

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042519\
 Data File : BF113979.D
 Acq On : 25 Apr 2019 16:05
 Operator : JU/SJ
 Sample : PB119203BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 25 23:16:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	97828	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	375610	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	201524	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	432519	20.00	ng	0.00
76) Chrysene-d12	14.06	240	417075	20.00	ng	-0.01
87) Perylene-d12	15.54	264	430759	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	652175	114.02	ng	0.00
7) Phenol-d6	6.52	99	834188	116.25	ng	0.00
23) Nitrobenzene-d5	7.45	82	503508	82.77	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	295273	120.28	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1080890	83.89	ng	0.00
79) Terphenyl-d14	13.00	244	1478442	72.67	ng	0.00

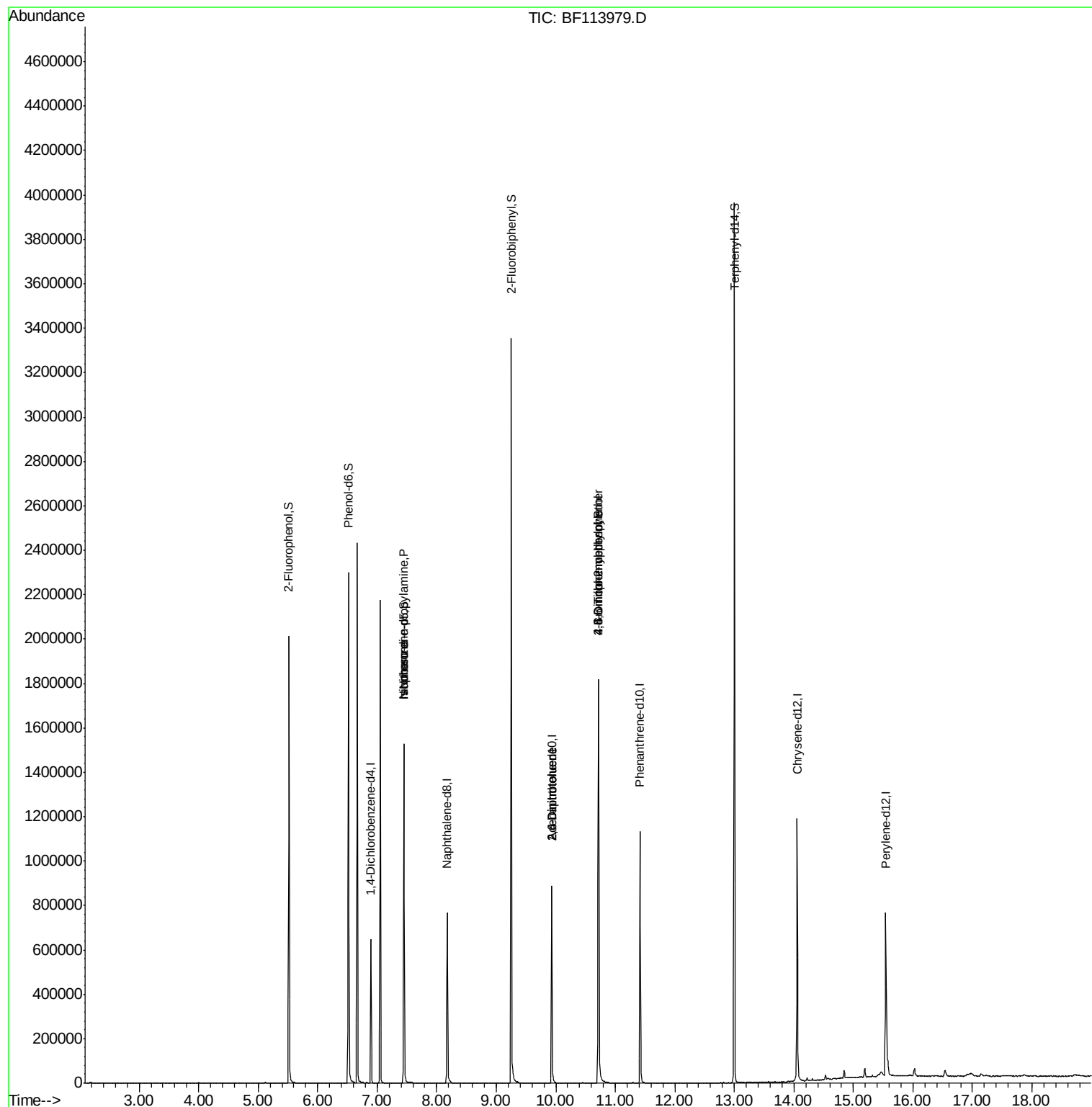
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.52	77	1046	Below Cal		# 3
19) n-Nitroso-di-n-propylamine	7.45	70	66023	14.207	ng	# 77
25) Isophorone	7.45	82	503501	40.450	ng	# 65
51) 2,6-Dinitrotoluene	9.93	165	25130	8.037	ng	# 31
57) 2,4-Dinitrotoluene	9.93	165	25131	6.368	ng	# 27
65) 4,6-Dinitro-2-methylphenol	10.72	198	483	7.515	ng	# 1
67) 4-Bromophenyl-phenylether	10.72	248	17911	3.428	ng	# 1

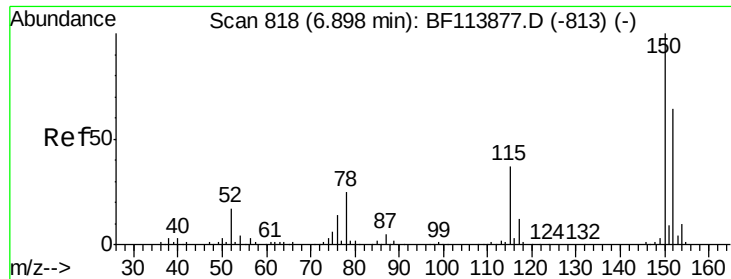
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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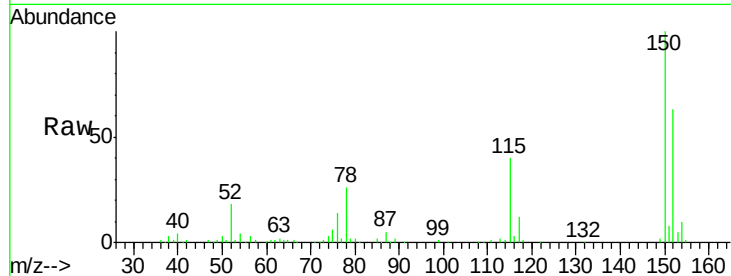




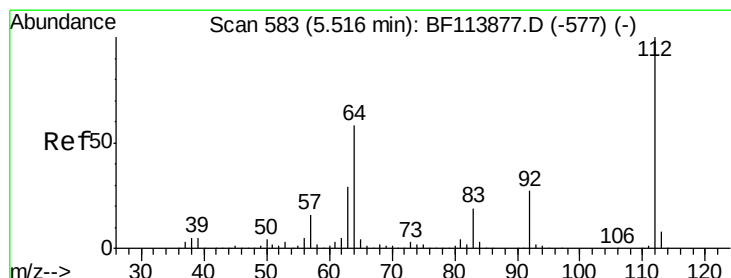
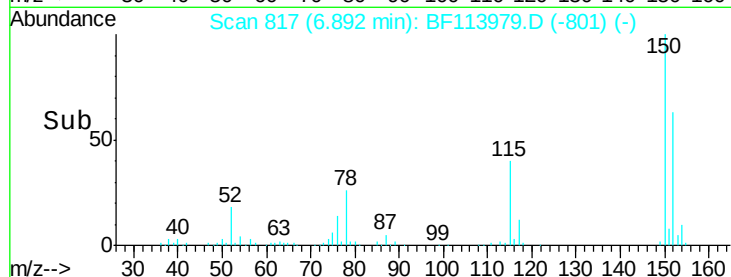
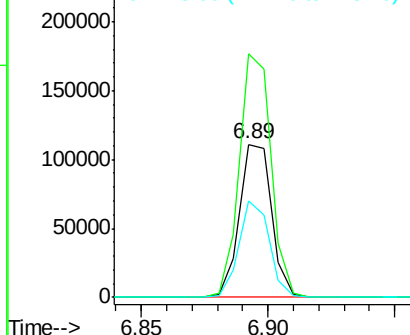
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.89 min Scan# 817
 Delta R.T. -0.01 min
 Lab File: BF113979.D
 Acq: 25 Apr 2019 16:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 97828
 Ion Ratio Lower Upper
 152 100
 150 159.4 125.9 188.9
 115 63.0 45.9 68.9

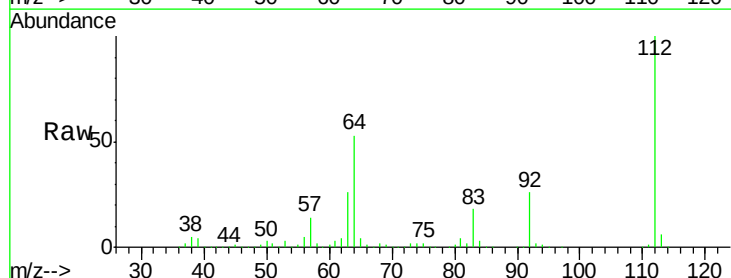


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

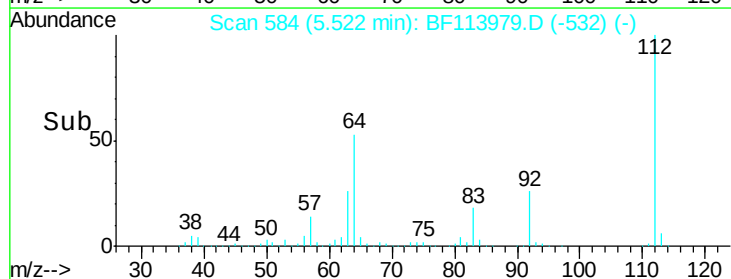
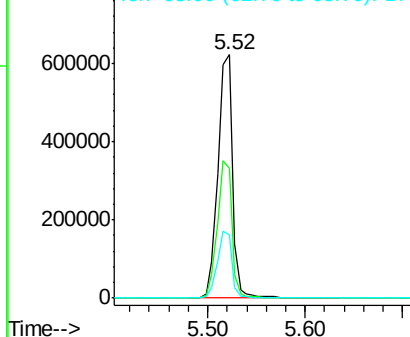


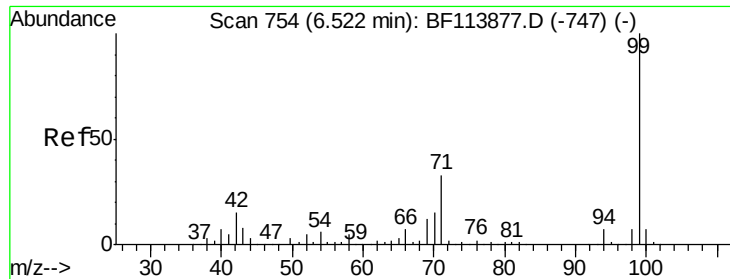
#5
 2-Fluorophenol
 Concen: 114.022 ng
 RT: 5.52 min Scan# 584
 Delta R.T. 0.01 min
 Lab File: BF113979.D
 Acq: 25 Apr 2019 16:05

Tgt Ion:112 Resp: 652175
 Ion Ratio Lower Upper
 112 100
 64 53.1 46.6 69.8
 63 26.0 23.1 34.7



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: 116.245 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF113979.D

Acq: 25 Apr 2019 16:05

Instrument :

BNA_F

ClientSampled :

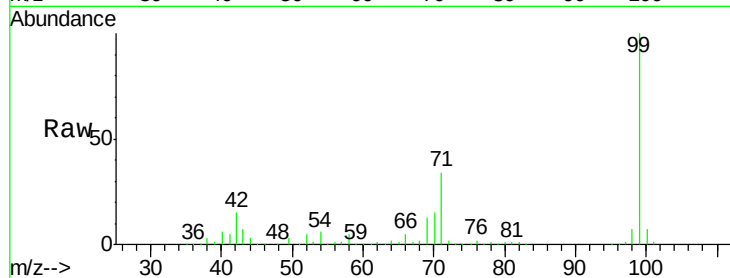
Tot Ion: 99 Resp: 834188

Ion Ratio Lower Upper

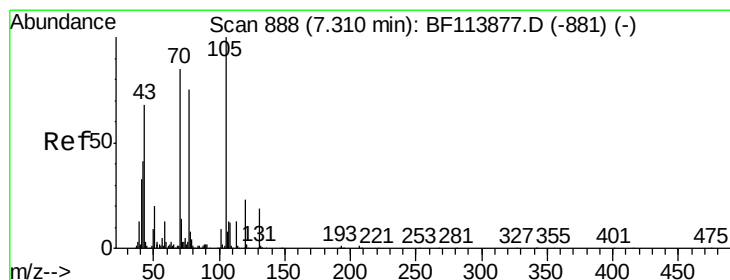
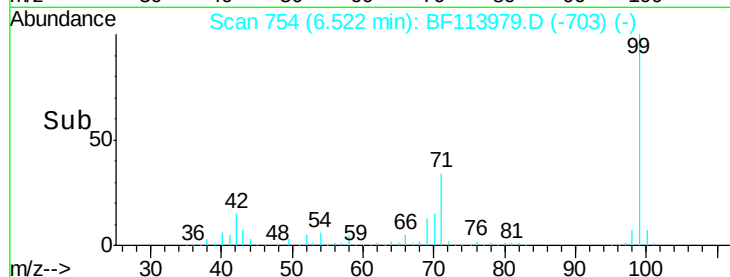
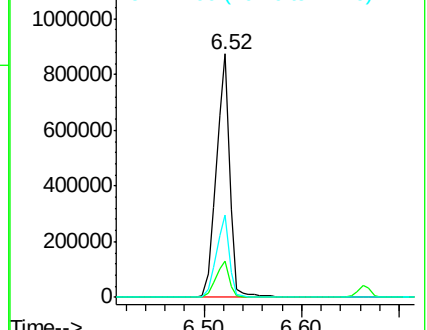
99 100

42 15.0 12.5 18.7

71 34.1 26.9 40.3



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: 14.207 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF113979.D

Acq: 25 Apr 2019 16:05

Tgt Ion: 70 Resp: 66023

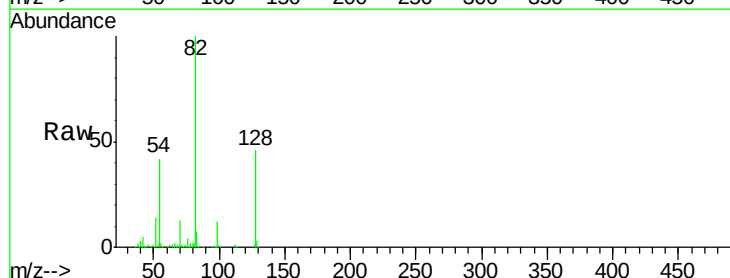
Ion Ratio Lower Upper

70 100

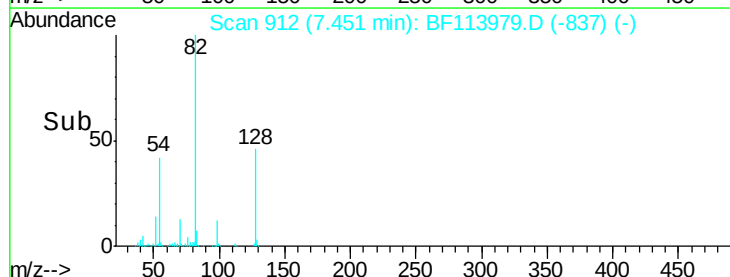
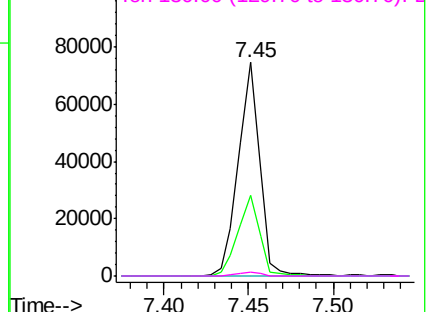
42 38.1 37.3 55.9

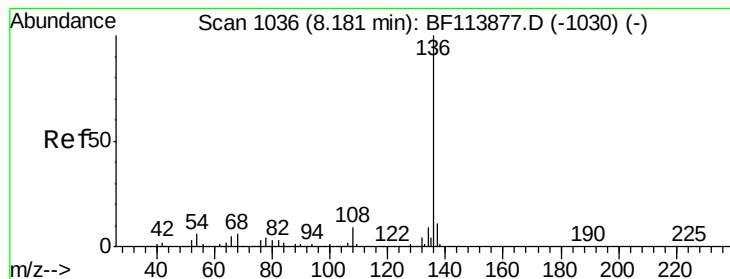
101 0.0 7.8 11.8#

130 2.1 18.2 27.2#



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# 1035

Delta R.T. -0.01 min

Lab File: BF113979.D

Acq: 25 Apr 2019 16:05

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 375610

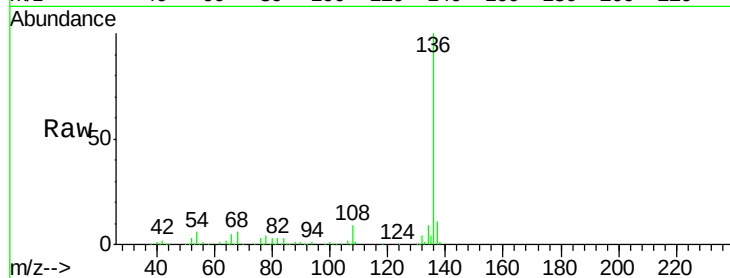
Ion Ratio Lower Upper

136 100

137 10.8 8.6 12.8

54 6.4 5.0 7.6

68 6.1 4.9 7.3

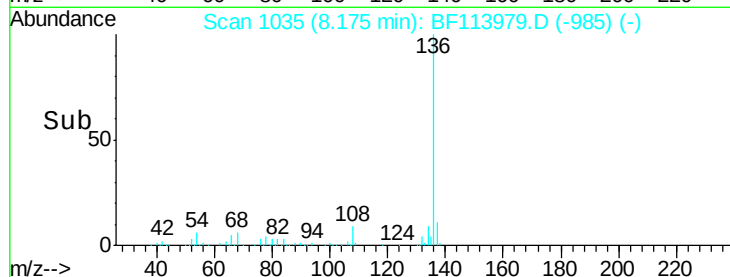


Abundance Ion 136.00 (135.70 to 136.70): E

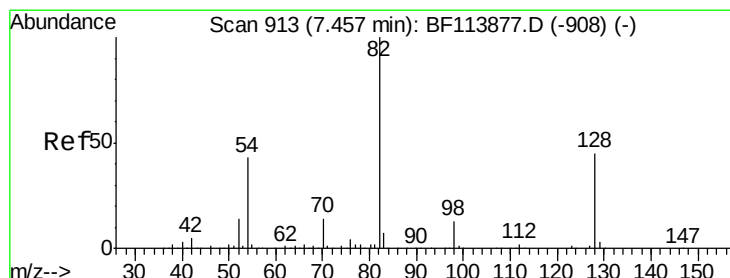
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#23

Nitrobenzene-d5

Concen: 82.768 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF113979.D

Acq: 25 Apr 2019 16:05

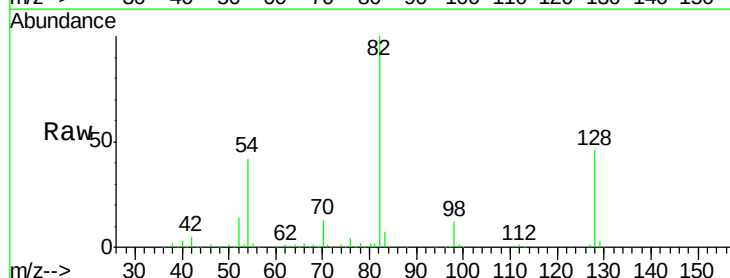
Tgt Ion: 82 Resp: 503508

Ion Ratio Lower Upper

82 100

128 45.6 36.8 55.2

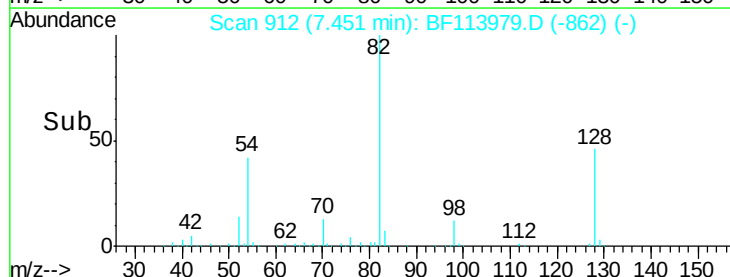
54 42.0 33.8 50.6



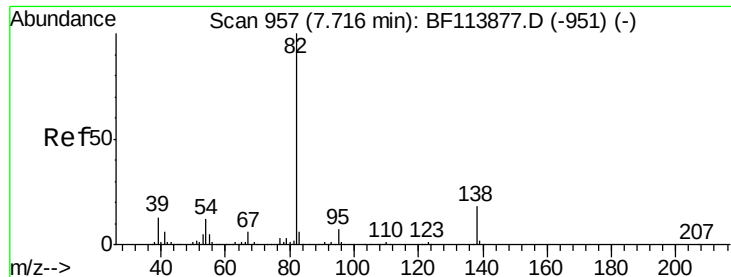
Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time-->



#25

Isophorone

Concen: 40.450 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF113979.D

Acq: 25 Apr 2019 16:05

Instrument :

BNA_F

ClientSampleId :

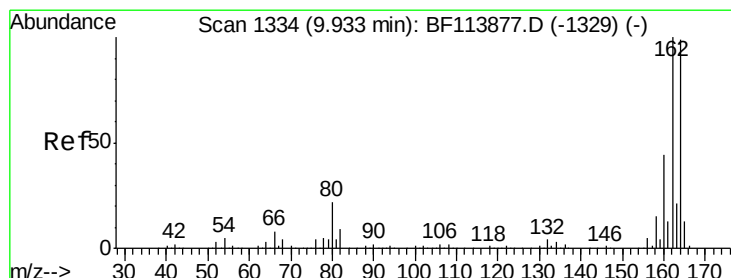
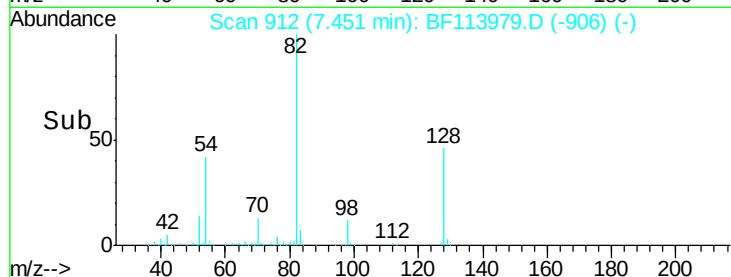
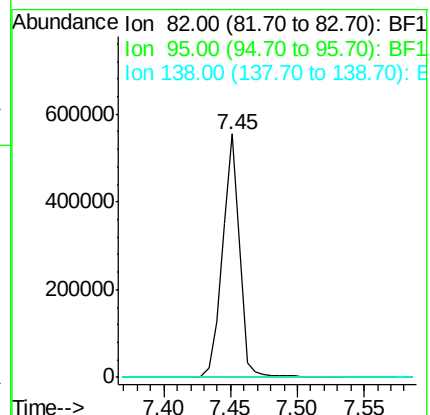
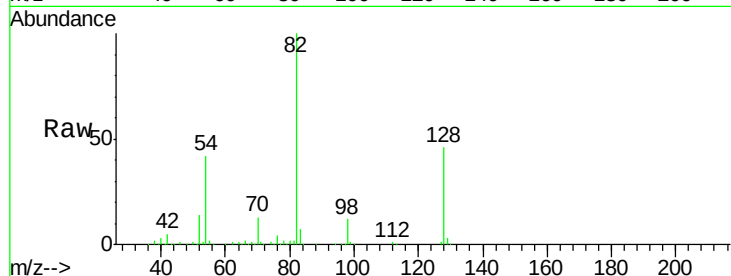
Tot Ion: 82 Resp: 503501

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 14.6 22.0#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BF113979.D

Acq: 25 Apr 2019 16:05

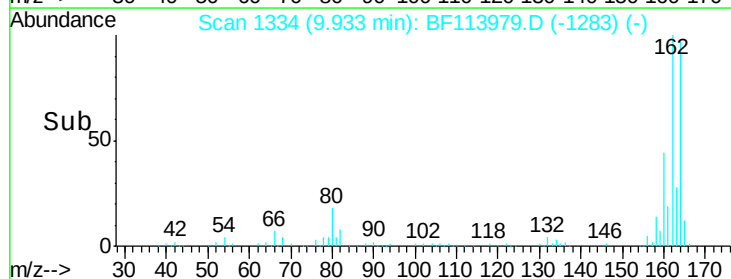
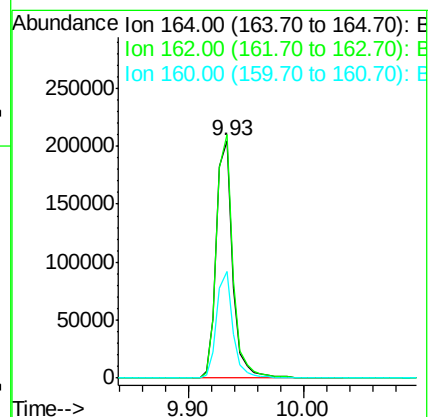
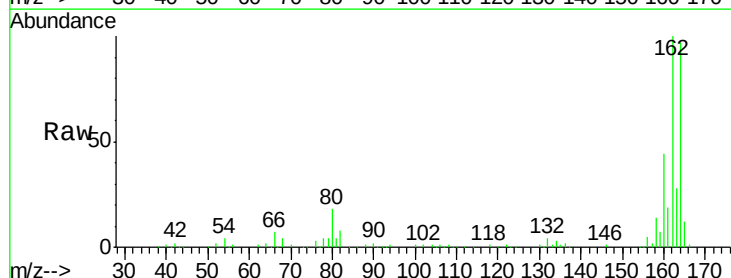
Tgt Ion:164 Resp: 201524

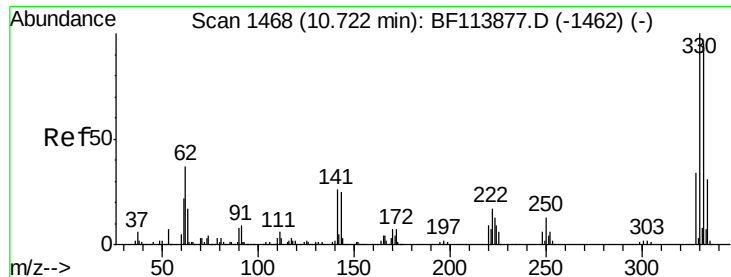
Ion Ratio Lower Upper

164 100

162 102.6 81.1 121.7

160 45.0 35.8 53.6

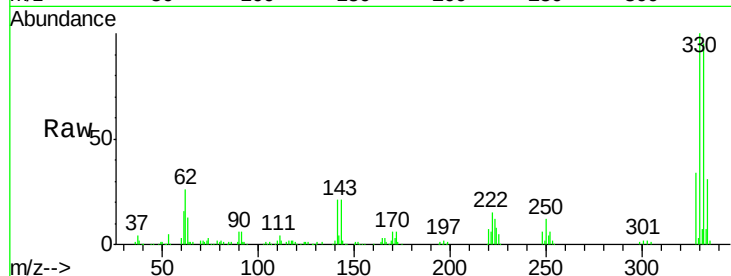




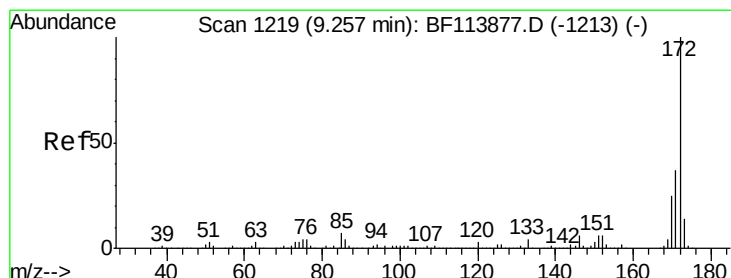
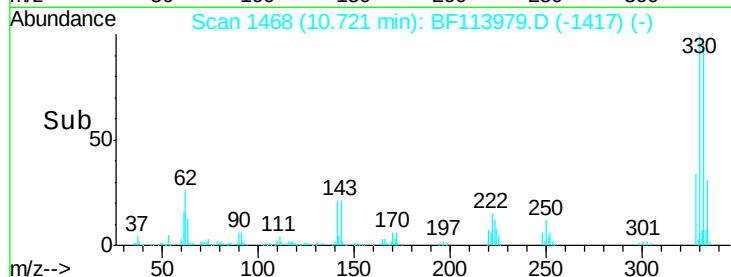
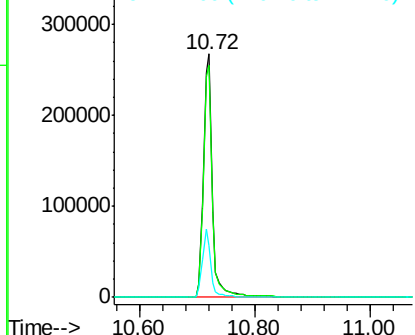
#42
 2,4,6-Tribromophenol
 Concen: 120.275 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: BF113979.D
 Acq: 25 Apr 2019 16:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 295273
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.5 116.3
 141 26.6 22.2 33.2

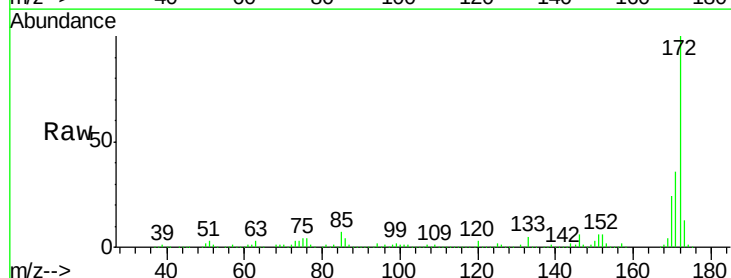


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

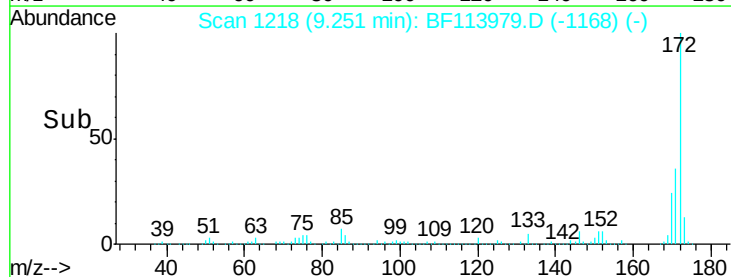
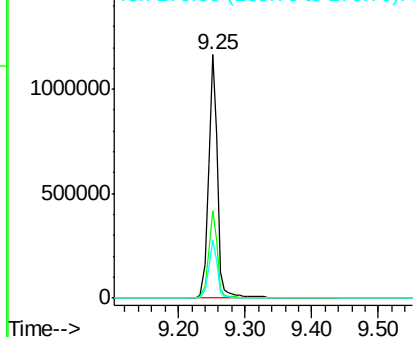


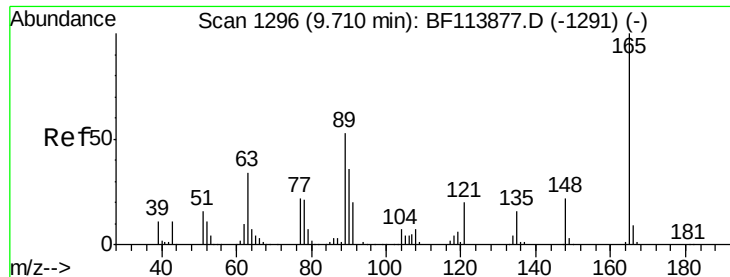
#45
 2-Fluorobiphenyl
 Concen: 83.888 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: BF113979.D
 Acq: 25 Apr 2019 16:05

Tgt Ion:172 Resp: 1080890
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.4 44.0
 170 23.8 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





#51

2,6-Dinitrotoluene

Concen: 8.037 ng

RT: 9.93 min Scan# 1334

Delta R.T. 0.22 min

Lab File: BF113979.D

Acq: 25 Apr 2019 16:05

Instrument :

BNA_F

ClientSampleId :

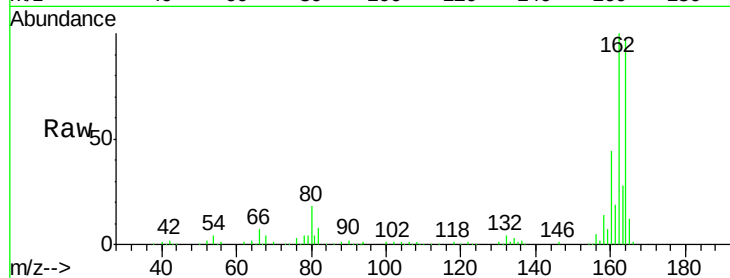
Tot Ion:165 Resp: 25130

Ion Ratio Lower Upper

165 100

63 0.0 33.8 50.8#

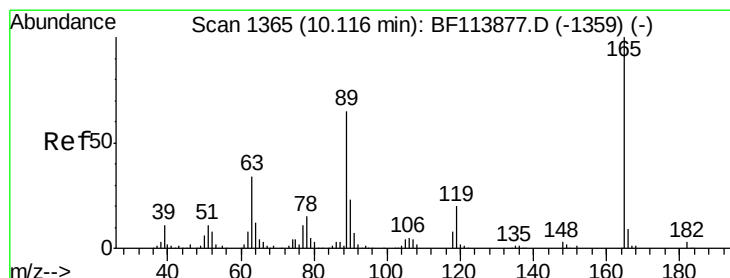
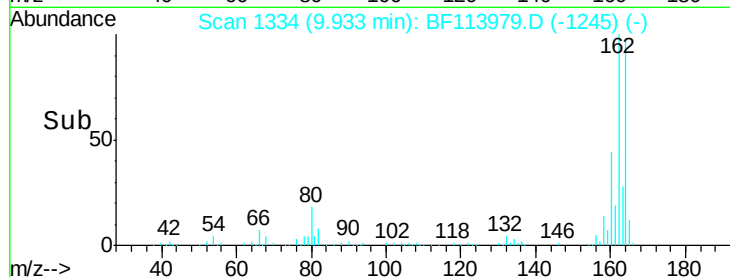
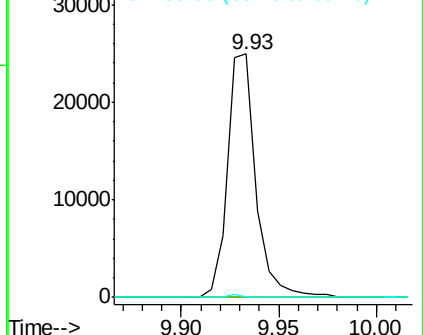
89 0.0 38.2 57.2#



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: 6.368 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.18 min

Lab File: BF113979.D

Acq: 25 Apr 2019 16:05

Tgt Ion:165 Resp: 25131

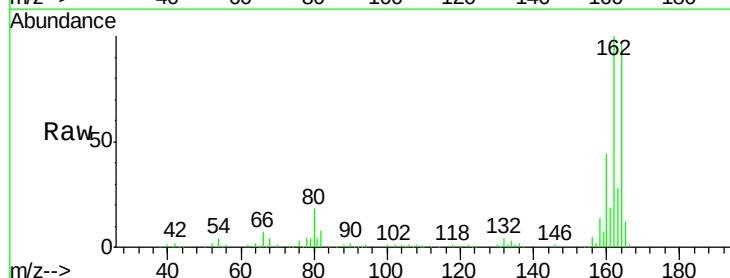
Ion Ratio Lower Upper

165 100

63 0.0 27.4 41.0#

89 0.0 51.8 77.6#

182 0.0 2.2 3.2#

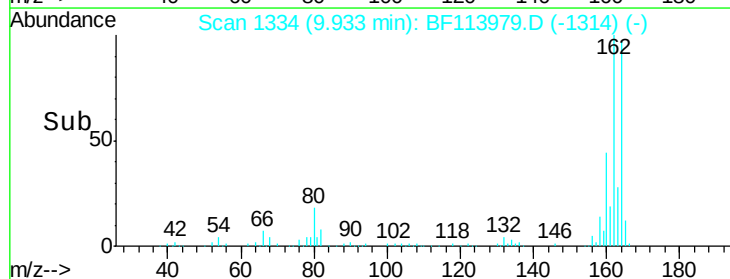
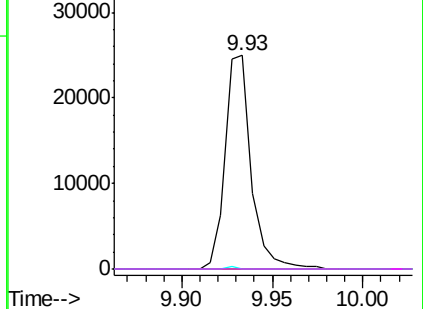


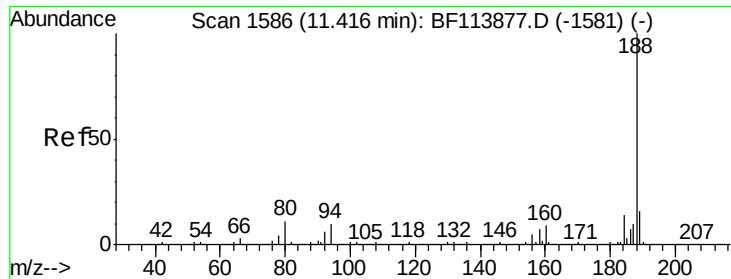
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

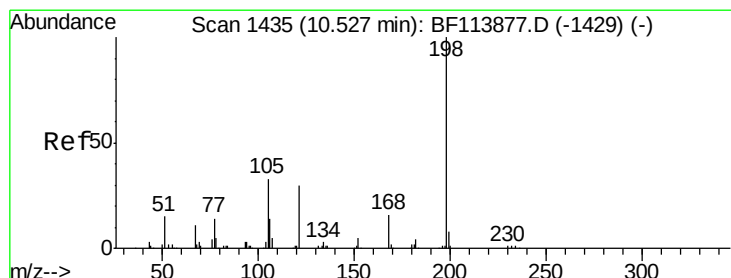
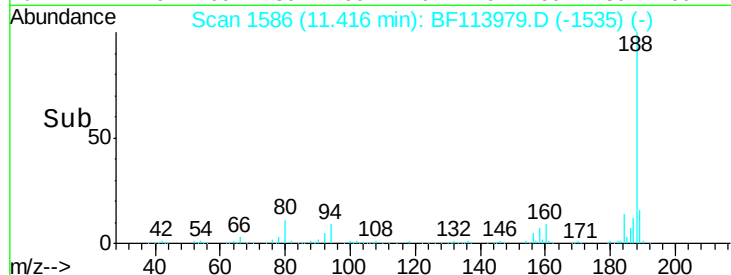
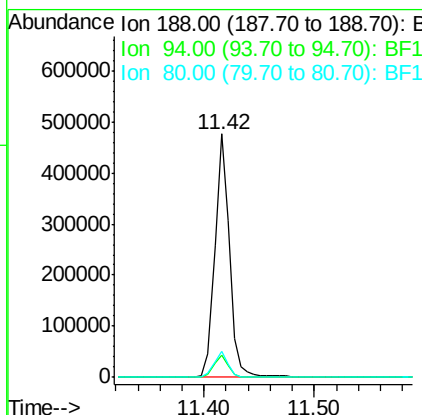
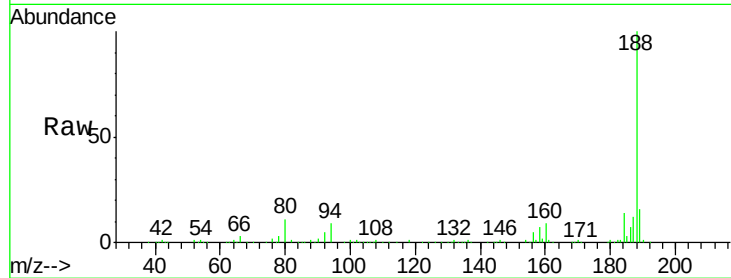




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: BF113979.D
 Acq: 25 Apr 2019 16:05

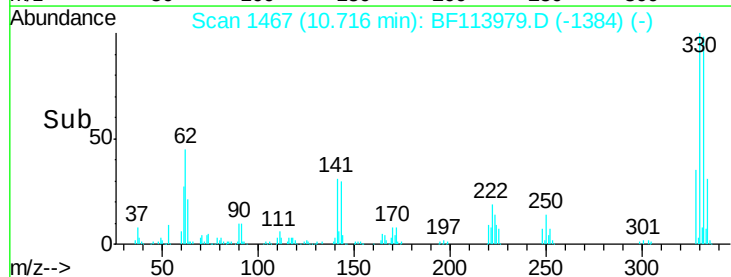
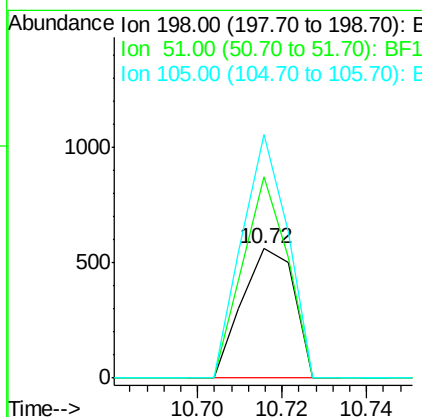
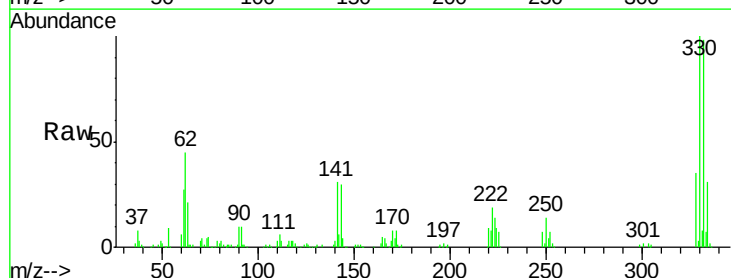
Instrument :
 BNA_F
 ClientSampleId :

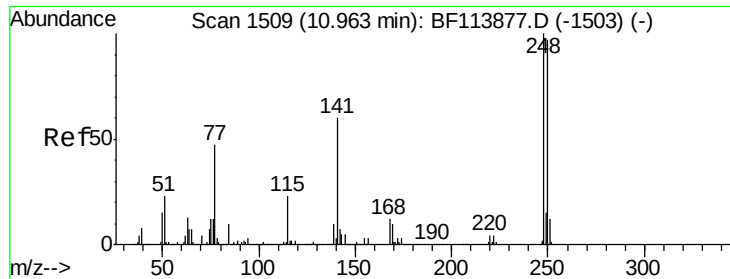
Tot Ion:188 Resp: 432519
 Ion Ratio Lower Upper
 188 100
 94 9.0 8.2 12.4
 80 10.6 9.0 13.6



#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.515 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.19 min
 Lab File: BF113979.D
 Acq: 25 Apr 2019 16:05

Tgt Ion:198 Resp: 483
 Ion Ratio Lower Upper
 198 100
 51 155.2 11.1 51.1#
 105 188.1 20.7 60.7#

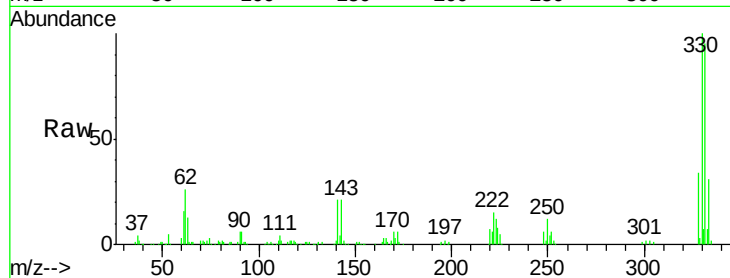




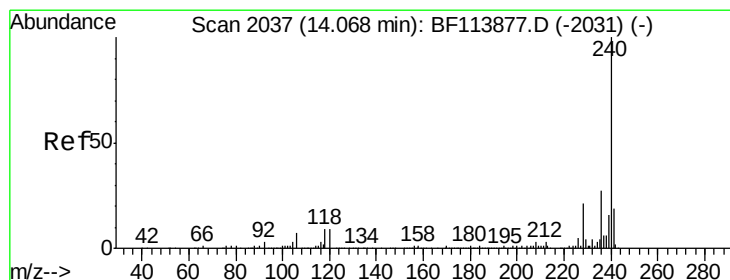
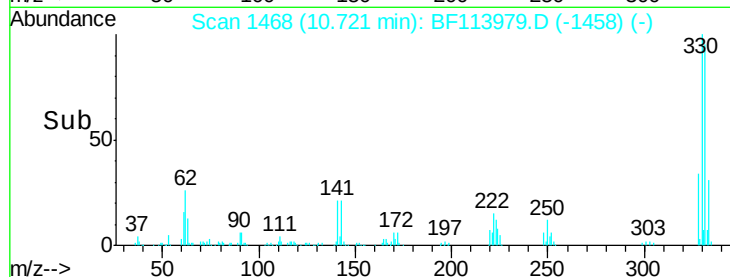
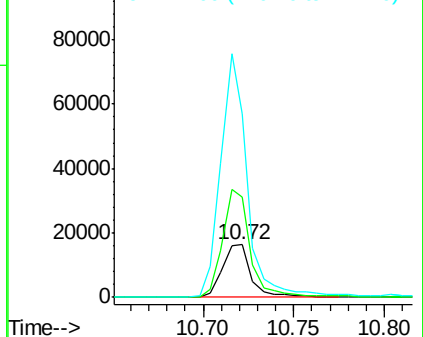
#67
4-Bromophenyl-phenylether
Concen: 3.428 ng
RT: 10.72 min Scan# 1468
Delta R.T. -0.24 min
Lab File: BF113979.D
Acq: 25 Apr 2019 16:05

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 17911
Ion Ratio Lower Upper
248 100
250 190.5 75.8 113.6#
141 346.9 50.2 75.4#

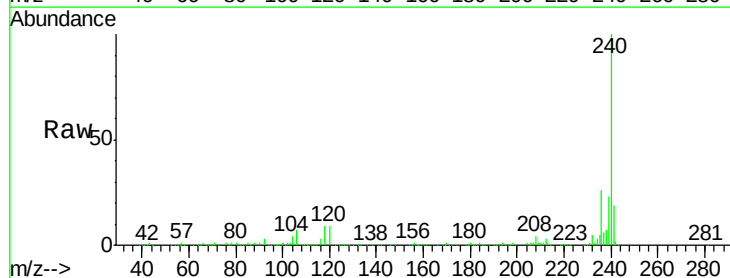


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

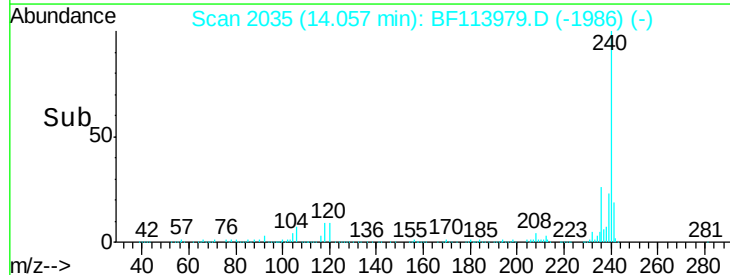
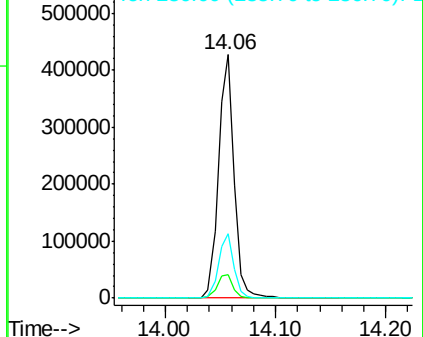


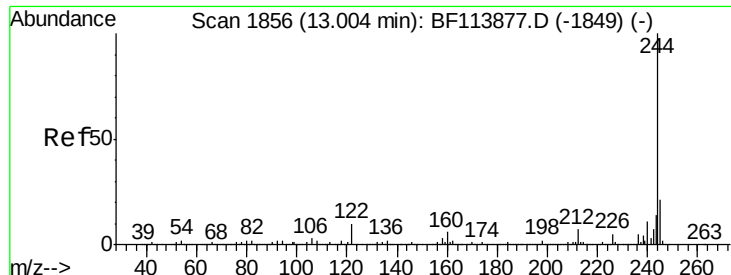
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF113979.D
Acq: 25 Apr 2019 16:05

Tgt Ion:240 Resp: 417075
Ion Ratio Lower Upper
240 100
120 9.4 9.3 13.9
236 26.3 21.2 31.8



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: 72.673 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.00 min

Lab File: BF113979.D

Acq: 25 Apr 2019 16:05

Instrument :

BNA_F

ClientSampleId :

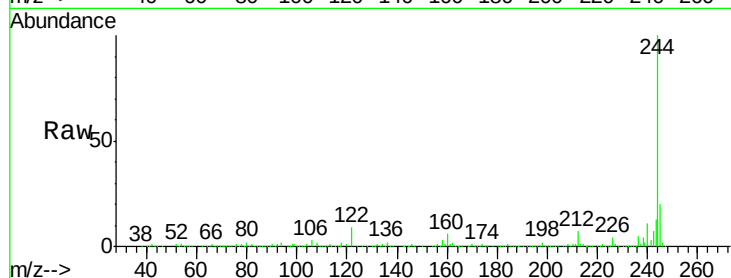
Tot Ion:244 Resp: 1478442

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.2

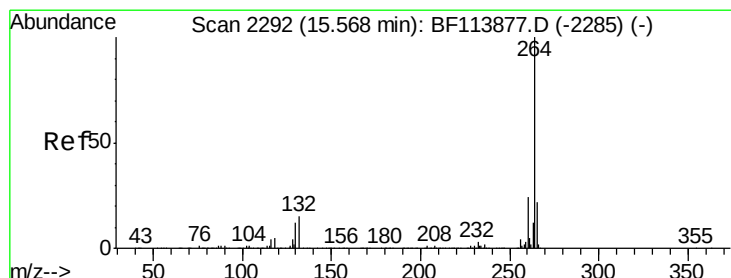
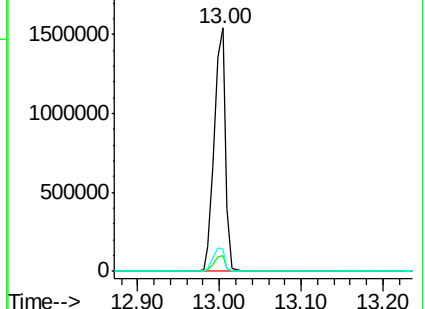
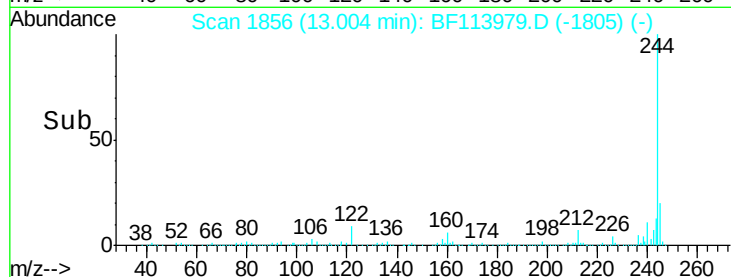
122 9.1 7.6 11.4



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. -0.02 min

Lab File: BF113979.D

Acq: 25 Apr 2019 16:05

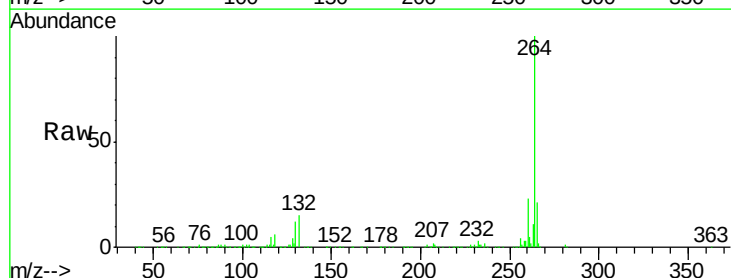
Tgt Ion:264 Resp: 430759

Ion Ratio Lower Upper

264 100

260 23.3 18.9 28.3

265 20.9 17.3 25.9



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

