

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101620\
 Data File : BF122022.D
 Acq On : 16 Oct 2020 20:56
 Operator : JU/CG
 Sample : L4374-05 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S2

Quant Time: Oct 17 00:00:49 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 15 12:55:05 2020
 Response via : Initial Calibration

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

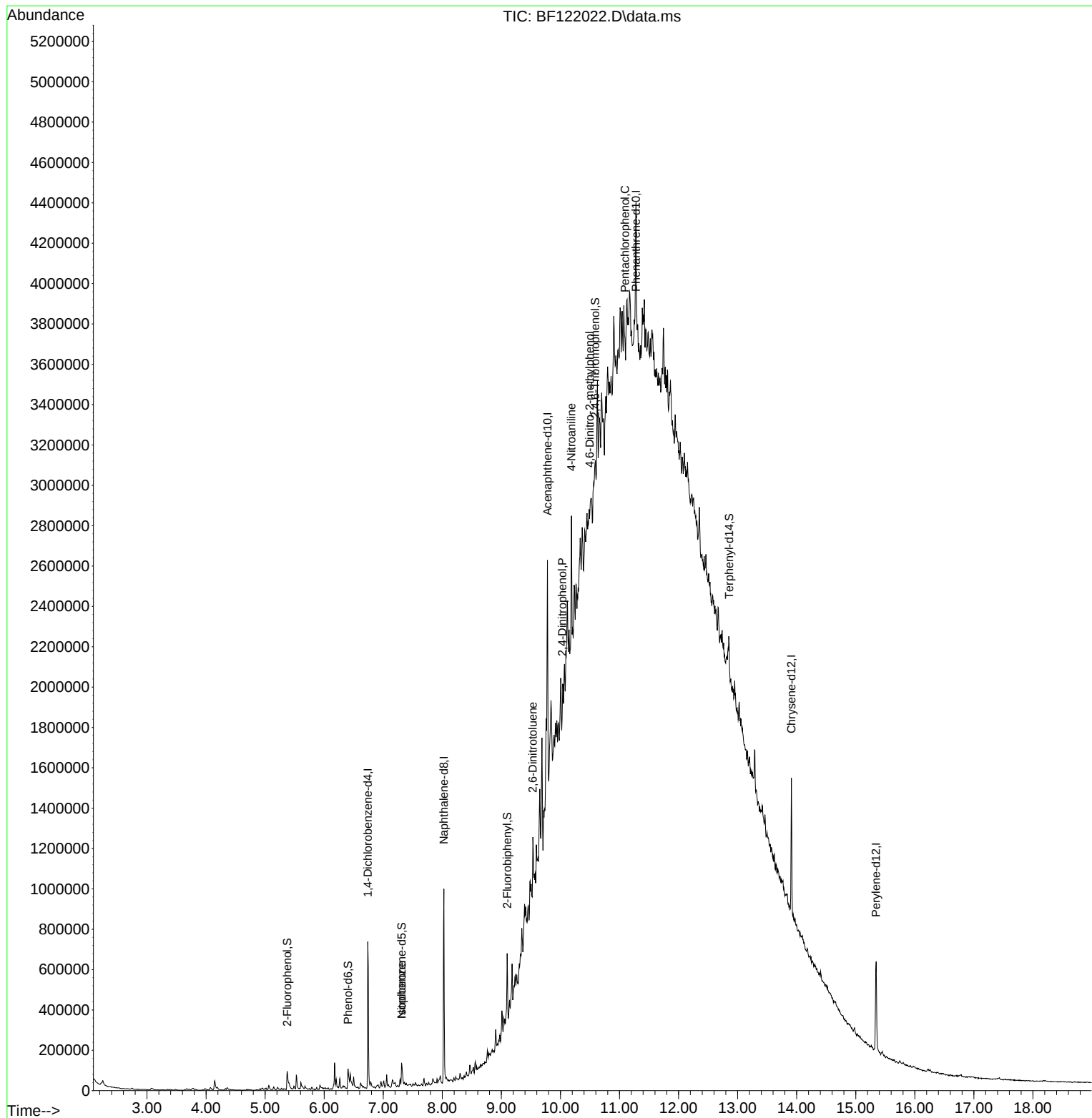
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	112373	20.00	ng	0.00
21) Naphthalene-d8	8.028	136	429771	20.00	ng	0.00
39) Acenaphthene-d10	9.780	164	180756	20.00	ng	0.00
64) Phenanthrene-d10	11.280	188	243528	20.00	ng	# 0.02
76) Chrysene-d12	13.910	240	231386	20.00	ng	0.00
86) Perylene-d12	15.345	264	198592	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	52052	6.84	ng	0.01
7) Phenol-d6	6.404	99	53561	5.46	ng	0.01
23) Nitrobenzene-d5	7.310	82	49468	5.90	ng	0.00
42) 2,4,6-Tribromophenol	10.586	330	12691	5.68	ng	0.01
45) 2-Fluorobiphenyl	9.098	172	94081	7.66	ng	0.00
79) Terphenyl-d14	12.857	244	62915	5.18	ng	0.00
Target Compounds						
9) Benzaldehyde	6.316	77	1546	Below Cal		Qvalue 92
25) Isophorone	7.310	82	49468	3.12	ng	# 68
51) 2,6-Dinitrotoluene	9.533	165	27981	9.65	ng	# 27
54) 2,4-Dinitrophenol	10.033	184	276	8.85	ng	# 1
62) 4-Nitroaniline	10.186	138	7382	2.24	ng	83
65) 4,6-Dinitro-2-methylph...	10.498	198	842	4.90	ng	# 1
70) Pentachlorophenol	11.092	266	1132	8.76	ng	# 1

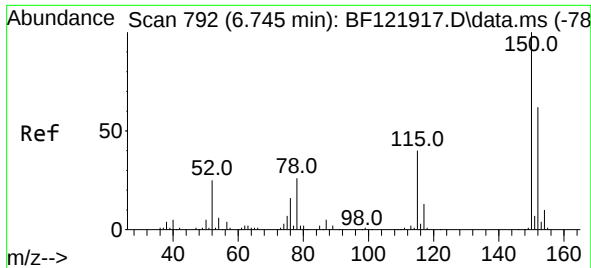
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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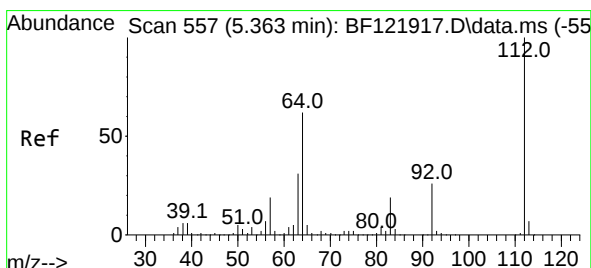
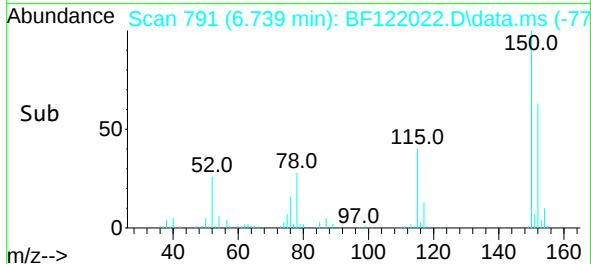
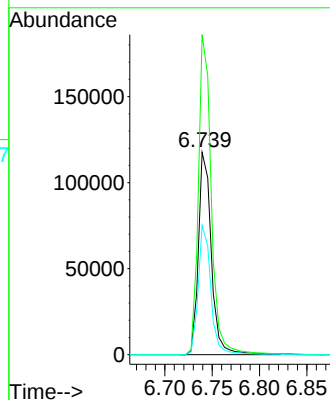
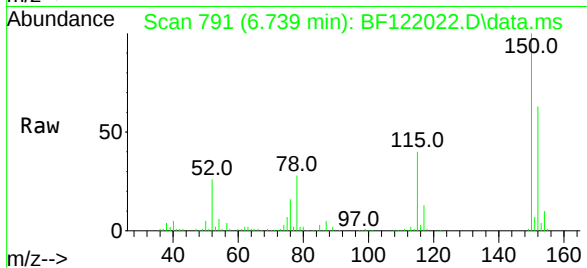




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.739 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF122022.D
Acq: 16 Oct 2020 20:56

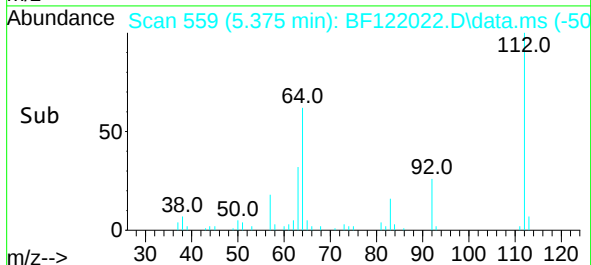
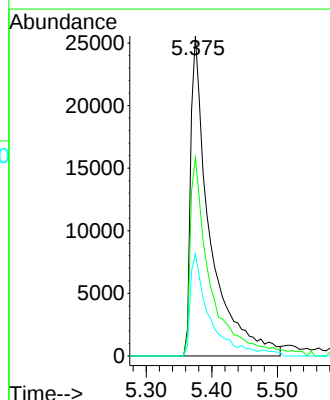
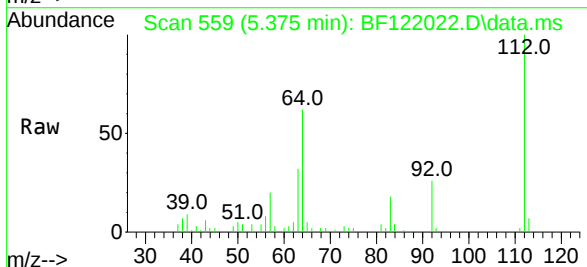
Instrument :
BNA_F
ClientSampleId :
S2

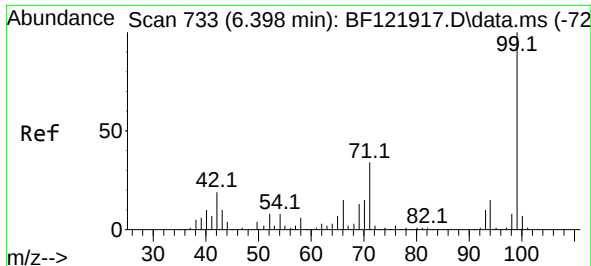
Tgt Ion:152 Resp: 112373
Ion Ratio Lower Upper
152 100
150 158.2 125.3 187.9
115 63.9 51.9 77.9



#5
2-Fluorophenol
Concen: 6.84 ng
RT: 5.375 min Scan# 559
Delta R.T. 0.012 min
Lab File: BF122022.D
Acq: 16 Oct 2020 20:56

Tgt Ion:112 Resp: 52052
Ion Ratio Lower Upper
112 100
64 62.1 50.4 75.6
63 31.9 25.8 38.6

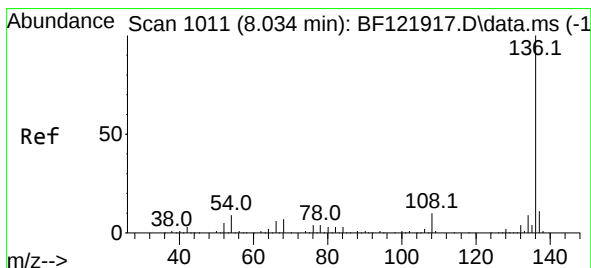
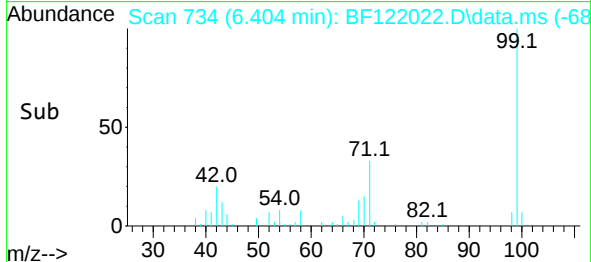
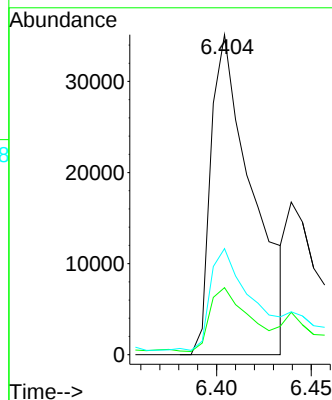
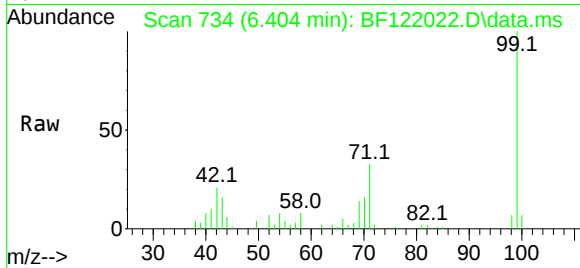




#7
Phenol-d6
Concen: 5.46 ng
RT: 6.404 min Scan# 734
Delta R.T. 0.012 min
Lab File: BF122022.D
Acq: 16 Oct 2020 20:56

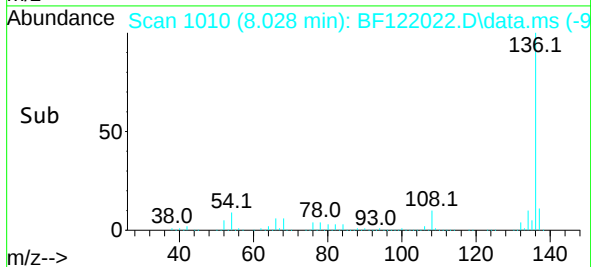
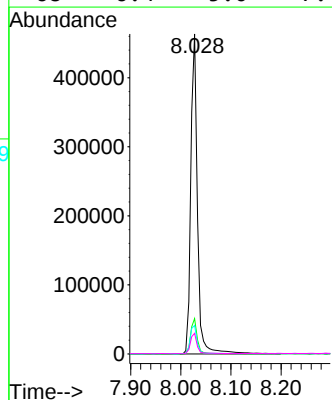
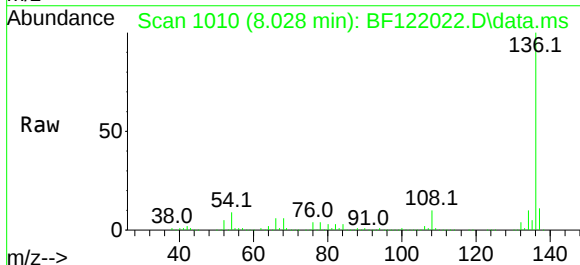
Instrument :
BNA_F
ClientSampleId :
S2

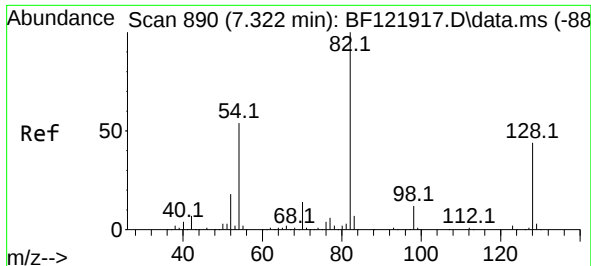
Tgt Ion: 99	Resp: 53561
Ion Ratio	Lower Upper
99 100	
42 21.0	15.9 23.9
71 33.1	27.1 40.7



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.028 min Scan# 1010
Delta R.T. 0.000 min
Lab File: BF122022.D
Acq: 16 Oct 2020 20:56

Tgt Ion: 136	Resp: 429771
Ion Ratio	Lower Upper
136 100	
137 11.0	8.6 13.0
54 8.9	7.1 10.7
68 6.4	5.0 7.4





#23

Nitrobenzene-d5

Concen: 5.90 ng

RT: 7.310 min Scan# 888

Delta R.T. -0.006 min

Lab File: BF122022.D

Acq: 16 Oct 2020 20:56

Tgt Ion: 82 Resp: 49468

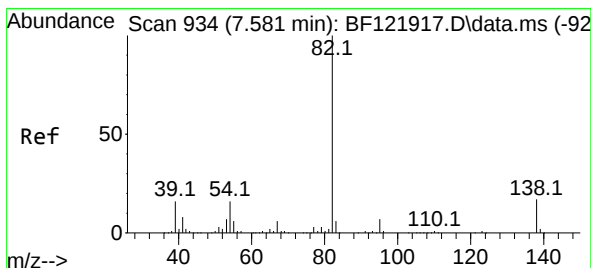
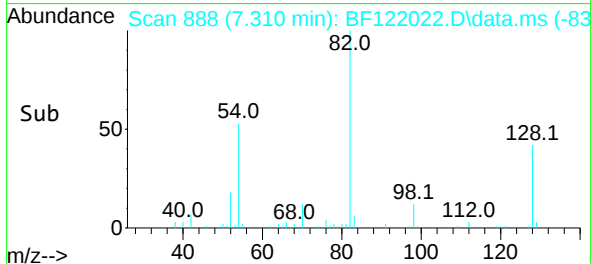
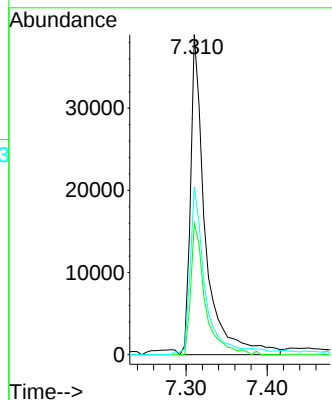
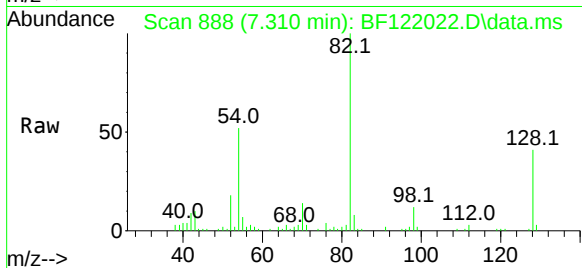
Ion	Ratio	Lower	Upper
82	100		
128	41.0	35.0	52.4
54	52.4	43.9	65.9

Instrument :

BNA_F

ClientSampleId :

S2



#25

Isophorone

Concen: 3.12 ng

RT: 7.310 min Scan# 888

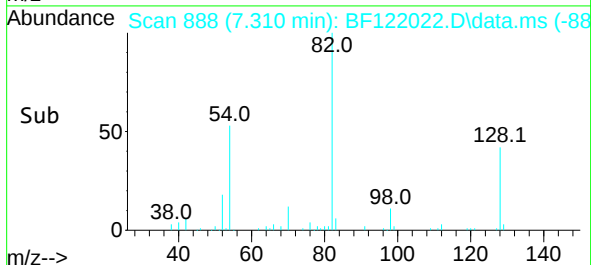
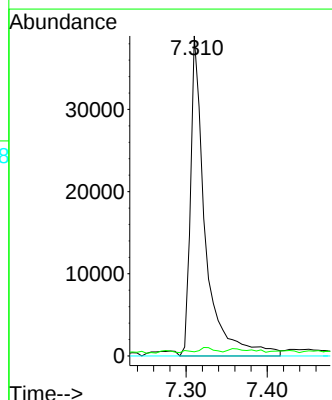
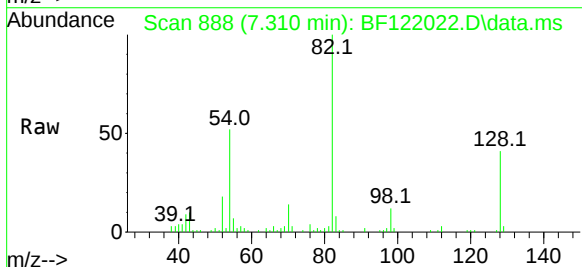
Delta R.T. -0.265 min

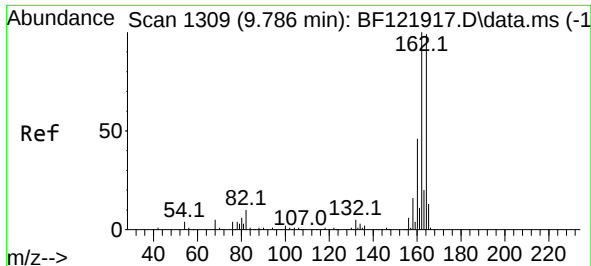
Lab File: BF122022.D

Acq: 16 Oct 2020 20:56

Tgt Ion: 82 Resp: 49468

Ion	Ratio	Lower	Upper
82	100		
95	1.3	5.4	8.0#
138	0.0	13.4	20.0#

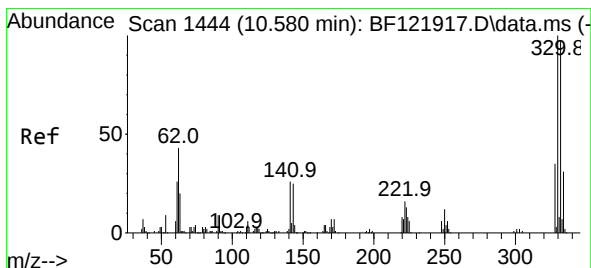
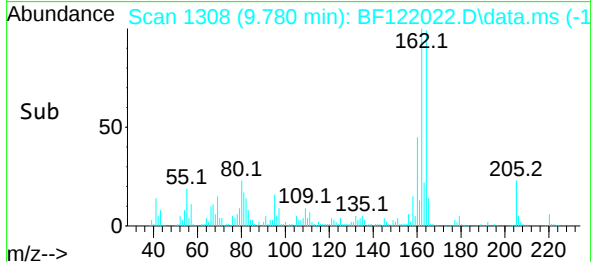
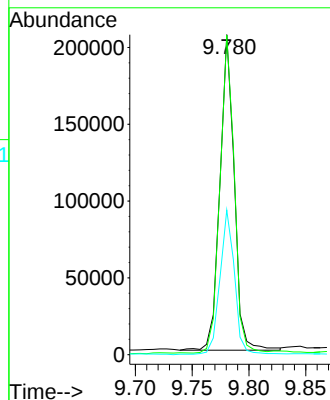
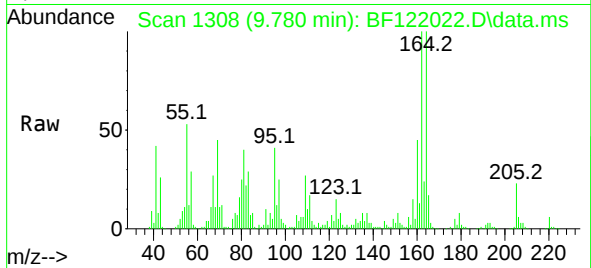




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.780 min Scan# 1308
Delta R.T. 0.000 min
Lab File: BF122022.D
Acq: 16 Oct 2020 20:56

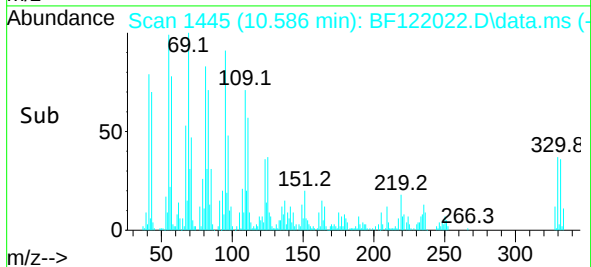
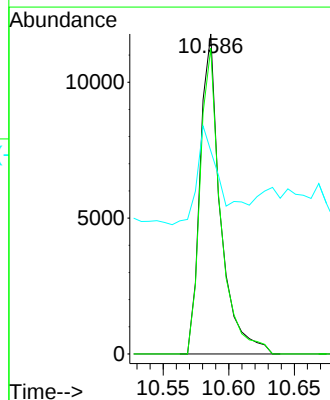
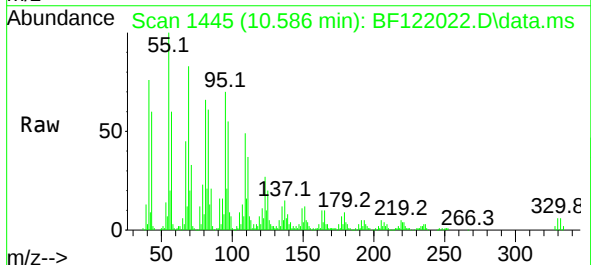
Instrument :
BNA_F
ClientSampleId :
S2

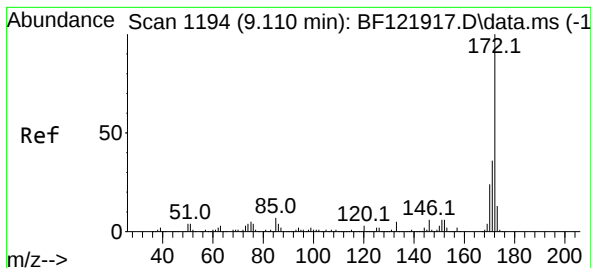
Tgt Ion:	164	Resp:	180756
Ion Ratio	Lower	Upper	
164	100		
162	99.8	83.2	124.8
160	45.2	37.5	56.3



#42
2,4,6-Tribromophenol
Concen: 5.68 ng
RT: 10.586 min Scan# 1445
Delta R.T. 0.012 min
Lab File: BF122022.D
Acq: 16 Oct 2020 20:56

Tgt Ion:	330	Resp:	12691
Ion Ratio	Lower	Upper	
330	100		
332	96.9	77.3	115.9
141	33.7	22.3	33.5#





#45

2-Fluorobiphenyl

Concen: 7.66 ng

RT: 9.098 min Scan# 1192

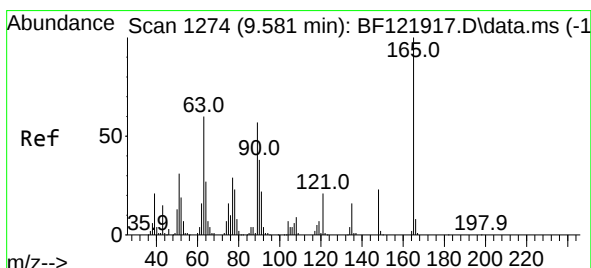
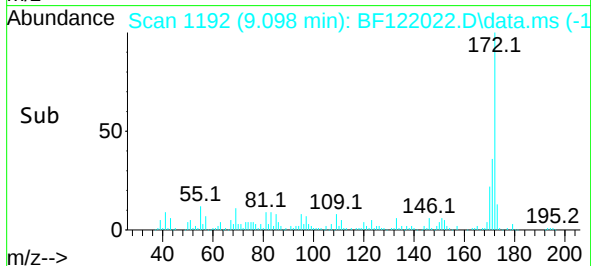
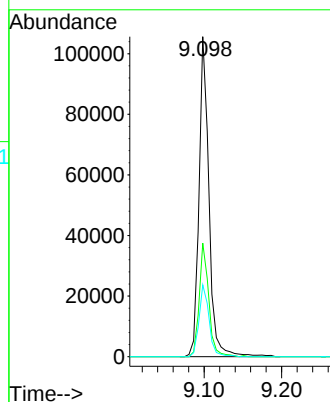
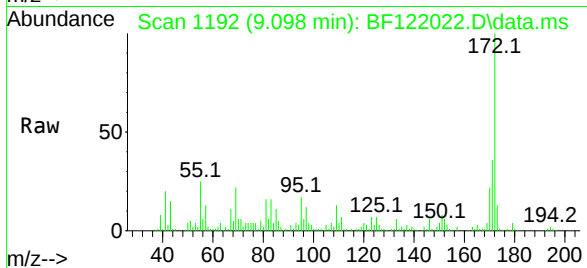
Delta R.T. -0.006 min

Lab File: BF122022.D

Acq: 16 Oct 2020 20:56

Tgt Ion:172	Resp:	94081
Ion Ratio	Lower	Upper
172	100	
171	35.5	29.1 43.7
170	22.4	19.8 29.6

Instrument :
BNA_F
ClientSampled :
S2



#51

2,6-Dinitrotoluene

Concen: 9.65 ng

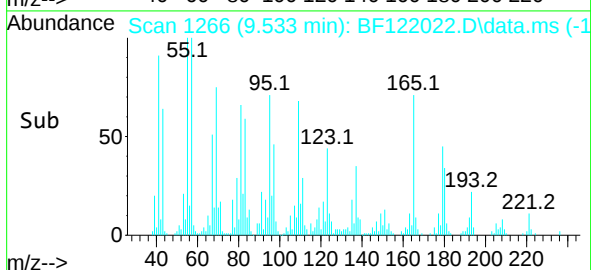
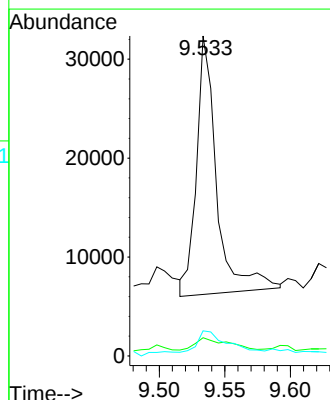
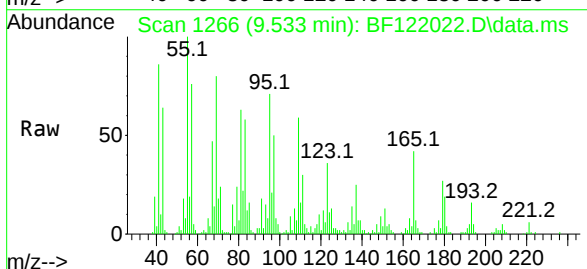
RT: 9.533 min Scan# 1266

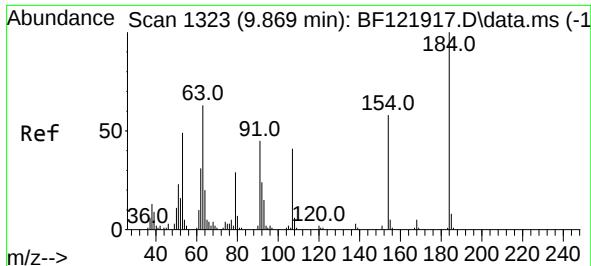
Delta R.T. -0.041 min

Lab File: BF122022.D

Acq: 16 Oct 2020 20:56

Tgt Ion:165	Resp:	27981
Ion Ratio	Lower	Upper
165	100	
63	5.7	51.8 77.6#
89	7.8	49.0 73.6#

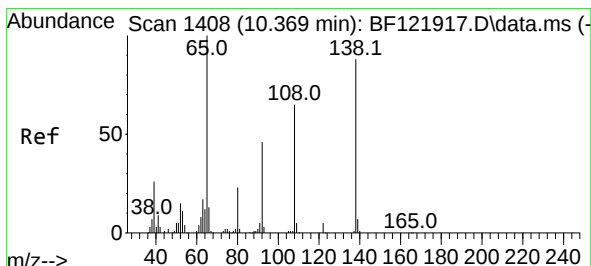
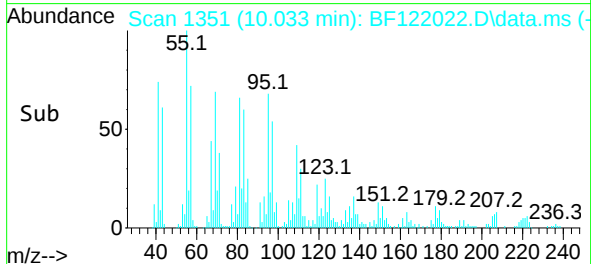
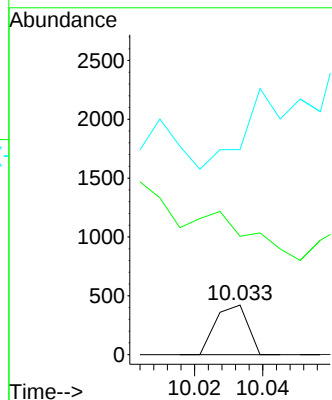
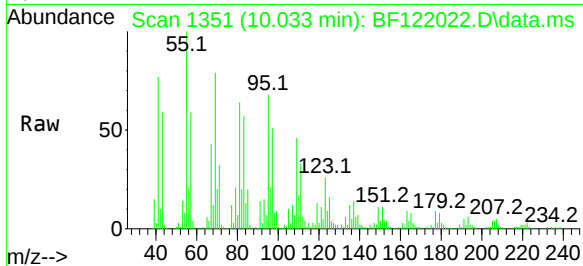




#54
2,4-Dinitrophenol
Concen: 8.85 ng
RT: 10.033 min Scan# 1351
Delta R.T. 0.165 min
Lab File: BF122022.D
Acq: 16 Oct 2020 20:56

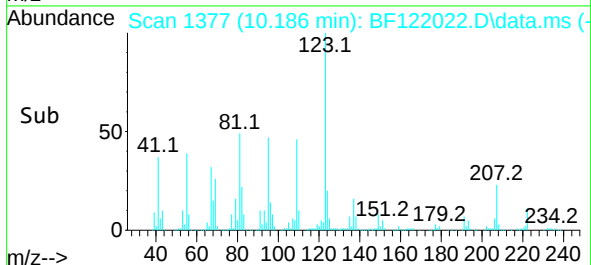
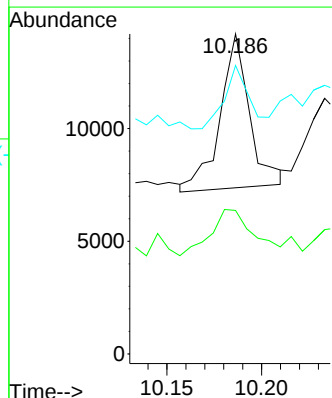
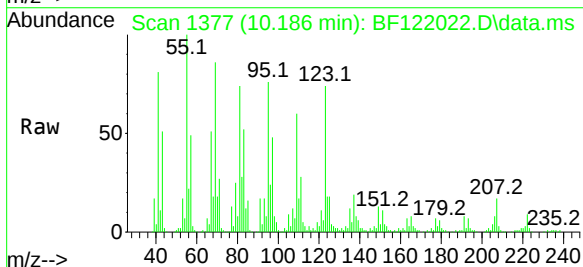
Instrument :
BNA_F
ClientSampled :
S2

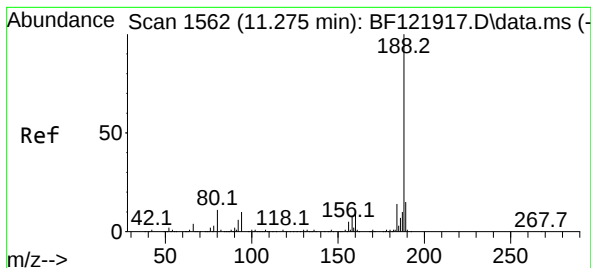
Tgt Ion:184 Resp: 276
Ion Ratio Lower Upper
184 100
63 239.0 45.9 68.9#
154 414.0 45.8 68.6#



#62
4-Nitroaniline
Concen: 2.24 ng
RT: 10.186 min Scan# 1377
Delta R.T. -0.176 min
Lab File: BF122022.D
Acq: 16 Oct 2020 20:56

Tgt Ion:138 Resp: 7382
Ion Ratio Lower Upper
138 100
92 44.8 31.0 71.0
108 90.1 51.5 91.5





#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.280 min Scan# 1563

Delta R.T. 0.018 min

Lab File: BF122022.D

Acq: 16 Oct 2020 20:56

Tgt Ion:188 Resp: 243528

Ion Ratio Lower Upper

188 100

94 15.8 8.3 12.5#

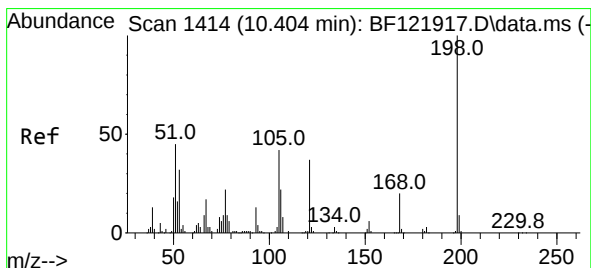
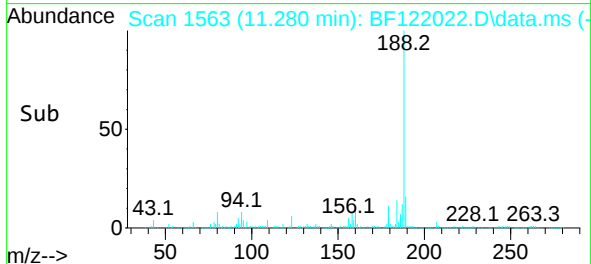
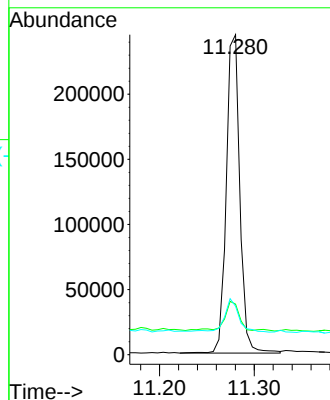
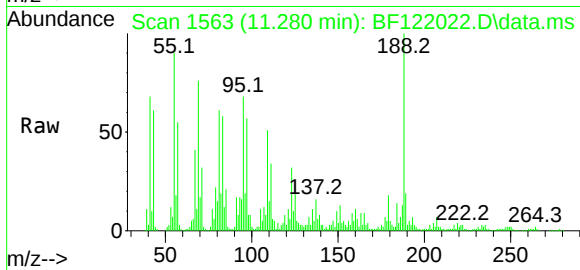
80 15.2 9.1 13.7#

Instrument :

BNA_F

ClientSampleId :

S2



#65

4,6-Dinitro-2-methylphenol

Concen: 4.90 ng

RT: 10.498 min Scan# 1430

Delta R.T. 0.100 min

Lab File: BF122022.D

Acq: 16 Oct 2020 20:56

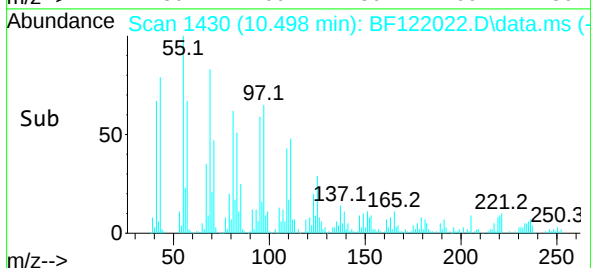
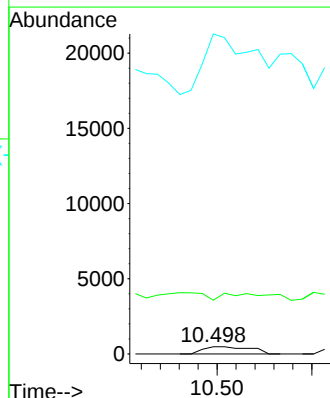
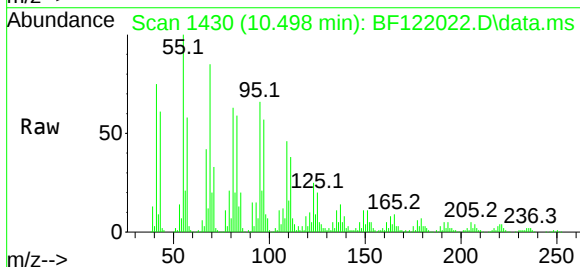
Tgt Ion:198 Resp: 842

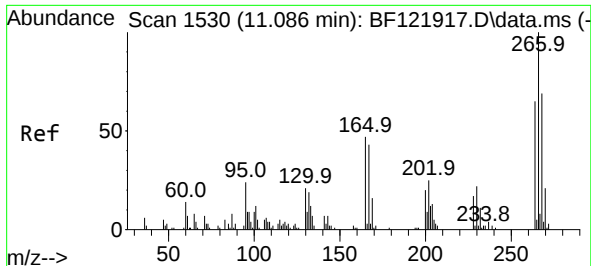
Ion Ratio Lower Upper

198 100

51 744.8 29.6 69.6#

105 4433.3 24.4 64.4#

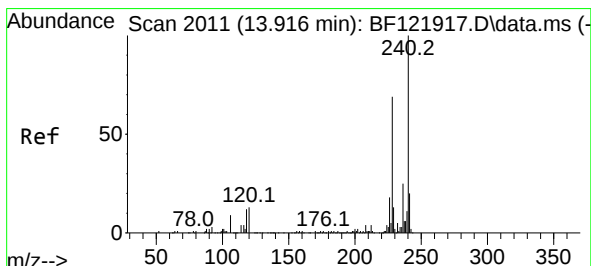
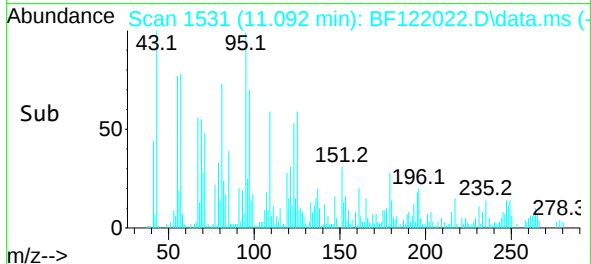
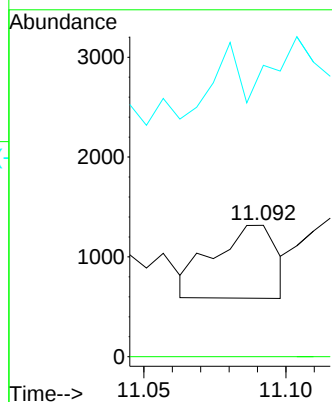
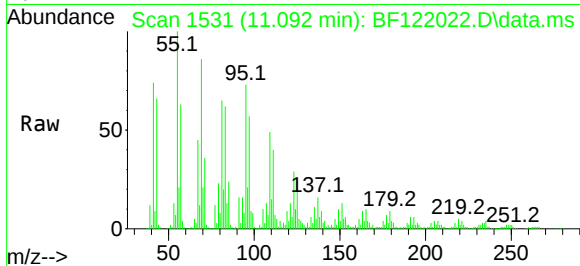




#70
Pentachlorophenol
Concen: 8.76 ng
RT: 11.092 min Scan# 1531
Delta R.T. 0.012 min
Lab File: BF122022.D
Acq: 16 Oct 2020 20:56

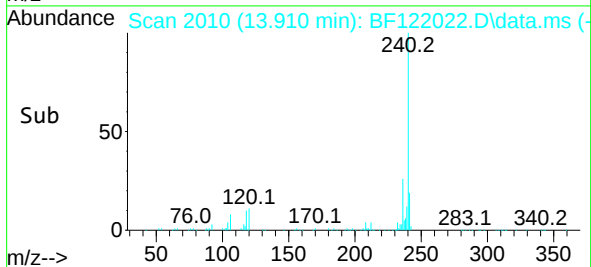
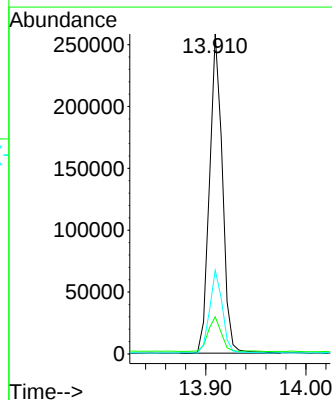
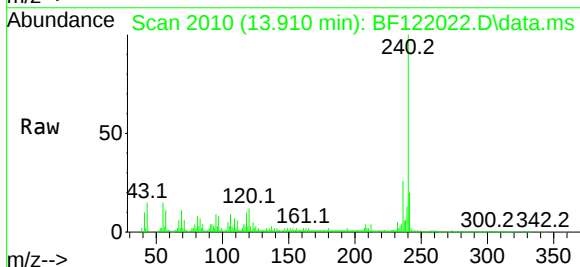
Instrument :
BNA_F
ClientSampleId :
S2

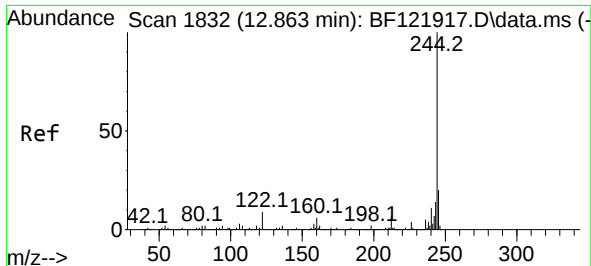
Tgt Ion:266 Resp: 1132
Ion Ratio Lower Upper
266 100
268 0.0 52.4 78.6#
264 221.6 49.9 74.9#



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.910 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF122022.D
Acq: 16 Oct 2020 20:56

Tgt Ion:240 Resp: 231386
Ion Ratio Lower Upper
240 100
120 11.6 9.2 13.8
236 26.2 20.9 31.3

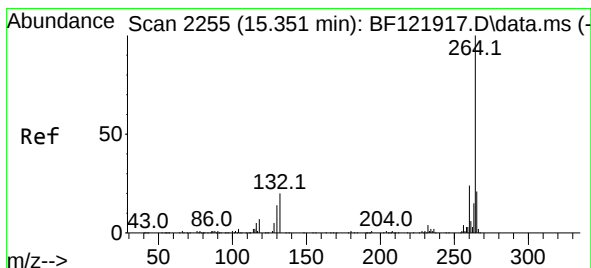
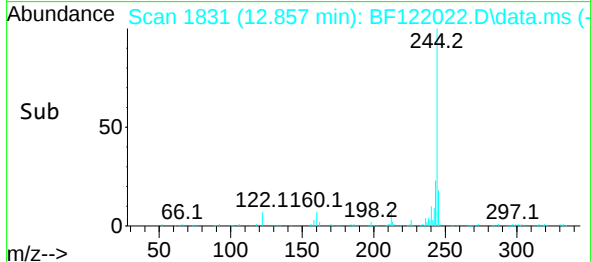
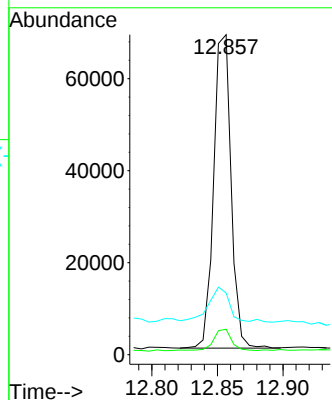
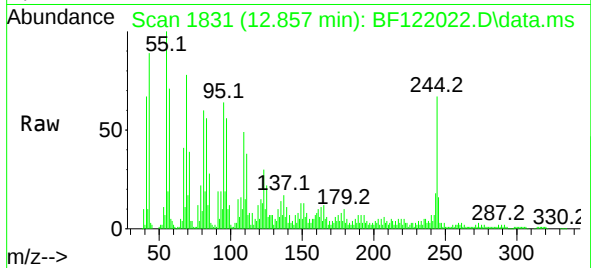




#79
Terphenyl-d14
Concen: 5.18 ng
RT: 12.857 min Scan# 1831
Delta R.T. 0.006 min
Lab File: BF122022.D
Acq: 16 Oct 2020 20:56

Instrument :
BNA_F
ClientSampled :
S2

Tgt Ion:244 Resp: 62915
Ion Ratio Lower Upper
244 100
212 8.0 5.4 8.2
122 19.3 8.1 12.1#



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.345 min Scan# 2254
Delta R.T. 0.006 min
Lab File: BF122022.D
Acq: 16 Oct 2020 20:56

Tgt Ion:264 Resp: 198592
Ion Ratio Lower Upper
264 100
260 24.5 18.7 28.1
265 21.8 17.3 25.9

