

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102820\
 Data File : BF122149.D
 Acq On : 28 Oct 2020 15:55
 Operator : JU/CG
 Sample : L4224-11 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-102720

Quant Time: Oct 28 17:00:59 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 26 17:27:32 2020
 Response via : Initial Calibration

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

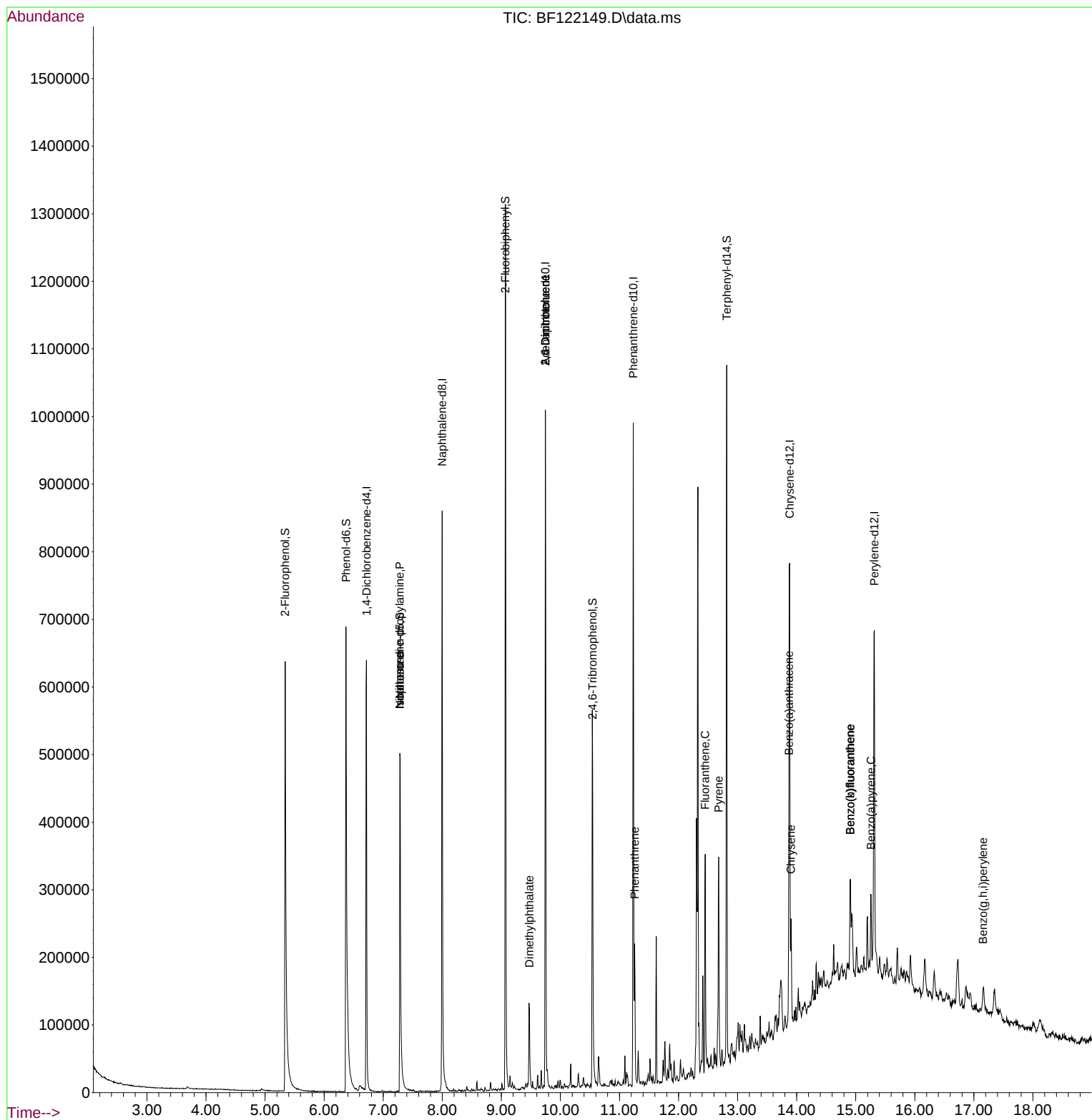
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.716	152	102469	20.00	ng	0.00
21) Naphthalene-d8	7.998	136	401800	20.00	ng	0.00
39) Acenaphthene-d10	9.745	164	198122	20.00	ng	0.00
64) Phenanthrene-d10	11.233	188	327413	20.00	ng	0.00
76) Chrysene-d12	13.880	240	227251	20.00	ng	0.00
86) Perylene-d12	15.316	264	238724	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	274739	39.57	ng	0.00
7) Phenol-d6	6.369	99	353667	39.57	ng	0.00
23) Nitrobenzene-d5	7.281	82	216891	27.68	ng	0.00
42) 2,4,6-Tribromophenol	10.545	330	80575	32.88	ng	0.00
45) 2-Fluorobiphenyl	9.069	172	391912	29.11	ng	0.00
79) Terphenyl-d14	12.816	244	292482	24.53	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.369	77	184	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	7.281	70	28631	5.63 ng	#	82
25) Isophorone	7.281	82	216891	14.64 ng	#	67
50) Dimethylphthalate	9.475	163	57741	3.99 ng		100
51) 2,6-Dinitrotoluene	9.745	165	25701	8.09 ng	#	21
57) 2,4-Dinitrotoluene	9.745	165	25701	6.57 ng	#	20
71) Phenanthrene	11.257	178	75306	4.19 ng		99
75) Fluoranthene	12.451	202	126361	6.56 ng		97
78) Pyrene	12.680	202	116414	6.72 ng		99
81) Benzo(a)anthracene	13.869	228	61748	4.15 ng		98
83) Chrysene	13.904	228	57514	3.93 ng		98
88) Benzo(b)fluoranthene	14.910	252	101666	6.30 ng		97
89) Benzo(k)fluoranthene	14.910	252	101666	6.63 ng		96
90) Benzo(a)pyrene	15.257	252	52740	3.78 ng	#	96
92) Benzo(g,h,i)perylene	17.157	276	32179	2.52 ng		95

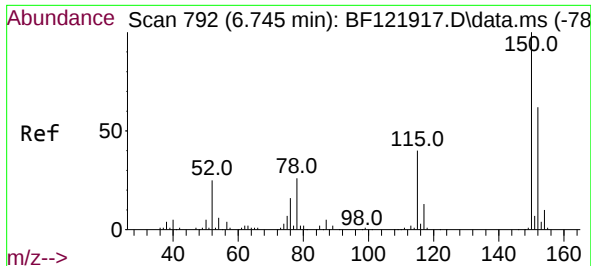
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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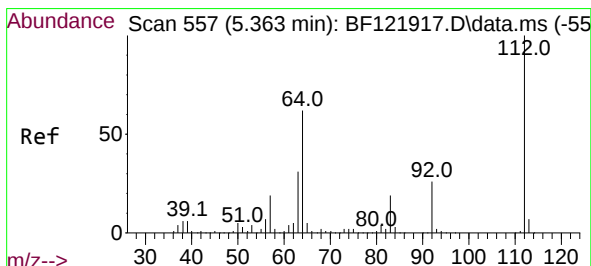
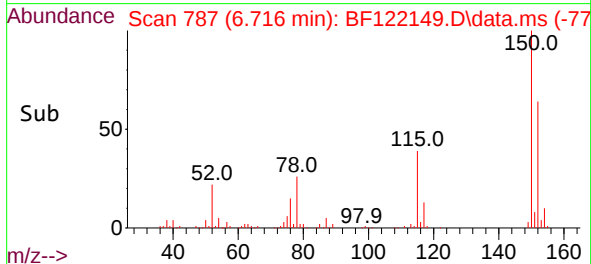
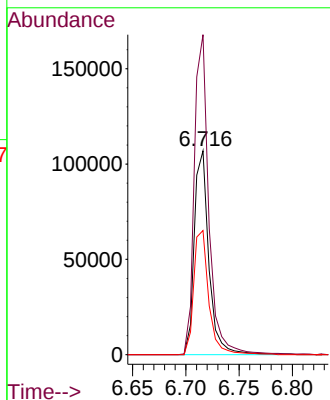
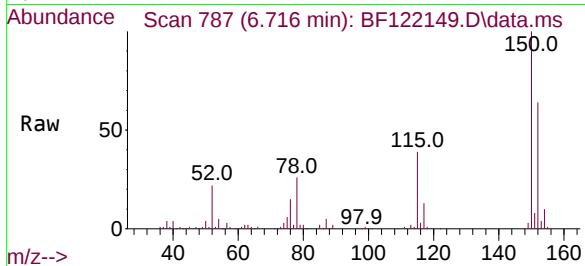




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.716 min Scan# 787
Delta R.T. 0.000 min
Lab File: BF122149.D
Acq: 28 Oct 2020 15:55

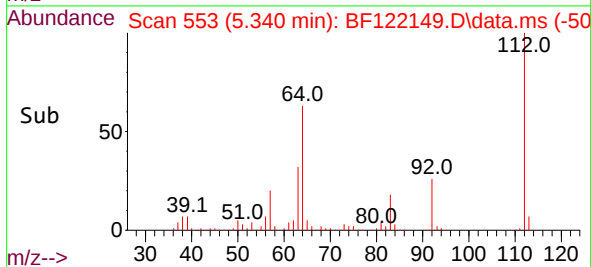
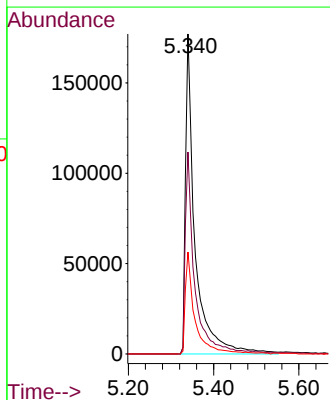
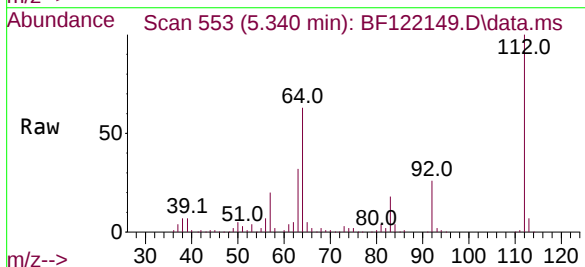
Instrument :
BNA_F
ClientSampleId :
OR-02-102720

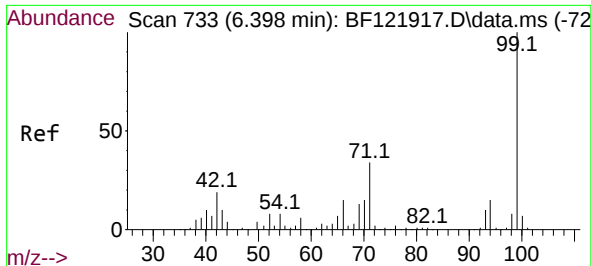
Tgt Ion:152 Resp: 102469
Ion Ratio Lower Upper
152 100
150 157.0 125.3 187.9
115 60.9 51.9 77.9



#5
2-Fluorophenol
Concen: 39.57 ng
RT: 5.340 min Scan# 553
Delta R.T. 0.006 min
Lab File: BF122149.D
Acq: 28 Oct 2020 15:55

Tgt Ion:112 Resp: 274739
Ion Ratio Lower Upper
112 100
64 63.1 50.4 75.6
63 31.8 25.8 38.6

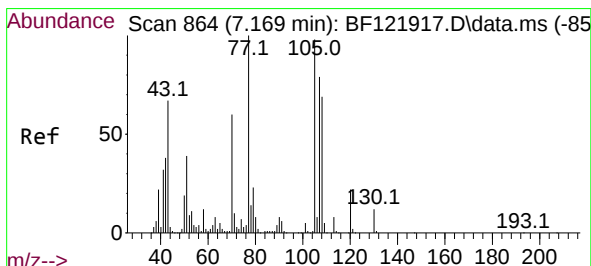
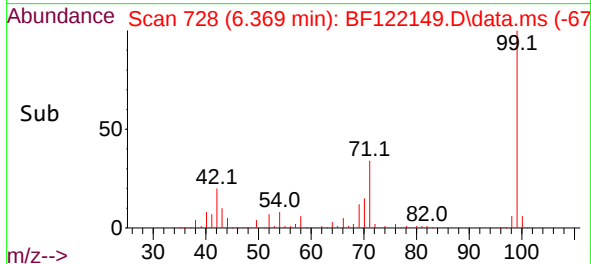
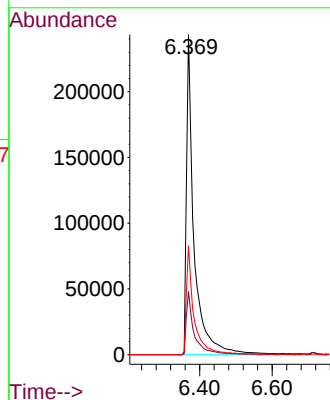
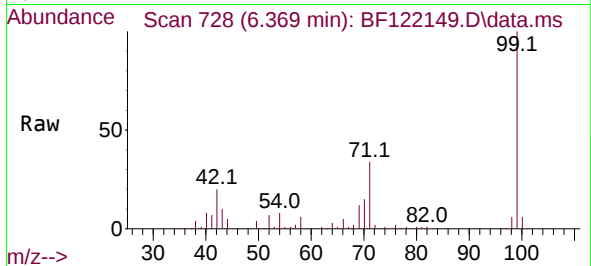




#7
Phenol-d6
Concen: 39.57 ng
RT: 6.369 min Scan# 728
Delta R.T. 0.000 min
Lab File: BF122149.D
Acq: 28 Oct 2020 15:55

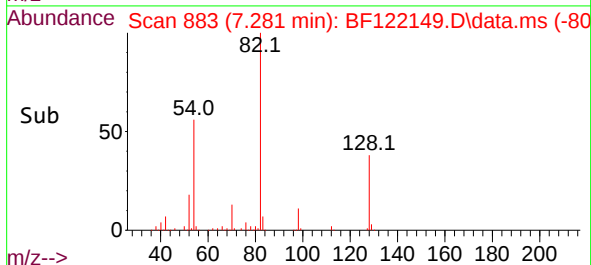
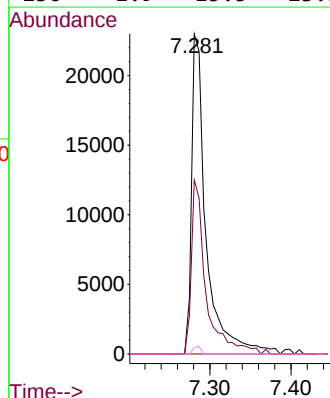
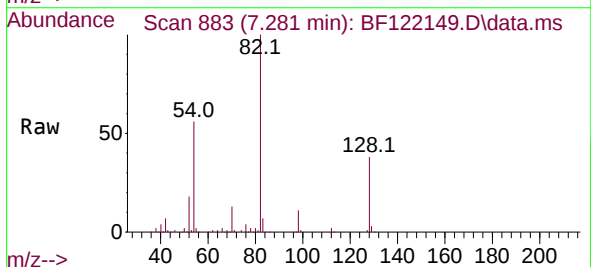
Instrument :
BNA_F
ClientSampleId :
OR-02-102720

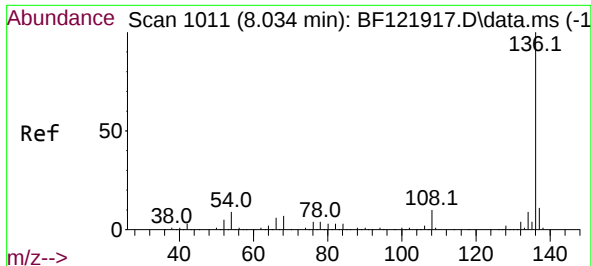
Tgt Ion: 99 Resp: 353667
Ion Ratio Lower Upper
99 100
42 19.7 15.9 23.9
71 34.1 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 5.63 ng
RT: 7.281 min Scan# 883
Delta R.T. 0.141 min
Lab File: BF122149.D
Acq: 28 Oct 2020 15:55

Tgt Ion: 70 Resp: 28631
Ion Ratio Lower Upper
70 100
42 54.3 50.2 75.4
101 0.0 7.5 11.3#
130 1.9 15.5 23.3#



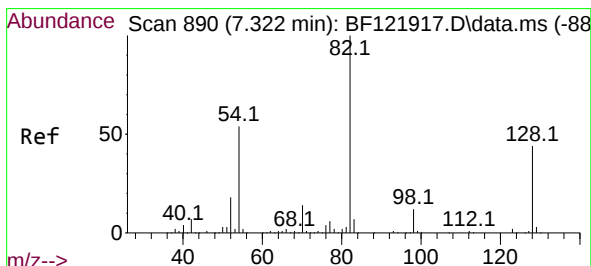
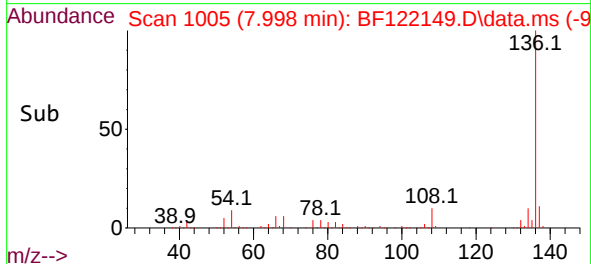
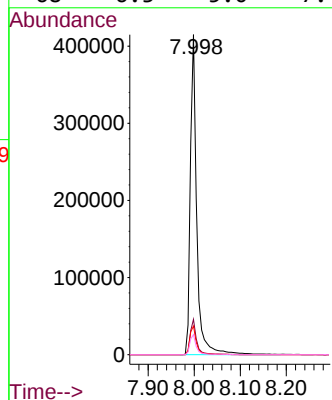
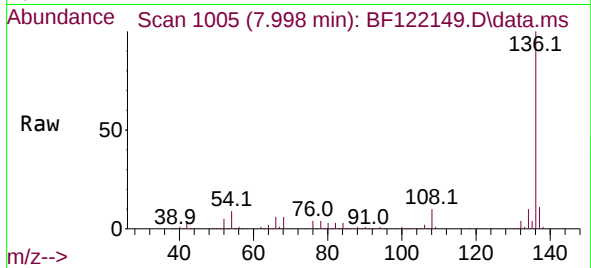


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.998 min Scan# 1005
Delta R.T. 0.000 min
Lab File: BF122149.D
Acq: 28 Oct 2020 15:55

Instrument :
BNA_F
ClientSampleId :
OR-02-102720

Tgt Ion:136 Resp: 401800

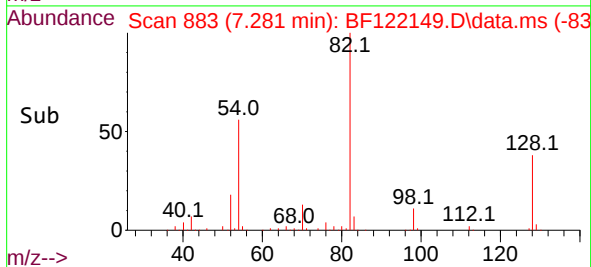
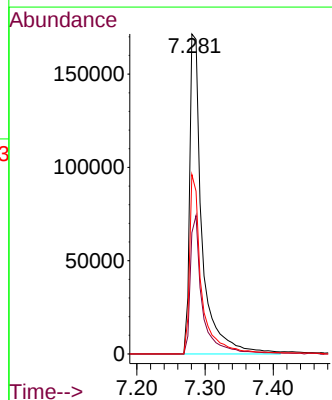
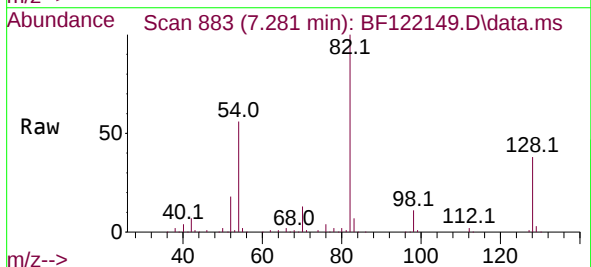
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	9.0	7.1	10.7
68	6.3	5.0	7.4

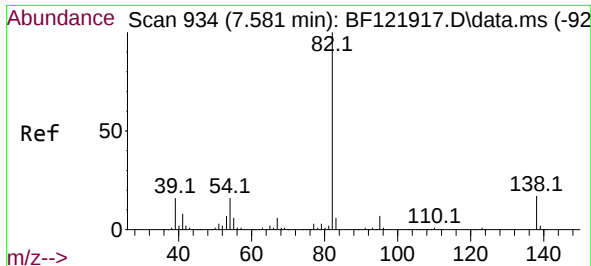


#23
Nitrobenzene-d5
Concen: 27.68 ng
RT: 7.281 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF122149.D
Acq: 28 Oct 2020 15:55

Tgt Ion: 82 Resp: 216891

Ion	Ratio	Lower	Upper
82	100		
128	37.9	35.0	52.4
54	56.0	43.9	65.9

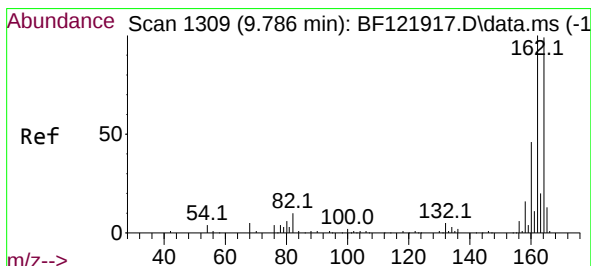
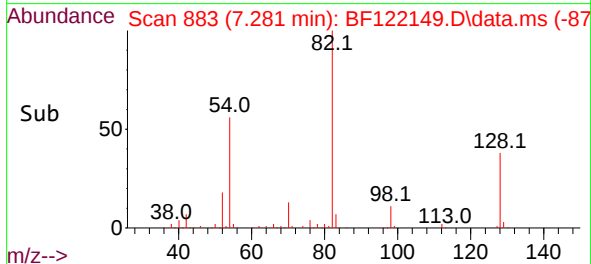
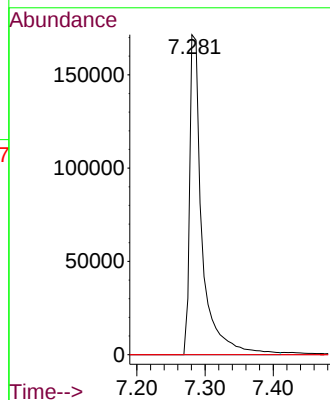
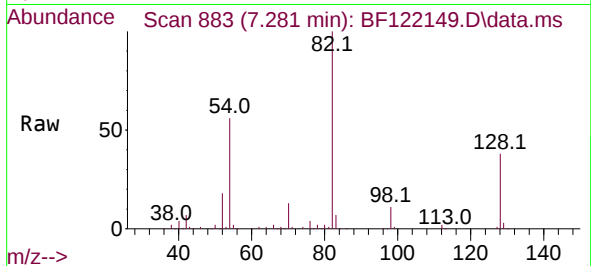




#25
Isophorone
Concen: 14.64 ng
RT: 7.281 min Scan# 883
Delta R.T. -0.265 min
Lab File: BF122149.D
Acq: 28 Oct 2020 15:55

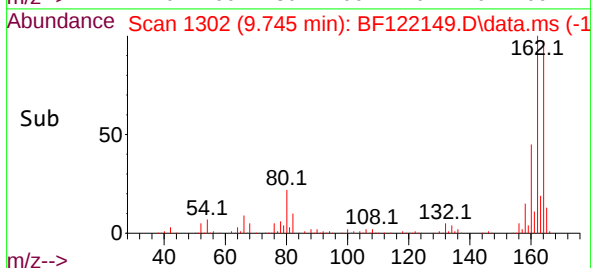
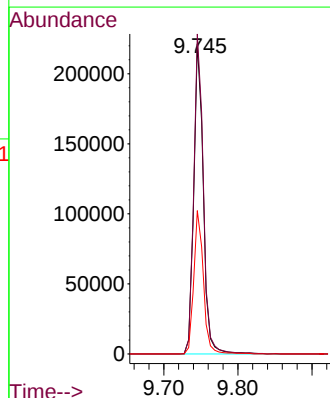
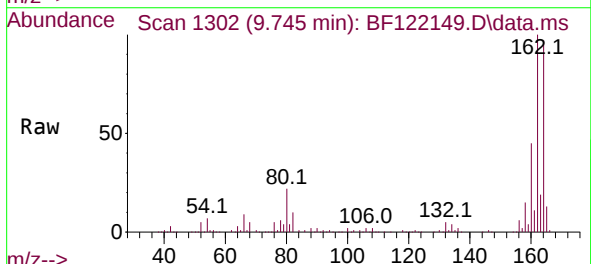
Instrument :
BNA_F
ClientSampleId :
OR-02-102720

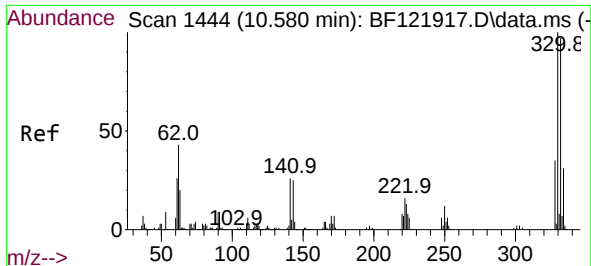
Tgt Ion: 82 Resp: 216891
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BF122149.D
Acq: 28 Oct 2020 15:55

Tgt Ion:164 Resp: 198122
Ion Ratio Lower Upper
164 100
162 103.2 83.2 124.8
160 46.2 37.5 56.3

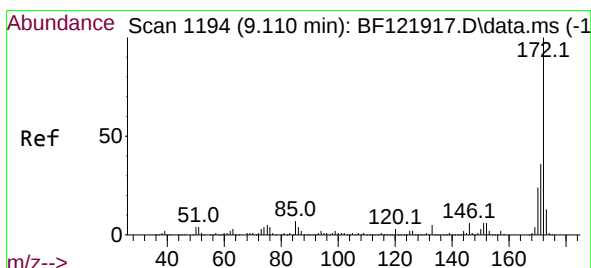
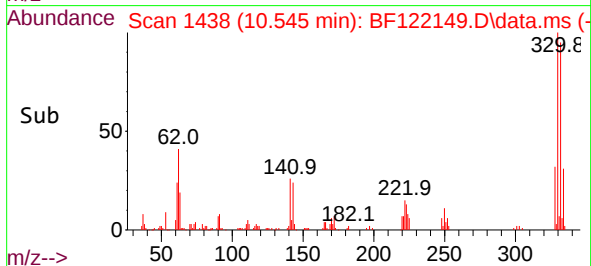
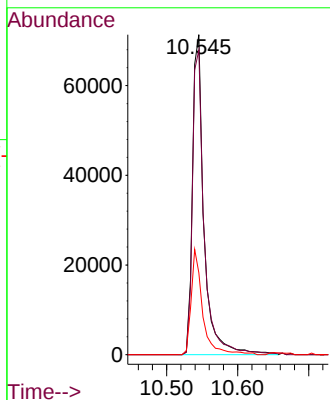
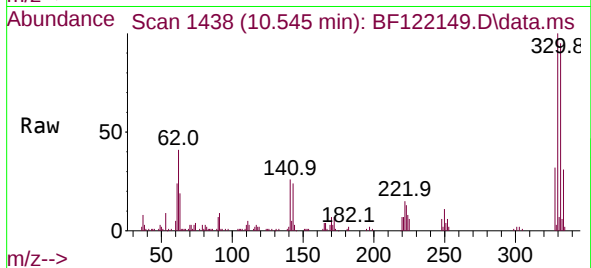




#42
2,4,6-Tribromophenol
Concen: 32.88 ng
RT: 10.545 min Scan# 1438
Delta R.T. 0.000 min
Lab File: BF122149.D
Acq: 28 Oct 2020 15:55

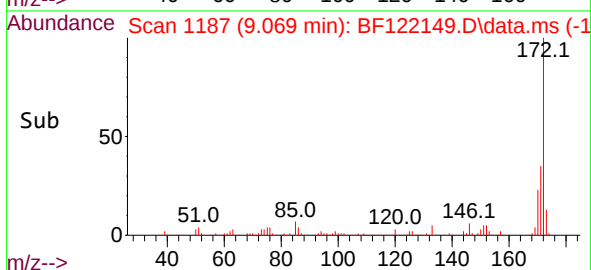
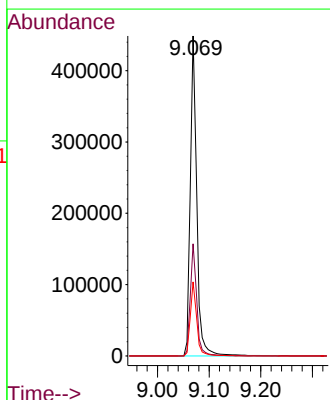
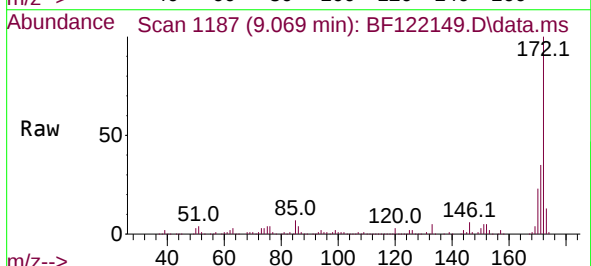
Instrument :
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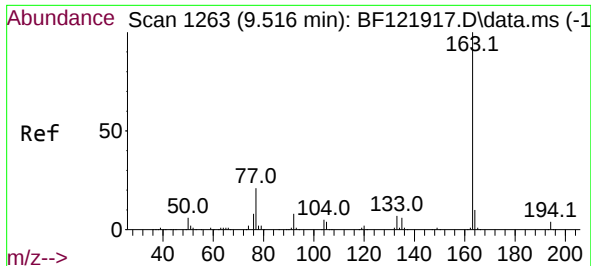
Tgt Ion:330 Resp: 80575
Ion Ratio Lower Upper
330 100
332 97.4 77.3 115.9
141 32.9 22.3 33.5



#45
2-Fluorobiphenyl
Concen: 29.11 ng
RT: 9.069 min Scan# 1187
Delta R.T. -0.006 min
Lab File: BF122149.D
Acq: 28 Oct 2020 15:55

Tgt Ion:172 Resp: 391912
Ion Ratio Lower Upper
172 100
171 35.1 29.1 43.7
170 23.1 19.8 29.6

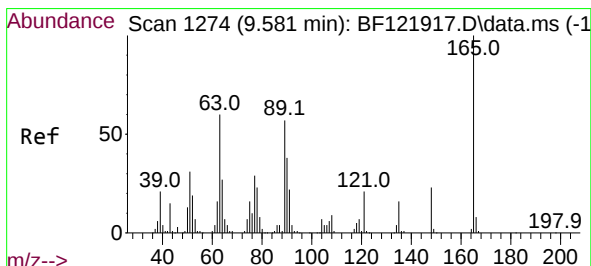
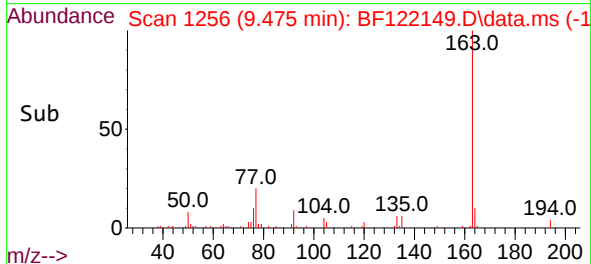
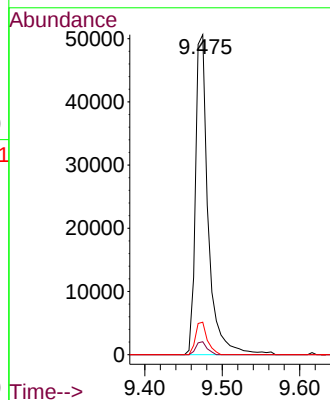
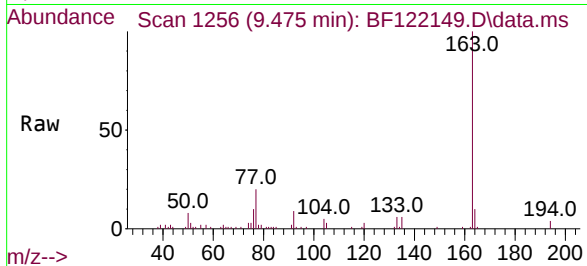




#50
Dimethylphthalate
Concen: 3.99 ng
RT: 9.475 min Scan# 1256
Delta R.T. -0.006 min
Lab File: BF122149.D
Acq: 28 Oct 2020 15:55

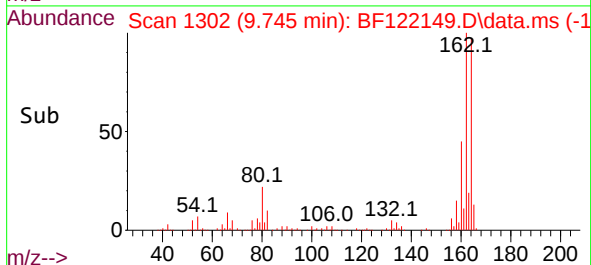
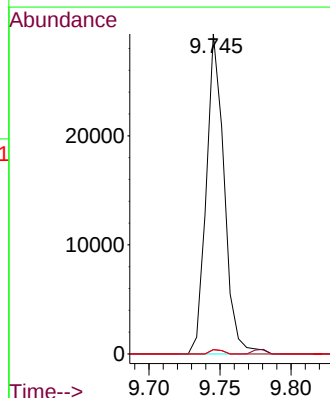
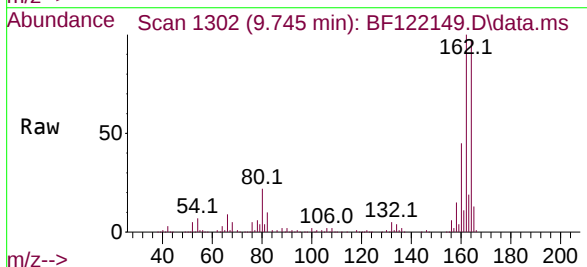
Instrument :
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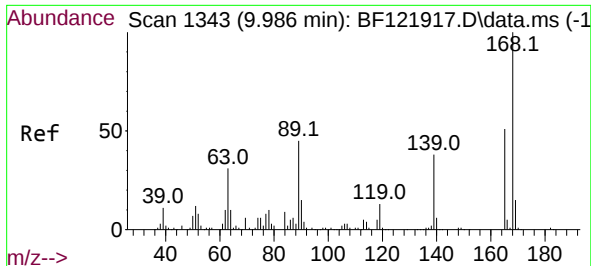
Tgt Ion:163 Resp: 57741
Ion Ratio Lower Upper
163 100
194 4.1 3.3 4.9
164 10.2 8.2 12.4



#51
2,6-Dinitrotoluene
Concen: 8.09 ng
RT: 9.745 min Scan# 1302
Delta R.T. 0.194 min
Lab File: BF122149.D
Acq: 28 Oct 2020 15:55

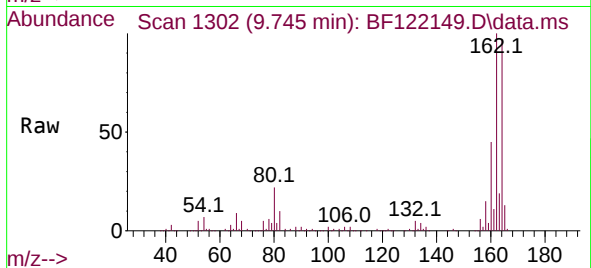
Tgt Ion:165 Resp: 25701
Ion Ratio Lower Upper
165 100
63 1.4 51.8 77.6#
89 1.3 49.0 73.6#



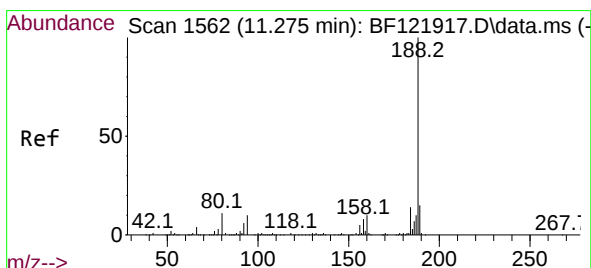
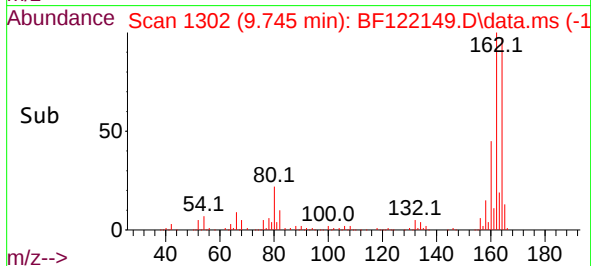
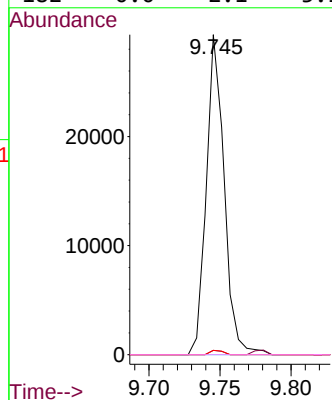


#57
2,4-Dinitrotoluene
Concen: 6.57 ng
RT: 9.745 min Scan# 1302
Delta R.T. -0.218 min
Lab File: BF122149.D
Acq: 28 Oct 2020 15:55

Instrument :
BNA_F
ClientSampleId :
OR-02-102720

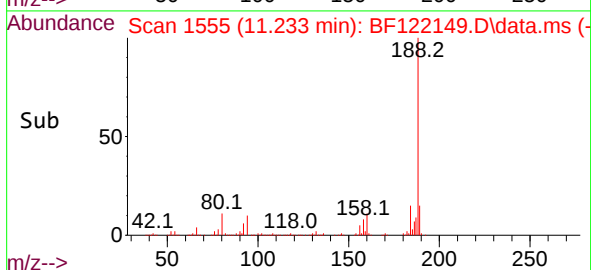
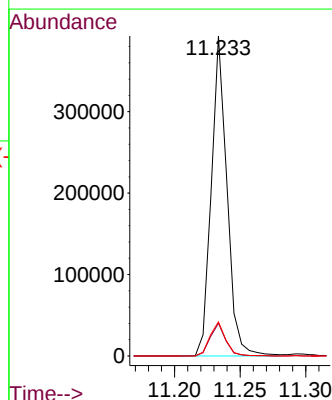
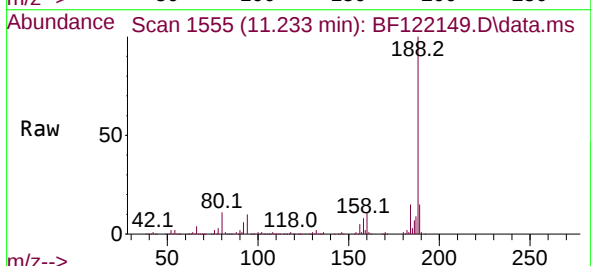


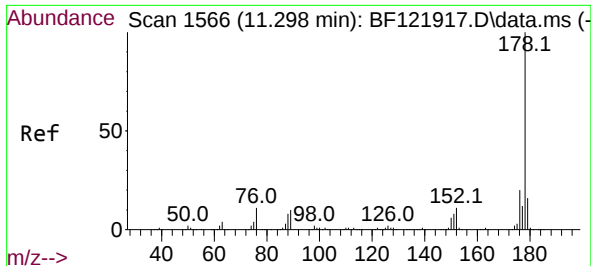
Tgt Ion:165	Resp:	25701
Ion	Ratio	Lower Upper
165	100	
63	1.4	41.3 61.9#
89	1.3	61.8 92.8#
182	0.0	2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.233 min Scan# 1555
Delta R.T. 0.000 min
Lab File: BF122149.D
Acq: 28 Oct 2020 15:55

Tgt Ion:188	Resp:	327413
Ion	Ratio	Lower Upper
188	100	
94	10.2	8.3 12.5
80	10.6	9.1 13.7

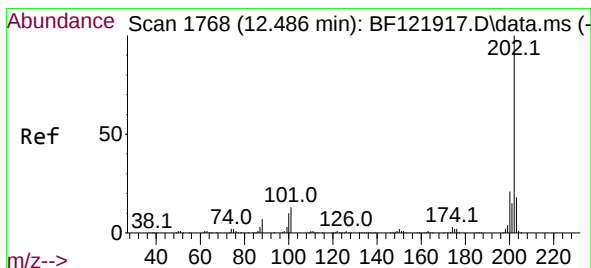
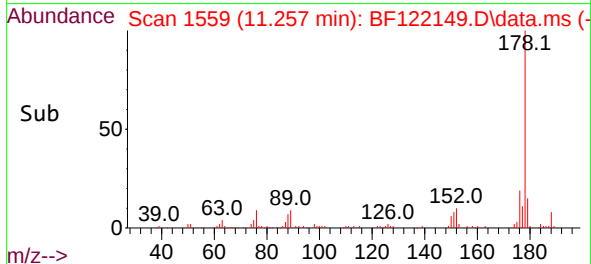
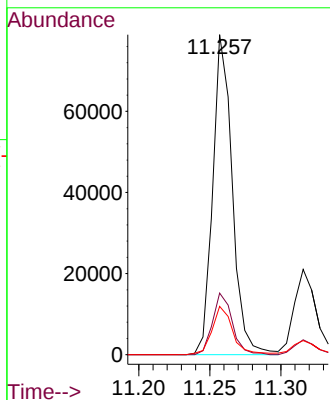
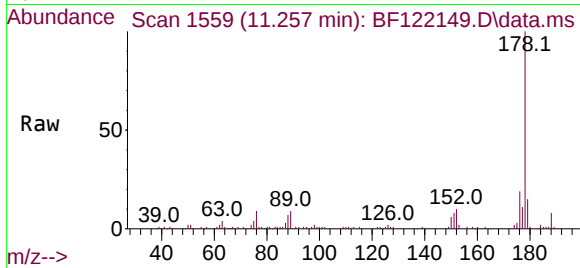




#71
Phenanthrene
Concen: 4.19 ng
RT: 11.257 min Scan# 1559
Delta R.T. -0.006 min
Lab File: BF122149.D
Acq: 28 Oct 2020 15:55

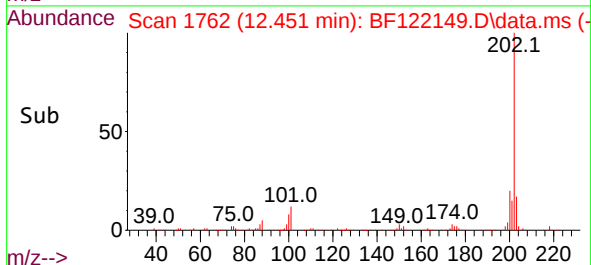
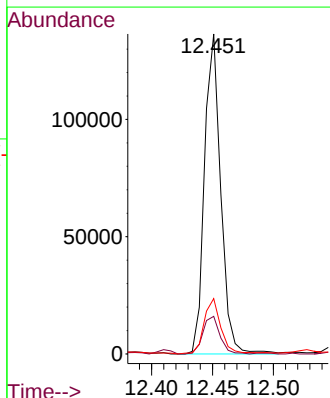
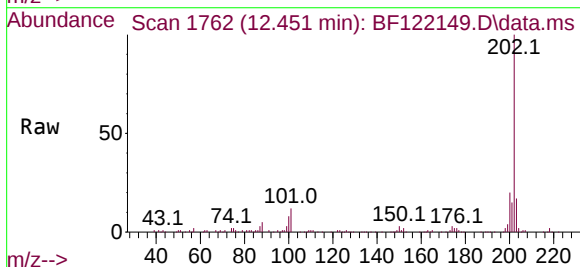
Instrument :
BNA_F
ClientSampleId :
OR-02-102720

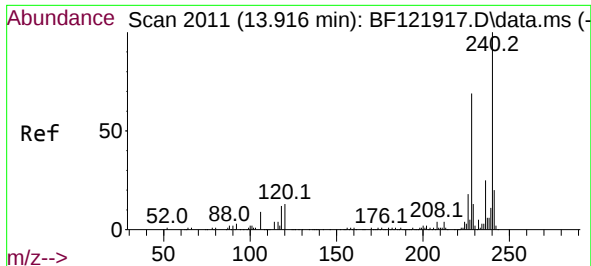
Tgt Ion:178 Resp: 75306
Ion Ratio Lower Upper
178 100
176 19.2 15.9 23.9
179 15.1 12.2 18.4



#75
Fluoranthene
Concen: 6.56 ng
RT: 12.451 min Scan# 1762
Delta R.T. 0.000 min
Lab File: BF122149.D
Acq: 28 Oct 2020 15:55

Tgt Ion:202 Resp: 126361
Ion Ratio Lower Upper
202 100
101 11.8 0.0 33.4
203 17.3 0.0 37.9

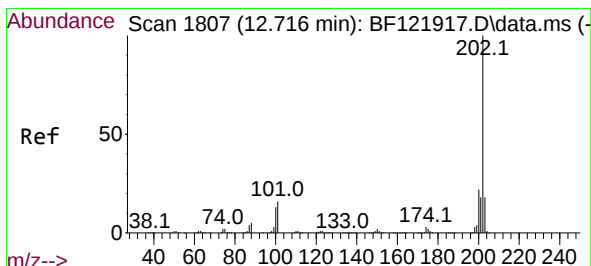
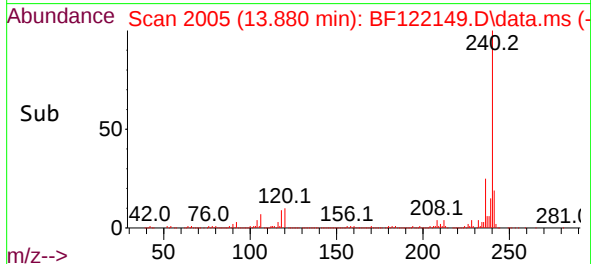
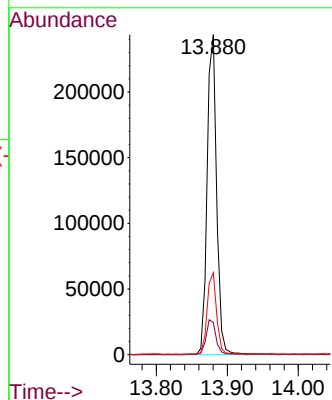
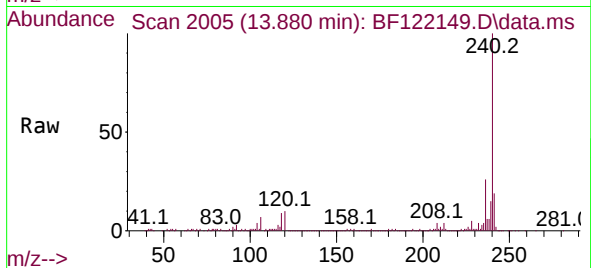




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.880 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BF122149.D
Acq: 28 Oct 2020 15:55

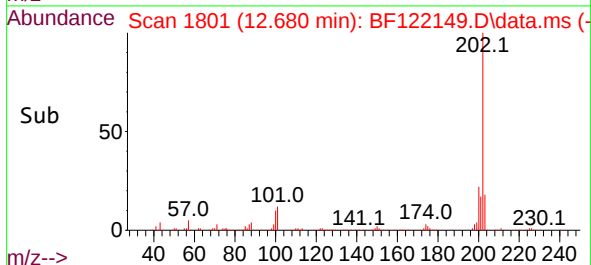
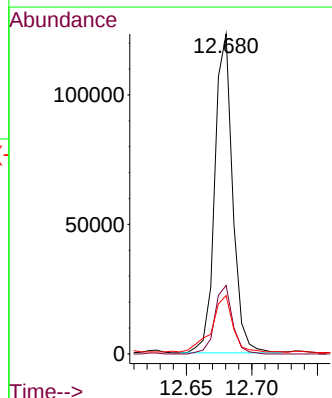
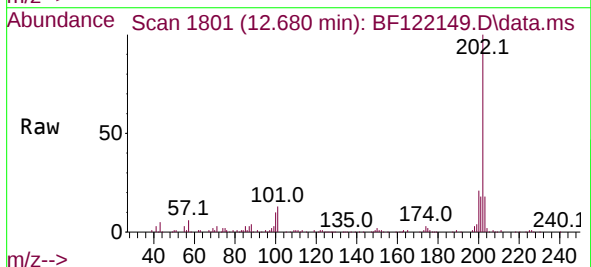
Instrument :
BNA_F
ClientSampleId :
OR-02-102720

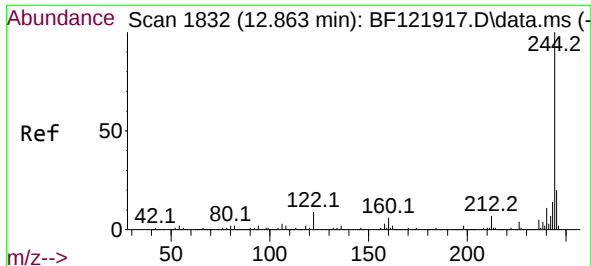
Tgt Ion:240 Resp: 227251
Ion Ratio Lower Upper
240 100
120 10.1 9.2 13.8
236 25.6 20.9 31.3



#78
Pyrene
Concen: 6.72 ng
RT: 12.680 min Scan# 1801
Delta R.T. 0.000 min
Lab File: BF122149.D
Acq: 28 Oct 2020 15:55

Tgt Ion:202 Resp: 116414
Ion Ratio Lower Upper
202 100
200 21.4 17.4 26.2
203 18.3 14.6 21.8

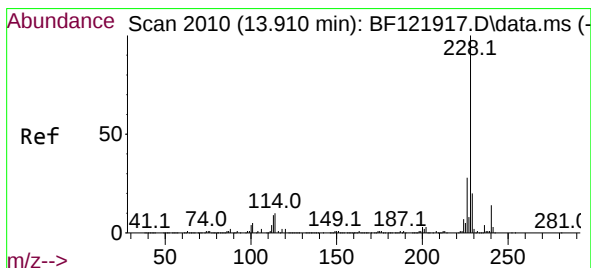
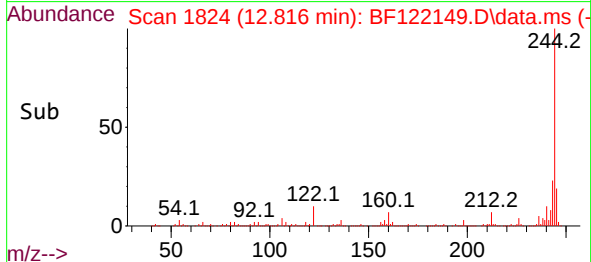
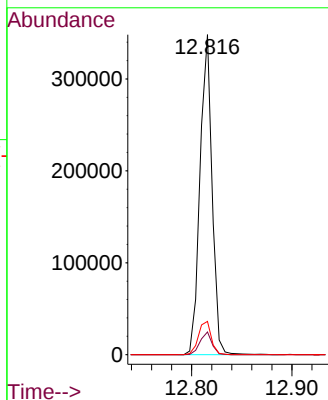
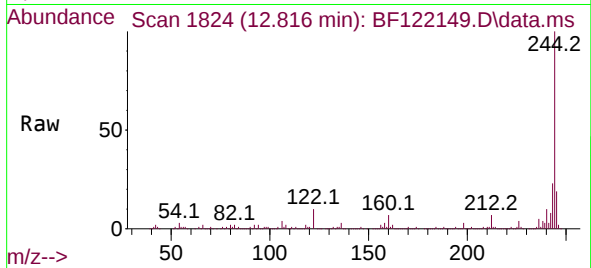




#79
 Terphenyl-d14
 Concen: 24.53 ng
 RT: 12.816 min Scan# 1824
 Delta R.T. 0.000 min
 Lab File: BF122149.D
 Acq: 28 Oct 2020 15:55

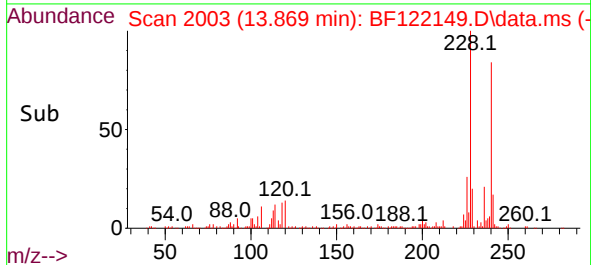
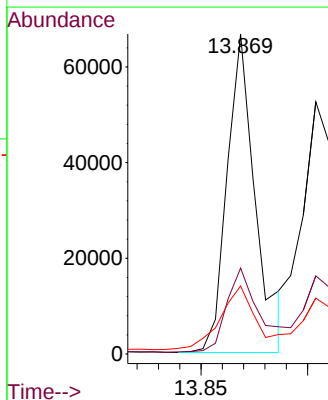
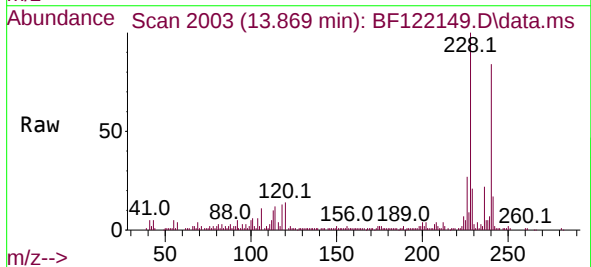
Instrument :
 BNA_F
 ClientSampleId :
 OR-02-102720

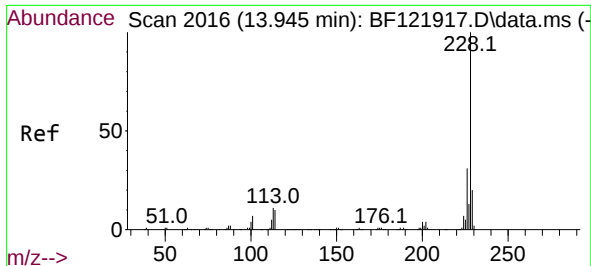
Tgt Ion:244 Resp: 292482
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.2
 122 10.4 8.1 12.1



#81
 Benzo(a)anthracene
 Concen: 4.15 ng
 RT: 13.869 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: BF122149.D
 Acq: 28 Oct 2020 15:55

Tgt Ion:228 Resp: 61748
 Ion Ratio Lower Upper
 228 100
 226 26.8 22.3 33.5
 229 21.2 16.2 24.4

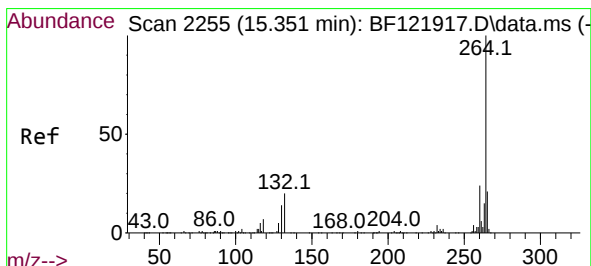
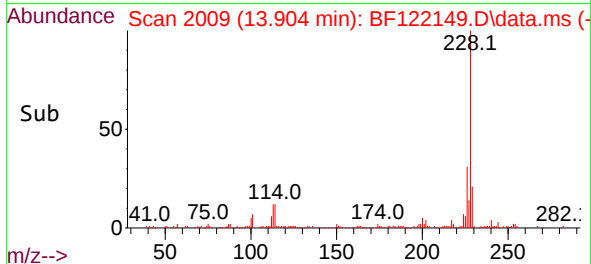
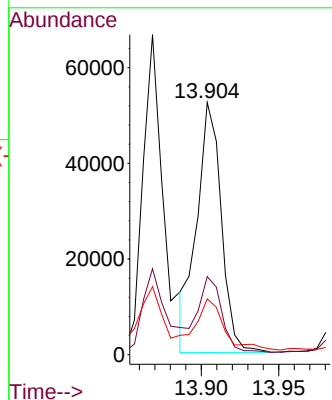
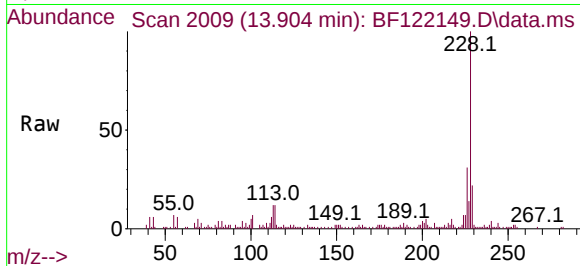




#83
Chrysene
Concen: 3.93 ng
RT: 13.904 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF122149.D
Acq: 28 Oct 2020 15:55

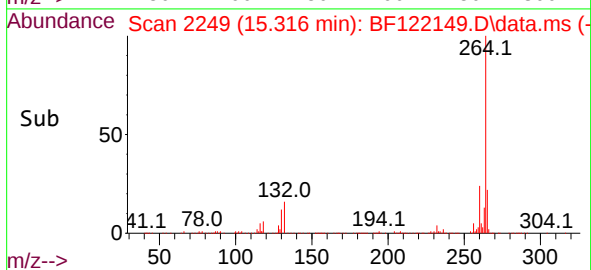
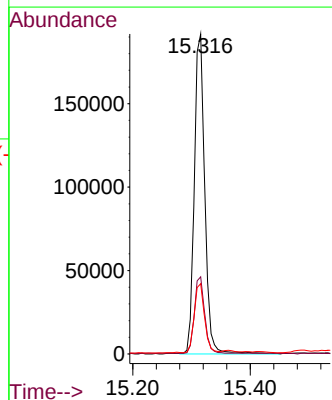
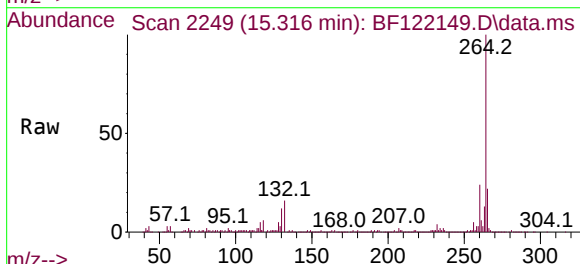
Instrument :
BNA_F
ClientSampleId :
OR-02-102720

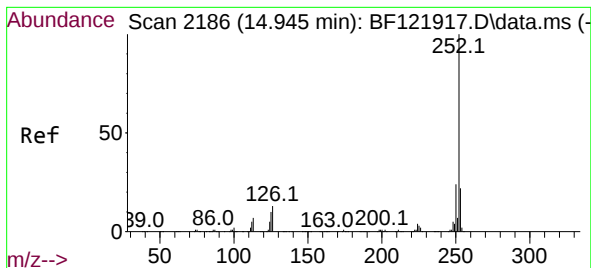
Tgt Ion:228	Resp:	57514
Ion Ratio	Lower	Upper
228	100	
226	31.0	24.6 37.0
229	22.1	15.9 23.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.316 min Scan# 2249
Delta R.T. 0.012 min
Lab File: BF122149.D
Acq: 28 Oct 2020 15:55

Tgt Ion:264	Resp:	238724
Ion Ratio	Lower	Upper
264	100	
260	24.1	18.7 28.1
265	22.0	17.3 25.9





#88

Benzo(b)fluoranthene

Concen: 6.30 ng

RT: 14.910 min Scan# 2180

Delta R.T. 0.012 min

Lab File: BF122149.D

Acq: 28 Oct 2020 15:55

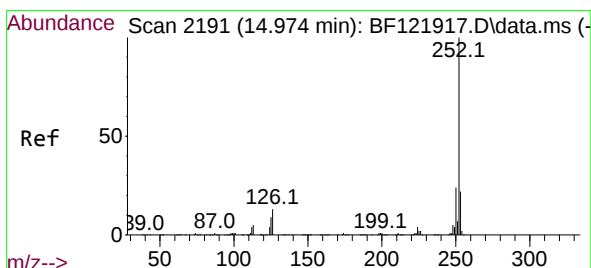
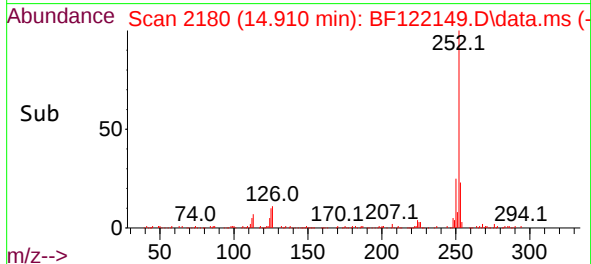
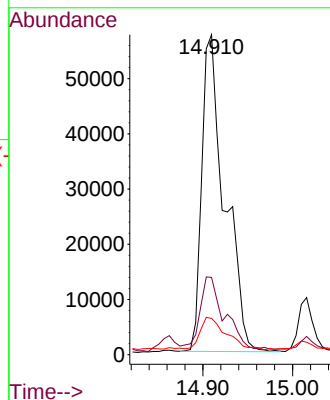
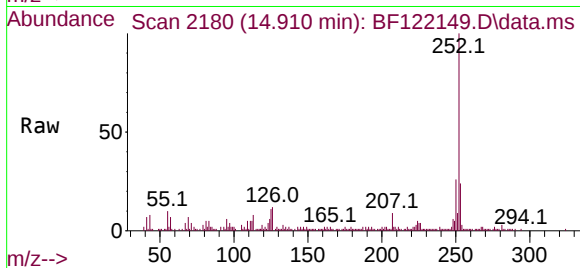
Tgt Ion:	252	Resp:	101666
Ion Ratio	Lower	Upper	
252	100		
253	24.2	18.2	27.2
125	11.4	8.0	12.0

Instrument :

BNA_F

ClientSampleId :

OR-02-102720



#89

Benzo(k)fluoranthene

Concen: 6.63 ng

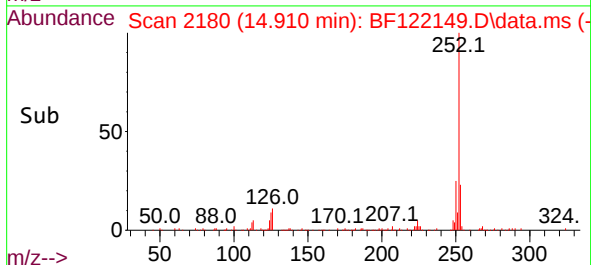
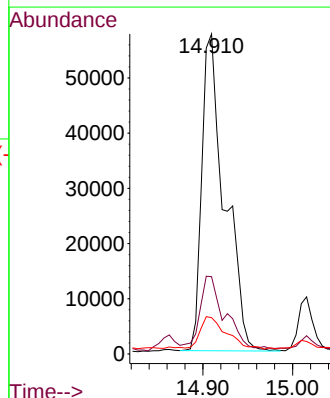
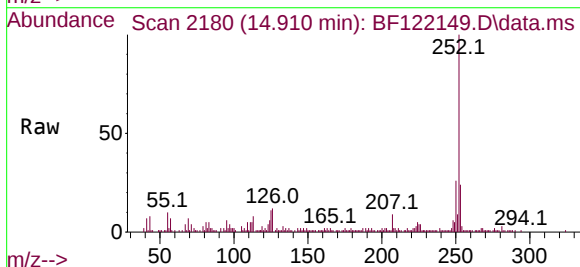
RT: 14.910 min Scan# 2180

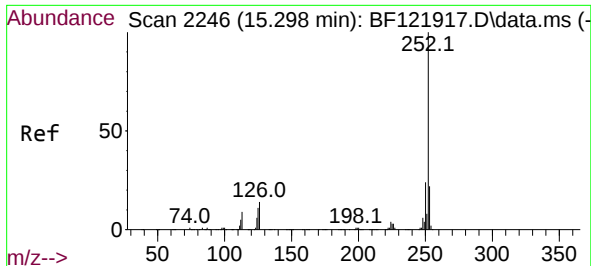
Delta R.T. -0.018 min

Lab File: BF122149.D

Acq: 28 Oct 2020 15:55

Tgt Ion:	252	Resp:	101666
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.8	26.6
125	11.4	7.7	11.5

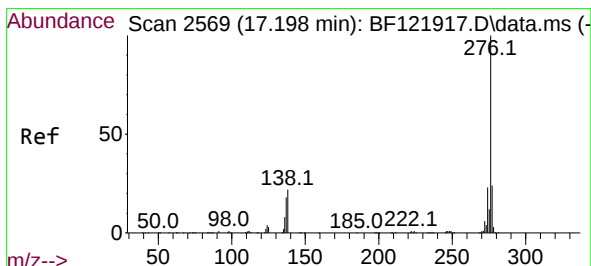
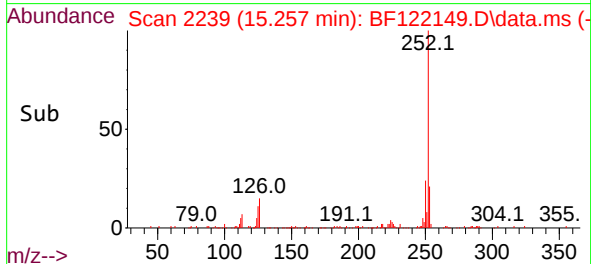
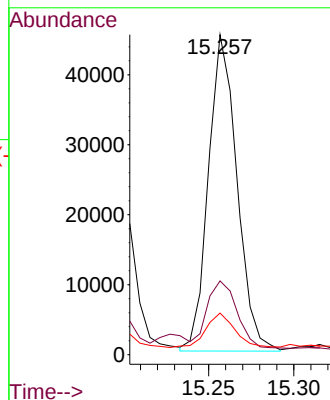
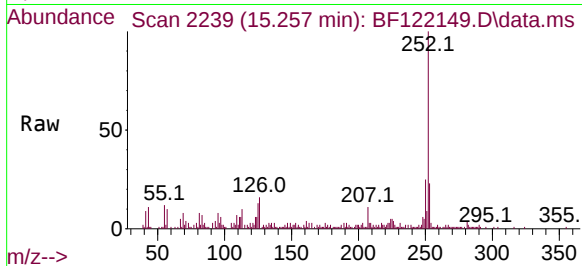




#90
Benzo(a)pyrene
Concen: 3.78 ng
RT: 15.257 min Scan# 2239
Delta R.T. 0.006 min
Lab File: BF122149.D
Acq: 28 Oct 2020 15:55

Instrument :
BNA_F
ClientSampleId :
OR-02-102720

Tgt Ion:252 Resp: 52740
Ion Ratio Lower Upper
252 100
253 23.1 17.3 25.9
125 13.0 8.6 13.0#



#92
Benzo(g,h,i)perylene
Concen: 2.52 ng
RT: 17.157 min Scan# 2562
Delta R.T. 0.024 min
Lab File: BF122149.D
Acq: 28 Oct 2020 15:55

Tgt Ion:276 Resp: 32179
Ion Ratio Lower Upper
276 100
277 27.8 19.4 29.2
138 23.3 17.8 26.6

