

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010919\
 Data File : BF111979.D
 Acq On : 10 Jan 2019 5:45
 Operator : JU/SJ
 Sample : K1082-17
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 10 06:56:08 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

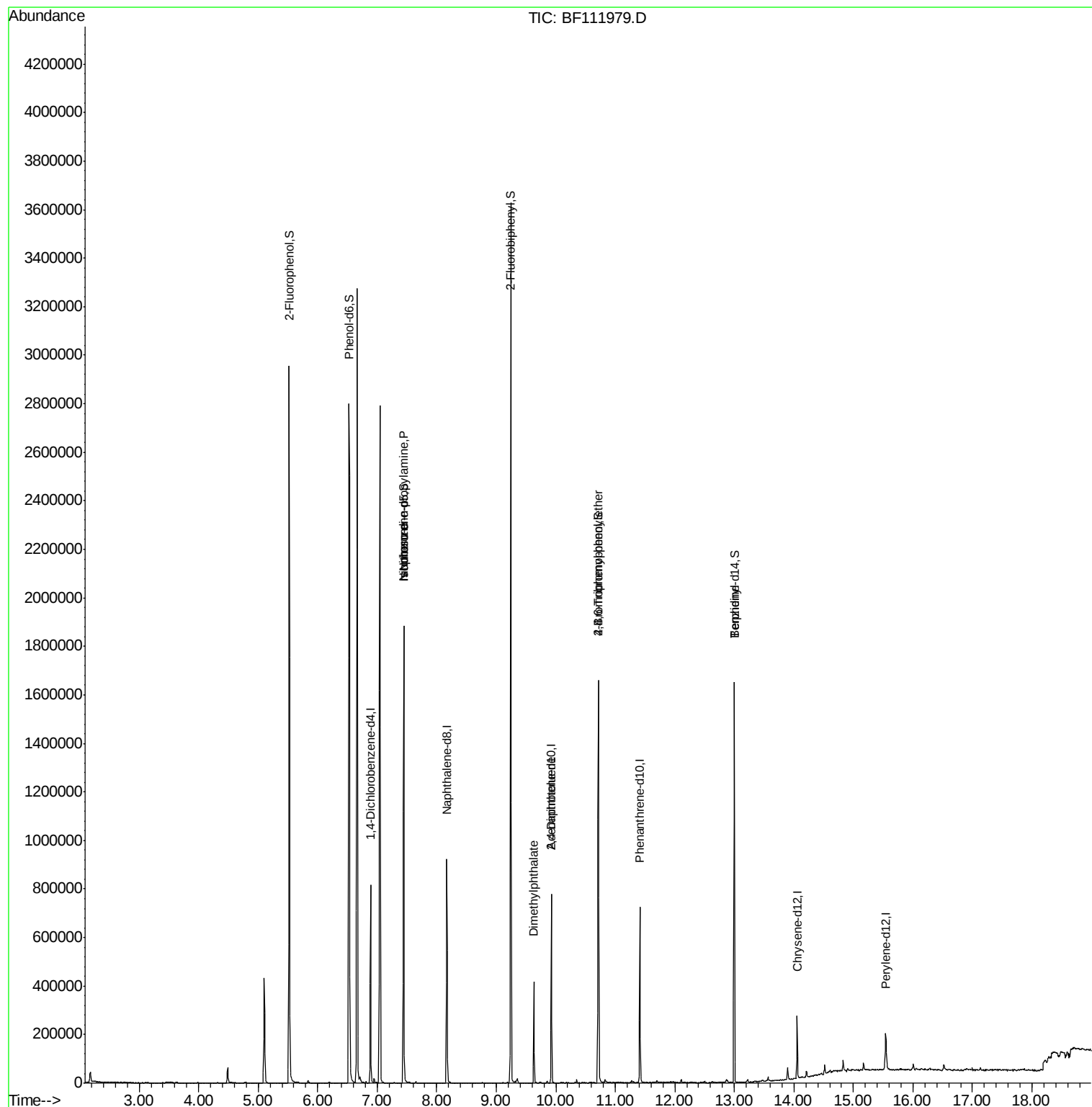
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	110484	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	371430	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	161019	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	281297	20.00	ng	0.00
76) Chrysene-d12	14.06	240	90327	20.00	ng	0.00
87) Perylene-d12	15.54	264	74087	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	745001	115.36	ng	0.00
7) Phenol-d6	6.53	99	981290	117.89	ng	0.00
23) Nitrobenzene-d5	7.45	82	567154	81.61	ng	-0.01
42) 2,4,6-Tribromophenol	10.72	330	193170	92.23	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1052155	95.28	ng	0.00
79) Terphenyl-d14	13.00	244	539345	113.34	ng	0.00
Target Compounds						
9) Benzaldehyde	6.53	77	1658	Below Cal		Qvalue # 1
19) n-Nitroso-di-n-propylamine	7.45	70	76941	14.227	ng	# 76
25) Isophorone	7.45	82	567150	50.396	ng	# 65
50) Dimethylphthalate	9.63	163	162559	13.439	ng	# 98
57) 2,4-Dinitrotoluene	9.92	165	20859	5.968	ng	# 25
67) 4-Bromophenyl-phenylether	10.72	248	11243	3.086	ng	# 1
77) Benizidine	13.00	184	7132	2.642	ng	# 96

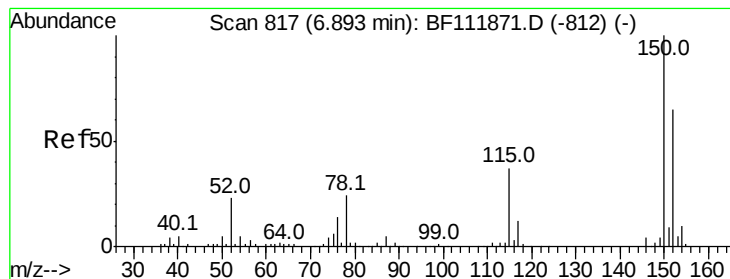
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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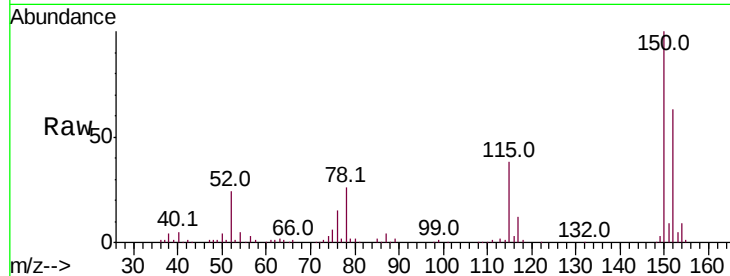


#1

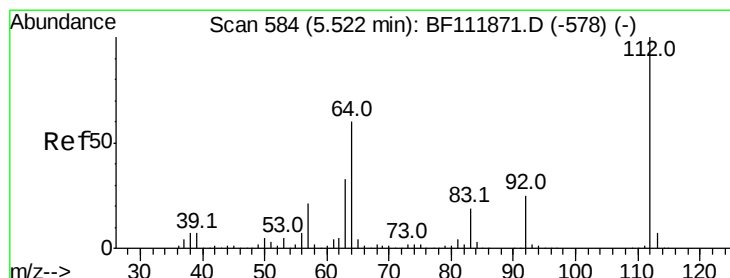
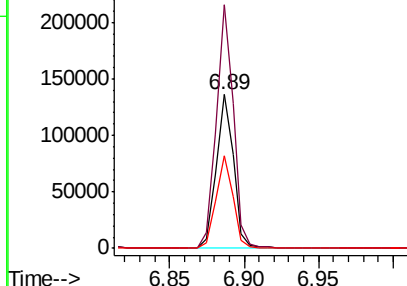
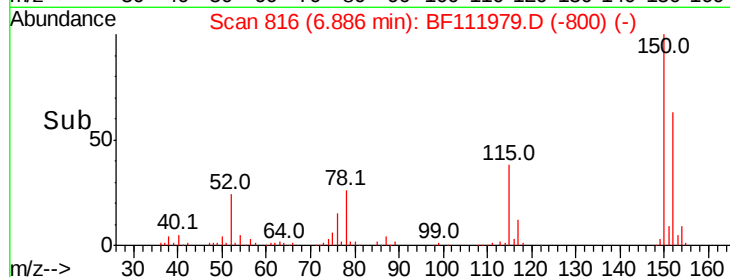
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.89 min Scan# 816
 Delta R.T. -0.01 min
 Lab File: BF111979.D
 Acq: 10 Jan 2019 5:45

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 110484
 Ion Ratio Lower Upper
 152 100
 150 158.5 122.7 184.1
 115 60.7 45.2 67.8



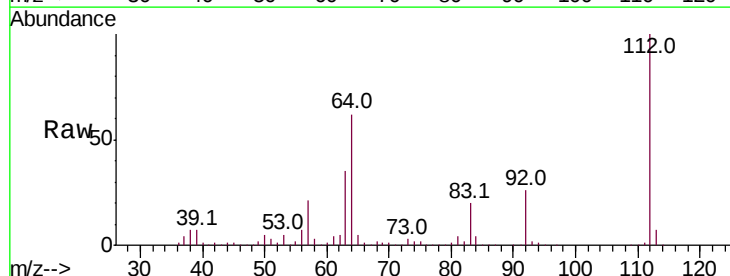
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



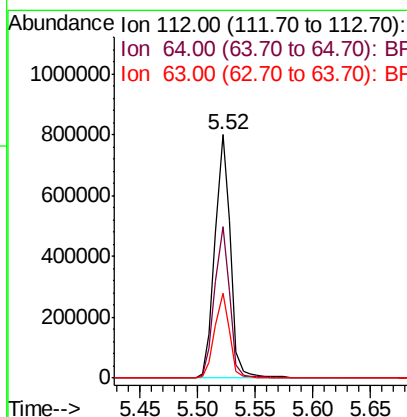
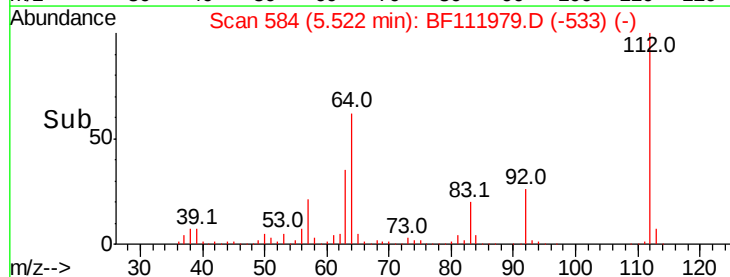
#5

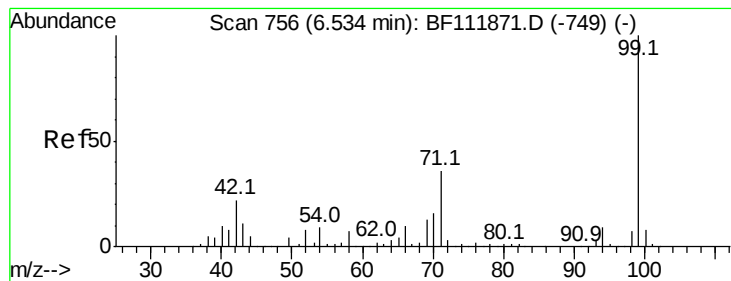
2-Fluorophenol
 Concen: 115.361 ng
 RT: 5.52 min Scan# 584
 Delta R.T. -0.00 min
 Lab File: BF111979.D
 Acq: 10 Jan 2019 5:45

Tgt Ion:112 Resp: 745001
 Ion Ratio Lower Upper
 112 100
 64 62.1 48.3 72.5
 63 34.8 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: 117.893 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF111979.D

Acq: 10 Jan 2019 5:45

Instrument :

BNA_F

ClientSampleId :

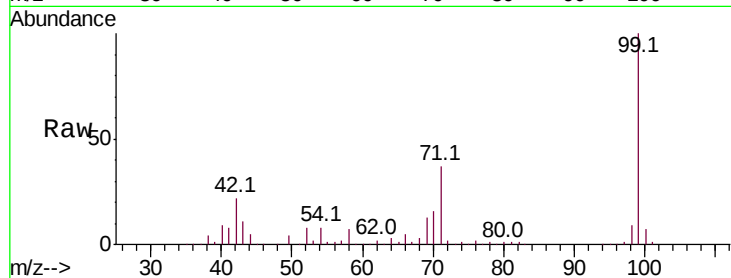
Tot Ion: 99 Resp: 981290

Ion Ratio Lower Upper

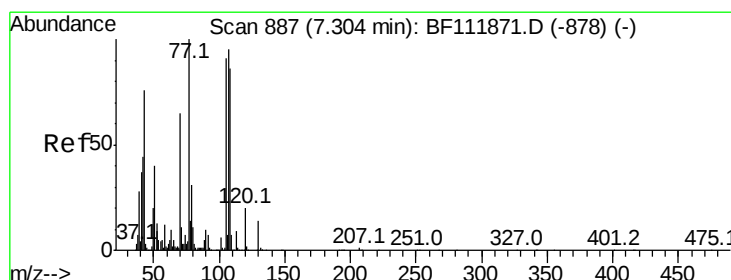
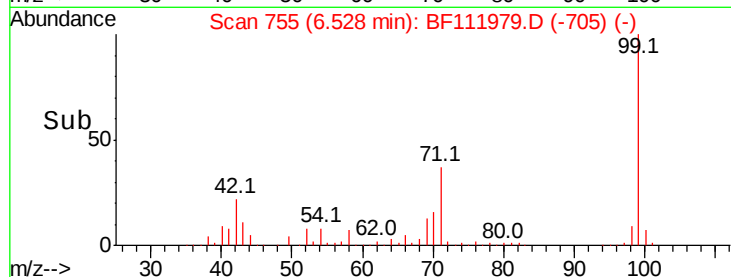
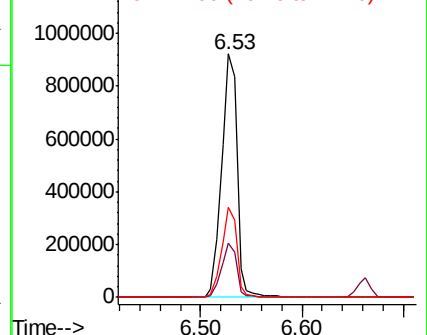
99 100

42 22.4 17.9 26.9

71 37.2 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: 14.227 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.14 min

Lab File: BF111979.D

Acq: 10 Jan 2019 5:45

Tgt Ion: 70 Resp: 76941

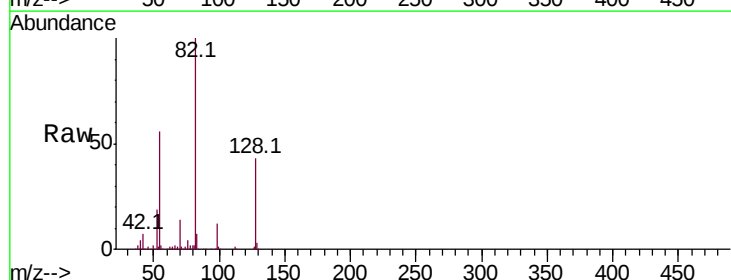
Ion Ratio Lower Upper

70 100

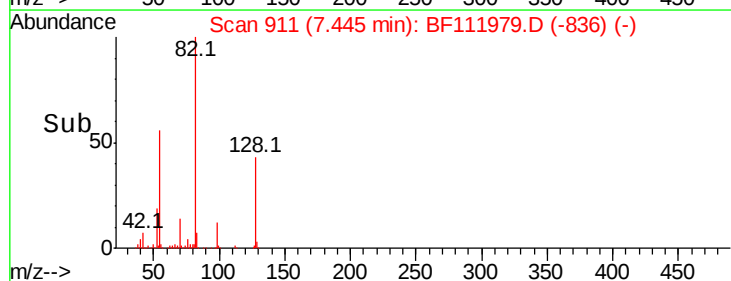
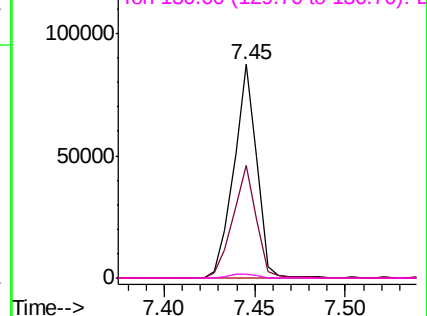
42 52.7 53.6 80.4#

101 0.0 7.3 10.9#

130 1.9 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

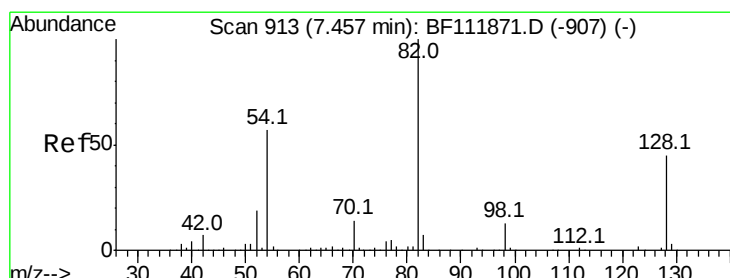
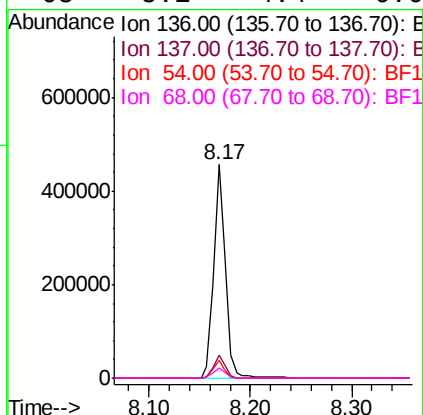
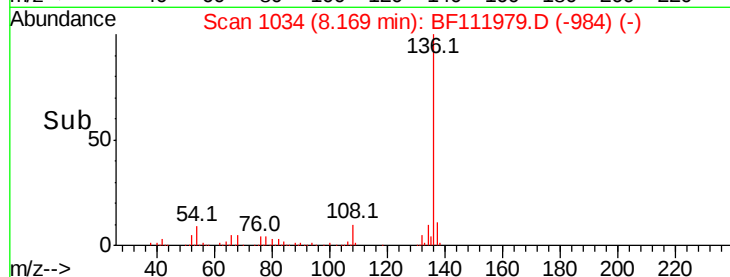
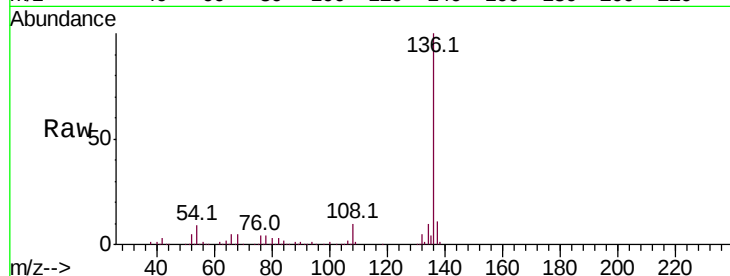




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF111979.D
Acq: 10 Jan 2019 5:45

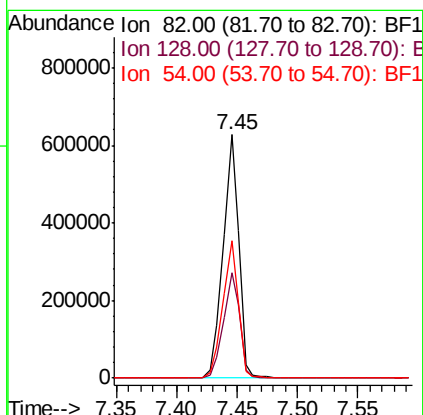
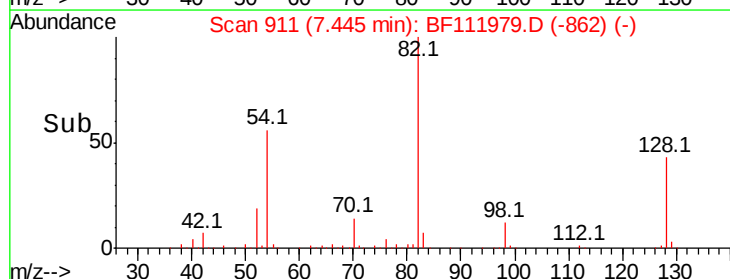
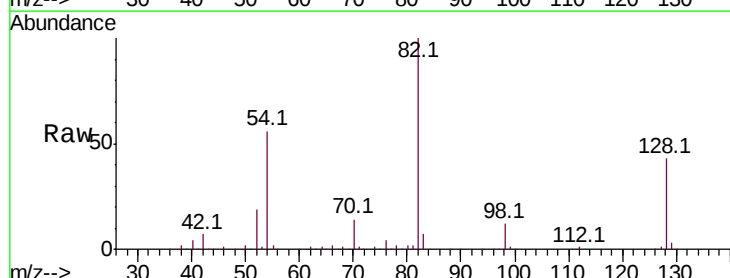
Instrument :
BNA_F
ClientSampleId :

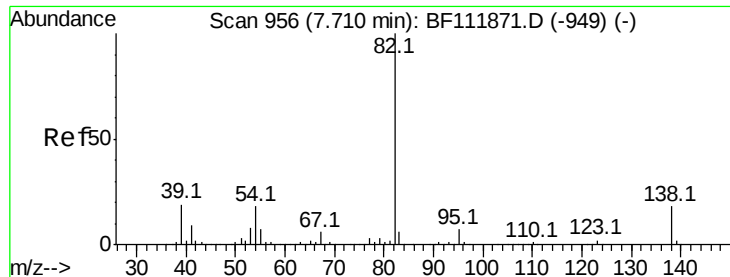
Tot Ion:136	Resp:	371430
Ion	Ratio	Lower Upper
136	100	
137	10.7	9.1 13.7
54	8.7	7.2 10.8
68	5.1	4.4 6.6



#23
Nitrobenzene-d5
Concen: 81.608 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF111979.D
Acq: 10 Jan 2019 5:45

Tgt Ion: 82	Resp:	567154
Ion	Ratio	Lower Upper
82	100	
128	43.5	35.7 53.5
54	56.4	45.8 68.8





#25

Isophorone

Concen: 50.396 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF111979.D

Acq: 10 Jan 2019 5:45

Instrument :

BNA_F

ClientSampled :

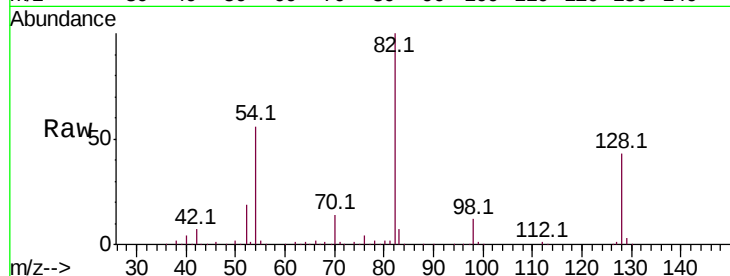
Tot Ion: 82 Resp: 567150

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

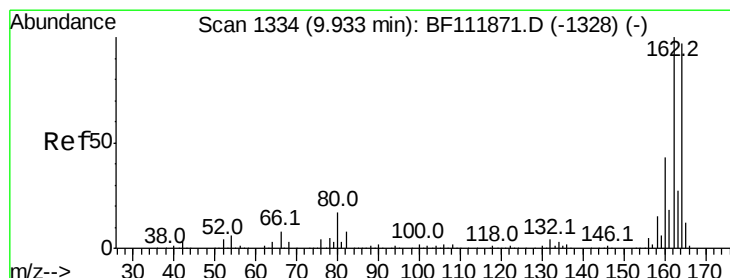
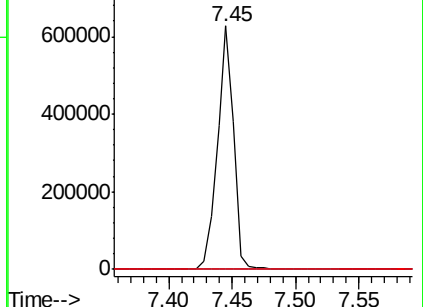
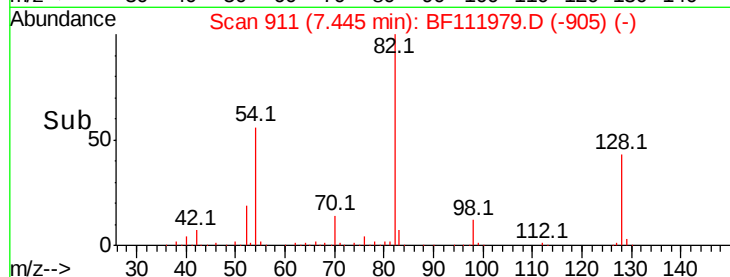
138 0.0 14.4 21.6#



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: BF111979.D

Acq: 10 Jan 2019 5:45

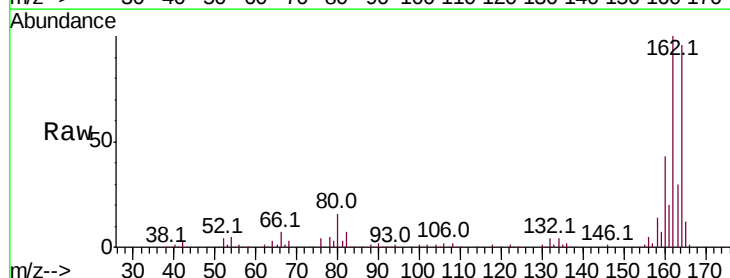
Tgt Ion:164 Resp: 161019

Ion Ratio Lower Upper

164 100

162 104.4 82.2 123.2

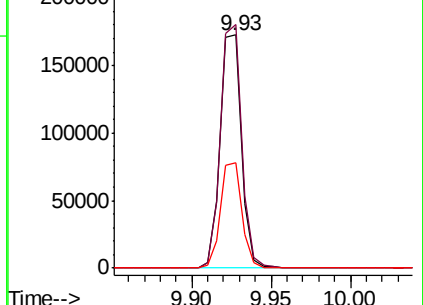
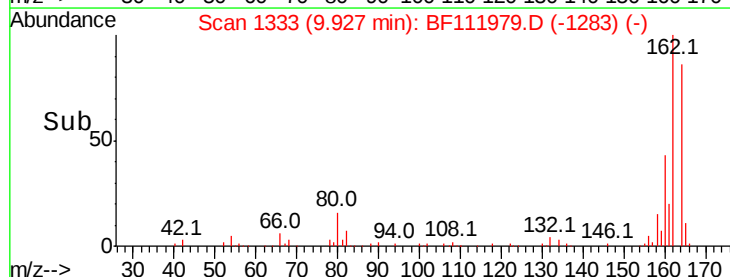
160 45.0 35.5 53.3

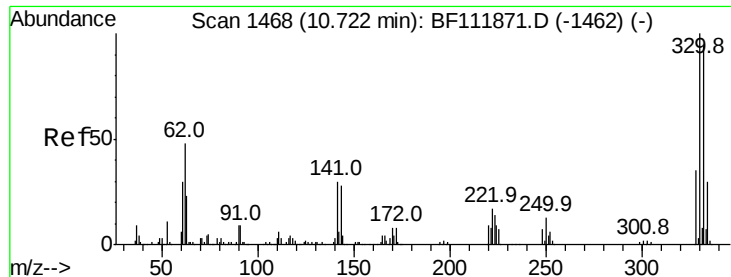


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

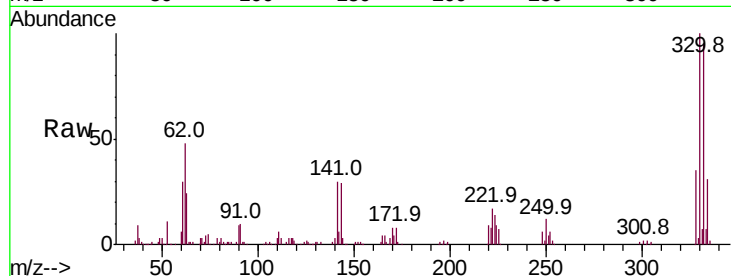




#42
 2,4,6-Tribromophenol
 Concen: 92.233 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF111979.D
 Acq: 10 Jan 2019 5:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.9	115.3
141	30.3	23.7	35.5

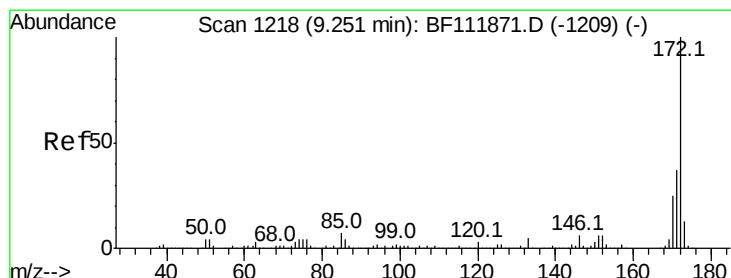
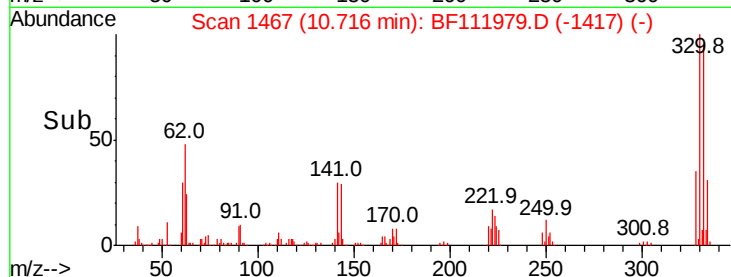
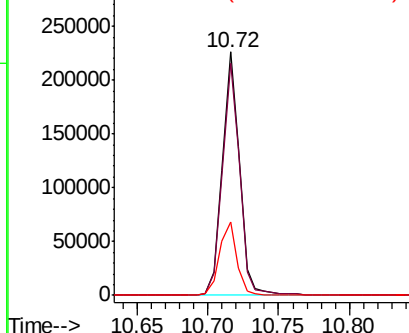


Abundance

Ion 329.80 (329.50 to 330.50): E

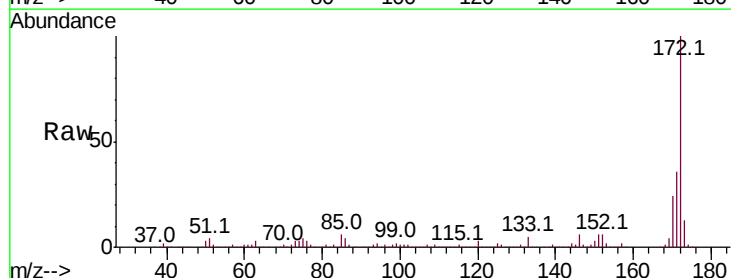
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 95.284 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF111979.D
 Acq: 10 Jan 2019 5:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.6	44.4
170	23.7	19.8	29.8

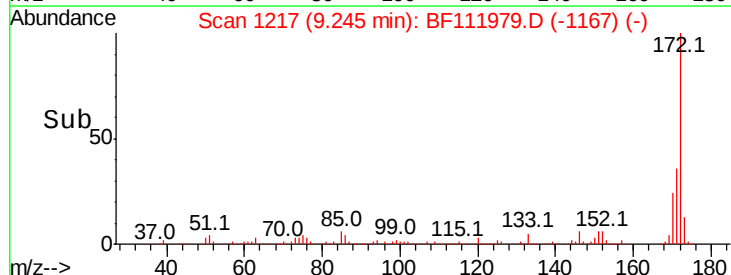
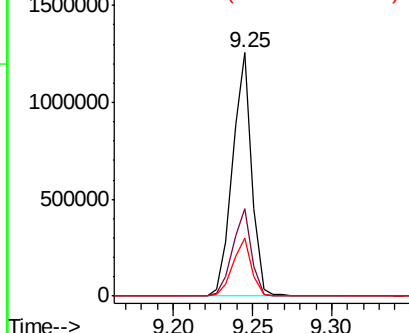


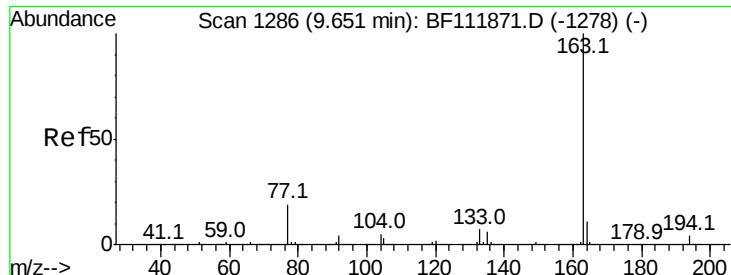
Abundance

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: 13.439 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.02 min

Lab File: BF111979.D

Acq: 10 Jan 2019 5:45

Instrument :

BNA_F

ClientSampleId :

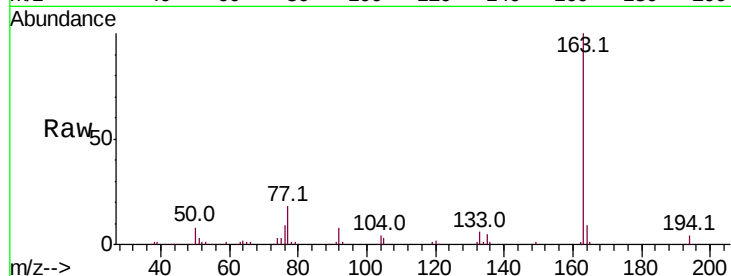
Tot Ion:163 Resp: 162559

Ion Ratio Lower Upper

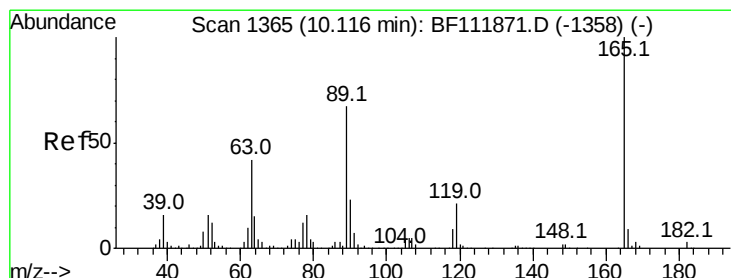
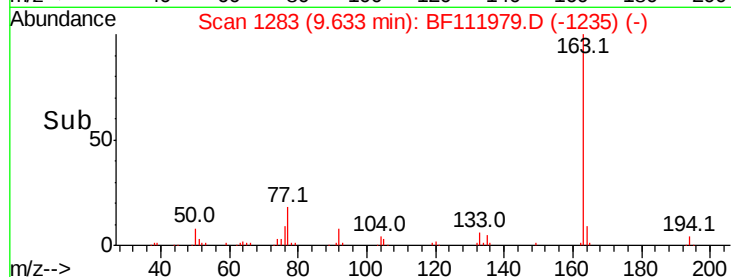
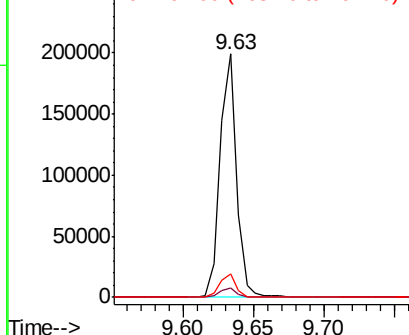
163 100

194 4.0 3.4 5.2

164 9.4 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



#57

2,4-Dinitrotoluene

Concen: 5.968 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.19 min

Lab File: BF111979.D

Acq: 10 Jan 2019 5:45

Tgt Ion:165 Resp: 20859

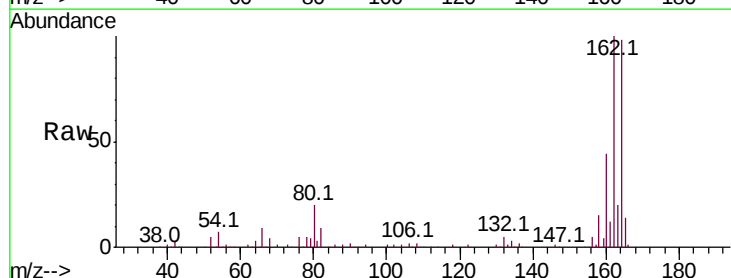
Ion Ratio Lower Upper

165 100

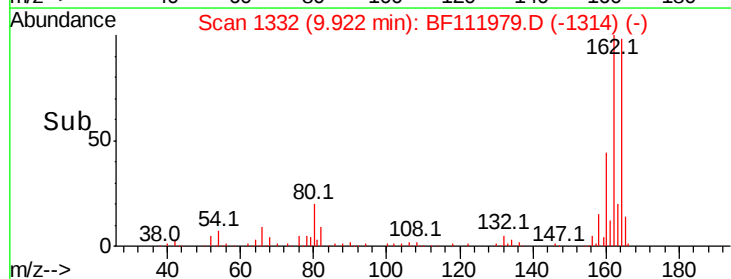
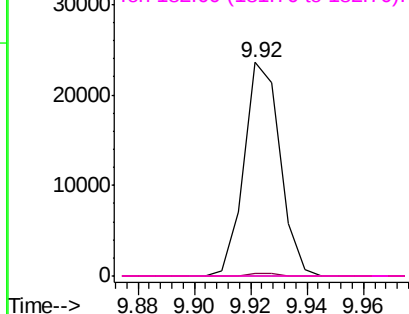
63 1.3 34.1 51.1#

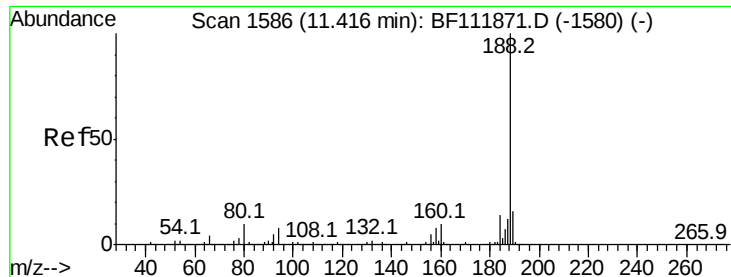
89 0.0 53.5 80.3#

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: BF111979.D

Acq: 10 Jan 2019 5:45

Instrument :

BNA_F

ClientSampleId :

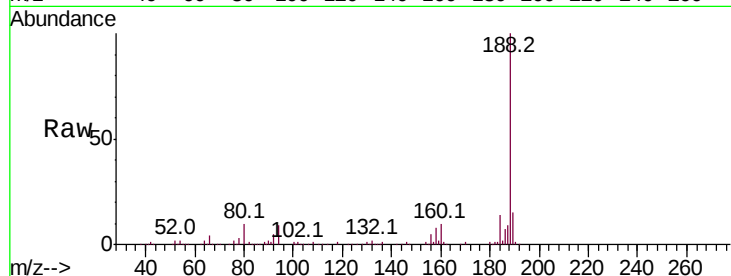
Tot Ion:188 Resp: 281297

Ion Ratio Lower Upper

188 100

94 9.1 6.6 10.0

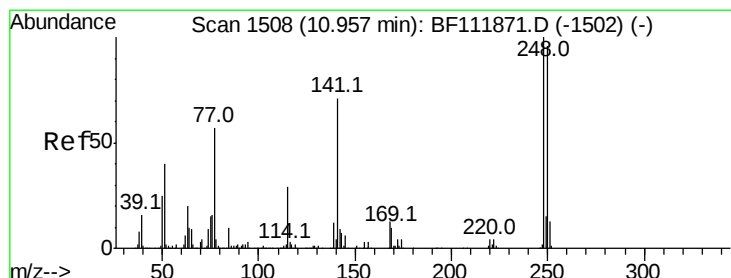
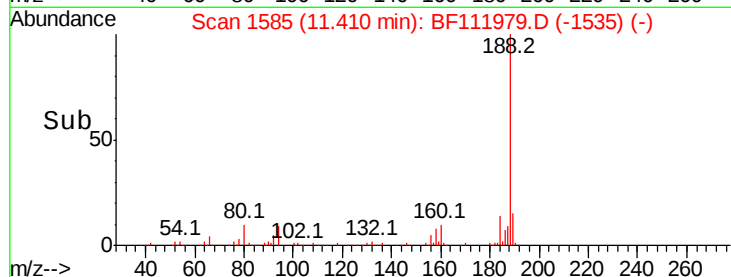
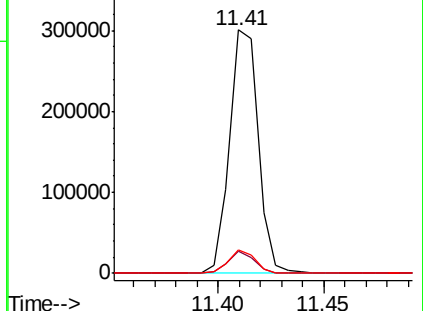
80 9.9 7.7 11.5



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: 3.086 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.24 min

Lab File: BF111979.D

Acq: 10 Jan 2019 5:45

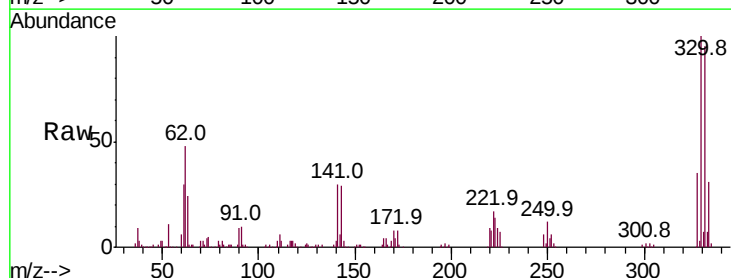
Tgt Ion:248 Resp: 11243

Ion Ratio Lower Upper

248 100

250 195.9 76.8 115.2#

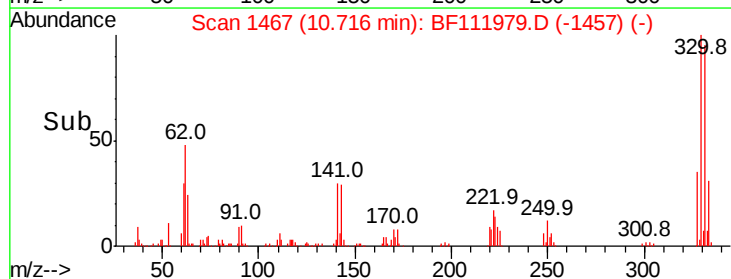
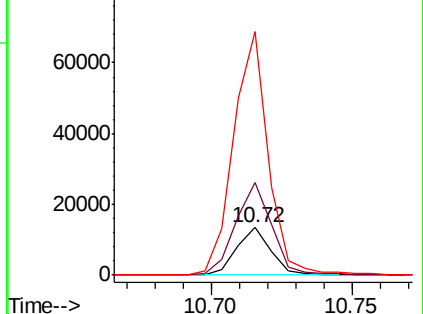
141 514.3 57.0 85.6#

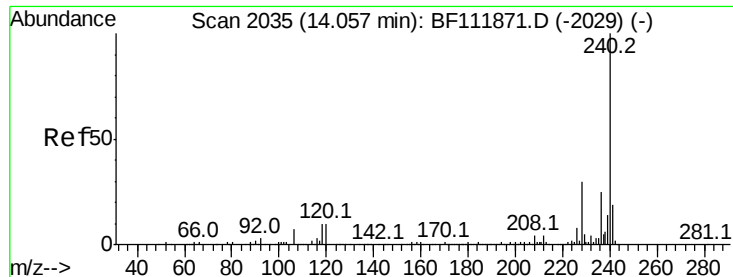


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF111979.D

Acq: 10 Jan 2019 5:45

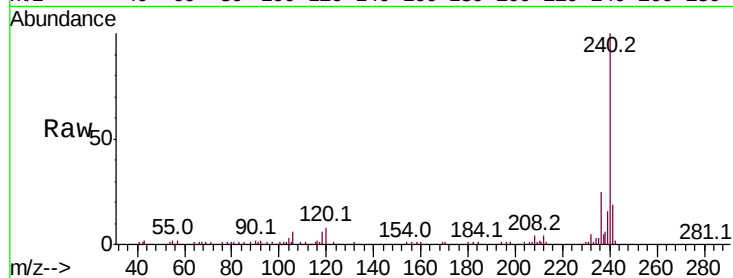
Instrument :

BNA_F

ClientSampleId :

Tot Ion:240 Resp: 90327

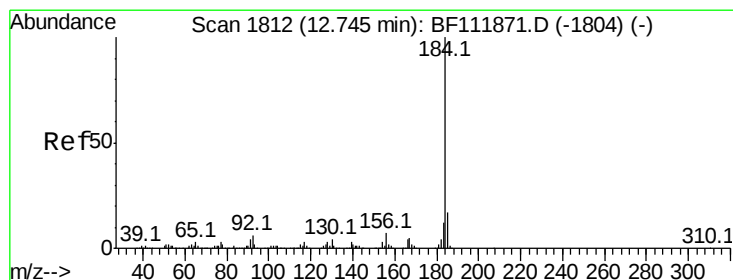
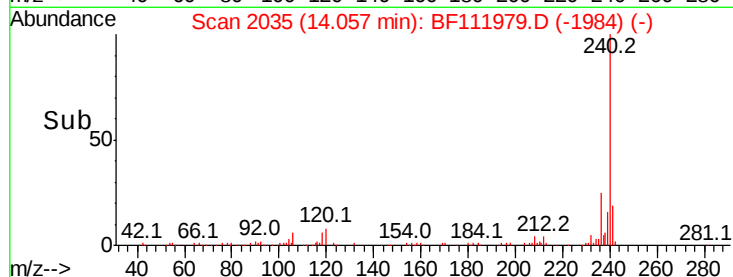
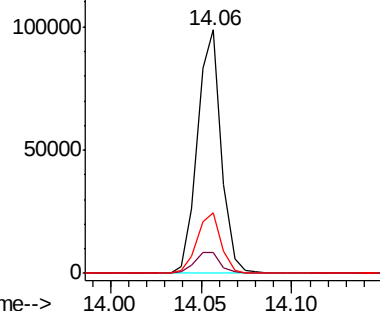
Ion	Ratio	Lower	Upper
240	100		
120	8.4	8.2	12.2
236	24.8	20.2	30.4



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



#77

Benzidine

Concen: 2.642 ng

RT: 13.00 min Scan# 1855

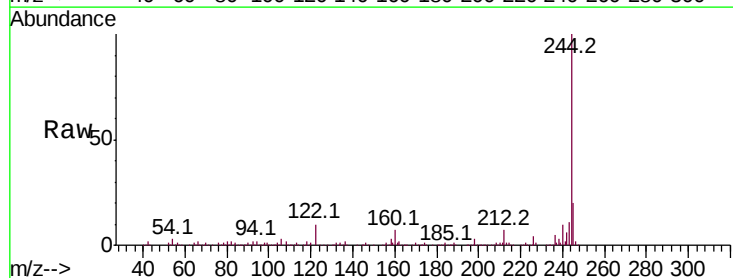
Delta R.T. 0.25 min

Lab File: BF111979.D

Acq: 10 Jan 2019 5:45

Tgt Ion:184 Resp: 7132

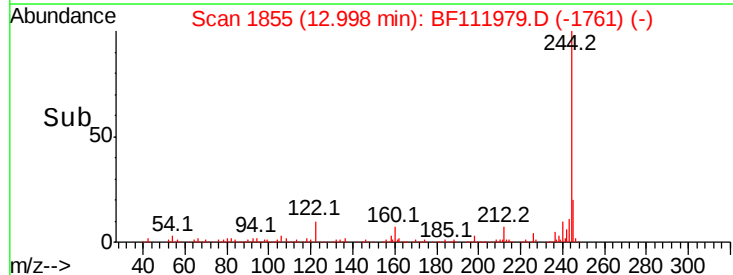
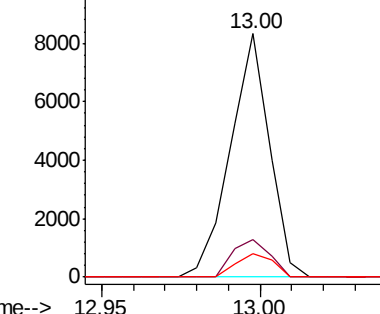
Ion	Ratio	Lower	Upper
184	100		
185	15.5	13.4	20.0
183	9.6	9.6	14.4

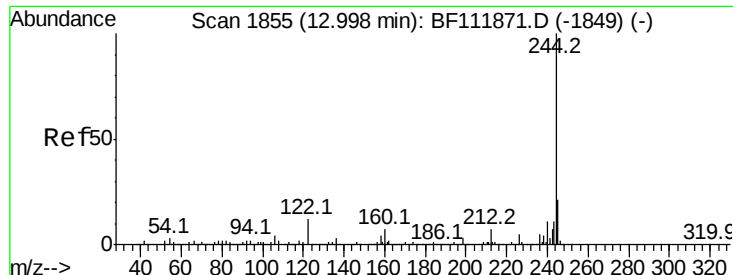


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 113.343 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF111979.D

Acq: 10 Jan 2019 5:45

Instrument :

BNA_F

ClientSampleId :

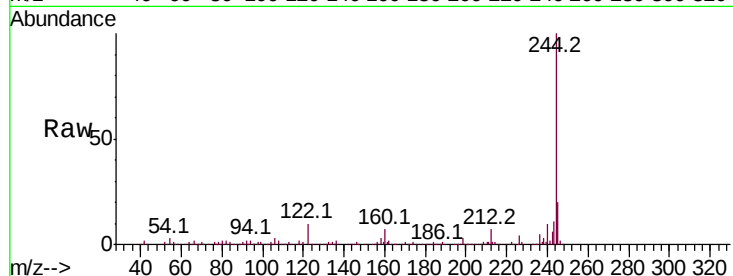
Tot Ion:244 Resp: 539345

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

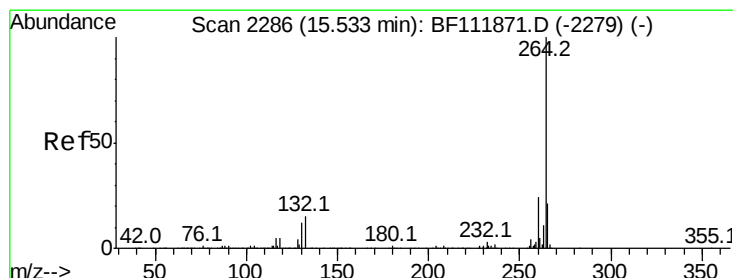
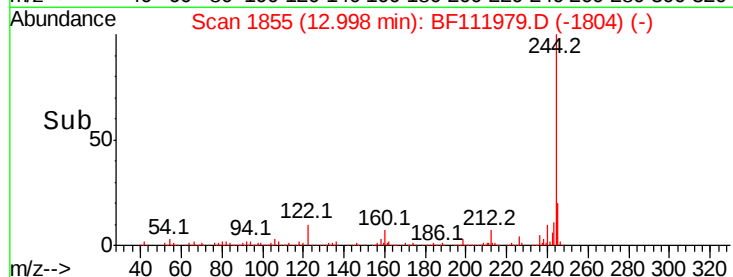
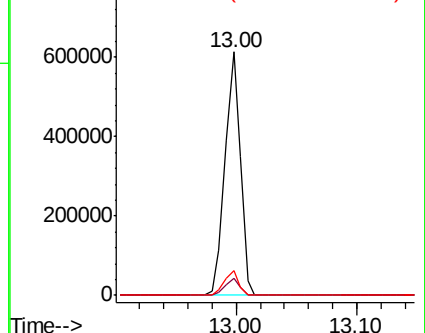
122 10.0 9.5 14.3



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: BF111979.D

Acq: 10 Jan 2019 5:45

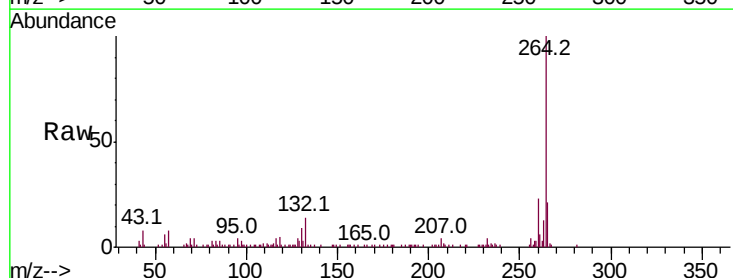
Tgt Ion:264 Resp: 74087

Ion Ratio Lower Upper

264 100

260 22.6 19.2 28.8

265 20.6 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

