

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
 Data File : BF120539.D
 Acq On : 4 Jun 2020 17:52
 Operator : JU/CG
 Sample : L2839-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM12-COMP-2020-0-6

Quant Time: Jun 04 18:52:25 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	152089	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	570332	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	357625	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	627344	20.00	ng	0.00
76) Chrysene-d12	13.99	240	448280	20.00	ng	-0.01
86) Perylene-d12	15.45	264	435696	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	731512	91.66	ng	0.00
7) Phenol-d6	6.46	99	840309	85.43	ng	0.00
23) Nitrobenzene-d5	7.39	82	599846	68.80	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	294699	88.94	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1174298	55.71	ng	0.00
79) Terphenyl-d14	12.94	244	1236945	61.40	ng	0.00

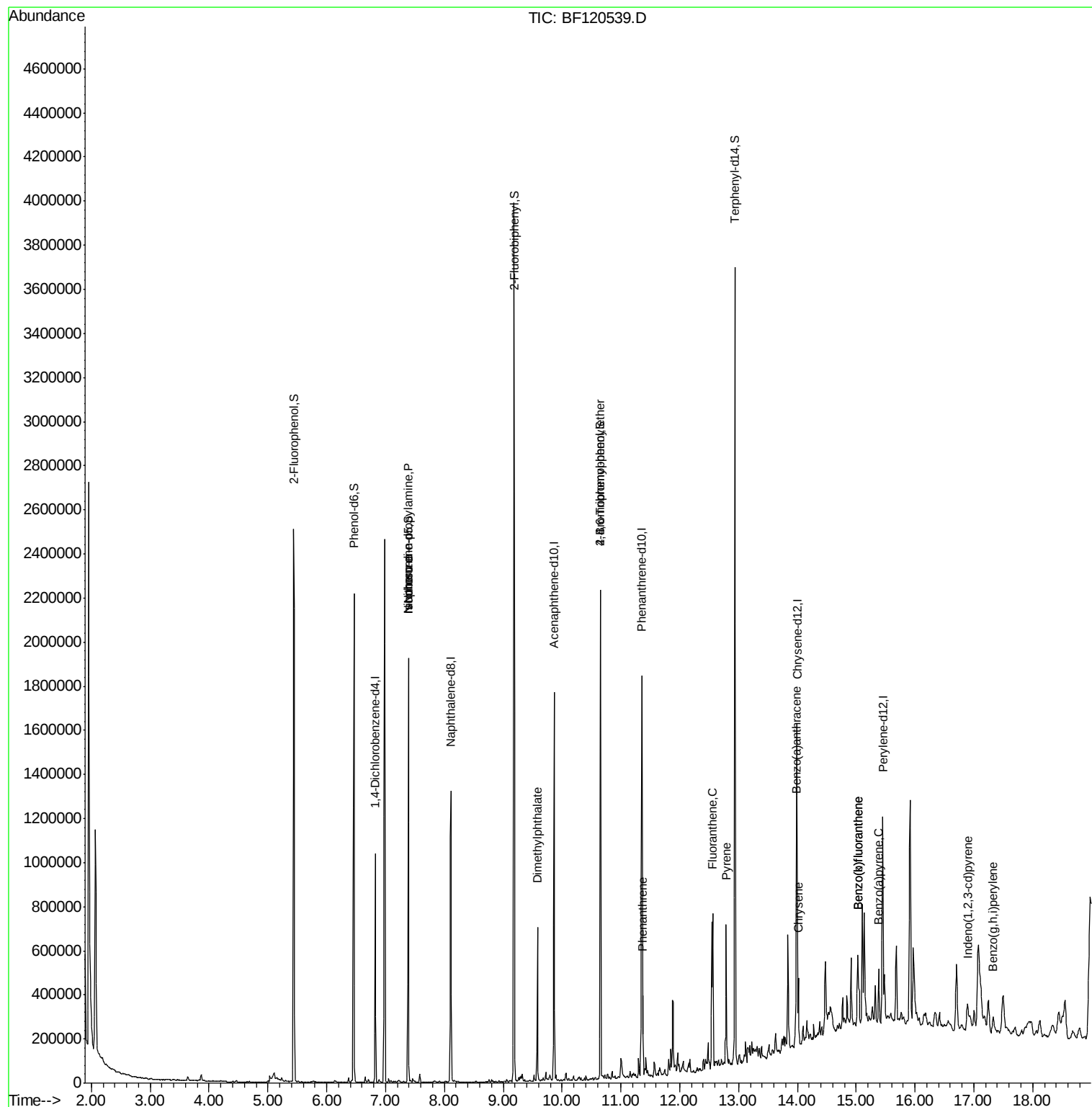
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	80113	12.812	ng	# 77
25) Isophorone	7.39	82	594839	33.945	ng	# 63
50) Dimethylphthalate	9.58	163	261388	11.691	ng	100
67) 4-Bromophenyl-phenylether	10.66	248	17210	2.718	ng	# 1
71) Phenanthrene	11.37	178	109322	3.955	ng	99
75) Fluoranthene	12.56	202	259842	8.736	ng	98
78) Pyrene	12.79	202	242306	7.772	ng	99
81) Benzo(a)anthracene	13.98	228	134823	5.612	ng	95
83) Chrysene	14.02	228	122001	4.844	ng	95
87) Indeno(1,2,3-cd)pyrene	16.89	276	71807	3.013	ng	95
88) Benzo(b)fluoranthene	15.03	252	235241	9.721	ng	99
89) Benzo(k)fluoranthene	15.03	252	235241	10.413	ng	99
90) Benzo(a)pyrene	15.39	252	118269	5.587	ng	99
92) Benzo(a,h,i)perylene	17.33	276	65737	3.431	ng	96

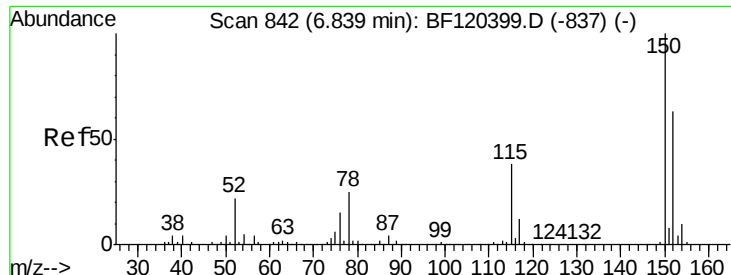
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF120539.D

Acq: 4 Jun 2020 17:52

Instrument :

BNA_F

ClientSampleId :

NM12-COMP-2020-0-6

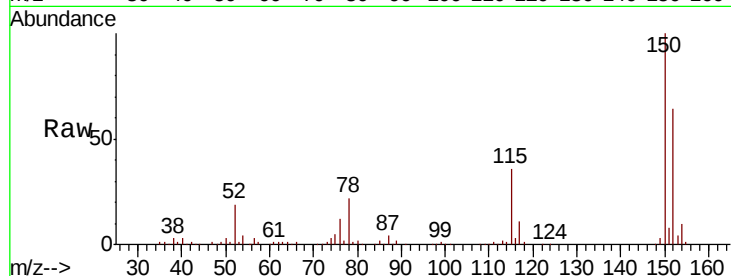
Tot Ion:152 Resp: 152089

Ion Ratio Lower Upper

152 100

150 155.8 126.3 189.5

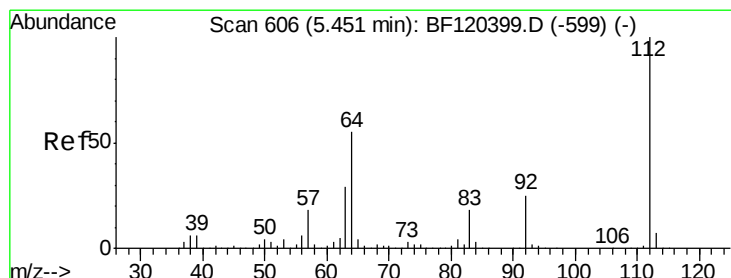
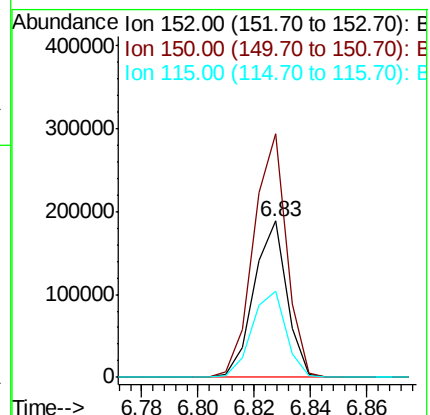
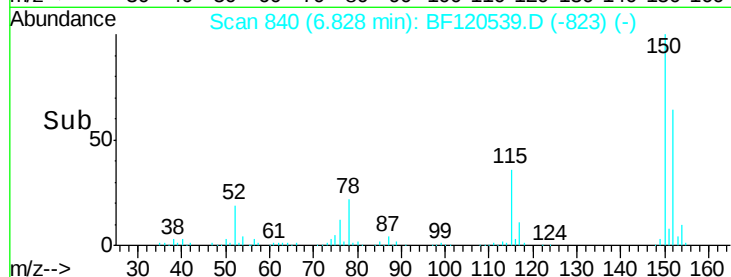
115 55.5 48.1 72.1



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: 91.662 ng

RT: 5.44 min Scan# 604

Delta R.T. -0.01 min

Lab File: BF120539.D

Acq: 4 Jun 2020 17:52

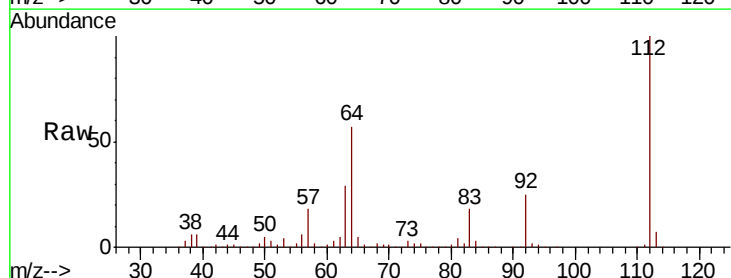
Tgt Ion:112 Resp: 731512

Ion Ratio Lower Upper

112 100

64 57.3 47.2 70.8

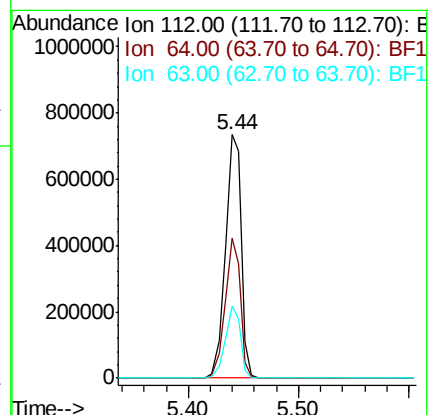
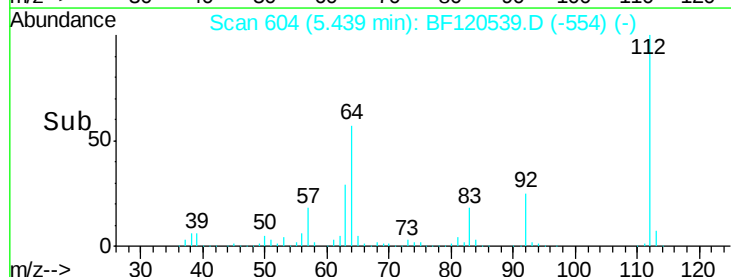
63 29.4 24.7 37.1



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: 85.427 ng

RT: 6.46 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF120539.D

Acq: 4 Jun 2020 17:52

Instrument :

BNA_F

ClientSampleId :

NM12-COMP-2020-0-6

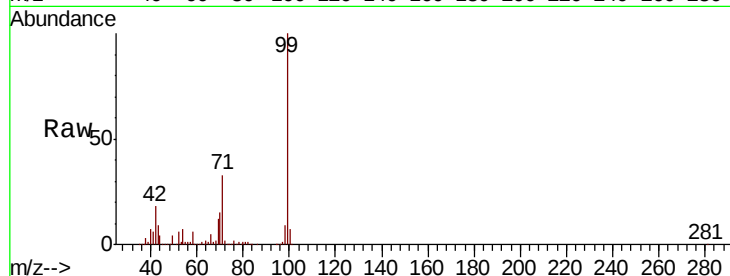
Tot Ion: 99 Resp: 840309

Ion Ratio Lower Upper

99 100

42 17.6 15.0 22.6

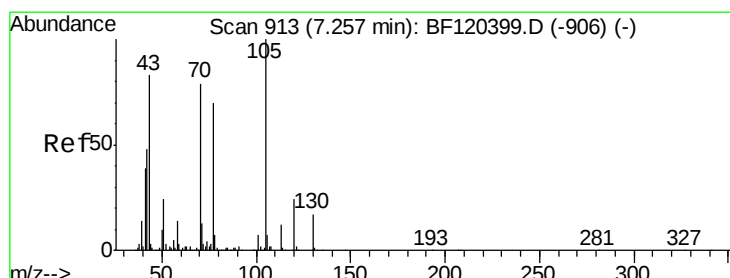
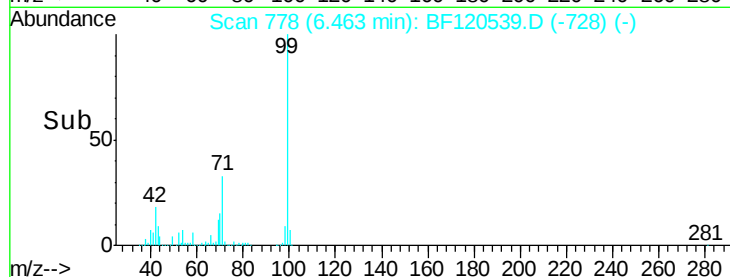
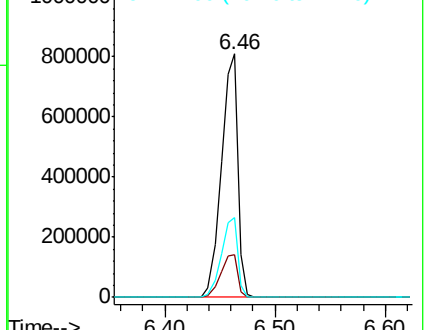
71 32.8 27.0 40.4



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: 12.812 ng

RT: 7.39 min Scan# 935

Delta R.T. 0.14 min

Lab File: BF120539.D

Acq: 4 Jun 2020 17:52

Tgt Ion: 70 Resp: 80113

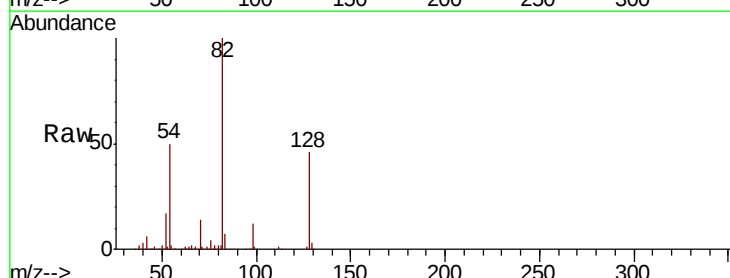
Ion Ratio Lower Upper

70 100

42 47.4 47.0 70.4

101 0.0 7.8 11.8#

130 2.3 17.9 26.9#

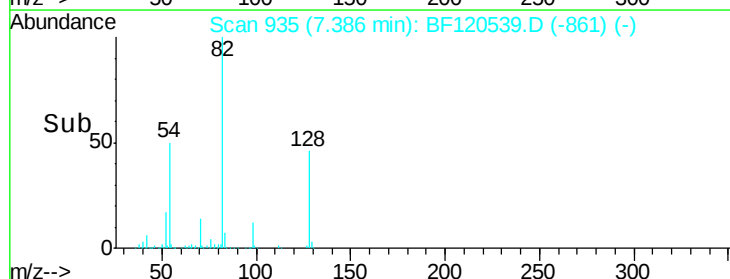
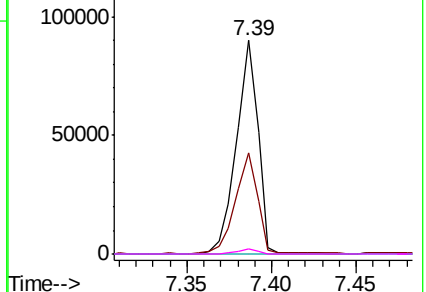


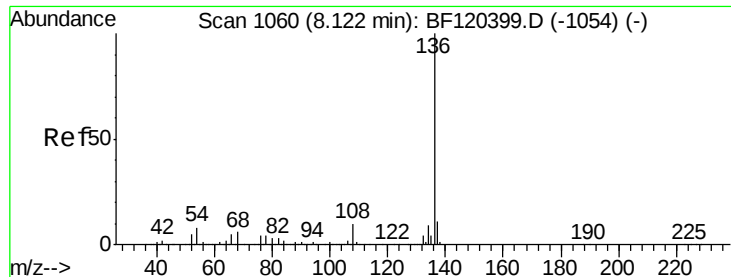
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.11 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BF120539.D

Acq: 4 Jun 2020 17:52

Instrument :

BNA_F

ClientSampleId :

NM12-COMP-2020-0-6

Tot Ion:136 Resp: 570332

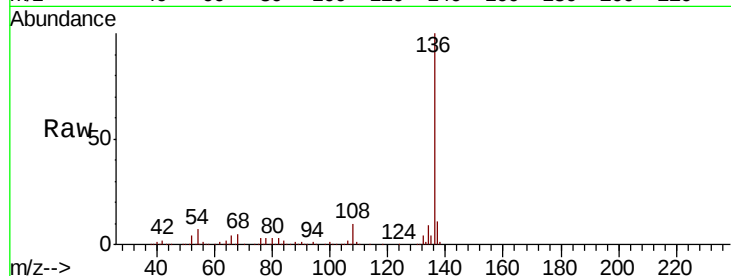
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 6.9 5.4 8.0

68 5.2 4.3 6.5

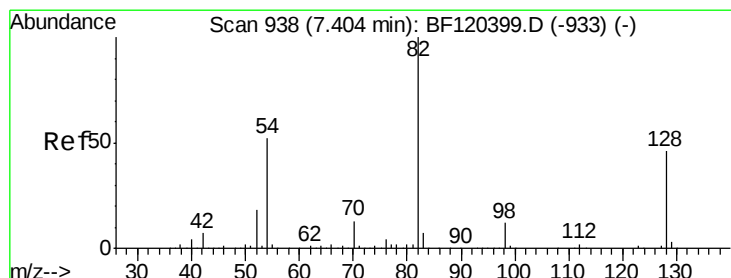
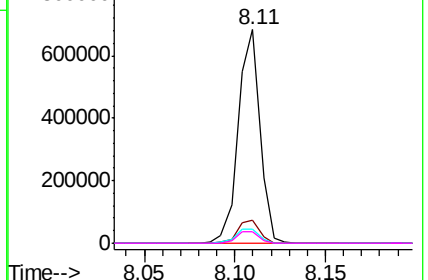
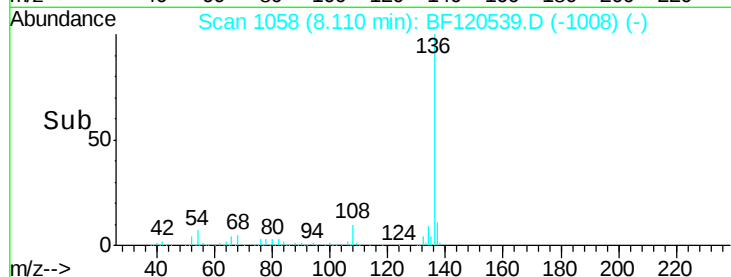


Abundance Ion 136.00 (135.70 to 136.70): E

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: 68.798 ng

RT: 7.39 min Scan# 935

Delta R.T. -0.01 min

Lab File: BF120539.D

Acq: 4 Jun 2020 17:52

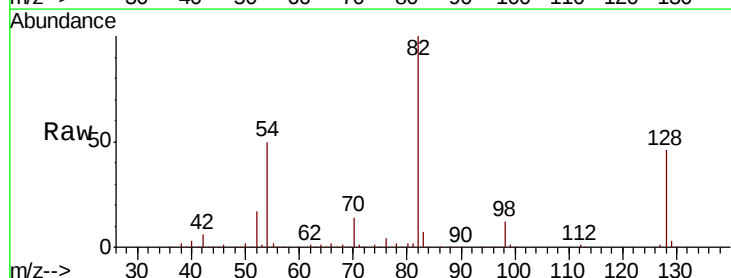
Tgt Ion: 82 Resp: 599846

Ion Ratio Lower Upper

82 100

128 46.4 36.7 55.1

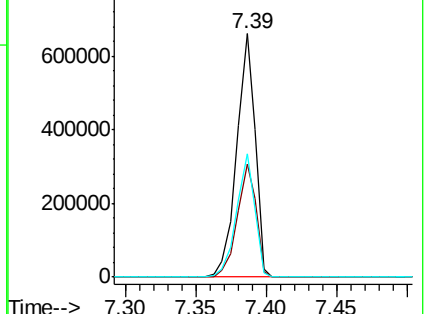
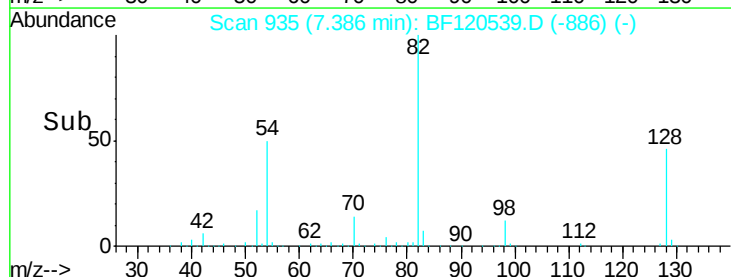
54 50.4 40.0 60.0



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: 33.945 ng

RT: 7.39 min Scan# 935

Delta R.T. -0.27 min

Lab File: BF120539.D

Acq: 4 Jun 2020 17:52

Instrument :

BNA_F

ClientSampleId :

NM12-COMP-2020-0-6

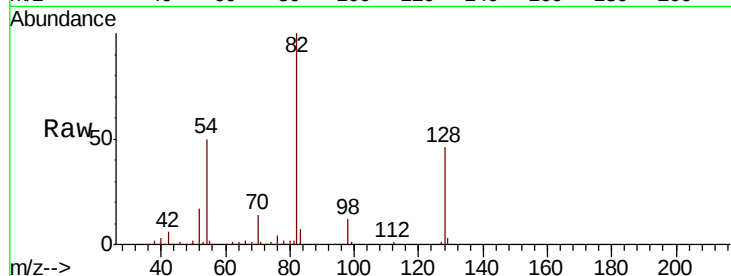
Tot Ion: 82 Resp: 594839

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

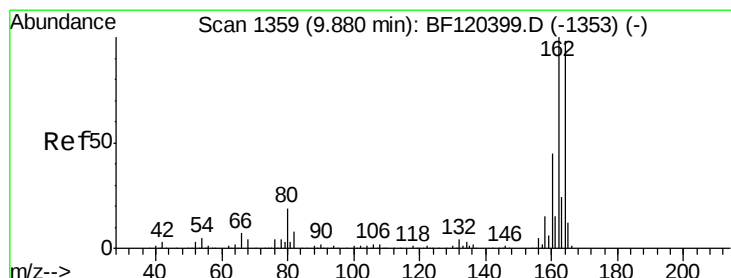
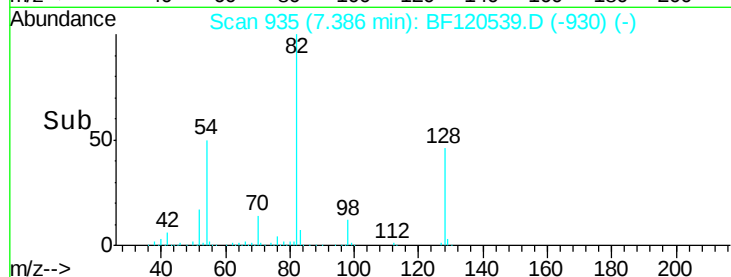
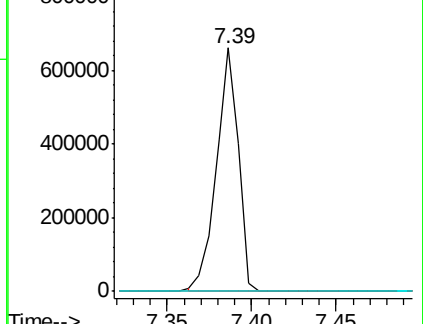
138 0.0 15.6 23.4#



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: BF120539.D

Acq: 4 Jun 2020 17:52

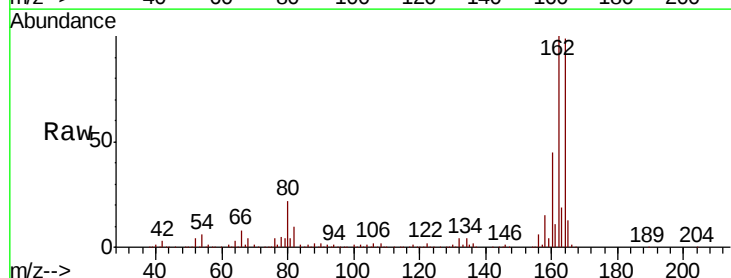
Tgt Ion: 164 Resp: 357625

Ion Ratio Lower Upper

164 100

162 101.0 81.2 121.8

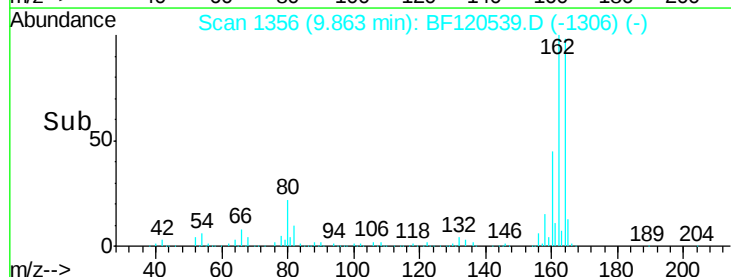
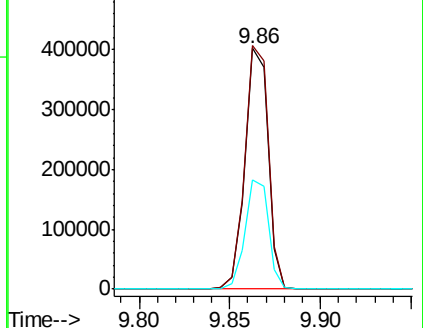
160 45.5 37.0 55.4

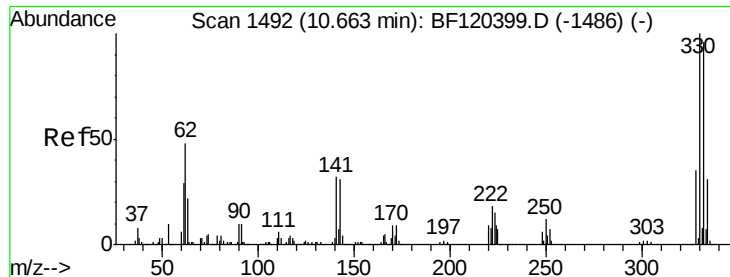


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

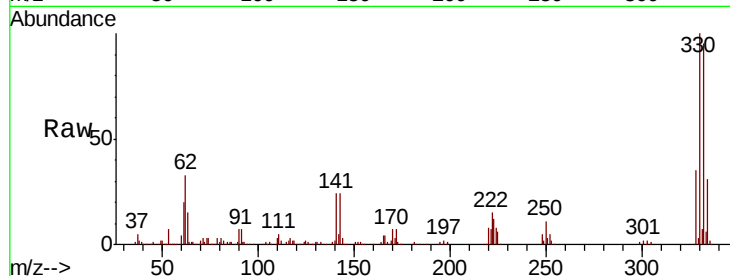




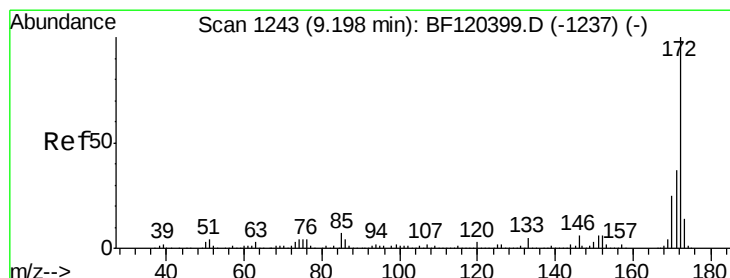
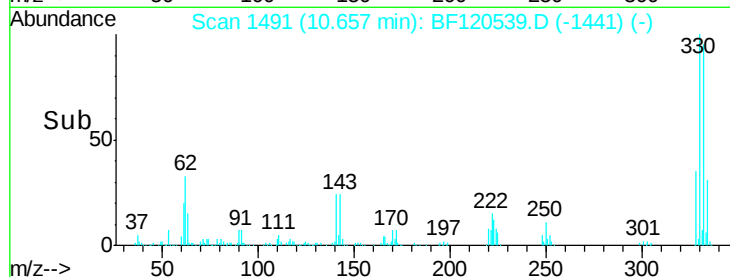
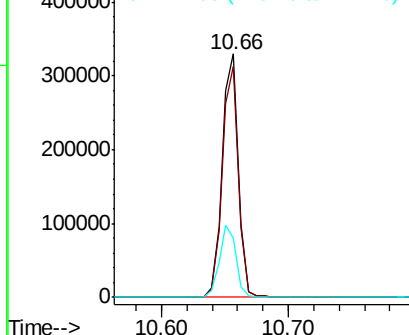
#42
 2,4,6-Tribromophenol
 Concen: 88.937 ng
 RT: 10.66 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: BF120539.D
 Acq: 4 Jun 2020 17:52

Instrument :
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 NM12-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.4	77.0	115.4
141	30.4	23.8	35.8

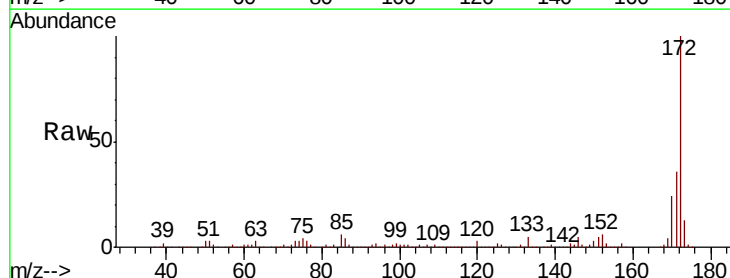


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

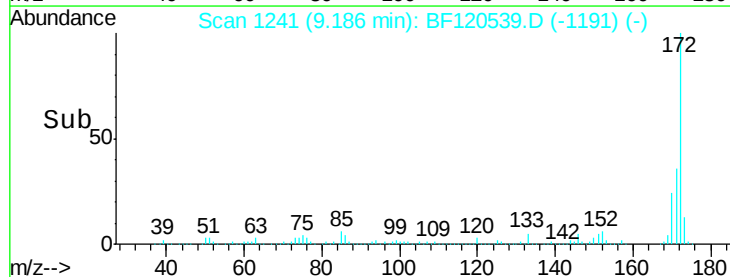
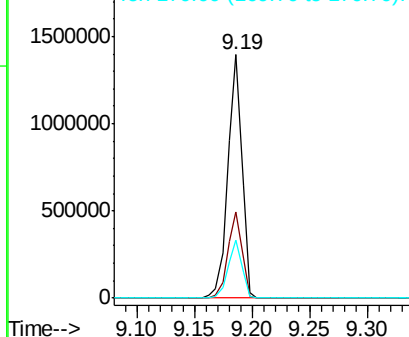


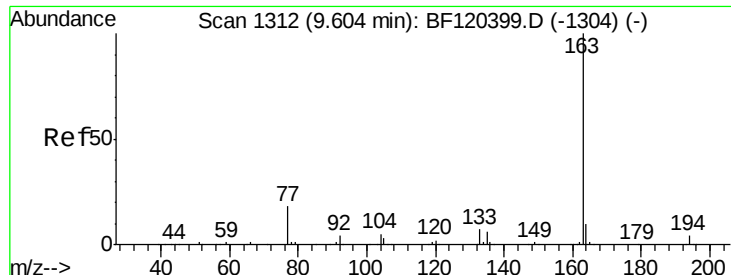
#45
 2-Fluorobiphenyl
 Concen: 55.713 ng
 RT: 9.19 min Scan# 1241
 Delta R.T. -0.01 min
 Lab File: BF120539.D
 Acq: 4 Jun 2020 17:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.5	44.3
170	23.8	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

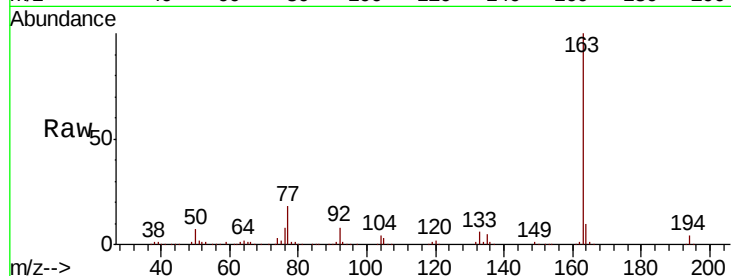




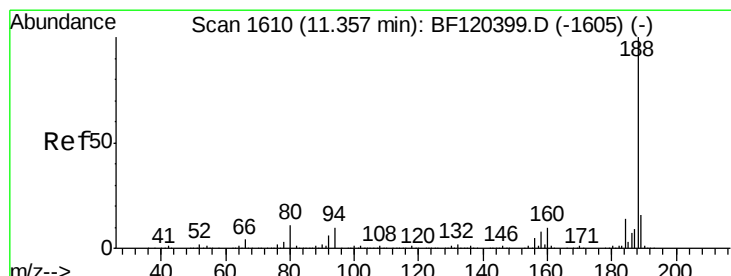
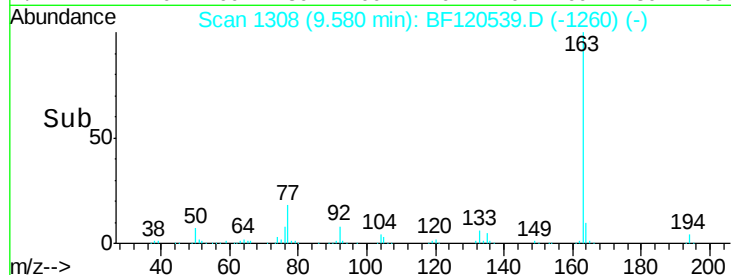
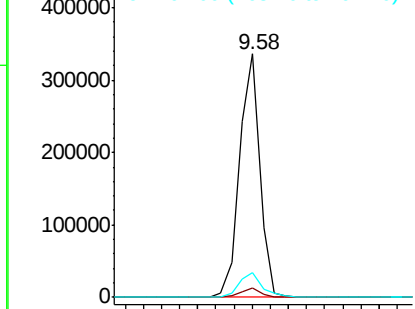
#50
Dimethylphthalate
Concen: 11.691 ng
RT: 9.58 min Scan# 1308
Delta R.T. -0.02 min
Lab File: BF120539.D
Acq: 4 Jun 2020 17:52

Instrument :
BNA_F
ClientSampleId :
NM12-COMP-2020-0-6

Tot Ion:163 Resp: 261388
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 10.0 8.0 12.0

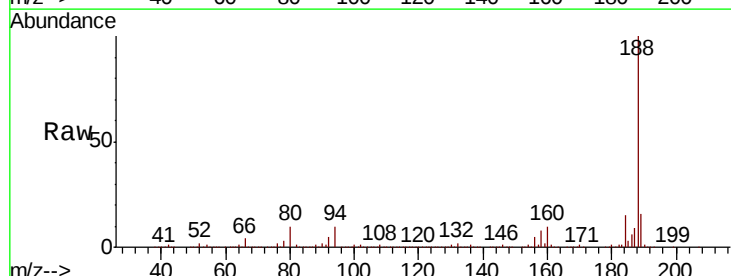


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

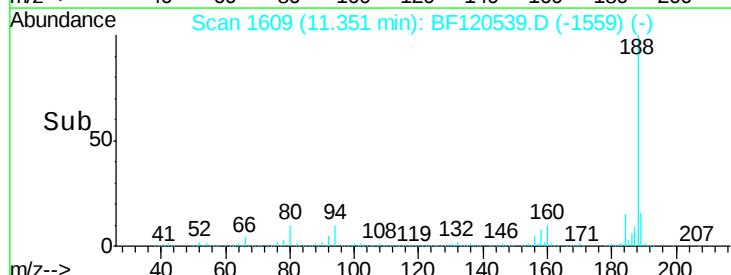
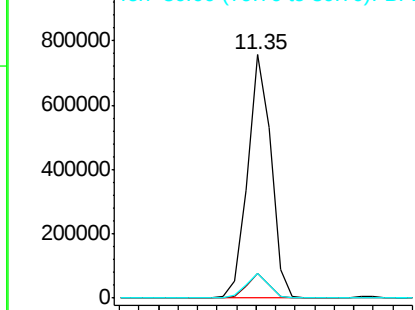


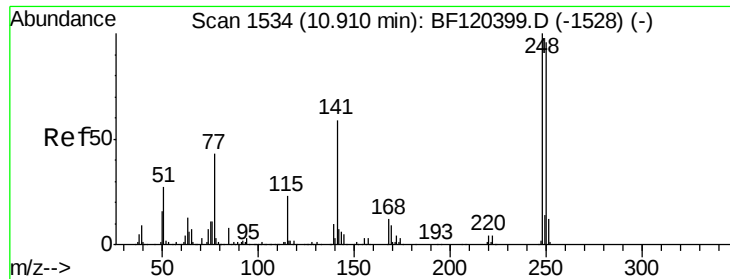
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1609
Delta R.T. -0.01 min
Lab File: BF120539.D
Acq: 4 Jun 2020 17:52

Tgt Ion:188 Resp: 627344
Ion Ratio Lower Upper
188 100
94 9.9 7.4 11.2
80 10.3 7.6 11.4



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

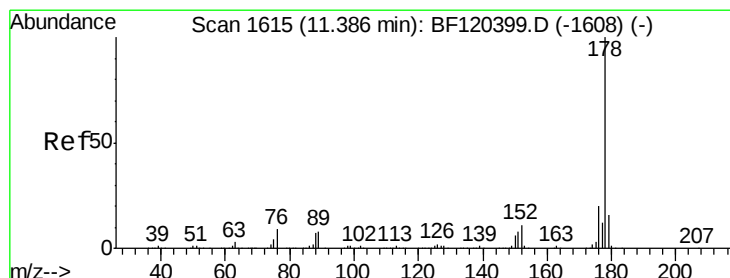
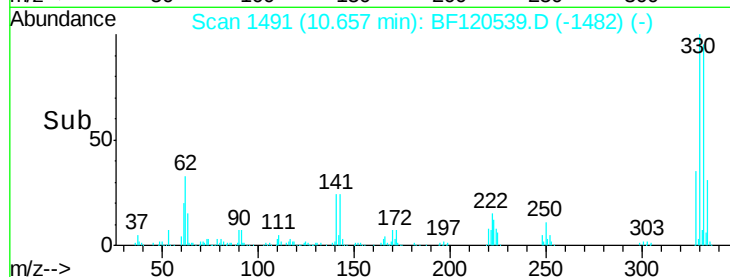
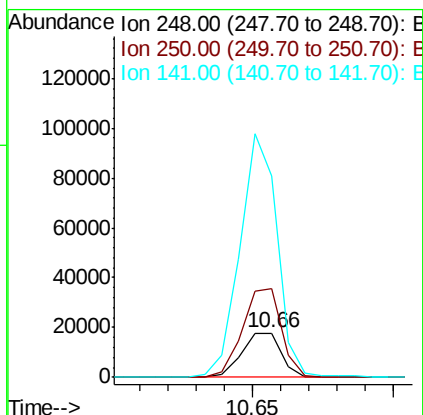
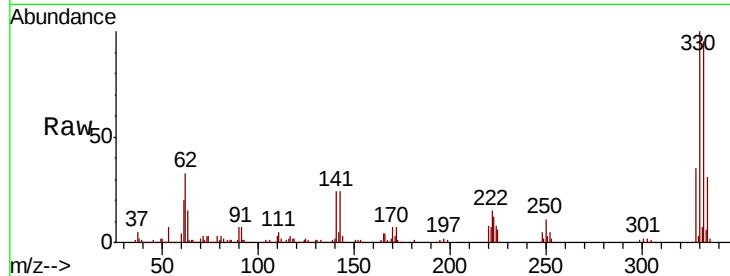




#67
 4-Bromophenyl-phenylether
 Concen: 2.718 ng
 RT: 10.66 min Scan# 1491
 Delta R.T. -0.25 min
 Lab File: BF120539.D
 Acq: 4 Jun 2020 17:52

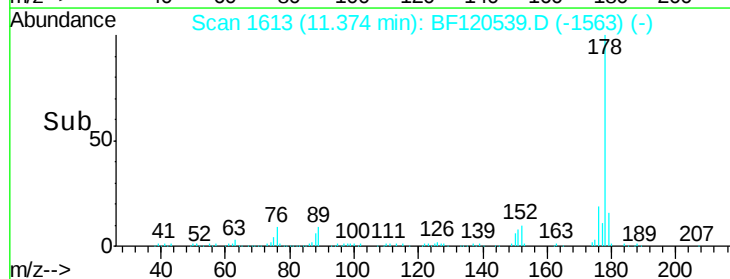
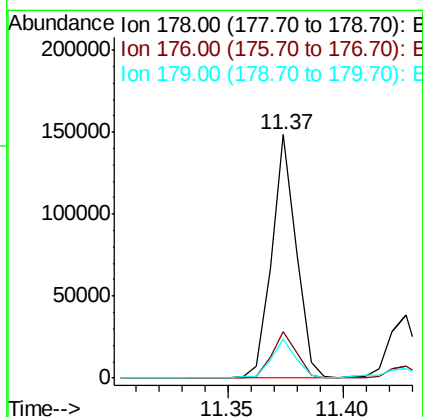
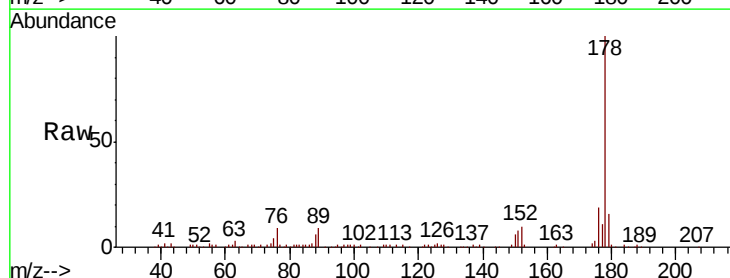
Instrument :
 BNA_F
 ClientSampleId :
 NM12-COMP-2020-0-6

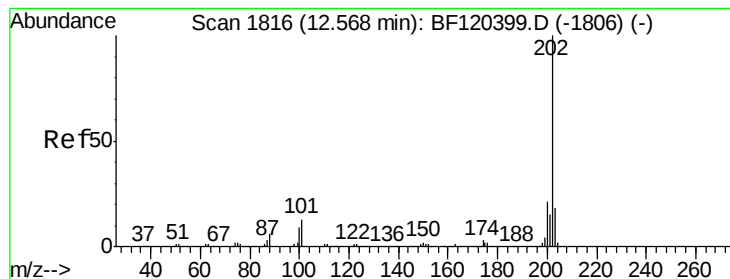
Tot Ion:248 Resp: 17210
 Ion Ratio Lower Upper
 248 100
 250 200.4 77.4 116.0#
 141 452.0 46.1 69.1#



#71
 Phenanthrene
 Concen: 3.955 ng
 RT: 11.37 min Scan# 1613
 Delta R.T. -0.01 min
 Lab File: BF120539.D
 Acq: 4 Jun 2020 17:52

Tgt Ion:178 Resp: 109322
 Ion Ratio Lower Upper
 178 100
 176 19.2 16.2 24.2
 179 15.8 12.8 19.2





#75

Fluoranthene

Concen: 8.736 ng

RT: 12.56 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BF120539.D

Acq: 4 Jun 2020 17:52

Instrument :

BNA_F

ClientSampleId :

NM12-COMP-2020-0-6

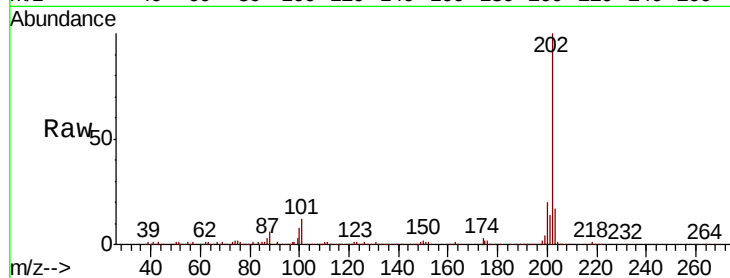
Tot Ion:202 Resp: 259842

Ion Ratio Lower Upper

202 100

101 11.8 0.0 31.3

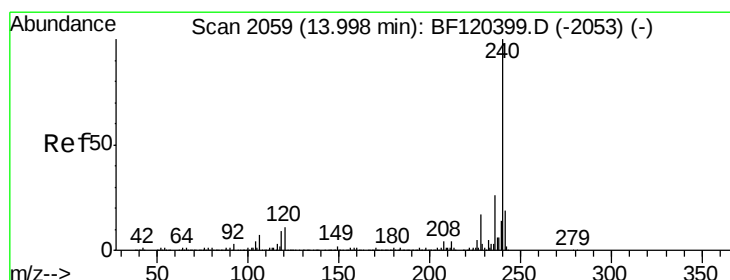
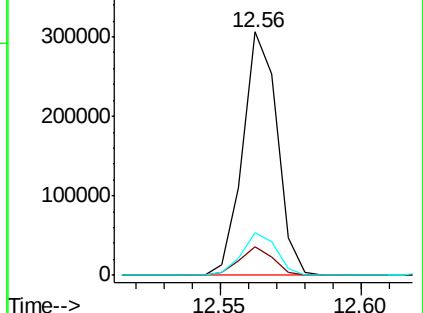
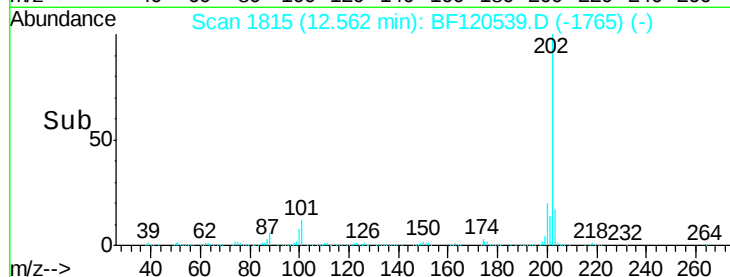
203 17.3 0.0 38.4



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: BF120539.D

Acq: 4 Jun 2020 17:52

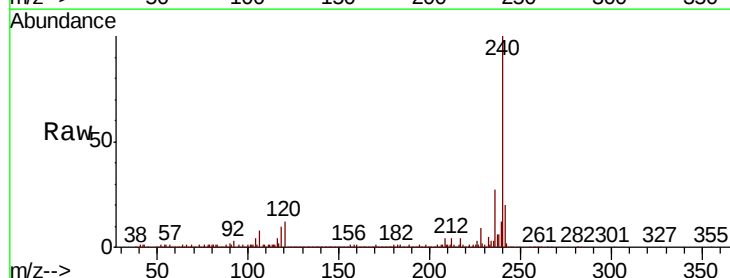
Tgt Ion:240 Resp: 448280

Ion Ratio Lower Upper

240 100

120 12.1 7.7 11.5#

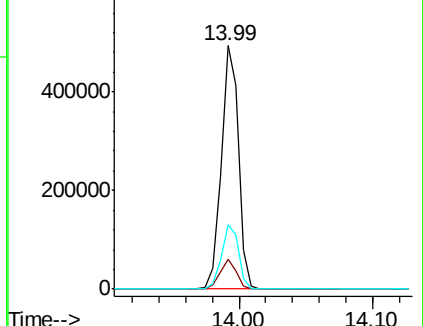
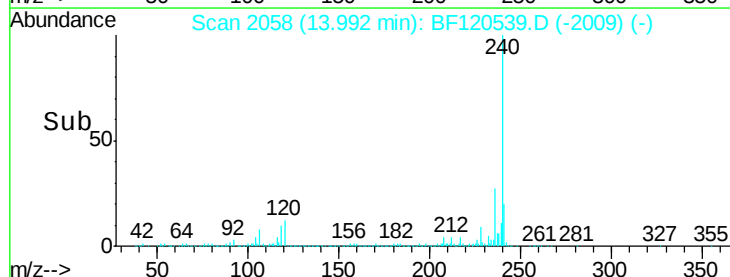
236 26.6 20.8 31.2

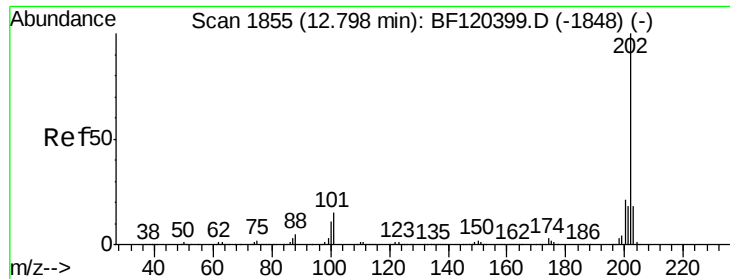


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

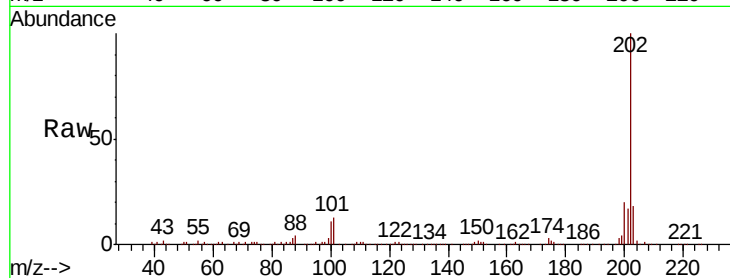




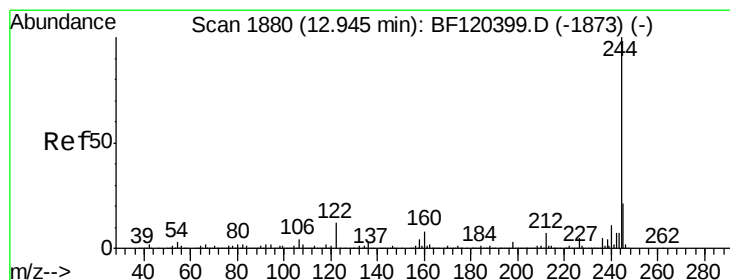
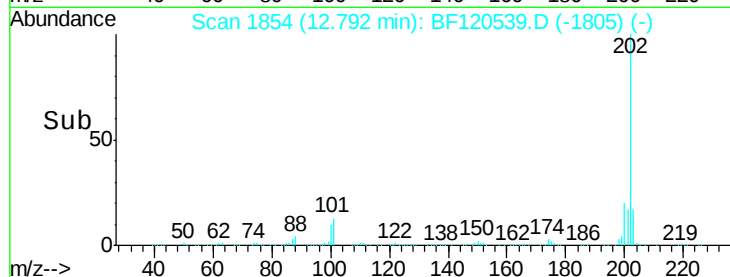
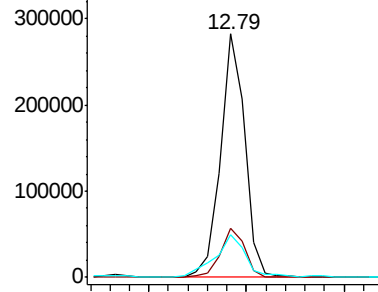
#78
Pvrene
Concen: 7.772 ng
RT: 12.79 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF120539.D
Acq: 4 Jun 2020 17:52

Instrument :
BNA_F
ClientSampleId :
NM12-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.0	25.6
203	17.5	14.2	21.2

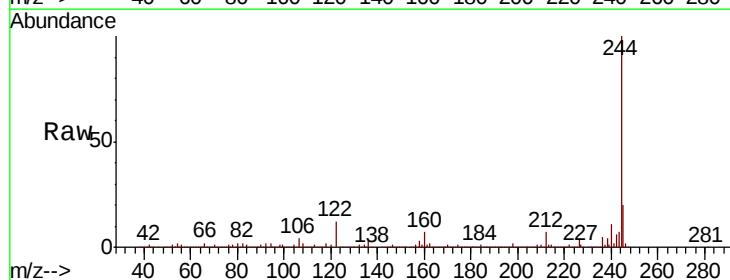


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

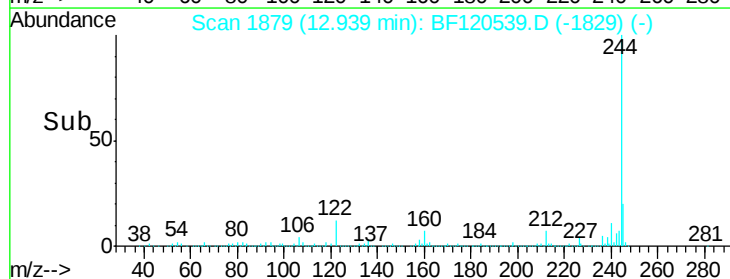
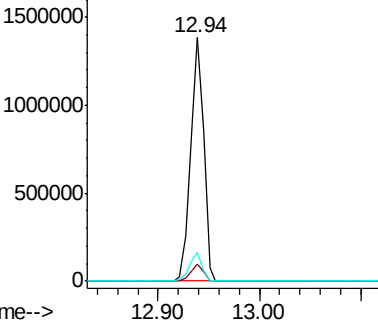


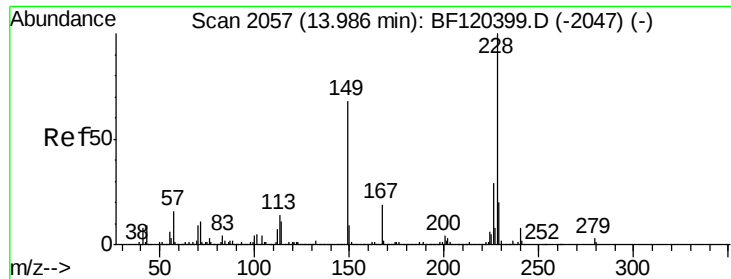
#79
Terphenyl-d14
Concen: 61.401 ng
RT: 12.94 min Scan# 1879
Delta R.T. -0.01 min
Lab File: BF120539.D
Acq: 4 Jun 2020 17:52

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.7	8.5
122	11.6	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

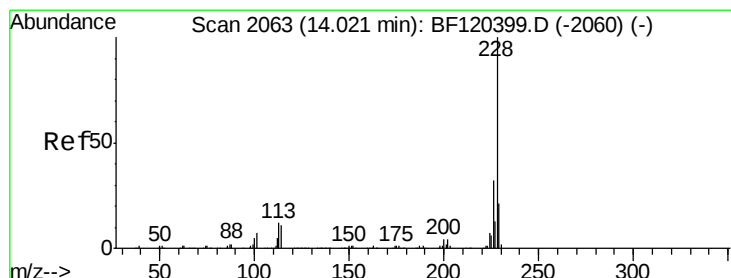
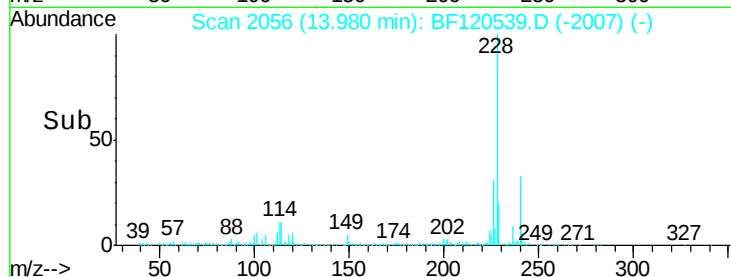
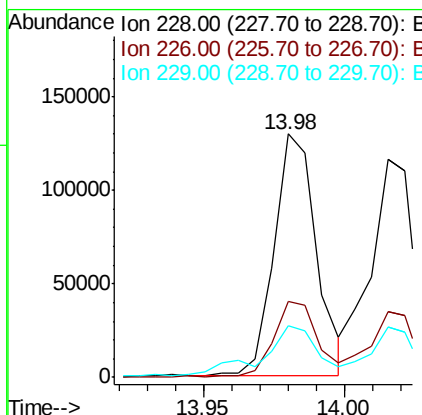
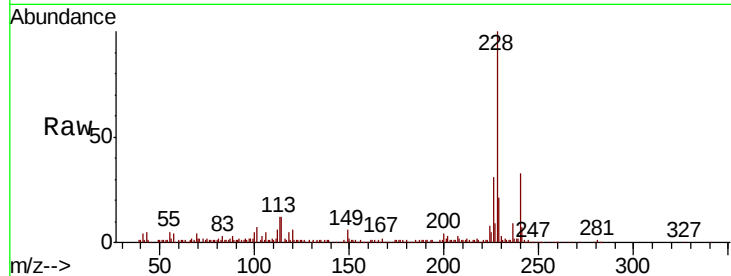




#81
Benzo(a)anthracene
Concen: 5.612 ng
RT: 13.98 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BF120539.D
Acq: 4 Jun 2020 17:52

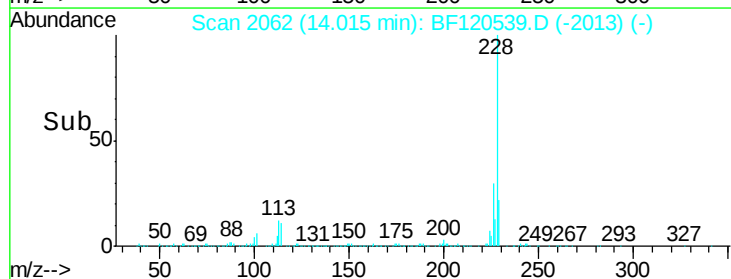
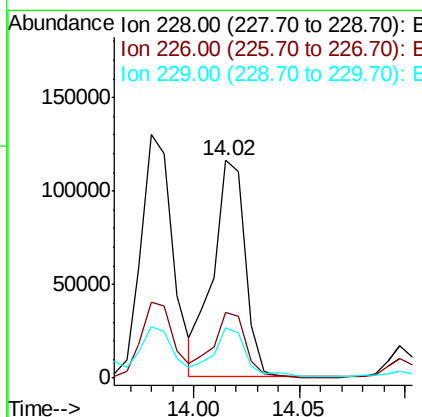
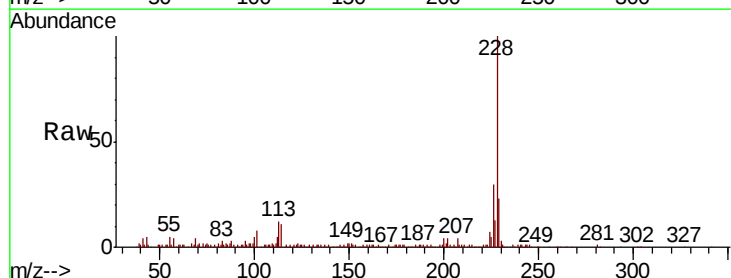
Instrument :
BNA_F
ClientSampleId :
NM12-COMP-2020-0-6

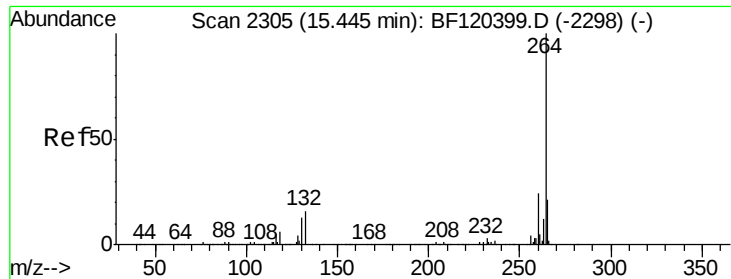
Tot Ion:228 Resp: 134823
Ion Ratio Lower Upper
228 100
226 31.4 22.4 33.6
229 21.1 16.2 24.2



#83
Chrysene
Concen: 4.844 ng
RT: 14.02 min Scan# 2062
Delta R.T. -0.01 min
Lab File: BF120539.D
Acq: 4 Jun 2020 17:52

Tgt Ion:228 Resp: 122001
Ion Ratio Lower Upper
228 100
226 30.1 25.6 38.4
229 23.4 16.2 24.2

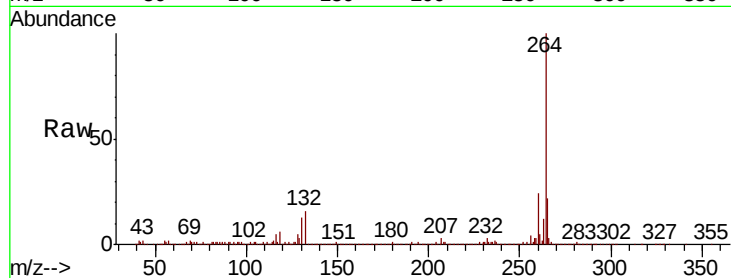




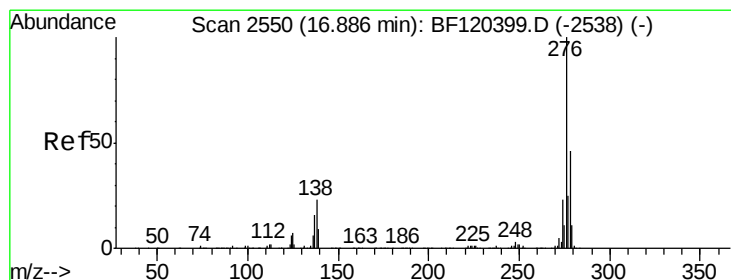
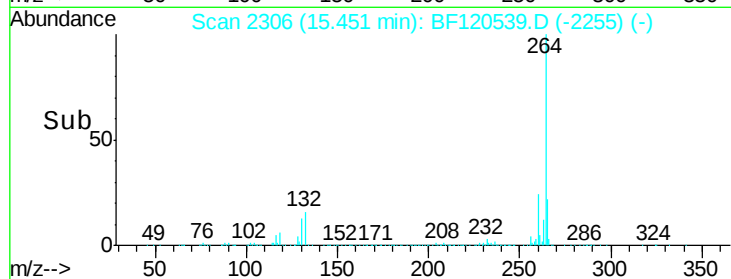
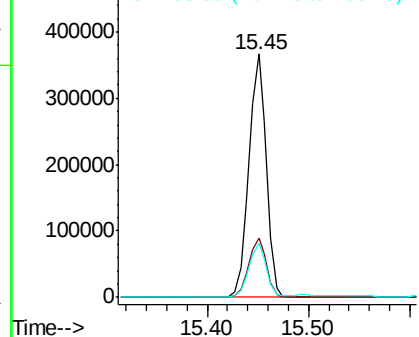
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2306
Delta R.T. -0.00 min
Lab File: BF120539.D
Acq: 4 Jun 2020 17:52

Instrument :
BNA_F
ClientSampleId :
NM12-COMP-2020-0-6

Tot Ion:264 Resp: 435696
Ion Ratio Lower Upper
264 100
260 24.3 19.5 29.3
265 22.4 17.5 26.3

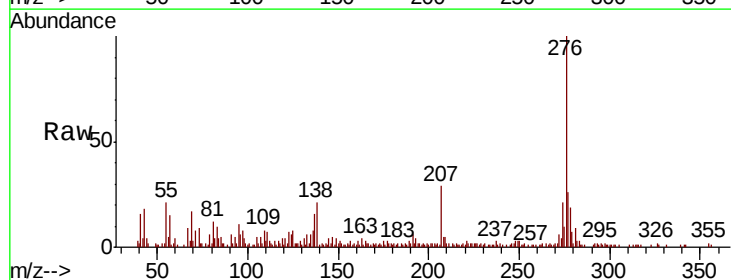


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

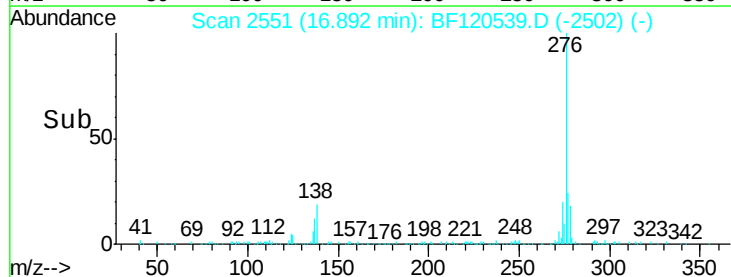
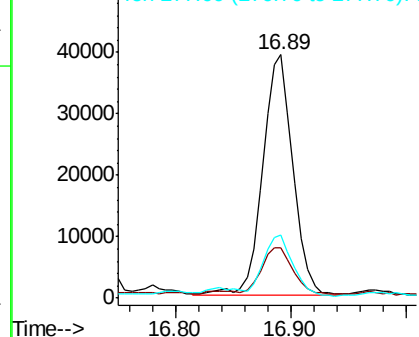


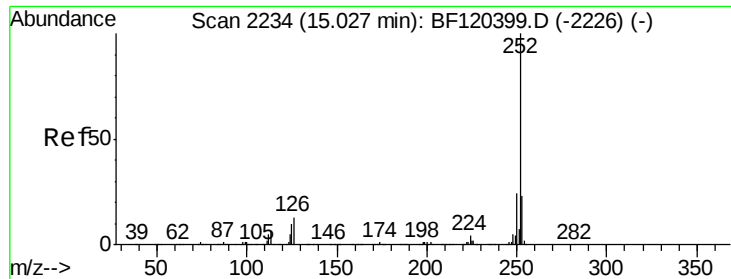
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.013 ng
RT: 16.89 min Scan# 2551
Delta R.T. -0.01 min
Lab File: BF120539.D
Acq: 4 Jun 2020 17:52

Tgt Ion:276 Resp: 71807
Ion Ratio Lower Upper
276 100
138 19.5 19.2 28.8
277 24.7 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

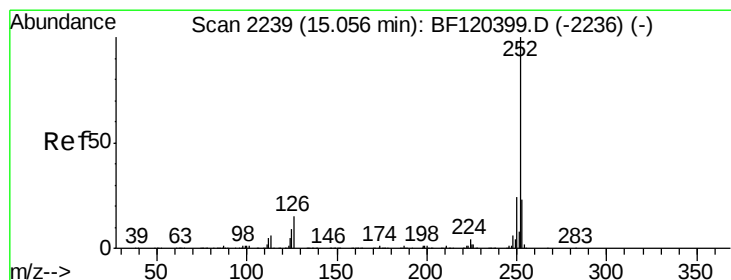
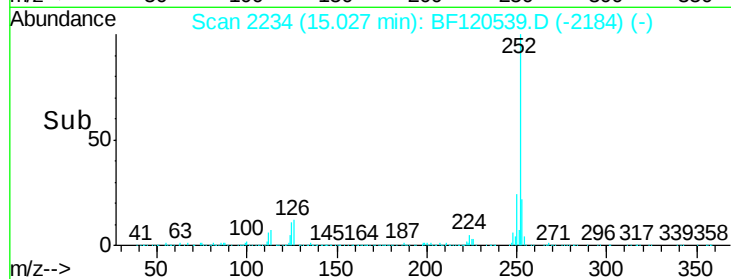
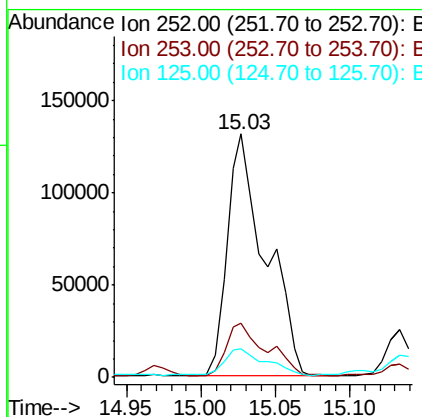
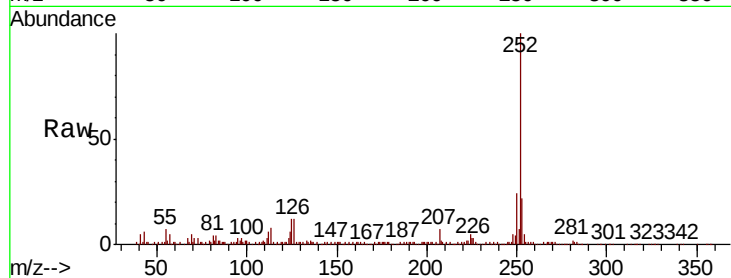




#88
Benzo(b)fluoranthene
Concen: 9.721 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF120539.D
Acq: 4 Jun 2020 17:52

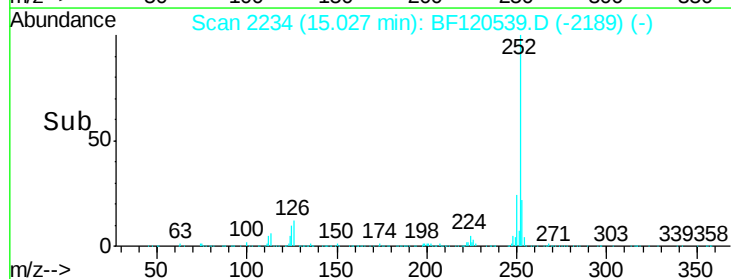
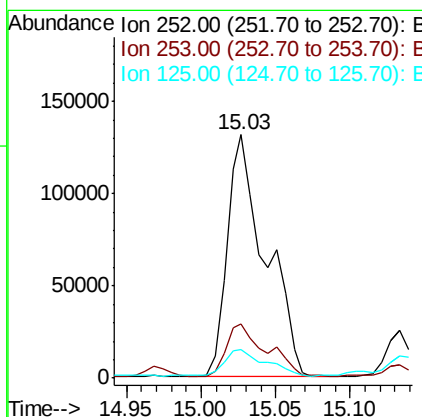
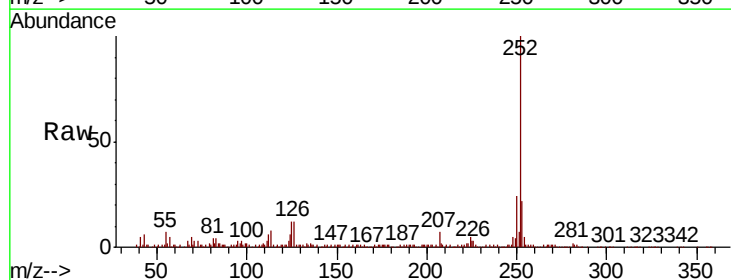
Instrument :
BNA_F
ClientSampleId :
NM12-COMP-2020-0-6

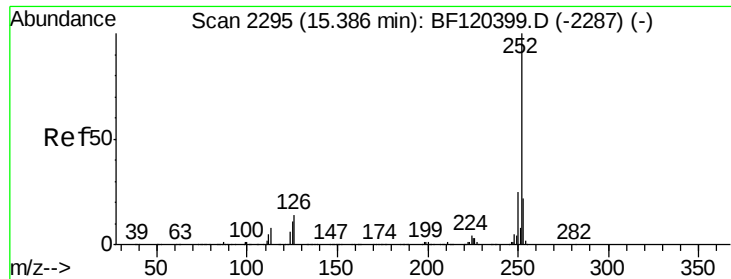
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	11.5	8.3	12.5



#89
Benzo(k)fluoranthene
Concen: 10.413 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.04 min
Lab File: BF120539.D
Acq: 4 Jun 2020 17:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.4	27.6
125	11.5	8.6	13.0





#90

Benzo(a)pyrene

Concen: 5.587 ng

RT: 15.39 min Scan# 2295

Delta R.T. -0.01 min

Lab File: BF120539.D

Acq: 4 Jun 2020 17:52

Instrument :

BNA_F

ClientSampleId :

NM12-COMP-2020-0-6

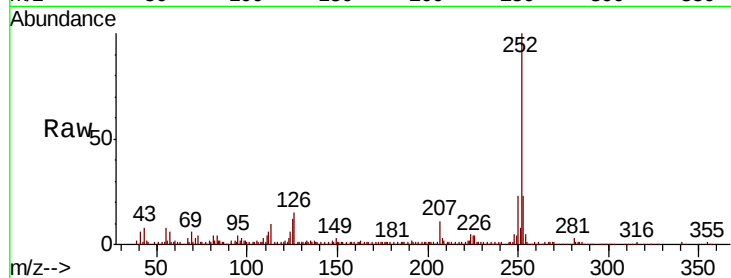
Tot Ion:252 Resp: 118269

Ion Ratio Lower Upper

252 100

253 23.2 18.2 27.2

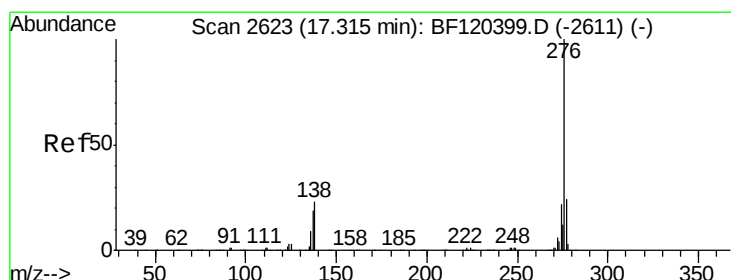
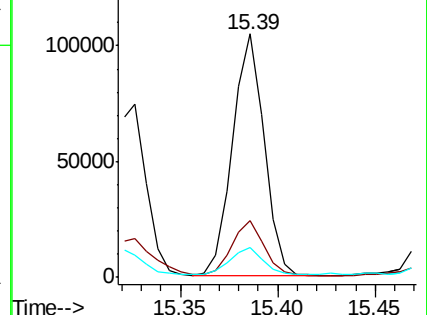
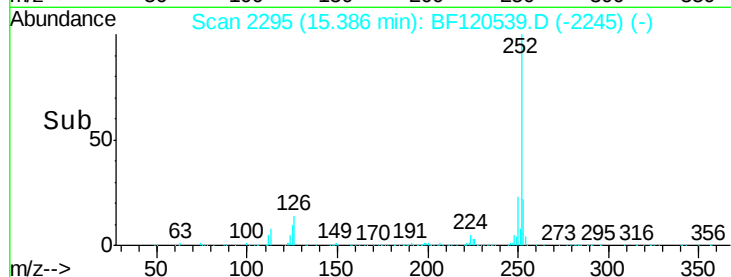
125 12.0 9.6 14.4



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: 3.431 ng

RT: 17.33 min Scan# 2625

Delta R.T. -0.02 min

Lab File: BF120539.D

Acq: 4 Jun 2020 17:52

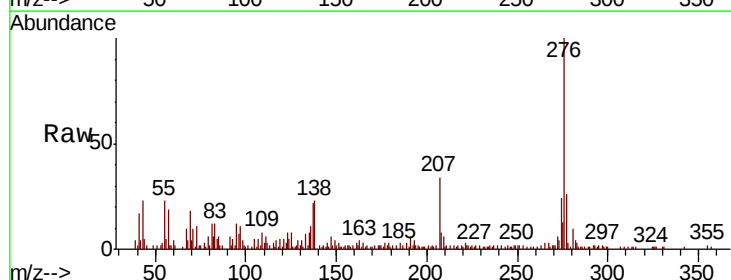
Tgt Ion:276 Resp: 65737

Ion Ratio Lower Upper

276 100

277 26.2 19.3 28.9

138 22.6 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

