

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010919\
 Data File : BF111976.D
 Acq On : 10 Jan 2019 4:22
 Operator : JU/SJ
 Sample : K1082-14
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 10 06:55:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 07 14:33:51 2019
 Response via : Initial Calibration

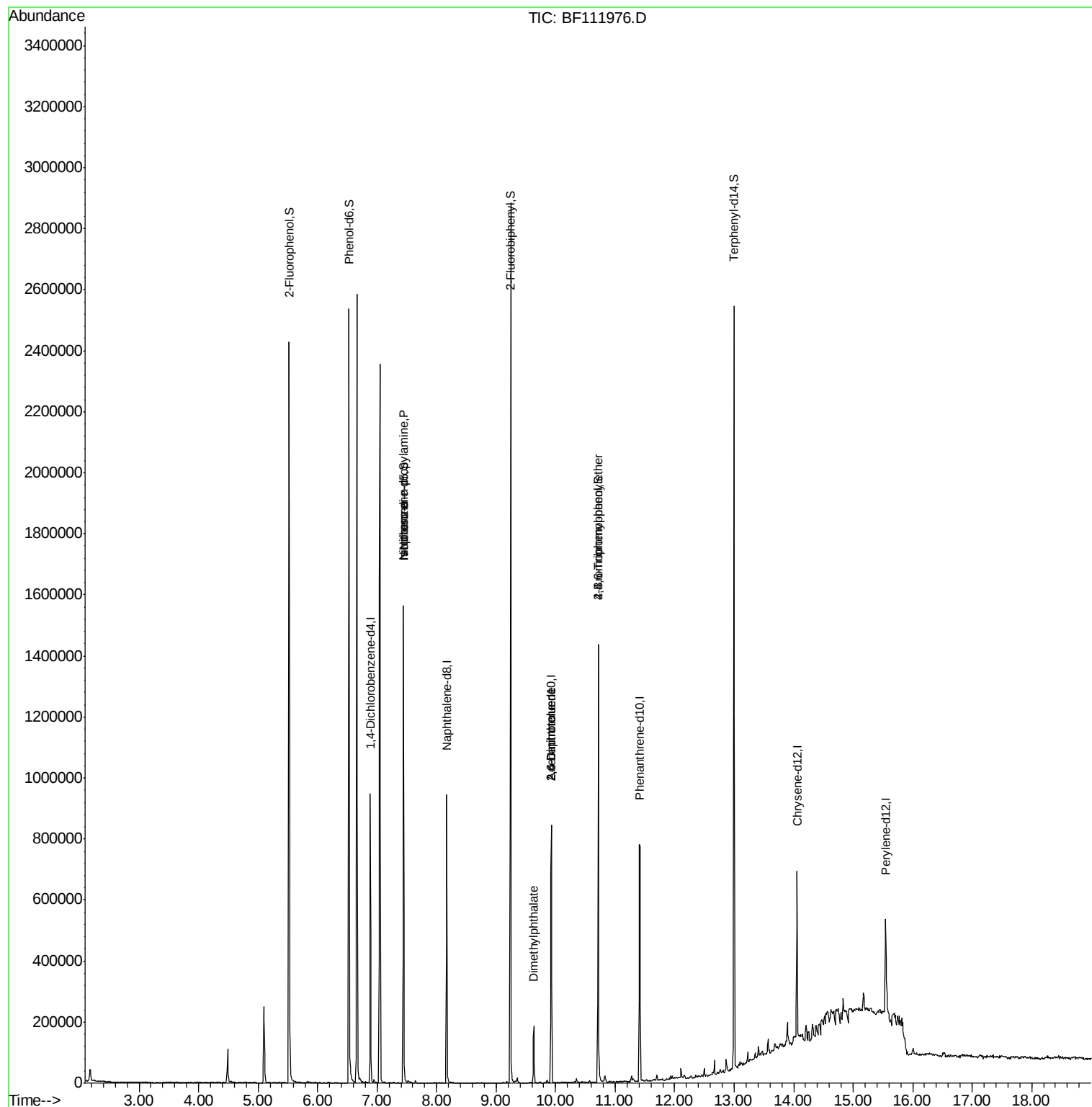
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	126794	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	391411	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	167256	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	311356	20.00	ng	0.00
76) Chrysene-d12	14.06	240	177428	20.00	ng	0.00
87) Perylene-d12	15.54	264	152695	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	636495	85.88	ng	0.00
7) Phenol-d6	6.53	99	747622	78.27	ng	0.00
23) Nitrobenzene-d5	7.45	82	457255	62.44	ng	-0.01
42) 2,4,6-Tribromophenol	10.72	330	173168	79.60	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	889314	77.53	ng	0.00
79) Terphenyl-d14	13.00	244	783226	83.79	ng	0.00
Target Compounds						
9) Benzaldehyde	6.53	77	1268	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.45	70	61600	9.925 ng	#	76
25) Isophorone	7.45	82	457250	38.557 ng	#	65
50) Dimethylphthalate	9.63	163	75342	5.996 ng	#	98
51) 2,6-Dinitrotoluene	9.93	165	20926	7.448 ng	#	26
57) 2,4-Dinitrotoluene	9.93	165	20926	5.764 ng	#	27
67) 4-Bromophenyl-phenylether	10.72	248	10600	2.628 ng	#	1

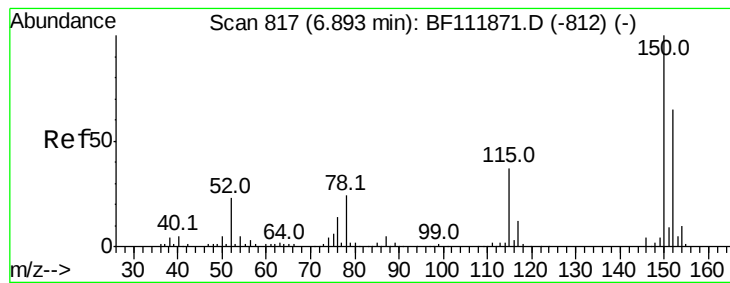
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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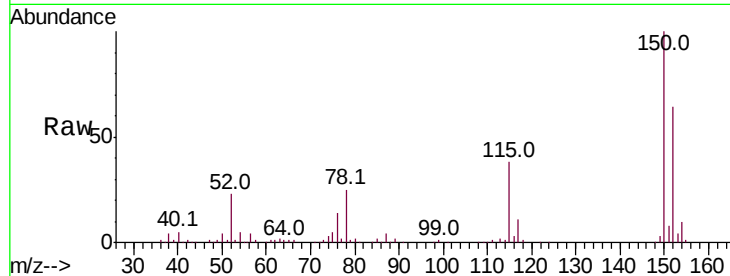


#1

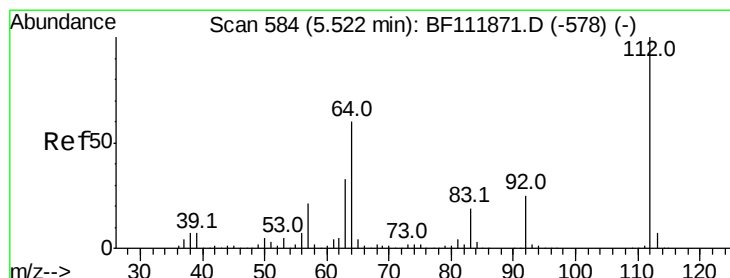
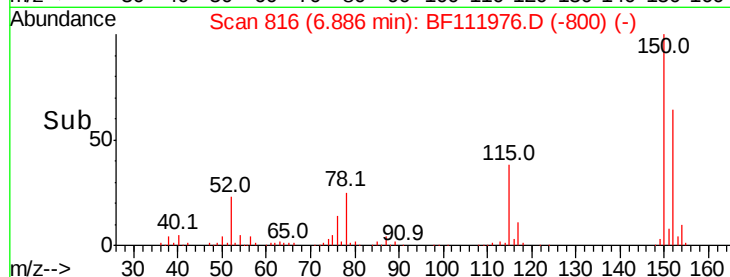
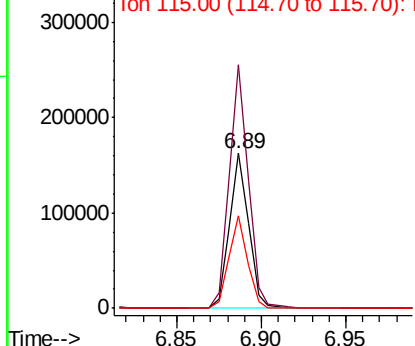
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF111976.D
Acq: 10 Jan 2019 4:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 126794
Ion Ratio Lower Upper
152 100
150 156.9 122.7 184.1
115 59.3 45.2 67.8



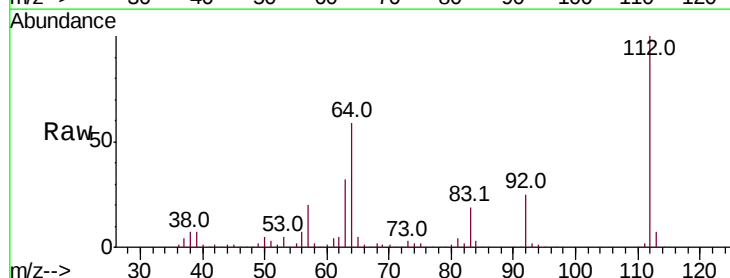
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



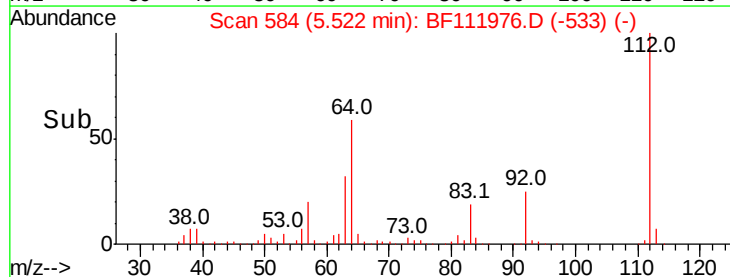
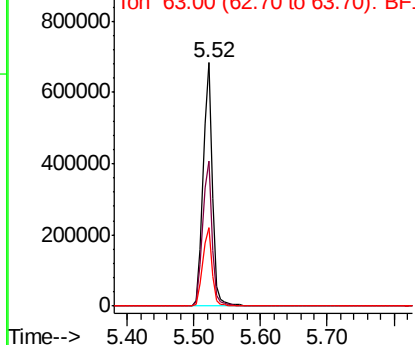
#5

2-Fluorophenol
Concen: 85.881 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.00 min
Lab File: BF111976.D
Acq: 10 Jan 2019 4:22

Tgt Ion:112 Resp: 636495
Ion Ratio Lower Upper
112 100
64 59.5 48.3 72.5
63 32.2 26.1 39.1



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: 78.266 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF111976.D

Acq: 10 Jan 2019 4:22

Instrument :

BNA_F

ClientSampleId :

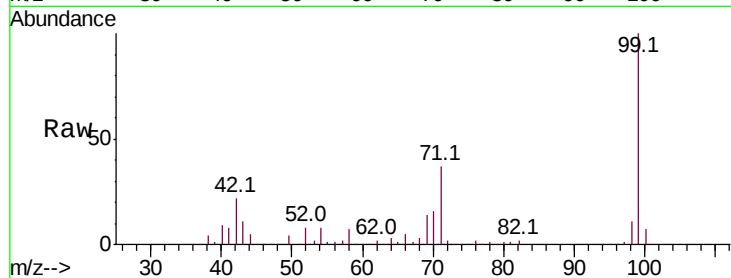
Tot Ion: 99 Resp: 747622

Ion Ratio Lower Upper

99 100

42 21.6 17.9 26.9

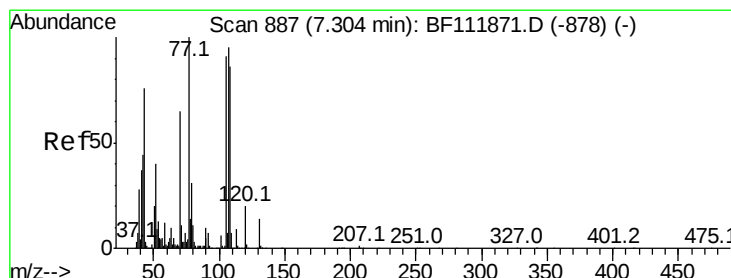
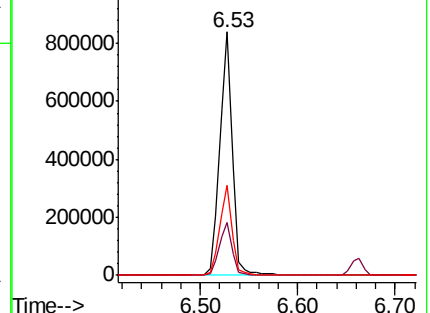
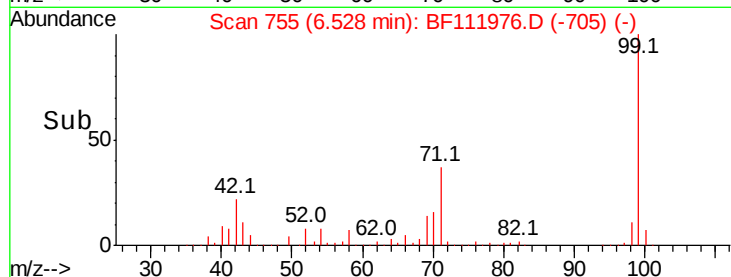
71 36.7 28.7 43.1



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: 9.925 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.14 min

Lab File: BF111976.D

Acq: 10 Jan 2019 4:22

Tgt Ion: 70 Resp: 61600

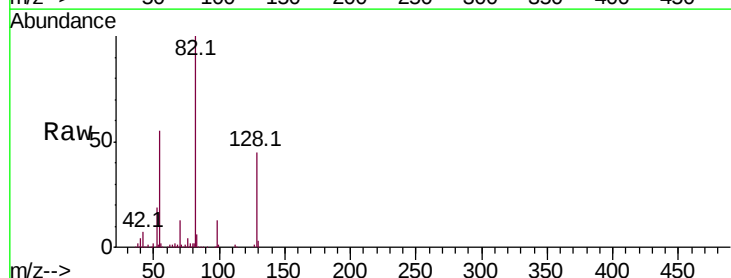
Ion Ratio Lower Upper

70 100

42 51.9 53.6 80.4#

101 0.0 7.3 10.9#

130 1.8 16.8 25.2#

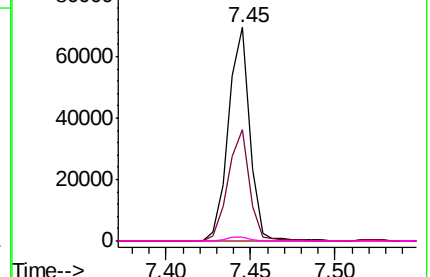
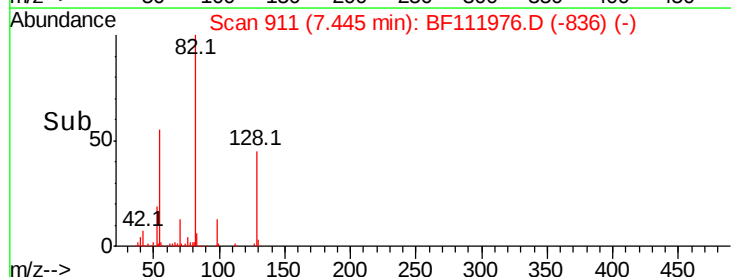


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.17 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BF111976.D

Acq: 10 Jan 2019 4:22

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 391411

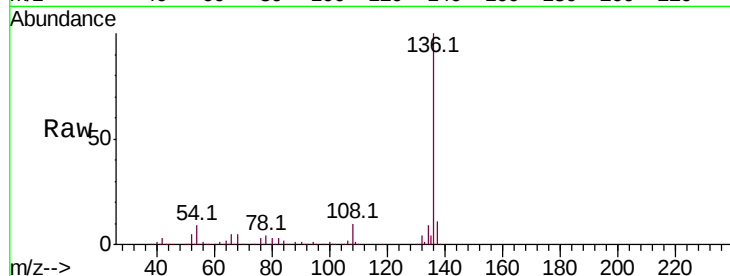
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 8.7 7.2 10.8

68 5.3 4.4 6.6

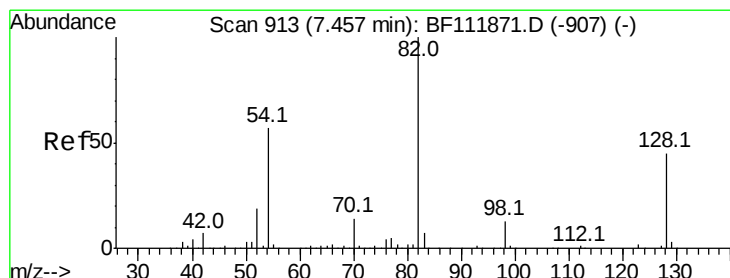
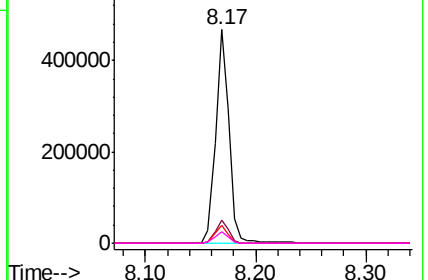
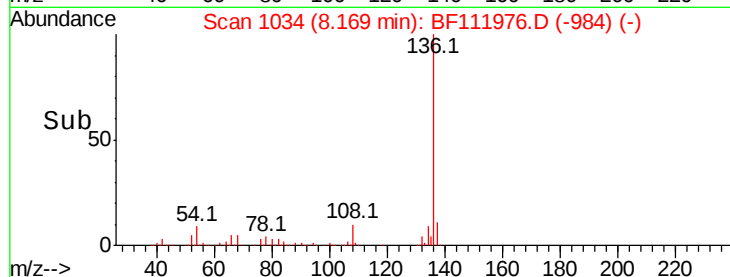


Abundance Ion 136.00 (135.70 to 136.70): E

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: 62.436 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF111976.D

Acq: 10 Jan 2019 4:22

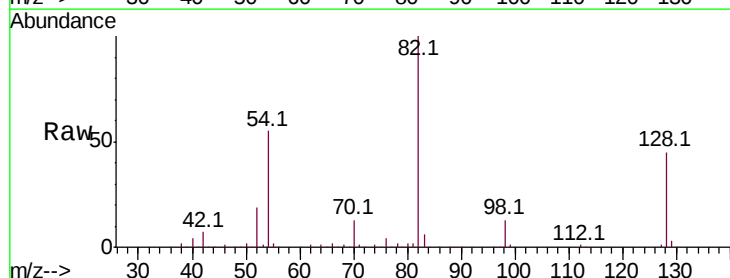
Tgt Ion: 82 Resp: 457255

Ion Ratio Lower Upper

82 100

128 44.9 35.7 53.5

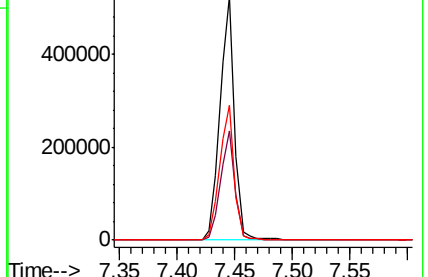
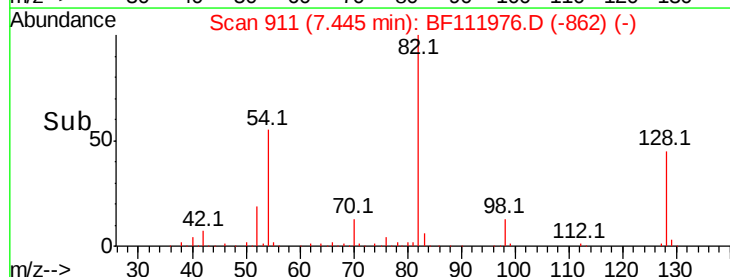
54 55.2 45.8 68.8

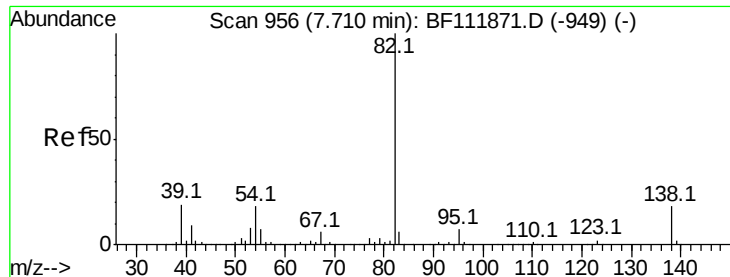


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 38.557 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF111976.D

Acq: 10 Jan 2019 4:22

Instrument :
BNA_F
ClientSampleId :

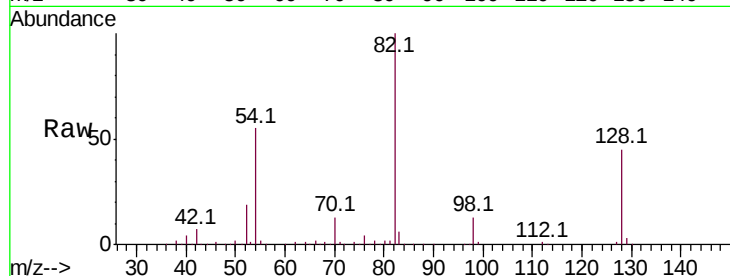
Tot Ion: 82 Resp: 457250

Ion Ratio Lower Upper

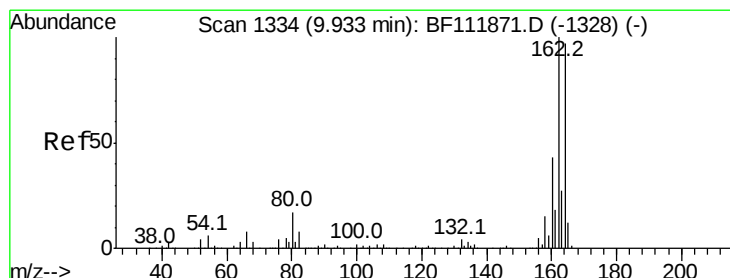
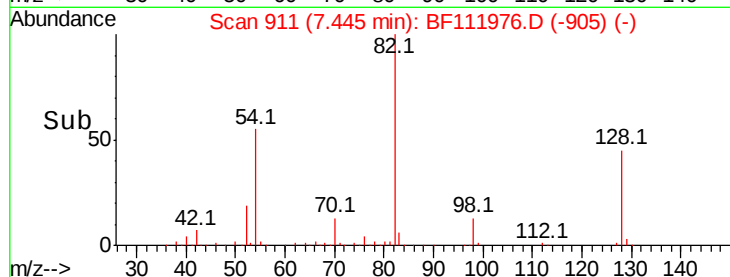
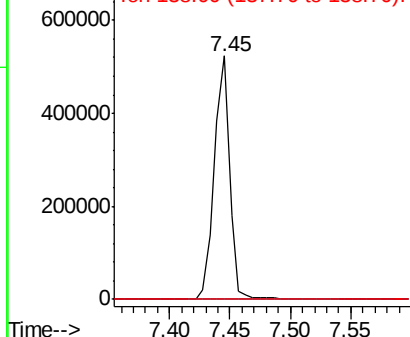
82 100

95 0.0 5.8 8.6#

138 0.0 14.4 21.6#



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: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF111976.D

Acq: 10 Jan 2019 4:22

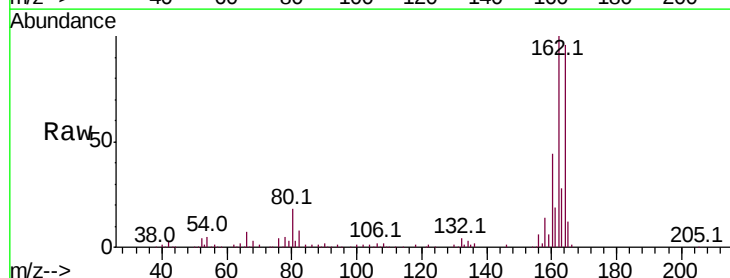
Tgt Ion:164 Resp: 167256

Ion Ratio Lower Upper

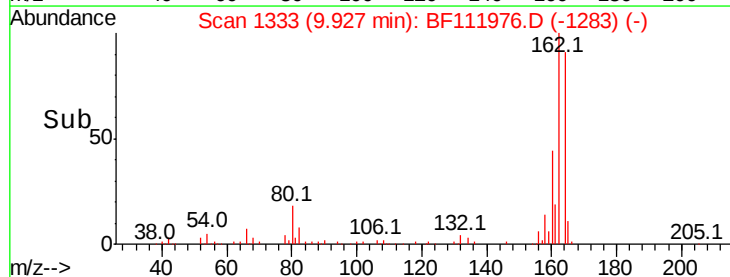
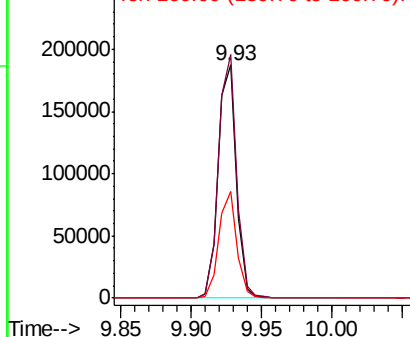
164 100

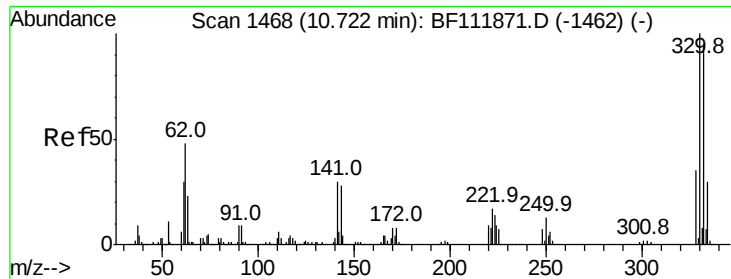
162 104.4 82.2 123.2

160 45.5 35.5 53.3



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

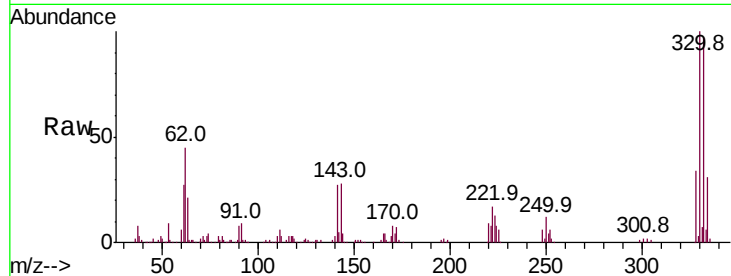




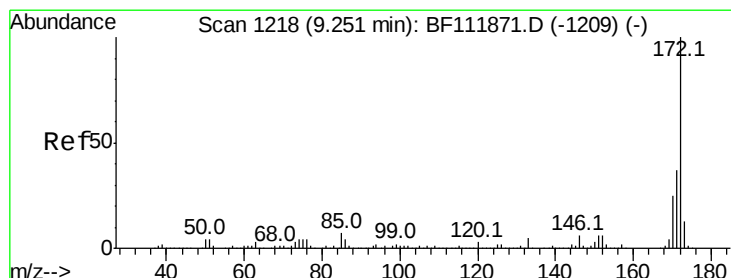
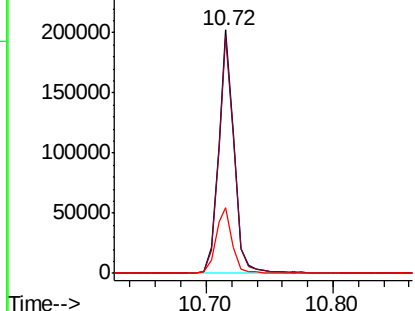
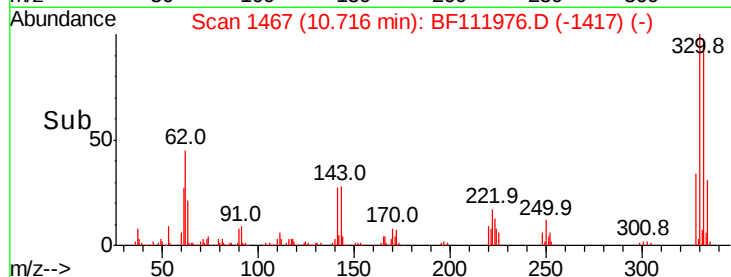
#42
 2,4,6-Tribromophenol
 Concen: 79.599 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF111976.D
 Acq: 10 Jan 2019 4:22

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.1	76.9	115.3
141	28.6	23.7	35.5

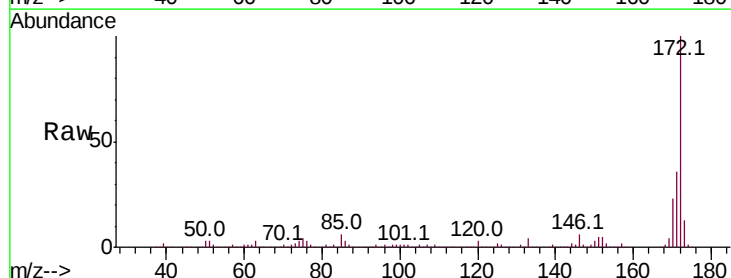


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

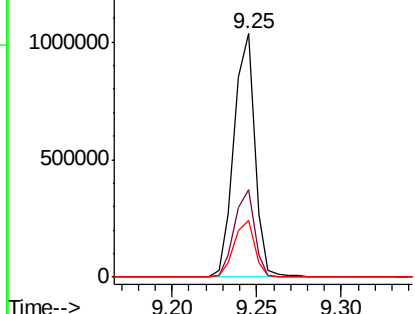
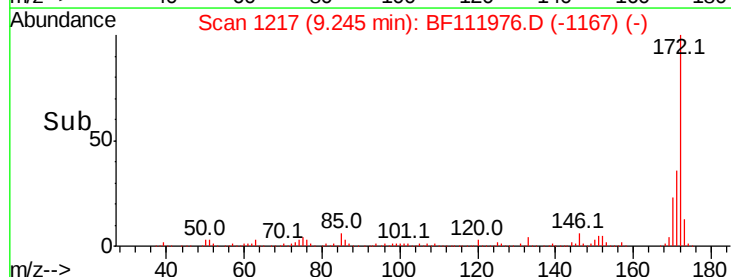


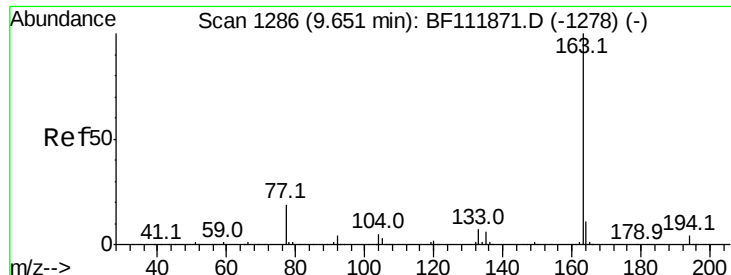
#45
 2-Fluorobiphenyl
 Concen: 77.534 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF111976.D
 Acq: 10 Jan 2019 4:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.6	44.4
170	23.5	19.8	29.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 5.996 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.02 min

Lab File: BF111976.D

Acq: 10 Jan 2019 4:22

Instrument :

BNA_F

ClientSampleId :

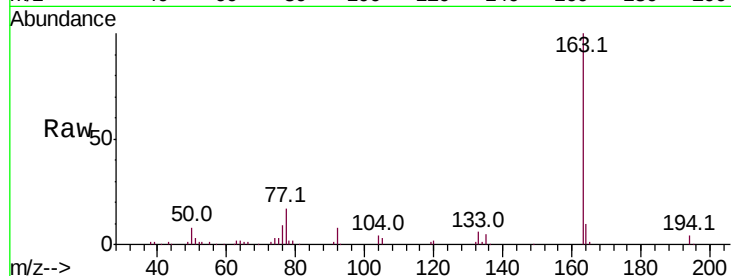
Tot Ion:163 Resp: 75342

Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.2

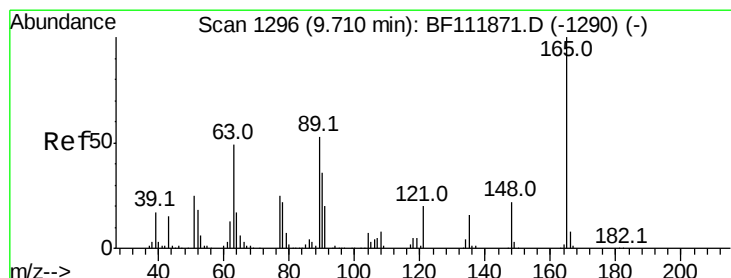
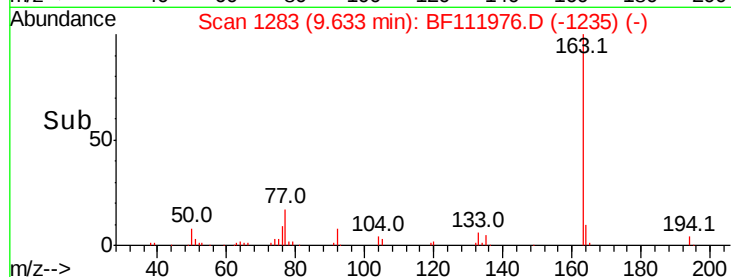
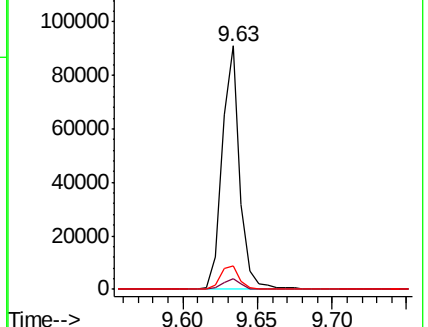
164 9.6 8.5 12.7



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



#51

2,6-Dinitrotoluene

Concen: 7.448 ng

RT: 9.93 min Scan# 1333

Delta R.T. 0.22 min

Lab File: BF111976.D

Acq: 10 Jan 2019 4:22

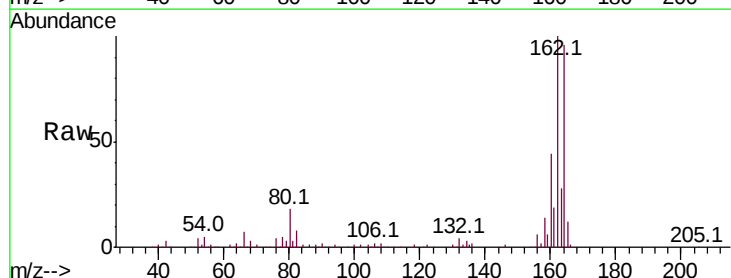
Tgt Ion:165 Resp: 20926

Ion Ratio Lower Upper

165 100

63 1.5 46.2 69.2#

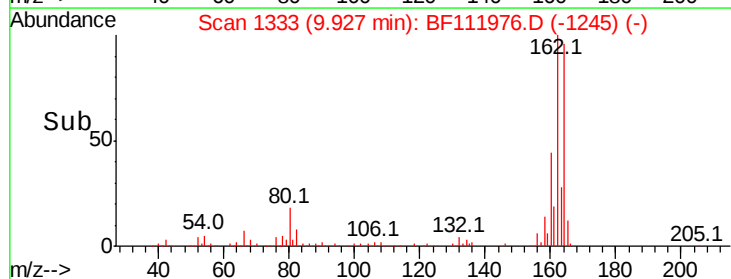
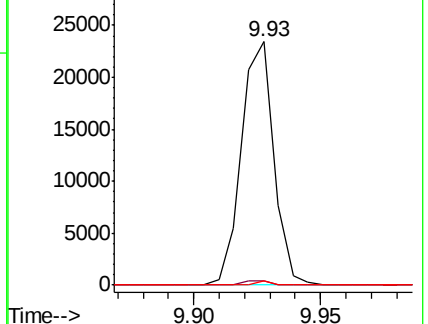
89 1.7 42.2 63.2#

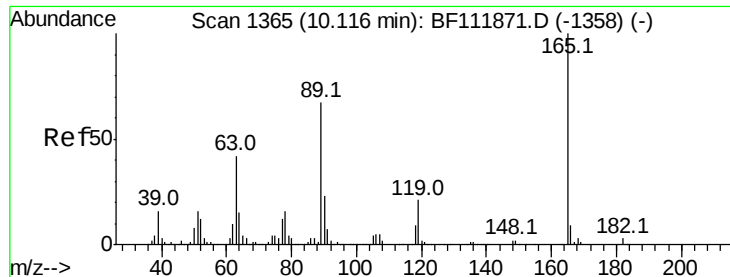


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

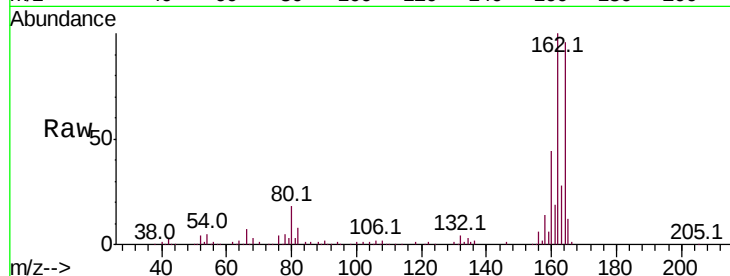




#57
 2,4-Dinitrotoluene
 Concen: 5.764 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.19 min
 Lab File: BF111976.D
 Acq: 10 Jan 2019 4:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	34.1	51.1#
89	1.7	53.5	80.3#
182	0.0	2.0	3.0#

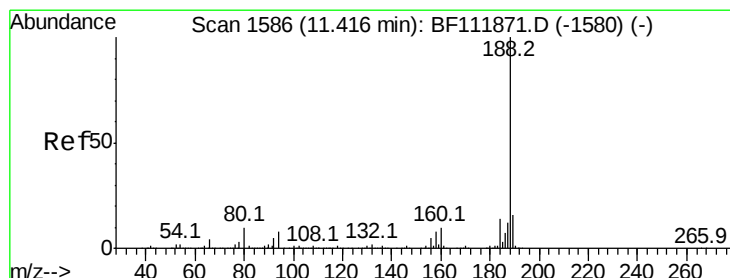
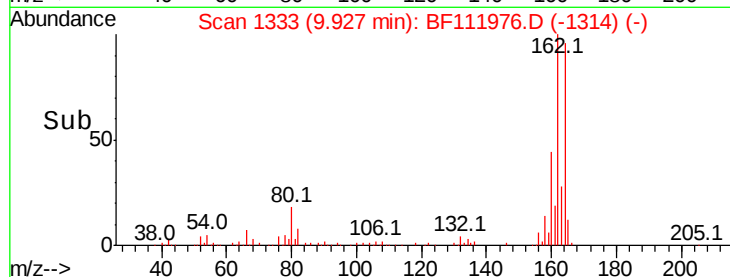
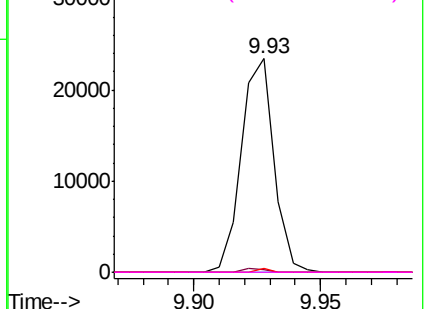


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

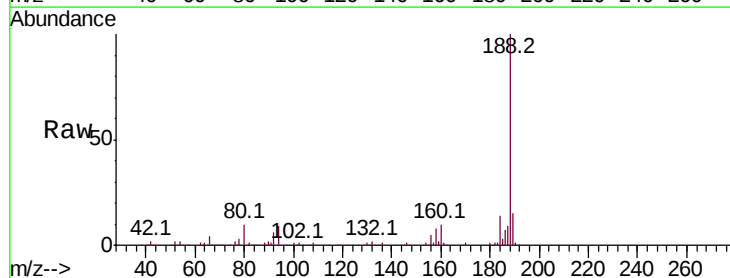
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF111976.D
 Acq: 10 Jan 2019 4:22

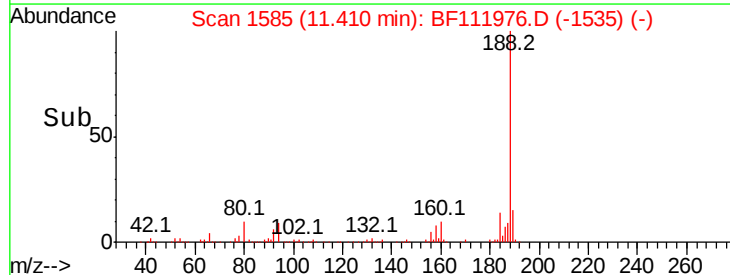
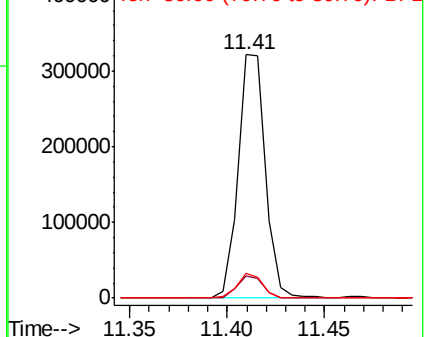
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	6.6	10.0
80	10.2	7.7	11.5

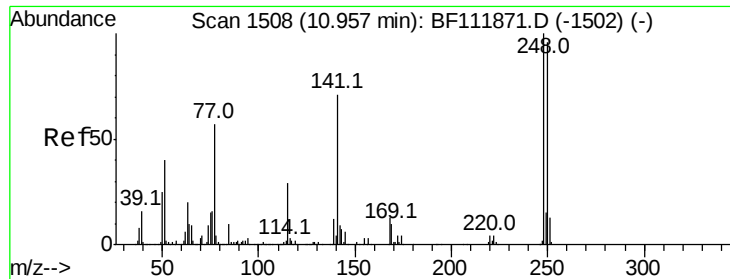


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

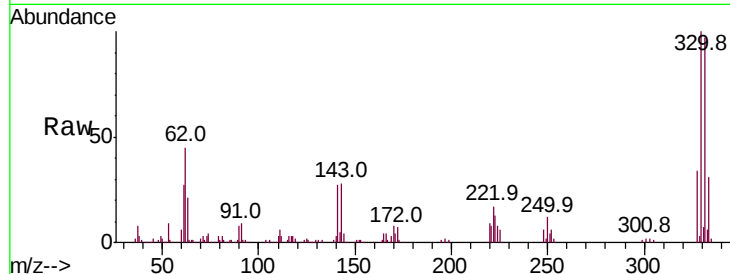




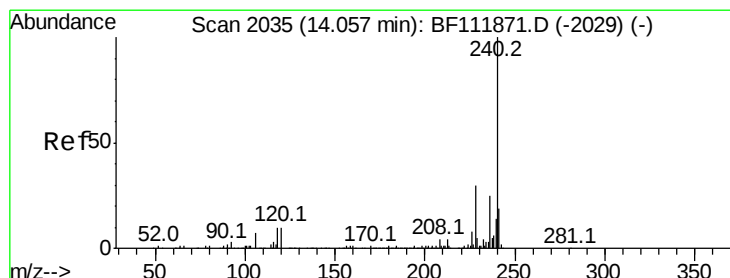
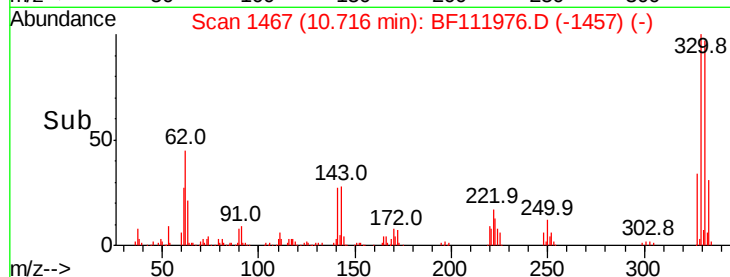
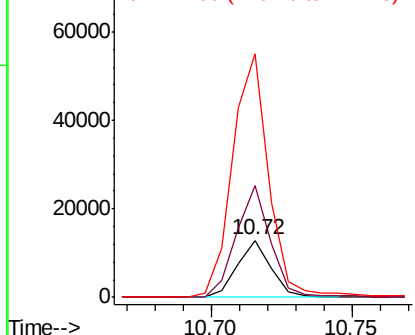
#67
4-Bromophenyl-phenylether
Concen: 2.628 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.24 min
Lab File: BF111976.D
Acq: 10 Jan 2019 4:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 10600
Ion Ratio Lower Upper
248 100
250 195.2 76.8 115.2#
141 427.2 57.0 85.6#

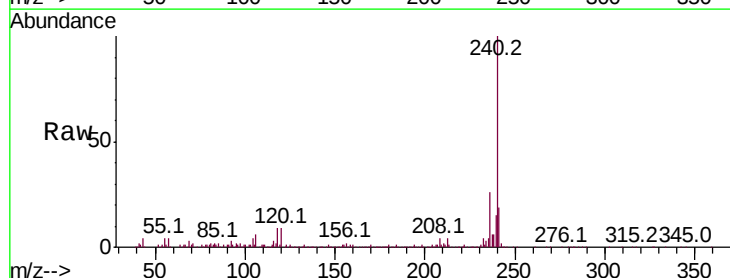


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

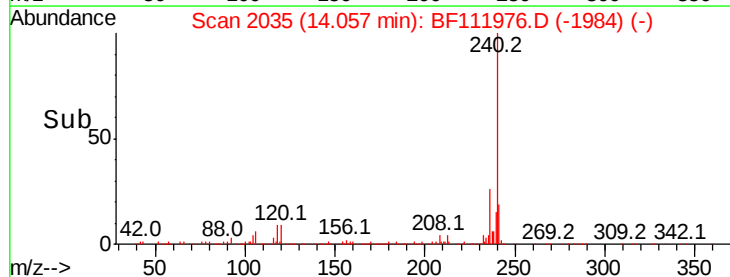
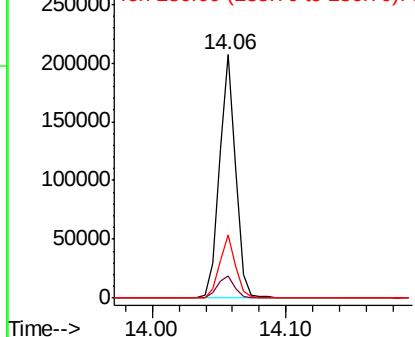


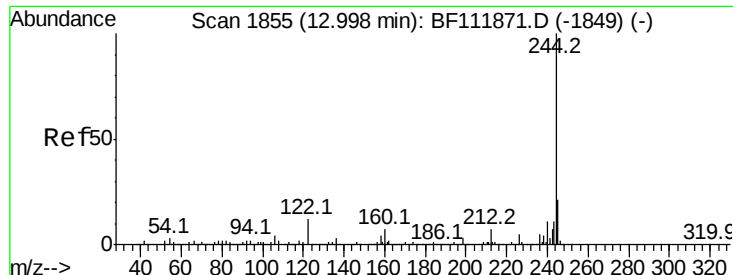
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.00 min
Lab File: BF111976.D
Acq: 10 Jan 2019 4:22

Tgt Ion:240 Resp: 177428
Ion Ratio Lower Upper
240 100
120 9.0 8.2 12.2
236 26.1 20.2 30.4



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: 83.794 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF111976.D

Acq: 10 Jan 2019 4:22

Instrument :

BNA_F

ClientSampleId :

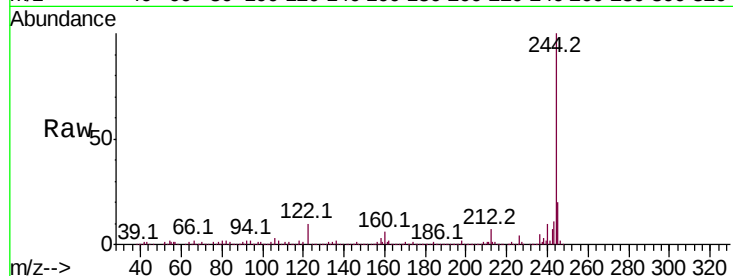
Tot Ion:244 Resp: 783226

Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.8

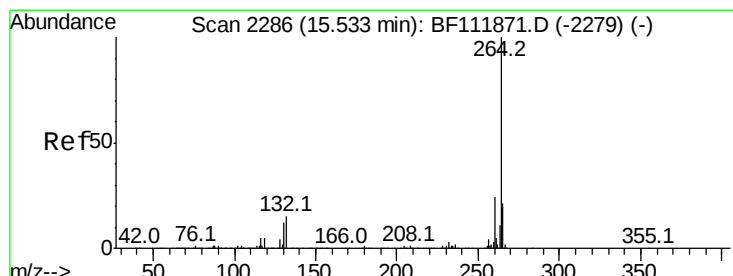
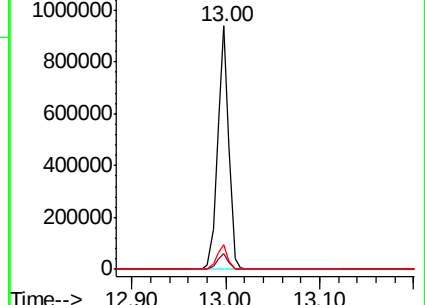
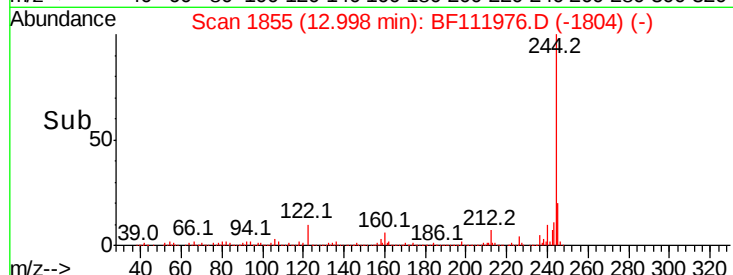
122 10.1 9.5 14.3



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

Perylene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2288

Delta R.T. 0.01 min

Lab File: BF111976.D

Acq: 10 Jan 2019 4:22

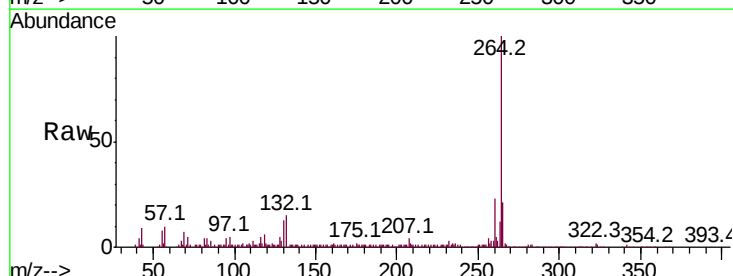
Tgt Ion:264 Resp: 152695

Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

265 21.4 17.1 25.7



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

