

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
 Data File : BF120540.D
 Acq On : 4 Jun 2020 18:20
 Operator : JU/CG
 Sample : L2839-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM1-COMP-2020-0-6

Quant Time: Jun 04 18:52:15 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 04 16:38:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	206376	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	776236	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	385794	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	650722	20.00	ng	0.00
76) Chrysene-d12	13.99	240	495902	20.00	ng	-0.01
86) Perylene-d12	15.45	264	444207	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	901331	83.23	ng	0.00
7) Phenol-d6	6.46	99	1149273	86.10	ng	0.00
23) Nitrobenzene-d5	7.39	82	774228	65.24	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	309547	86.60	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1419789	62.44	ng	0.00
79) Terphenyl-d14	12.94	244	1354103	60.76	ng	0.00

Target Compounds

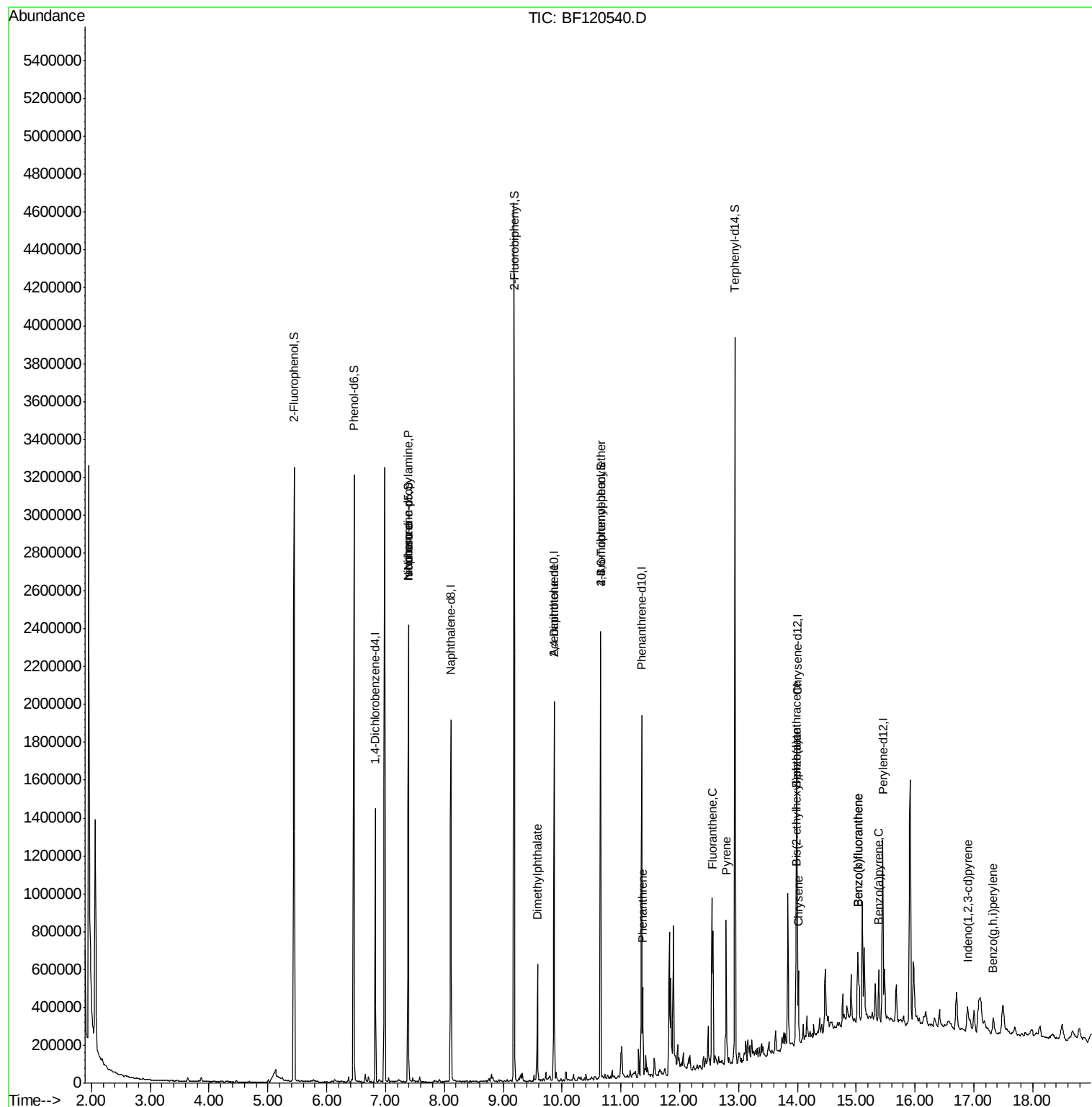
						Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	102949	12.133	ng	# 79
25) Isophorone	7.39	82	770437	32.303	ng	# 63
50) Dimethylphthalate	9.58	163	233758	9.692	ng	100
57) 2,4-Dinitrotoluene	9.86	165	50395	7.346	ng	# 25
67) 4-Bromophenyl-phenylether	10.66	248	18493	2.815	ng	# 1
71) Phenanthrene	11.37	178	151885	5.297	ng	99
75) Fluoranthene	12.56	202	314074	10.180	ng	98
78) Pyrene	12.79	202	300811	8.722	ng	99
81) Benzo(a)anthracene	13.98	228	171481	6.452	ng	98
83) Chrysene	14.02	228	160777	5.770	ng	96
84) Bis(2-ethylhexyl)phthalate	13.97	149	63636	3.765	ng	99
87) Indeno(1,2,3-cd)pyrene	16.89	276	78517	3.232	ng	98
88) Benzo(b)fluoranthene	15.03	252	268938	10.900	ng	98
89) Benzo(k)fluoranthene	15.03	252	268938	11.676	ng	98
90) Benzo(a)pyrene	15.39	252	134655	6.239	ng	100
92) Benzo(g,h,i)perylene	17.33	276	73013	3.737	ng	97

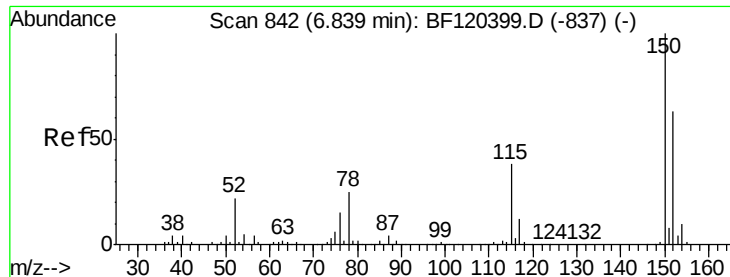
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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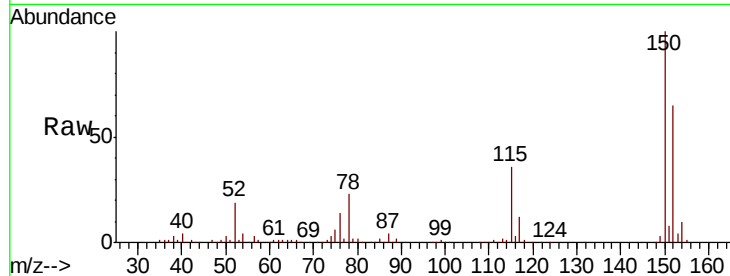


#1

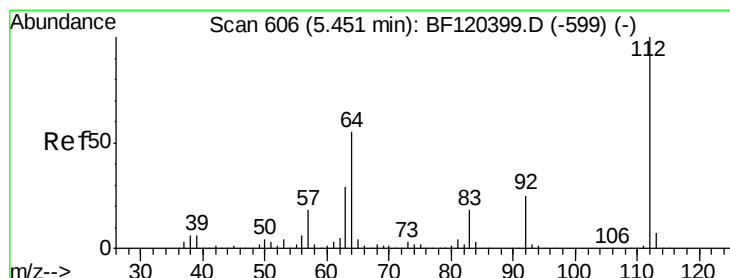
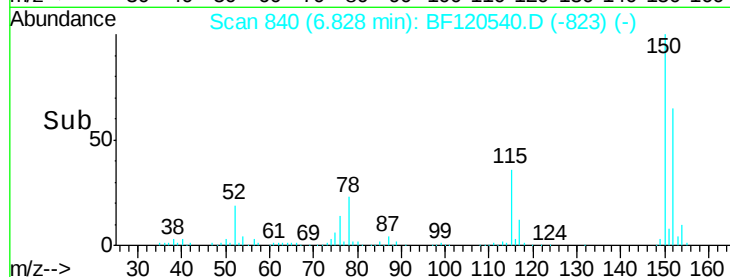
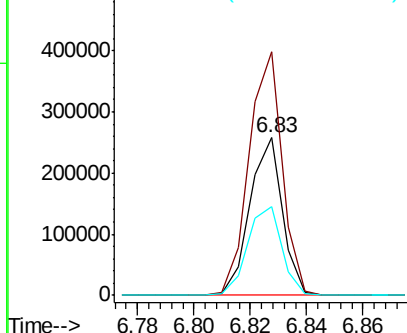
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 840
Delta R.T. -0.00 min
Lab File: BF120540.D
Acq: 4 Jun 2020 18:20

Instrument :
BNA_F
ClientSampleId :
NM1-COMP-2020-0-6

Tot Ion:152 Resp: 206376
Ion Ratio Lower Upper
152 100
150 154.3 126.3 189.5
115 56.1 48.1 72.1



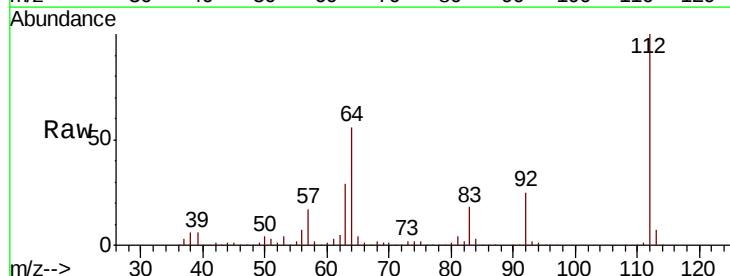
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



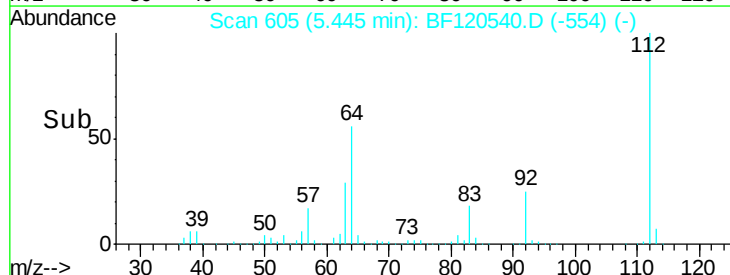
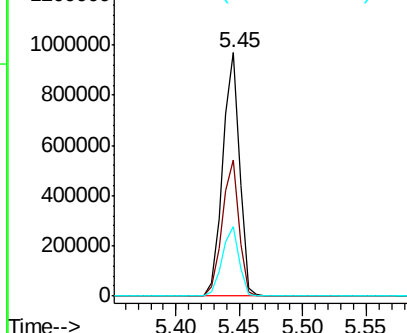
#5

2-Fluorophenol
Concen: 83.232 ng
RT: 5.45 min Scan# 605
Delta R.T. -0.00 min
Lab File: BF120540.D
Acq: 4 Jun 2020 18:20

Tgt Ion:112 Resp: 901331
Ion Ratio Lower Upper
112 100
64 56.0 47.2 70.8
63 28.6 24.7 37.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 86.103 ng

RT: 6.46 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF120540.D

Acq: 4 Jun 2020 18:20

Instrument :

BNA_F

ClientSampleId :

NM1-COMP-2020-0-6

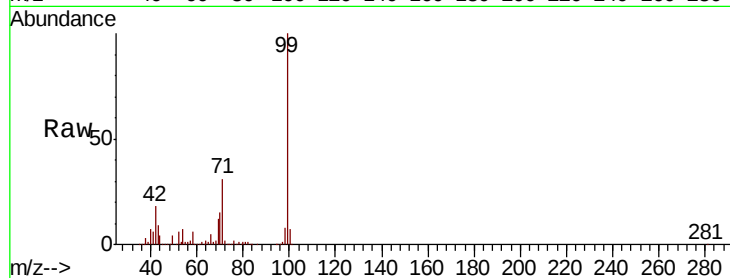
Tot Ion: 99 Resp: 1149273

Ion Ratio Lower Upper

99 100

42 17.8 15.0 22.6

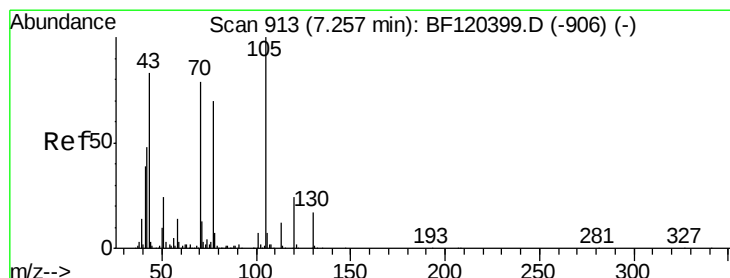
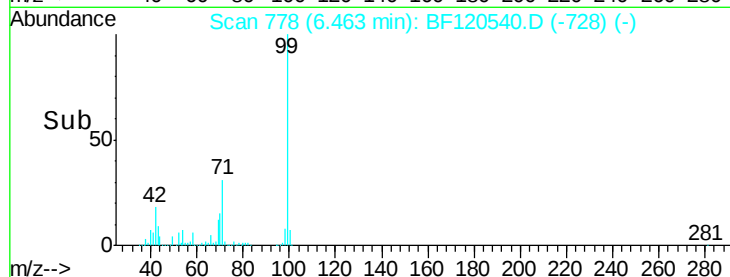
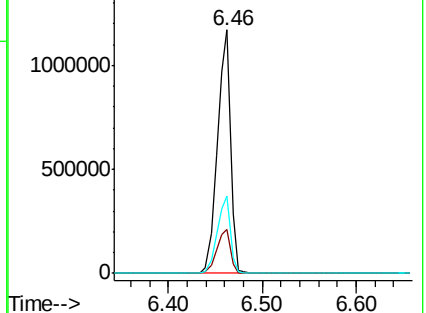
71 31.5 27.0 40.4



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 12.133 ng

RT: 7.39 min Scan# 935

Delta R.T. 0.14 min

Lab File: BF120540.D

Acq: 4 Jun 2020 18:20

Tgt Ion: 70 Resp: 102949

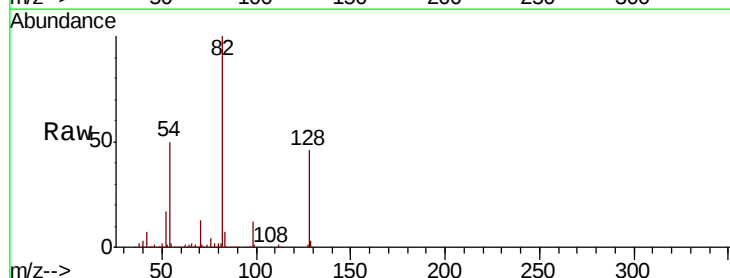
Ion Ratio Lower Upper

70 100

42 49.4 47.0 70.4

101 0.0 7.8 11.8#

130 2.3 17.9 26.9#

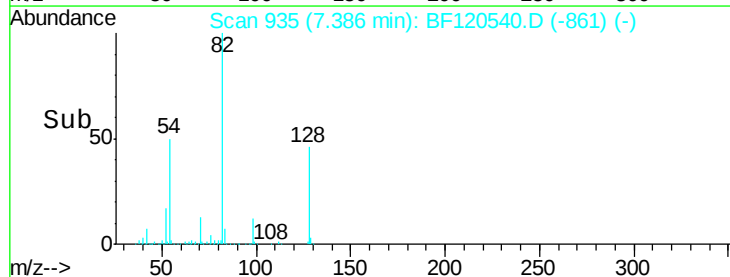
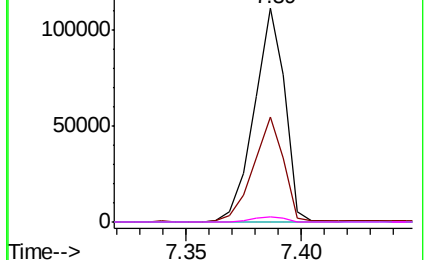


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

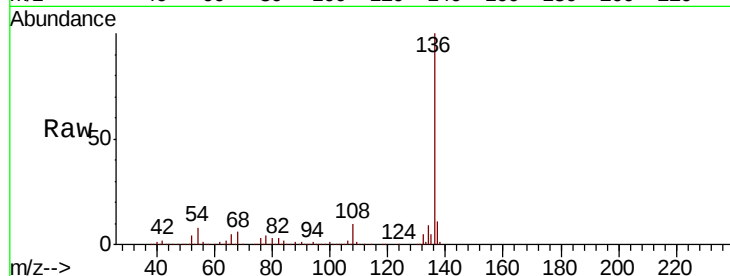




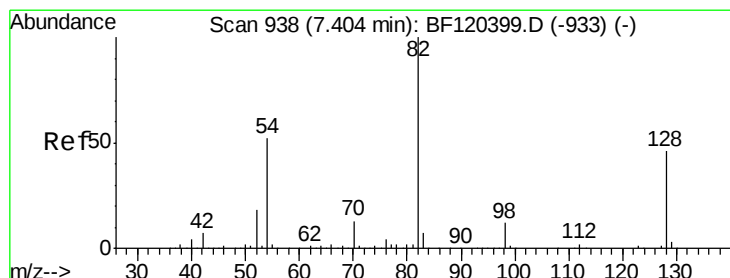
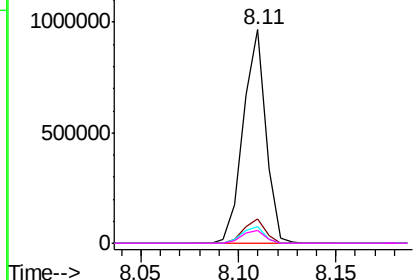
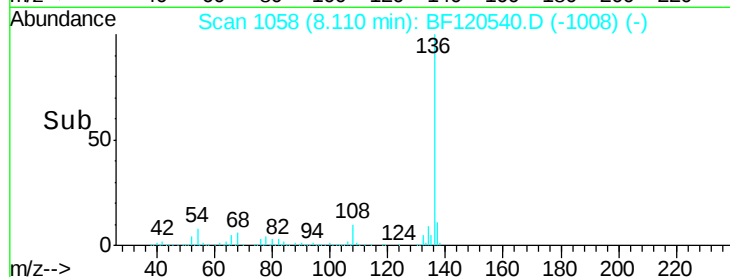
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1058
Delta R.T. -0.01 min
Lab File: BF120540.D
Acq: 4 Jun 2020 18:20

Instrument :
BNA_F
ClientSampleId :
NM1-COMP-2020-0-6

Tot Ion:136	Resp:	776236
Ion Ratio	Lower	Upper
136 100		
137 11.1	8.8	13.2
54 7.5	5.4	8.0
68 5.7	4.3	6.5

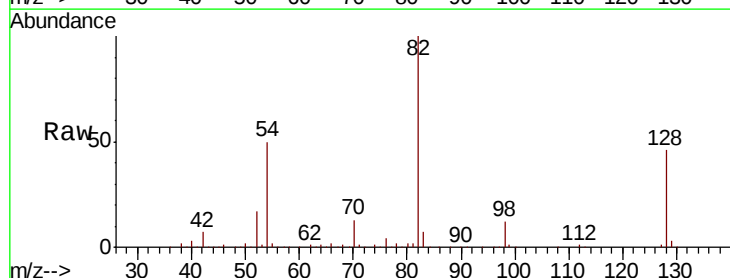


Abundance Ion 136.00 (135.70 to 136.70): E
1500000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

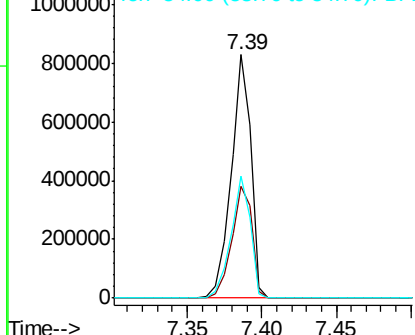
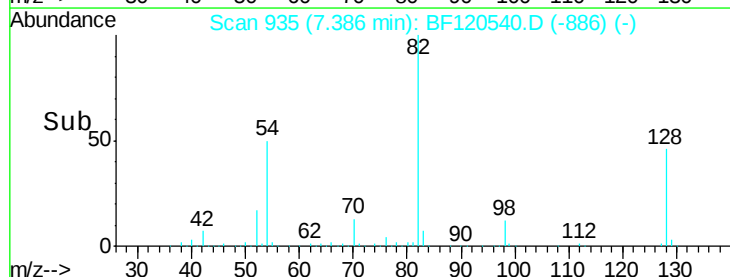


#23
Nitrobenzene-d5
Concen: 65.244 ng
RT: 7.39 min Scan# 935
Delta R.T. -0.01 min
Lab File: BF120540.D
Acq: 4 Jun 2020 18:20

Tgt Ion: 82	Resp: 774228
Ion Ratio	Lower Upper
82 100	
128 46.1	36.7 55.1
54 50.3	40.0 60.0



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 32.303 ng

RT: 7.39 min Scan# 935

Delta R.T. -0.27 min

Lab File: BF120540.D

Acq: 4 Jun 2020 18:20

Instrument :

BNA_F

ClientSampleId :

NM1-COMP-2020-0-6

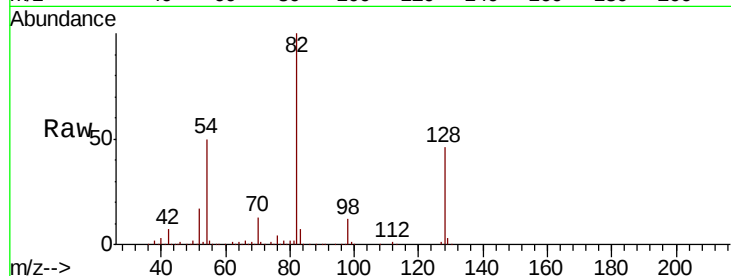
Tot Ion: 82 Resp: 770437

Ion Ratio Lower Upper

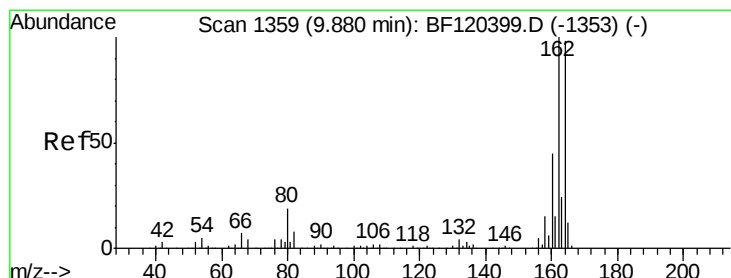
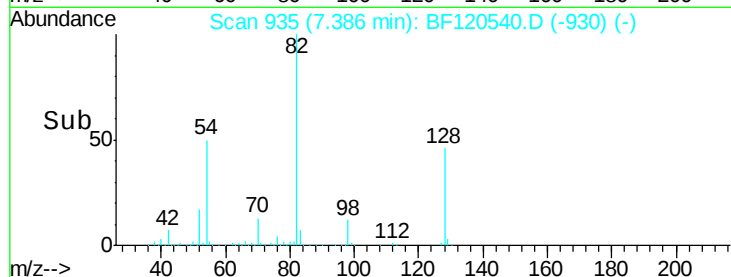
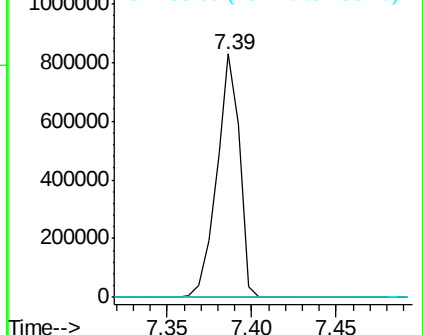
82 100

95 0.0 5.8 8.6#

138 0.0 15.6 23.4#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1356

Delta R.T. -0.01 min

Lab File: BF120540.D

Acq: 4 Jun 2020 18:20

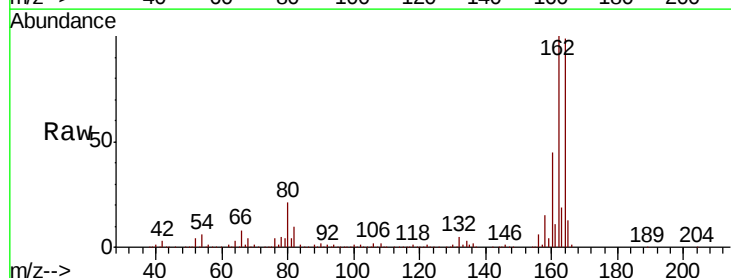
Tgt Ion: 164 Resp: 385794

Ion Ratio Lower Upper

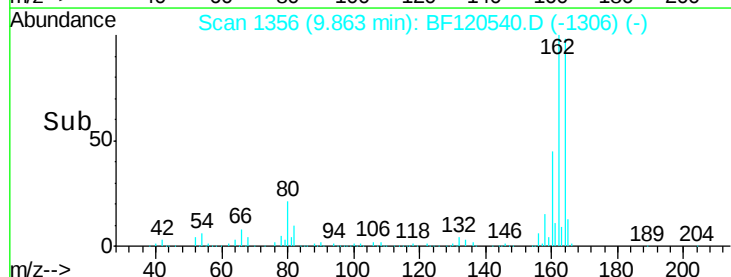
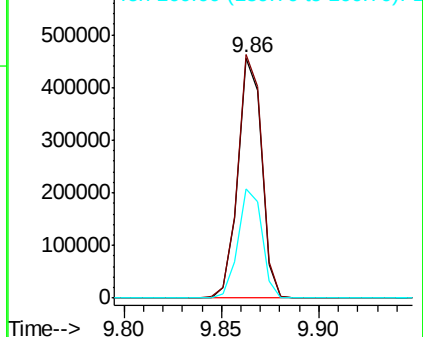
164 100

162 101.4 81.2 121.8

160 45.6 37.0 55.4



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

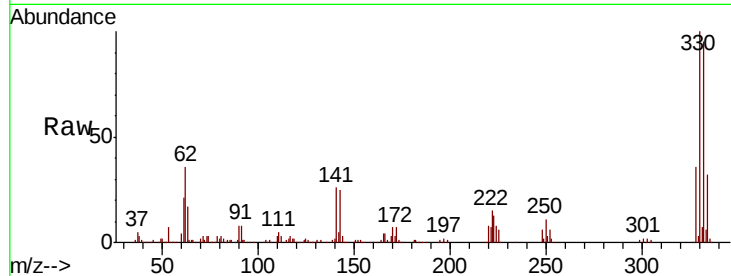




#42
 2,4,6-Tribromophenol
 Concen: 86.597 ng
 RT: 10.66 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: BF120540.D
 Acq: 4 Jun 2020 18:20

Instrument :
 BNA_F
 ClientSampleId :
 NM1-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.0	115.4
141	30.9	23.8	35.8

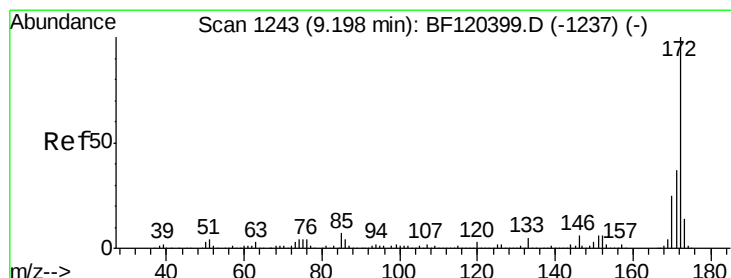
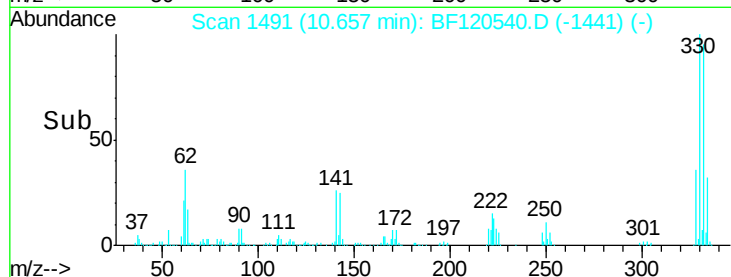
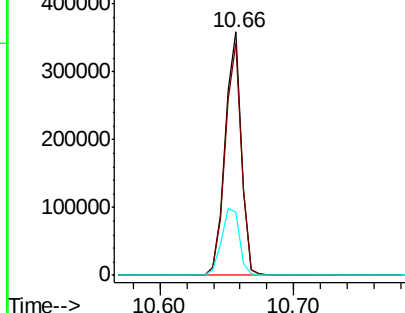


Abundance

Ion 329.80 (329.50 to 330.50): E

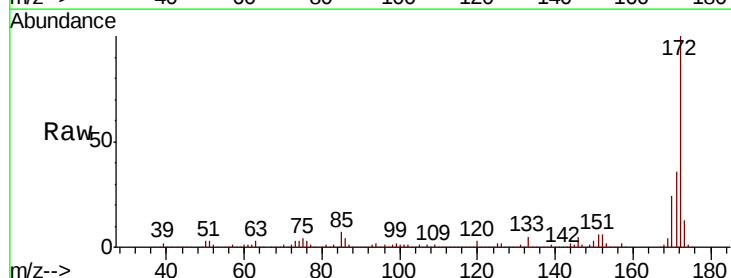
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 62.441 ng
 RT: 9.19 min Scan# 1241
 Delta R.T. -0.01 min
 Lab File: BF120540.D
 Acq: 4 Jun 2020 18:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.5	44.3
170	24.4	19.8	29.6

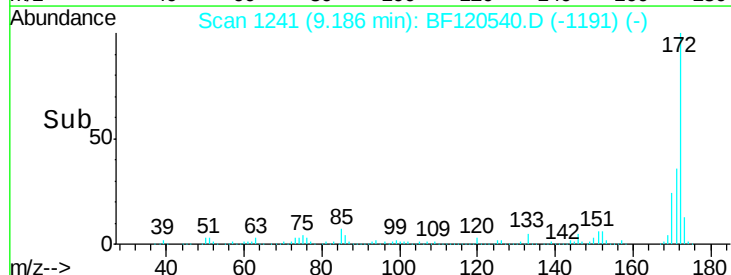
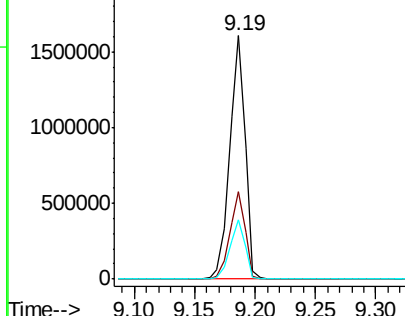


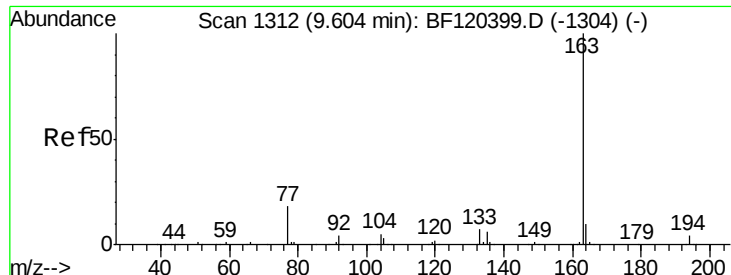
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

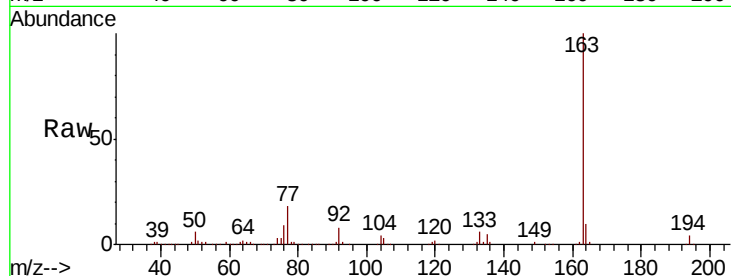




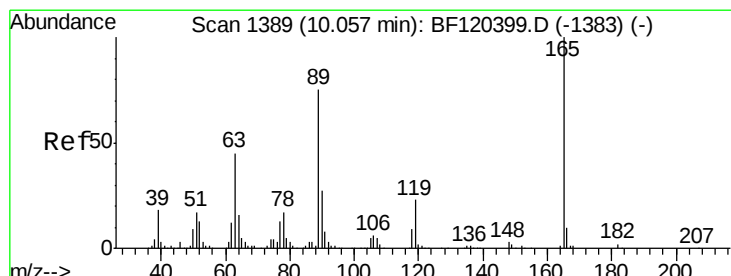
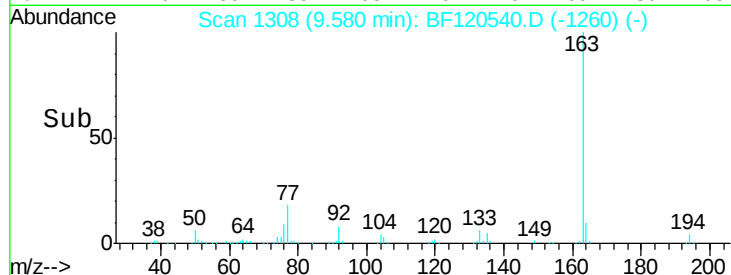
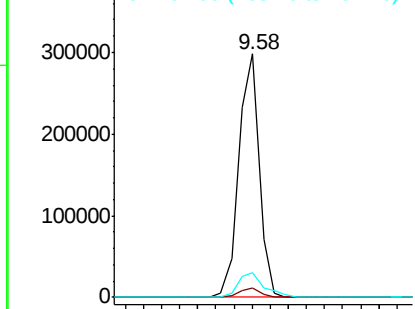
#50
Dimethylphthalate
Concen: 9.692 ng
RT: 9.58 min Scan# 1308
Delta R.T. -0.02 min
Lab File: BF120540.D
Acq: 4 Jun 2020 18:20

Instrument :
BNA_F
ClientSampleId :
NM1-COMP-2020-0-6

Tot Ion:163 Resp: 233758
Ion Ratio Lower Upper
163 100
194 3.8 3.1 4.7
164 10.0 8.0 12.0

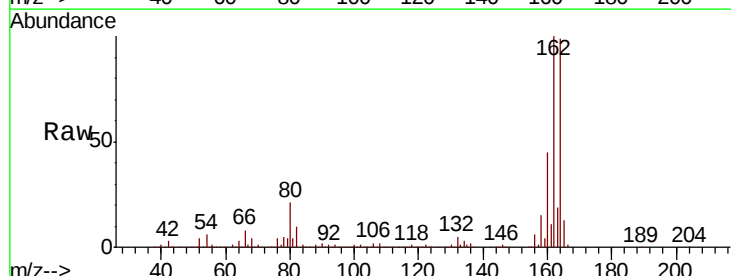


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

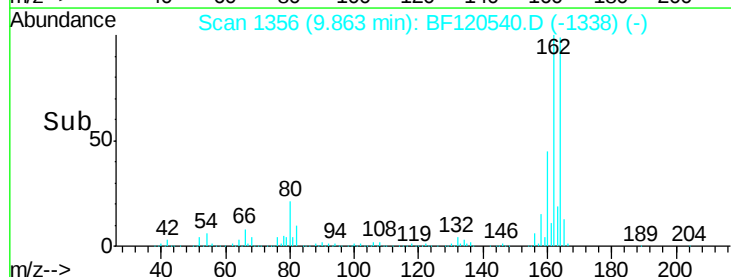
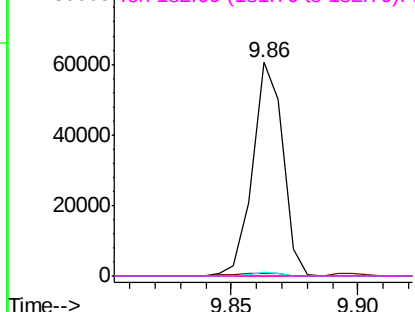


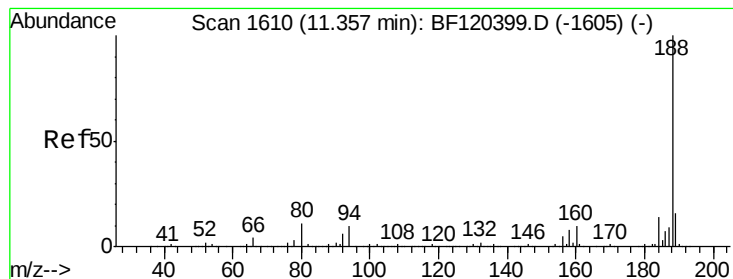
#57
2,4-Dinitrotoluene
Concen: 7.346 ng
RT: 9.86 min Scan# 1356
Delta R.T. -0.19 min
Lab File: BF120540.D
Acq: 4 Jun 2020 18:20

Tgt Ion:165 Resp: 50395
Ion Ratio Lower Upper
165 100
63 1.0 34.1 51.1#
89 1.5 56.2 84.4#
182 0.0 2.0 3.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.35 min Scan# 1609

Delta R.T. -0.01 min

Lab File: BF120540.D

Acq: 4 Jun 2020 18:20

Instrument :

BNA_F

ClientSampleId :

NM1-COMP-2020-0-6

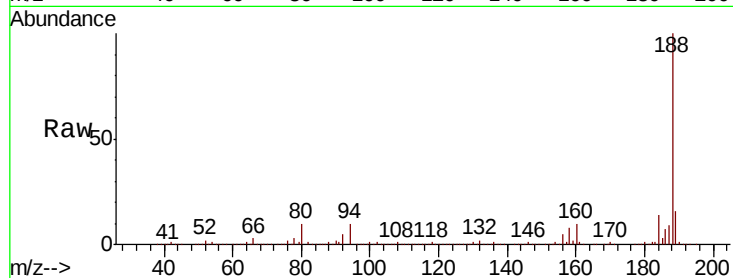
Tot Ion:188 Resp: 650722

Ion Ratio Lower Upper

188 100

94 10.1 7.4 11.2

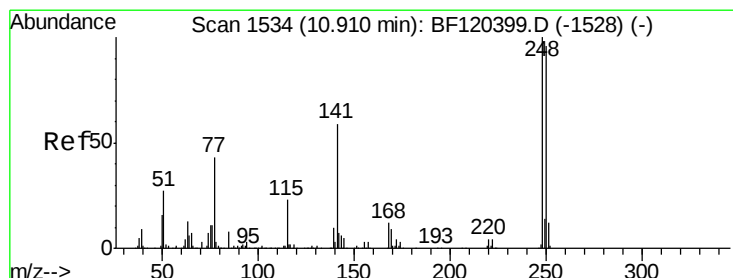
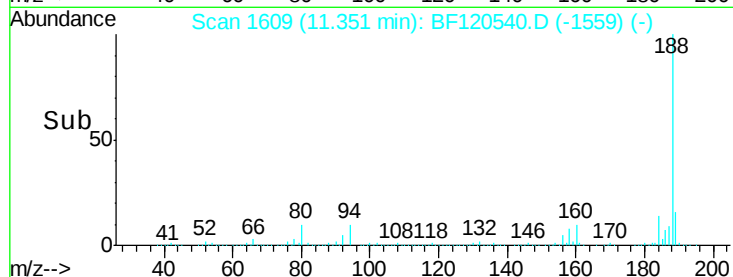
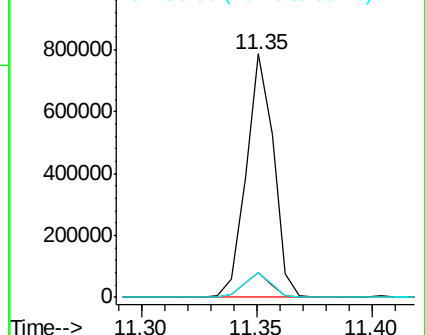
80 10.3 7.6 11.4



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#67

4-Bromophenyl-phenylether

Concen: 2.815 ng

RT: 10.66 min Scan# 1491

Delta R.T. -0.25 min

Lab File: BF120540.D

Acq: 4 Jun 2020 18:20

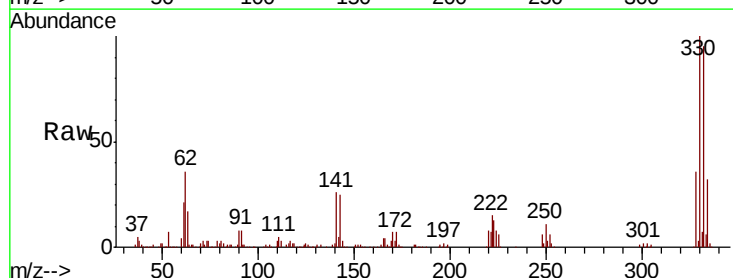
Tgt Ion:248 Resp: 18493

Ion Ratio Lower Upper

248 100

250 197.4 77.4 116.0#

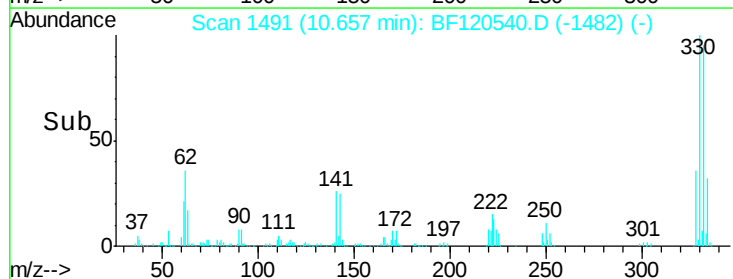
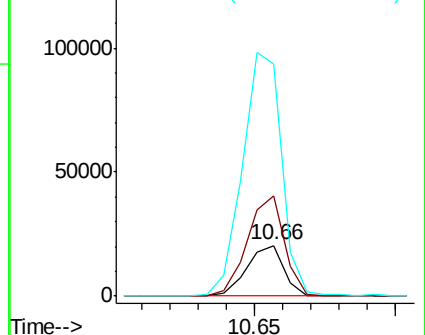
141 456.7 46.1 69.1#

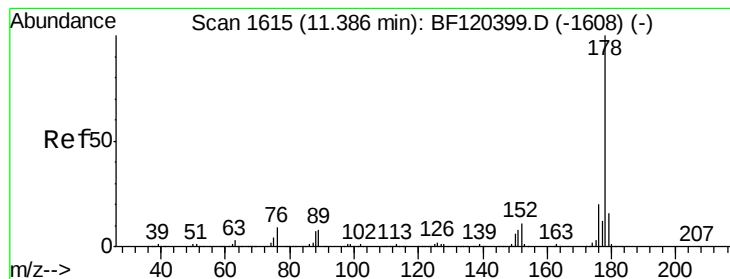


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 5.297 ng

RT: 11.37 min Scan# 1613

Delta R.T. -0.01 min

Lab File: BF120540.D

Acq: 4 Jun 2020 18:20

Instrument :

BNA_F

ClientSampleId :

NM1-COMP-2020-0-6

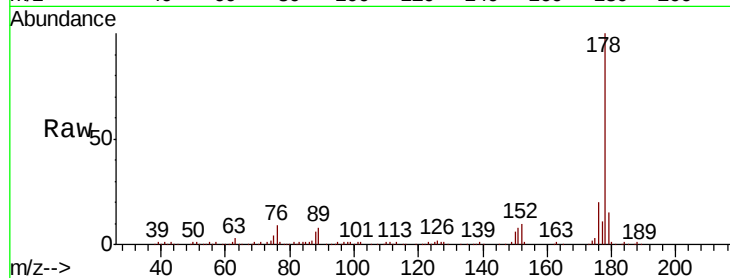
Tot Ion:178 Resp: 151885

Ion Ratio Lower Upper

178 100

176 20.0 16.2 24.2

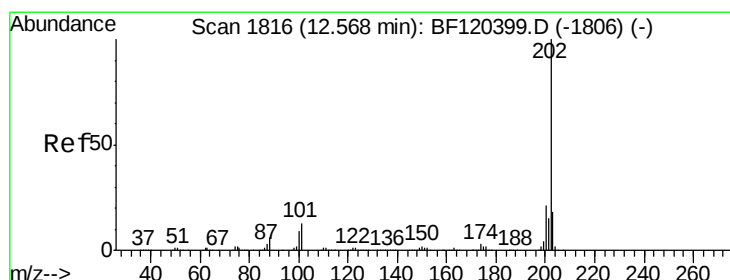
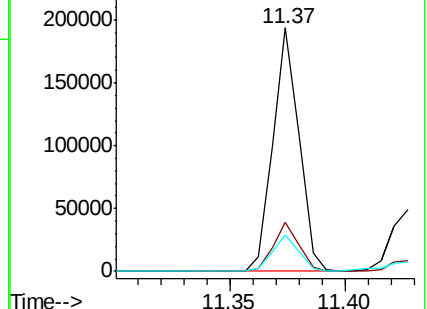
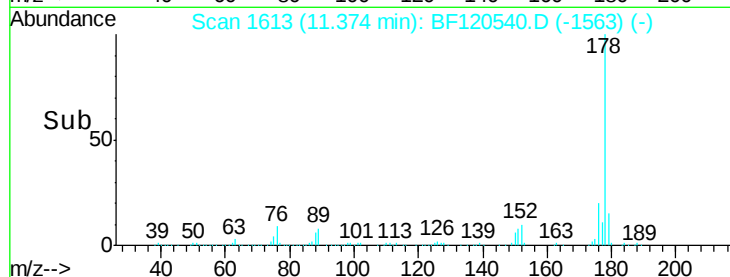
179 15.1 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 10.180 ng

RT: 12.56 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BF120540.D

Acq: 4 Jun 2020 18:20

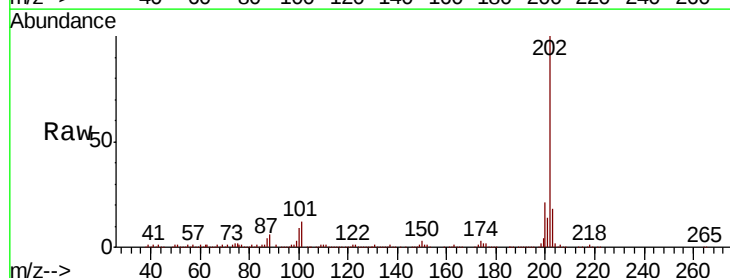
Tgt Ion:202 Resp: 314074

Ion Ratio Lower Upper

202 100

101 12.4 0.0 31.3

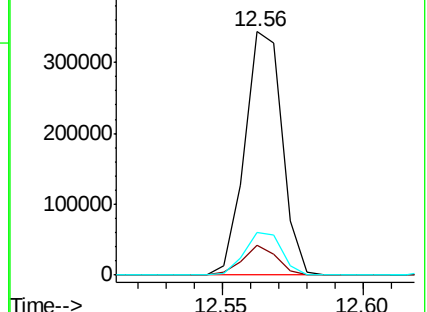
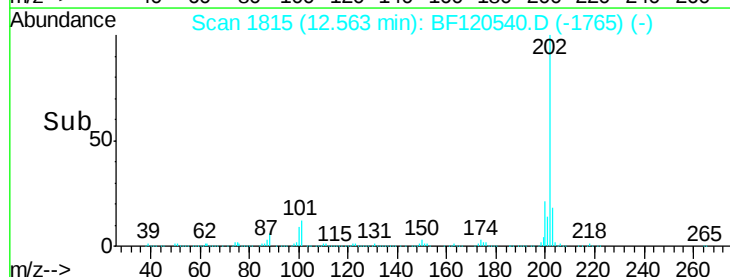
203 17.8 0.0 38.4

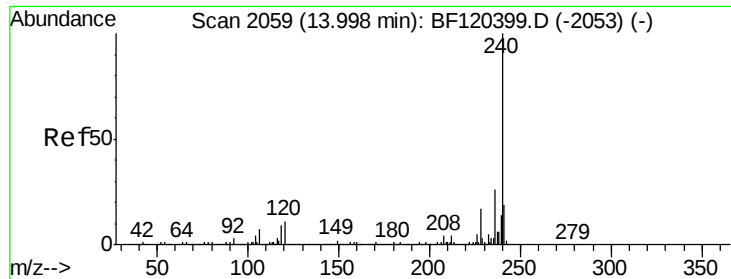


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

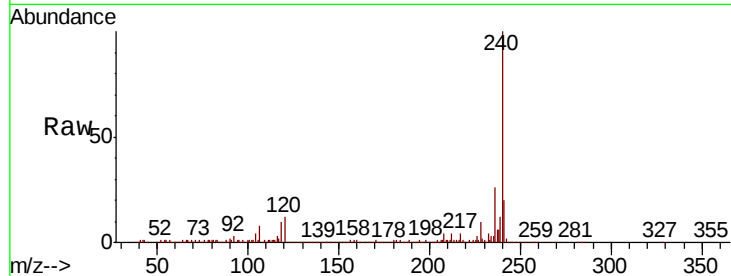




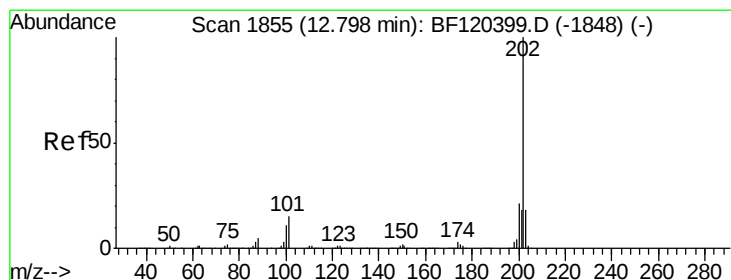
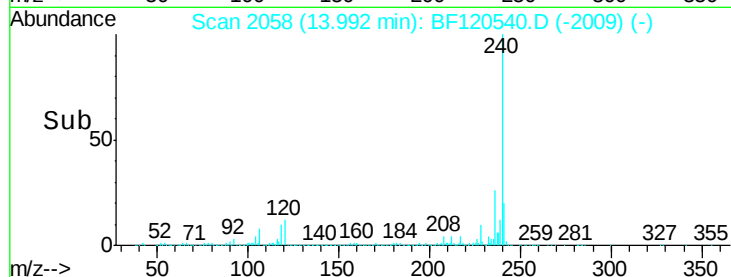
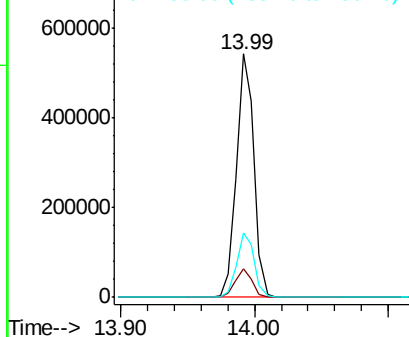
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2058
Delta R.T. -0.01 min
Lab File: BF120540.D
Acq: 4 Jun 2020 18:20

Instrument :
BNA_F
ClientSampleId :
NM1-COMP-2020-0-6

Tot Ion:240 Resp: 495902
Ion Ratio Lower Upper
240 100
120 11.9 7.7 11.5#
236 26.5 20.8 31.2

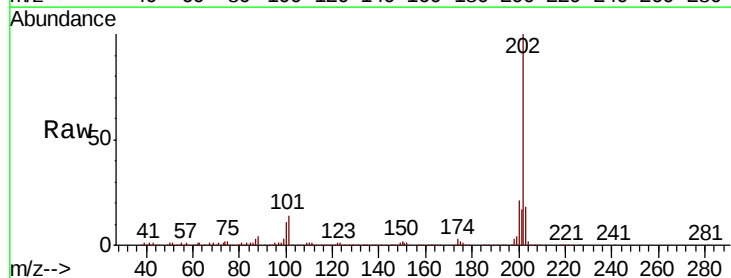


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

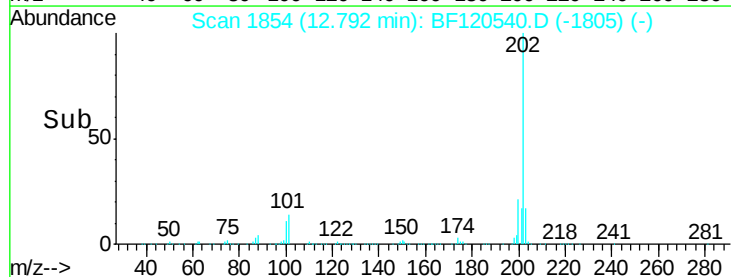
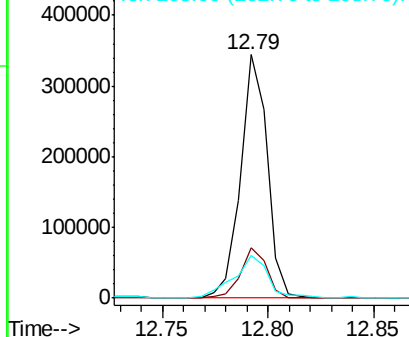


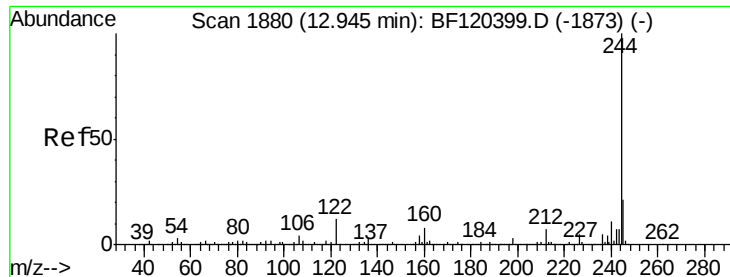
#78
Pyrene
Concen: 8.722 ng
RT: 12.79 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF120540.D
Acq: 4 Jun 2020 18:20

Tgt Ion:202 Resp: 300811
Ion Ratio Lower Upper
202 100
200 20.5 17.0 25.6
203 17.7 14.2 21.2



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 60.762 ng

RT: 12.94 min Scan# 1879

Delta R.T. -0.01 min

Lab File: BF120540.D

Acq: 4 Jun 2020 18:20

Instrument :

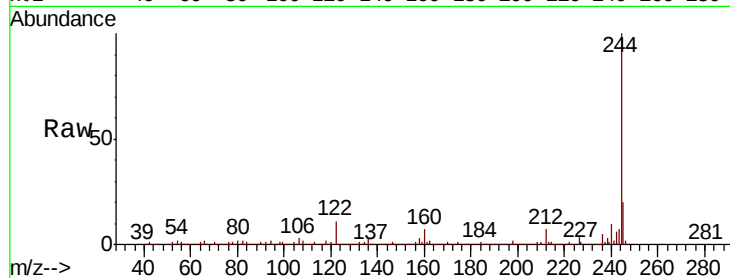
BNA_F

ClientSampleId :

NM1-COMP-2020-0-6

Tot Ion:244 Resp: 1354103

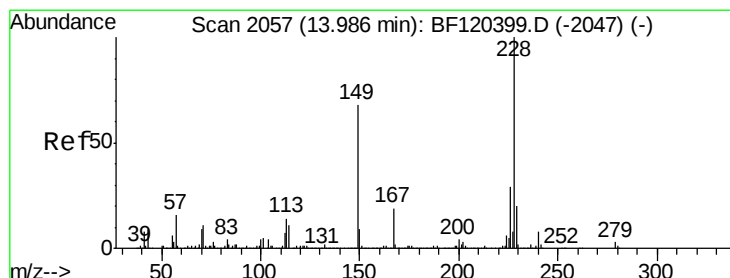
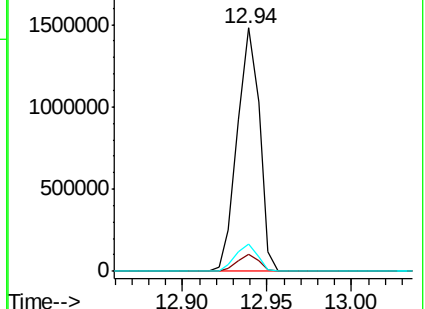
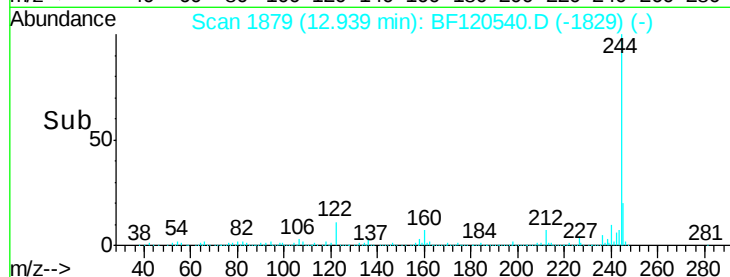
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	11.4	8.0	12.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 6.452 ng

RT: 13.98 min Scan# 2056

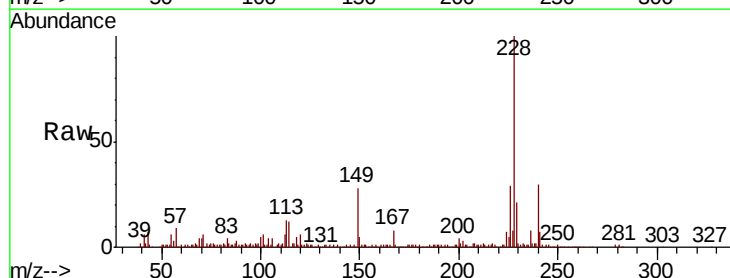
Delta R.T. -0.01 min

Lab File: BF120540.D

Acq: 4 Jun 2020 18:20

Tgt Ion:228 Resp: 171481

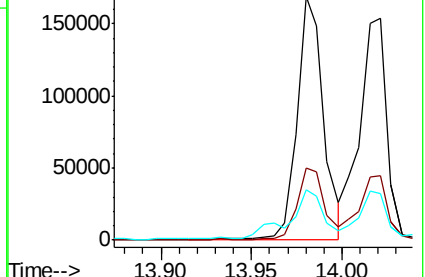
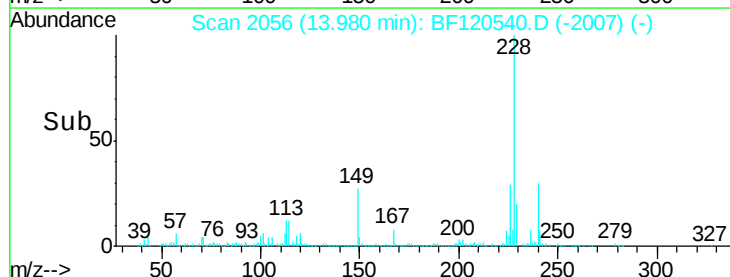
Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.4	33.6
229	20.6	16.2	24.2

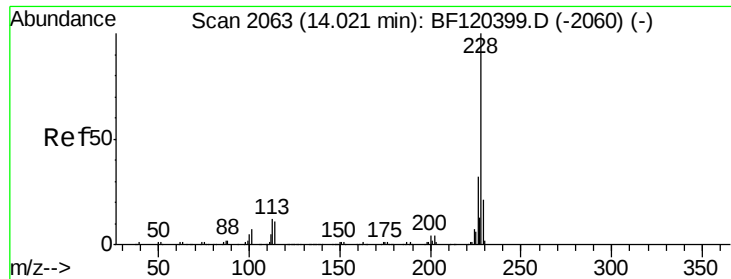


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

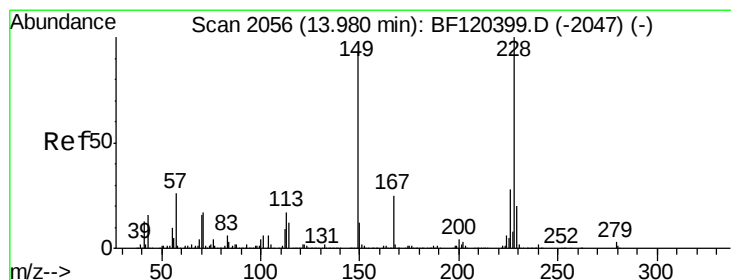
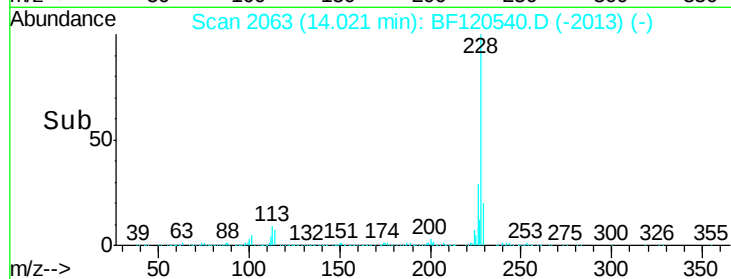
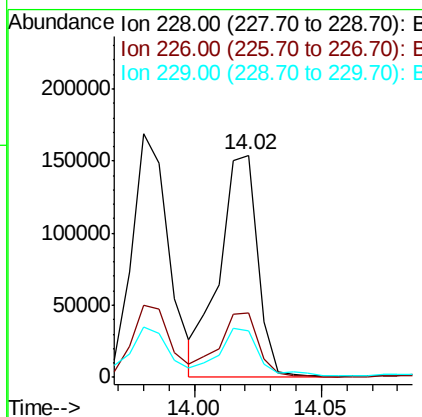
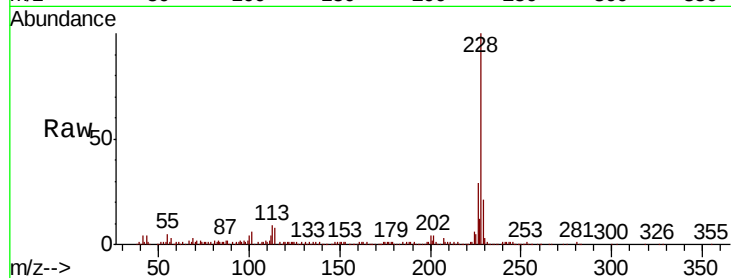




#83
 Chrvsene
 Concen: 5.770 ng
 RT: 14.02 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: BF120540.D
 Acq: 4 Jun 2020 18:20

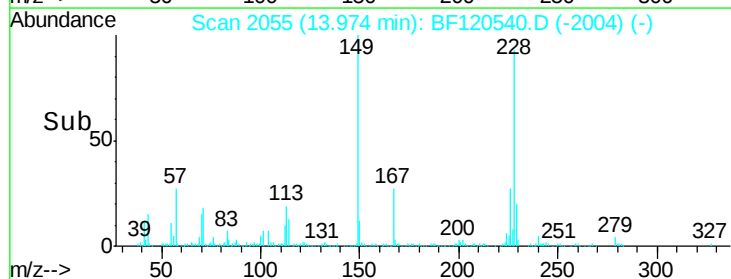
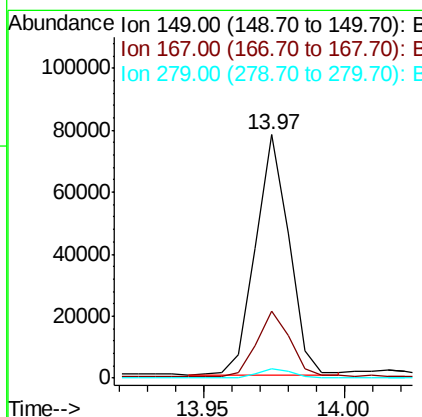
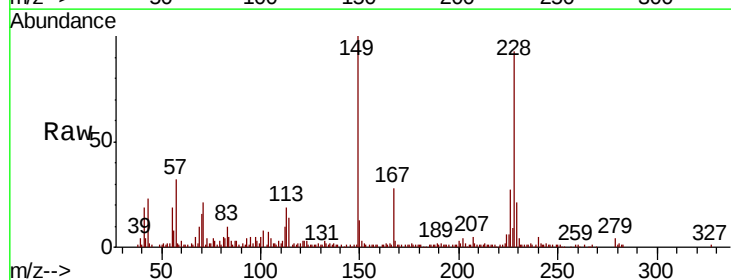
Instrument :
 BNA_F
 ClientSampleId :
 NM1-COMP-2020-0-6

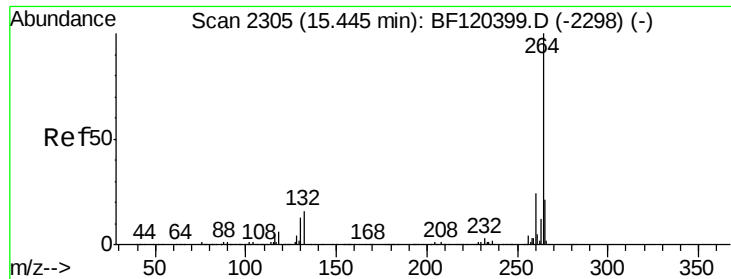
Tot Ion:228 Resp: 160777
 Ion Ratio Lower Upper
 228 100
 226 29.2 25.6 38.4
 229 21.1 16.2 24.2



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.765 ng
 RT: 13.97 min Scan# 2055
 Delta R.T. -0.00 min
 Lab File: BF120540.D
 Acq: 4 Jun 2020 18:20

Tgt Ion:149 Resp: 63636
 Ion Ratio Lower Upper
 149 100
 167 27.7 22.6 33.8
 279 3.7 3.1 4.7



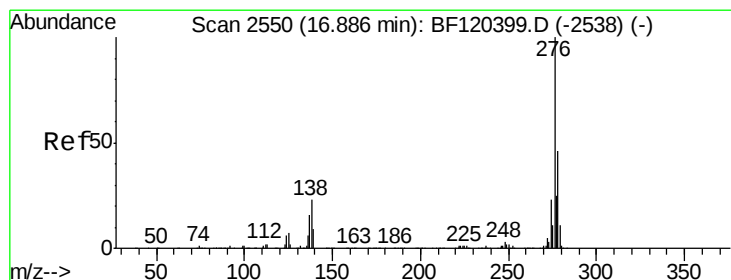
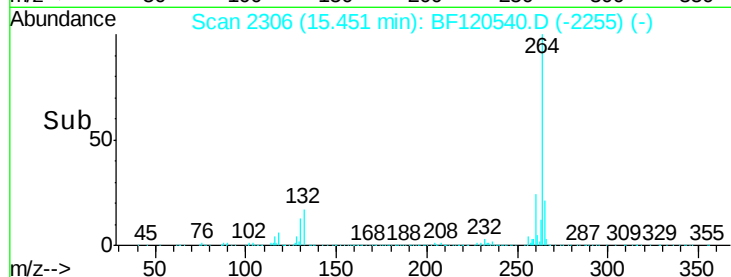
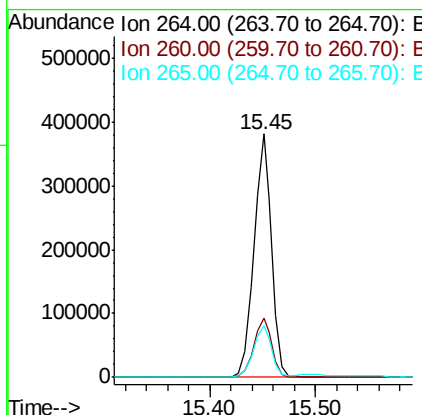
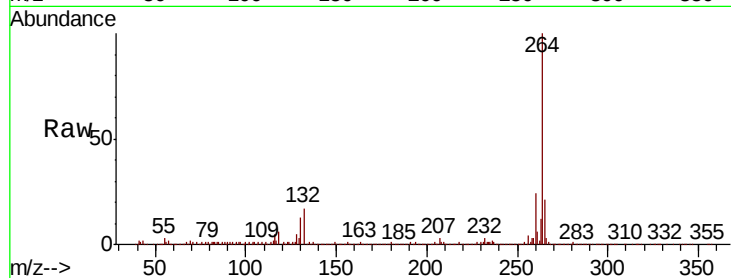


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2306
Delta R.T. -0.00 min
Lab File: BF120540.D
Acq: 4 Jun 2020 18:20

Instrument :
BNA_F
ClientSampleId :
NM1-COMP-2020-0-6

Tot Ion:264 Resp: 444207

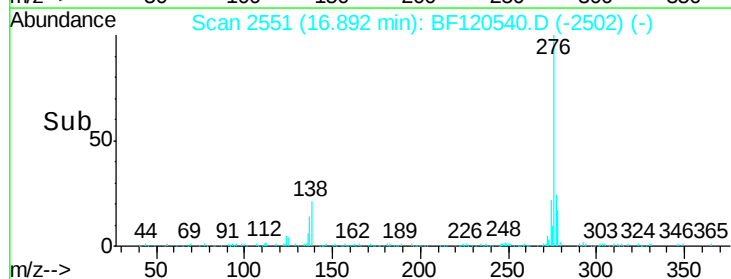
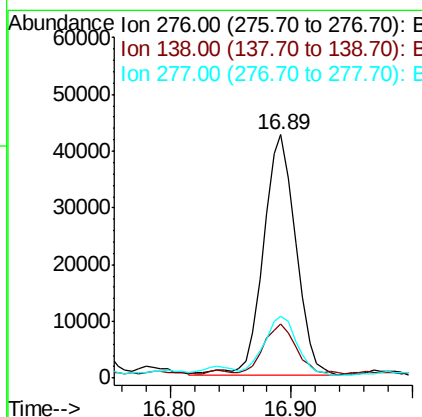
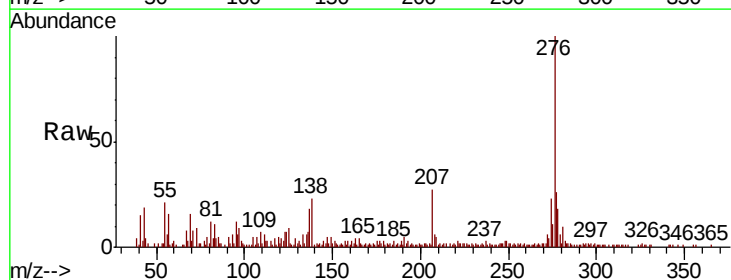
Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	21.2	17.5	26.3

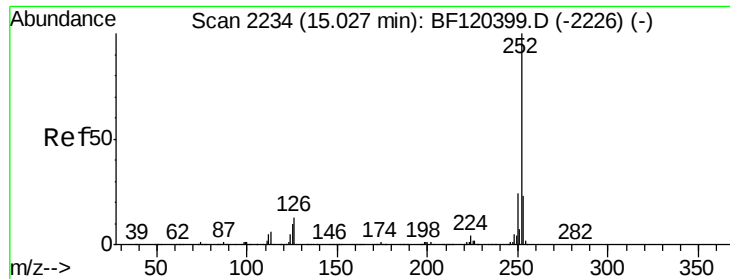


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.232 ng
RT: 16.89 min Scan# 2551
Delta R.T. -0.01 min
Lab File: BF120540.D
Acq: 4 Jun 2020 18:20

Tgt Ion:276 Resp: 78517

Ion	Ratio	Lower	Upper
276	100		
138	21.8	19.2	28.8
277	25.6	20.3	30.5

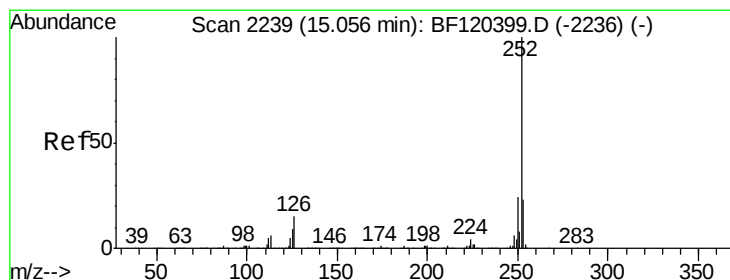
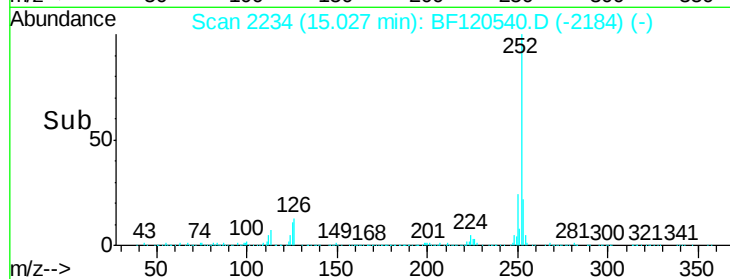
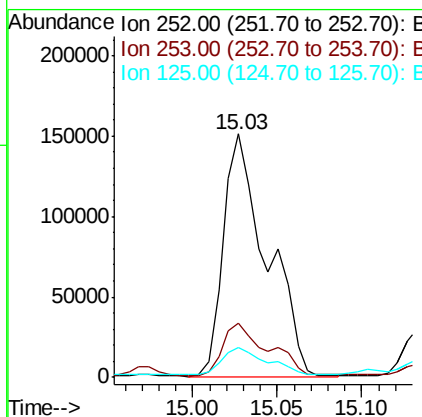
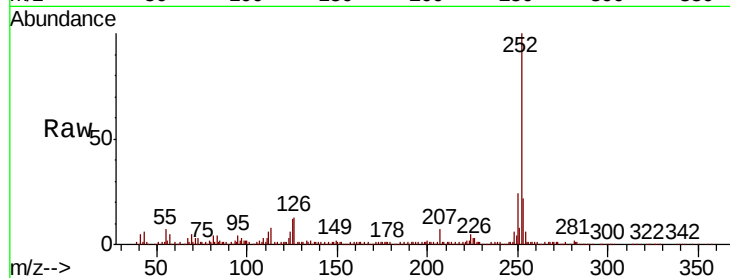




#88
Benzo(b)fluoranthene
Concen: 10.900 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF120540.D
Acq: 4 Jun 2020 18:20

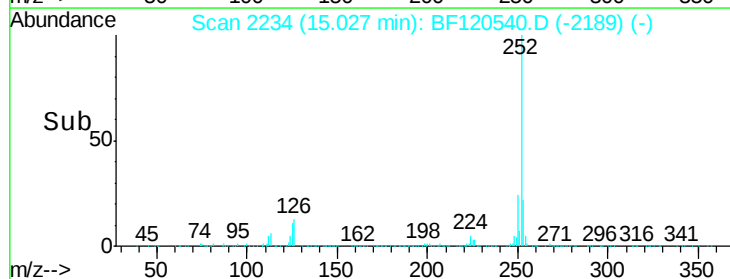
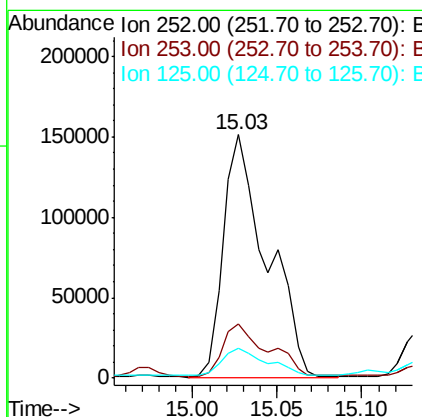
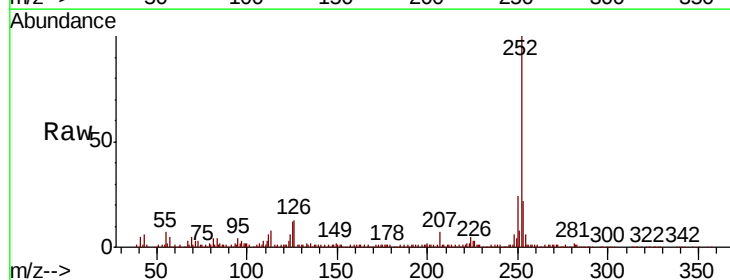
Instrument :
BNA_F
ClientSampleId :
NM1-COMP-2020-0-6

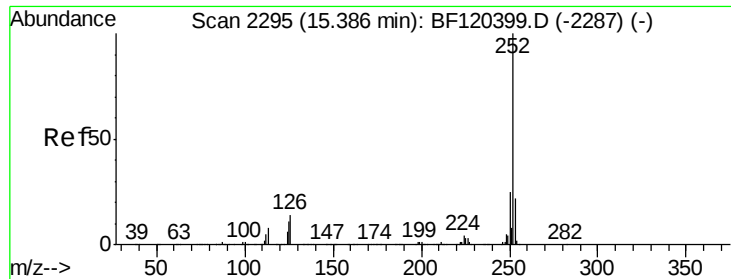
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.0	27.0
125	12.2	8.3	12.5



#89
Benzo(k)fluoranthene
Concen: 11.676 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.04 min
Lab File: BF120540.D
Acq: 4 Jun 2020 18:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.4	27.6
125	12.2	8.6	13.0

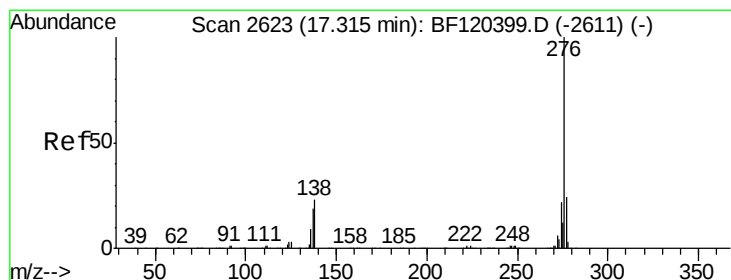
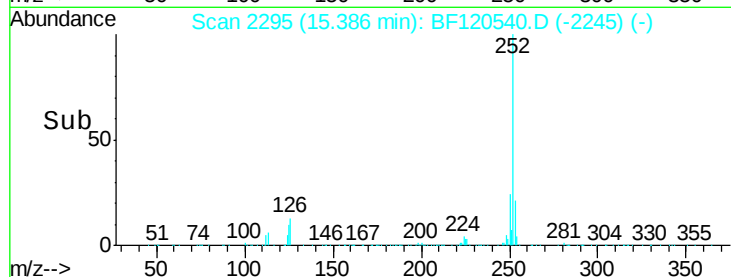
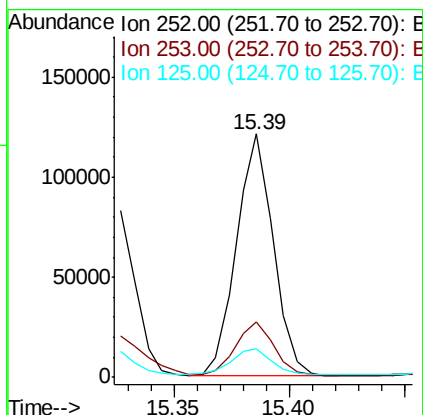
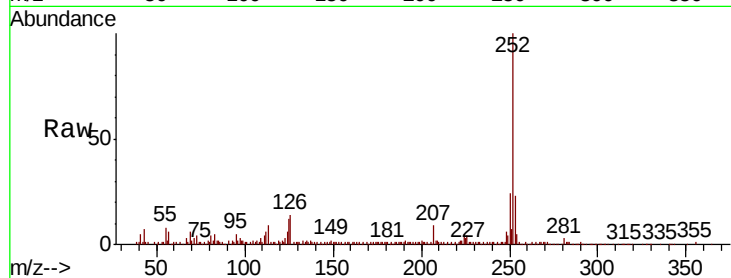




#90
Benzo(a)pyrene
Concen: 6.239 ng
RT: 15.39 min Scan# 2295
Delta R.T. -0.01 min
Lab File: BF120540.D
Acq: 4 Jun 2020 18:20

Instrument :
BNA_F
ClientSampleId :
NM1-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.2
125	11.8	9.6	14.4



#92
Benzo(g,h,i)perylene
Concen: 3.737 ng
RT: 17.33 min Scan# 2625
Delta R.T. -0.02 min
Lab File: BF120540.D
Acq: 4 Jun 2020 18:20

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.1	19.3	28.9
138	22.7	16.9	25.3

