

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051420\
 Data File : BF120311.D
 Acq On : 15 May 2020 00:40
 Operator : MA/SJ
 Sample : L2641-03
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 15 02:44:55 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 14 12:47:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	307266	20.00	ng	0.00
21) Naphthalene-d8	7.90	136	1180668	20.00	ng	0.00
39) Acenaphthene-d10	9.66	164	584002	20.00	ng	0.00
64) Phenanthrene-d10	11.15	188	1065018	20.00	ng	0.00
76) Chrysene-d12	13.78	240	760501	20.00	ng	0.00
87) Perylene-d12	15.17	264	681347	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.24	112	1822631	115.41	ng	0.01
7) Phenol-d6	6.29	99	1957952	98.04	ng	0.00
23) Nitrobenzene-d5	7.19	82	1433617	83.13	ng	0.00
42) 2,4,6-Tribromophenol	10.45	330	562723	118.18	ng	0.00
45) 2-Fluorobiphenyl	8.99	172	2833462	99.68	ng	0.00
79) Terphenyl-d14	12.73	244	2440769	70.90	ng	0.00

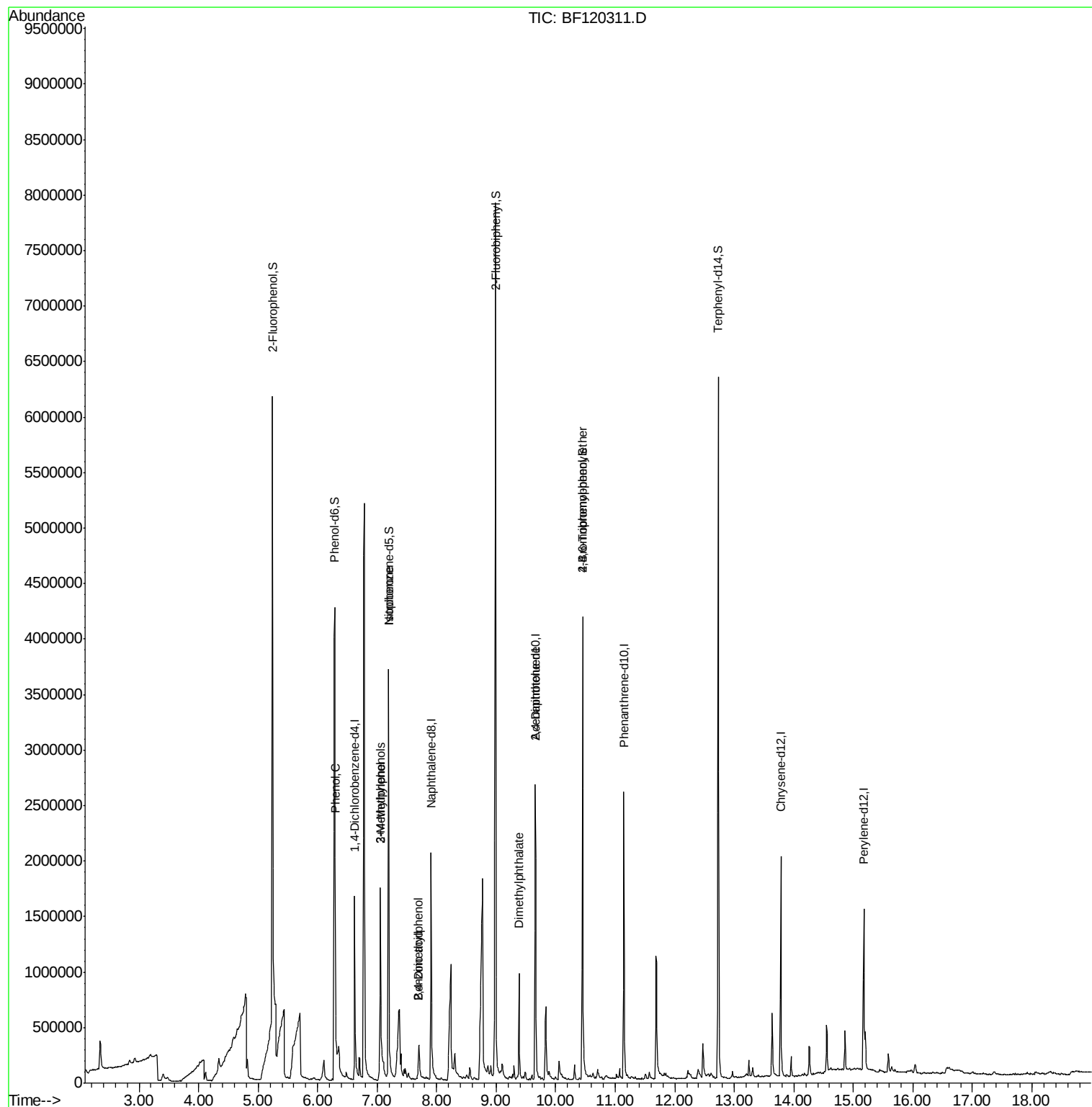
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.30	94	199349	8.551	ng	# 70
17) 2-Methylphenol	7.05	107	550204	35.397	ng	# 64
20) 3+4-Methylphenols	7.05	107	554809	27.453	ng	# 83
25) Isophorone	7.19	82	1433605	39.955	ng	# 65
27) 2,4-Dimethylphenol	7.70	122	32717	2.317	ng	# 15
32) Benzoic acid	7.70	122	32717	3.535	ng	# 95
50) Dimethylphthalate	9.38	163	399005	10.808	ng	# 99
57) 2,4-Dinitrotoluene	9.66	165	75640	7.826	ng	# 16
67) 4-Bromophenyl-phenylether	10.45	248	33479	3.239	ng	# 1

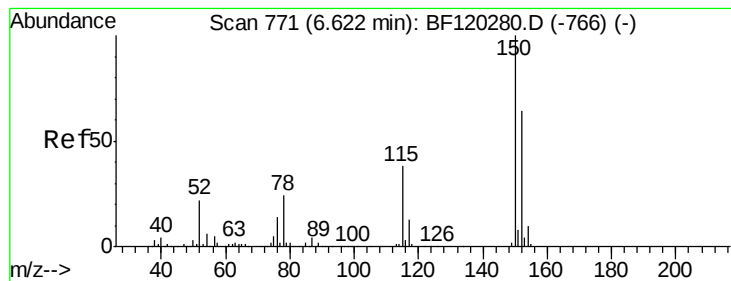
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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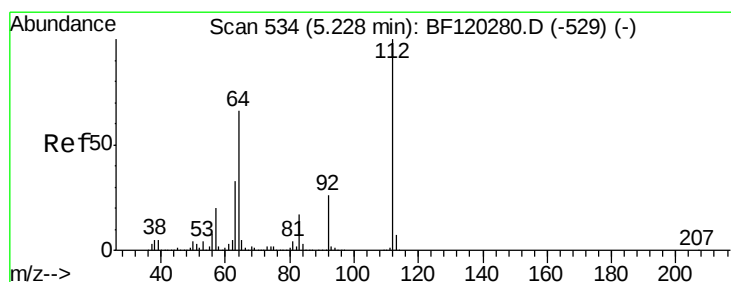
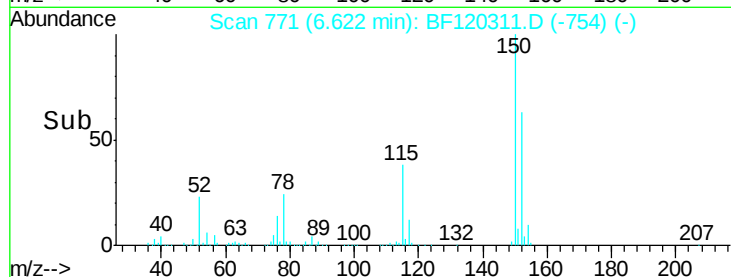
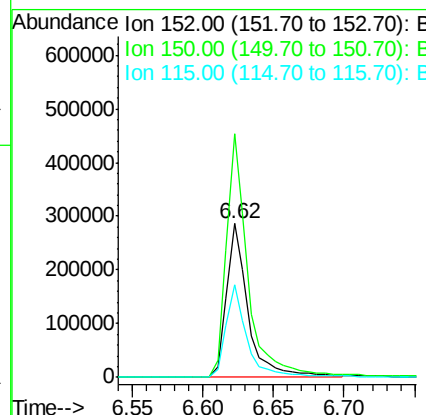
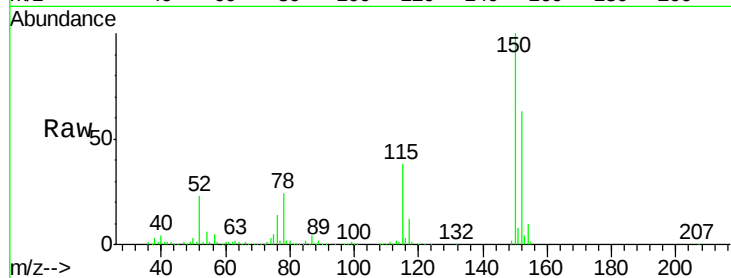


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.62 min Scan# 771
Delta R.T. 0.00 min
Lab File: BF120311.D
Acq: 15 May 2020 00:40

Instrument :
BNA_F
ClientSampleId :

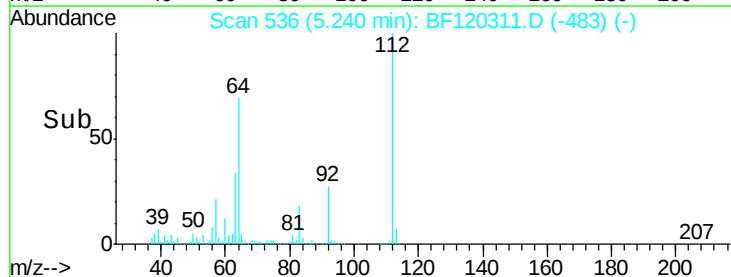
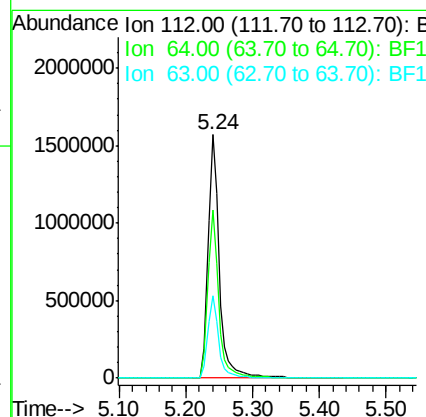
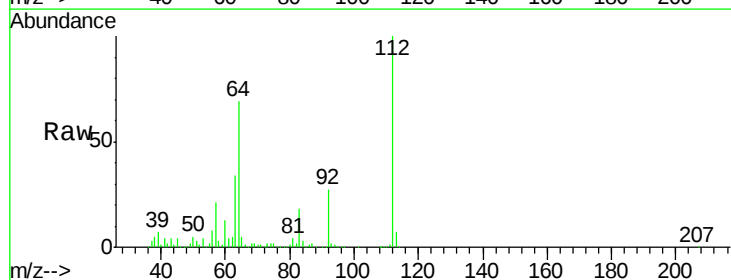
Tot Ion:152 Resp: 307266
Ion Ratio Lower Upper
152 100
150 158.1 126.2 189.2
115 59.8 47.9 71.9

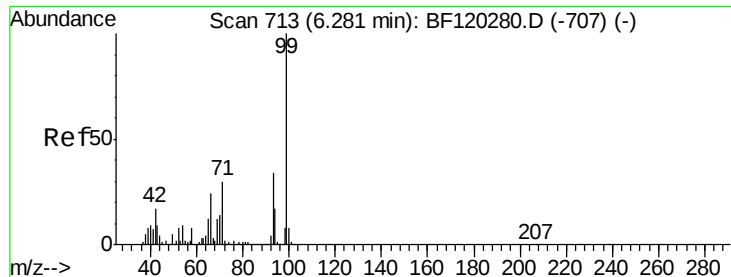


#5

2-Fluorophenol
Concen: 115.415 ng
RT: 5.24 min Scan# 536
Delta R.T. 0.01 min
Lab File: BF120311.D
Acq: 15 May 2020 00:40

Tgt Ion:112 Resp: 1822631
Ion Ratio Lower Upper
112 100
64 68.8 52.7 79.1
63 34.0 26.2 39.4





#7

Phenol-d6

Concen: 98.042 ng

RT: 6.29 min Scan# 714

Delta R.T. 0.01 min

Lab File: BF120311.D

Acq: 15 May 2020 00:40

Instrument :

BNA_F

ClientSampleId :

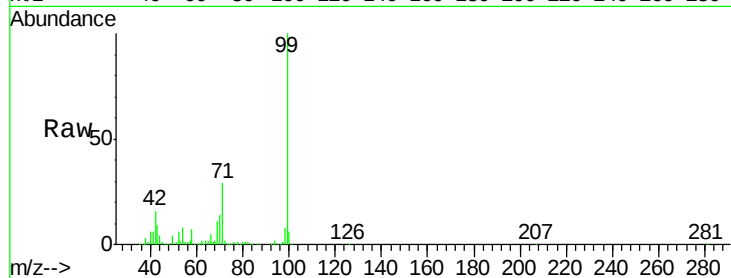
Tot Ion: 99 Resp: 1957952

Ion Ratio Lower Upper

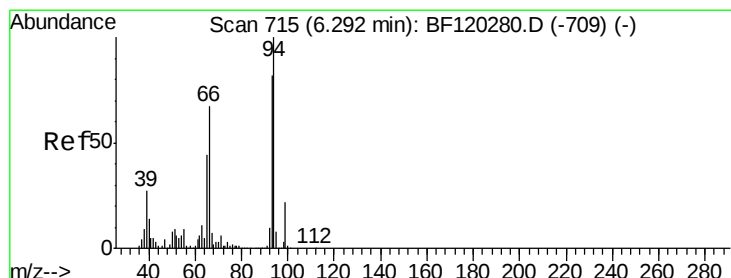
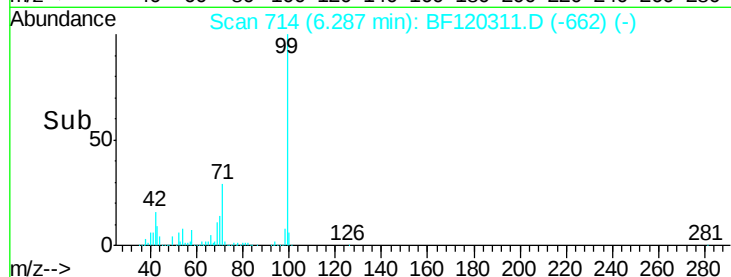
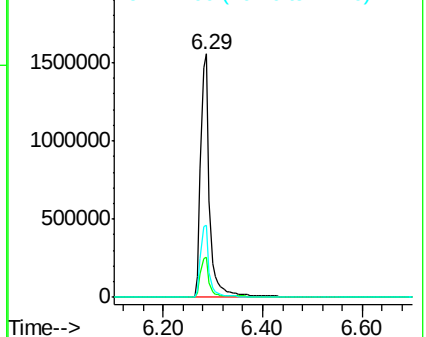
99 100

42 16.3 13.6 20.4

71 29.5 24.2 36.4



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



#10

Phenol

Concen: 8.551 ng

RT: 6.30 min Scan# 716

Delta R.T. 0.01 min

Lab File: BF120311.D

Acq: 15 May 2020 00:40

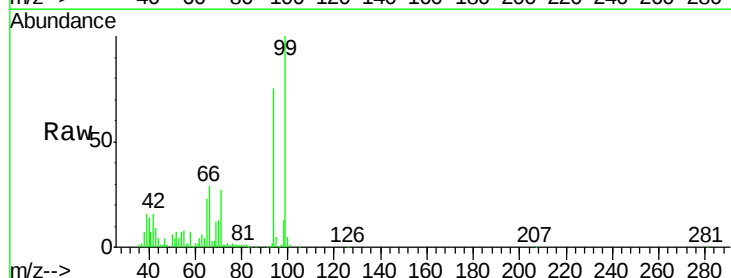
Tgt Ion: 94 Resp: 199349

Ion Ratio Lower Upper

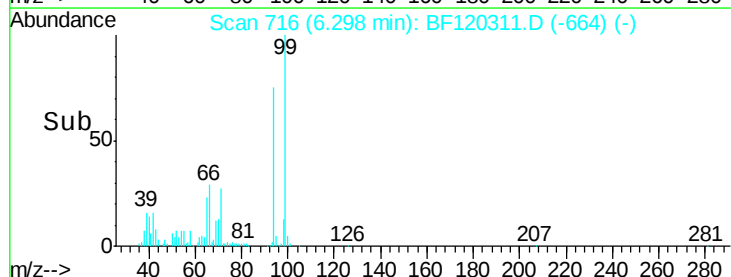
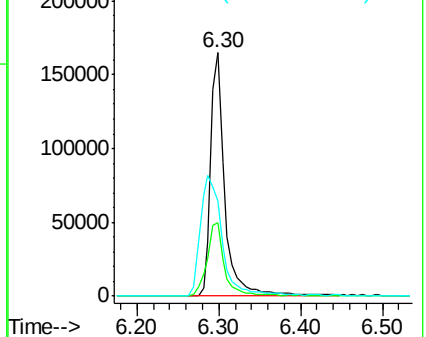
94 100

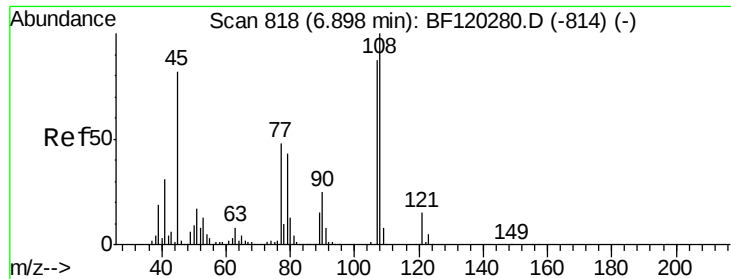
65 30.2 24.1 64.1

66 39.2 47.5 87.5#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

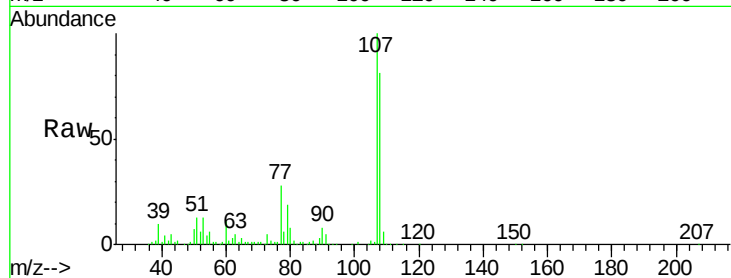




#17
2-Methylphenol
Concen: 35.397 ng
RT: 7.05 min Scan# 844
Delta R.T. 0.15 min
Lab File: BF120311.D
Acq: 15 May 2020 00:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
108	81.4	92.4	138.6#
77	27.8	44.5	66.7#
79	19.4	40.4	60.6#



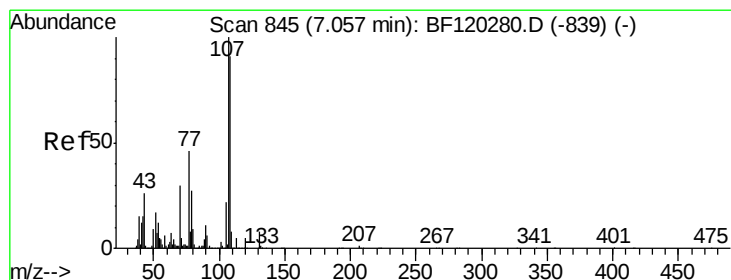
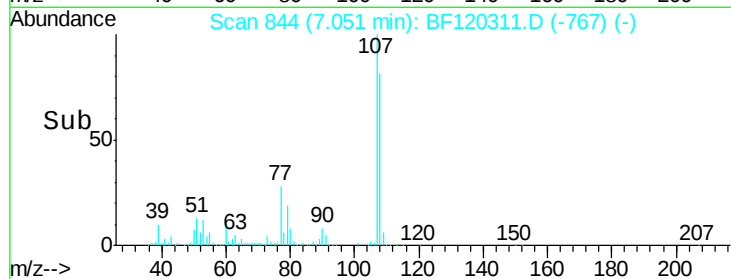
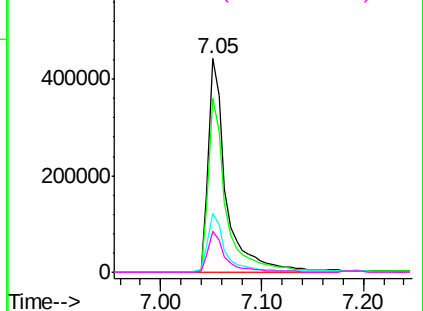
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#20
3+4-Methylphenols
Concen: 27.453 ng
RT: 7.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BF120311.D
Acq: 15 May 2020 00:40

Tgt Ion	Ratio	Lower	Upper
107	100		
108	81.4	71.1	111.1
77	27.8	28.1	68.1#
79	19.4	6.8	46.8

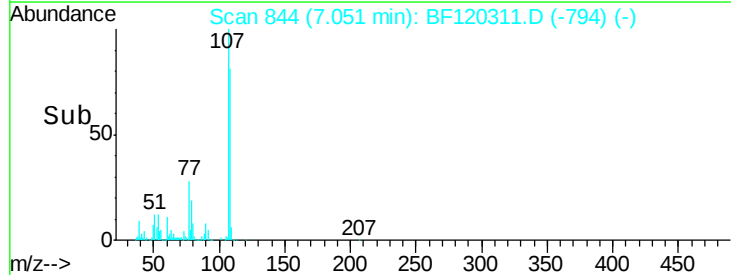
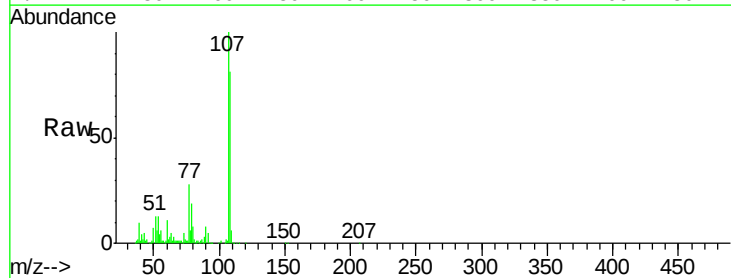
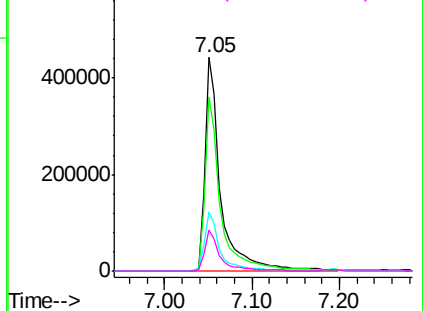
Abundance

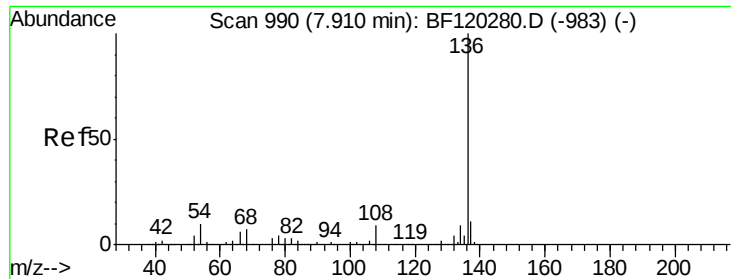
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.90 min Scan# 989

Delta R.T. -0.01 min

Lab File: BF120311.D

Acq: 15 May 2020 00:40

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 1180668

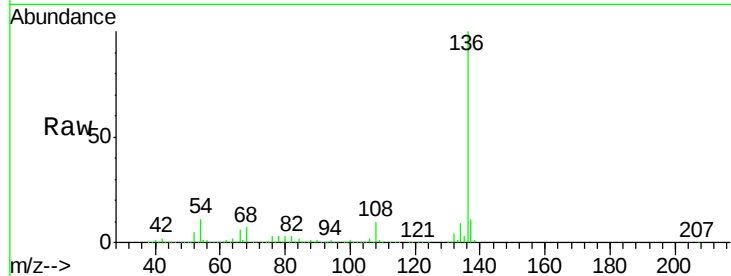
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 10.5 7.9 11.9

68 7.0 5.4 8.2

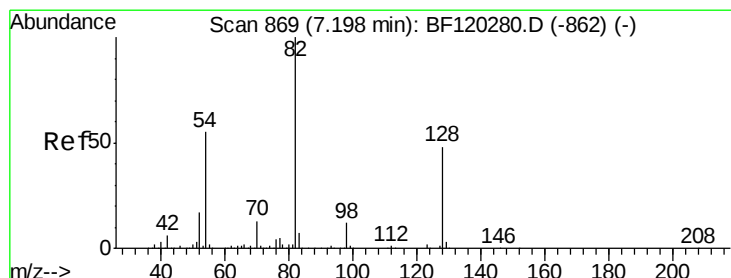
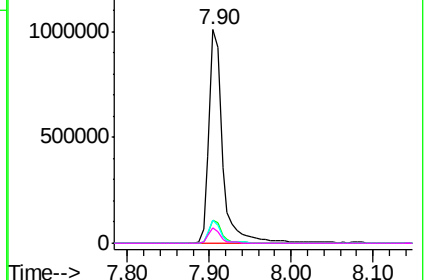
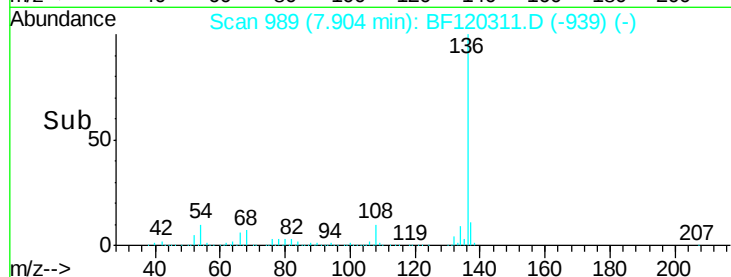


Abundance Ion 136.00 (135.70 to 136.70): E

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: 83.135 ng

RT: 7.19 min Scan# 868

Delta R.T. -0.01 min

Lab File: BF120311.D

Acq: 15 May 2020 00:40

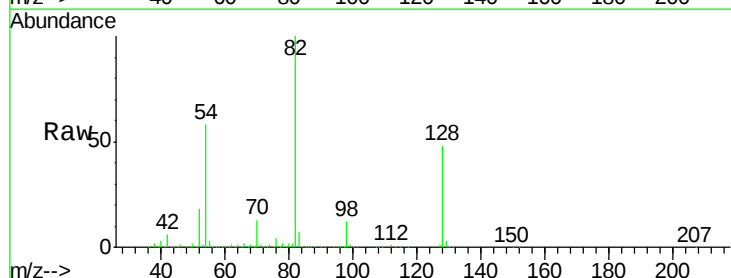
Tgt Ion: 82 Resp: 1433617

Ion Ratio Lower Upper

82 100

128 47.6 38.3 57.5

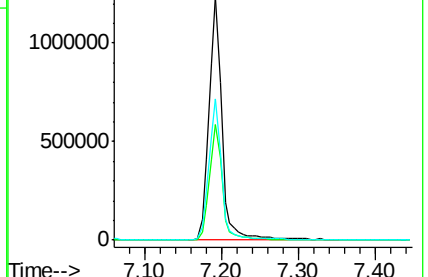
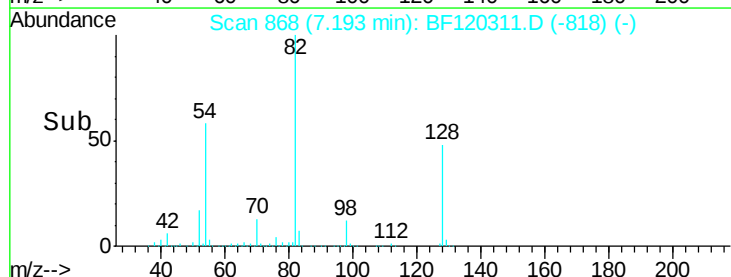
54 57.7 43.9 65.9

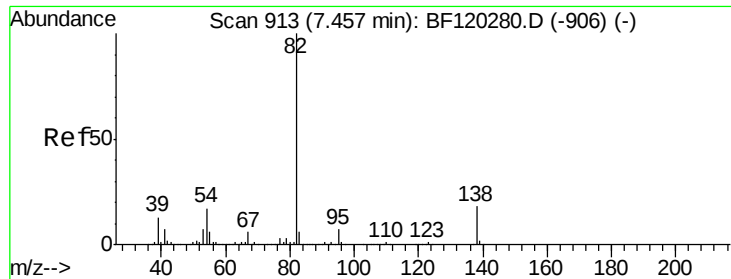


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 39.955 ng

RT: 7.19 min Scan# 868

Delta R.T. -0.26 min

Lab File: BF120311.D

Acq: 15 May 2020 00:40

Instrument :

BNA_F

ClientSampleId :

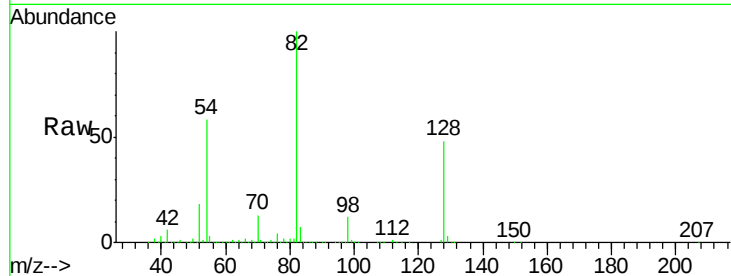
Tot Ion: 82 Resp: 1433605

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

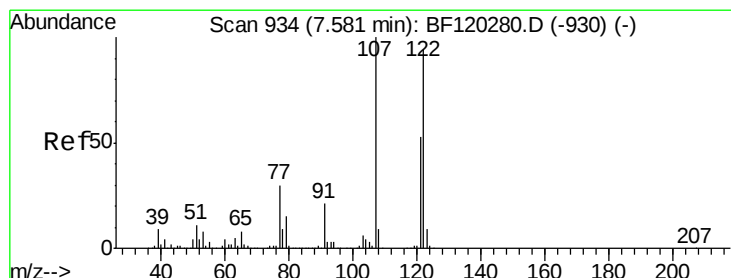
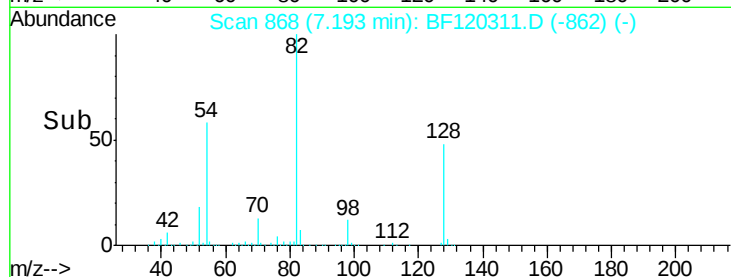
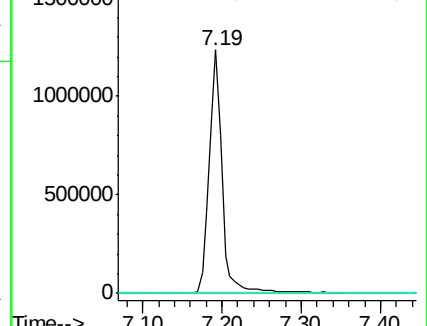
138 0.0 14.7 22.1#



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



#27

2,4-Dimethylphenol

Concen: 2.317 ng

RT: 7.70 min Scan# 955

Delta R.T. 0.12 min

Lab File: BF120311.D

Acq: 15 May 2020 00:40

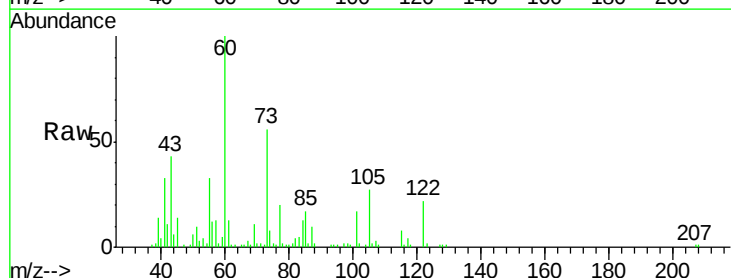
Tgt Ion: 122 Resp: 32717

Ion Ratio Lower Upper

122 100

107 13.8 85.0 127.6#

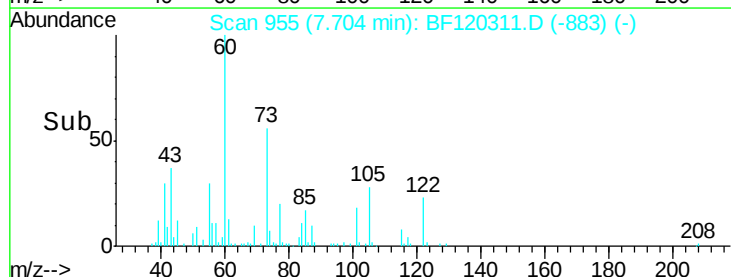
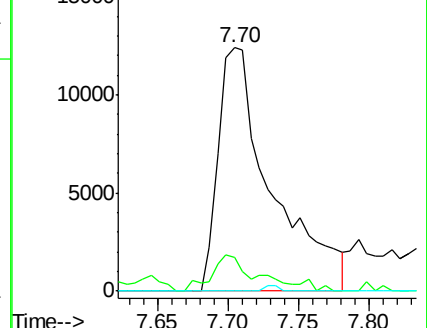
121 0.0 45.1 67.7#

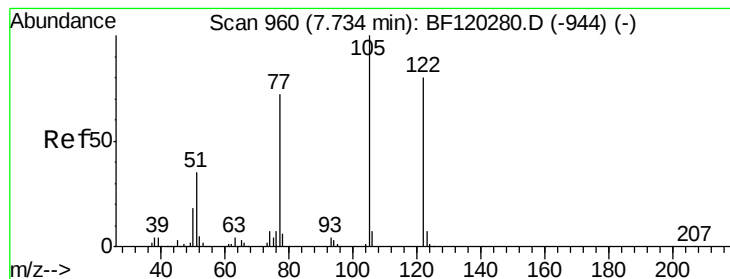


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 107.00 (106.70 to 107.70): BF1

Ion 121.00 (120.70 to 121.70): BF1





#32

Benzoic acid

Concen: 3.535 ng

RT: 7.70 min Scan# 955

Delta R.T. -0.03 min

Lab File: BF120311.D

Acq: 15 May 2020 00:40

Instrument :

BNA_F

ClientSampleId :

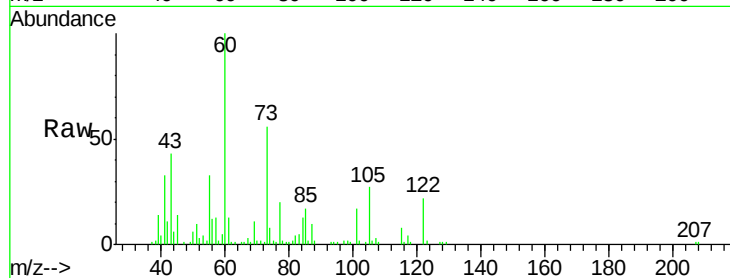
Tot Ion:122 Resp: 32717

Ion Ratio Lower Upper

122 100

105 121.6 98.1 138.1

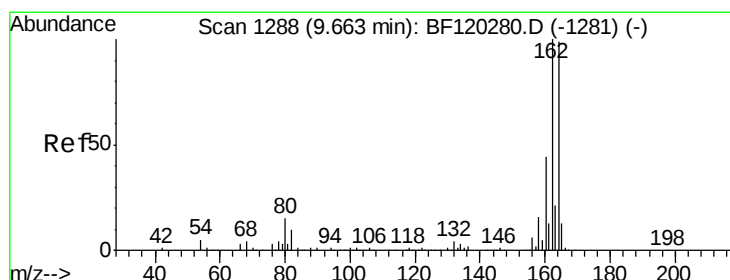
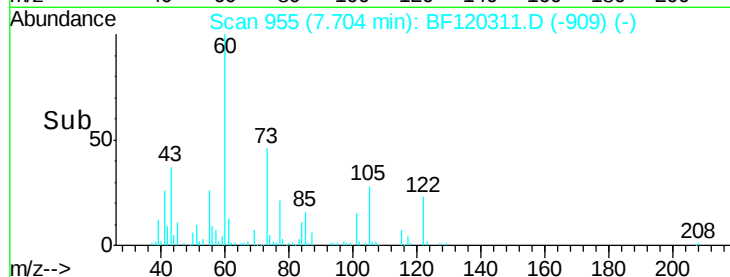
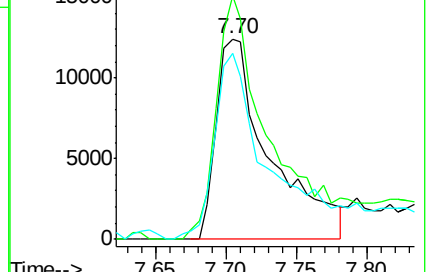
77 93.2 66.7 106.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.66 min Scan# 1287

Delta R.T. -0.01 min

Lab File: BF120311.D

Acq: 15 May 2020 00:40

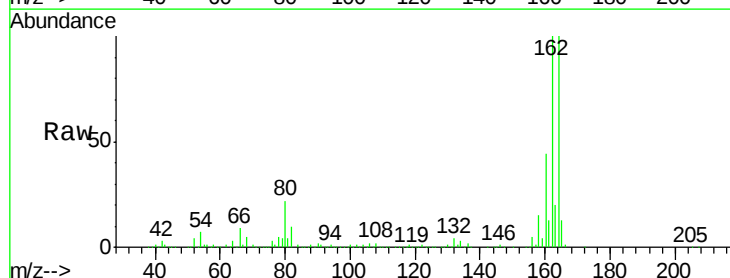
Tgt Ion:164 Resp: 584002

Ion Ratio Lower Upper

164 100

162 99.5 81.2 121.8

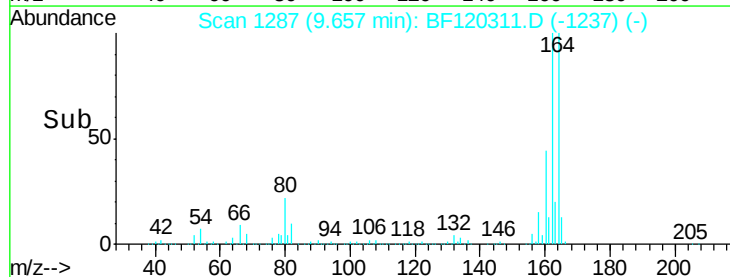
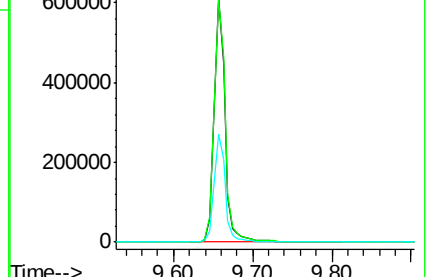
160 44.2 35.8 53.6

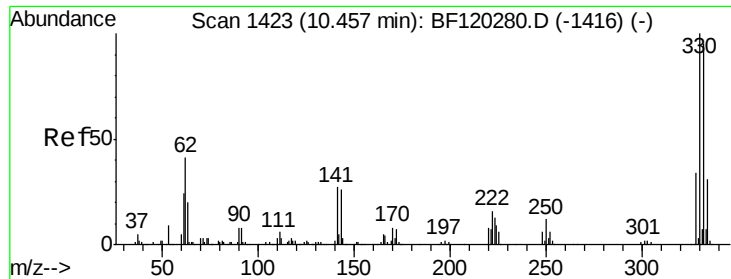


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

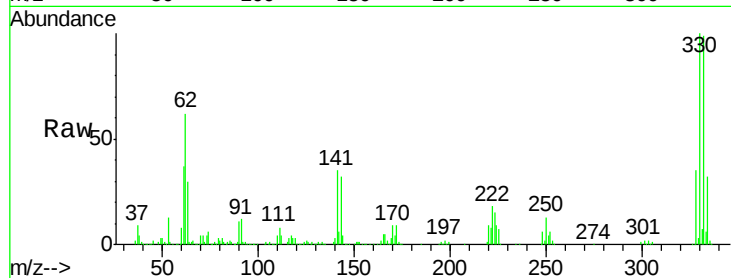




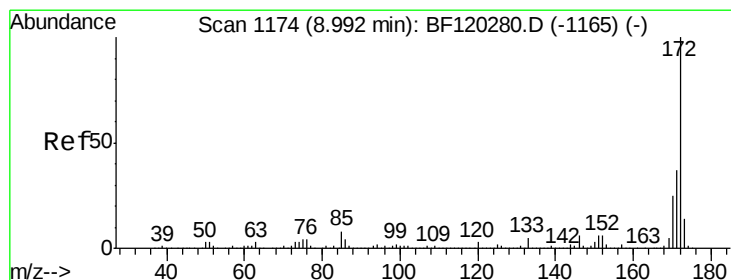
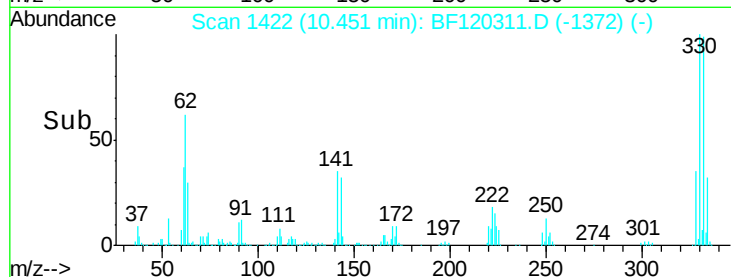
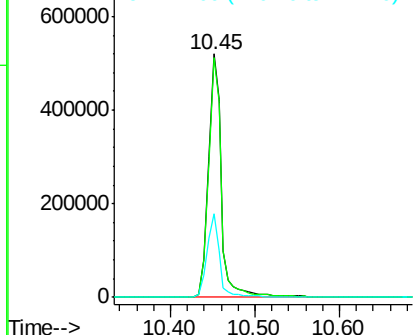
#42
 2,4,6-Tribromophenol
 Concen: 118.178 ng
 RT: 10.45 min Scan# 1422
 Delta R.T. -0.01 min
 Lab File: BF120311.D
 Acq: 15 May 2020 00:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 562723
 Ion Ratio Lower Upper
 330 100
 332 98.7 76.5 114.7
 141 32.8 25.4 38.0

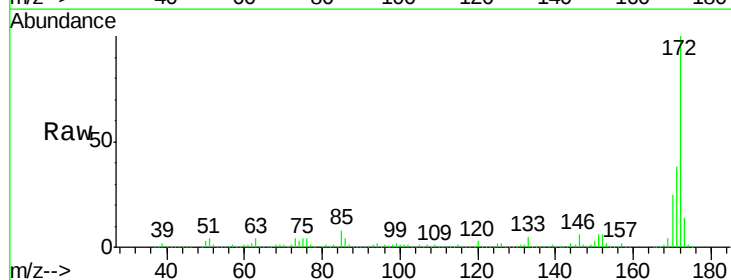


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

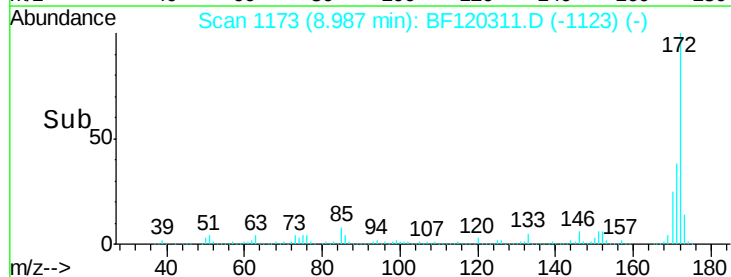
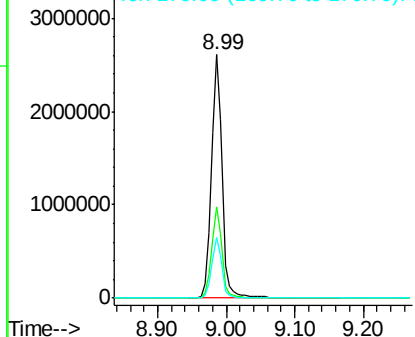


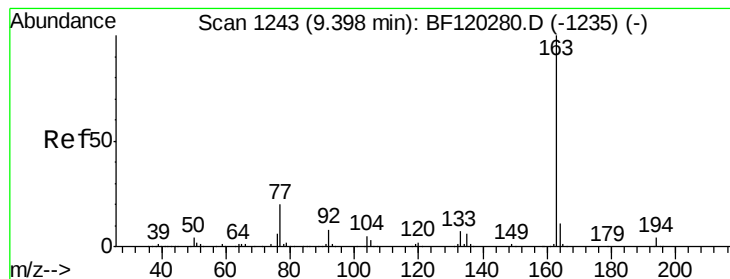
#45
 2-Fluorobiphenyl
 Concen: 99.679 ng
 RT: 8.99 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: BF120311.D
 Acq: 15 May 2020 00:40

Tgt Ion:172 Resp: 2833462
 Ion Ratio Lower Upper
 172 100
 171 37.5 29.7 44.5
 170 24.8 19.9 29.9



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: 10.808 ng

RT: 9.38 min Scan# 1240

Delta R.T. -0.02 min

Lab File: BF120311.D

Acq: 15 May 2020 00:40

Instrument :

BNA_F

ClientSampleId :

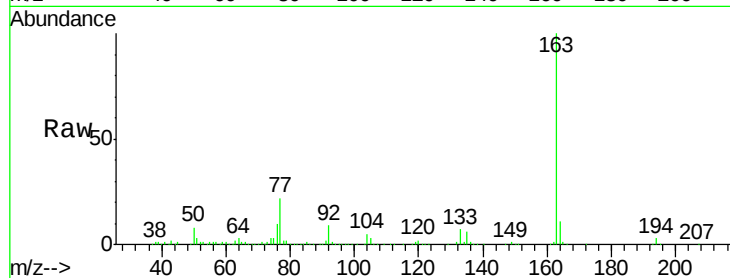
Tot Ion:163 Resp: 399005

Ion Ratio Lower Upper

163 100

194 3.5 3.1 4.7

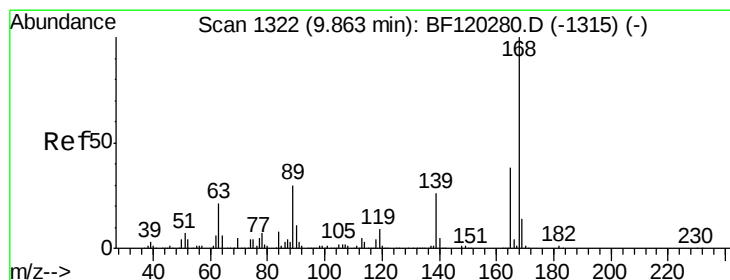
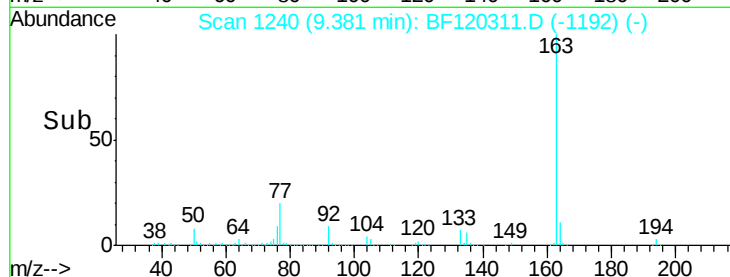
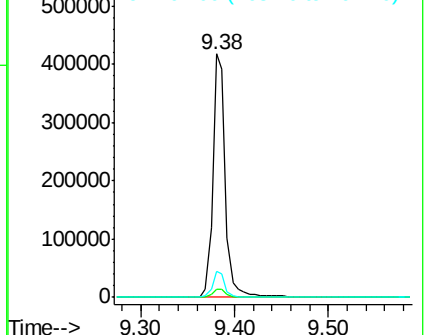
164 10.8 8.6 12.8



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: 7.826 ng

RT: 9.66 min Scan# 1287

Delta R.T. -0.21 min

Lab File: BF120311.D

Acq: 15 May 2020 00:40

Tgt Ion:165 Resp: 75640

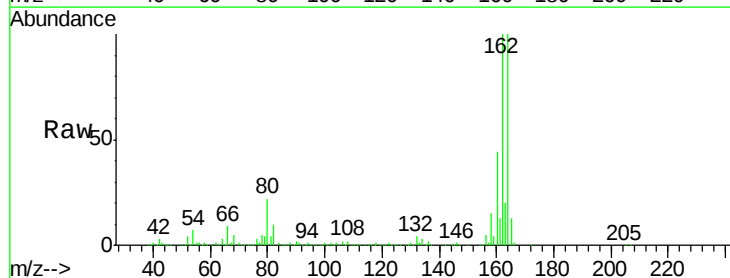
Ion Ratio Lower Upper

165 100

63 1.7 51.8 77.8#

89 1.5 64.2 96.4#

182 0.0 2.0 3.0#

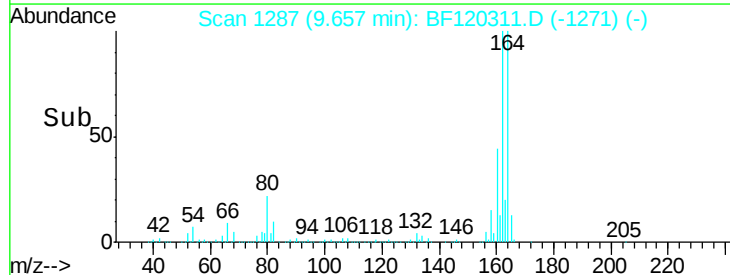
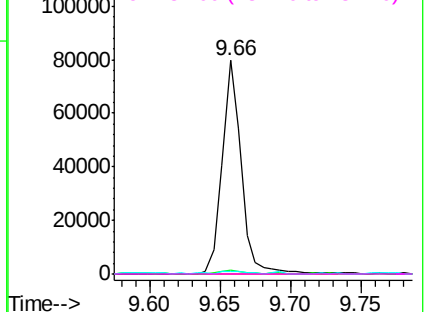


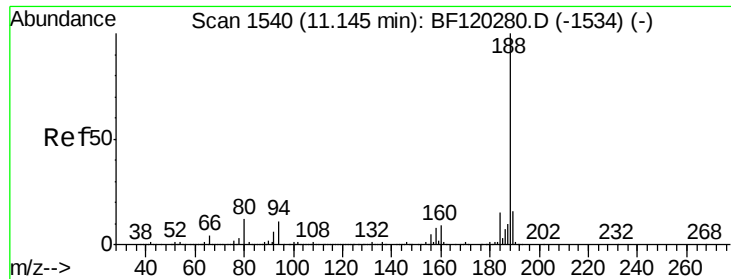
Abundance Ion 165.00 (164.70 to 165.70): E

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

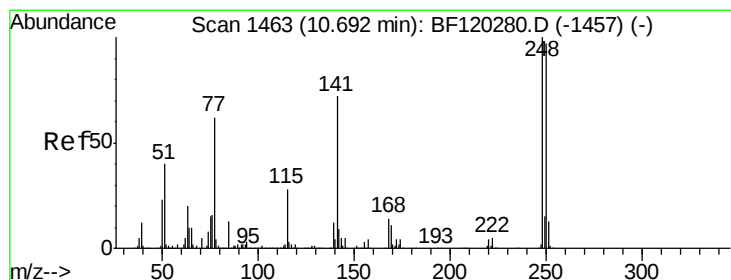
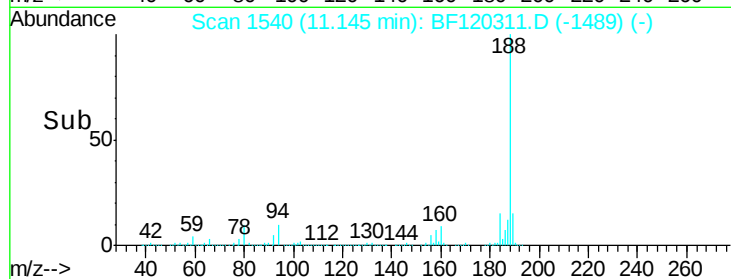
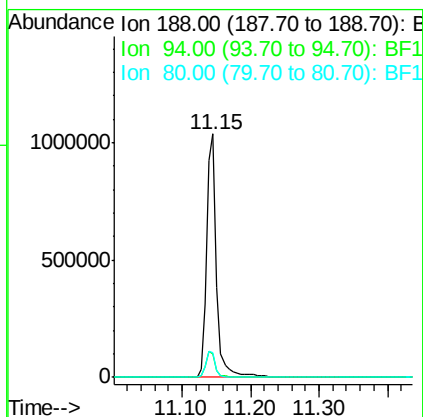
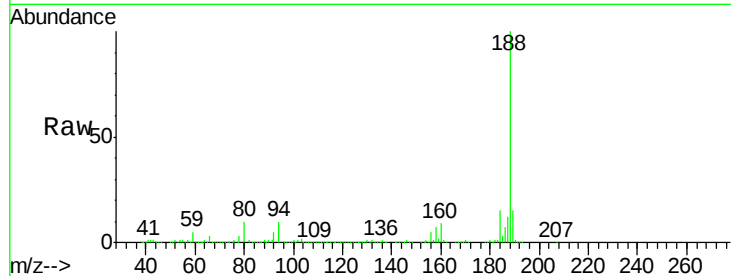




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.15 min Scan# 1540
Delta R.T. 0.00 min
Lab File: BF120311.D
Acq: 15 May 2020 00:40

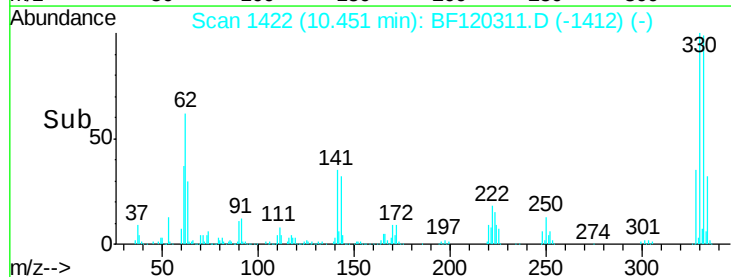
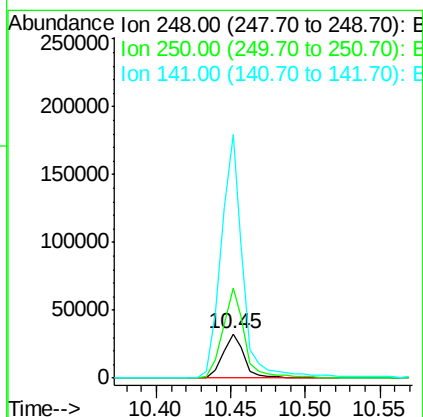
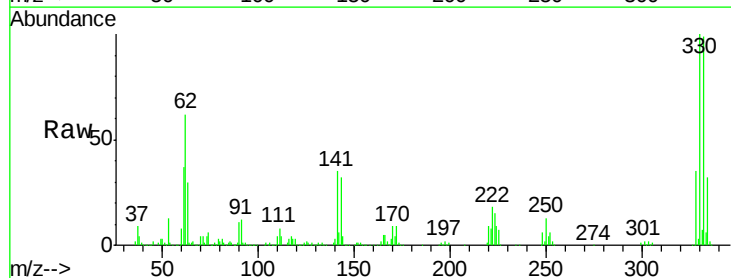
Instrument :
BNA_F
ClientSampleId :

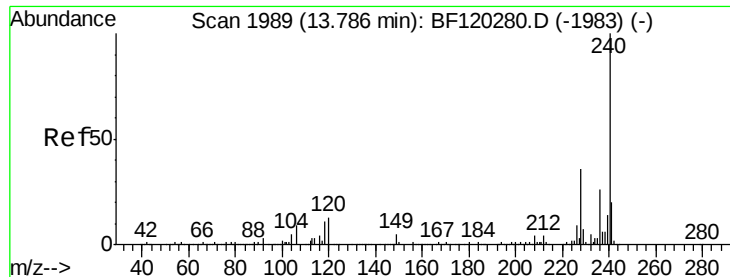
Tot Ion:188 Resp: 1065018
Ion Ratio Lower Upper
188 100
94 9.7 8.6 13.0
80 10.1 9.2 13.8



#67
4-Bromophenyl-phenylether
Concen: 3.239 ng
RT: 10.45 min Scan# 1422
Delta R.T. -0.24 min
Lab File: BF120311.D
Acq: 15 May 2020 00:40

Tgt Ion:248 Resp: 33479
Ion Ratio Lower Upper
248 100
250 201.6 77.8 116.6#
141 546.7 57.7 86.5#

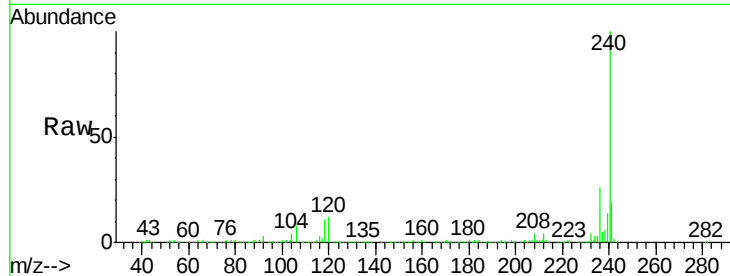




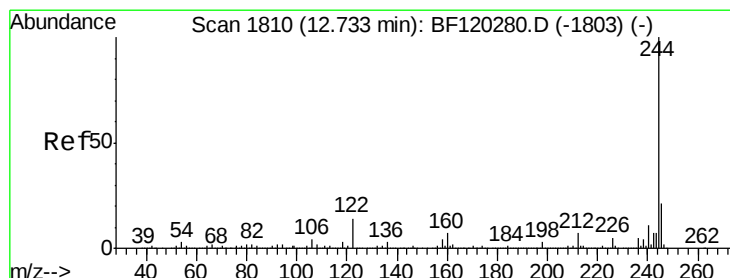
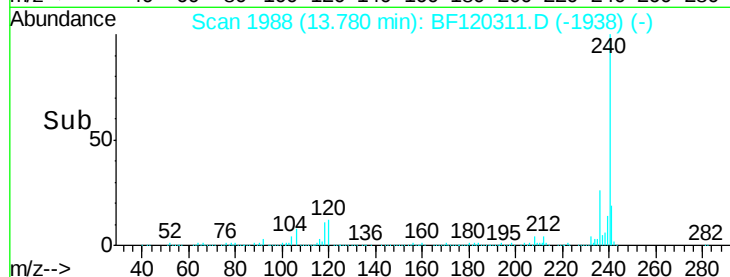
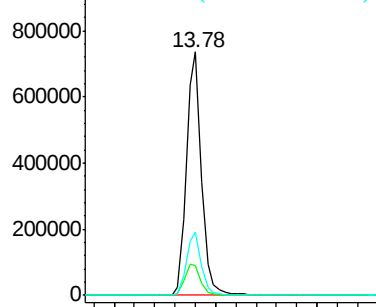
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.78 min Scan# 1988
Delta R.T. -0.01 min
Lab File: BF120311.D
Acq: 15 May 2020 00:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 760501
Ion Ratio Lower Upper
240 100
120 12.2 10.4 15.6
236 25.8 21.0 31.6

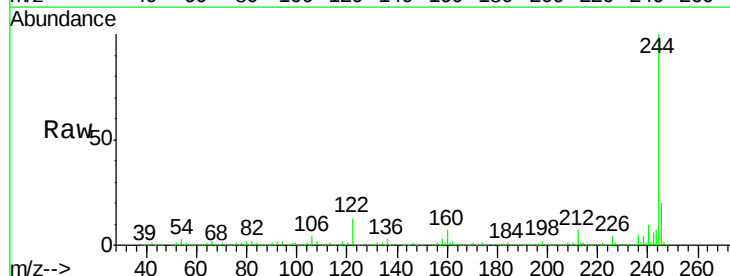


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

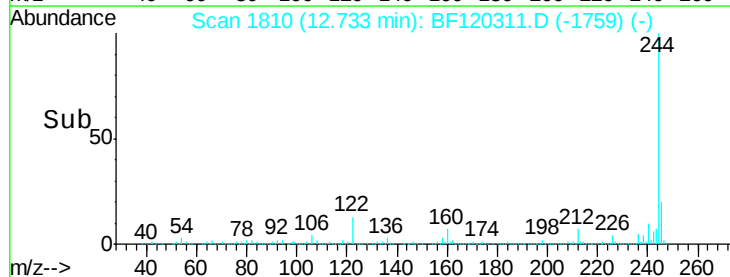
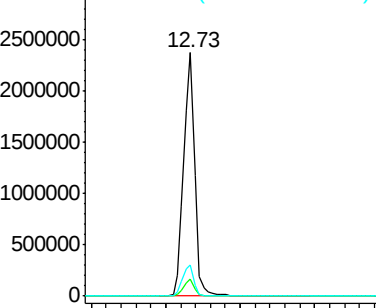


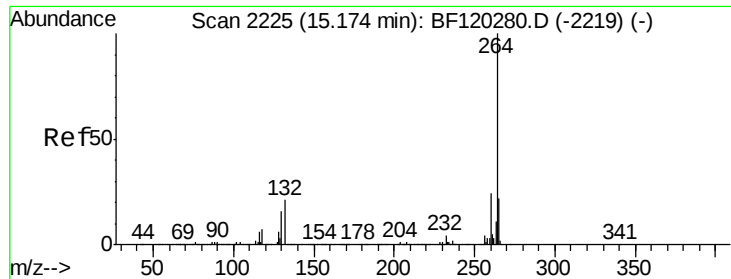
#79
Terphenyl-d14
Concen: 70.903 ng
RT: 12.73 min Scan# 1810
Delta R.T. 0.00 min
Lab File: BF120311.D
Acq: 15 May 2020 00:40

Tgt Ion:244 Resp: 2440769
Ion Ratio Lower Upper
244 100
212 6.8 5.8 8.6
122 13.0 10.8 16.2



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

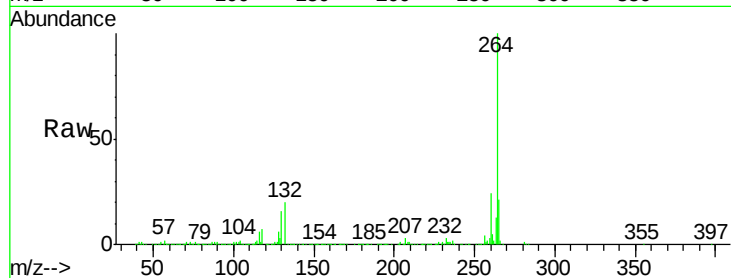




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.17 min Scan# 2225
Delta R.T. 0.00 min
Lab File: BF120311.D
Acq: 15 May 2020 00:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.0	28.6
265	21.4	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

