

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
 Data File : BF120547.D
 Acq On : 4 Jun 2020 21:37
 Operator : JU/CG
 Sample : L2839-03RE
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM5-COMP-2020-0-6RE

Quant Time: Jun 05 00:30:19 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	185310	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	693375	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	298459	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	385519	20.00	ng	0.00
76) Chrysene-d12	13.99	240	293422	20.00	ng	-0.01
86) Perylene-d12	15.45	264	237852	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	977234	100.50	ng	0.00
7) Phenol-d6	6.46	99	1162836	97.02	ng	0.00
23) Nitrobenzene-d5	7.39	82	762481	71.93	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	304416	110.08	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1381958	78.56	ng	0.00
79) Terphenyl-d14	12.94	244	1034677	78.47	ng	0.00

Target Compounds

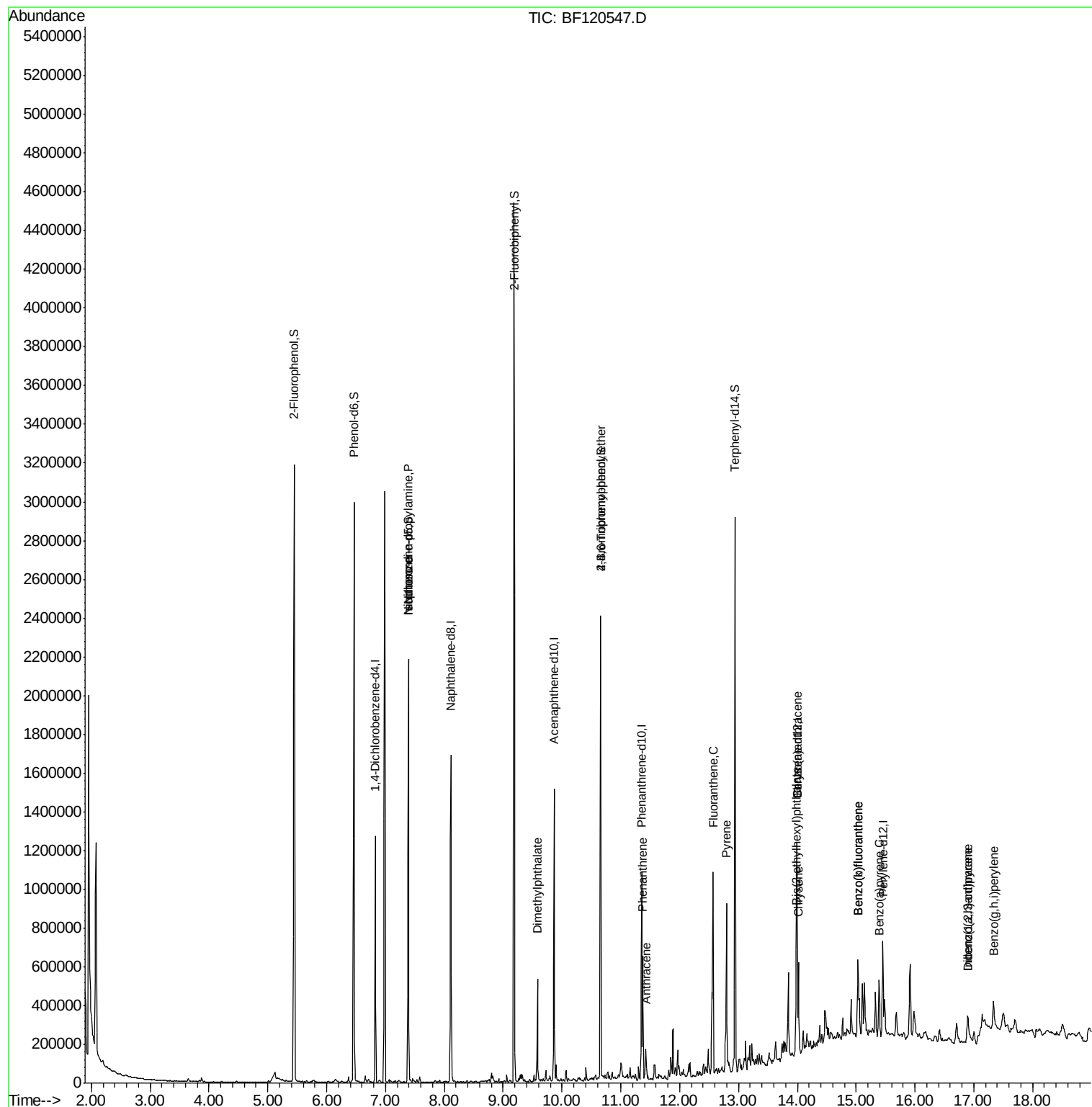
						Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	101876	13.372	ng	# 76
25) Isophorone	7.39	82	758460	35.601	ng	# 63
50) Dimethylphthalate	9.58	163	205030	10.988	ng	100
67) 4-Bromophenyl-phenylether	10.66	248	17818	4.579	ng	# 1
71) Phenanthrene	11.37	178	206002	12.127	ng	98
72) Anthracene	11.43	178	56937	3.341	ng	97
75) Fluoranthene	12.57	202	418274	22.884	ng	97
78) Pyrene	12.80	202	378789	18.563	ng	98
81) Benzo(a)anthracene	13.99	228	212547	13.516	ng	98
83) Chrysene	14.02	228	194657	11.807	ng	95
84) Bis(2-ethylhexyl)phthalate	13.97	149	21018	2.102	ng	100
87) Indeno(1,2,3-cd)pyrene	16.90	276	92925	7.143	ng	95
88) Benzo(b)fluoranthene	15.03	252	297169	22.494	ng	100
89) Benzo(k)fluoranthene	15.03	252	297169	24.095	ng	99
90) Benzo(a)pyrene	15.39	252	148487	12.850	ng	98
91) Dibenzo(a,h)anthracene	16.90	278	23931	2.256	ng	# 88
92) Benzo(a,h,i)perylene	17.33	276	118768	11.354	ng	98

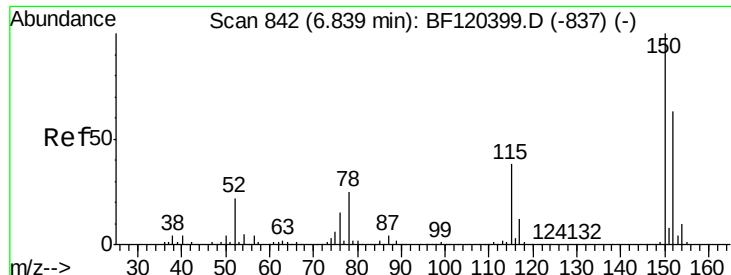
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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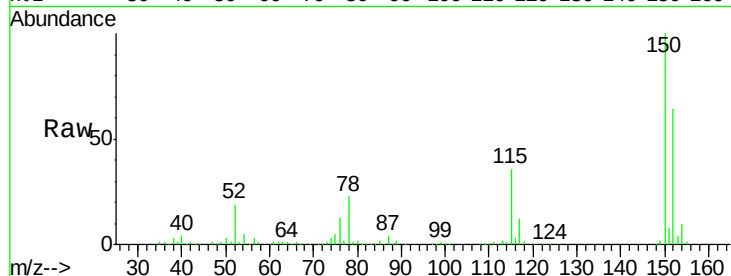




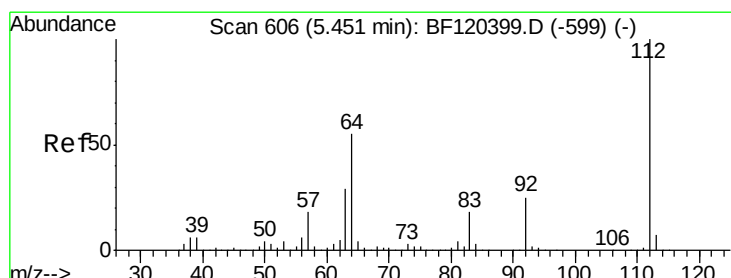
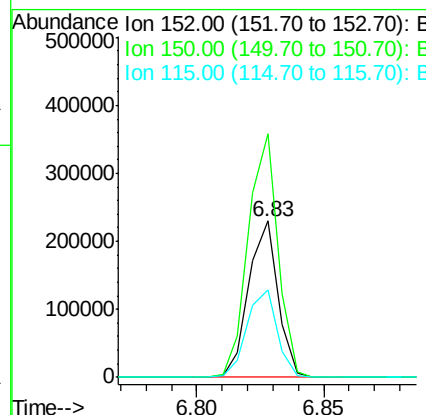
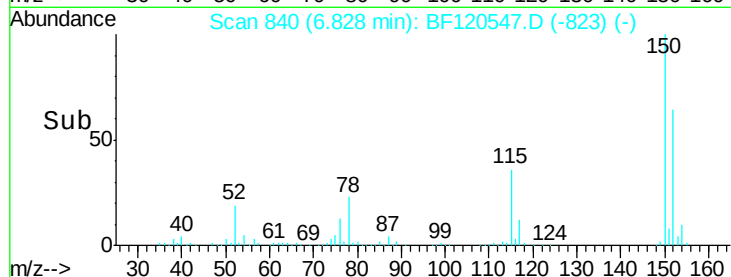
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 840
 Delta R.T. 0.00 min
 Lab File: BF120547.D
 Acq: 4 Jun 2020 21:37

Instrument :
 BNA_F
 ClientSampleId :
 NM5-COMP-2020-0-6RE

Tot Ion:152 Resp: 185310
 Ion Ratio Lower Upper
 152 100
 150 155.8 126.3 189.5
 115 55.8 48.1 72.1

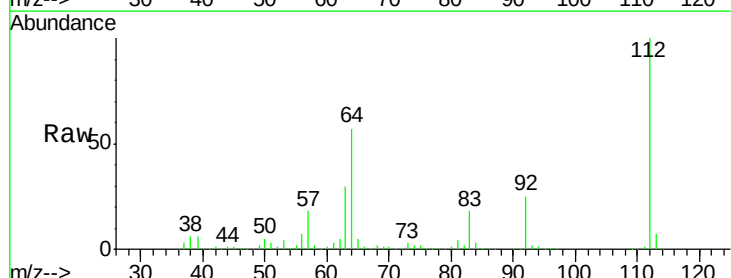


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

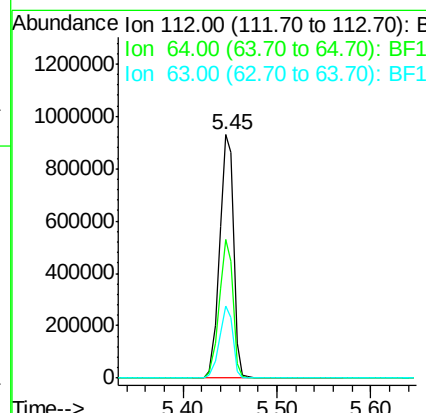
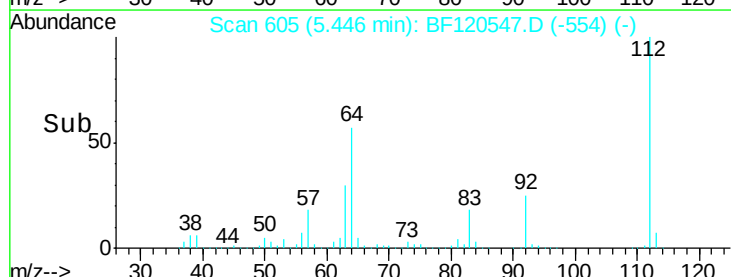


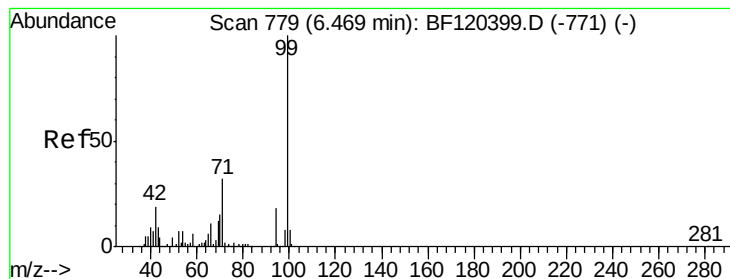
#5
 2-Fluorophenol
 Concen: 100.500 ng
 RT: 5.45 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: BF120547.D
 Acq: 4 Jun 2020 21:37

Tgt Ion:112 Resp: 977234
 Ion Ratio Lower Upper
 112 100
 64 57.2 47.2 70.8
 63 29.6 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: 97.023 ng

RT: 6.46 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF120547.D

Acq: 4 Jun 2020 21:37

Instrument :

BNA_F

ClientSampleId :

NM5-COMP-2020-0-6RE

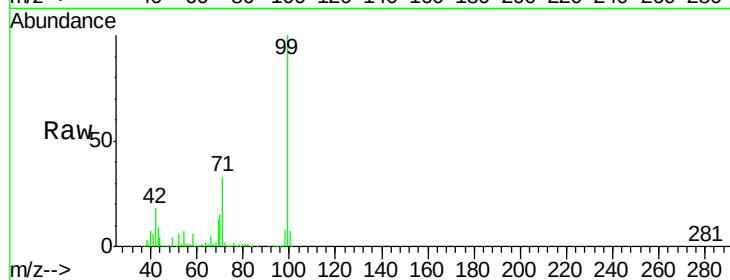
Tot Ion: 99 Resp: 1162836

Ion Ratio Lower Upper

99 100

42 18.3 15.0 22.6

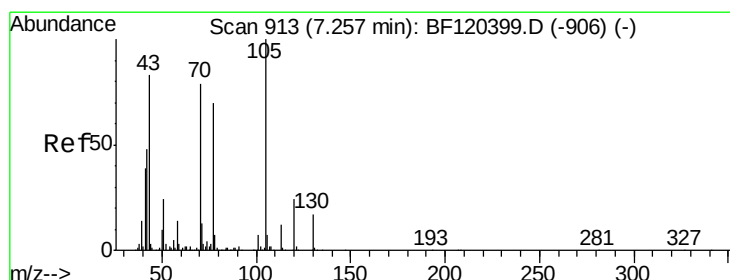
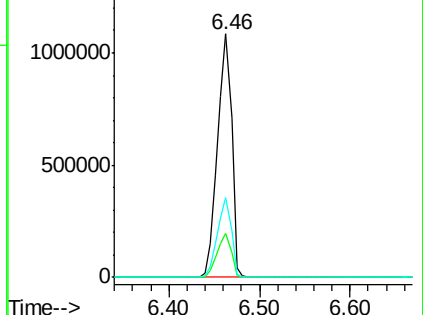
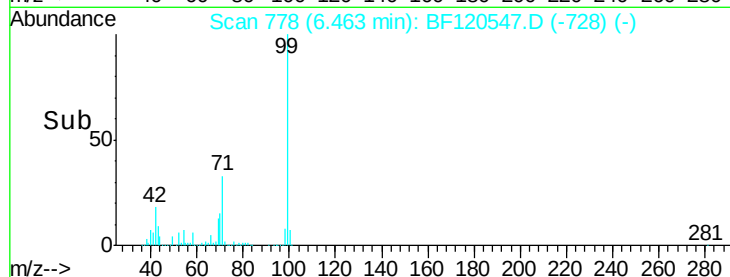
71 32.8 27.0 40.4



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: 13.372 ng

RT: 7.39 min Scan# 936

Delta R.T. 0.14 min

Lab File: BF120547.D

Acq: 4 Jun 2020 21:37

Tgt Ion: 70 Resp: 101876

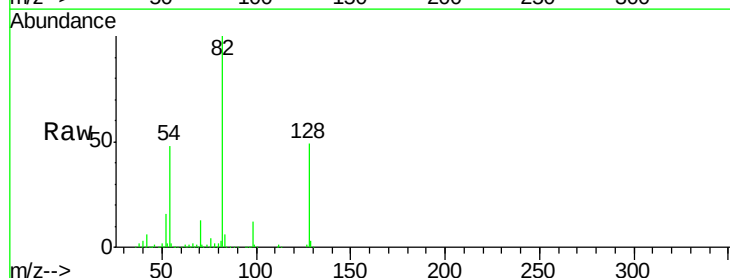
Ion Ratio Lower Upper

70 100

42 45.7 47.0 70.4#

101 0.0 7.8 11.8#

130 2.5 17.9 26.9#

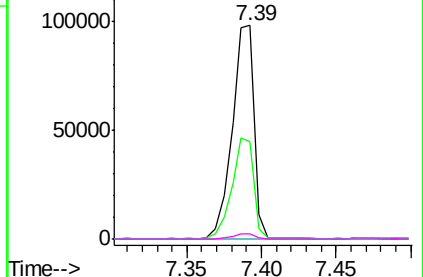
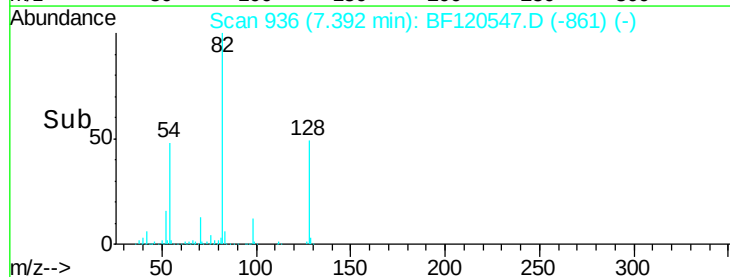


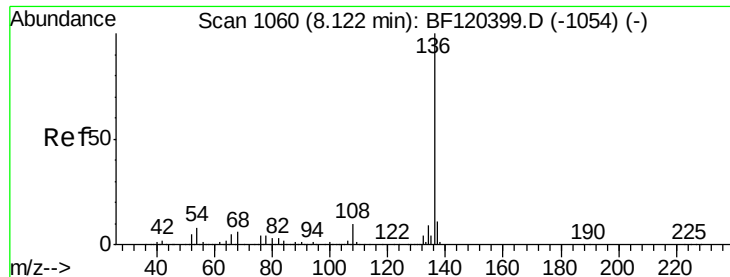
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF120547.D

Acq: 4 Jun 2020 21:37

Instrument :

BNA_F

ClientSampleId :

NM5-COMP-2020-0-6RE

Tot Ion:136 Resp: 693375

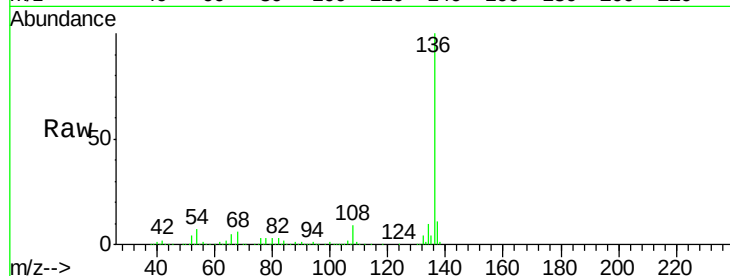
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 7.3 5.4 8.0

68 5.5 4.3 6.5

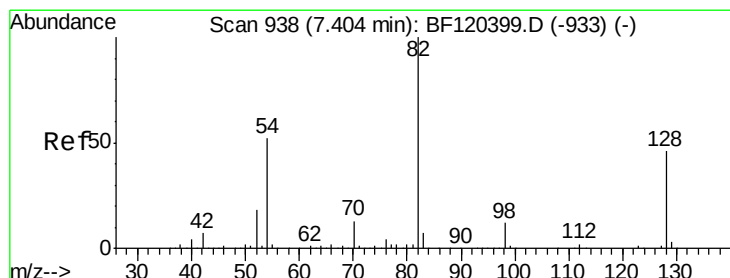
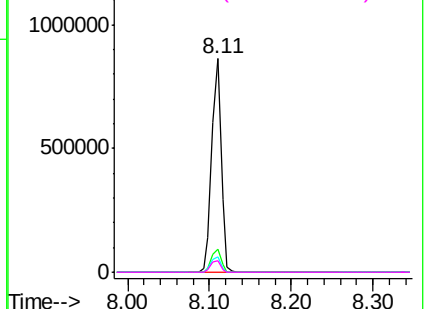
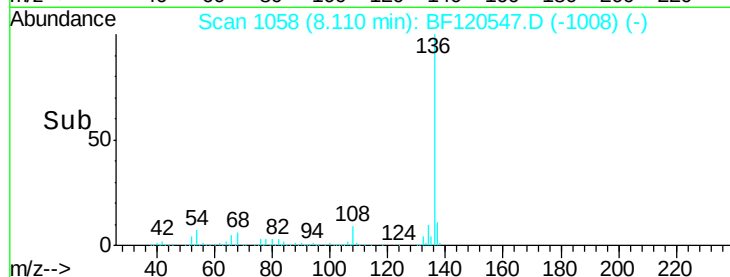


Abundance Ion 136.00 (135.70 to 136.70): E

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: 71.933 ng

RT: 7.39 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF120547.D

Acq: 4 Jun 2020 21:37

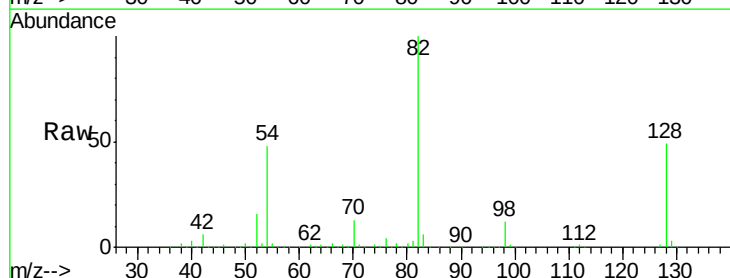
Tgt Ion: 82 Resp: 762481

Ion Ratio Lower Upper

82 100

128 49.1 36.7 55.1

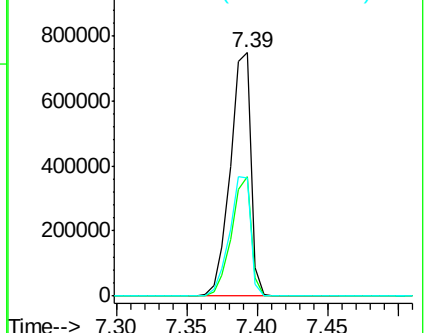
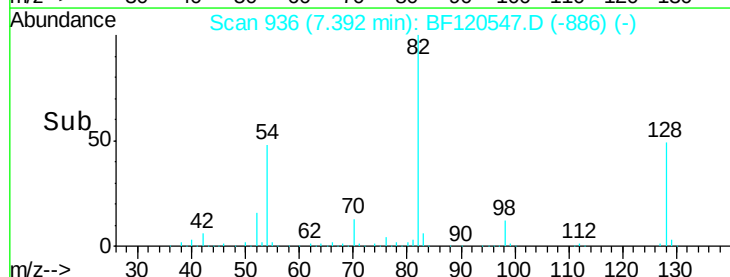
54 48.4 40.0 60.0

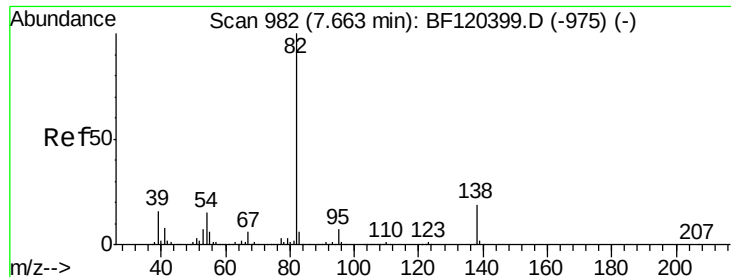


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 35.601 ng

RT: 7.39 min Scan# 936

Delta R.T. -0.26 min

Lab File: BF120547.D

Acq: 4 Jun 2020 21:37

Instrument :

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ClientSampleId :

NM5-COMP-2020-0-6RE

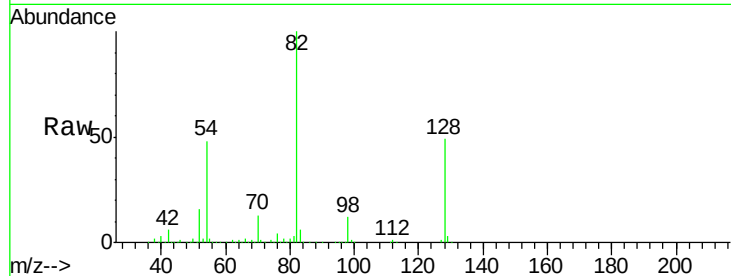
Tot Ion: 82 Resp: 758460

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

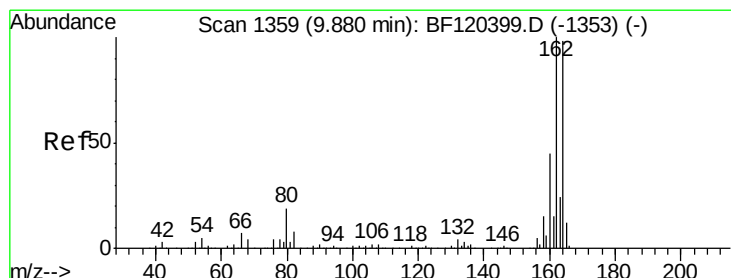
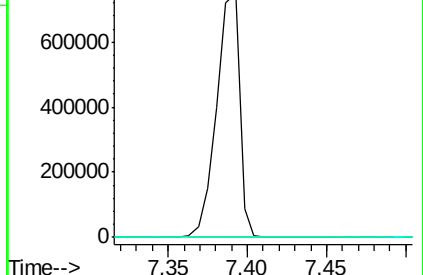
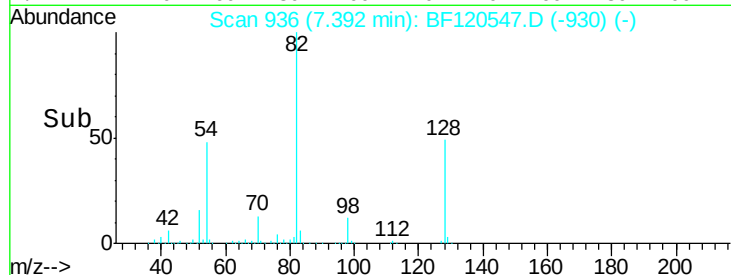
138 0.0 15.6 23.4#



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: BF120547.D

Acq: 4 Jun 2020 21:37

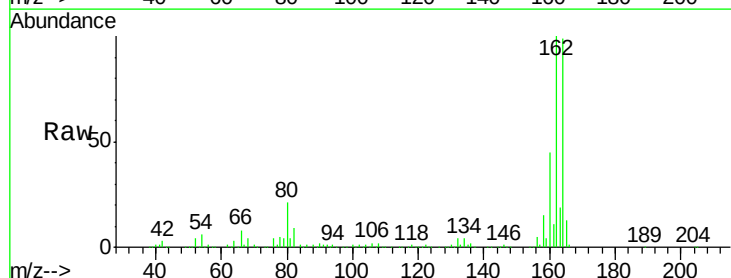
Tgt Ion: 164 Resp: 298459

Ion Ratio Lower Upper

164 100

162 101.1 81.2 121.8

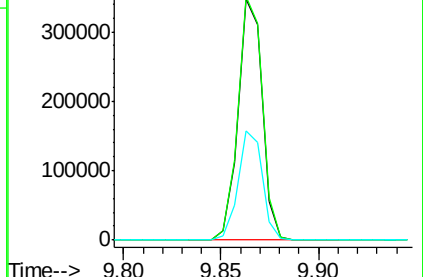
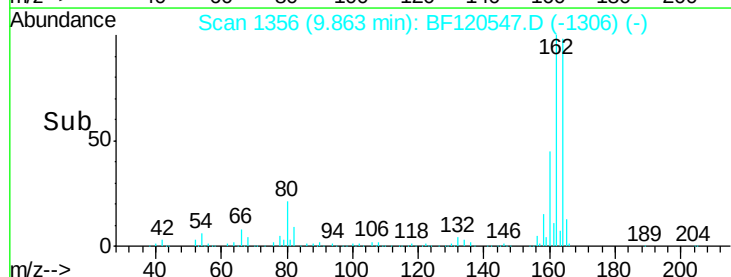
160 45.4 37.0 55.4

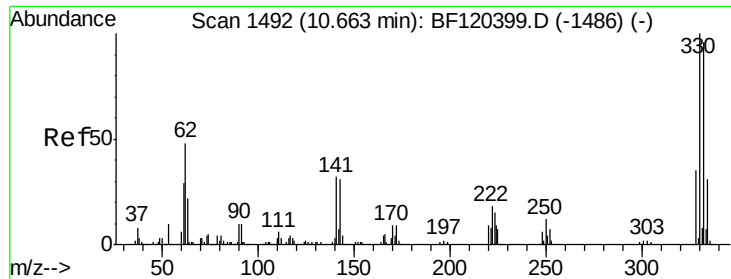


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

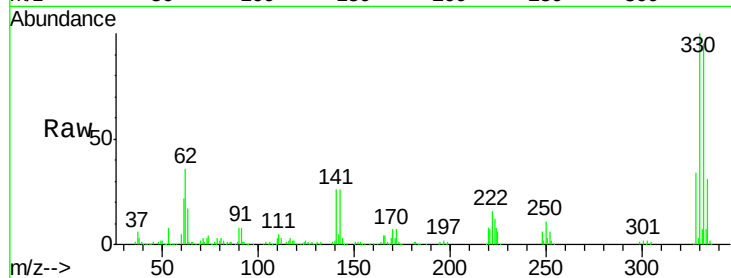




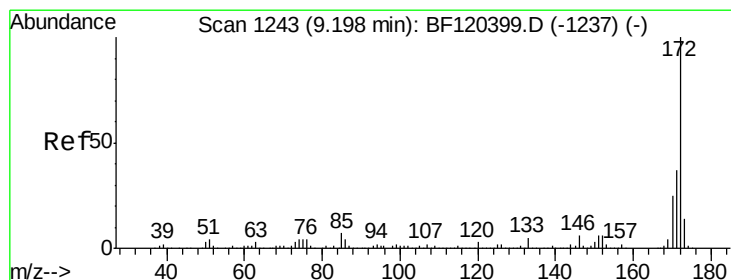
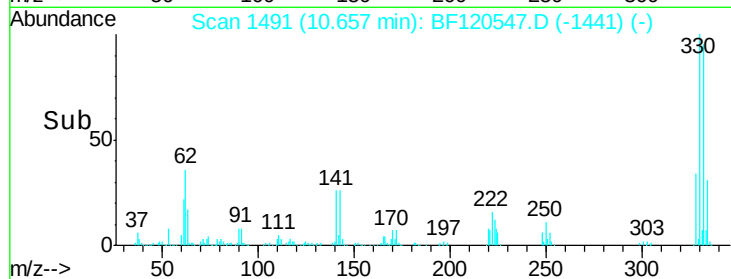
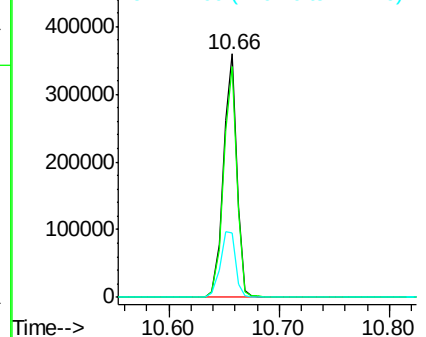
#42
 2,4,6-Tribromophenol
 Concen: 110.082 ng
 RT: 10.66 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: BF120547.D
 Acq: 4 Jun 2020 21:37

Instrument :
 BNA_F
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 NM5-COMP-2020-0-6RE

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.5	77.0	115.4
141	30.7	23.8	35.8

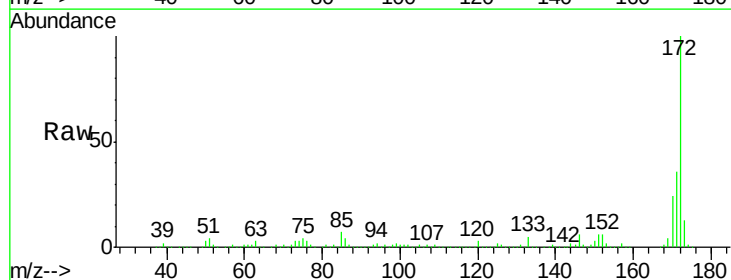


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

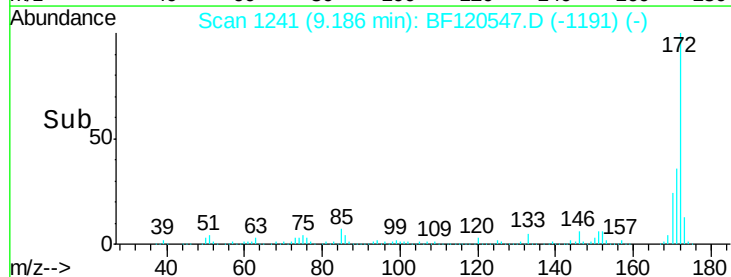
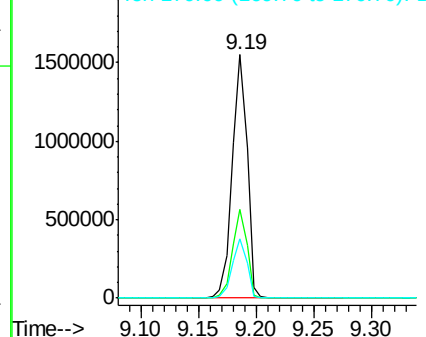


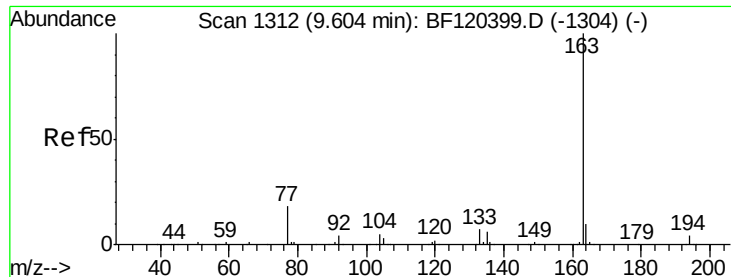
#45
 2-Fluorobiphenyl
 Concen: 78.562 ng
 RT: 9.19 min Scan# 1241
 Delta R.T. -0.01 min
 Lab File: BF120547.D
 Acq: 4 Jun 2020 21:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.5	44.3
170	24.3	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

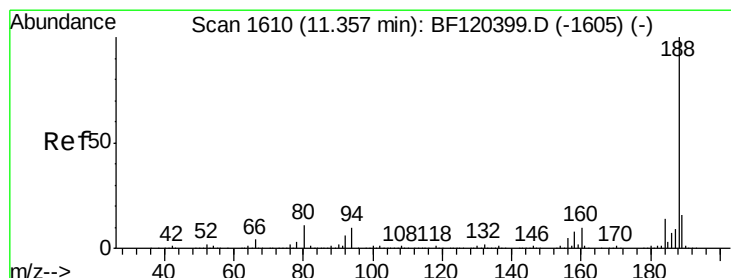
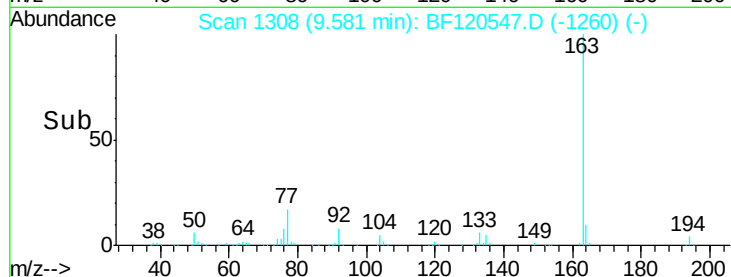
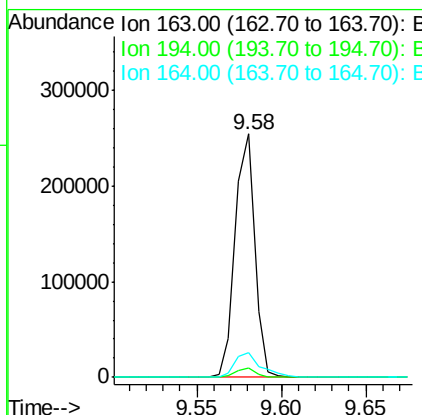
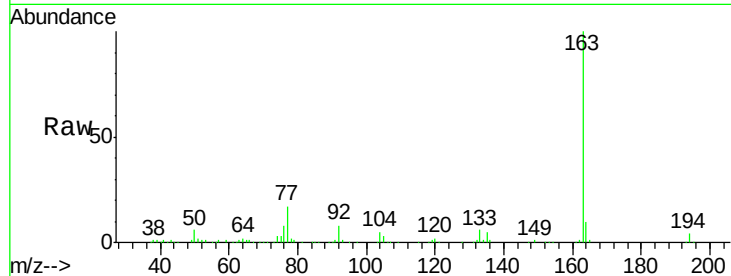




#50
Dimethylphthalate
Concen: 10.988 ng
RT: 9.58 min Scan# 1308
Delta R.T. -0.02 min
Lab File: BF120547.D
Acq: 4 Jun 2020 21:37

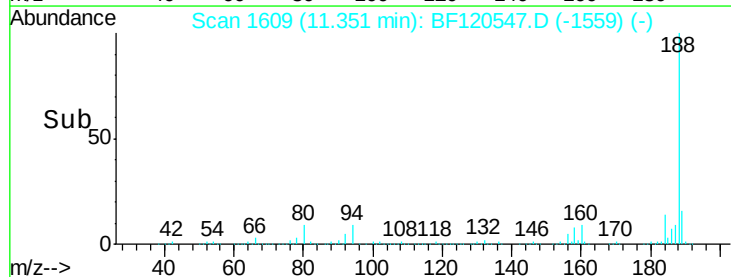
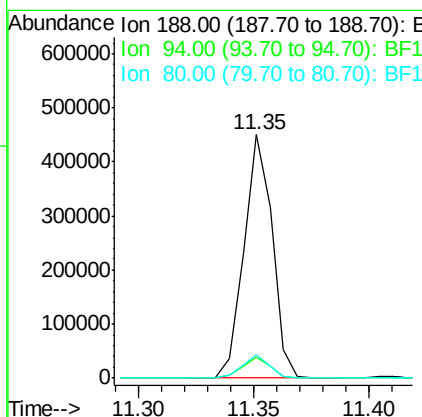
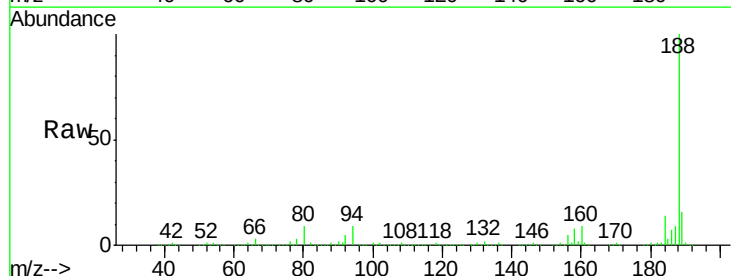
Instrument :
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ClientSampleId :
NM5-COMP-2020-0-6RE

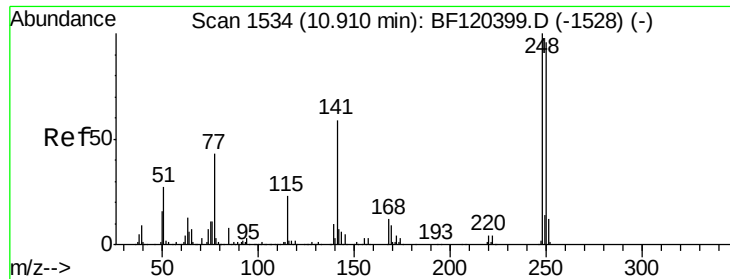
Tot Ion:163 Resp: 205030
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 10.2 8.0 12.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1609
Delta R.T. -0.01 min
Lab File: BF120547.D
Acq: 4 Jun 2020 21:37

Tgt Ion:188 Resp: 385519
Ion Ratio Lower Upper
188 100
94 8.8 7.4 11.2
80 9.5 7.6 11.4

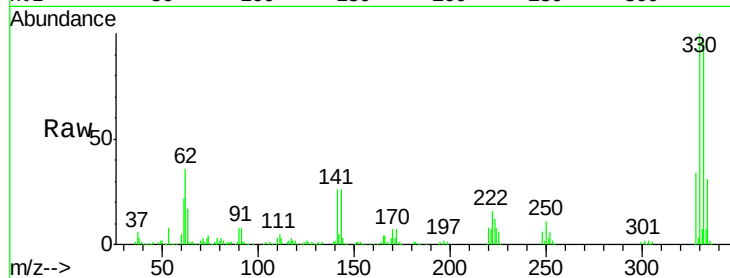




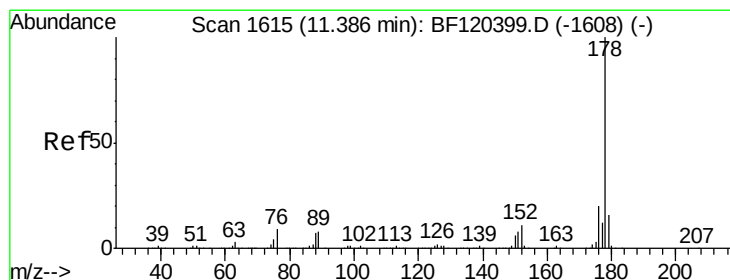
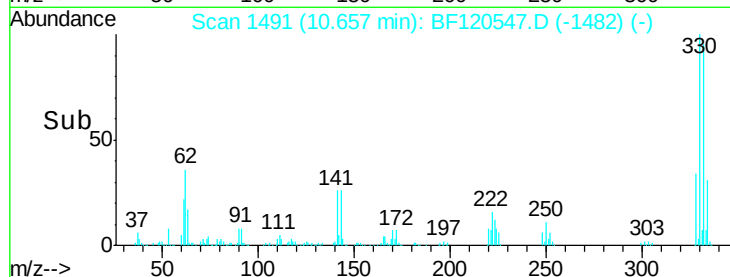
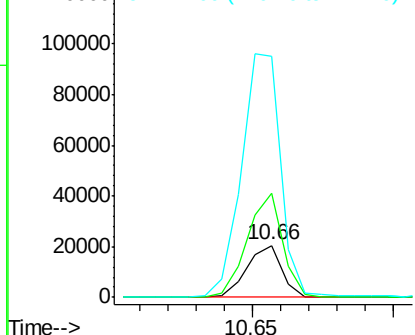
#67
 4-Bromophenyl-phenylether
 Concen: 4.579 ng
 RT: 10.66 min Scan# 1491
 Delta R.T. -0.25 min
 Lab File: BF120547.D
 Acq: 4 Jun 2020 21:37

Instrument :
 BNA_F
 ClientSampleId :
 NM5-COMP-2020-0-6RE

Tot Ion:248 Resp: 17818
 Ion Ratio Lower Upper
 248 100
 250 200.9 77.4 116.0#
 141 466.8 46.1 69.1#

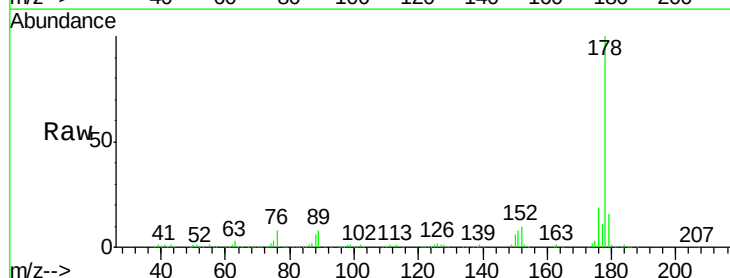


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

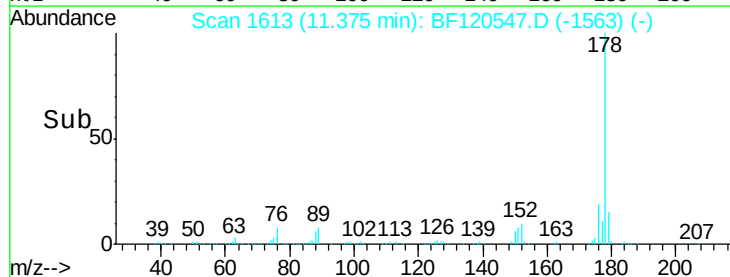
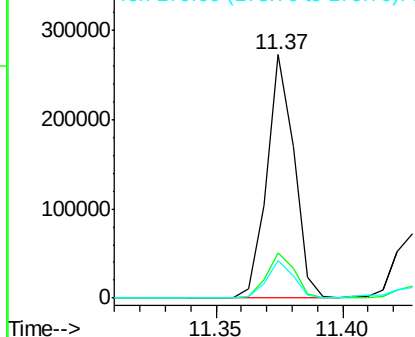


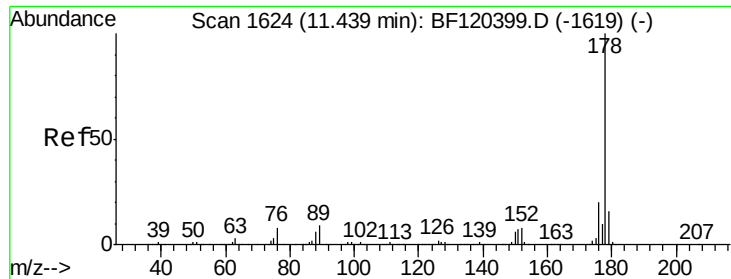
#71
 Phenanthrene
 Concen: 12.127 ng
 RT: 11.37 min Scan# 1613
 Delta R.T. -0.01 min
 Lab File: BF120547.D
 Acq: 4 Jun 2020 21:37

Tgt Ion:178 Resp: 206002
 Ion Ratio Lower Upper
 178 100
 176 18.5 16.2 24.2
 179 15.5 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





#72

Anthracene

Concen: 3.341 ng

RT: 11.43 min Scan# 1622

Delta R.T. -0.01 min

Lab File: BF120547.D

Acq: 4 Jun 2020 21:37

Instrument :

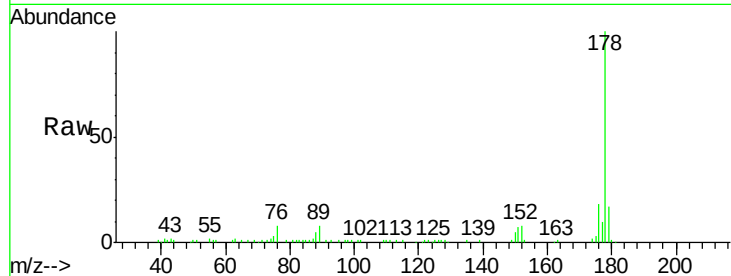
BNA_F

ClientSampleId :

NM5-COMP-2020-0-6RE

Tot Ion:178 Resp: 56937

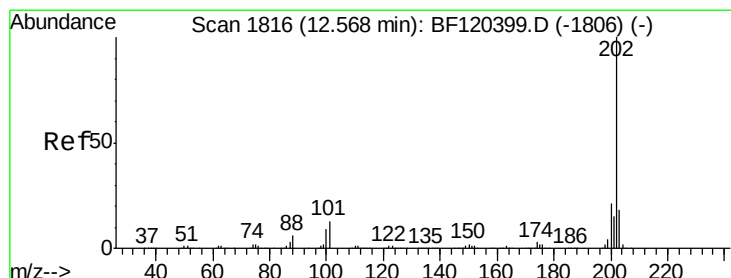
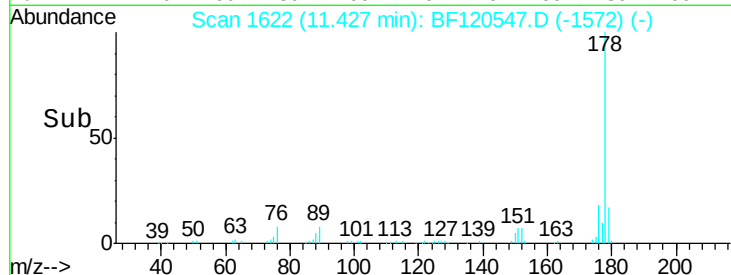
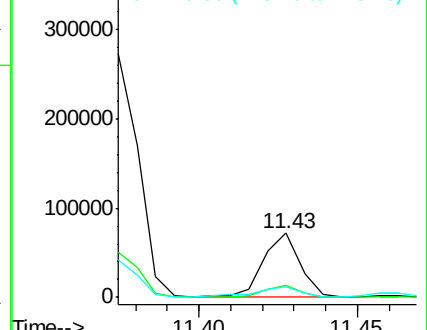
Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.8	23.6
179	17.0	12.9	19.3



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: 22.884 ng

RT: 12.57 min Scan# 1816

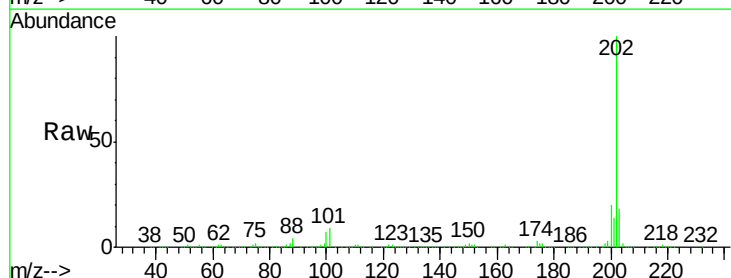
Delta R.T. 0.00 min

Lab File: BF120547.D

Acq: 4 Jun 2020 21:37

Tgt Ion:202 Resp: 418274

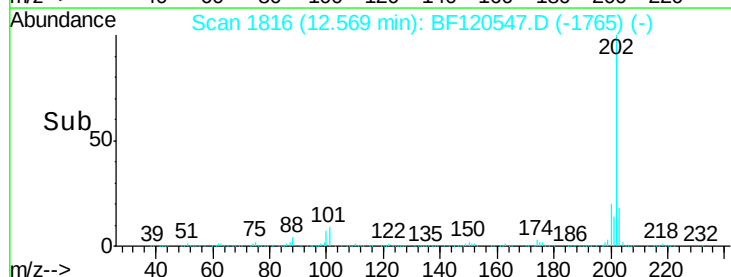
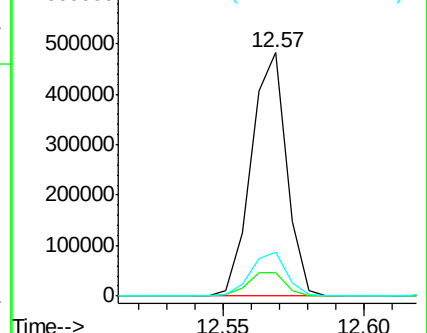
Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	31.3
203	17.9	0.0	38.4

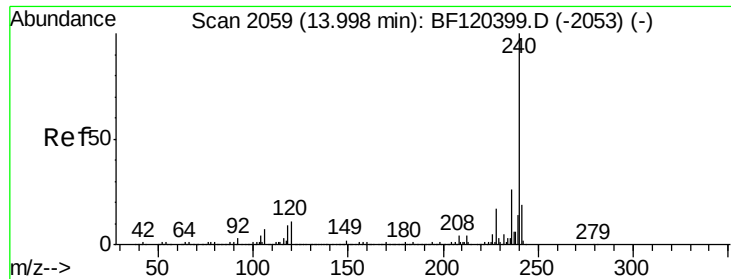


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

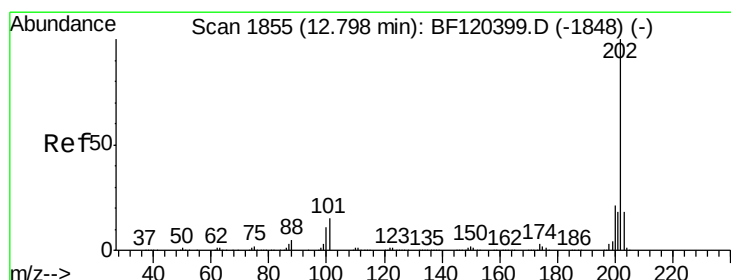
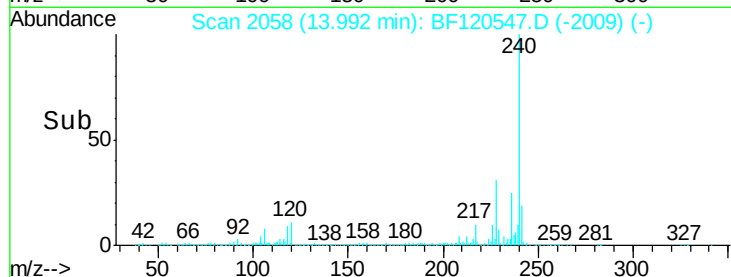
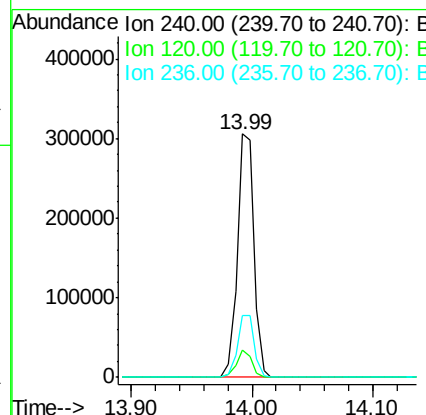
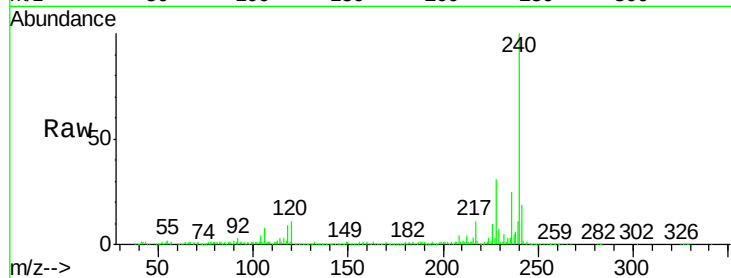




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2058
Delta R.T. -0.01 min
Lab File: BF120547.D
Acq: 4 Jun 2020 21:37

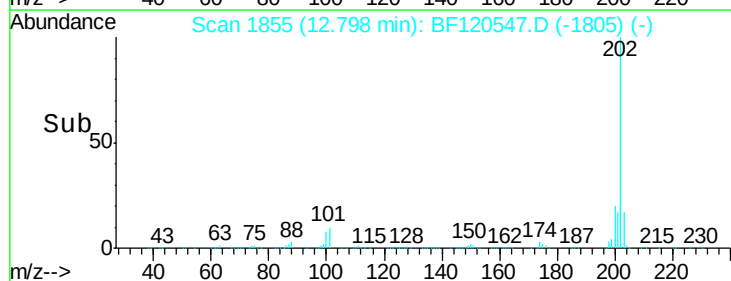
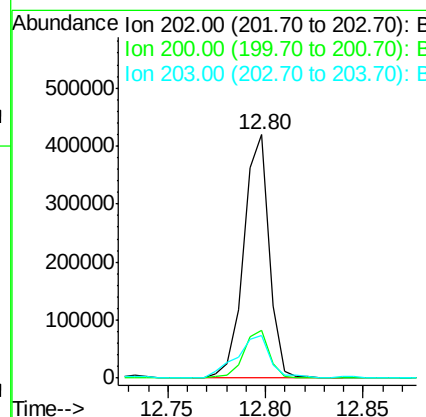
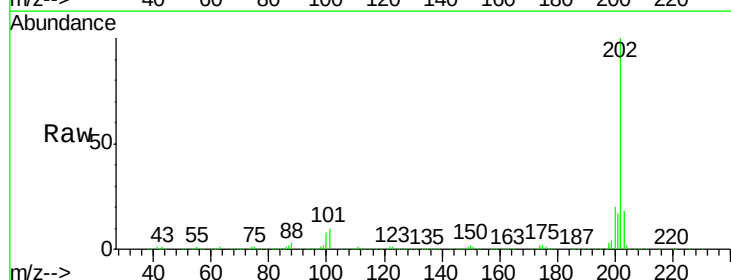
Instrument :
BNA_F
ClientSampleId :
NM5-COMP-2020-0-6RE

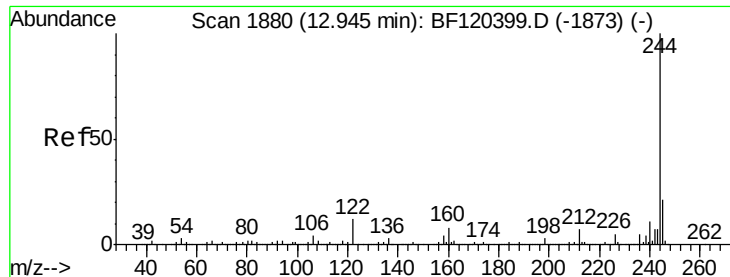
Tot Ion:240 Resp: 293422
Ion Ratio Lower Upper
240 100
120 11.0 7.7 11.5
236 25.4 20.8 31.2



#78
Pyrene
Concen: 18.563 ng
RT: 12.80 min Scan# 1855
Delta R.T. -0.01 min
Lab File: BF120547.D
Acq: 4 Jun 2020 21:37

Tgt Ion:202 Resp: 378789
Ion Ratio Lower Upper
202 100
200 19.8 17.0 25.6
203 17.5 14.2 21.2



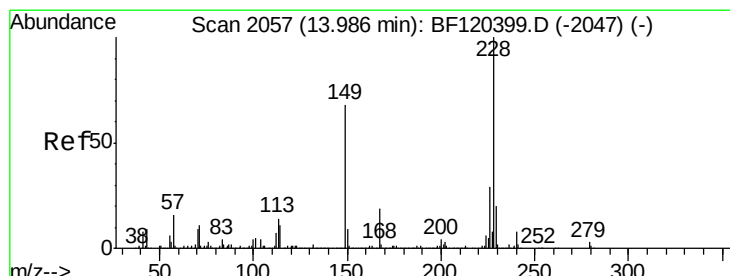
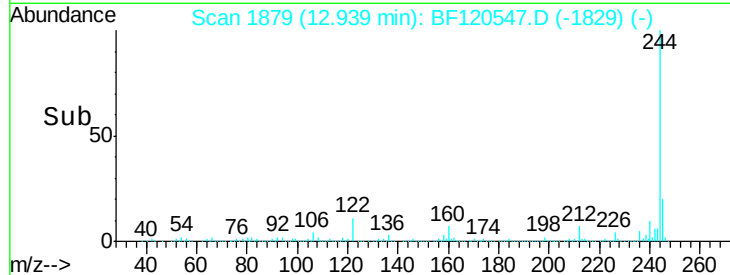
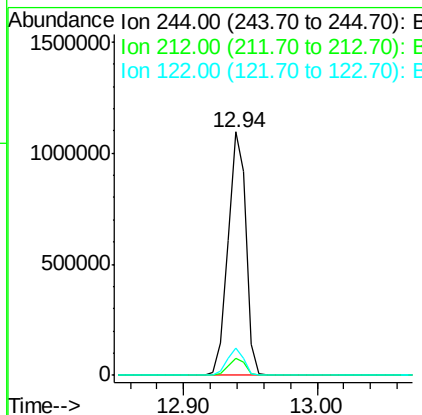
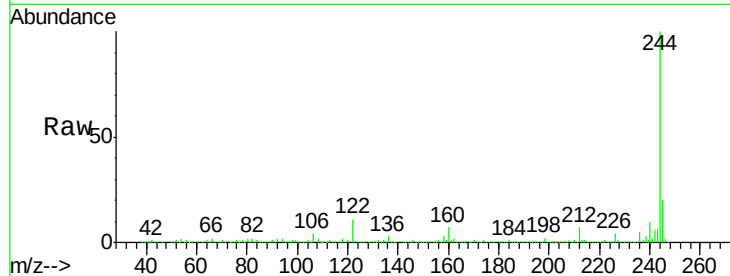


#79
 Terphenyl-d14
 Concen: 78.467 ng
 RT: 12.94 min Scan# 1879
 Delta R.T. -0.01 min
 Lab File: BF120547.D
 Acq: 4 Jun 2020 21:37

Instrument :
 BNA_F
 ClientSampleId :
 NM5-COMP-2020-0-6RE

Tot Ion:244 Resp: 1034677

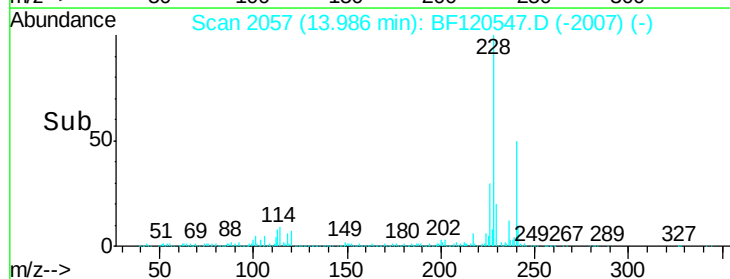
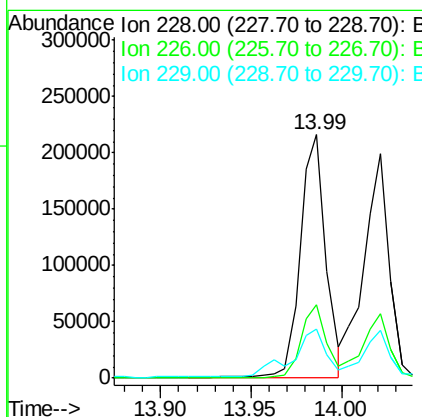
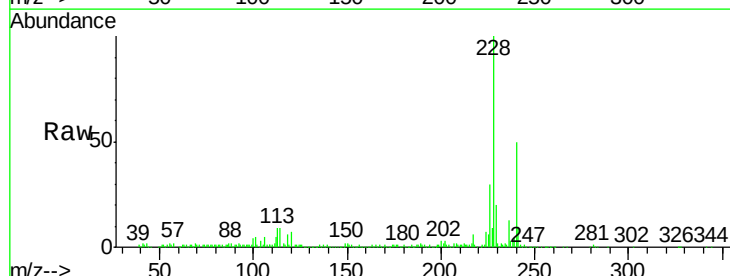
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	11.2	8.0	12.0

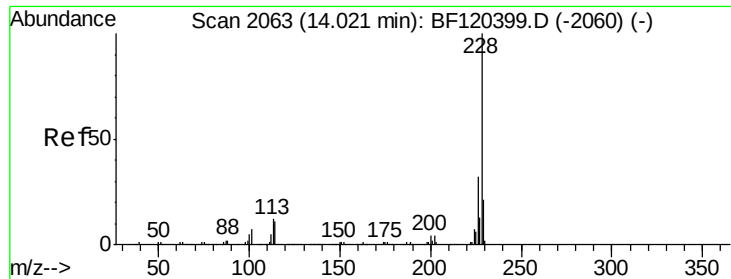


#81
 Benzo(a)anthracene
 Concen: 13.516 ng
 RT: 13.99 min Scan# 2057
 Delta R.T. -0.01 min
 Lab File: BF120547.D
 Acq: 4 Jun 2020 21:37

Tgt Ion:228 Resp: 212547

Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.4	33.6
229	20.3	16.2	24.2

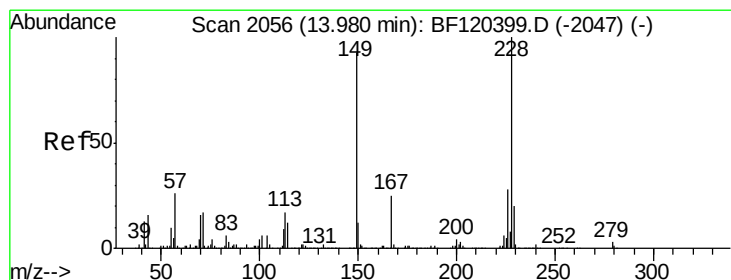
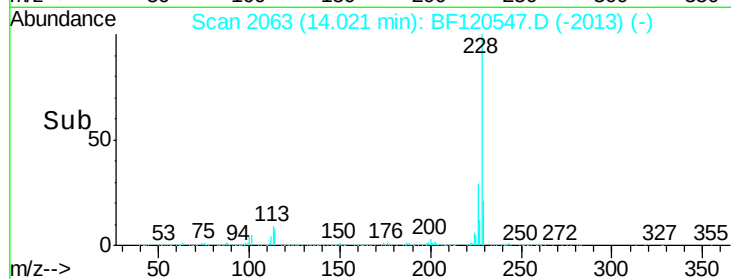
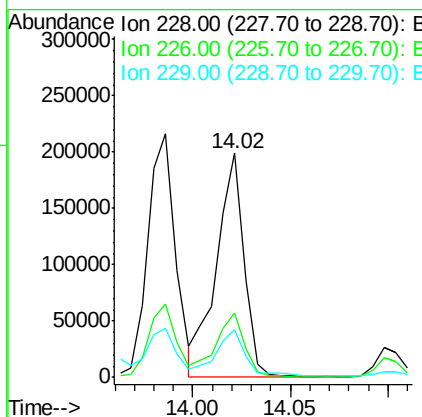
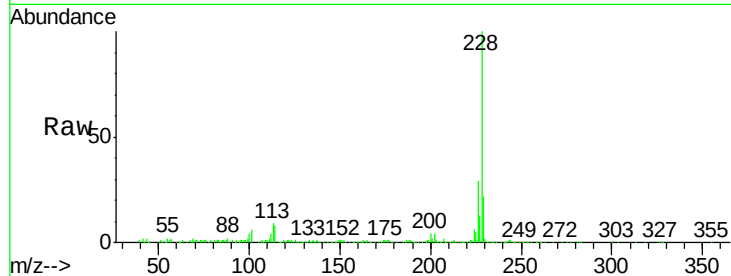




#83
Chrysene
Concen: 11.807 ng
RT: 14.02 min Scan# 2063
Delta R.T. -0.01 min
Lab File: BF120547.D
Acq: 4 Jun 2020 21:37

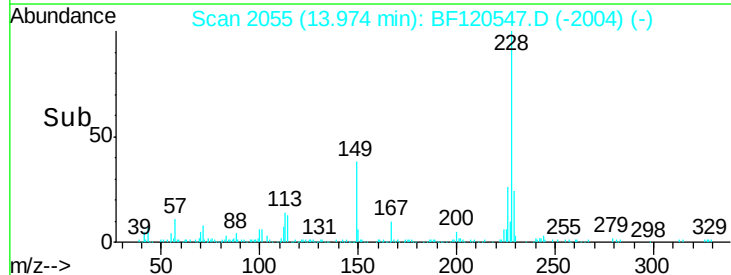
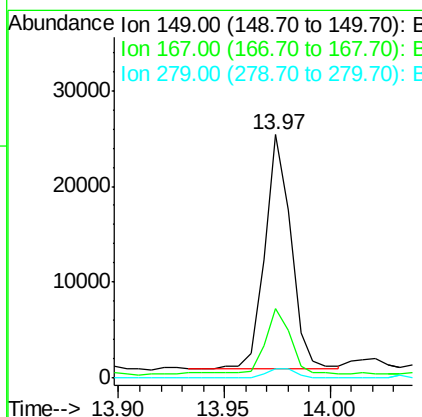
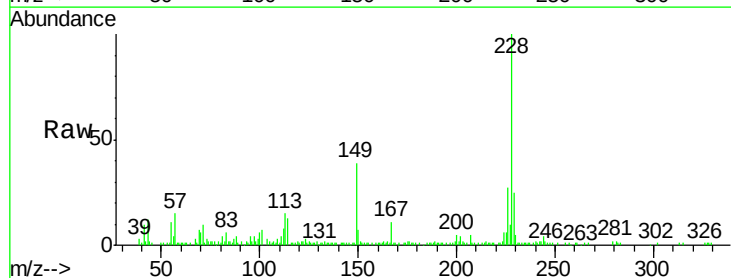
Instrument :
BNA_F
ClientSampleId :
NM5-COMP-2020-0-6RE

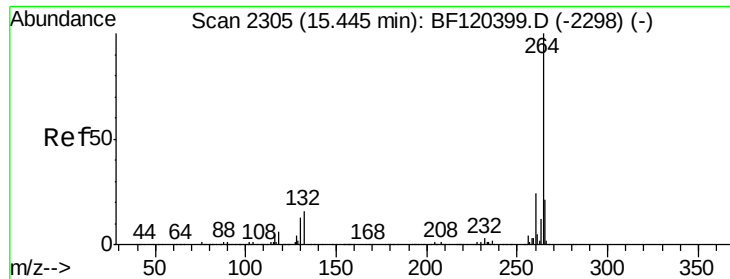
Tot Ion:228 Resp: 194657
Ion Ratio Lower Upper
228 100
226 28.9 25.6 38.4
229 21.6 16.2 24.2



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.102 ng
RT: 13.97 min Scan# 2055
Delta R.T. 0.00 min
Lab File: BF120547.D
Acq: 4 Jun 2020 21:37

Tgt Ion:149 Resp: 21018
Ion Ratio Lower Upper
149 100
167 28.4 22.6 33.8
279 4.0 3.1 4.7

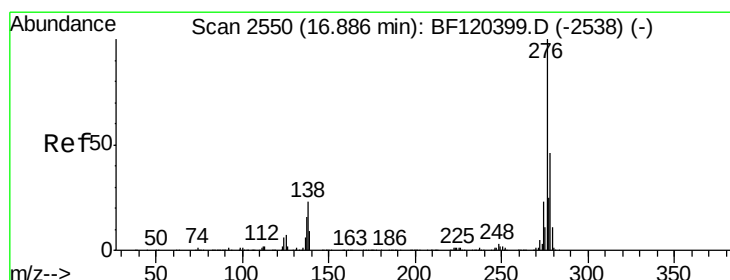
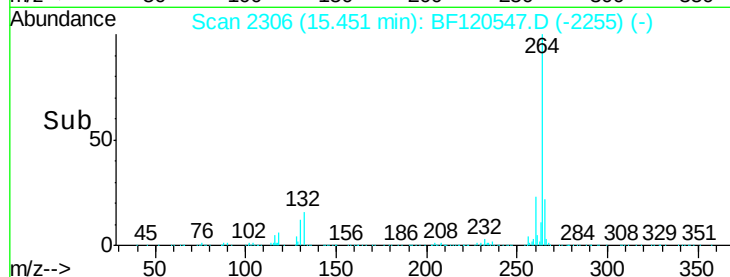
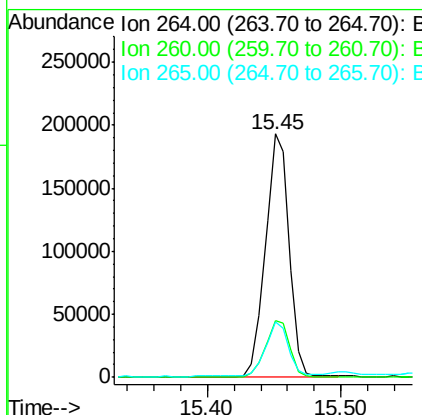
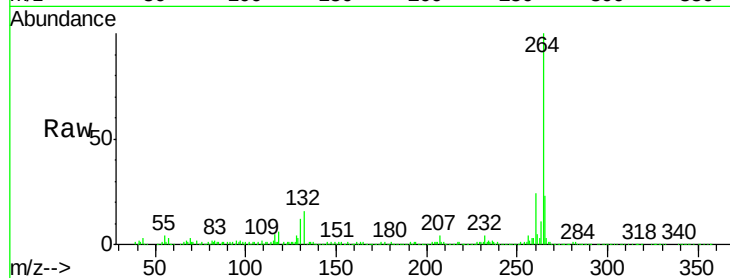




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2306
Delta R.T. 0.00 min
Lab File: BF120547.D
Acq: 4 Jun 2020 21:37

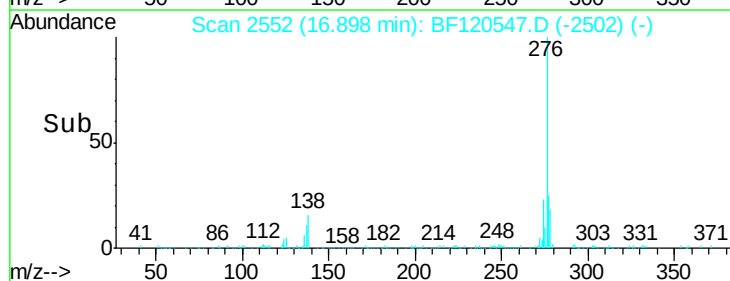
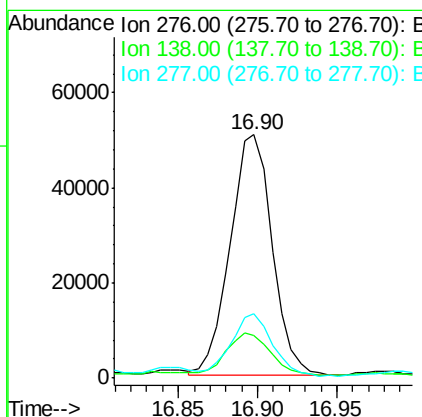
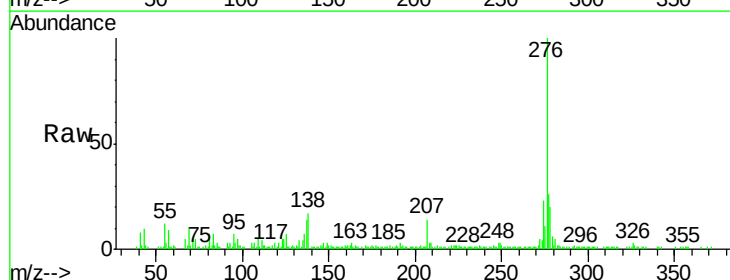
Instrument :
BNA_F
ClientSampleId :
NM5-COMP-2020-0-6RE

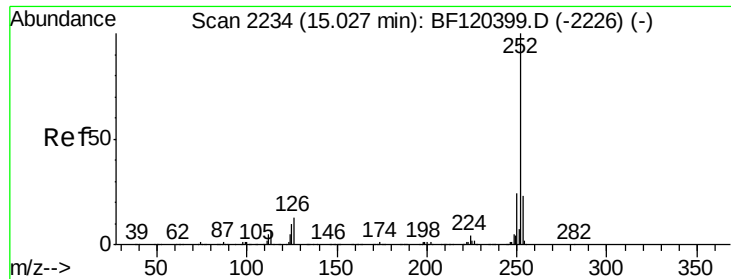
Tot Ion:264 Resp: 237852
Ion Ratio Lower Upper
264 100
260 23.5 19.5 29.3
265 22.6 17.5 26.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 7.143 ng
RT: 16.90 min Scan# 2552
Delta R.T. -0.01 min
Lab File: BF120547.D
Acq: 4 Jun 2020 21:37

Tgt Ion:276 Resp: 92925
Ion Ratio Lower Upper
276 100
138 19.3 19.2 28.8
277 25.7 20.3 30.5

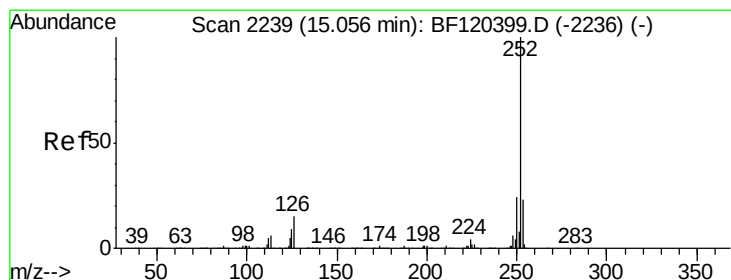
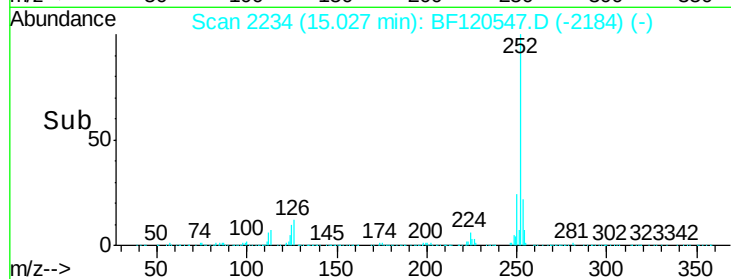
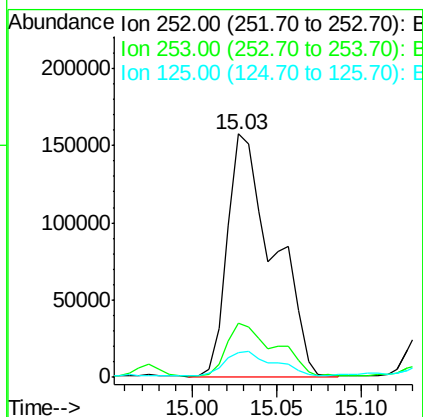
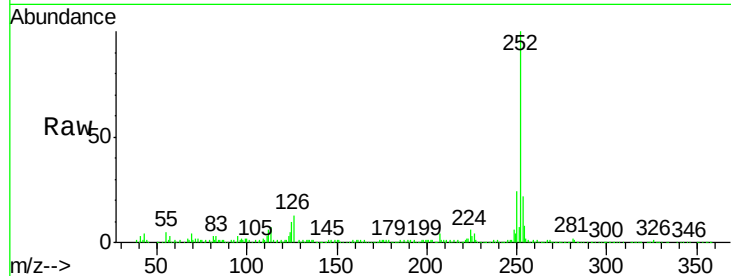




#88
Benzo(b)fluoranthene
Concen: 22.494 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF120547.D
Acq: 4 Jun 2020 21:37

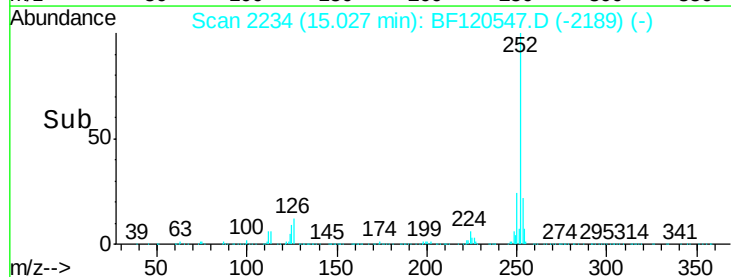
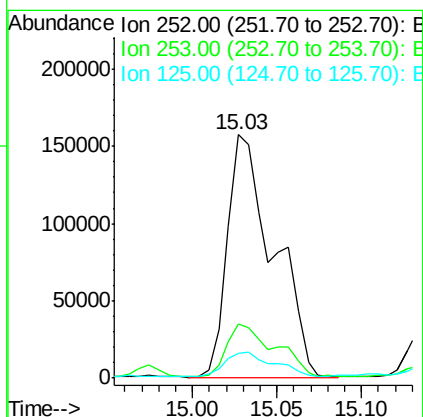
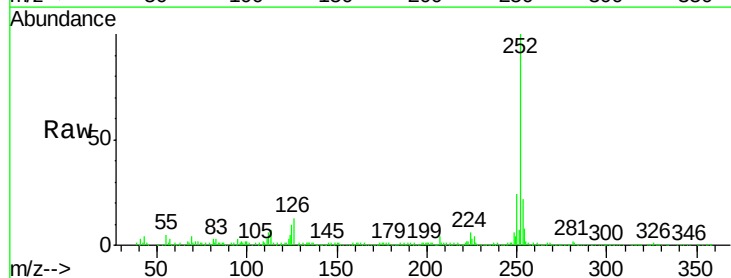
Instrument :
BNA_F
ClientSampleId :
NM5-COMP-2020-0-6RE

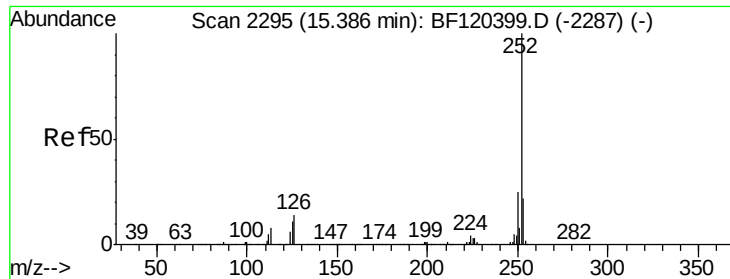
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.0	27.0
125	10.4	8.3	12.5



#89
Benzo(k)fluoranthene
Concen: 24.095 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.04 min
Lab File: BF120547.D
Acq: 4 Jun 2020 21:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.4	27.6
125	10.4	8.6	13.0





#90

Benzo(a)pyrene

Concen: 12.850 ng

RT: 15.39 min Scan# 2296

Delta R.T. 0.00 min

Lab File: BF120547.D

Acq: 4 Jun 2020 21:37

Instrument :

BNA_F

ClientSampleId :

NM5-COMP-2020-0-6RE

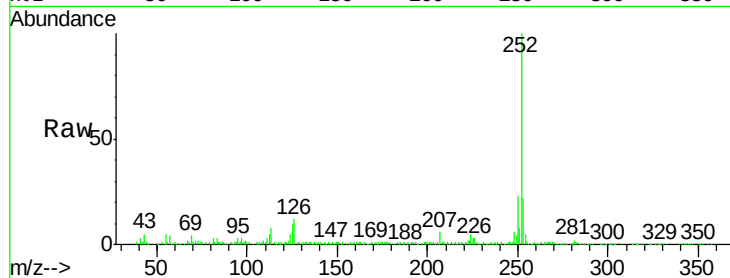
Tot Ion:252 Resp: 148487

Ion Ratio Lower Upper

252 100

253 22.3 18.2 27.2

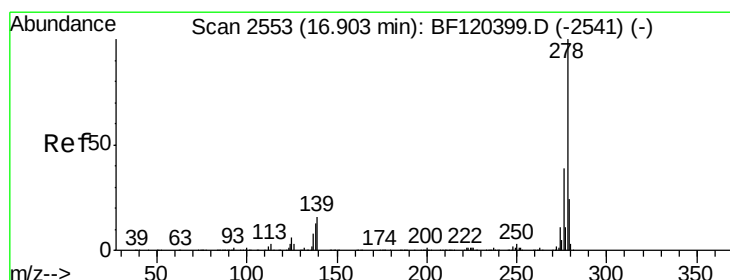
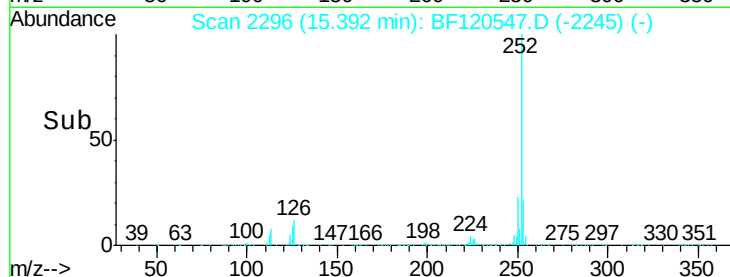
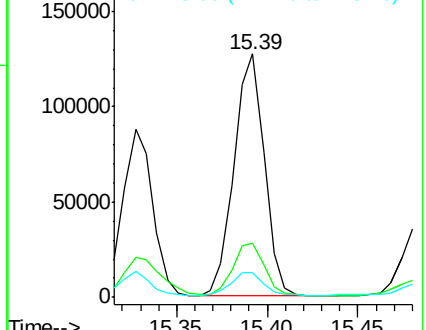
125 10.3 9.6 14.4



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



#91

Dibenzo(a,h)anthracene

Concen: 2.256 ng

RT: 16.90 min Scan# 2553

Delta R.T. -0.02 min

Lab File: BF120547.D

Acq: 4 Jun 2020 21:37

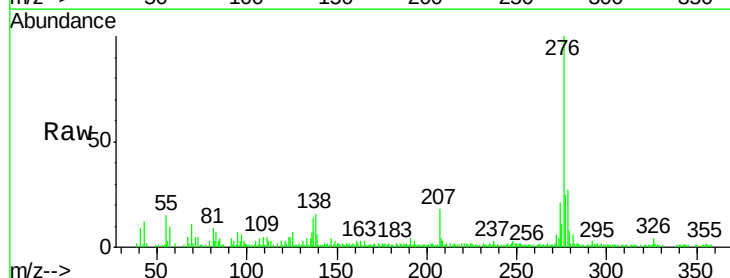
Tgt Ion:278 Resp: 23931

Ion Ratio Lower Upper

278 100

139 21.1 12.4 18.6#

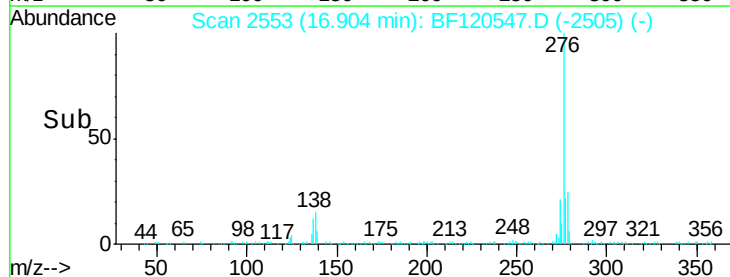
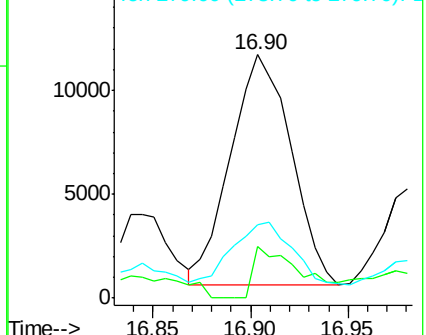
279 30.1 19.4 29.0#

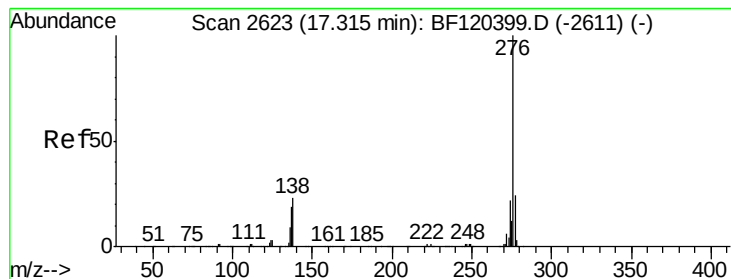


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 11.354 ng

RT: 17.33 min Scan# 2626

Delta R.T. -0.01 min

Lab File: BF120547.D

Acq: 4 Jun 2020 21:37

Instrument :

BNA_F

ClientSampleId :

NM5-COMP-2020-0-6RE

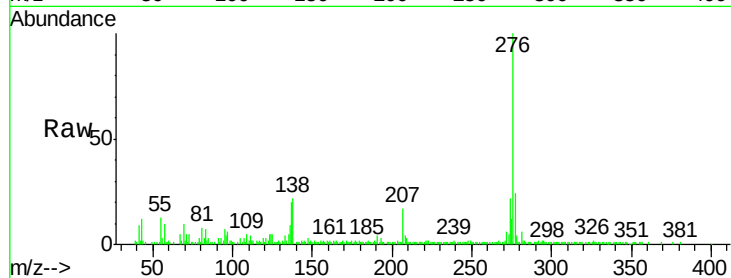
Tot Ion:276 Resp: 118768

Ion Ratio Lower Upper

276 100

277 23.6 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

