

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
 Data File : BF120548.D
 Acq On : 4 Jun 2020 22:06
 Operator : JU/CG
 Sample : L2839-08RE 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM112-COMP-2020-0-6RE

Quant Time: Jun 05 00:30:46 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	216530	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	818590	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	273633	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	445451	20.00	ng	0.00
76) Chrysene-d12	14.00	240	427735	20.00	ng	0.00
86) Perylene-d12	15.46	264	339070	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	631364	55.57	ng	0.00
7) Phenol-d6	6.46	99	742604	53.03	ng	0.00
23) Nitrobenzene-d5	7.39	82	467702	37.37	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	141745	55.91	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	701728	43.51	ng	0.00
79) Terphenyl-d14	12.94	244	633220	32.94	ng	0.00

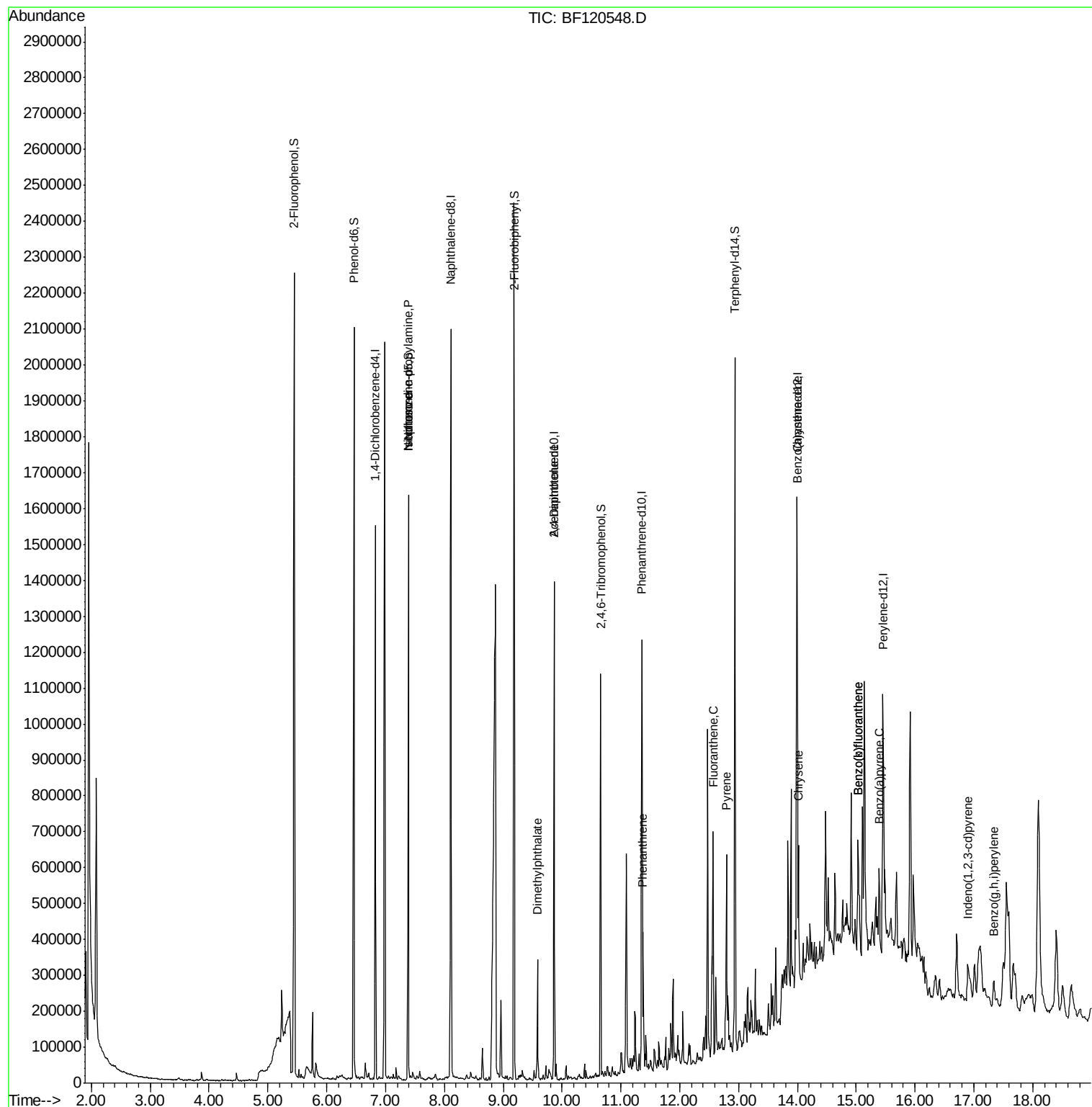
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.39	70	61705	6.931	ng	# 77
25) Isophorone	7.39	82	465158	18.494	ng	# 63
50) Dimethylphthalate	9.58	163	114210	6.676	ng	99
57) 2,4-Dinitrotoluene	9.87	165	35508	7.298	ng	# 25
71) Phenanthrene	11.37	178	121074	6.168	ng	98
75) Fluoranthene	12.57	202	249605	11.818	ng	96
78) Pyrene	12.80	202	232579	7.819	ng	97
81) Benzo(a)anthracene	13.99	228	160809	7.015	ng	96
83) Chrysene	14.02	228	139477	5.804	ng	98
87) Indeno(1,2,3-cd)pyrene	16.90	276	57342	3.092	ng	# 94
88) Benzo(b)fluoranthene	15.03	252	227508	12.080	ng	98
89) Benzo(k)fluoranthene	15.03	252	227508	12.940	ng	99
90) Benzo(a)pyrene	15.39	252	115382	7.004	ng	99
92) Benzo(a,h,i)perylene	17.34	276	54877	3.680	ng	98

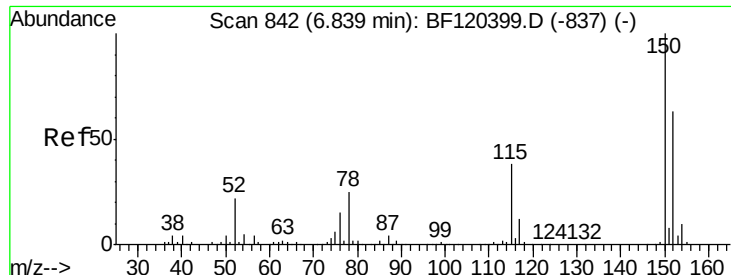
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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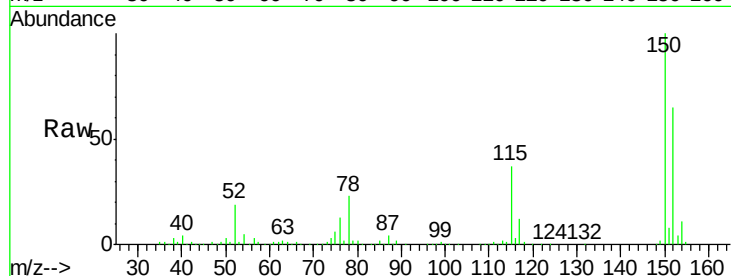


#1

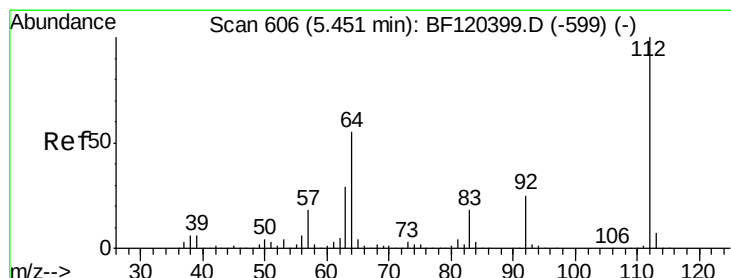
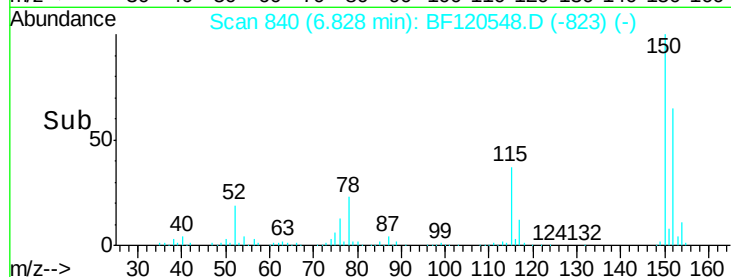
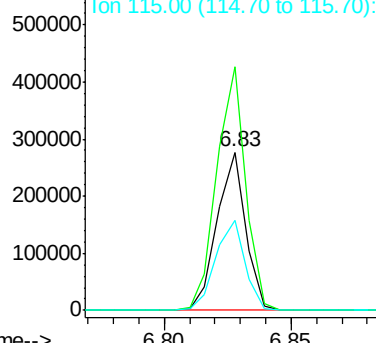
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 840
Delta R.T. -0.00 min
Lab File: BF120548.D
Acq: 4 Jun 2020 22:06

Instrument :
BNA_F
ClientSampleId :
NM112-COMP-2020-0-6RE

Tot Ion:152 Resp: 216530
Ion Ratio Lower Upper
152 100
150 154.2 126.3 189.5
115 56.6 48.1 72.1



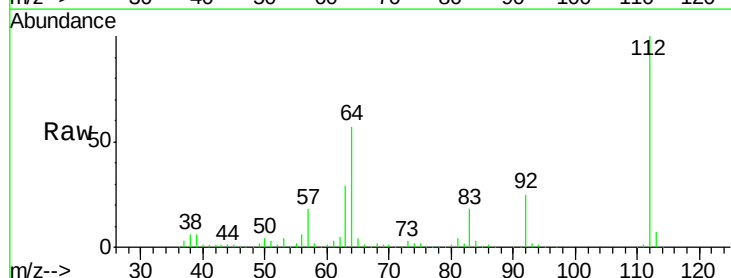
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



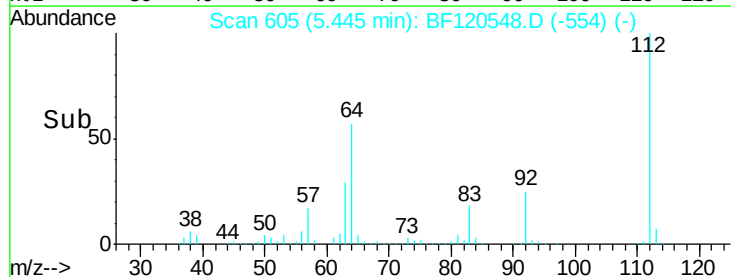
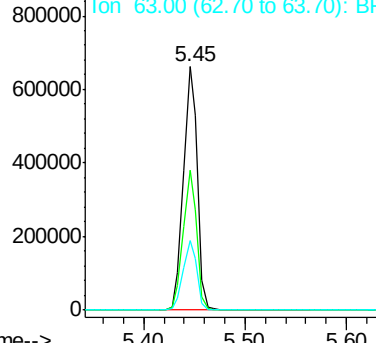
#5

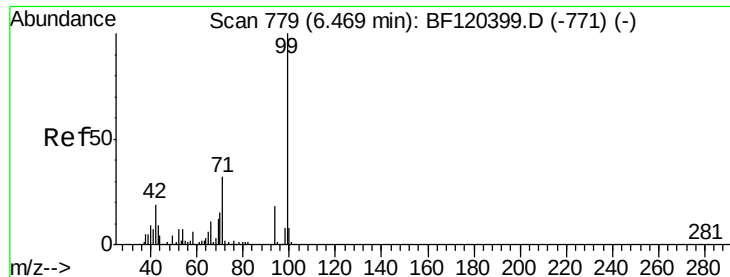
2-Fluorophenol
Concen: 55.568 ng
RT: 5.45 min Scan# 605
Delta R.T. -0.00 min
Lab File: BF120548.D
Acq: 4 Jun 2020 22:06

Tgt Ion:112 Resp: 631364
Ion Ratio Lower Upper
112 100
64 57.4 47.2 70.8
63 28.7 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: 53.026 ng

RT: 6.46 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF120548.D

Acq: 4 Jun 2020 22:06

Instrument :

BNA_F

ClientSampleId :

NM112-COMP-2020-0-6RE

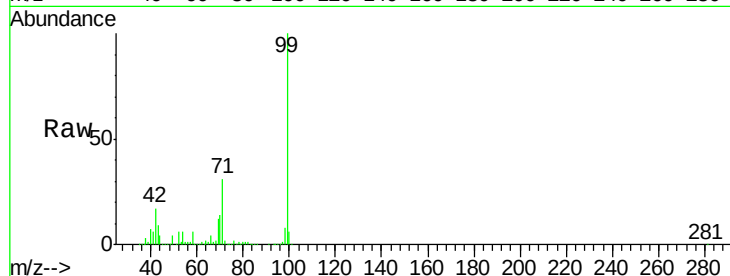
Tot Ion: 99 Resp: 742604

Ion Ratio Lower Upper

99 100

42 17.1 15.0 22.6

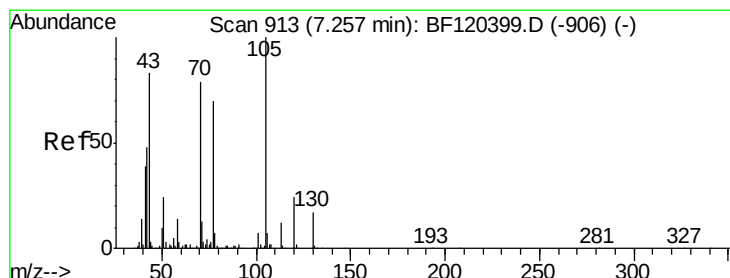
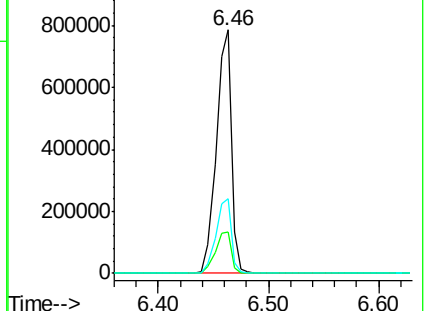
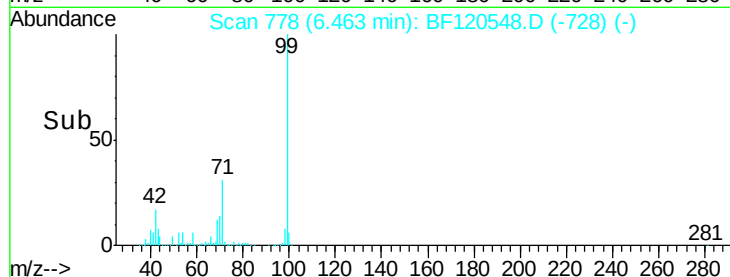
71 30.5 27.0 40.4



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: 6.931 ng

RT: 7.39 min Scan# 935

Delta R.T. 0.14 min

Lab File: BF120548.D

Acq: 4 Jun 2020 22:06

Tgt Ion: 70 Resp: 61705

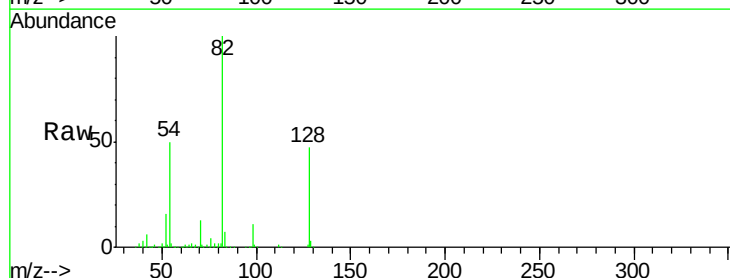
Ion Ratio Lower Upper

70 100

42 47.5 47.0 70.4

101 0.0 7.8 11.8#

130 2.1 17.9 26.9#

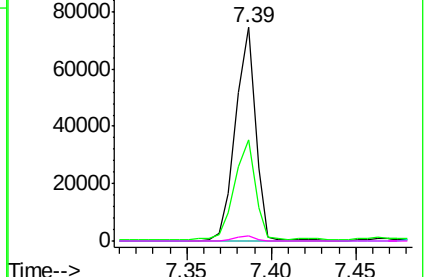
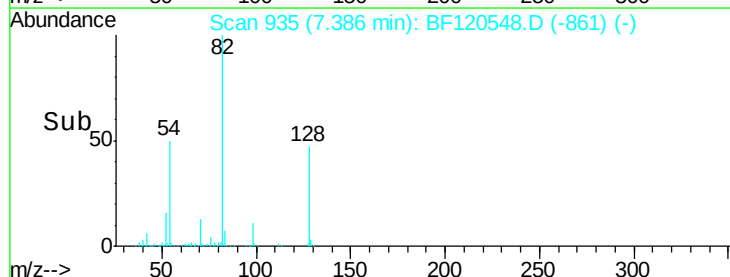


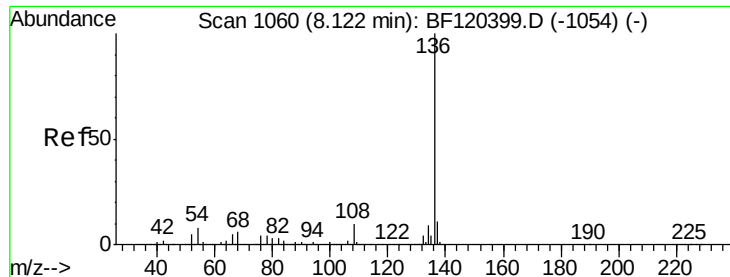
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

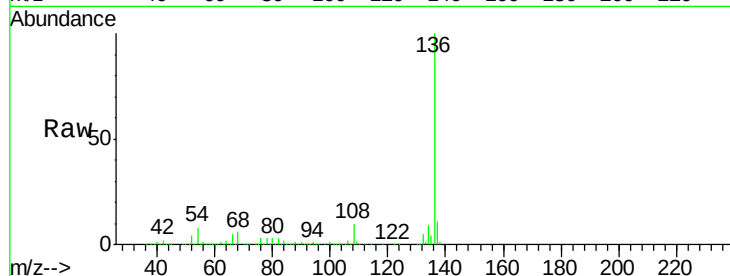




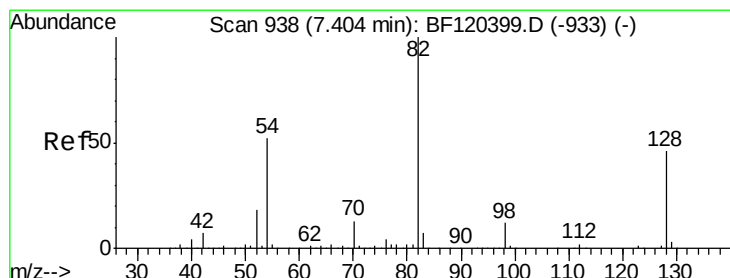
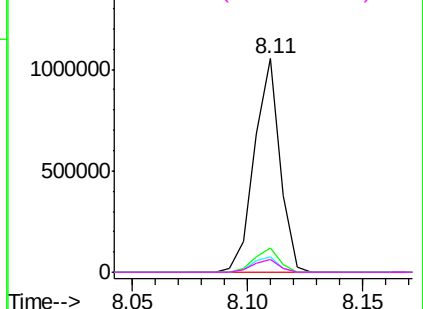
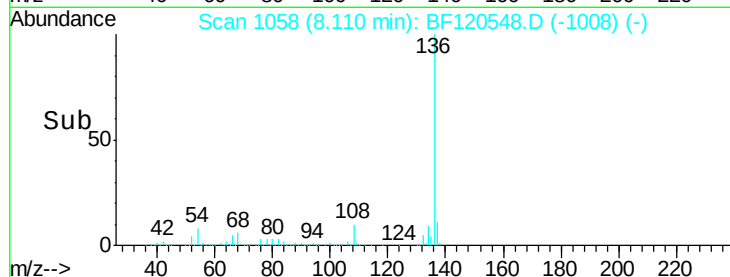
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1058
Delta R.T. -0.01 min
Lab File: BF120548.D
Acq: 4 Jun 2020 22:06

Instrument :
BNA_F
ClientSampleId :
NM112-COMP-2020-0-6RE

Tot Ion:136	Resp:	818590
Ion	Ratio	Lower Upper
136	100	
137	11.1	8.8 13.2
54	7.5	5.4 8.0
68	6.0	4.3 6.5

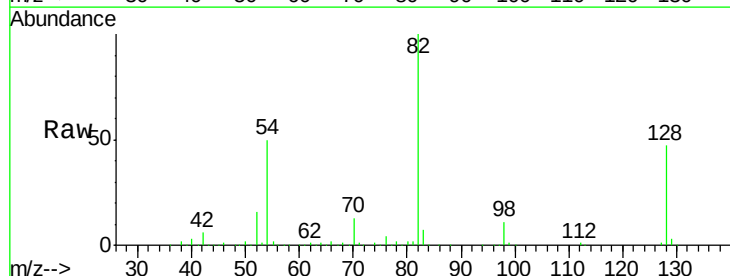


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

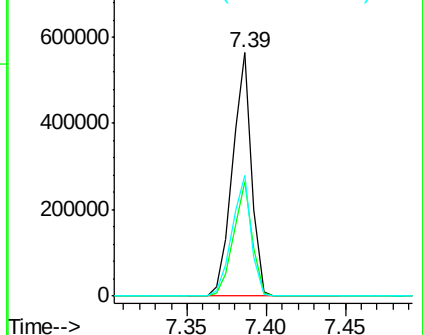
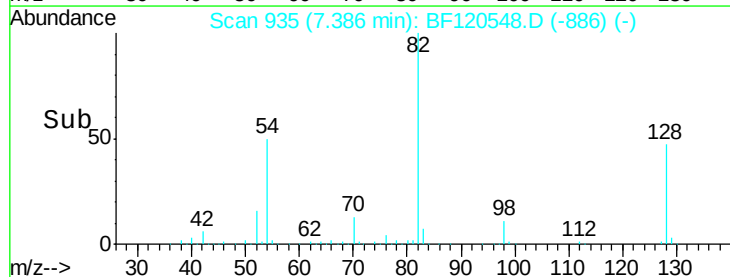


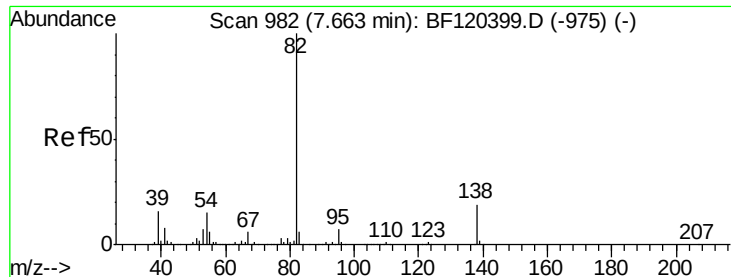
#23
Nitrobenzene-d5
Concen: 37.374 ng
RT: 7.39 min Scan# 935
Delta R.T. -0.01 min
Lab File: BF120548.D
Acq: 4 Jun 2020 22:06

Tgt Ion: 82	Resp:	467702
Ion	Ratio	Lower Upper
82	100	
128	47.0	36.7 55.1
54	49.5	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: 18.494 ng

RT: 7.39 min Scan# 935

Delta R.T. -0.27 min

Lab File: BF120548.D

Acq: 4 Jun 2020 22:06

Instrument :

BNA_F

ClientSampleId :

NM112-COMP-2020-0-6RE

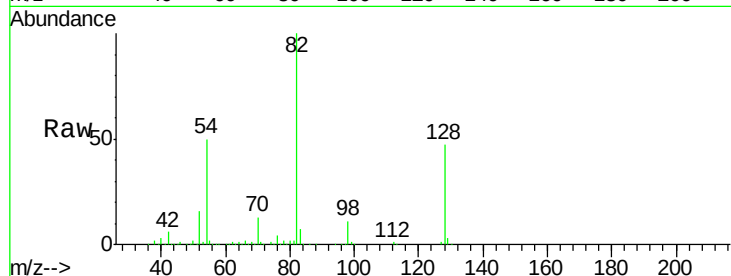
Tot Ion: 82 Resp: 465158

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

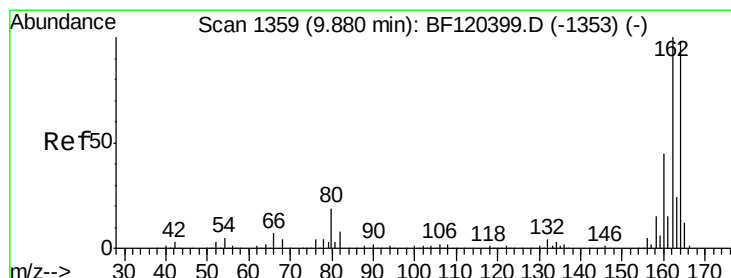
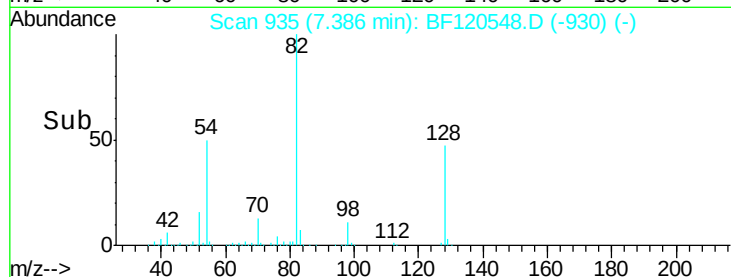
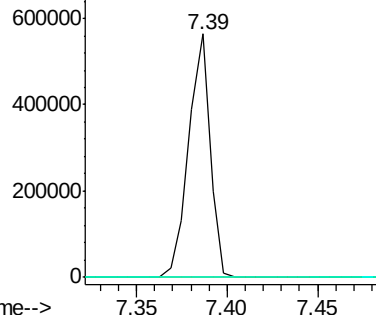
138 0.0 15.6 23.4#



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: 9.87 min Scan# 1357

Delta R.T. -0.00 min

Lab File: BF120548.D

Acq: 4 Jun 2020 22:06

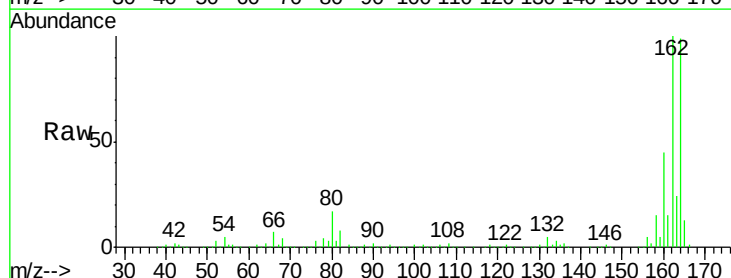
Tgt Ion:164 Resp: 273633

Ion Ratio Lower Upper

164 100

162 100.7 81.2 121.8

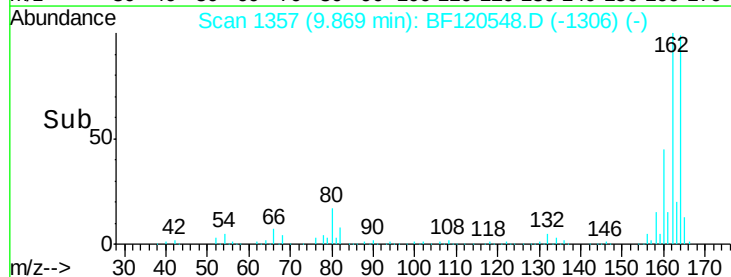
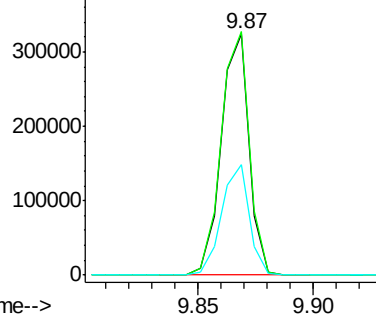
160 45.5 37.0 55.4

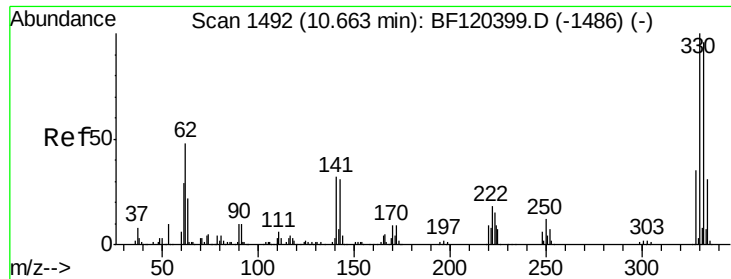


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 55.908 ng

RT: 10.66 min Scan# 1491

Delta R.T. -0.01 min

Lab File: BF120548.D

Acq: 4 Jun 2020 22:06

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NM112-COMP-2020-0-6RE

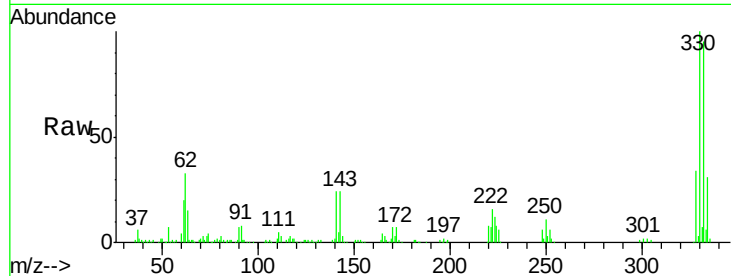
Tot Ion:330 Resp: 141745

Ion Ratio Lower Upper

330 100

332 94.5 77.0 115.4

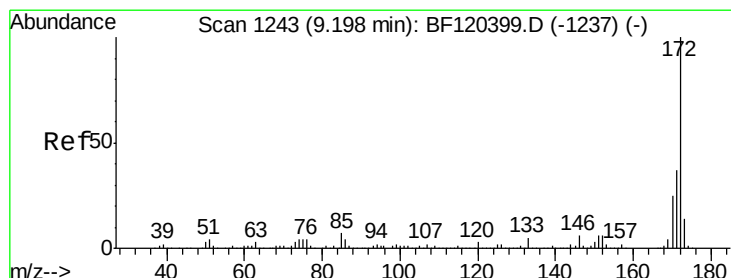
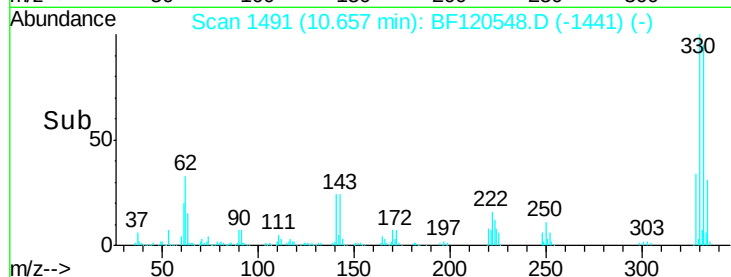
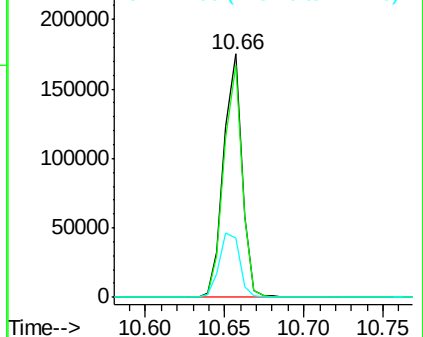
141 29.5 23.8 35.8



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: 43.511 ng

RT: 9.19 min Scan# 1241

Delta R.T. -0.01 min

Lab File: BF120548.D

Acq: 4 Jun 2020 22:06

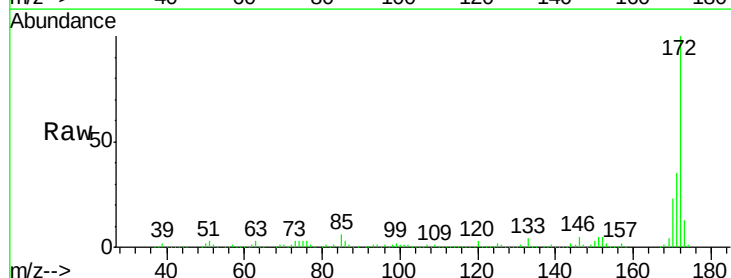
Tgt Ion:172 Resp: 701728

Ion Ratio Lower Upper

172 100

171 35.1 29.5 44.3

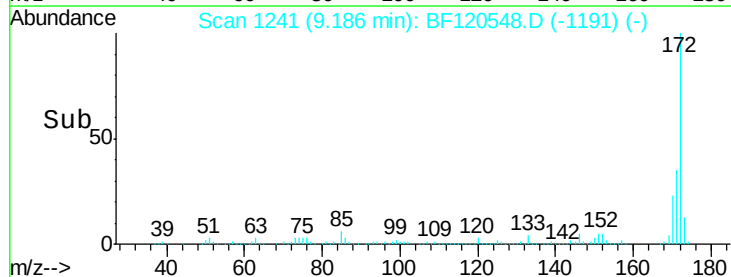
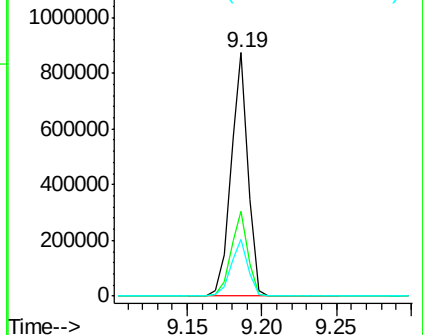
170 23.3 19.8 29.6

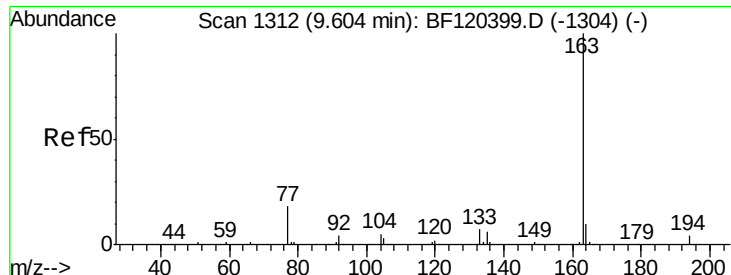


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

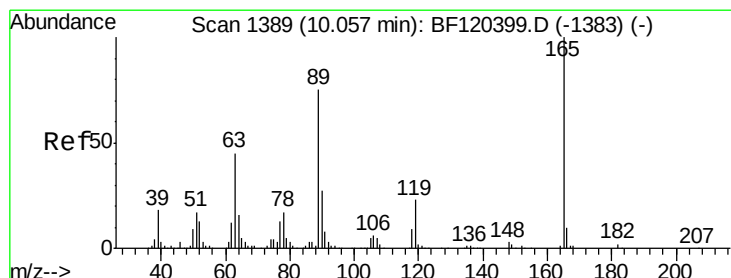
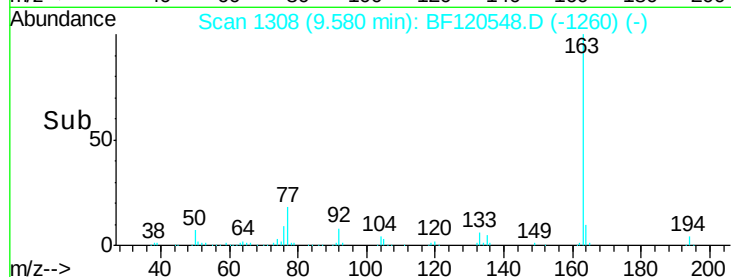
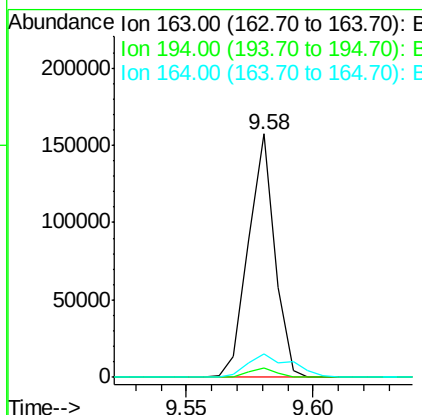
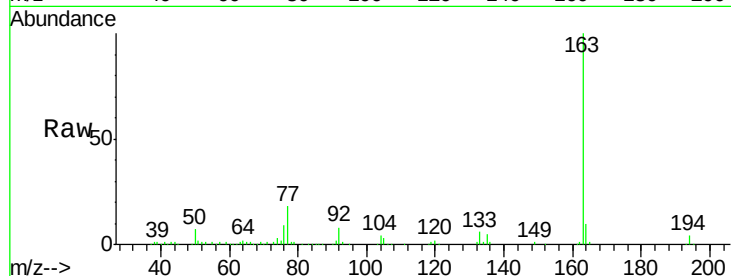




#50
Dimethylphthalate
Concen: 6.676 ng
RT: 9.58 min Scan# 1308
Delta R.T. -0.02 min
Lab File: BF120548.D
Acq: 4 Jun 2020 22:06

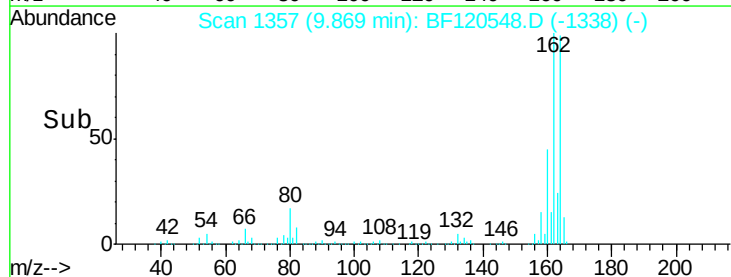
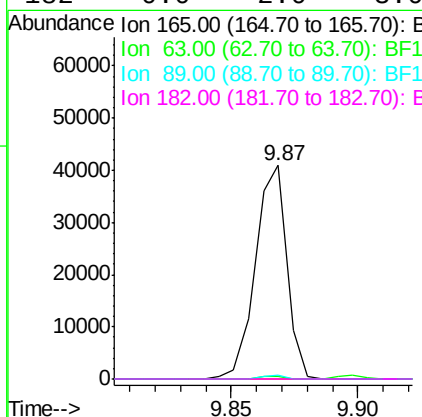
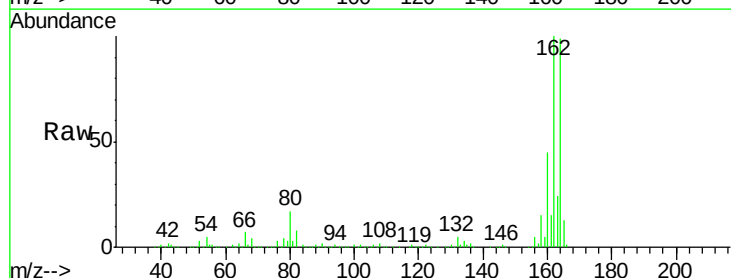
Instrument :
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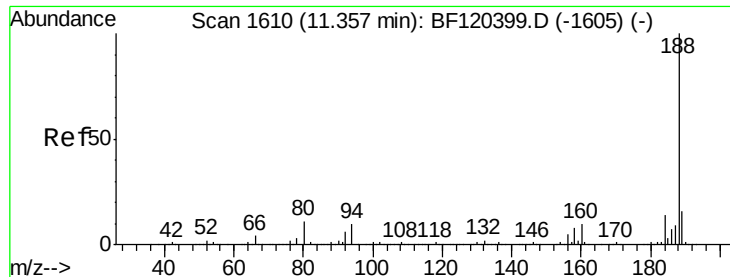
Tot Ion:163 Resp: 114210
Ion Ratio Lower Upper
163 100
194 3.6 3.1 4.7
164 9.8 8.0 12.0



#57
2,4-Dinitrotoluene
Concen: 7.298 ng
RT: 9.87 min Scan# 1357
Delta R.T. -0.19 min
Lab File: BF120548.D
Acq: 4 Jun 2020 22:06

Tgt Ion:165 Resp: 35508
Ion Ratio Lower Upper
165 100
63 1.1 34.1 51.1#
89 1.7 56.2 84.4#
182 0.0 2.0 3.0#

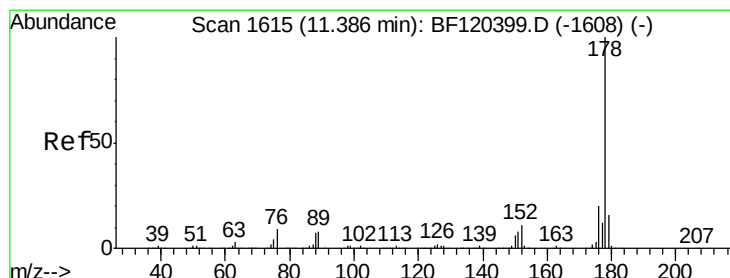
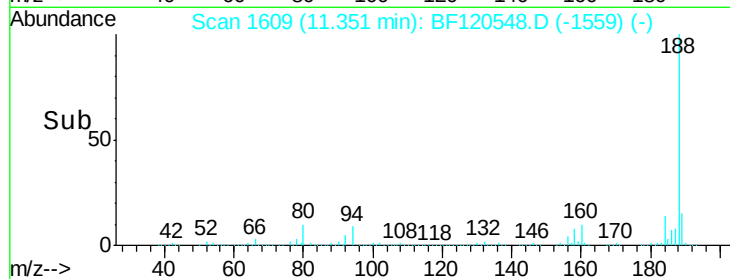
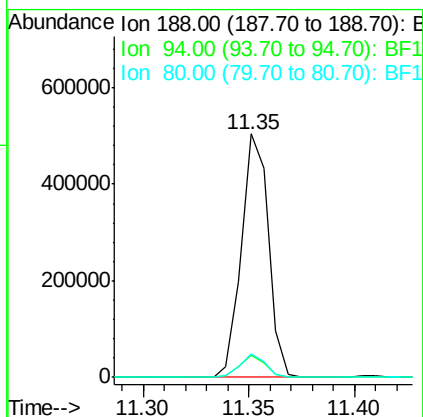
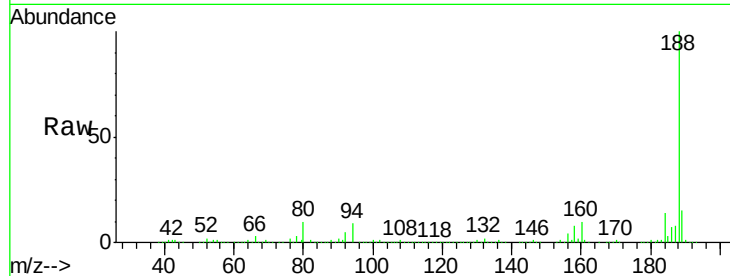




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1609
 Delta R.T. -0.01 min
 Lab File: BF120548.D
 Acq: 4 Jun 2020 22:06

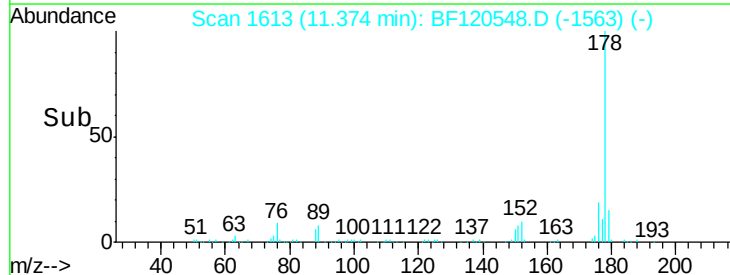
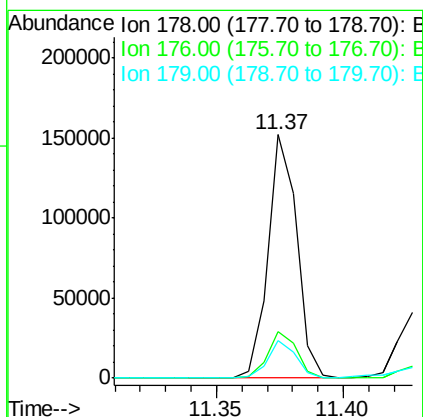
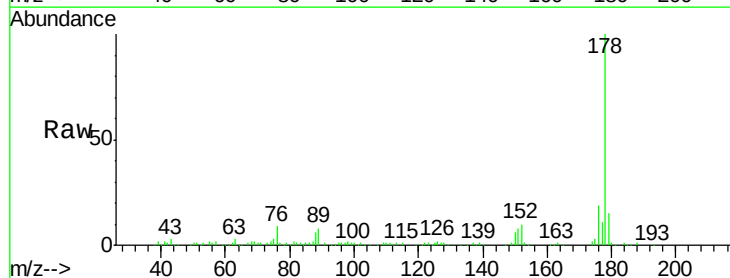
Instrument :
 BNA_F
 ClientSampleId :
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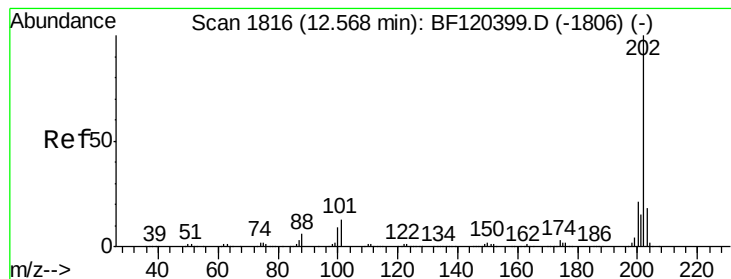
Tot Ion:188 Resp: 445451
 Ion Ratio Lower Upper
 188 100
 94 9.0 7.4 11.2
 80 9.7 7.6 11.4



#71
 Phenanthrene
 Concen: 6.168 ng
 RT: 11.37 min Scan# 1613
 Delta R.T. -0.01 min
 Lab File: BF120548.D
 Acq: 4 Jun 2020 22:06

Tgt Ion:178 Resp: 121074
 Ion Ratio Lower Upper
 178 100
 176 19.0 16.2 24.2
 179 15.3 12.8 19.2





#75

Fluoranthene

Concen: 11.818 ng

RT: 12.57 min Scan# 1816

Delta R.T. -0.00 min

Lab File: BF120548.D

Acq: 4 Jun 2020 22:06

Instrument :

BNA_F

ClientSampleId :

NM112-COMP-2020-0-6RE

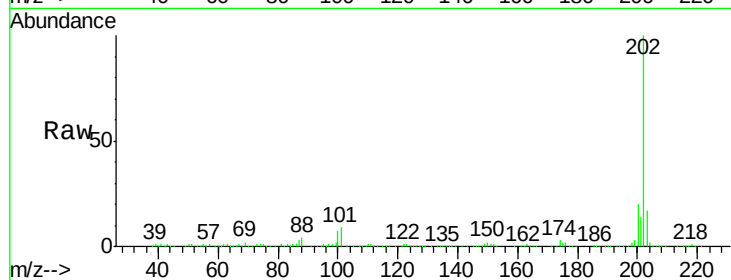
Tot Ion:202 Resp: 249605

Ion Ratio Lower Upper

202 100

101 9.3 0.0 31.3

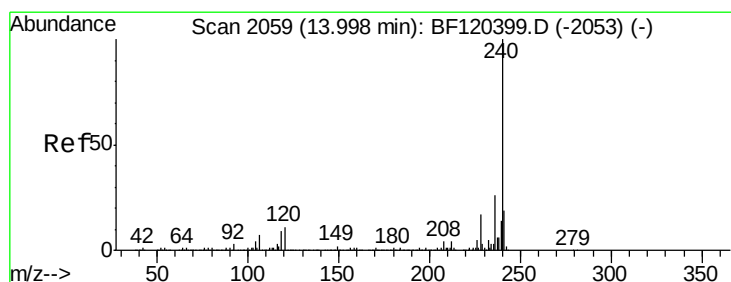
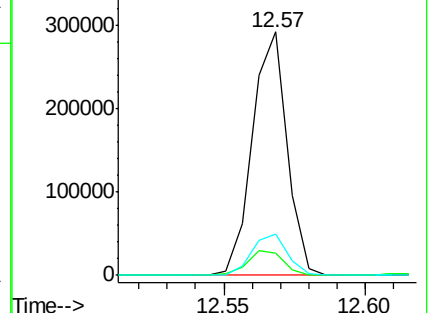
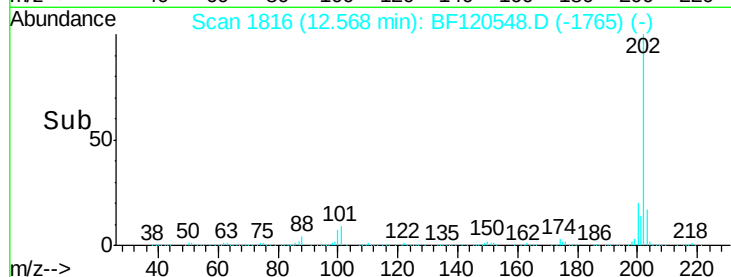
203 16.9 0.0 38.4



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: 14.00 min Scan# 2059

Delta R.T. -0.01 min

Lab File: BF120548.D

Acq: 4 Jun 2020 22:06

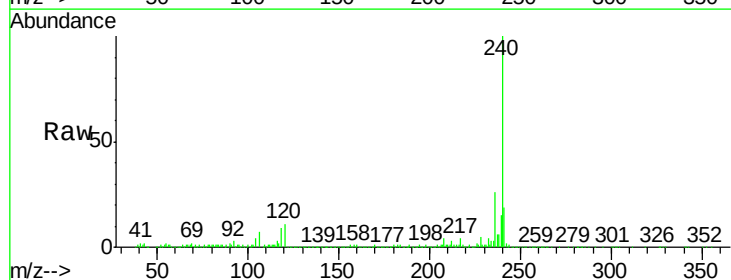
Tgt Ion:240 Resp: 427735

Ion Ratio Lower Upper

240 100

120 10.7 7.7 11.5

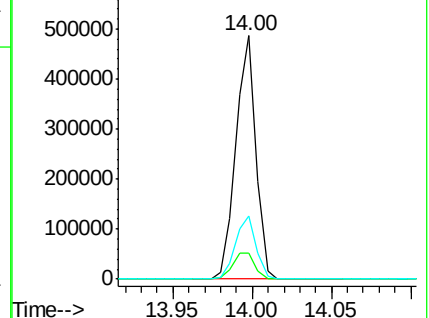
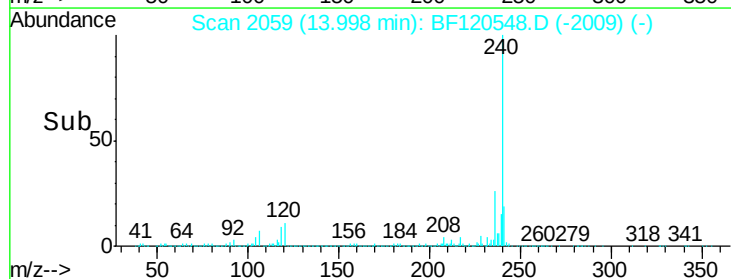
236 26.2 20.8 31.2

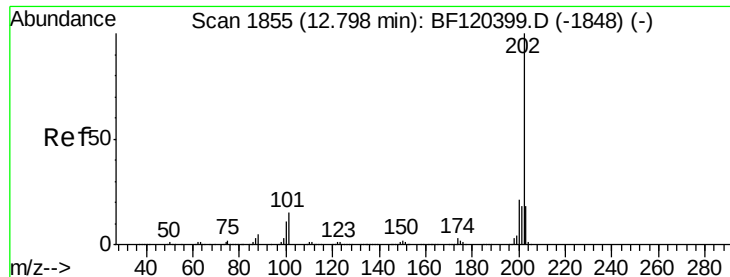


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 7.819 ng

RT: 12.80 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF120548.D

Acq: 4 Jun 2020 22:06

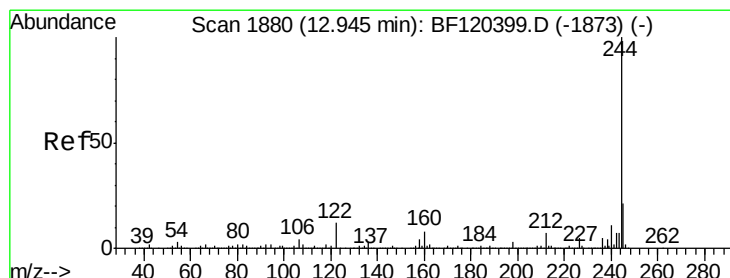
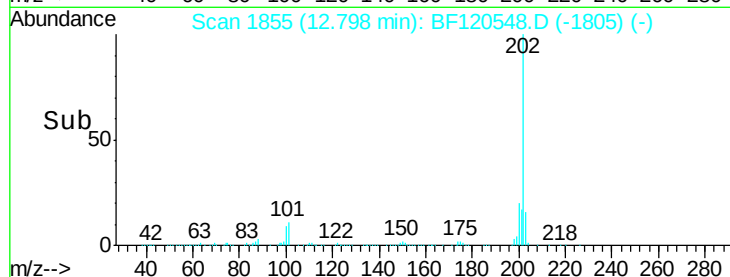
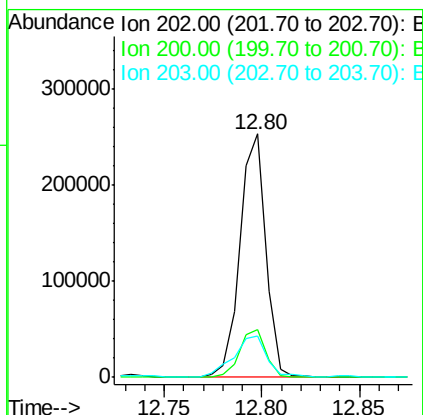
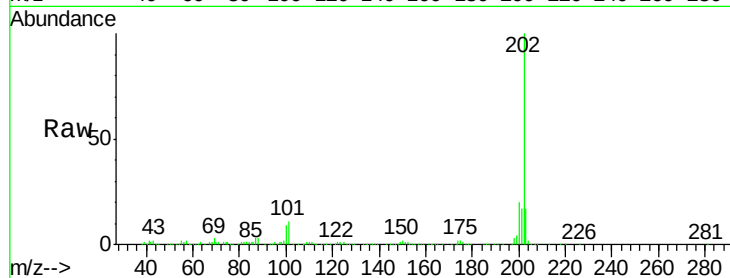
Instrument :

BNA_F

ClientSampleId :

NM112-COMP-2020-0-6RE

Tot Ion:	202	Resp:	232579
Ion	Ratio	Lower	Upper
202	100		
200	19.7	17.0	25.6
203	16.9	14.2	21.2



#79

Terphenyl-d14

Concen: 32.942 ng

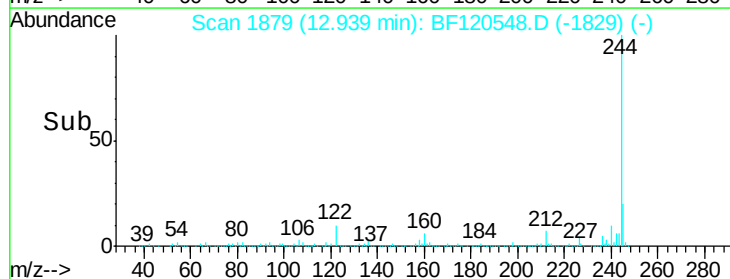
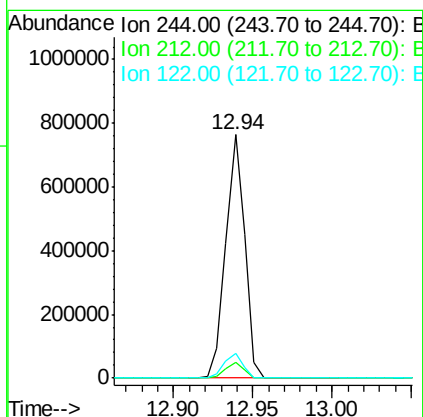
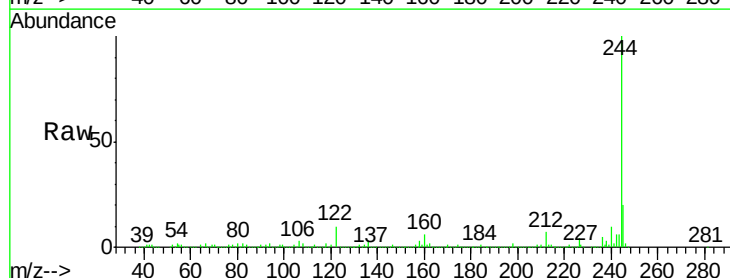
RT: 12.94 min Scan# 1879

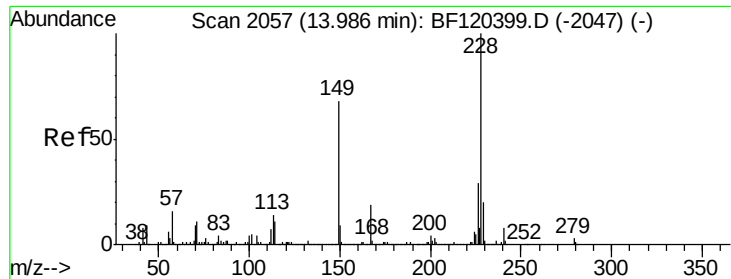
Delta R.T. -0.01 min

Lab File: BF120548.D

Acq: 4 Jun 2020 22:06

Tgt Ion:	244	Resp:	633220
Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.7	8.5
122	10.1	8.0	12.0

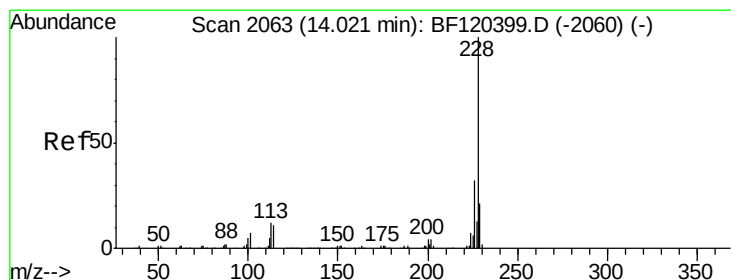
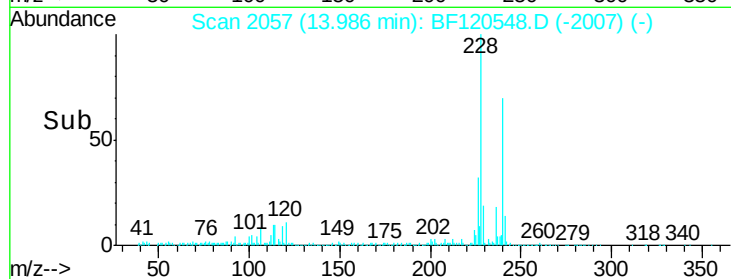
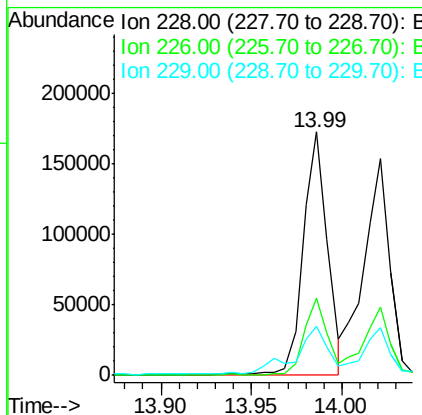
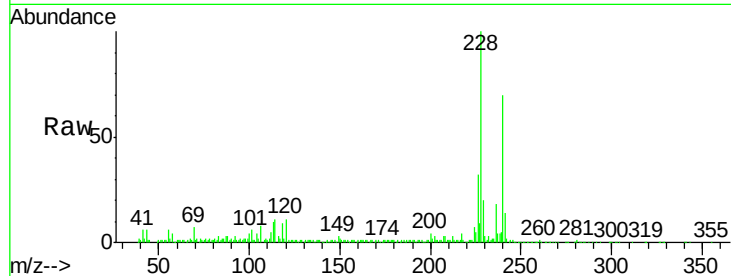




#81
Benzo(a)anthracene
Concen: 7.015 ng
RT: 13.99 min Scan# 2057
Delta R.T. -0.01 min
Lab File: BF120548.D
Acq: 4 Jun 2020 22:06

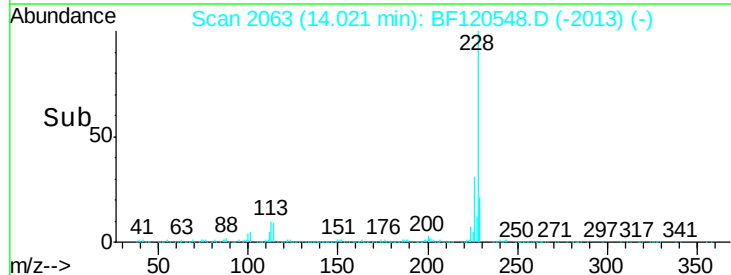
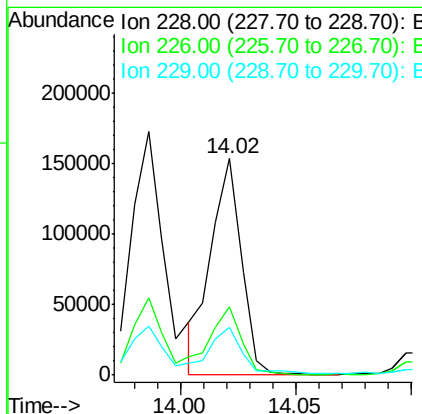
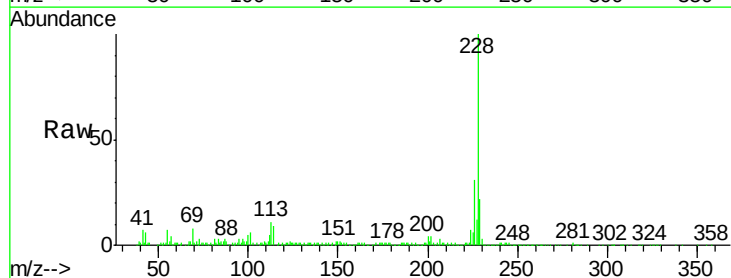
Instrument :
BNA_F
ClientSampleId :
NM112-COMP-2020-0-6RE

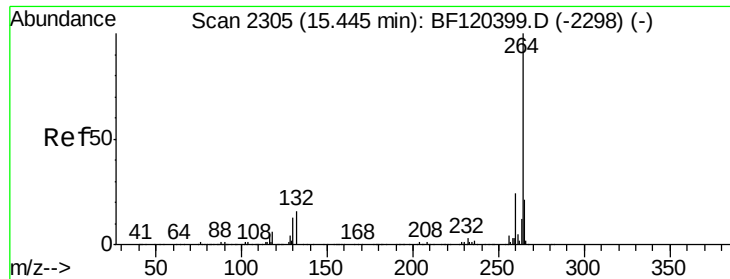
Tot Ion:228 Resp: 160809
Ion Ratio Lower Upper
228 100
226 31.8 22.4 33.6
229 20.0 16.2 24.2



#83
Chrysene
Concen: 5.804 ng
RT: 14.02 min Scan# 2063
Delta R.T. -0.01 min
Lab File: BF120548.D
Acq: 4 Jun 2020 22:06

Tgt Ion:228 Resp: 139477
Ion Ratio Lower Upper
228 100
226 31.5 25.6 38.4
229 22.2 16.2 24.2



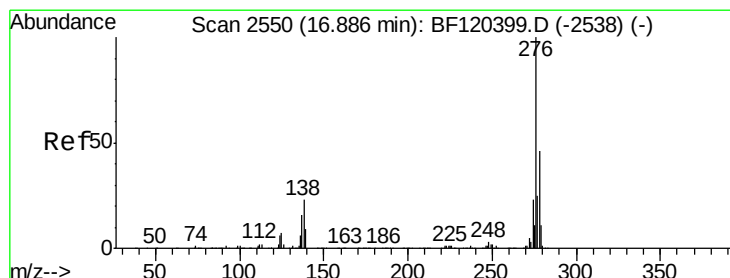
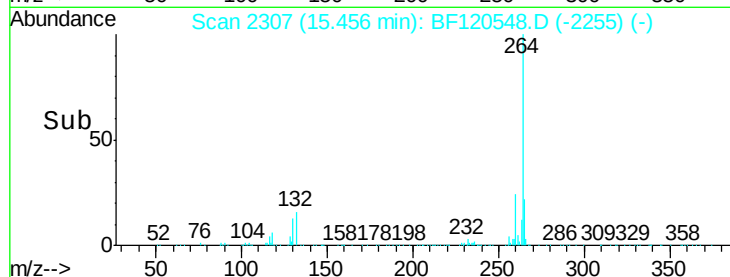
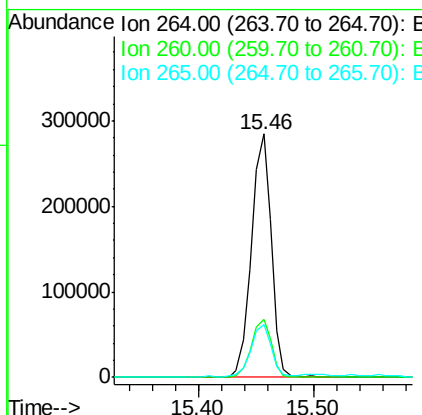
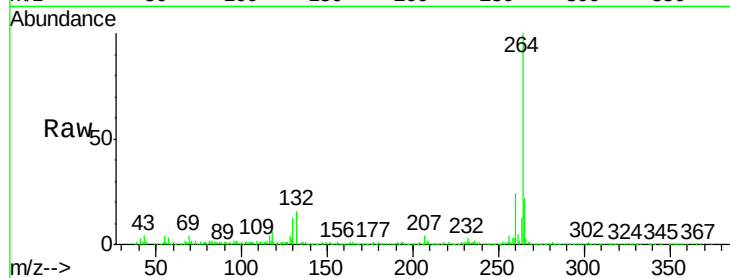


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2307
Delta R.T. 0.01 min
Lab File: BF120548.D
Acq: 4 Jun 2020 22:06

Instrument :
BNA_F
ClientSampleId :
NM112-COMP-2020-0-6RE

Tot Ion:264 Resp: 339070

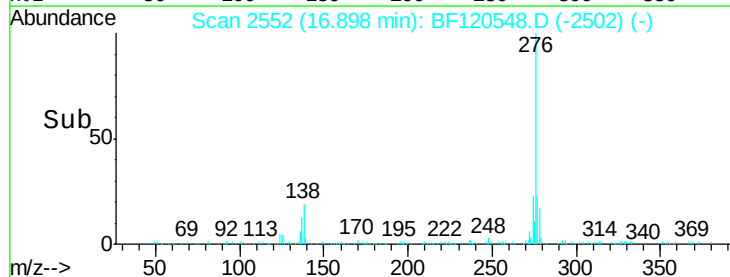
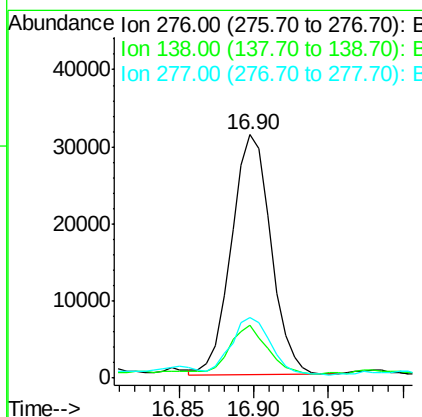
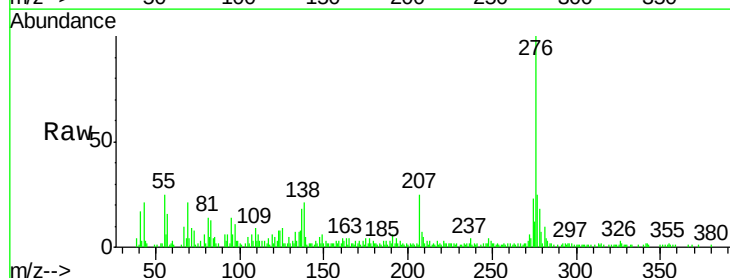
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	22.0	17.5	26.3

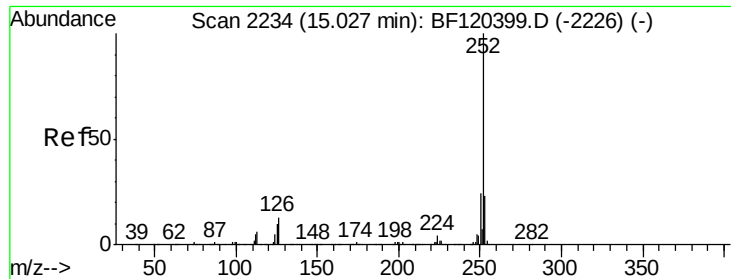


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.092 ng
RT: 16.90 min Scan# 2552
Delta R.T. -0.01 min
Lab File: BF120548.D
Acq: 4 Jun 2020 22:06

Tgt Ion:276 Resp: 57342

Ion	Ratio	Lower	Upper
276	100		
138	19.2	19.2	28.8#
277	23.8	20.3	30.5

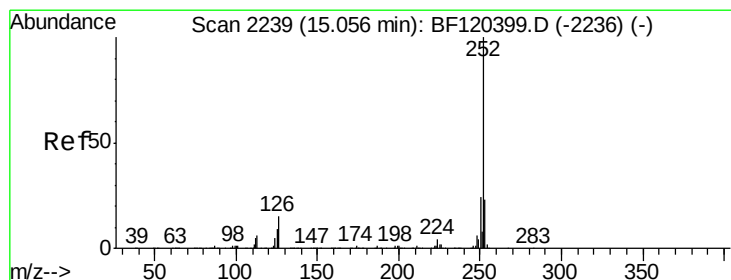
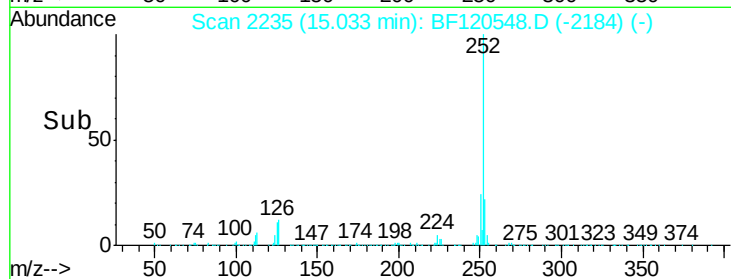
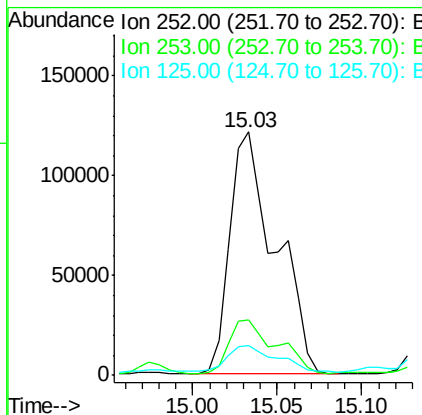
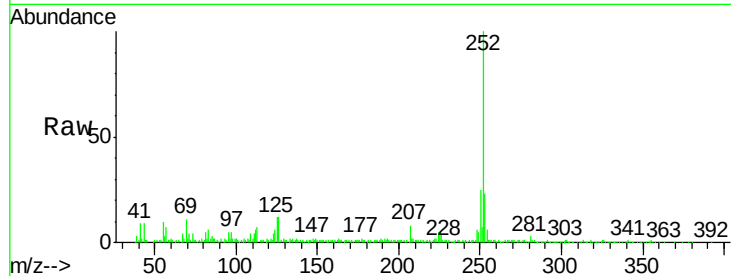




#88
Benzo(b)fluoranthene
Concen: 12.080 ng
RT: 15.03 min Scan# 2235
Delta R.T. -0.00 min
Lab File: BF120548.D
Acq: 4 Jun 2020 22:06

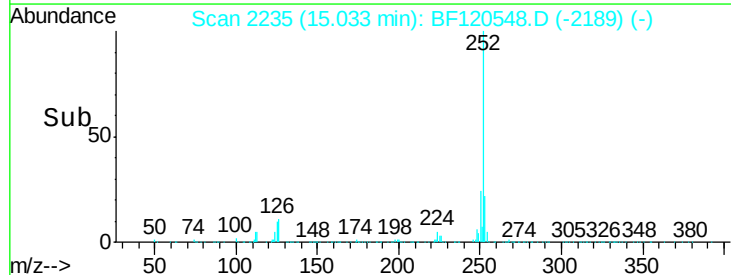
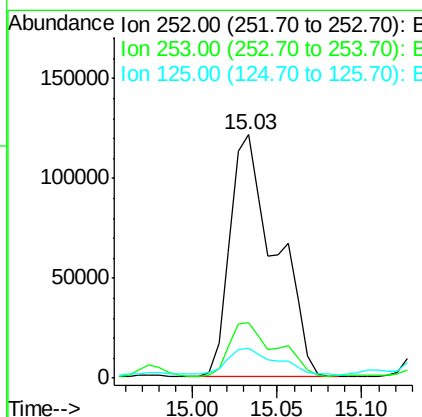
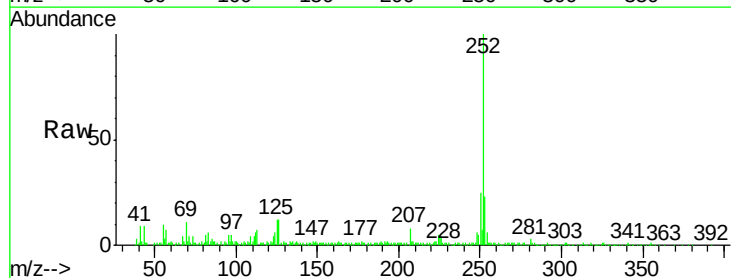
Instrument :
BNA_F
ClientSampleId :
NM112-COMP-2020-0-6RE

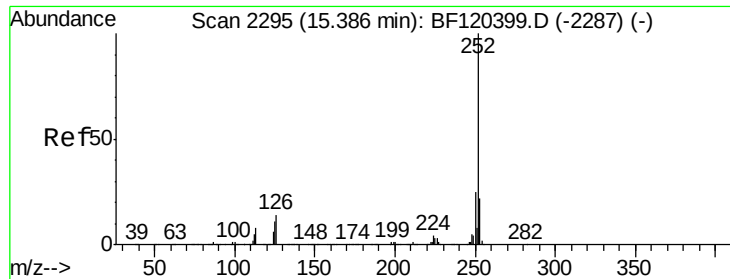
Tot Ion:252 Resp: 227508
Ion Ratio Lower Upper
252 100
253 22.8 18.0 27.0
125 12.1 8.3 12.5



#89
Benzo(k)fluoranthene
Concen: 12.940 ng
RT: 15.03 min Scan# 2235
Delta R.T. -0.03 min
Lab File: BF120548.D
Acq: 4 Jun 2020 22:06

Tgt Ion:252 Resp: 227508
Ion Ratio Lower Upper
252 100
253 22.8 18.4 27.6
125 12.1 8.6 13.0

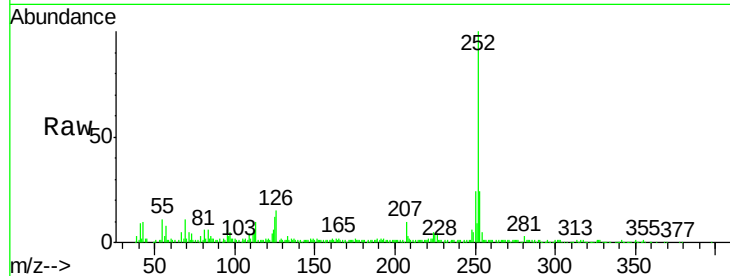




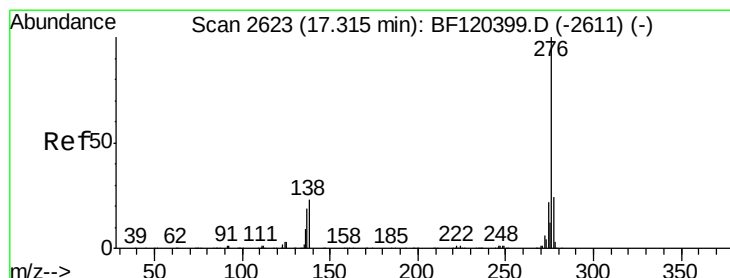
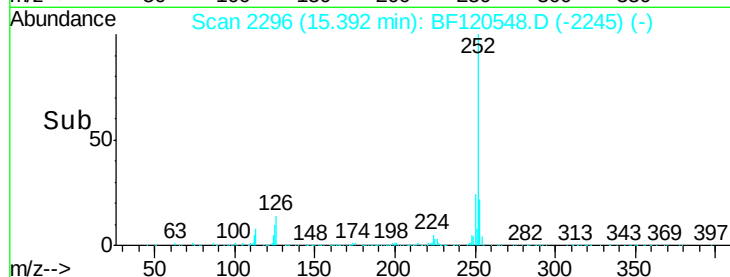
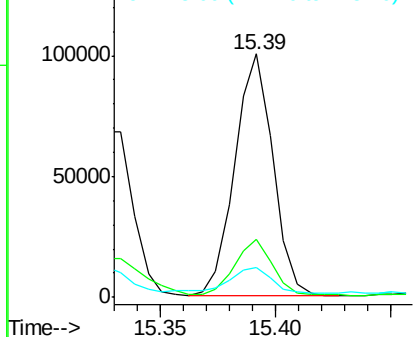
#90
Benzo(a)pyrene
Concen: 7.004 ng
RT: 15.39 min Scan# 2296
Delta R.T. -0.00 min
Lab File: BF120548.D
Acq: 4 Jun 2020 22:06

Instrument :
BNA_F
ClientSampleId :
NM112-COMP-2020-0-6RE

Tot Ion:	252	Resp:	115382
Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.2	27.2
125	12.1	9.6	14.4

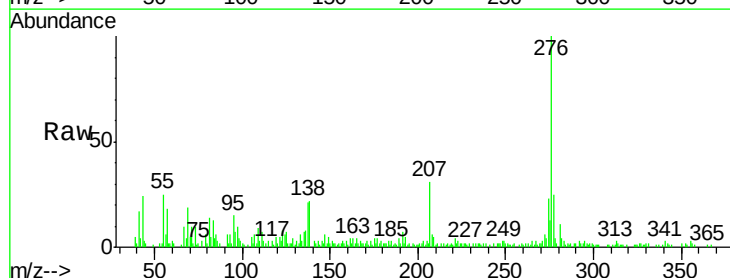


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 3.680 ng
RT: 17.34 min Scan# 2627
Delta R.T. -0.01 min
Lab File: BF120548.D
Acq: 4 Jun 2020 22:06

Tgt Ion:	276	Resp:	54877
Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.3	28.9
138	22.3	16.9	25.3



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

