF122191.D
Acq: 30 Oct 2020 20:49

Tgt Ion: 94 Resp: 47722
Ion Ratio Lower Upper
94 100
65 35.2 17.1 57.1
66 70.7 36.0 76.0

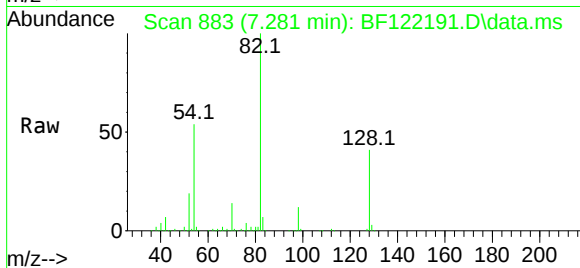




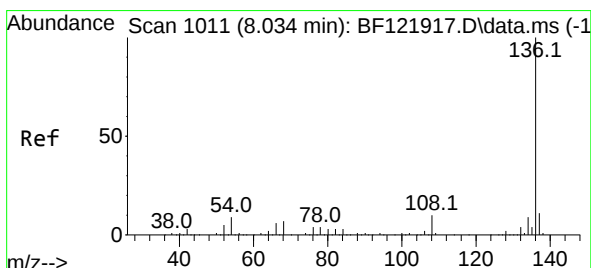
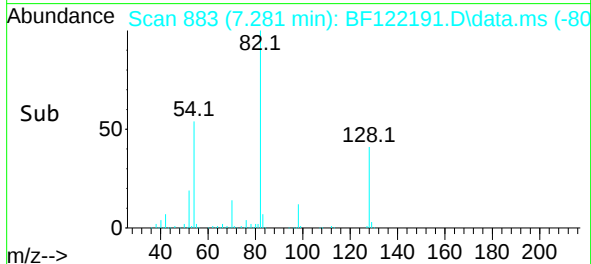
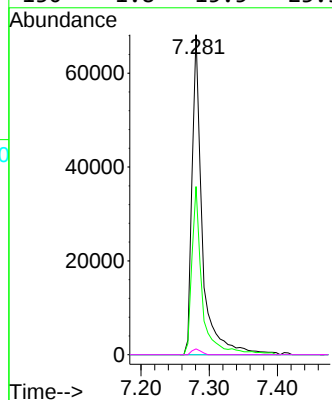
#19

n-Nitroso-di-n-propylamine
Concen: 14.33 ng
RT: 7.281 min Scan# 883
Delta R.T. 0.141 min
Lab File: BF122191.D
Acq: 30 Oct 2020 20:49

Instrument :
BNA_F
ClientSampled :
124024



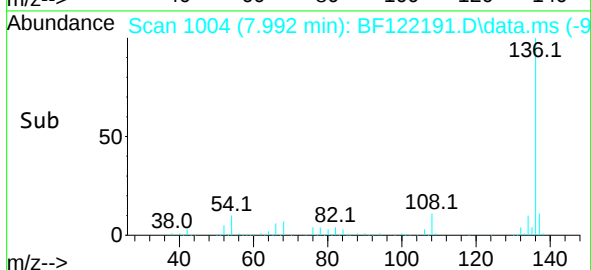
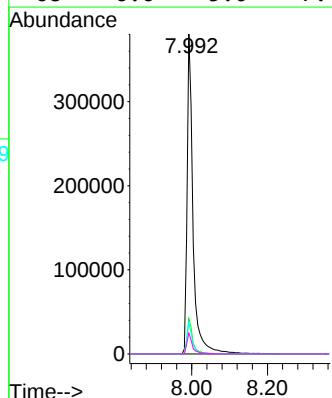
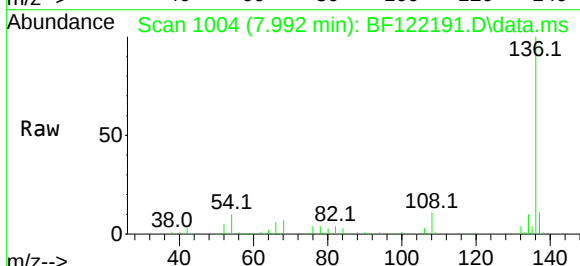
Tgt Ion:	70	Resp:	71700
Ion	Ratio	Lower	Upper
70	100		
42	52.5	50.2	75.4
101	0.0	7.5	11.3#
130	1.8	15.5	23.3#

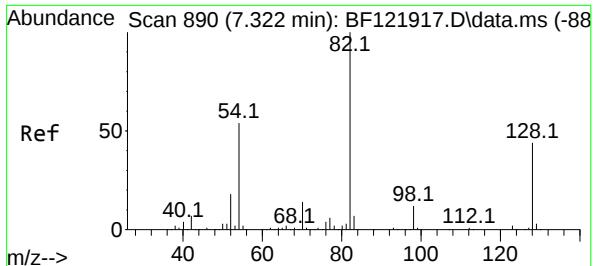


#21

Naphthalene-d8
Concen: 20.00 ng
RT: 7.992 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BF122191.D
Acq: 30 Oct 2020 20:49

Tgt Ion:	136	Resp:	412580
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	9.9	7.1	10.7
68	6.6	5.0	7.4





#23

Nitrobenzene-d5

Concen: 66.71 ng

RT: 7.281 min Scan# 883

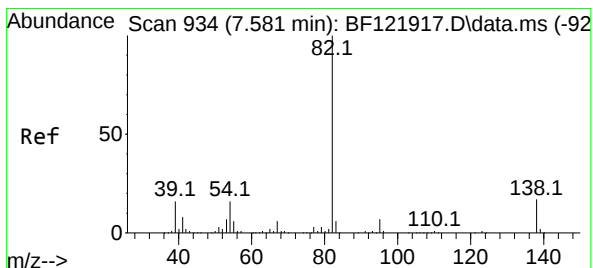
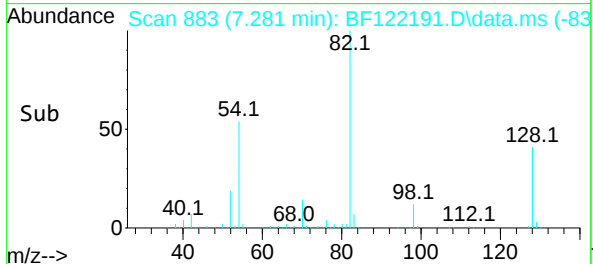
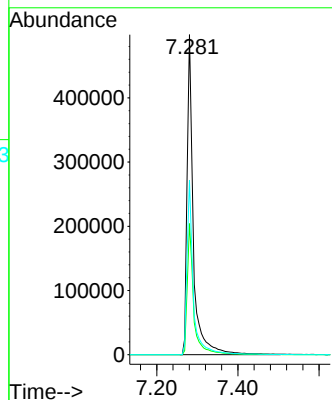
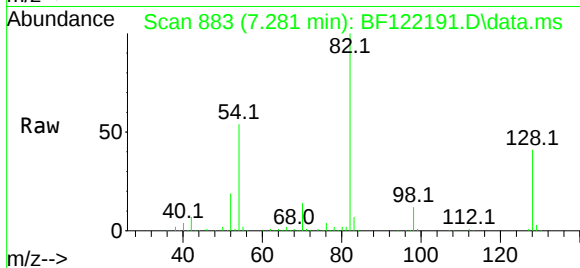
Delta R.T. -0.006 min

Lab File: BF122191.D

Acq: 30 Oct 2020 20:49

Tgt Ion: 82 Resp: 536704

Ion	Ratio	Lower	Upper
82	100		
128	41.0	35.0	52.4
54	54.5	43.9	65.9



#25

Isophorone

Concen: 35.28 ng

RT: 7.281 min Scan# 883

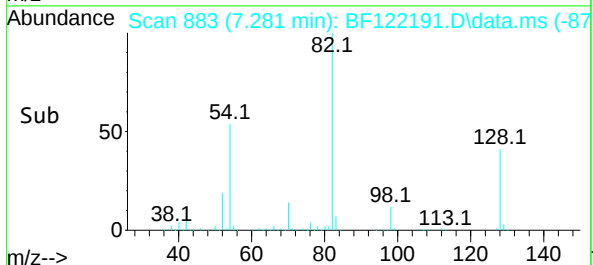
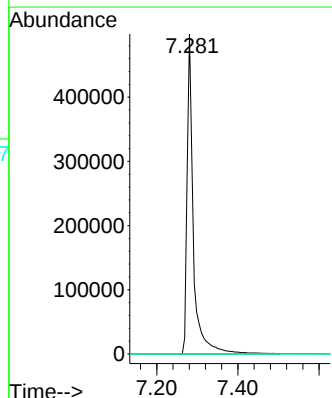
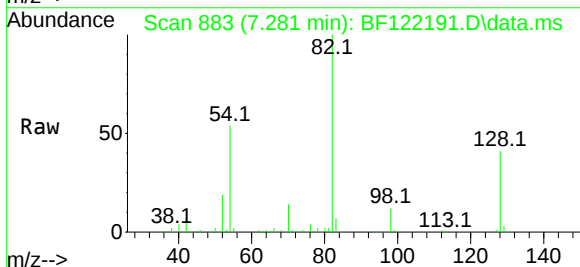
Delta R.T. -0.265 min

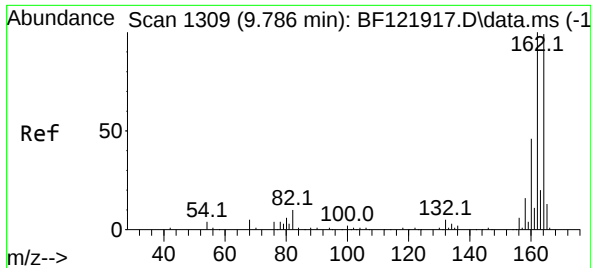
Lab File: BF122191.D

Acq: 30 Oct 2020 20:49

Tgt Ion: 82 Resp: 536704

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.4	8.0#
138	0.0	13.4	20.0#

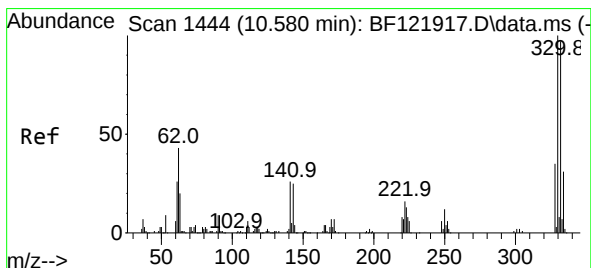
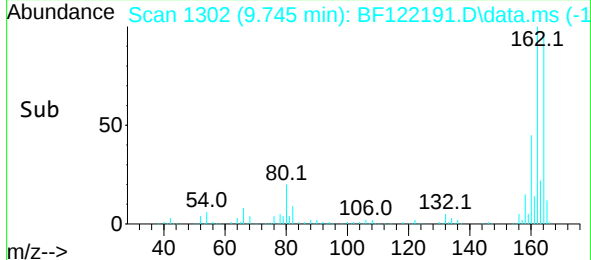
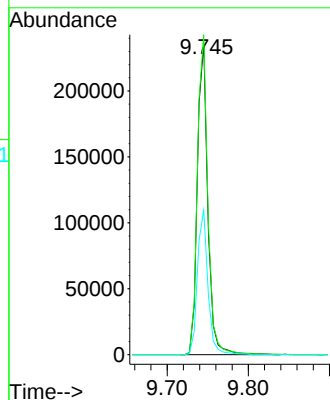
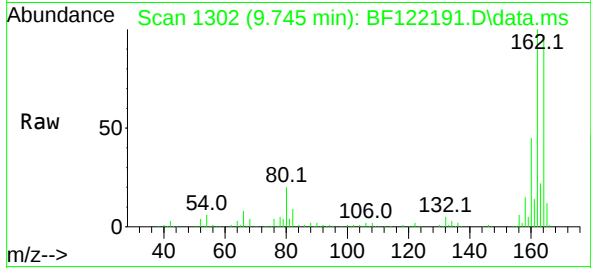




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BF122191.D
Acq: 30 Oct 2020 20:49

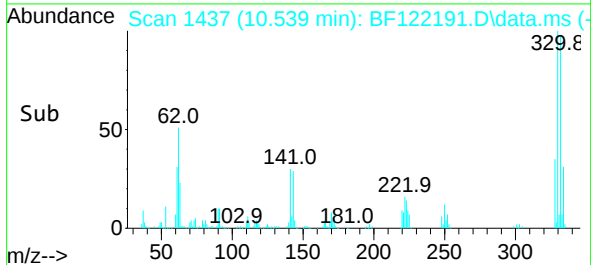
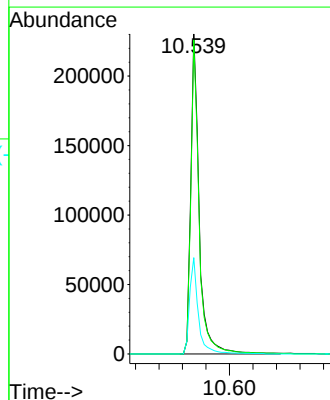
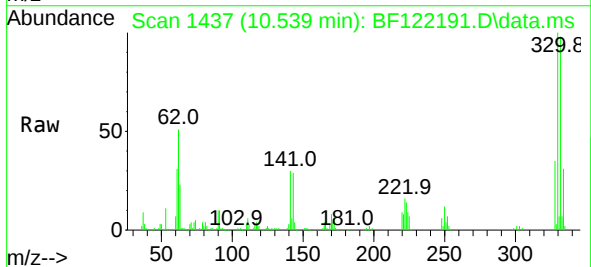
Instrument :
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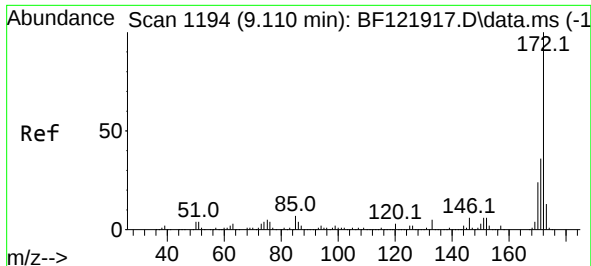
Tgt Ion:164 Resp: 213071
Ion Ratio Lower Upper
164 100
162 102.8 83.2 124.8
160 46.4 37.5 56.3



#42
2,4,6-Tribromophenol
Concen: 87.37 ng
RT: 10.539 min Scan# 1437
Delta R.T. -0.006 min
Lab File: BF122191.D
Acq: 30 Oct 2020 20:49

Tgt Ion:330 Resp: 230290
Ion Ratio Lower Upper
330 100
332 96.6 77.3 115.9
141 31.3 22.3 33.5

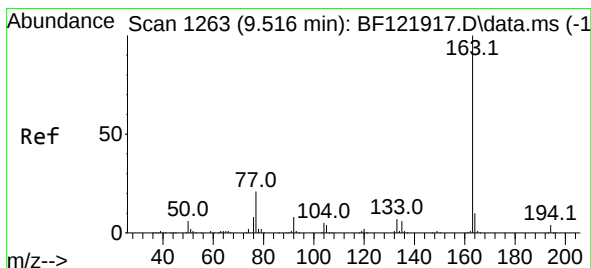
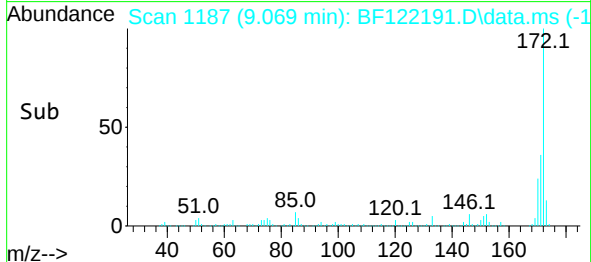
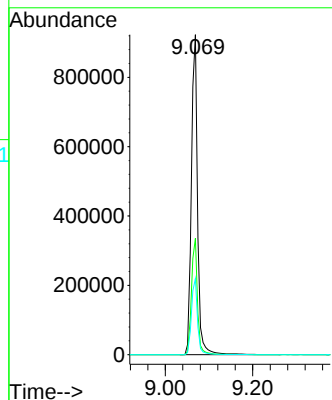
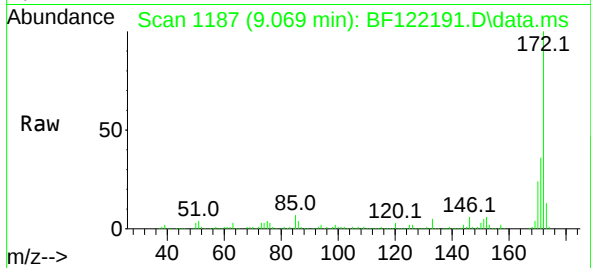




#45
2-Fluorobiphenyl
Concen: 62.47 ng
RT: 9.069 min Scan# 1187
Delta R.T. -0.006 min
Lab File: BF122191.D
Acq: 30 Oct 2020 20:49

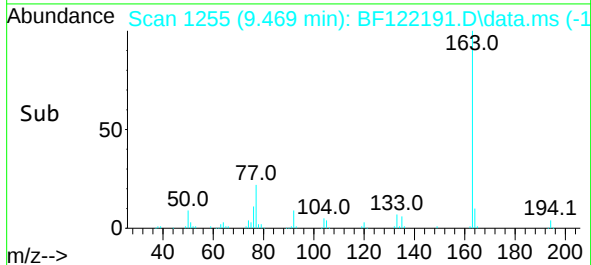
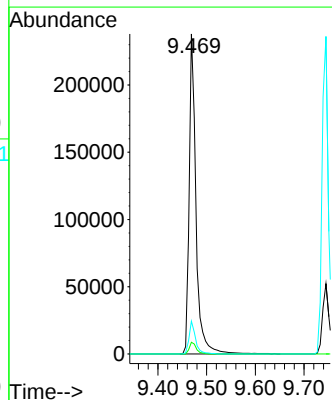
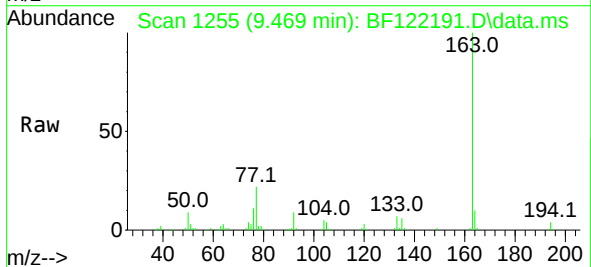
Instrument :
BNA_F
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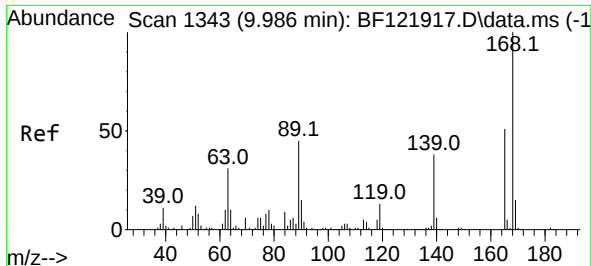
Tgt Ion:172 Resp: 904587
Ion Ratio Lower Upper
172 100
171 36.3 29.1 43.7
170 23.8 19.8 29.6



#50
Dimethylphthalate
Concen: 14.79 ng
RT: 9.469 min Scan# 1255
Delta R.T. -0.012 min
Lab File: BF122191.D
Acq: 30 Oct 2020 20:49

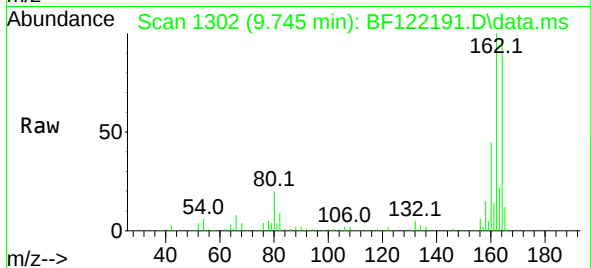
Tgt Ion:163 Resp: 230500
Ion Ratio Lower Upper
163 100
194 3.7 3.3 4.9
164 10.3 8.2 12.4



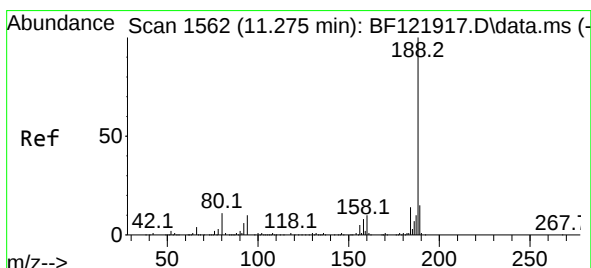
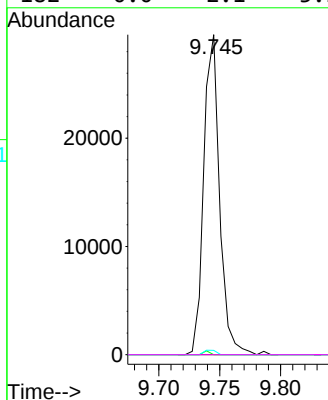
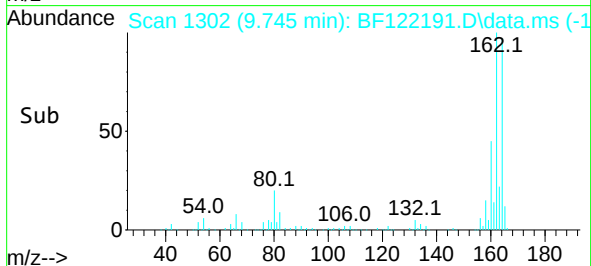


#57
2,4-Dinitrotoluene
Concen: 6.35 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.218 min
Lab File: BF122191.D
Acq: 30 Oct 2020 20:49

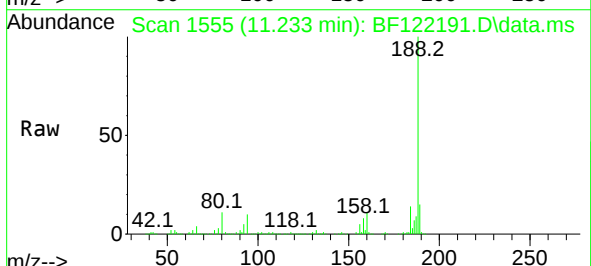
Instrument :
BNA_F
ClientSampleId :
124024



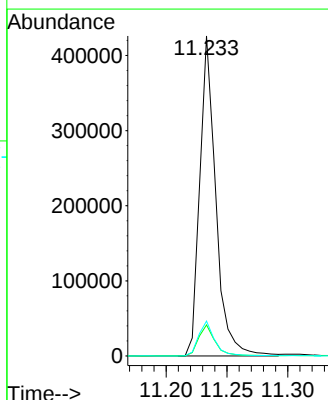
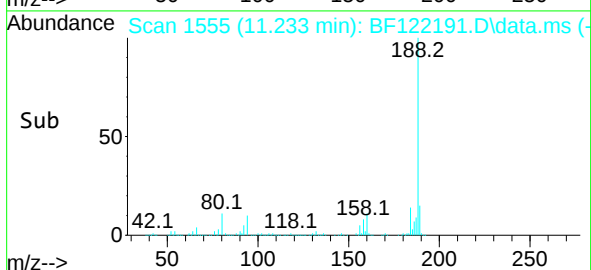
Tgt Ion:165 Resp: 26710
Ion Ratio Lower Upper
165 100
63 0.0 41.3 61.9#
89 1.4 61.8 92.8#
182 0.0 2.1 3.1#

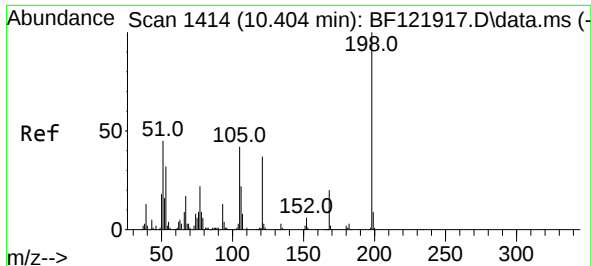


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.233 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BF122191.D
Acq: 30 Oct 2020 20:49



Tgt Ion:188 Resp: 392533
Ion Ratio Lower Upper
188 100
94 9.7 8.3 12.5
80 10.9 9.1 13.7

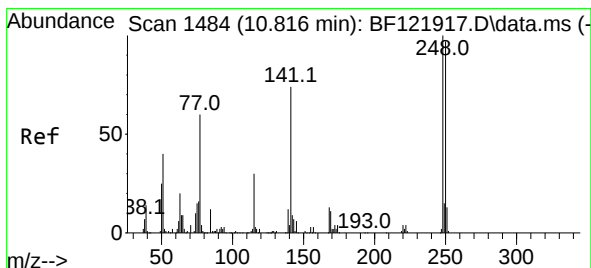
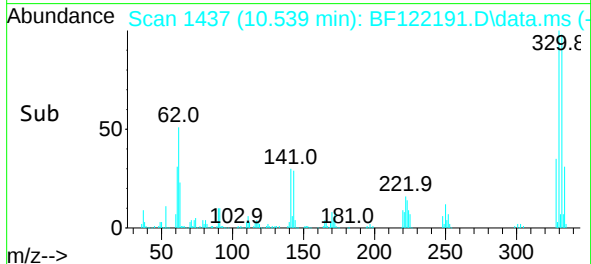
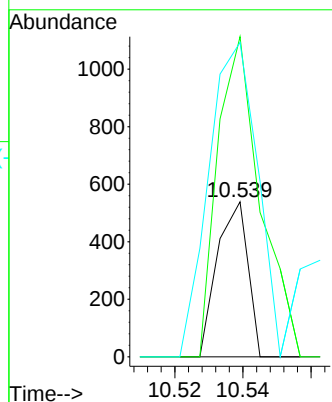
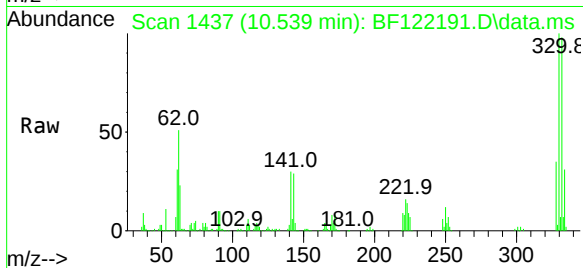




#65
4,6-Dinitro-2-methylphenol
Concen: 4.55 ng
RT: 10.539 min Scan# 1437
Delta R.T. 0.165 min
Lab File: BF122191.D
Acq: 30 Oct 2020 20:49

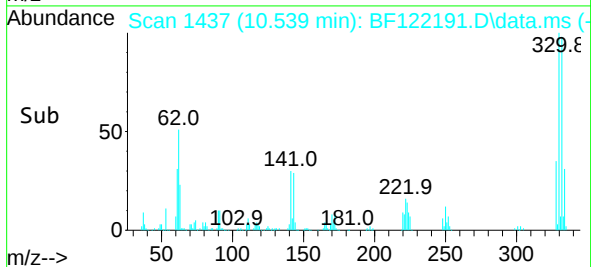
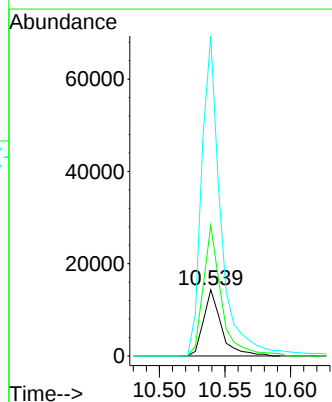
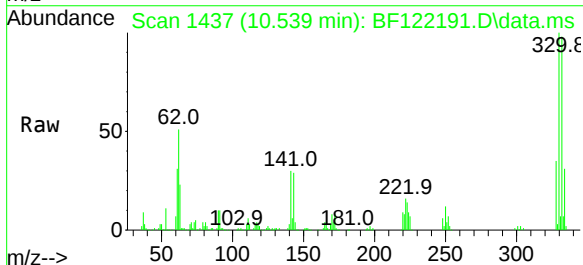
Instrument :
BNA_F
ClientSampled :
124024

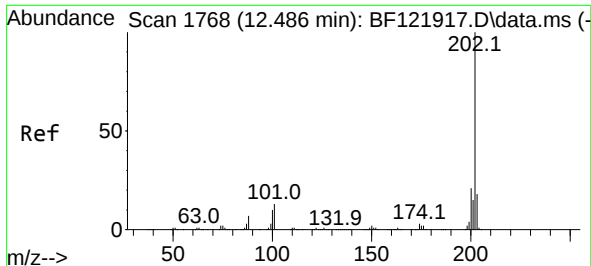
Tgt Ion:198 Resp: 335
Ion Ratio Lower Upper
198 100
51 206.5 29.6 69.6#
105 202.8 24.4 64.4#



#67
4-Bromophenyl-phenylether
Concen: 3.00 ng
RT: 10.539 min Scan# 1437
Delta R.T. -0.235 min
Lab File: BF122191.D
Acq: 30 Oct 2020 20:49

Tgt Ion:248 Resp: 13620
Ion Ratio Lower Upper
248 100
250 197.3 77.0 115.6#
141 482.8 53.7 80.5#

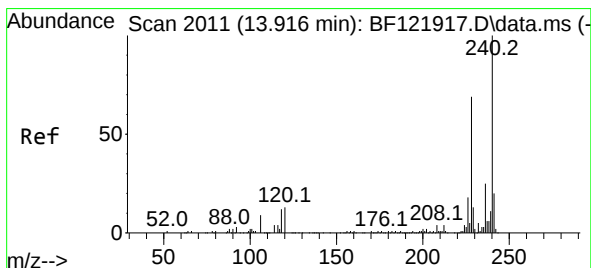
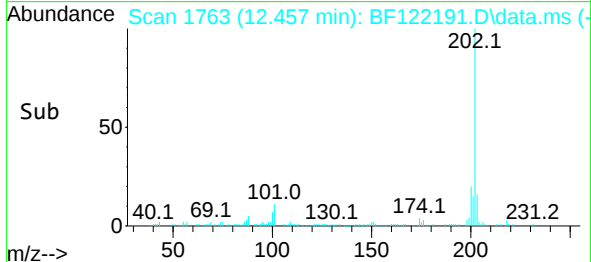
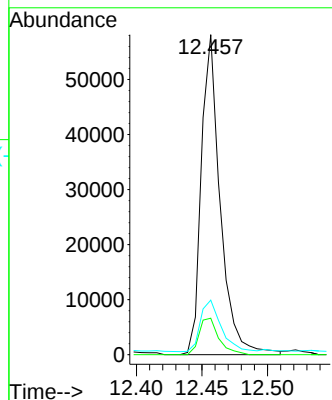
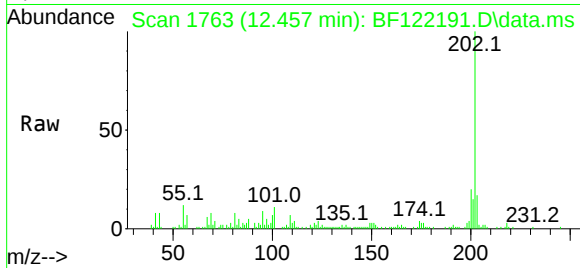




#75
Fluoranthene
Concen: 2.54 ng
RT: 12.457 min Scan# 1763
Delta R.T. 0.006 min
Lab File: BF122191.D
Acq: 30 Oct 2020 20:49

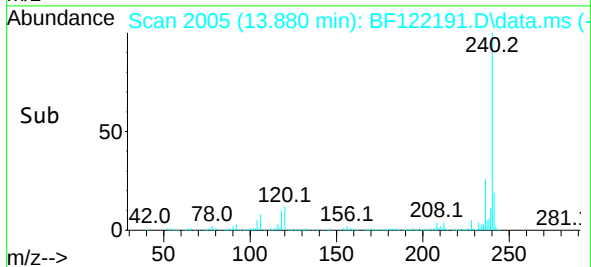
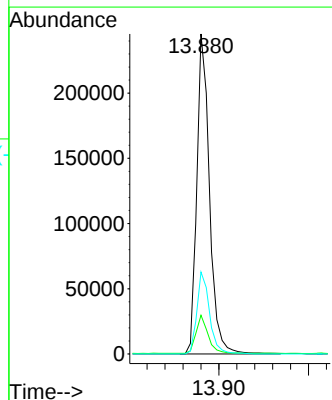
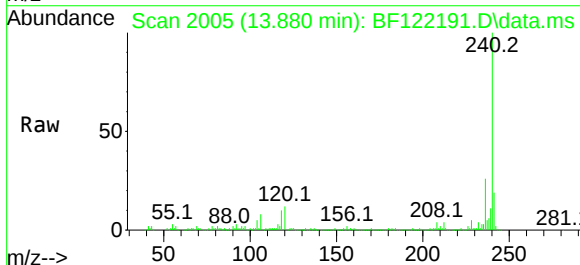
Instrument :
BNA_F
ClientSampleId :
124024

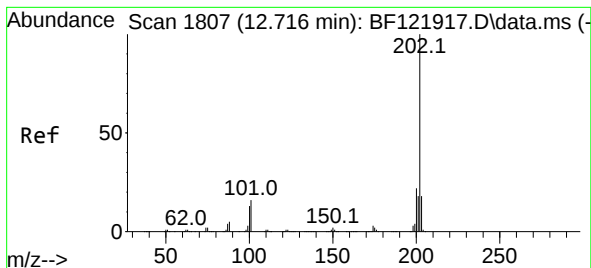
Tgt Ion:	202	Resp:	58712
Ion Ratio	Lower	Upper	
202	100		
101	11.4	0.0	33.4
203	17.0	0.0	37.9



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.880 min Scan# 2005
Delta R.T. -0.000 min
Lab File: BF122191.D
Acq: 30 Oct 2020 20:49

Tgt Ion:	240	Resp:	241044
Ion Ratio	Lower	Upper	
240	100		
120	12.1	9.2	13.8
236	25.6	20.9	31.3





#78

Pyrene

Concen: 3.26 ng

RT: 12.686 min Scan# 1802

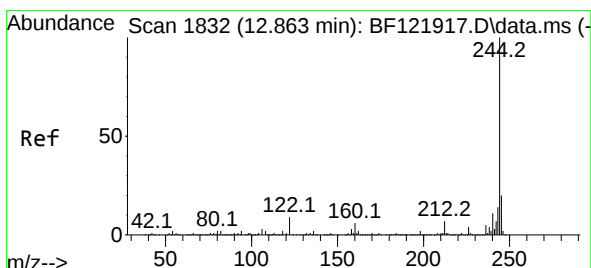
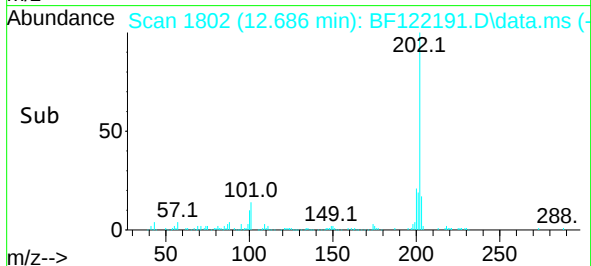
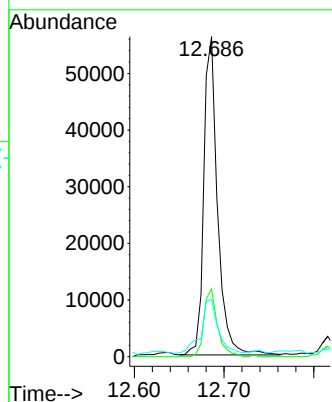
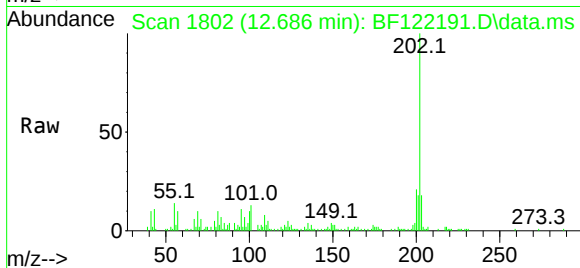
Delta R.T. 0.006 min

Lab File: BF122191.D

Acq: 30 Oct 2020 20:49

Tgt Ion:202	Resp:	59885
Ion Ratio	Lower	Upper
202	100	
200	21.1	17.4 26.2
203	18.0	14.6 21.8

Instrument :
BNA_F
ClientSampleId :
124024



#79

Terphenyl-d14

Concen: 65.82 ng

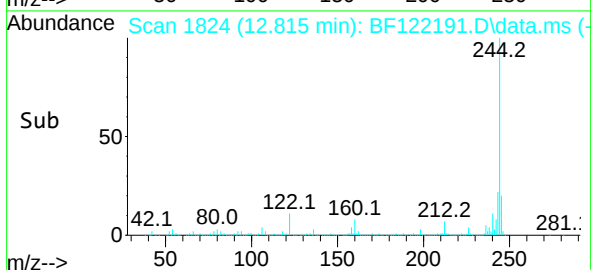
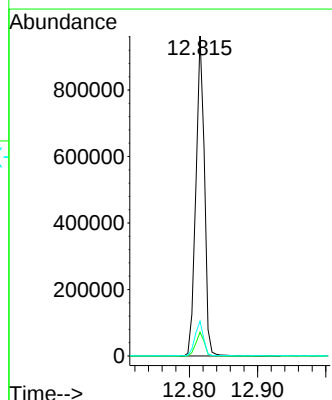
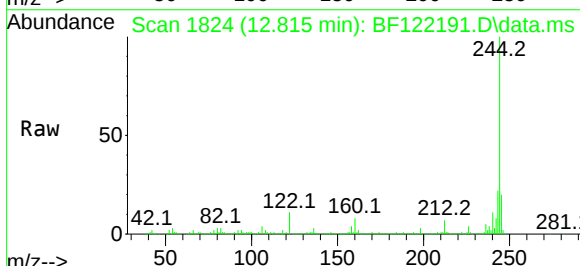
RT: 12.815 min Scan# 1824

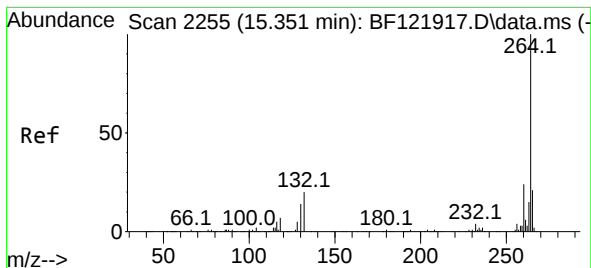
Delta R.T. -0.000 min

Lab File: BF122191.D

Acq: 30 Oct 2020 20:49

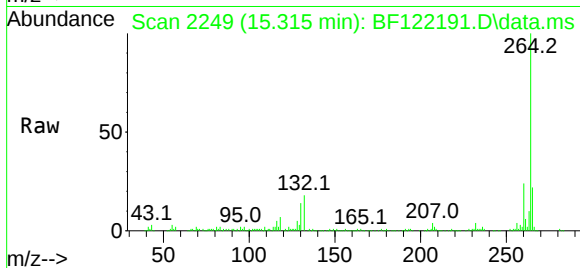
Tgt Ion:244	Resp:	832517
Ion Ratio	Lower	Upper
244	100	
212	7.4	5.4 8.2
122	10.9	8.1 12.1



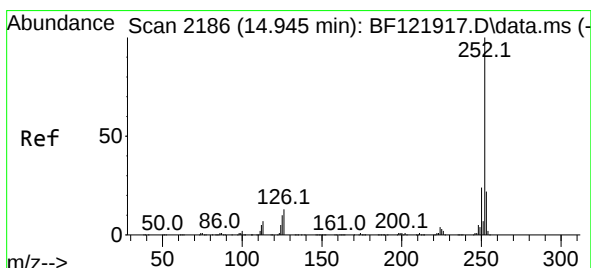
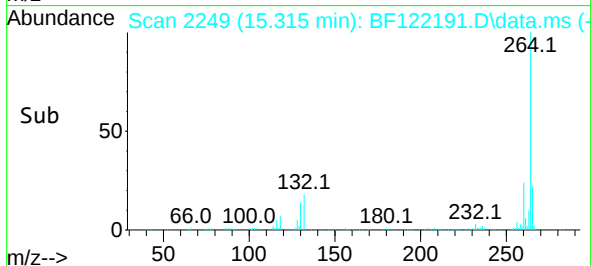
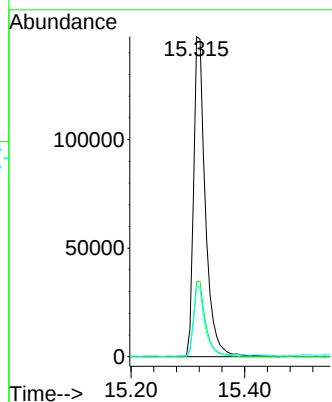


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.315 min Scan# 2249
Delta R.T. 0.012 min
Lab File: BF122191.D
Acq: 30 Oct 2020 20:49

Instrument :
BNA_F
ClientSampled :
124024

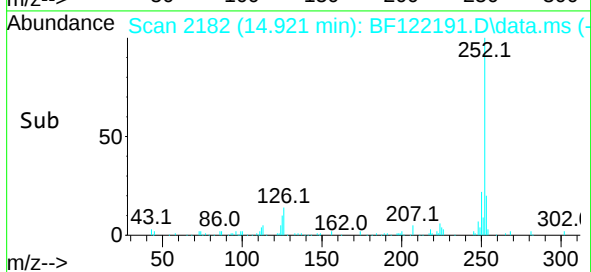
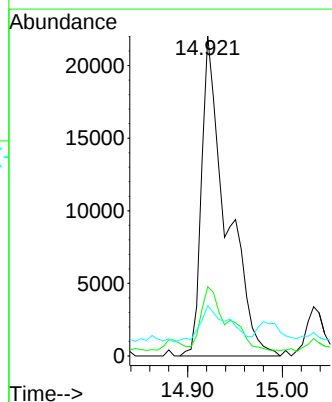
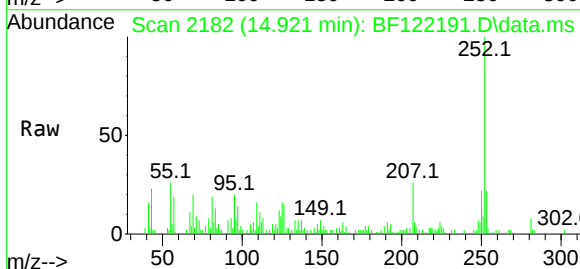


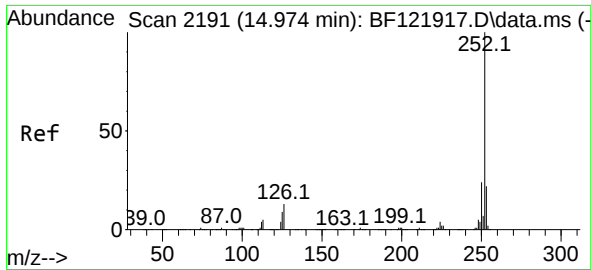
Tgt Ion:264 Resp: 212807
Ion Ratio Lower Upper
264 100
260 23.5 18.7 28.1
265 22.2 17.3 25.9



#88
Benzo(b)fluoranthene
Concen: 2.77 ng
RT: 14.921 min Scan# 2182
Delta R.T. 0.023 min
Lab File: BF122191.D
Acq: 30 Oct 2020 20:49

Tgt Ion:252 Resp: 39839
Ion Ratio Lower Upper
252 100
253 21.6 18.2 27.2
125 15.7 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 2.92 ng

RT: 14.921 min Scan# 2182

Delta R.T. -0.006 min

Lab File: BF122191.D

Acq: 30 Oct 2020 20:49

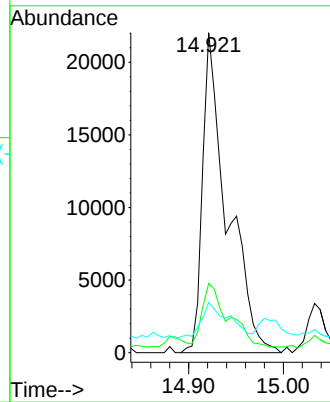
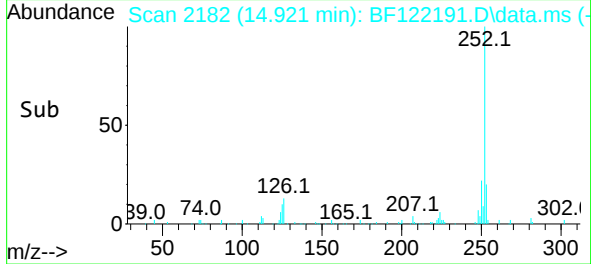
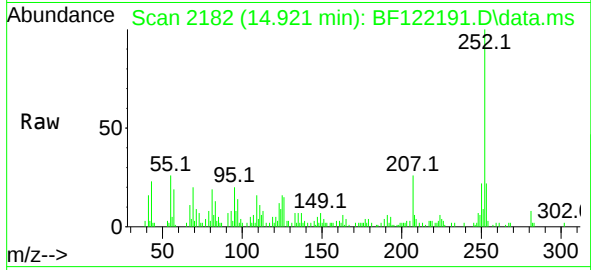
Tgt Ion:252 Resp: 39839

Ion Ratio Lower Upper

252 100

253 21.6 17.8 26.6

125 15.7 7.7 11.5#



Instrument :

BNA_F

ClientSampleId :

124024