

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
 Data File : BF120549.D
 Acq On : 4 Jun 2020 22:33
 Operator : JU/CG
 Sample : L2839-07RE 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM7-COMP-2020-0-6RE

Quant Time: Jun 05 00:31:13 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	210074	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	769315	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	275994	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	479193	20.00	ng	0.00
76) Chrysene-d12	14.00	240	440021	20.00	ng	0.00
86) Perylene-d12	15.46	264	310769	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	493522	44.77	ng	0.00
7) Phenol-d6	6.46	99	619200	45.57	ng	-0.01
23) Nitrobenzene-d5	7.39	82	426754	36.29	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	138866	54.30	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	643874	39.58	ng	0.00
79) Terphenyl-d14	12.94	244	751360	38.00	ng	0.00

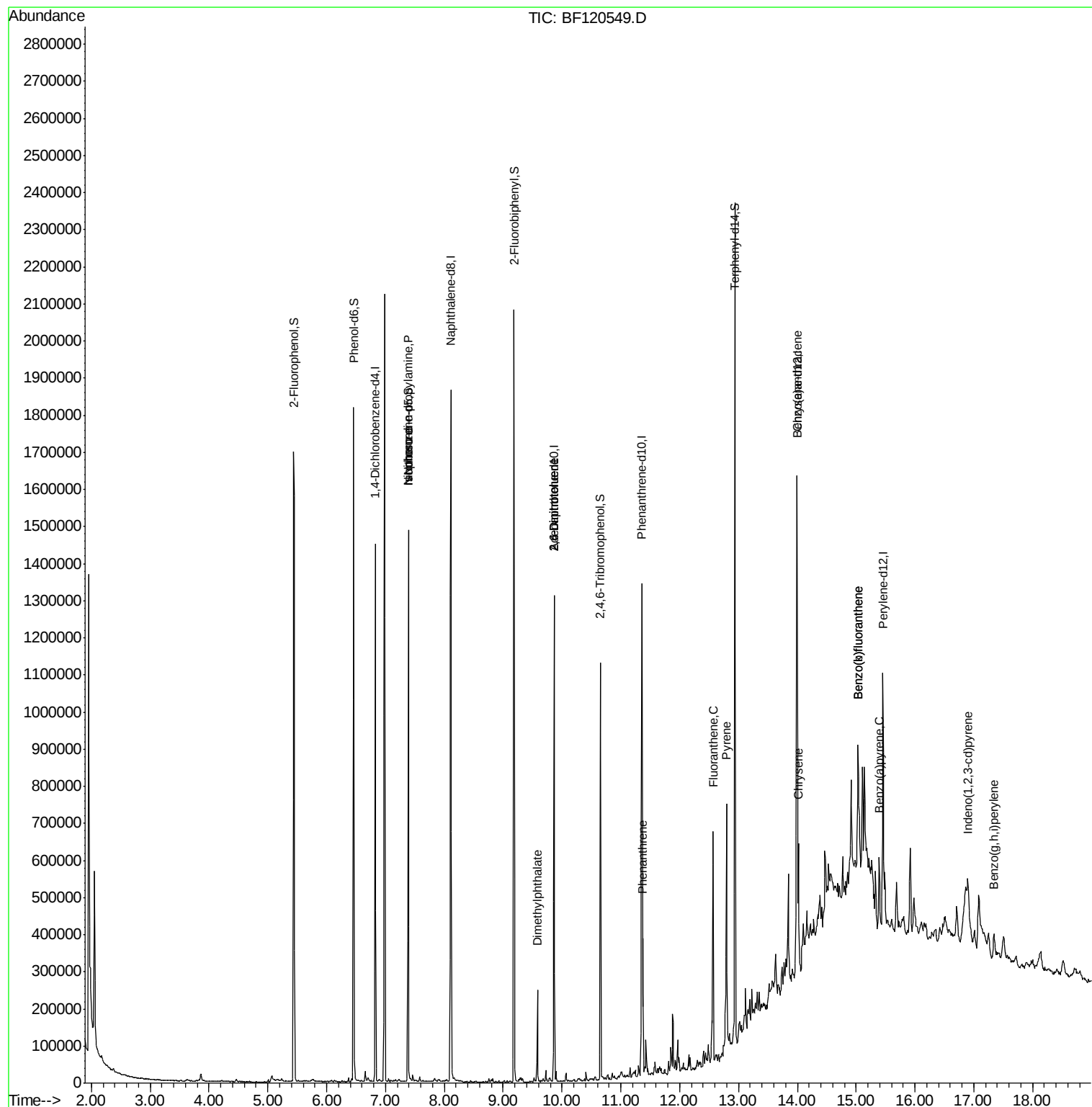
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	57169	6.619	ng	# 78
25) Isophorone	7.39	82	423822	17.930	ng	# 63
50) Dimethylphthalate	9.58	163	97981	5.679	ng	99
51) 2,6-Dinitrotoluene	9.86	165	35404	9.233	ng	# 29
57) 2,4-Dinitrotoluene	9.86	165	35404	7.214	ng	# 25
71) Phenanthrene	11.37	178	120387	5.702	ng	97
75) Fluoranthene	12.57	202	245404	10.801	ng	97
78) Pyrene	12.80	202	284562	9.299	ng	98
81) Benzo(a)anthracene	13.99	228	146298	6.204	ng	97
83) Chrysene	14.02	228	138729	5.611	ng	96
87) Indeno(1,2,3-cd)pyrene	16.90	276	56040	3.297	ng	97
88) Benzo(b)fluoranthene	15.03	252	240574	13.937	ng	97
89) Benzo(k)fluoranthene	15.03	252	240574	14.929	ng	98
90) Benzo(a)pyrene	15.39	252	90607	6.001	ng	100
92) Benzo(a,h,i)perylene	17.34	276	52861	3.868	ng	97

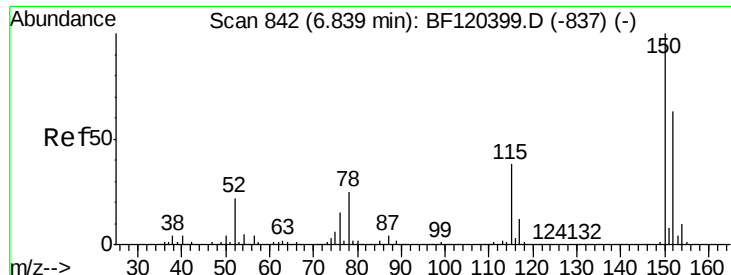
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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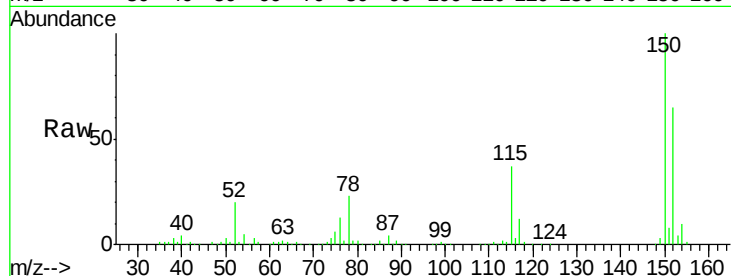


#1

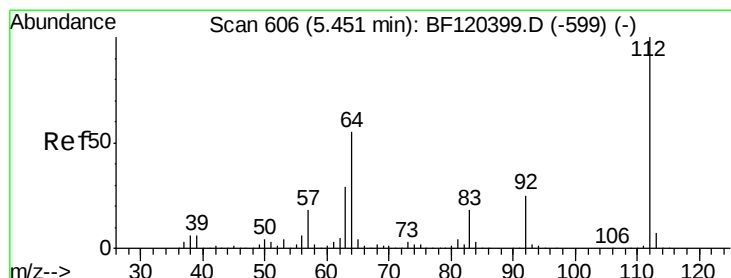
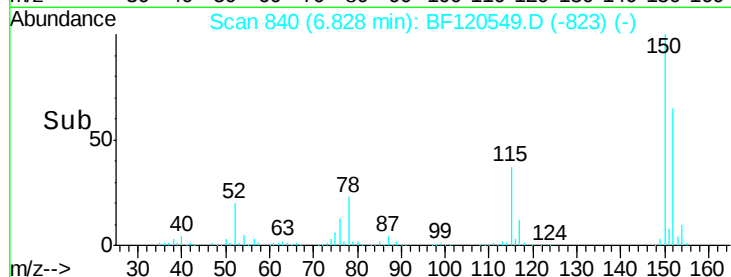
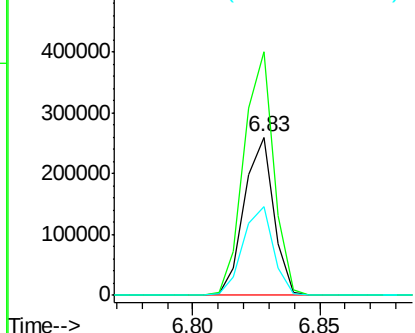
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 840
Delta R.T. 0.00 min
Lab File: BF120549.D
Acq: 4 Jun 2020 22:33

Instrument :
BNA_F
ClientSampleId :
NM7-COMP-2020-0-6RE

Tot Ion:152 Resp: 210074
Ion Ratio Lower Upper
152 100
150 154.1 126.3 189.5
115 56.6 48.1 72.1



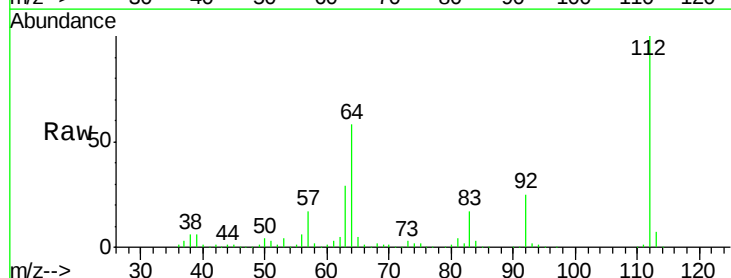
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



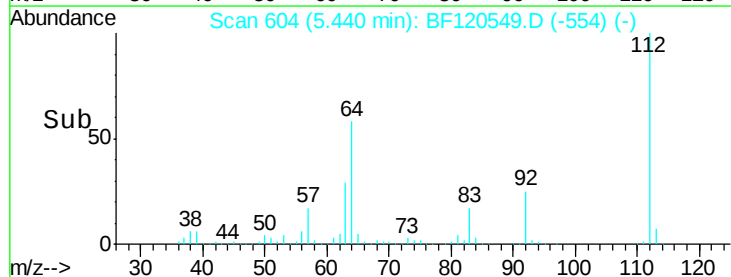
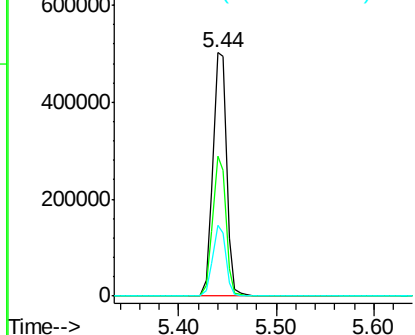
#5

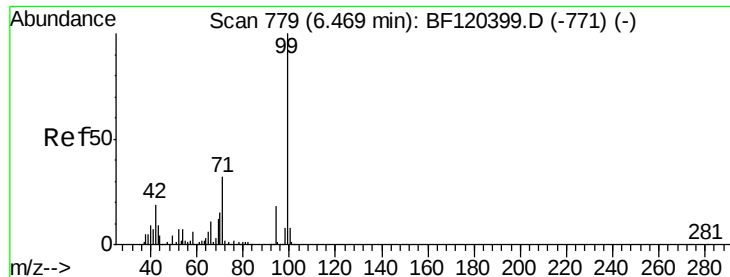
2-Fluorophenol
Concen: 44.771 ng
RT: 5.44 min Scan# 604
Delta R.T. -0.01 min
Lab File: BF120549.D
Acq: 4 Jun 2020 22:33

Tgt Ion:112 Resp: 493522
Ion Ratio Lower Upper
112 100
64 57.6 47.2 70.8
63 29.1 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: 45.573 ng

RT: 6.46 min Scan# 777

Delta R.T. -0.01 min

Lab File: BF120549.D

Acq: 4 Jun 2020 22:33

Instrument :

BNA_F

ClientSampleId :

NM7-COMP-2020-0-6RE

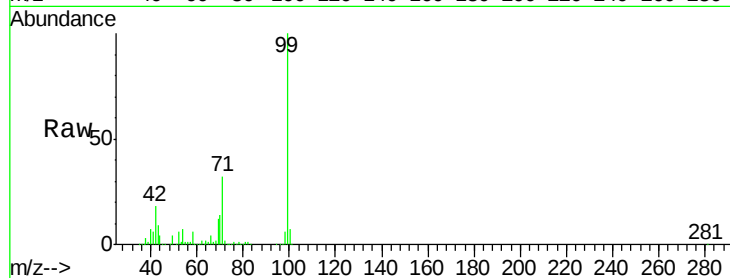
Tot Ion: 99 Resp: 619200

Ion Ratio Lower Upper

99 100

42 18.2 15.0 22.6

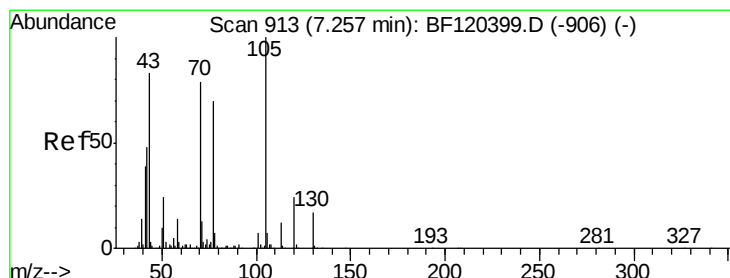
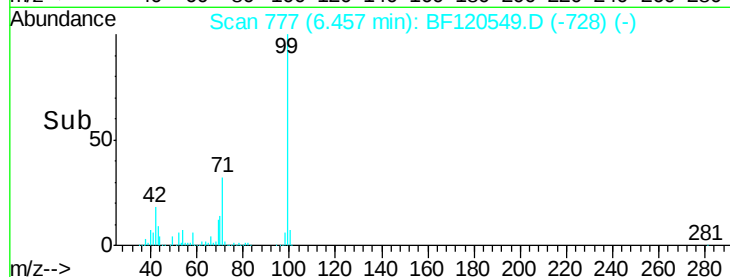
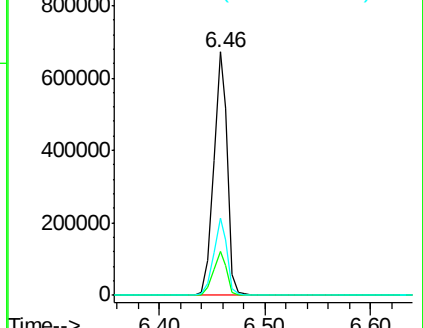
71 31.7 27.0 40.4



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: 6.619 ng

RT: 7.39 min Scan# 935

Delta R.T. 0.14 min

Lab File: BF120549.D

Acq: 4 Jun 2020 22:33

Tgt Ion: 70 Resp: 57169

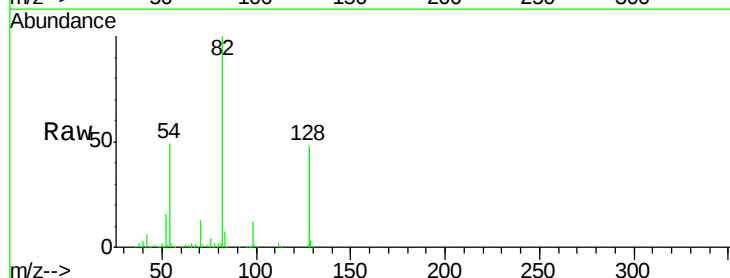
Ion Ratio Lower Upper

70 100

42 48.3 47.0 70.4

101 0.0 7.8 11.8#

130 2.5 17.9 26.9#

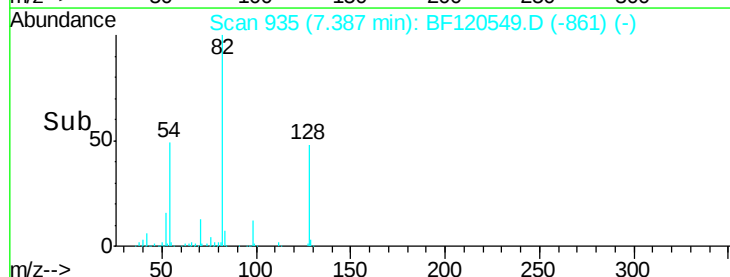
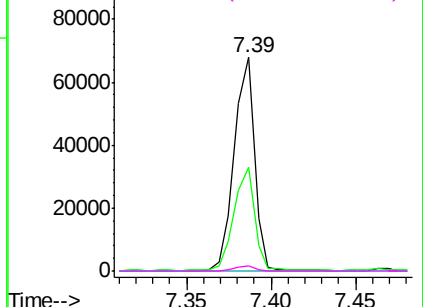


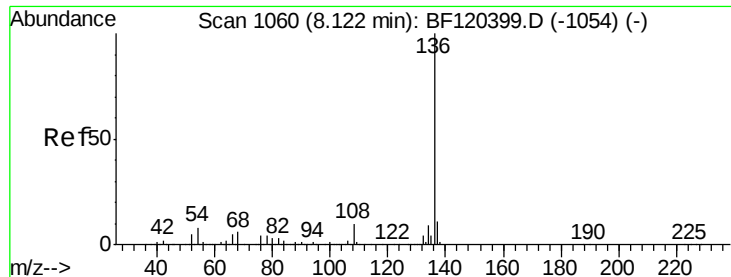
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF120549.D

Acq: 4 Jun 2020 22:33

Instrument :

BNA_F

ClientSampleId :

NM7-COMP-2020-0-6RE

Tot Ion:136 Resp: 769315

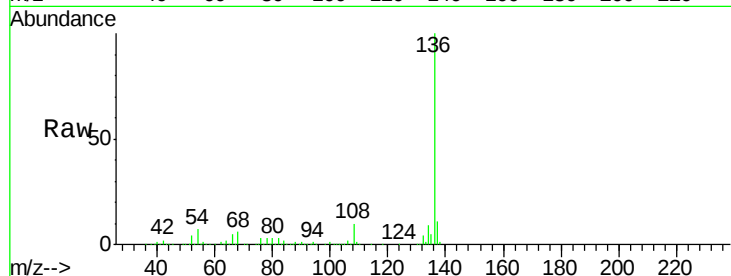
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 7.3 5.4 8.0

68 5.7 4.3 6.5

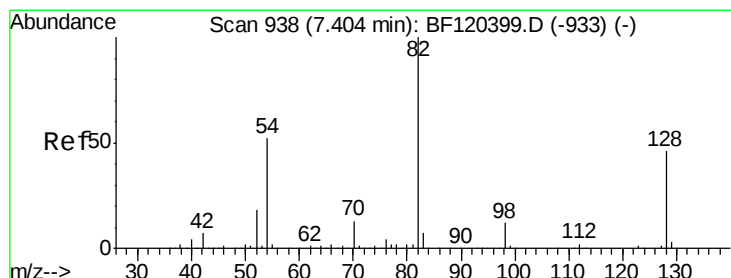
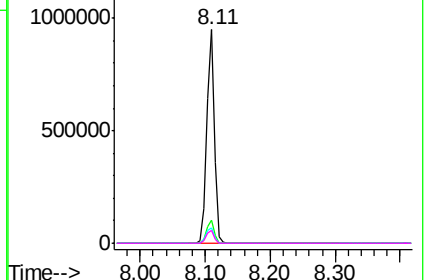
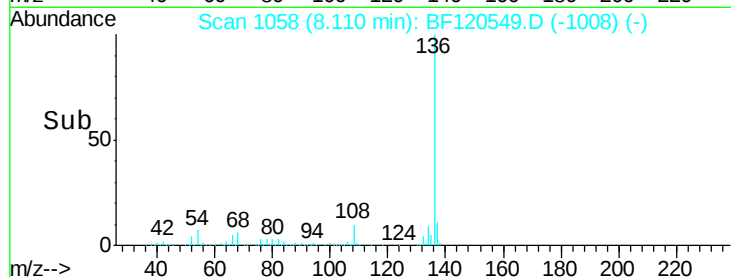


Abundance Ion 136.00 (135.70 to 136.70): E

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: 36.286 ng

RT: 7.39 min Scan# 935

Delta R.T. -0.01 min

Lab File: BF120549.D

Acq: 4 Jun 2020 22:33

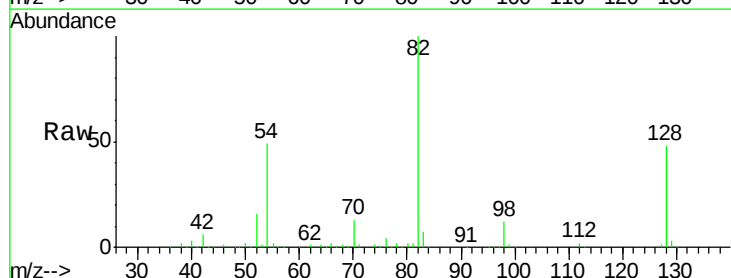
Tgt Ion: 82 Resp: 426754

Ion Ratio Lower Upper

82 100

128 47.8 36.7 55.1

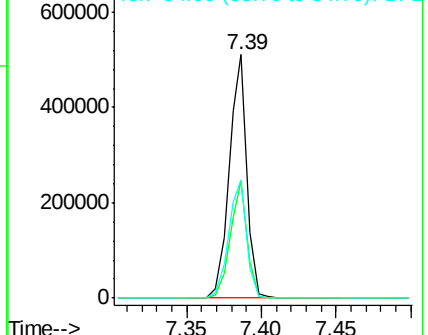
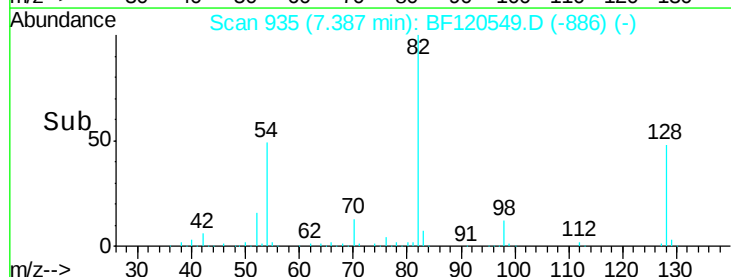
54 48.7 40.0 60.0

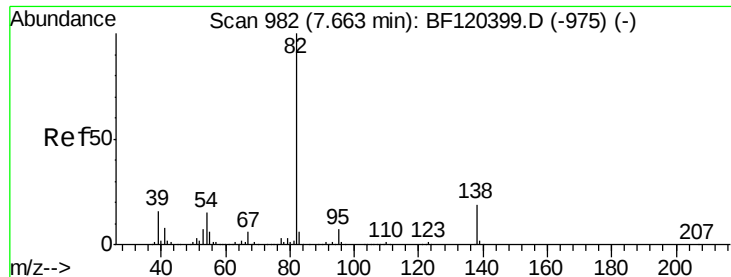


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 17.930 ng

RT: 7.39 min Scan# 935

Delta R.T. -0.27 min

Lab File: BF120549.D

Acq: 4 Jun 2020 22:33

Instrument :

BNA_F

ClientSampleId :

NM7-COMP-2020-0-6RE

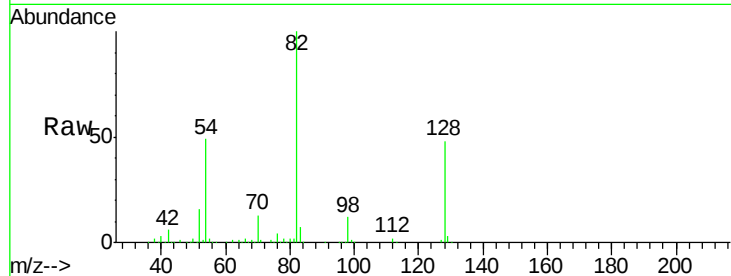
Tot Ion: 82 Resp: 423822

Ion Ratio Lower Upper

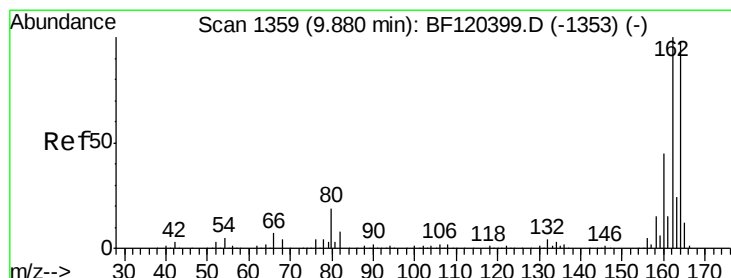
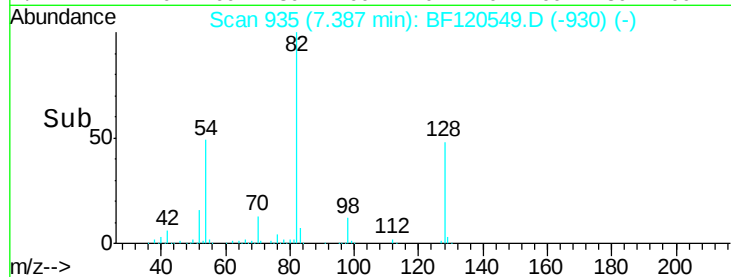
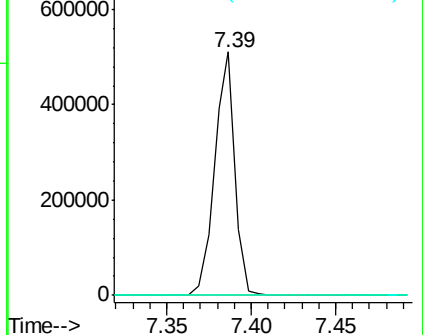
82 100

95 0.1 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: BF120549.D

Acq: 4 Jun 2020 22:33

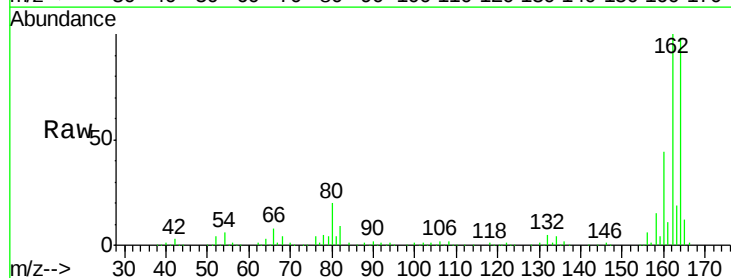
Tgt Ion:164 Resp: 275994

Ion Ratio Lower Upper

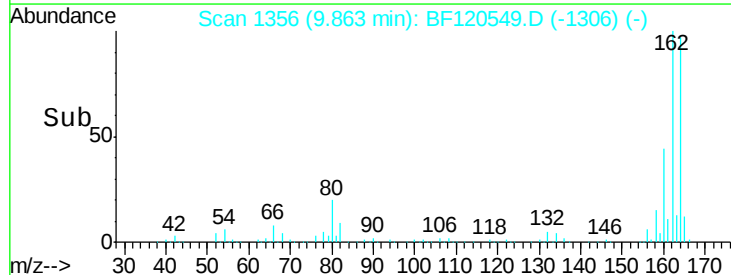
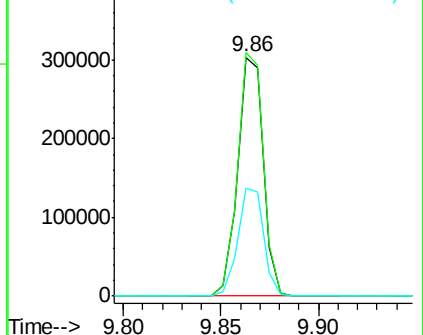
164 100

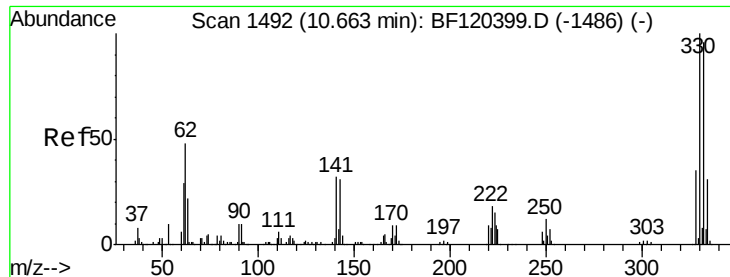
162 102.0 81.2 121.8

160 45.4 37.0 55.4



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1





#42

2,4,6-Tribromophenol

Concen: 54.304 ng

RT: 10.66 min Scan# 1491

Delta R.T. -0.01 min

Lab File: BF120549.D

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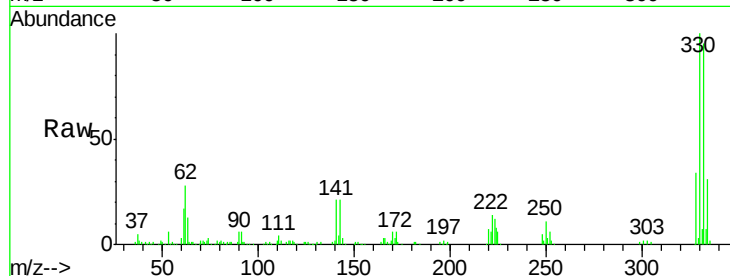
Tot Ion:330 Resp: 138866

Ion Ratio Lower Upper

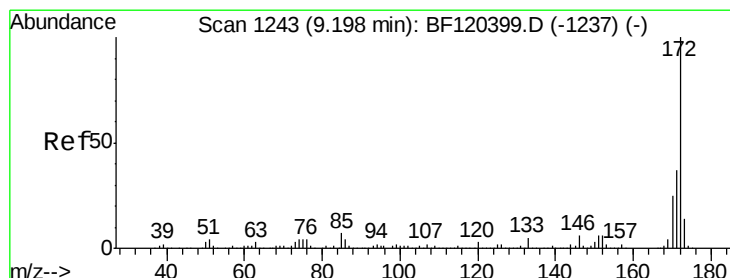
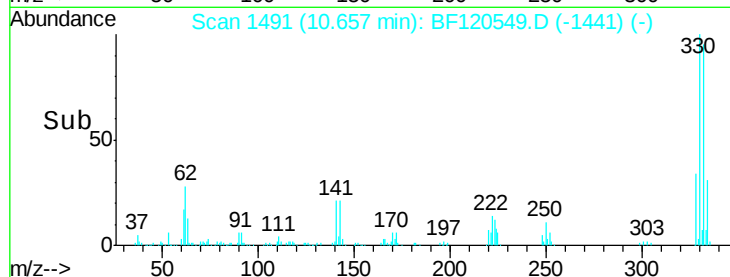
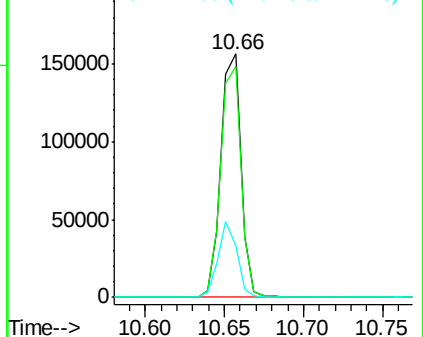
330 100

332 96.5 77.0 115.4

141 29.3 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: 39.583 ng

RT: 9.19 min Scan# 1241

Delta R.T. -0.01 min

Lab File: BF120549.D

Acq: 4 Jun 2020 22:33

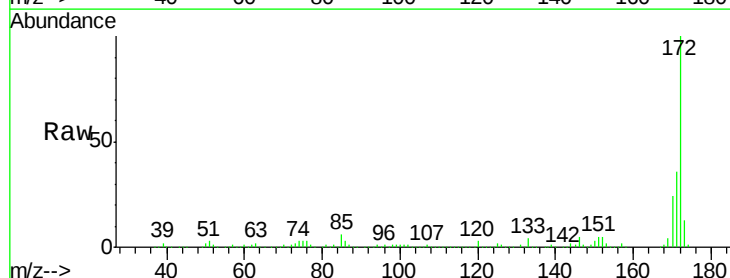
Tgt Ion:172 Resp: 643874

Ion Ratio Lower Upper

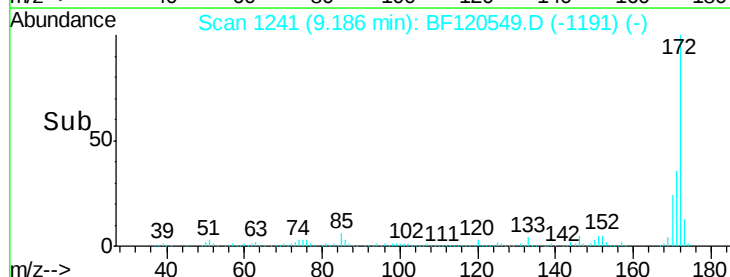
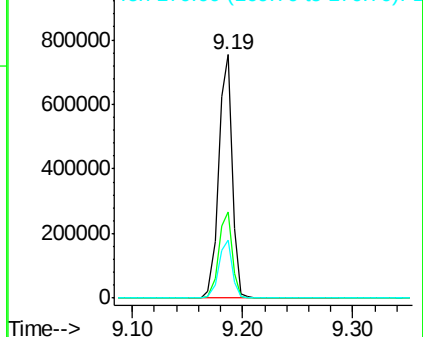
172 100

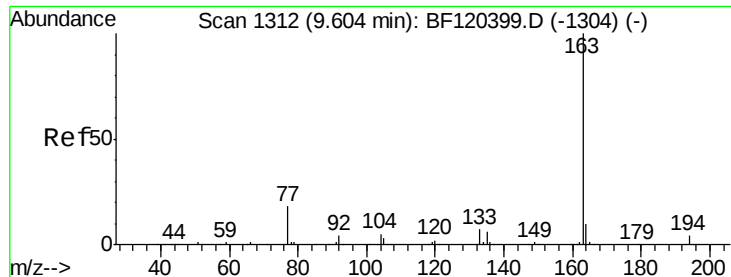
171 35.6 29.5 44.3

170 24.0 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

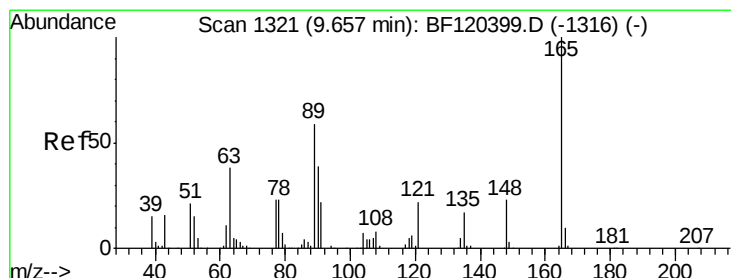
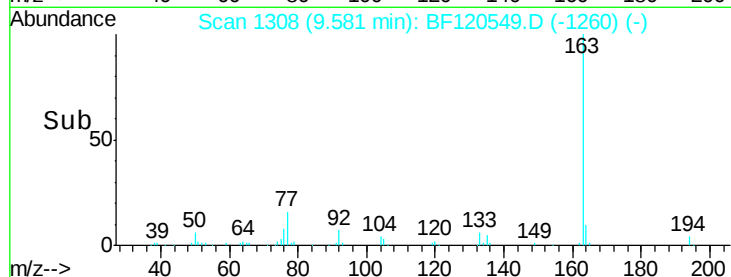
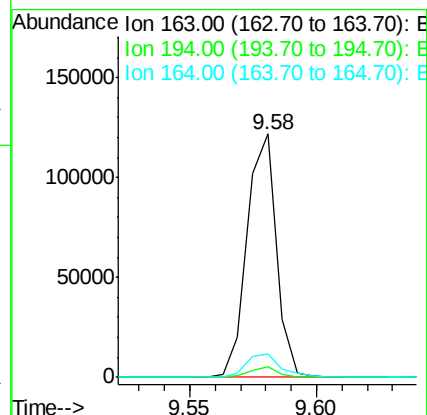
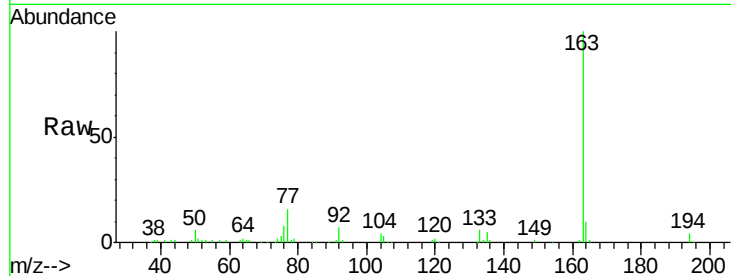




#50
Dimethylphthalate
Concen: 5.679 ng
RT: 9.58 min Scan# 1308
Delta R.T. -0.02 min
Lab File: BF120549.D
Acq: 4 Jun 2020 22:33

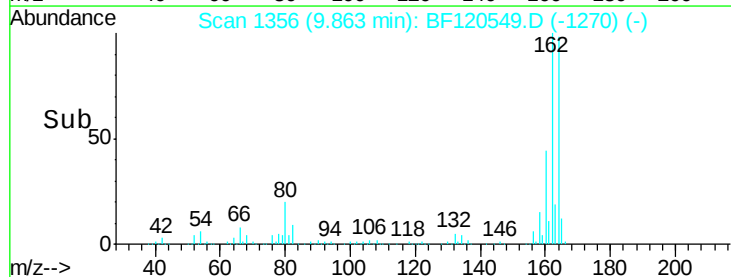
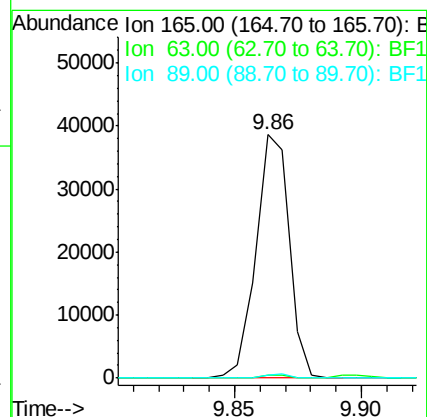
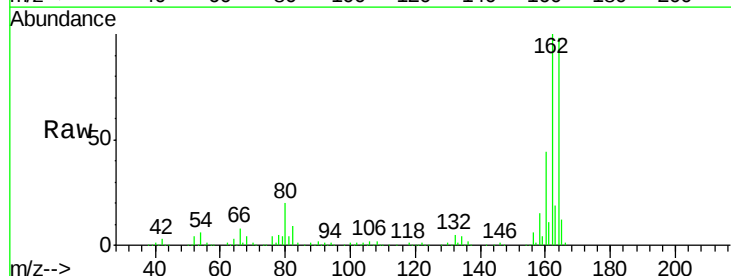
Instrument :
BNA_F
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NM7-COMP-2020-0-6RE

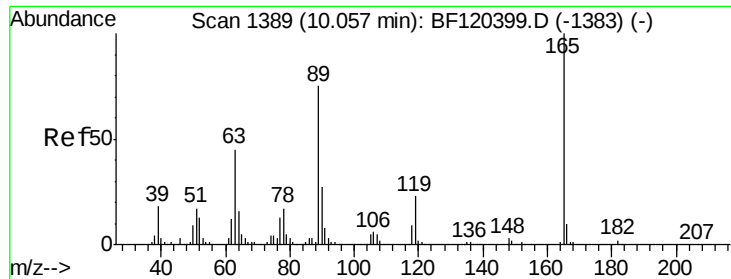
Tot Ion:163 Resp: 97981
Ion Ratio Lower Upper
163 100
194 4.2 3.1 4.7
164 9.7 8.0 12.0



#51
2,6-Dinitrotoluene
Concen: 9.233 ng
RT: 9.86 min Scan# 1356
Delta R.T. 0.21 min
Lab File: BF120549.D
Acq: 4 Jun 2020 22:33

Tgt Ion:165 Resp: 35404
Ion Ratio Lower Upper
165 100
63 1.1 39.8 59.8#
89 1.4 41.0 61.4#

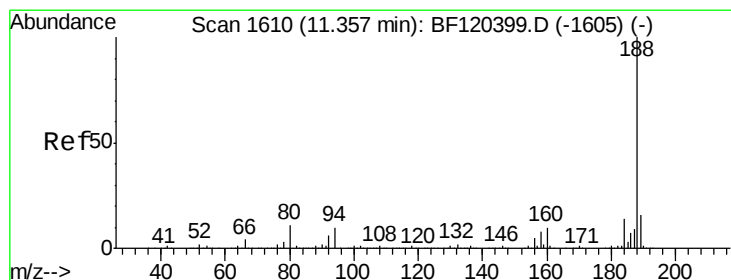
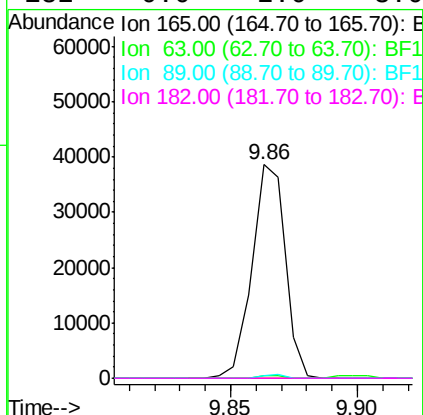
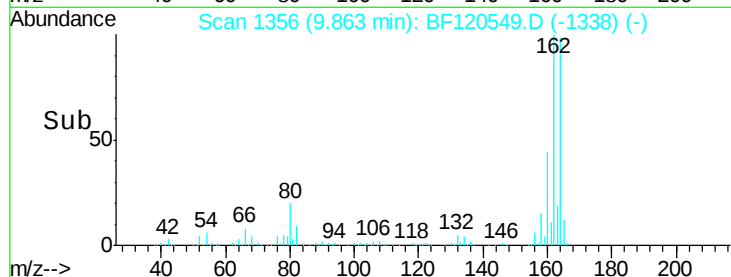
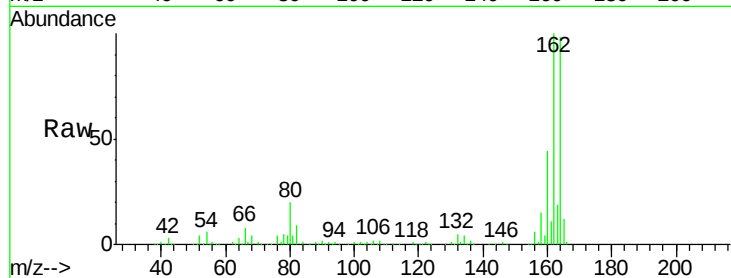




#57
 2,4-Dinitrotoluene
 Concen: 7.214 ng
 RT: 9.86 min Scan# 1356
 Delta R.T. -0.19 min
 Lab File: BF120549.D
 Acq: 4 Jun 2020 22:33

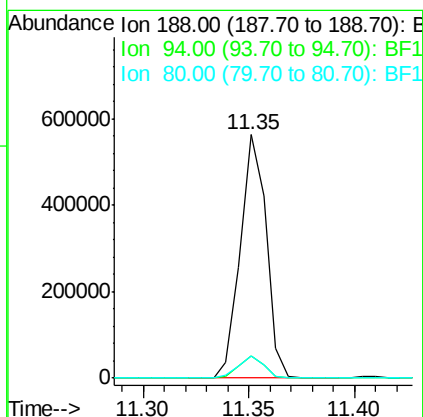
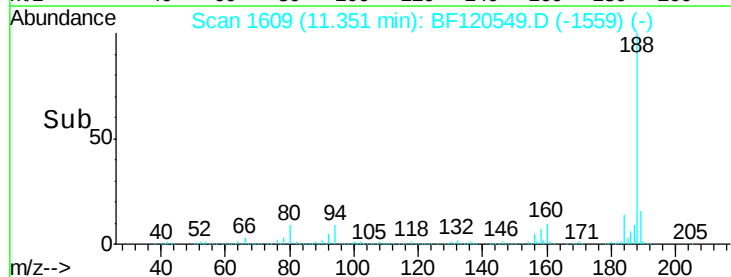
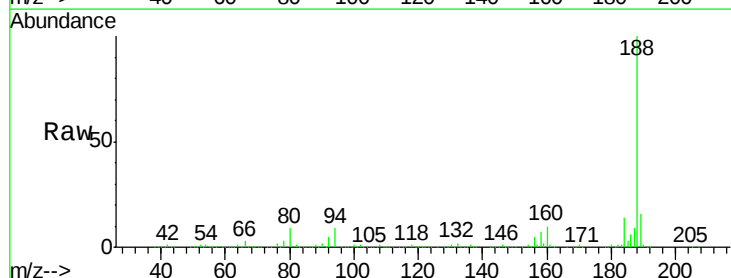
Instrument :
 BNA_F
 ClientSampleId :
 NM7-COMP-2020-0-6RE

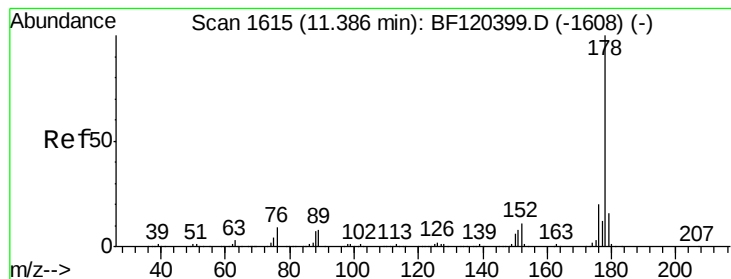
Tot Ion:165	Resp: 35404
Ion Ratio	Lower Upper
165 100	
63 1.1	34.1 51.1#
89 1.4	56.2 84.4#
182 0.0	2.0 3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1609
 Delta R.T. -0.01 min
 Lab File: BF120549.D
 Acq: 4 Jun 2020 22:33

Tgt Ion:188	Resp: 479193
Ion Ratio	Lower Upper
188 100	
94 9.1	7.4 11.2
80 9.3	7.6 11.4





#71

Phenanthrene

Concen: 5.702 ng

RT: 11.37 min Scan# 1613

Delta R.T. -0.01 min

Lab File: BF120549.D

Acq: 4 Jun 2020 22:33

Instrument :

BNA_F

ClientSampleId :

NM7-COMP-2020-0-6RE

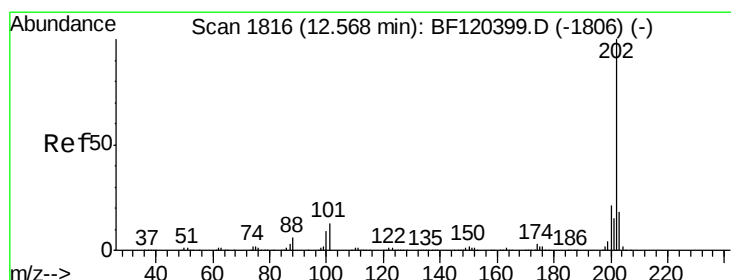
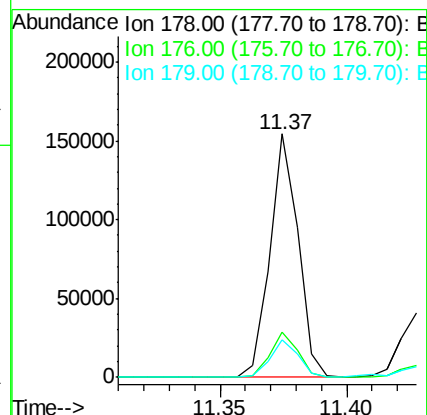
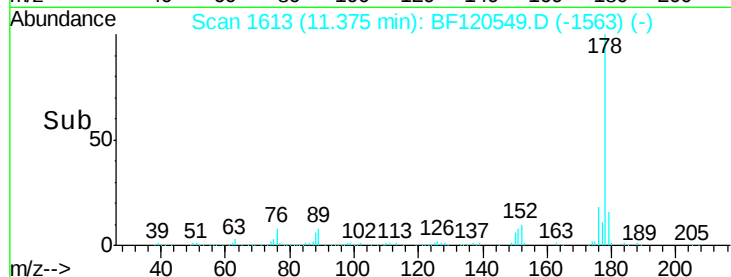
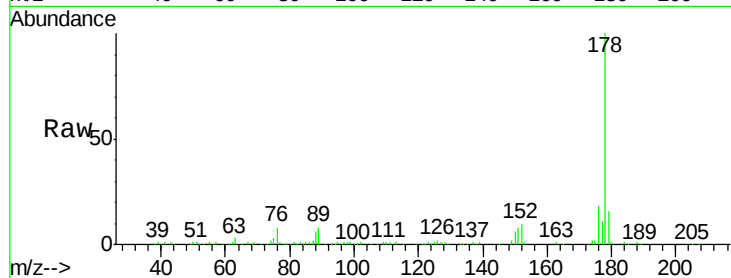
Tot Ion:178 Resp: 120387

Ion Ratio Lower Upper

178 100

176 18.4 16.2 24.2

179 15.6 12.8 19.2



#75

Fluoranthene

Concen: 10.801 ng

RT: 12.57 min Scan# 1816

Delta R.T. 0.00 min

Lab File: BF120549.D

Acq: 4 Jun 2020 22:33

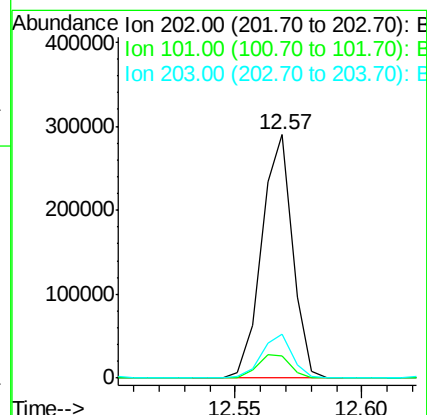
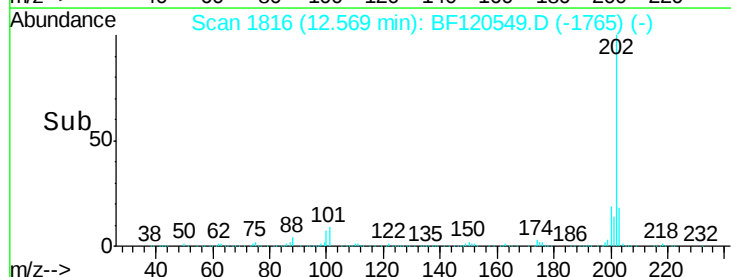
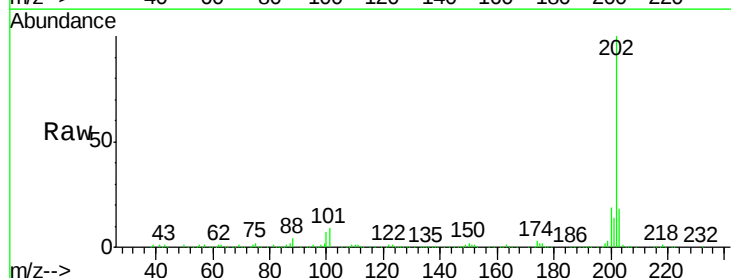
Tgt Ion:202 Resp: 245404

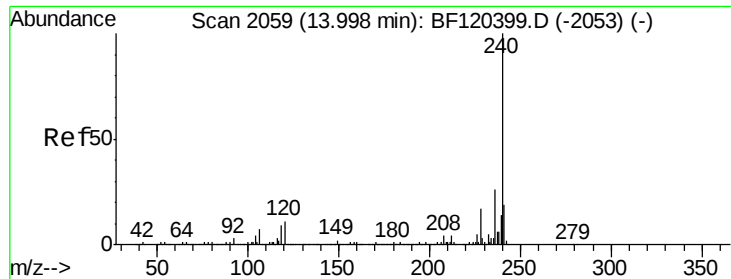
Ion Ratio Lower Upper

202 100

101 9.0 0.0 31.3

203 17.8 0.0 38.4

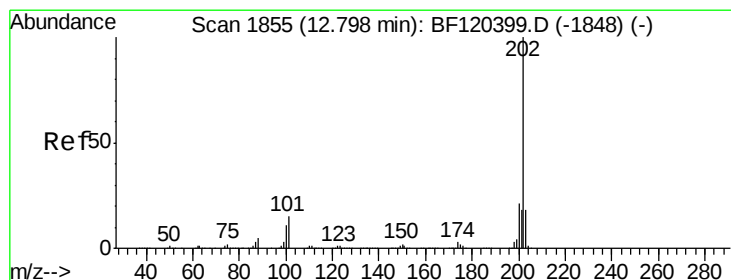
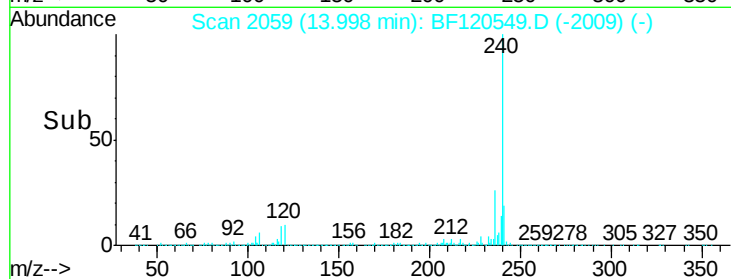
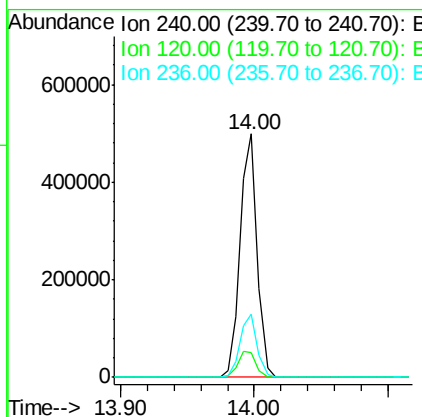
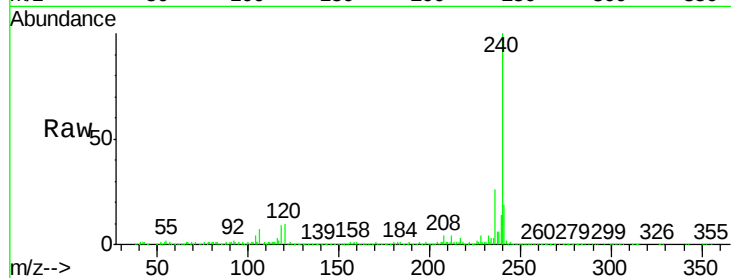




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2059
Delta R.T. -0.01 min
Lab File: BF120549.D
Acq: 4 Jun 2020 22:33

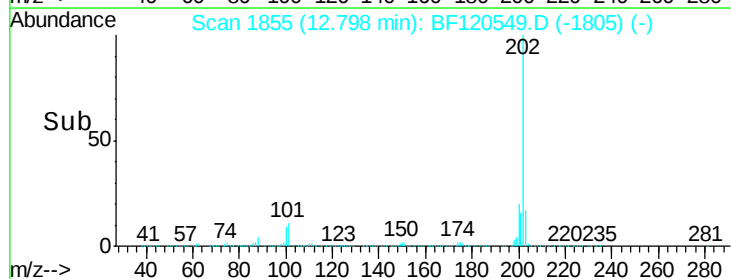
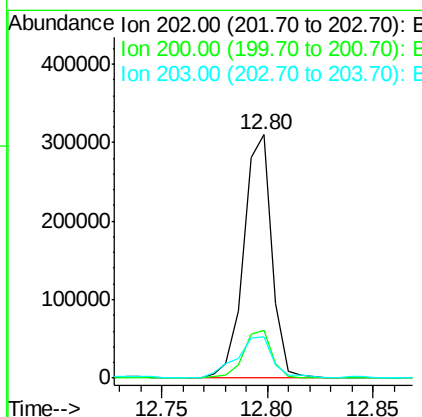
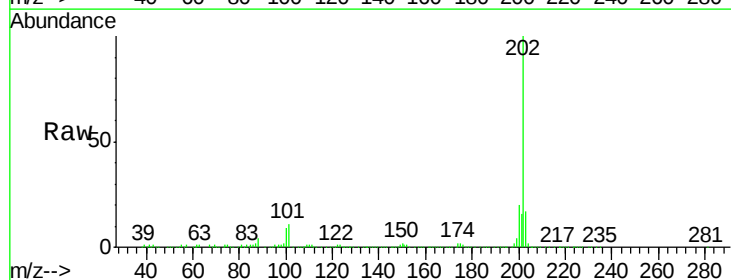
Instrument :
BNA_F
ClientSampleId :
NM7-COMP-2020-0-6RE

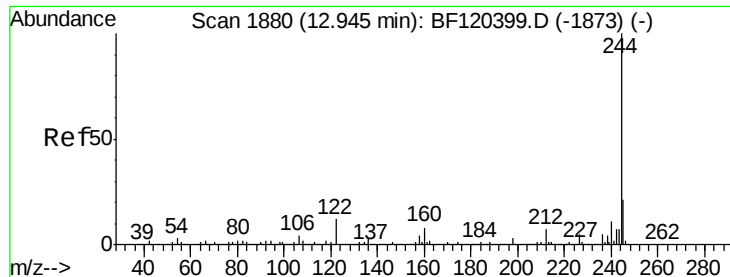
Tot Ion:240 Resp: 440021
Ion Ratio Lower Upper
240 100
120 10.2 7.7 11.5
236 25.7 20.8 31.2



#78
Pyrene
Concen: 9.299 ng
RT: 12.80 min Scan# 1855
Delta R.T. -0.01 min
Lab File: BF120549.D
Acq: 4 Jun 2020 22:33

Tgt Ion:202 Resp: 284562
Ion Ratio Lower Upper
202 100
200 19.8 17.0 25.6
203 17.1 14.2 21.2





#79

Terphenyl-d14

Concen: 37.997 ng

RT: 12.94 min Scan# 1879

Delta R.T. -0.01 min

Lab File: BF120549.D

Acq: 4 Jun 2020 22:33

Instrument :

BNA_F

ClientSampleId :

NM7-COMP-2020-0-6RE

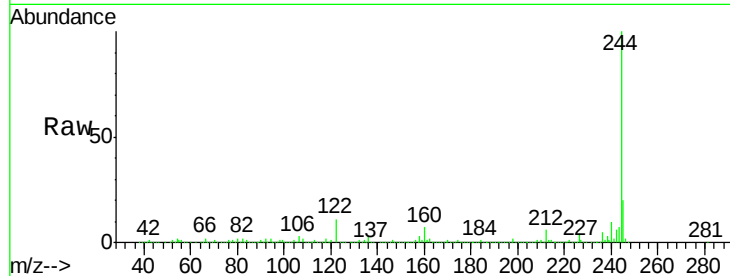
Tot Ion:244 Resp: 751360

Ion Ratio Lower Upper

244 100

212 6.5 5.7 8.5

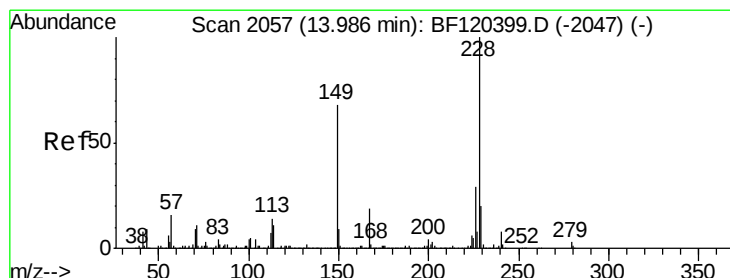
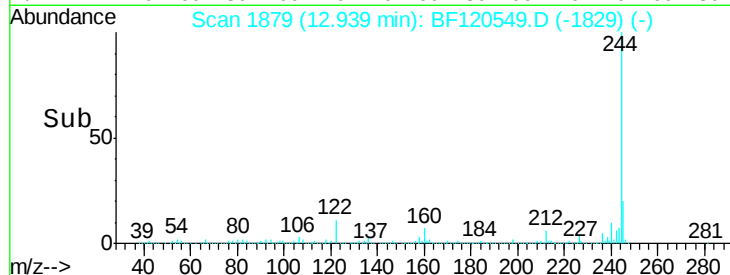
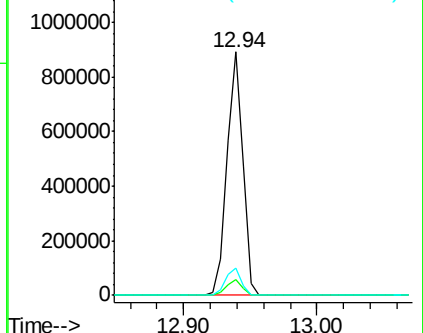
122 11.0 8.0 12.0



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: 6.204 ng

RT: 13.99 min Scan# 2057

Delta R.T. -0.01 min

Lab File: BF120549.D

Acq: 4 Jun 2020 22:33

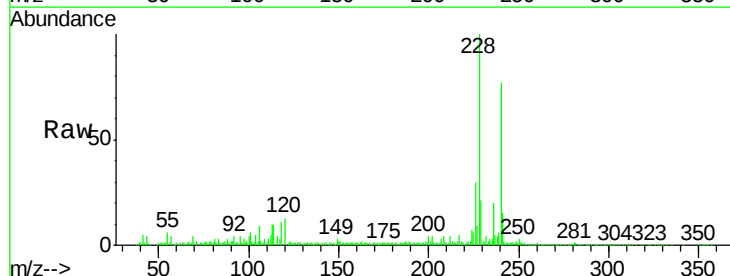
Tgt Ion:228 Resp: 146298

Ion Ratio Lower Upper

228 100

226 29.9 22.4 33.6

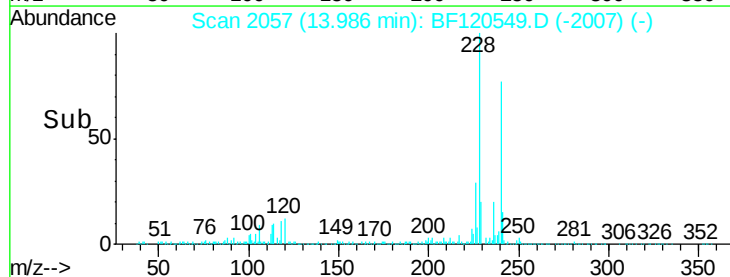
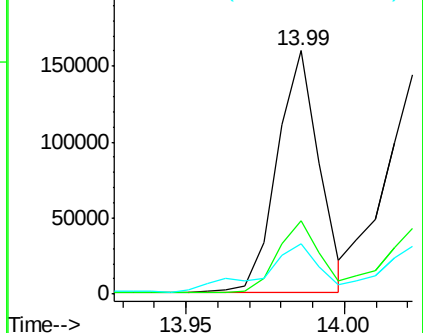
229 20.7 16.2 24.2

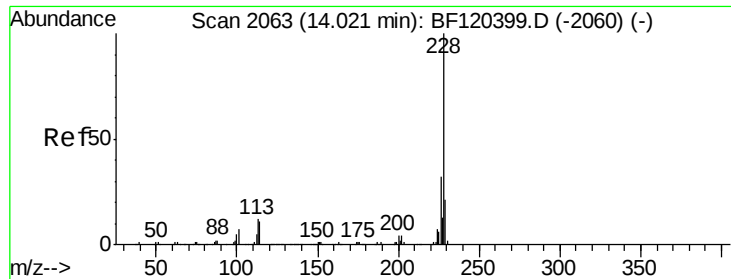


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

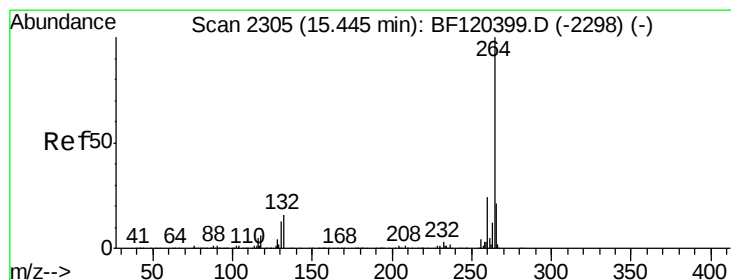
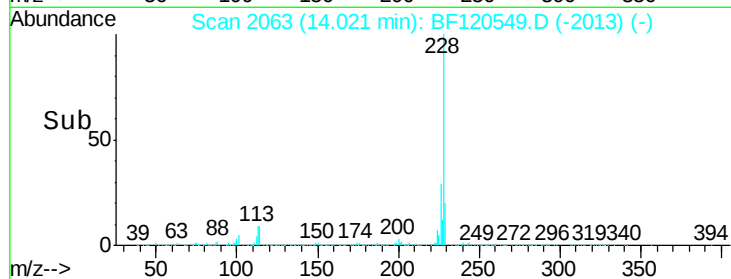
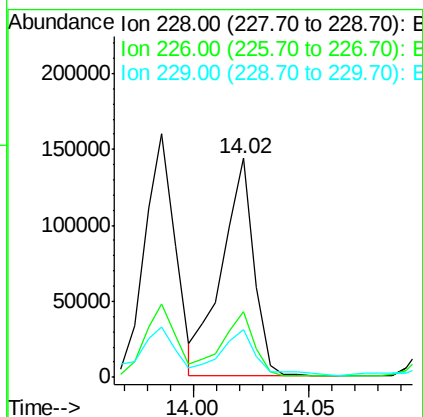
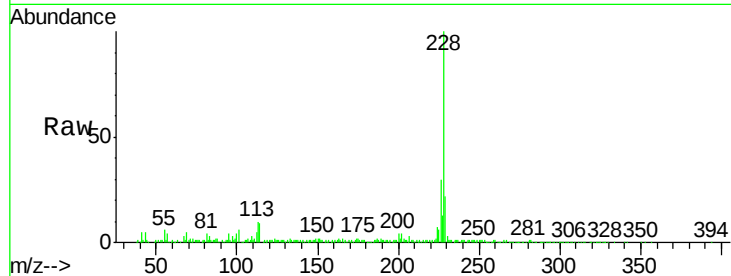




#83
Chrysene
Concen: 5.611 ng
RT: 14.02 min Scan# 2063
Delta R.T. -0.01 min
Lab File: BF120549.D
Acq: 4 Jun 2020 22:33

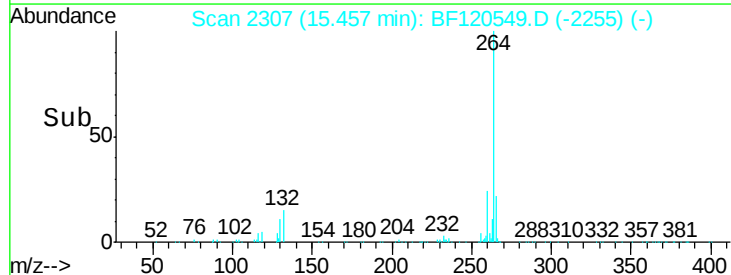
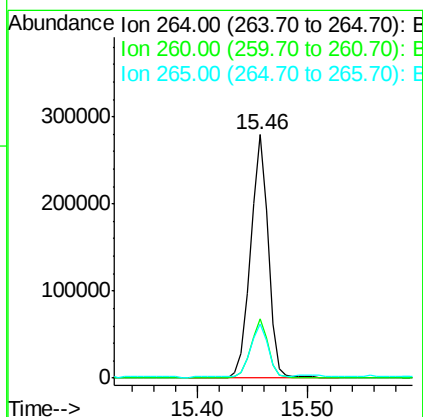
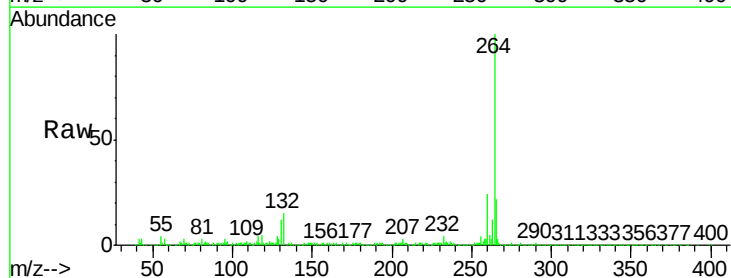
Instrument :
BNA_F
ClientSampleId :
NM7-COMP-2020-0-6RE

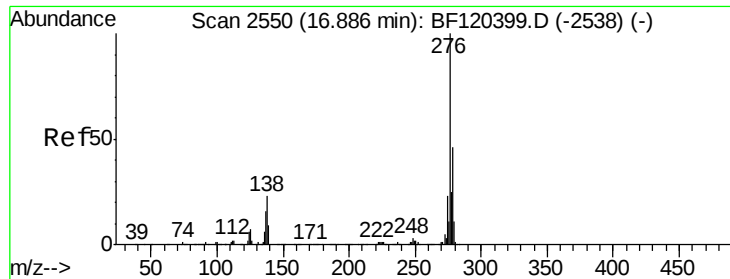
Tot Ion:228 Resp: 138729
Ion Ratio Lower Upper
228 100
226 29.9 25.6 38.4
229 21.7 16.2 24.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2307
Delta R.T. 0.01 min
Lab File: BF120549.D
Acq: 4 Jun 2020 22:33

Tgt Ion:264 Resp: 310769
Ion Ratio Lower Upper
264 100
260 24.1 19.5 29.3
265 22.0 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.297 ng

RT: 16.90 min Scan# 2553

Delta R.T. 0.00 min

Lab File: BF120549.D

Acq: 4 Jun 2020 22:33

Instrument :

BNA_F

ClientSampleId :

NM7-COMP-2020-0-6RE

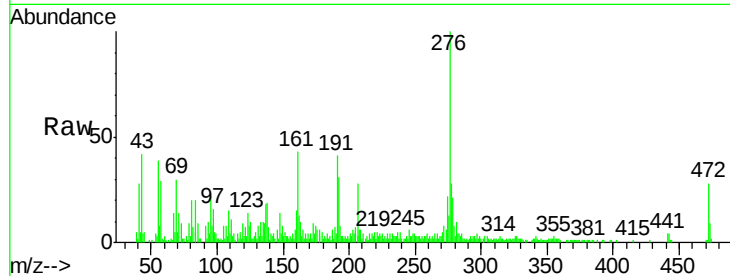
Tot Ion:276 Resp: 56040

Ion Ratio Lower Upper

276 100

138 21.2 19.2 28.8

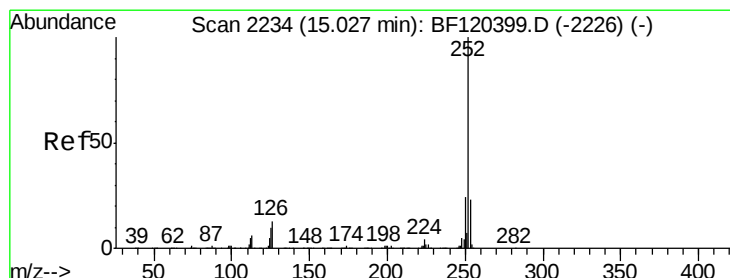
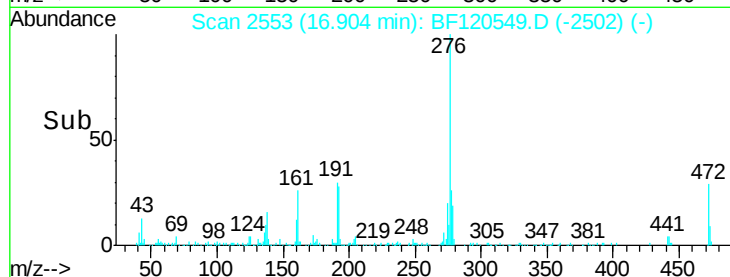
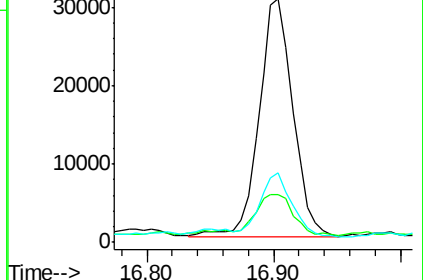
277 25.7 20.3 30.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#88

Benzo(b)fluoranthene

Concen: 13.937 ng

RT: 15.03 min Scan# 2235

Delta R.T. 0.00 min

Lab File: BF120549.D

Acq: 4 Jun 2020 22:33

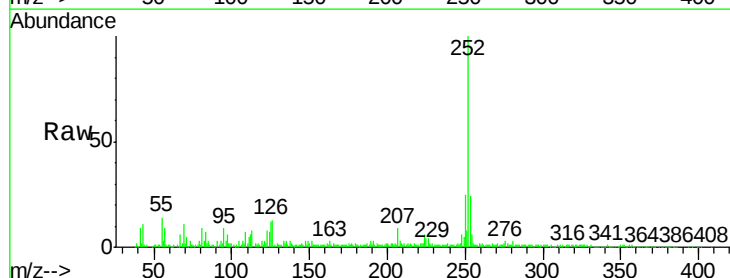
Tgt Ion:252 Resp: 240574

Ion Ratio Lower Upper

252 100

253 23.8 18.0 27.0

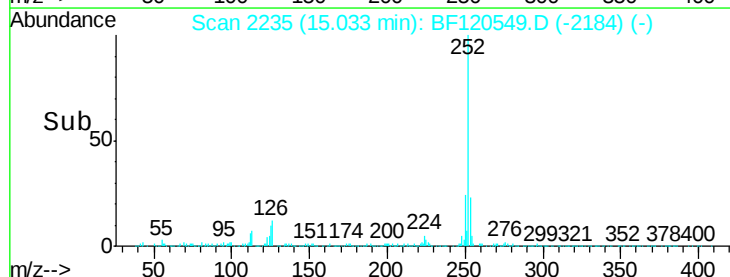
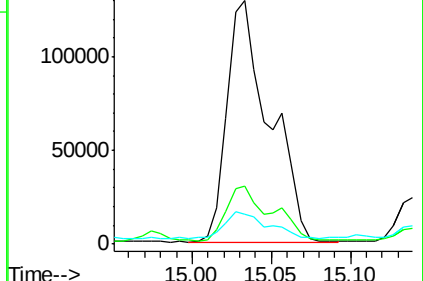
125 12.1 8.3 12.5

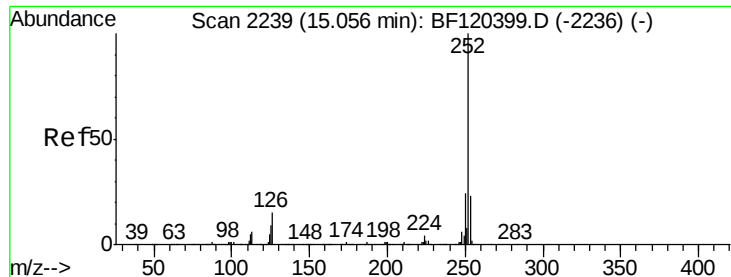


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

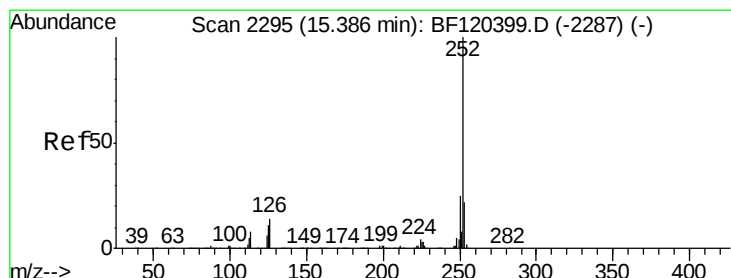
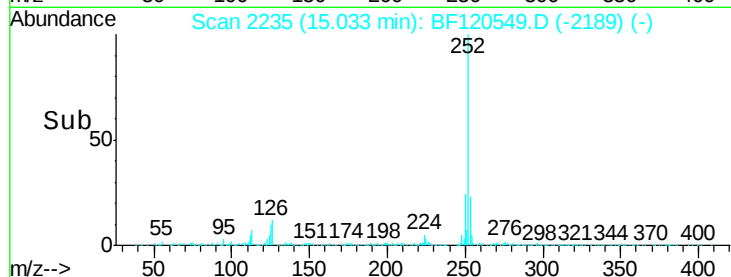
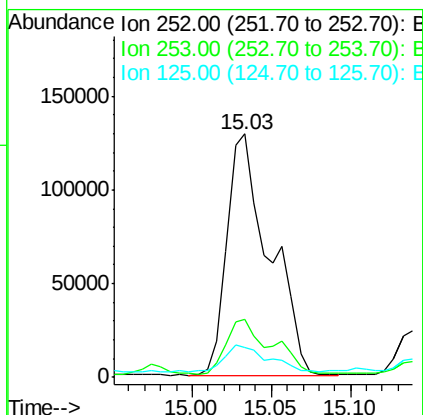
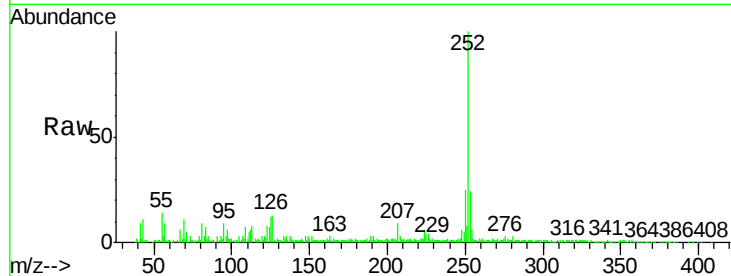




#89
Benzo(k)fluoranthene
Concen: 14.929 ng
RT: 15.03 min Scan# 2235
Delta R.T. -0.03 min
Lab File: BF120549.D
Acq: 4 Jun 2020 22:33

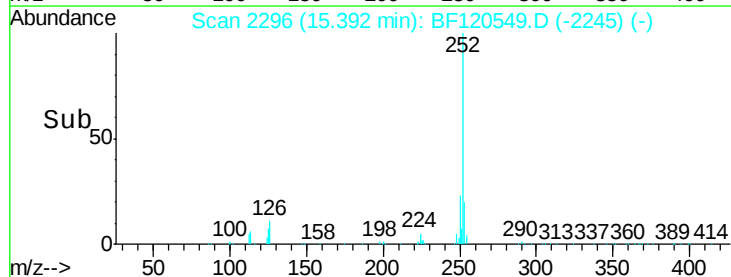
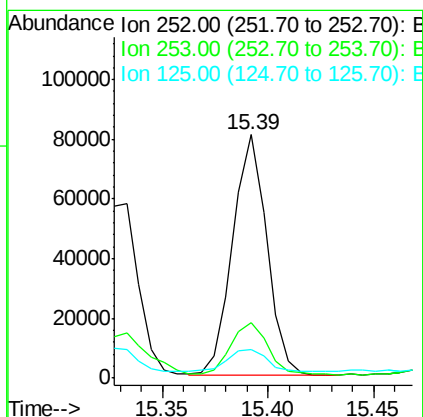
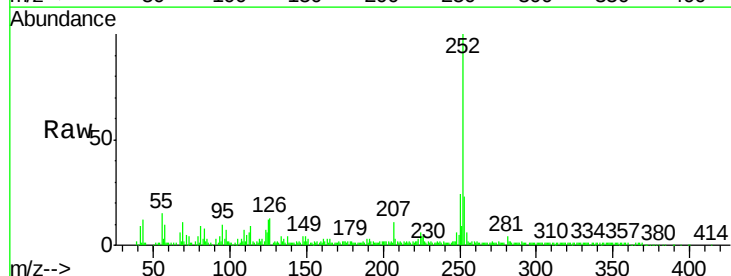
Instrument :
BNA_F
ClientSampleId :
NM7-COMP-2020-0-6RE

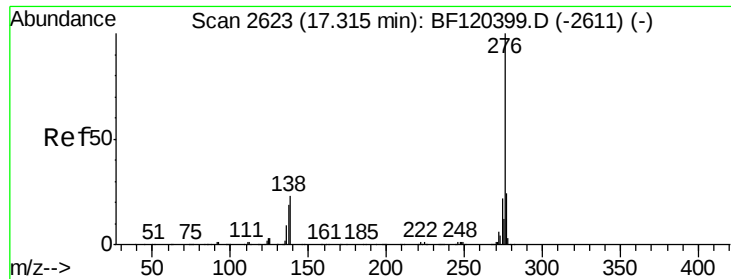
Tot Ion:252 Resp: 240574
Ion Ratio Lower Upper
252 100
253 23.8 18.4 27.6
125 12.1 8.6 13.0



#90
Benzo(a)pyrene
Concen: 6.001 ng
RT: 15.39 min Scan# 2296
Delta R.T. 0.00 min
Lab File: BF120549.D
Acq: 4 Jun 2020 22:33

Tgt Ion:252 Resp: 90607
Ion Ratio Lower Upper
252 100
253 22.8 18.2 27.2
125 11.7 9.6 14.4





#92
 Benzo(a,h,i)perylene
 Concen: 3.868 ng
 RT: 17.34 min Scan# 2627
 Delta R.T. -0.01 min
 Lab File: BF120549.D
 Acq: 4 Jun 2020 22:33

Instrument :
 BNA_F
 ClientSampleId :
 NM7-COMP-2020-0-6RE

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.2	19.3	28.9
138	20.6	16.9	25.3

