

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
 Data File : BF120535.D
 Acq On : 4 Jun 2020 16:01
 Operator : JU/CG
 Sample : L2839-01RE
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM31-COMP-2020-0-6

Quant Time: Jun 04 16:35:04 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 03 14:26:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	175980	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	664005	20.00	ng	-0.01
39) Acenaphthene-d10	9.86	164	341381	20.00	ng	-0.02
64) Phenanthrene-d10	11.35	188	623791	20.00	ng	-0.01
76) Chrysene-d12	13.99	240	383379	20.00	ng	-0.02
86) Perylene-d12	15.45	264	428251	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	971471	105.20	ng	0.00
7) Phenol-d6	6.46	99	1225490	107.67	ng	-0.01
23) Nitrobenzene-d5	7.39	82	787700	77.60	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	348439	110.16	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1439996	71.57	ng	-0.01
79) Terphenyl-d14	12.94	244	1322361	76.75	ng	-0.01

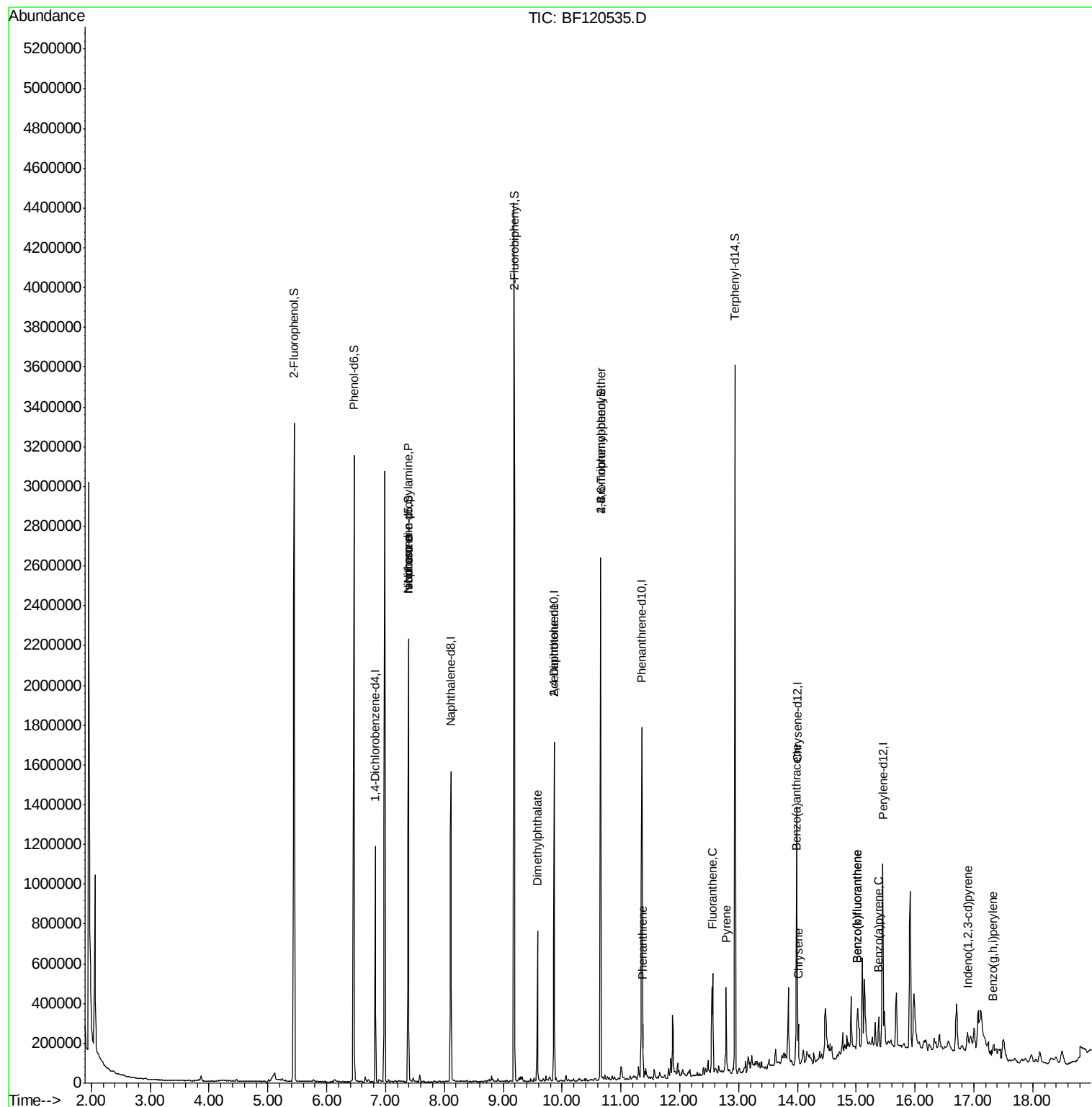
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	104512	14.445	ng	# 76
25) Isophorone	7.39	82	784578	38.456	ng	# 64
50) Dimethylphthalate	9.58	163	285776	13.390	ng	99
57) 2,4-Dinitrotoluene	9.86	165	43783	7.213	ng	# 26
67) 4-Bromophenyl-phenylether	10.66	248	20615	3.274	ng	# 1
71) Phenanthrene	11.37	178	81703	2.973	ng	95
75) Fluoranthene	12.56	202	176442	5.966	ng	98
78) Pyrene	12.79	202	166024	6.227	ng	98
81) Benzo(a)anthracene	13.98	228	79969	3.892	ng	98
83) Chrysene	14.02	228	72569	3.369	ng	95
87) Indeno(1,2,3-cd)pyrene	16.89	276	51717	2.208	ng	95
88) Benzo(b)fluoranthene	15.02	252	151856	6.384	ng	# 97
89) Benzo(k)fluoranthene	15.02	252	151856	6.839	ng	# 97
90) Benzo(a)pyrene	15.39	252	79821	3.836	ng	97
92) Benzo(a,h,i)perylene	17.33	276	44249	2.349	ng	98

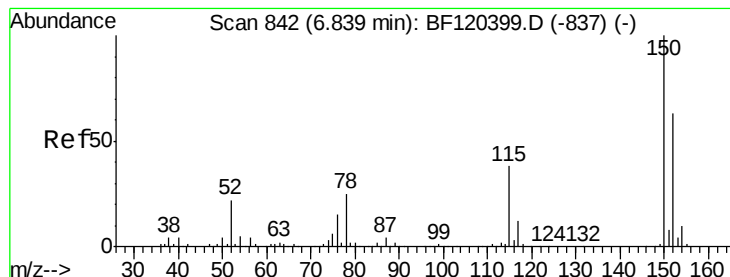
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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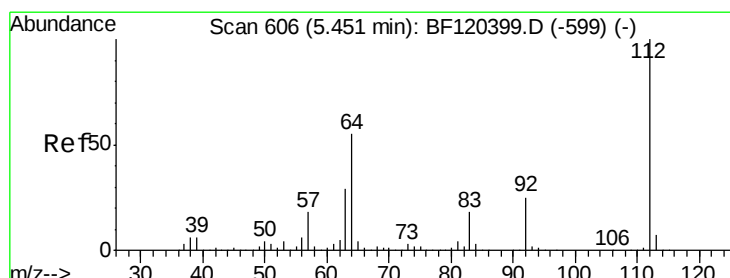
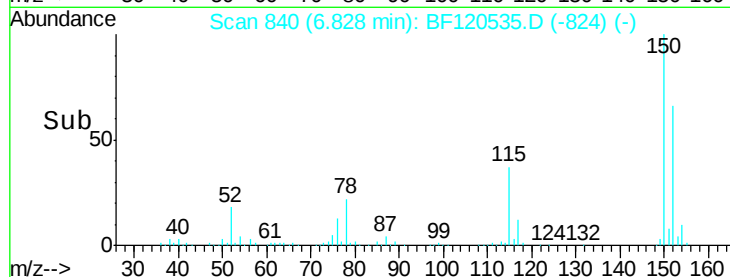
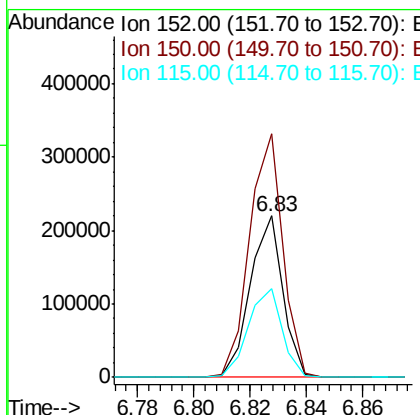
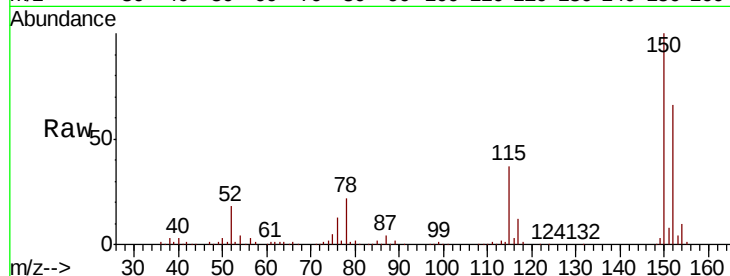




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 840
 Delta R.T. -0.01 min
 Lab File: BF120535.D
 Acq: 4 Jun 2020 16:01

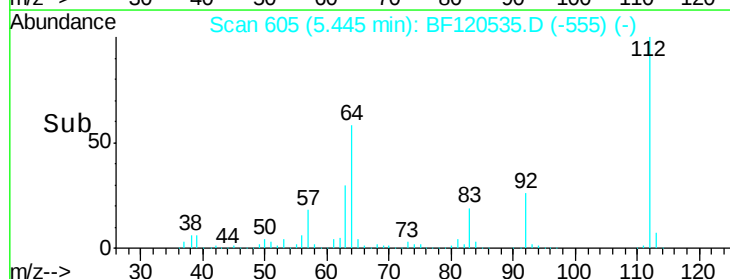
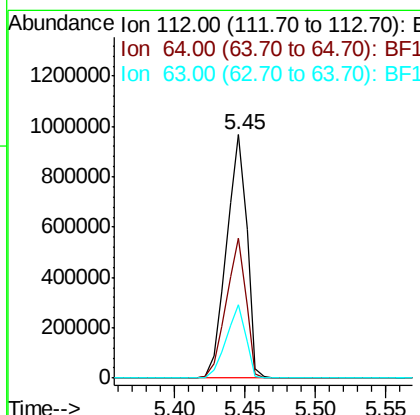
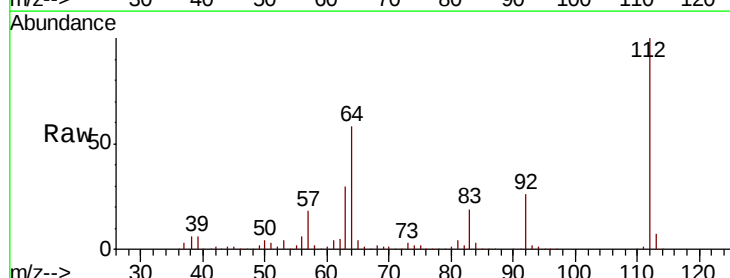
Instrument :
 BNA_F
 ClientSampleId :
 NM31-COMP-2020-0-6

Tot Ion:152 Resp: 175980
 Ion Ratio Lower Upper
 152 100
 150 151.1 127.1 190.7
 115 55.4 48.7 73.1



#5
 2-Fluorophenol
 Concen: 105.204 ng
 RT: 5.45 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: BF120535.D
 Acq: 4 Jun 2020 16:01

Tgt Ion:112 Resp: 971471
 Ion Ratio Lower Upper
 112 100
 64 57.6 45.8 68.8
 63 30.1 23.7 35.5





#7

Phenol-d6

Concen: 107.671 ng

RT: 6.46 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF120535.D

Acq: 4 Jun 2020 16:01

Instrument :

BNA_F

ClientSampleId :

NM31-COMP-2020-0-6

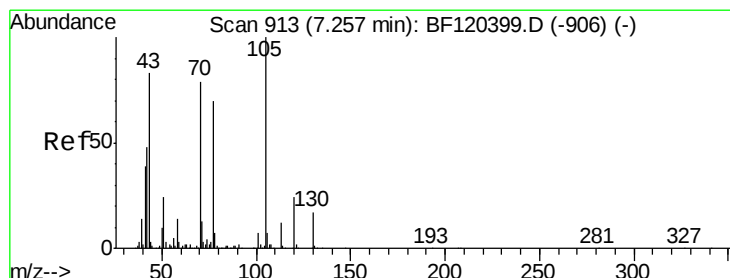
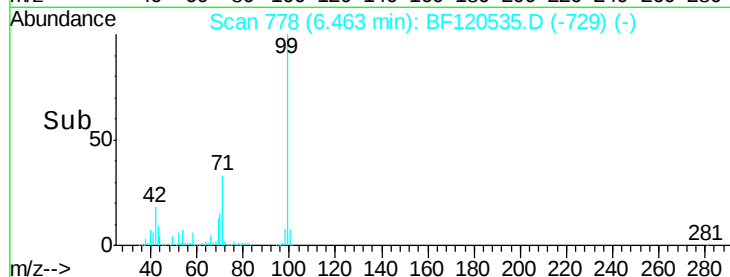
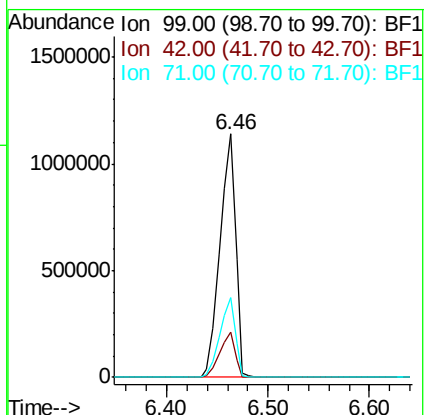
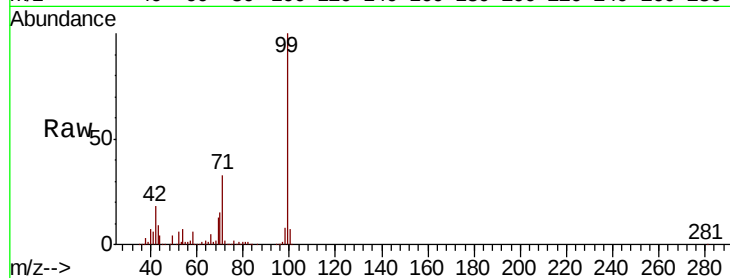
Tot Ion: 99 Resp: 1225490

Ion Ratio Lower Upper

99 100

42 18.4 15.0 22.4

71 32.8 26.3 39.5



#19

n-Nitroso-di-n-propylamine

Concen: 14.445 ng

RT: 7.39 min Scan# 936

Delta R.T. 0.14 min

Lab File: BF120535.D

Acq: 4 Jun 2020 16:01

Tgt Ion: 70 Resp: 104512

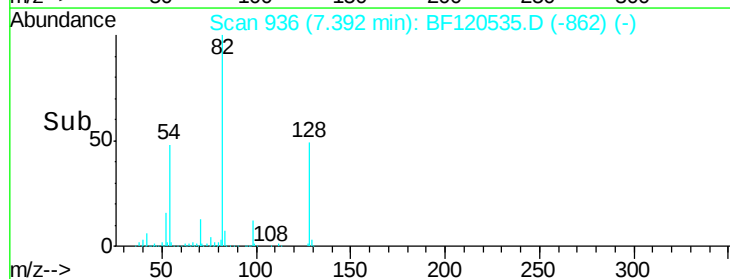
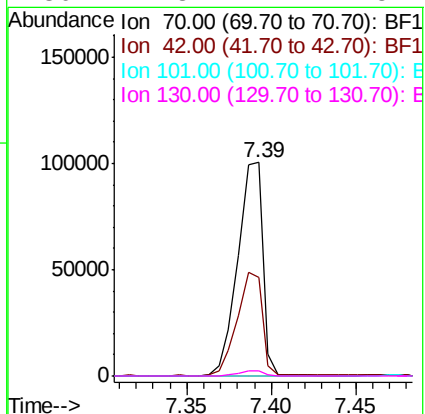
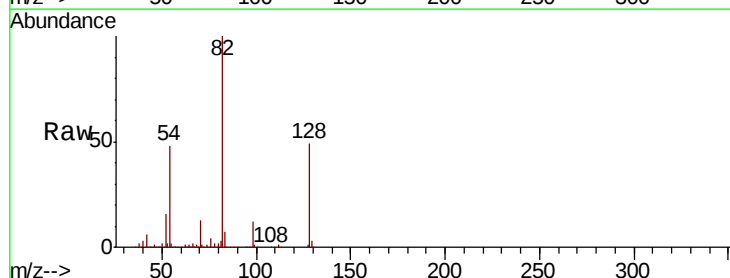
Ion Ratio Lower Upper

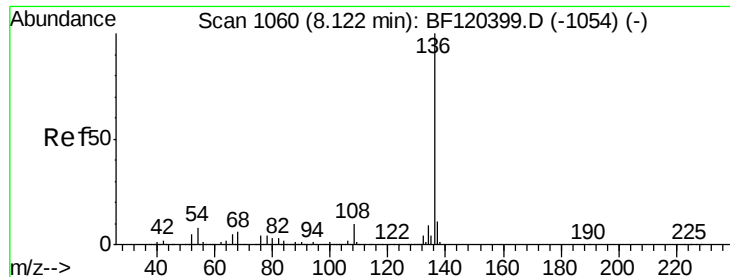
70 100

42 46.2 47.6 71.4#

101 0.0 7.4 11.0#

130 2.3 17.1 25.7#

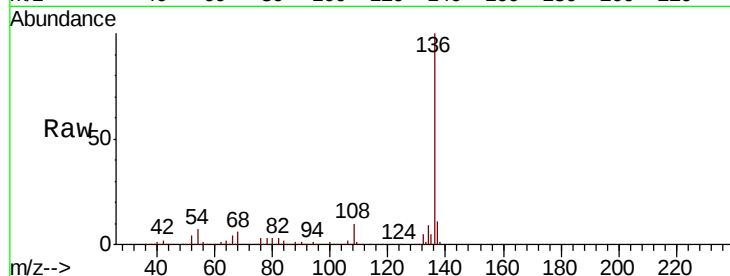




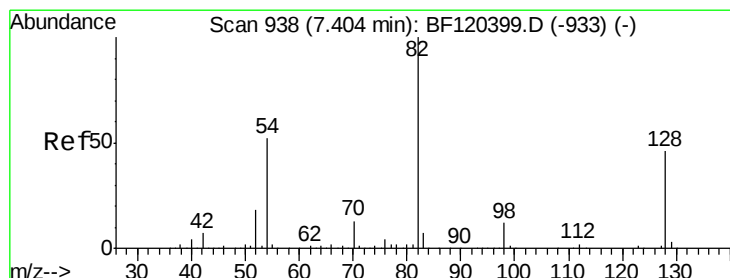
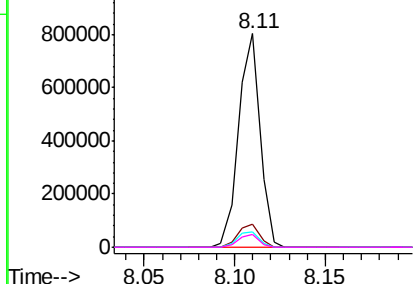
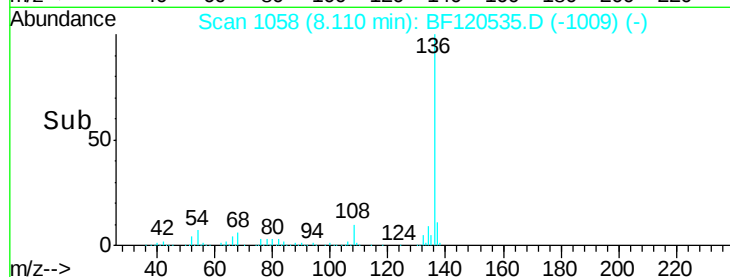
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1058
Delta R.T. -0.01 min
Lab File: BF120535.D
Acq: 4 Jun 2020 16:01

Instrument :
BNA_F
ClientSampleId :
NM31-COMP-2020-0-6

Tot Ion:136	Resp:	664005	
Ion Ratio	Lower	Upper	
136 100			
137 10.8	9.0	13.4	
54 7.1	6.0	9.0	
68 5.7	4.8	7.2	

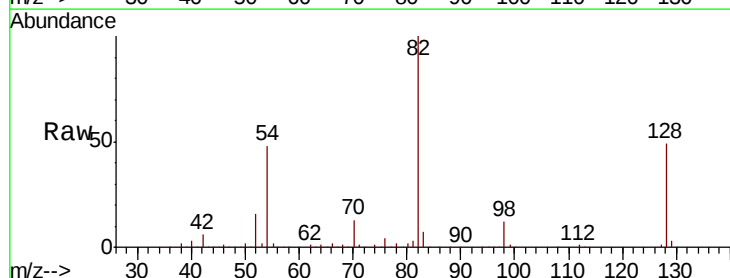


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

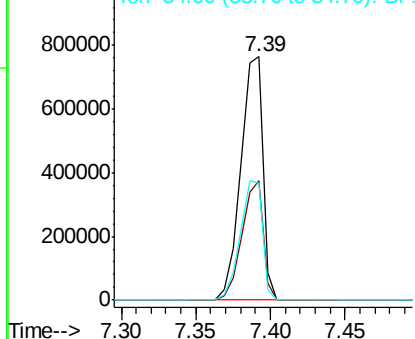
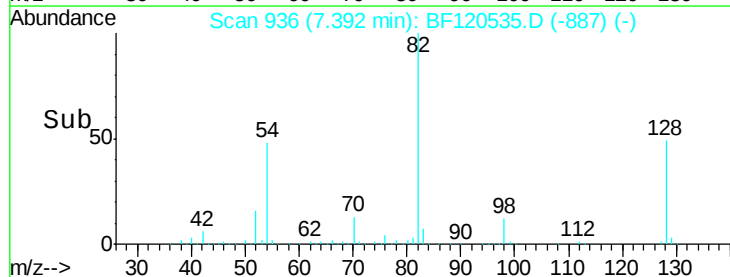


#23
Nitrobenzene-d5
Concen: 77.599 ng
RT: 7.39 min Scan# 936
Delta R.T. -0.01 min
Lab File: BF120535.D
Acq: 4 Jun 2020 16:01

Tgt Ion: 82	Resp: 787700
Ion Ratio	Lower Upper
82 100	
128 49.3	37.4 56.0
54 47.8	40.7 61.1



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: 38.456 ng

RT: 7.39 min Scan# 936

Delta R.T. -0.27 min

Lab File: BF120535.D

Acq: 4 Jun 2020 16:01

Instrument :

BNA_F

ClientSampleId :

NM31-COMP-2020-0-6

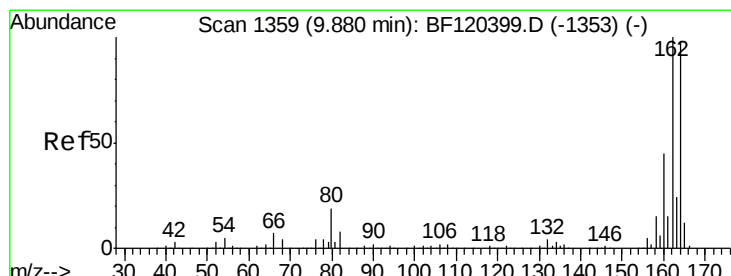
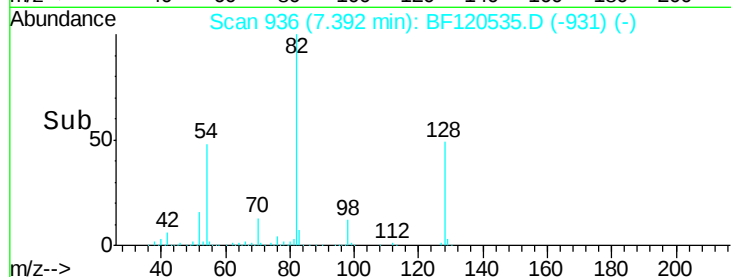
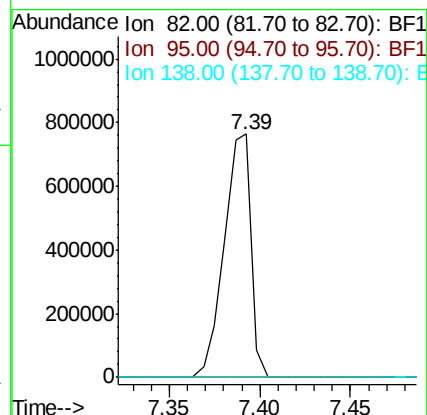
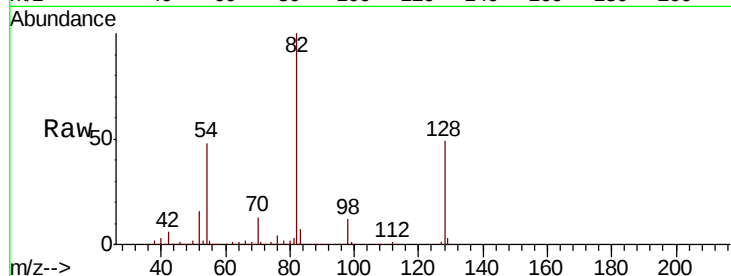
Tot Ion: 82 Resp: 784578

Ion Ratio Lower Upper

82 100

95 0.1 5.5 8.3#

138 0.0 15.0 22.6#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1356

Delta R.T. -0.02 min

Lab File: BF120535.D

Acq: 4 Jun 2020 16:01

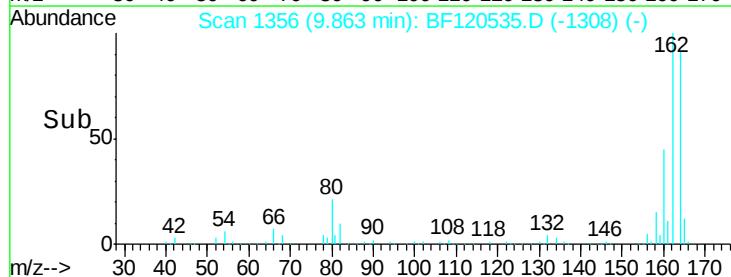
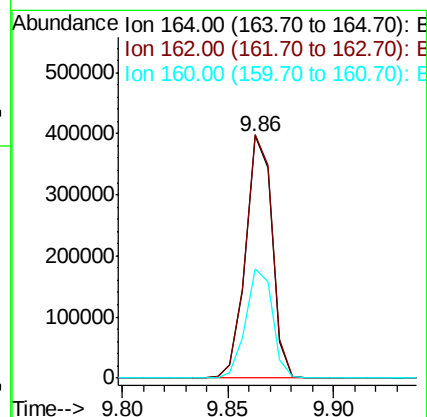
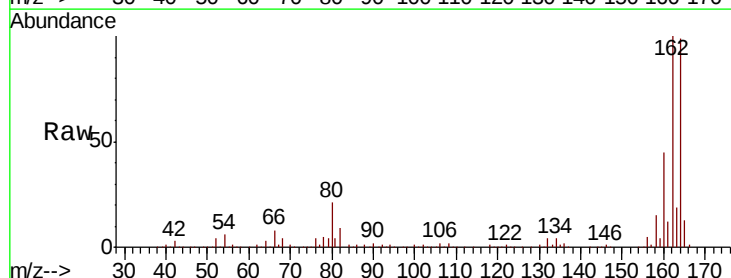
Tgt Ion: 164 Resp: 341381

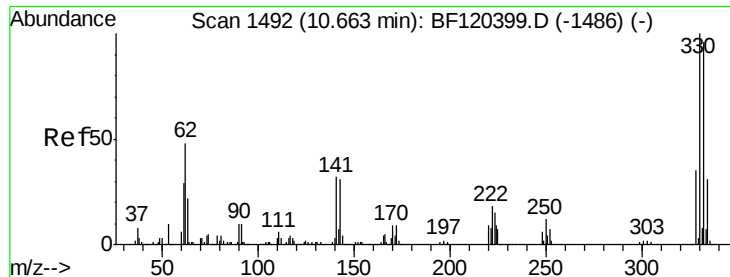
Ion Ratio Lower Upper

164 100

162 100.7 81.8 122.6

160 45.0 37.3 55.9

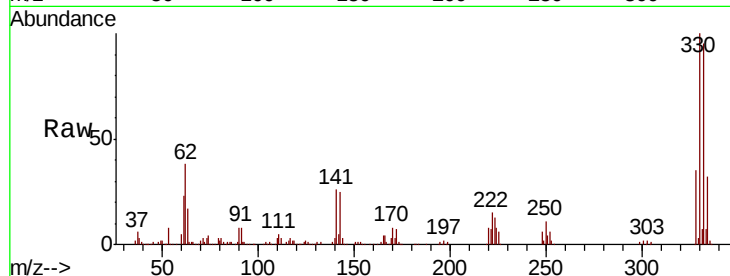




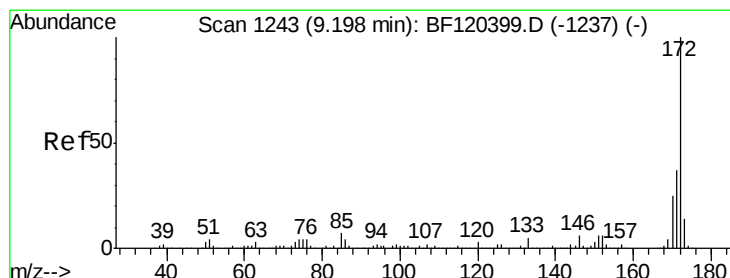
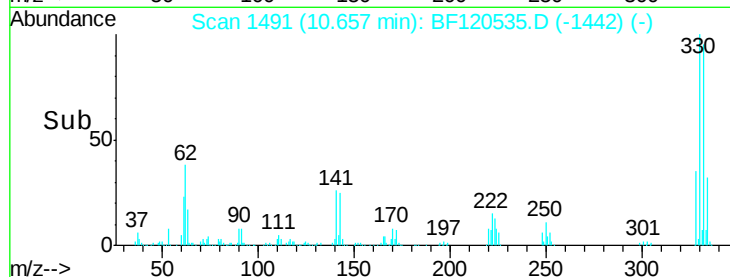
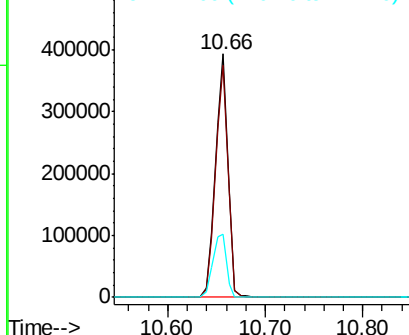
#42
 2,4,6-Tribromophenol
 Concen: 110.159 ng
 RT: 10.66 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: BF120535.D
 Acq: 4 Jun 2020 16:01

Instrument :
 BNA_F
 ClientSampleId :
 NM31-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.4	116.2
141	29.0	23.5	35.3

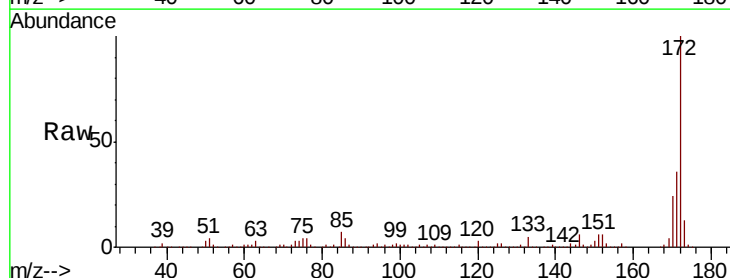


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

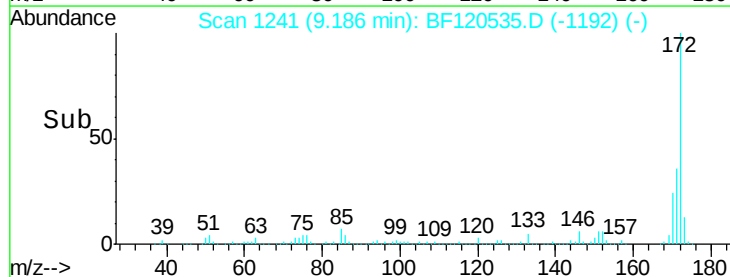
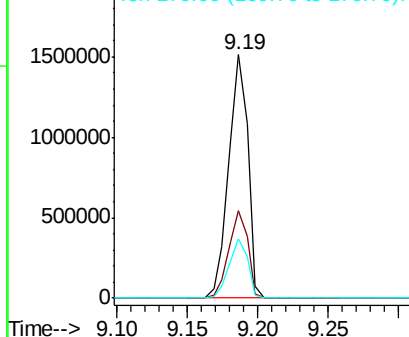


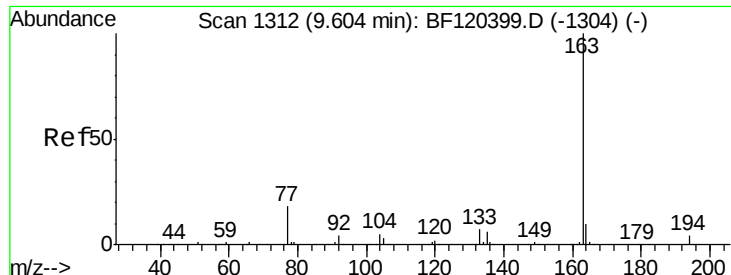
#45
 2-Fluorobiphenyl
 Concen: 71.569 ng
 RT: 9.19 min Scan# 1241
 Delta R.T. -0.01 min
 Lab File: BF120535.D
 Acq: 4 Jun 2020 16:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.2	43.8
170	24.2	20.1	30.1



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

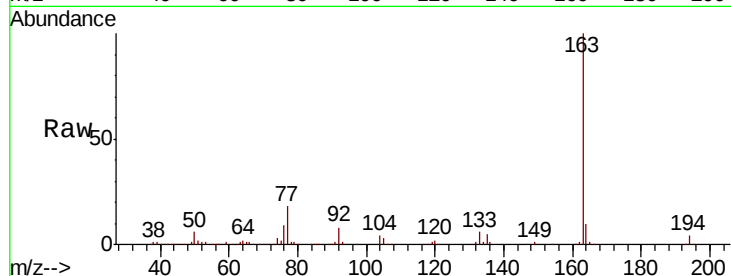




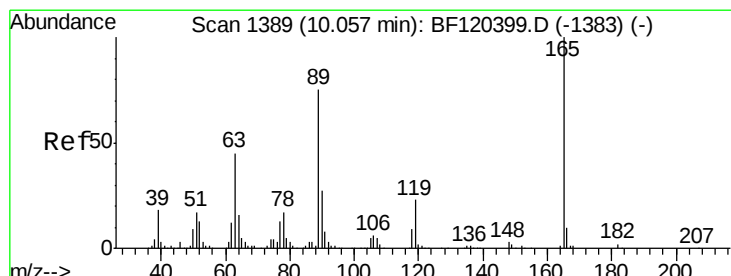
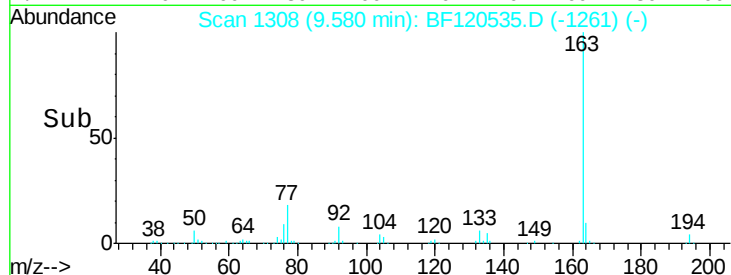
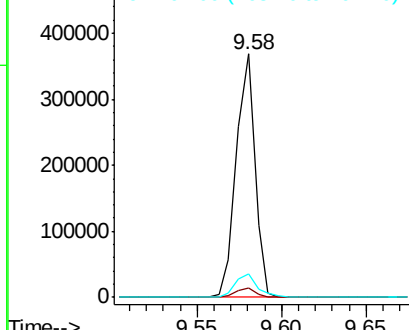
#50
Dimethylphthalate
Concen: 13.390 ng
RT: 9.58 min Scan# 1308
Delta R.T. -0.02 min
Lab File: BF120535.D
Acq: 4 Jun 2020 16:01

Instrument :
BNA_F
ClientSampleId :
NM31-COMP-2020-0-6

Tot Ion:163 Resp: 285776
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 9.7 8.2 12.4

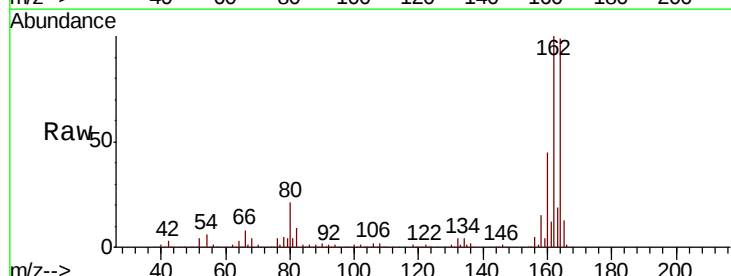


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

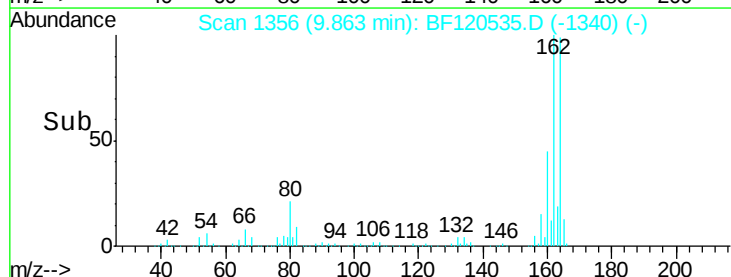
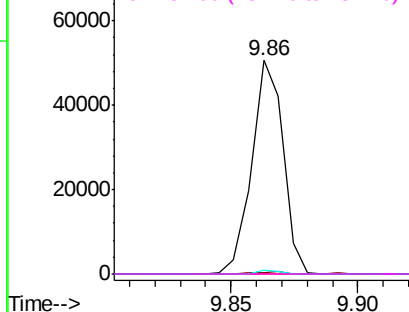


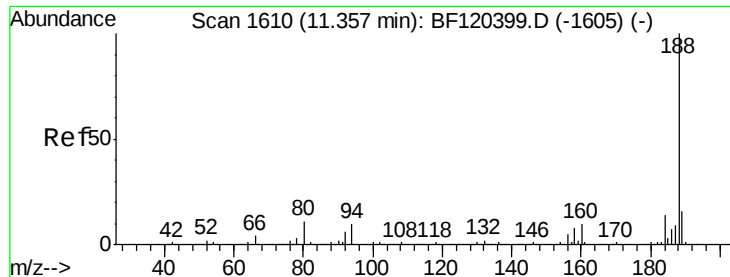
#57
2,4-Dinitrotoluene
Concen: 7.213 ng
RT: 9.86 min Scan# 1356
Delta R.T. -0.21 min
Lab File: BF120535.D
Acq: 4 Jun 2020 16:01

Tgt Ion:165 Resp: 43783
Ion Ratio Lower Upper
165 100
63 0.9 33.4 50.0#
89 1.6 54.7 82.1#
182 0.0 2.1 3.1#



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

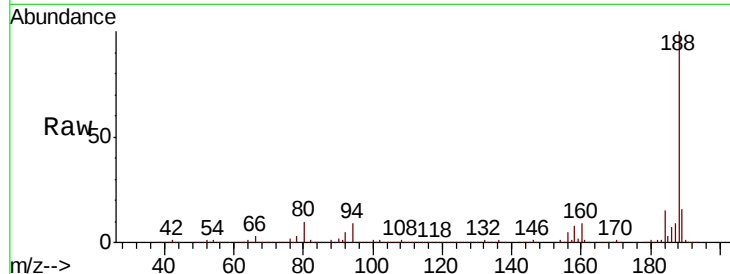




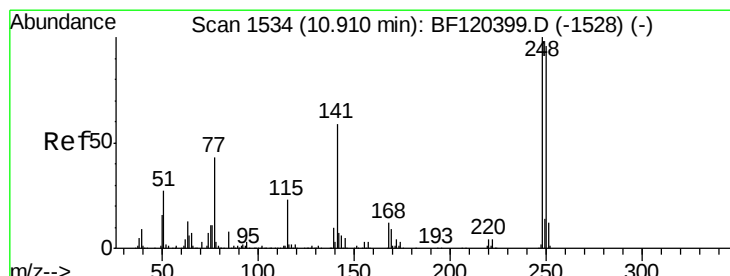
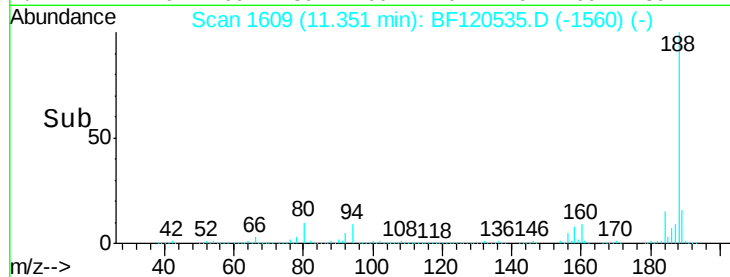
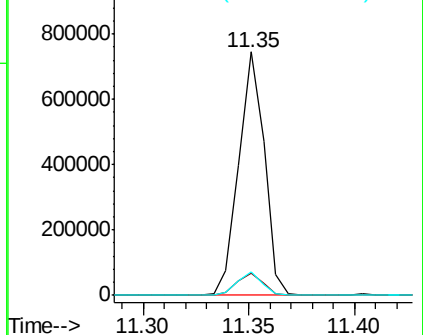
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1609
Delta R.T. -0.01 min
Lab File: BF120535.D
Acq: 4 Jun 2020 16:01

Instrument :
BNA_F
ClientSampleId :
NM31-COMP-2020-0-6

Tot Ion:188 Resp: 623791
Ion Ratio Lower Upper
188 100
94 9.3 7.5 11.3
80 9.7 7.9 11.9

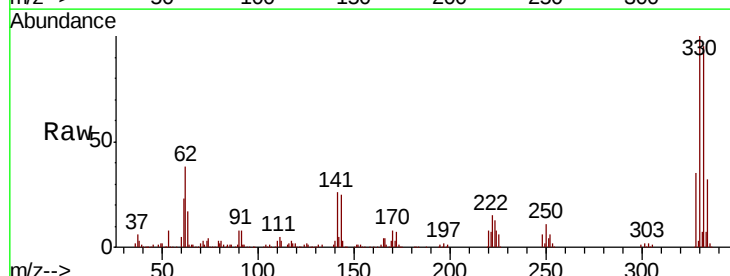


Abundance Ion 188.00 (187.70 to 188.70): E
1000000 Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

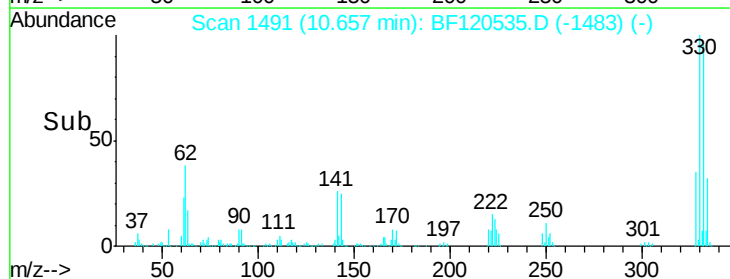
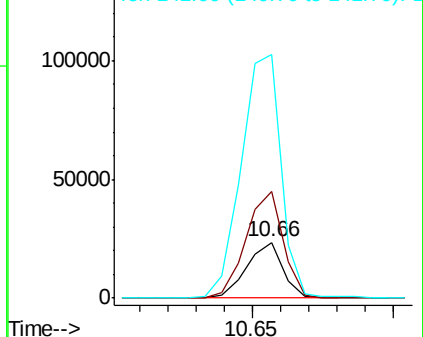


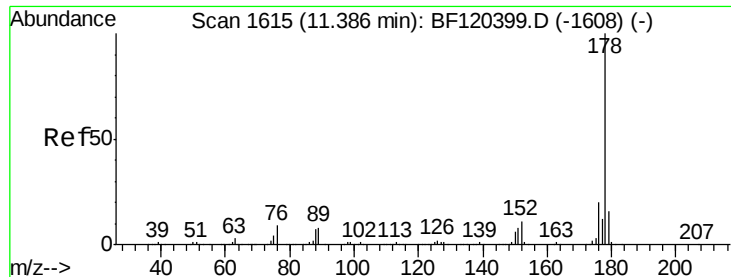
#67
4-Bromophenyl-phenylether
Concen: 3.274 ng
RT: 10.66 min Scan# 1491
Delta R.T. -0.25 min
Lab File: BF120535.D
Acq: 4 Jun 2020 16:01

Tgt Ion:248 Resp: 20615
Ion Ratio Lower Upper
248 100
250 192.3 78.0 117.0#
141 439.0 50.3 75.5#



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: 2.973 ng

RT: 11.37 min Scan# 1613

Delta R.T. -0.02 min

Lab File: BF120535.D

Acq: 4 Jun 2020 16:01

Instrument :

BNA_F

ClientSampleId :

NM31-COMP-2020-0-6

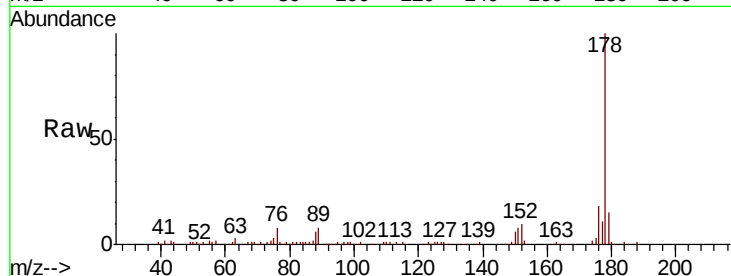
Tot Ion:178 Resp: 81703

Ion Ratio Lower Upper

178 100

176 17.9 16.6 24.8

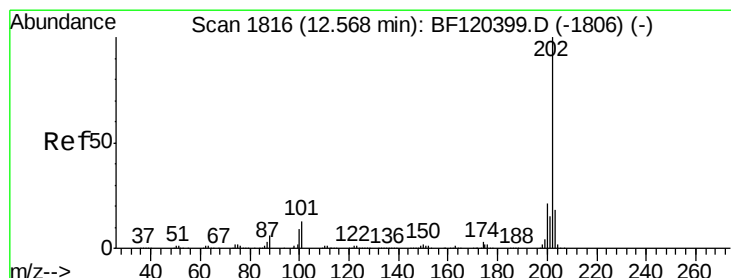
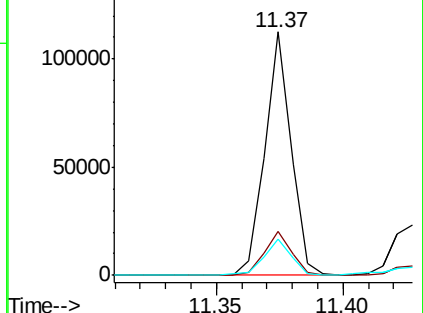
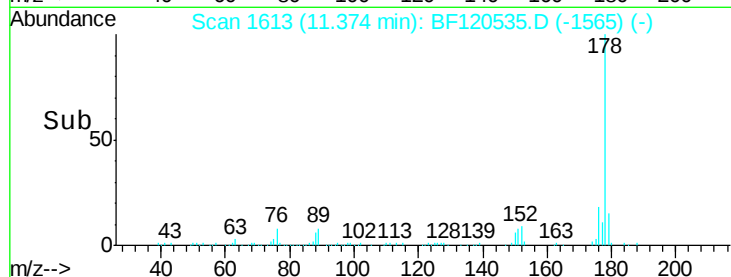
179 14.9 13.0 19.4



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: 5.966 ng

RT: 12.56 min Scan# 1815

Delta R.T. -0.02 min

Lab File: BF120535.D

Acq: 4 Jun 2020 16:01

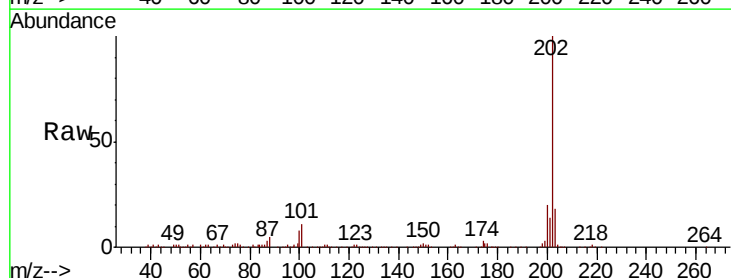
Tgt Ion:202 Resp: 176442

Ion Ratio Lower Upper

202 100

101 11.1 0.0 30.4

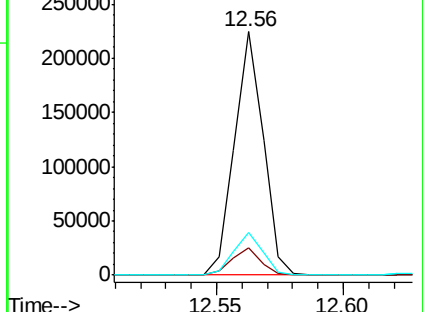
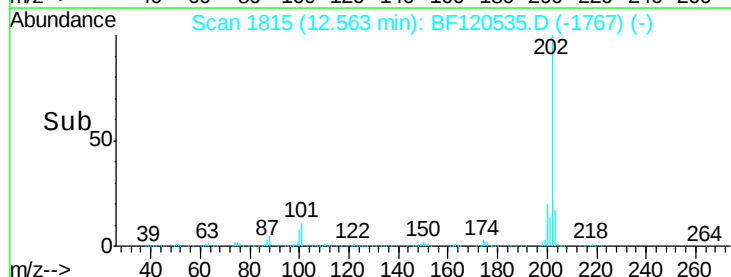
203 17.5 0.0 38.2

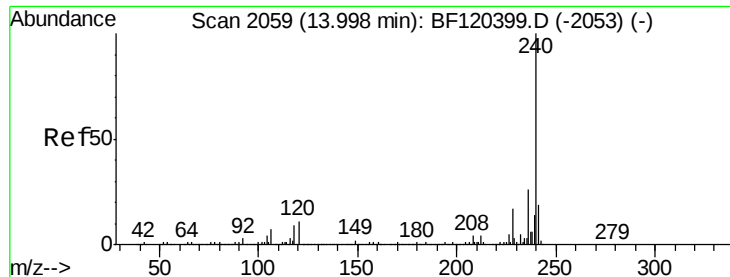


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

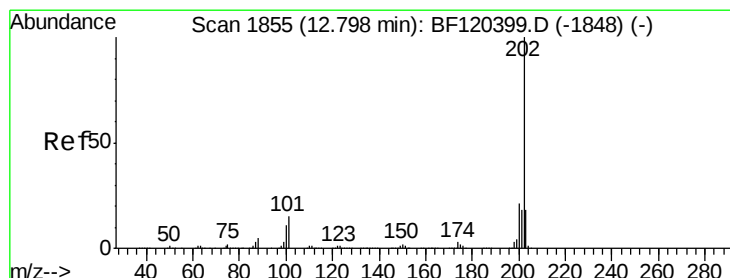
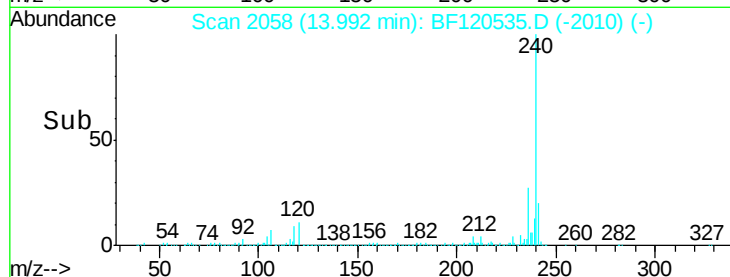
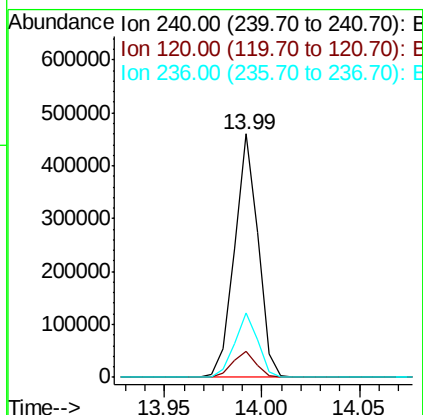
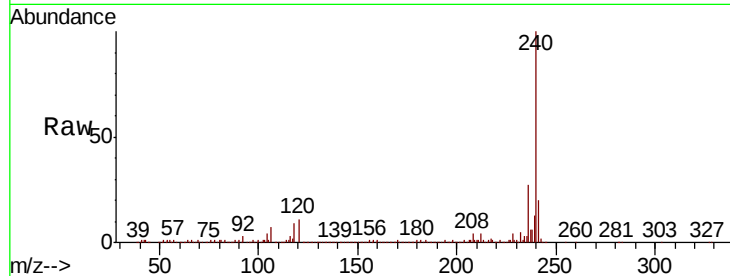




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2058
Delta R.T. -0.02 min
Lab File: BF120535.D
Acq: 4 Jun 2020 16:01

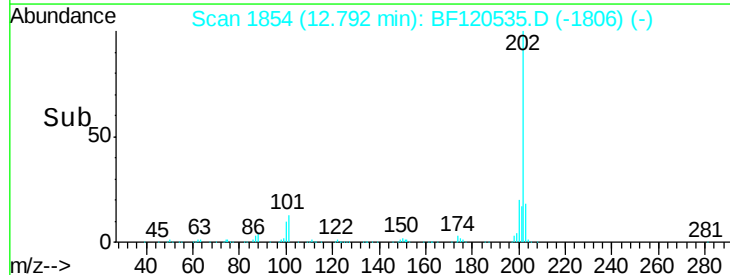
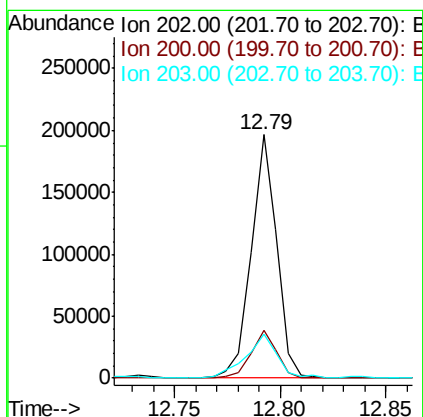
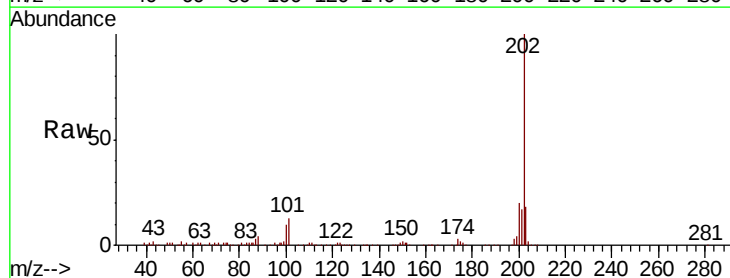
Instrument :
BNA_F
ClientSampleId :
NM31-COMP-2020-0-6

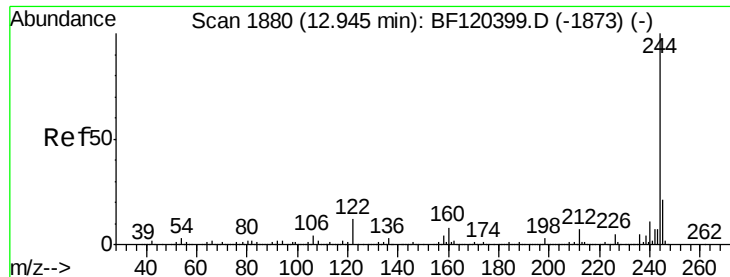
Tot Ion:240 Resp: 383379
Ion Ratio Lower Upper
240 100
120 10.8 7.9 11.9
236 26.5 21.1 31.7



#78
Pyrene
Concen: 6.227 ng
RT: 12.79 min Scan# 1854
Delta R.T. -0.02 min
Lab File: BF120535.D
Acq: 4 Jun 2020 16:01

Tgt Ion:202 Resp: 166024
Ion Ratio Lower Upper
202 100
200 19.7 17.3 25.9
203 17.8 14.5 21.7

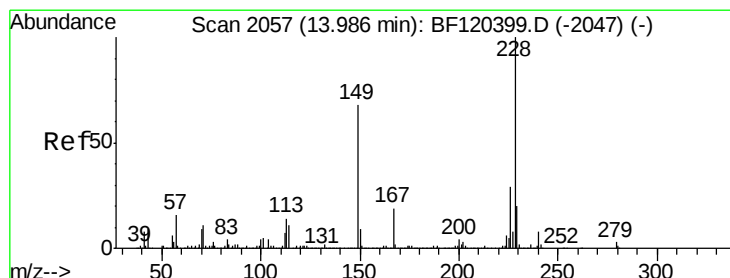
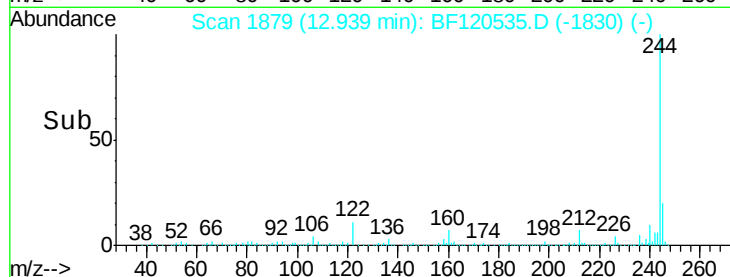
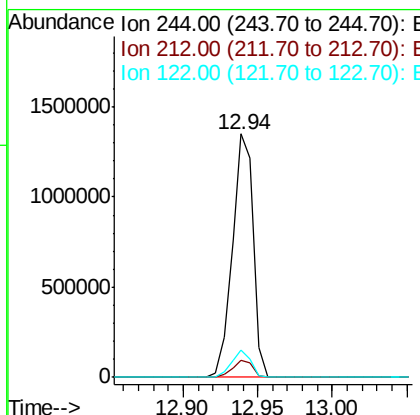
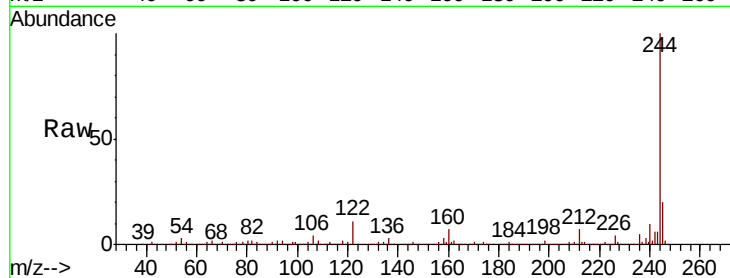




#79
 Terphenyl-d14
 Concen: 76.753 ng
 RT: 12.94 min Scan# 1879
 Delta R.T. -0.01 min
 Lab File: BF120535.D
 Acq: 4 Jun 2020 16:01

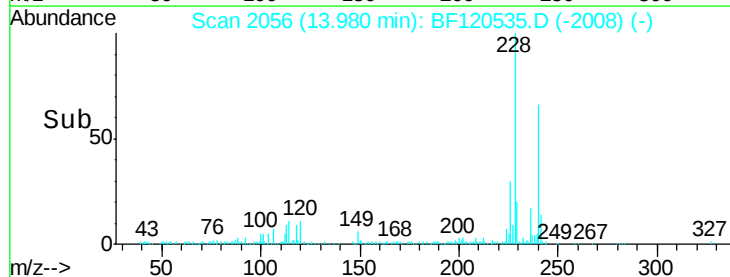
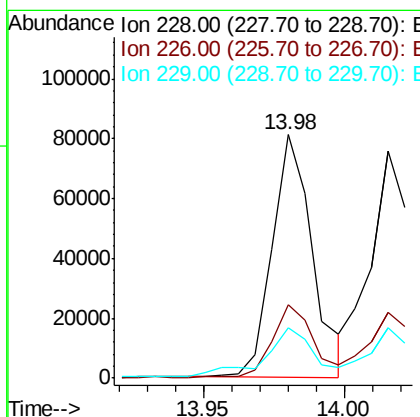
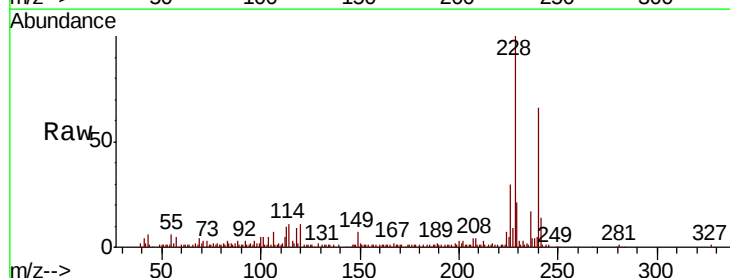
Instrument :
 BNA_F
 ClientSampleId :
 NM31-COMP-2020-0-6

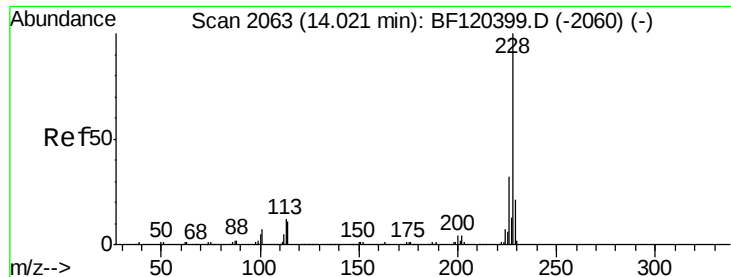
Tot Ion:244 Resp: 1322361
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.8
 122 11.3 8.2 12.4



#81
 Benzo(a)anthracene
 Concen: 3.892 ng
 RT: 13.98 min Scan# 2056
 Delta R.T. -0.02 min
 Lab File: BF120535.D
 Acq: 4 Jun 2020 16:01

Tgt Ion:228 Resp: 79969
 Ion Ratio Lower Upper
 228 100
 226 30.0 22.7 34.1
 229 20.6 16.3 24.5

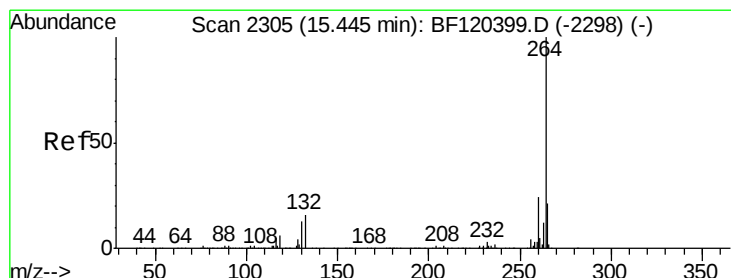
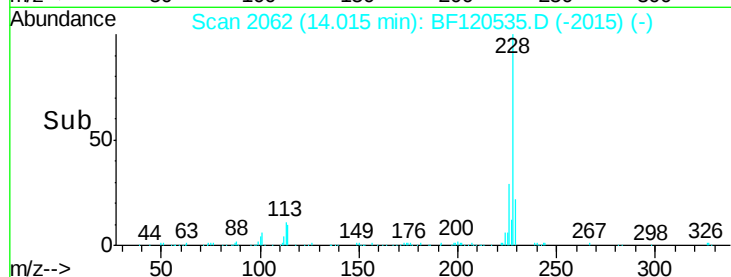
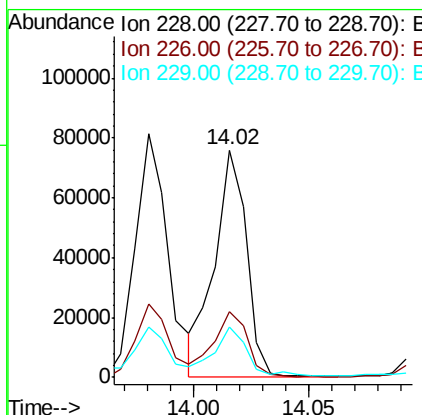
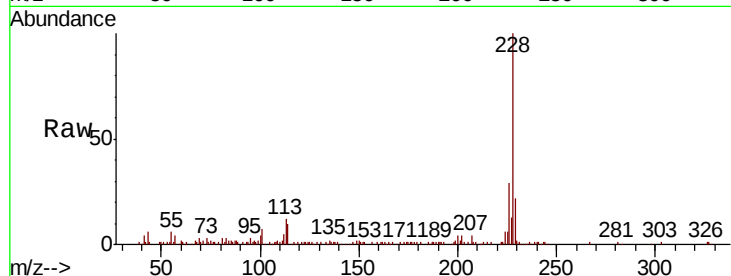




#83
Chrysene
Concen: 3.369 ng
RT: 14.02 min Scan# 2062
Delta R.T. -0.02 min
Lab File: BF120535.D
Acq: 4 Jun 2020 16:01

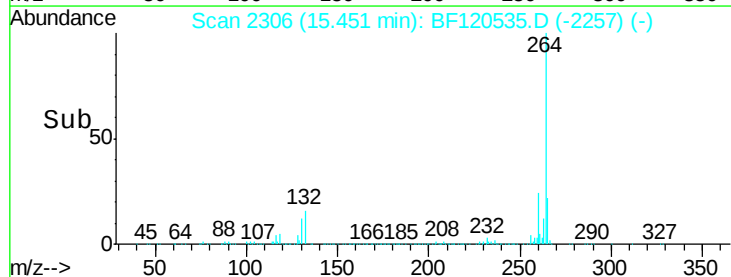
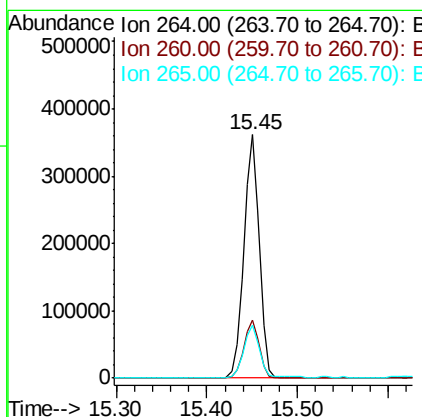
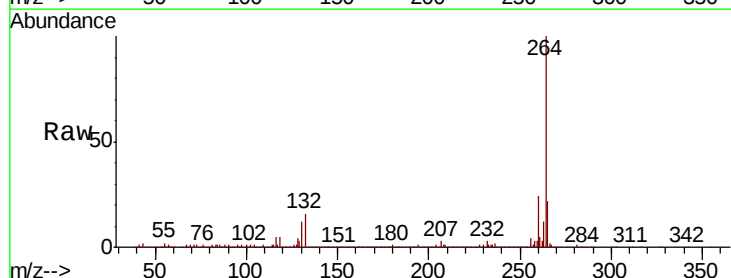
Instrument :
BNA_F
ClientSampleId :
NM31-COMP-2020-0-6

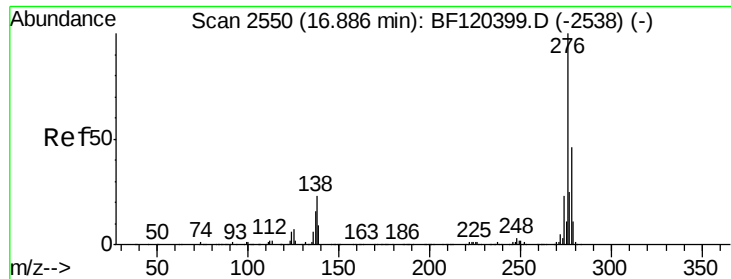
Tot Ion:228 Resp: 72569
Ion Ratio Lower Upper
228 100
226 28.9 25.2 37.8
229 22.2 16.1 24.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2306
Delta R.T. -0.01 min
Lab File: BF120535.D
Acq: 4 Jun 2020 16:01

Tgt Ion:264 Resp: 428251
Ion Ratio Lower Upper
264 100
260 24.0 19.8 29.8
265 21.9 17.5 26.3

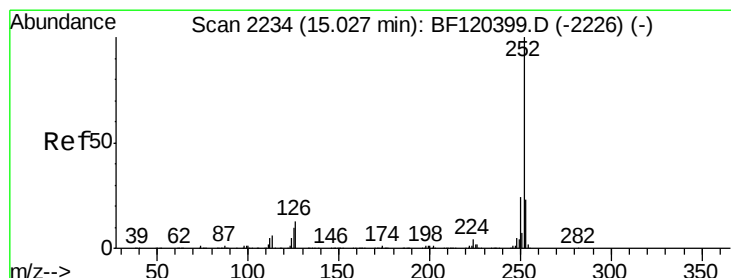
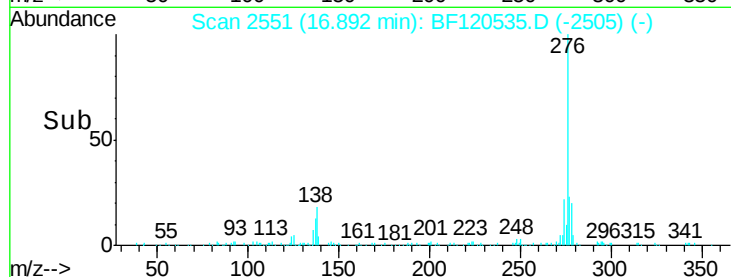
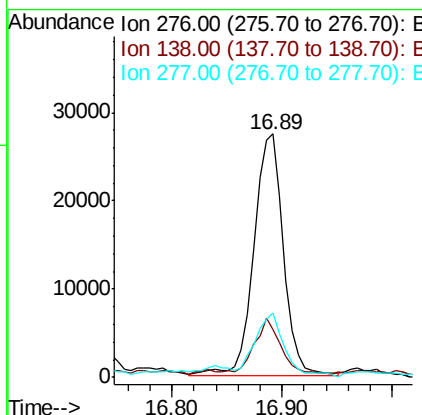
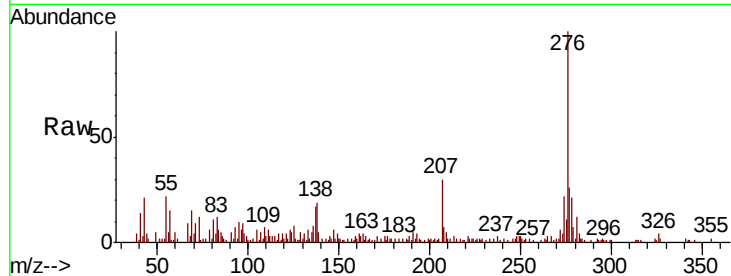




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.208 ng
 RT: 16.89 min Scan# 2551
 Delta R.T. -0.03 min
 Lab File: BF120535.D
 Acq: 4 Jun 2020 16:01

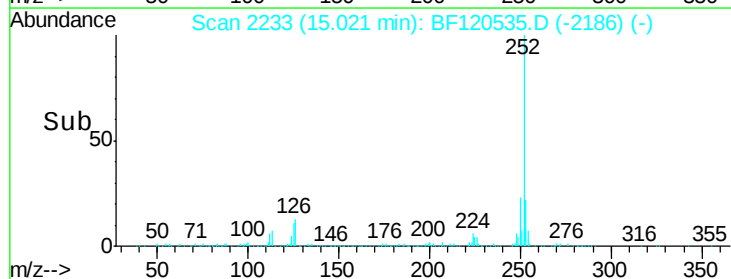
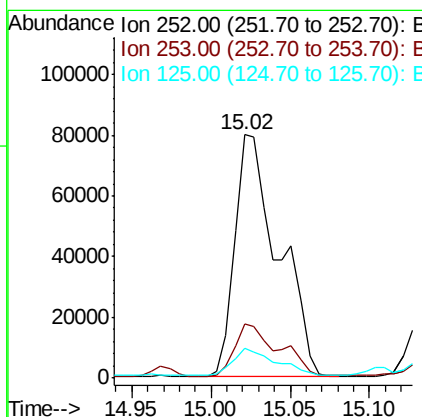
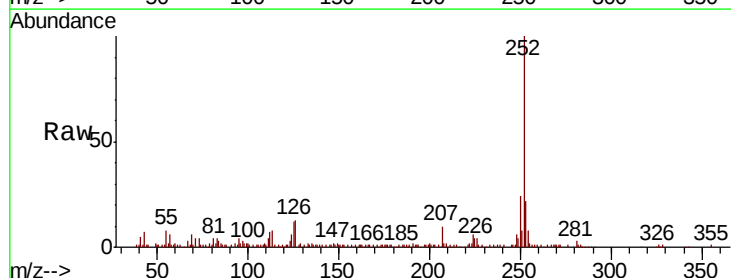
Instrument :
 BNA_F
 ClientSampleId :
 NM31-COMP-2020-0-6

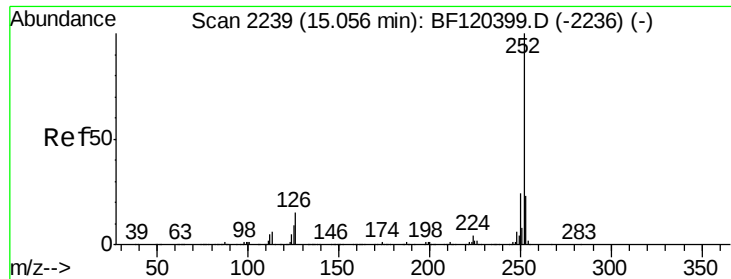
Tot Ion	Ratio	Lower	Upper
276	100		
138	20.2	19.2	28.8
277	26.9	20.4	30.6



#88
 Benzo(b)fluoranthene
 Concen: 6.384 ng
 RT: 15.02 min Scan# 2233
 Delta R.T. -0.02 min
 Lab File: BF120535.D
 Acq: 4 Jun 2020 16:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.2
125	12.3	7.6	11.4

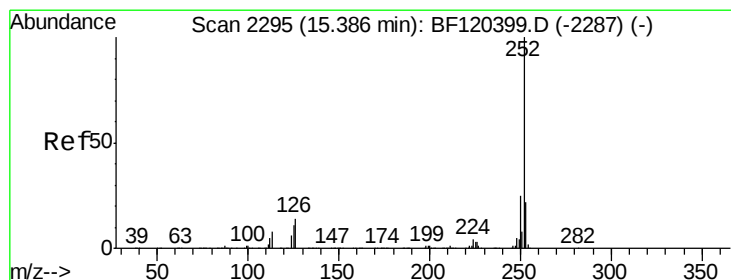
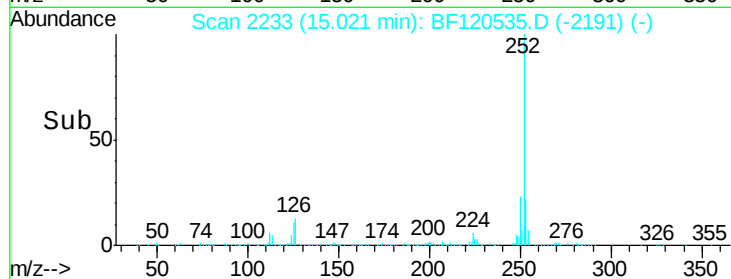
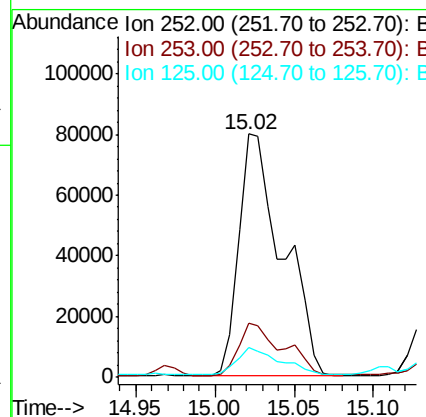
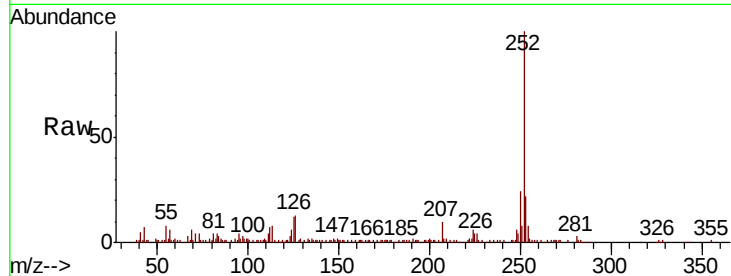




#89
Benzo(k)fluoranthene
Concen: 6.839 ng
RT: 15.02 min Scan# 2233
Delta R.T. -0.05 min
Lab File: BF120535.D
Acq: 4 Jun 2020 16:01

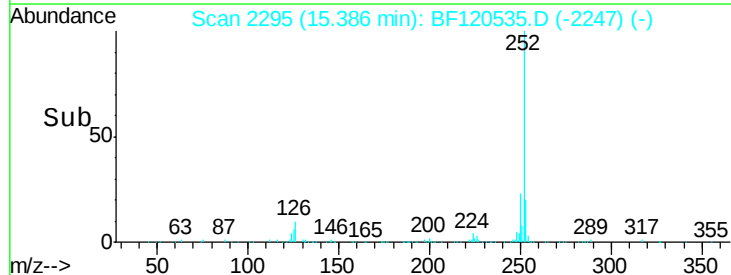
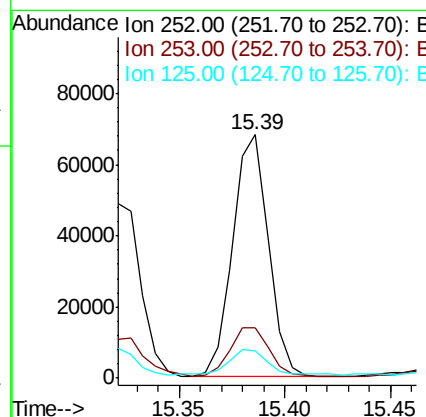
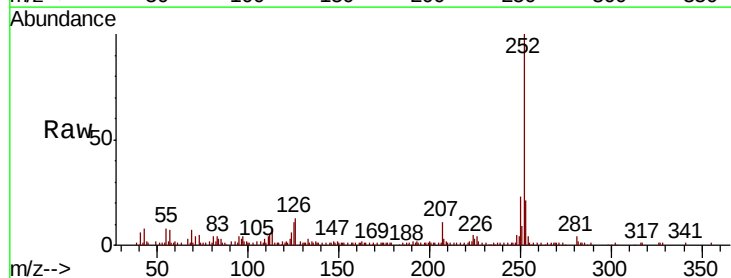
Instrument :
BNA_F
ClientSampleId :
NM31-COMP-2020-0-6

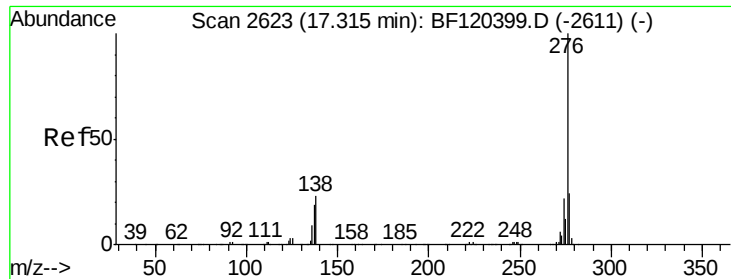
Tot Ion:252 Resp: 151856
Ion Ratio Lower Upper
252 100
253 22.3 17.6 26.4
125 12.3 7.5 11.3#



#90
Benzo(a)pyrene
Concen: 3.836 ng
RT: 15.39 min Scan# 2295
Delta R.T. -0.02 min
Lab File: BF120535.D
Acq: 4 Jun 2020 16:01

Tgt Ion:252 Resp: 79821
Ion Ratio Lower Upper
252 100
253 20.9 18.0 27.0
125 11.1 9.2 13.8

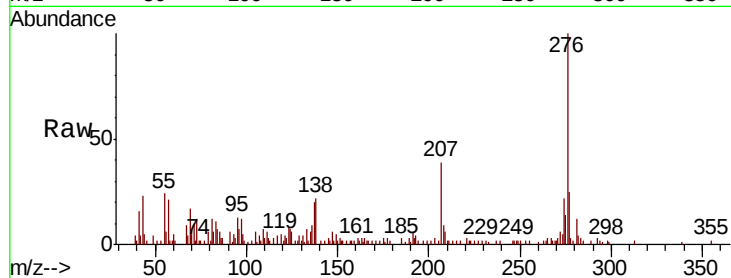




#92
 Benzo(a,h,i)perylene
 Concen: 2.349 ng
 RT: 17.33 min Scan# 2625
 Delta R.T. -0.04 min
 Lab File: BF120535.D
 Acq: 4 Jun 2020 16:01

Instrument :
 BNA_F
 ClientSampleId :
 NM31-COMP-2020-0-6

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	24.8	19.4	29.2	
138	22.0	16.6	25.0	



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

