

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
 Data File : BF117866.D
 Acq On : 19 Nov 2019 18:20
 Operator : JU
 Sample : K5904-14
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 20 00:31:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 18:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	214998	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	836897	20.00	ng	-0.01
39) Acenaphthene-d10	9.96	164	436683	20.00	ng	-0.01
64) Phenanthrene-d10	11.46	188	767601	20.00	ng	-0.01
76) Chrysene-d12	14.10	240	474813	20.00	ng	-0.01
87) Perylene-d12	15.61	264	501014	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	1567613	129.06	ng	0.00
7) Phenol-d6	6.54	99	2028221	138.44	ng	0.00
23) Nitrobenzene-d5	7.48	82	1235447	87.76	ng	-0.01
42) 2,4,6-Tribromophenol	10.76	330	501681	108.52	ng	-0.01
45) 2-Fluorobiphenyl	9.28	172	2224512	91.39	ng	-0.01
79) Terphenyl-d14	13.05	244	2221889	85.52	ng	0.00

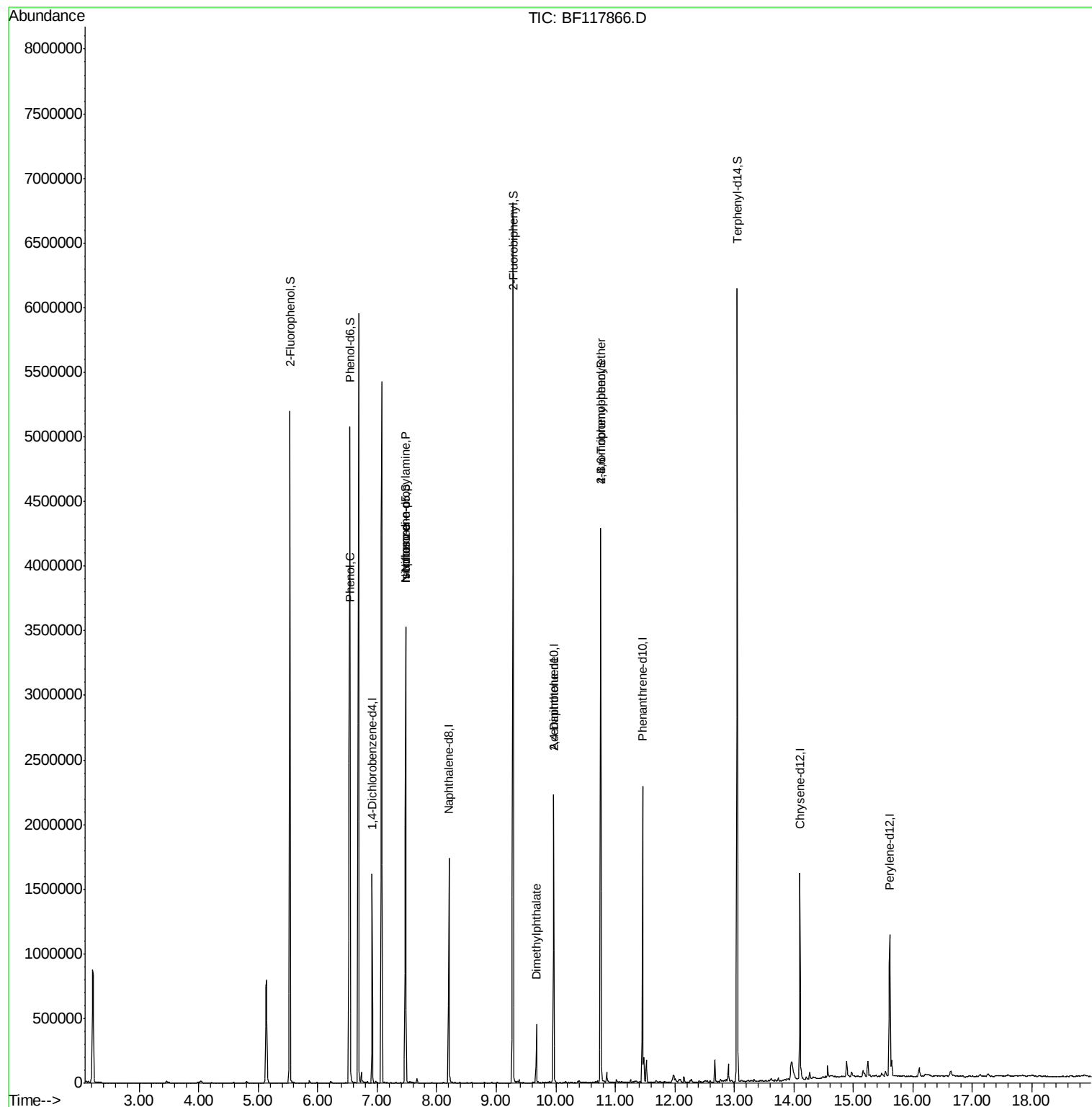
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.55	77	4060	Below Cal		# 1
10) Phenol	6.55	94	91387	6.003	ng	97
19) n-Nitroso-di-n-propylamine	7.48	70	169624	18.768	ng	# 75
25) Isophorone	7.48	82	1228864	47.624	ng	# 62
50) Dimethylphthalate	9.67	163	193420	6.316	ng	98
57) 2,4-Dinitrotoluene	9.96	165	55699	6.543	ng	# 24
67) 4-Bromophenyl-phenylether	10.76	248	33475	4.042	ng	# 1
75) Fluoranthene	12.67	202	71890	Below Cal		95

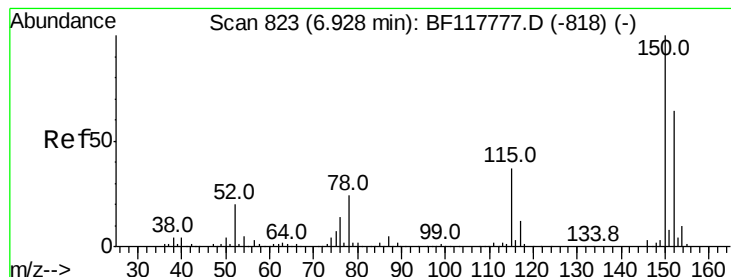
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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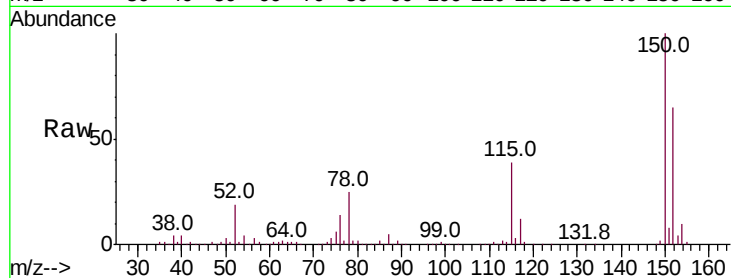


#1

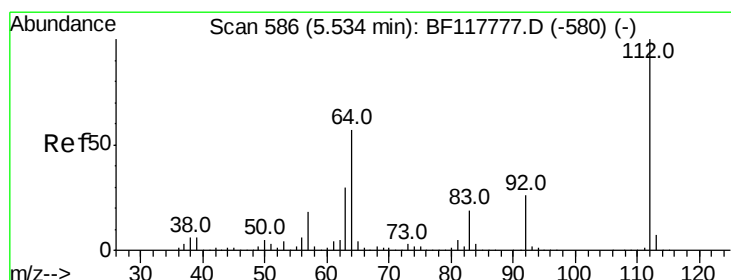
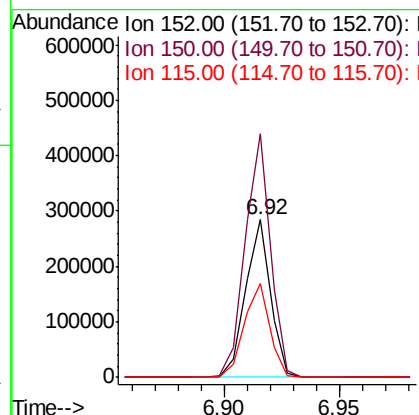
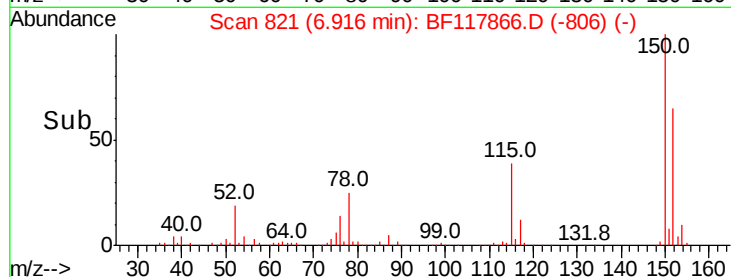
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF117866.D
Acq: 19 Nov 2019 18:20

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 214998
Ion Ratio Lower Upper
152 100
150 154.7 125.3 187.9
115 59.8 47.0 70.4



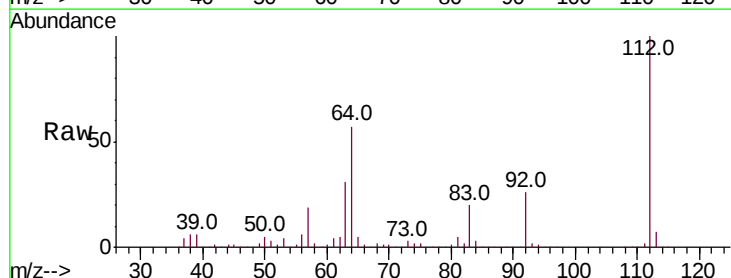
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



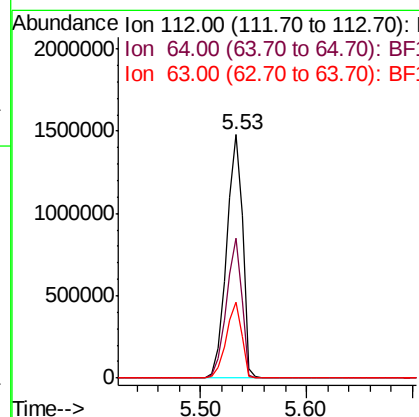
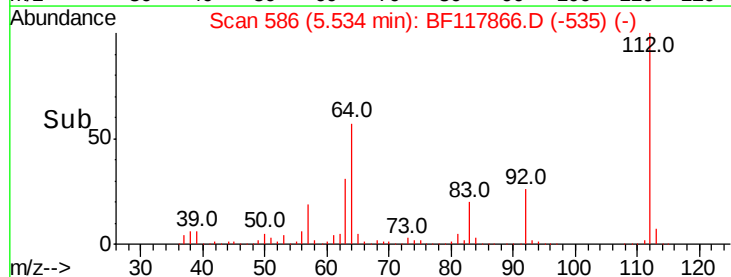
#5

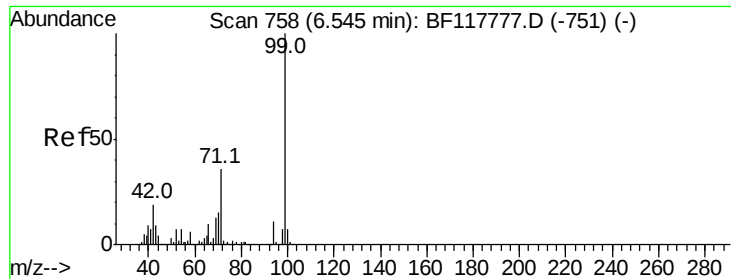
2-Fluorophenol
Concen: 129.064 ng
RT: 5.53 min Scan# 586
Delta R.T. -0.00 min
Lab File: BF117866.D
Acq: 19 Nov 2019 18:20

Tgt Ion:112 Resp: 1567613
Ion Ratio Lower Upper
112 100
64 57.3 45.6 68.4
63 31.2 24.1 36.1



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: 138.444 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF117866.D

Acq: 19 Nov 2019 18:20

Instrument :

BNA_F

ClientSampleId :

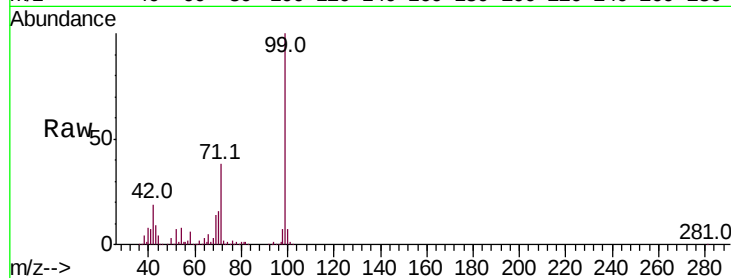
Tot Ion: 99 Resp: 2028221

Ion Ratio Lower Upper

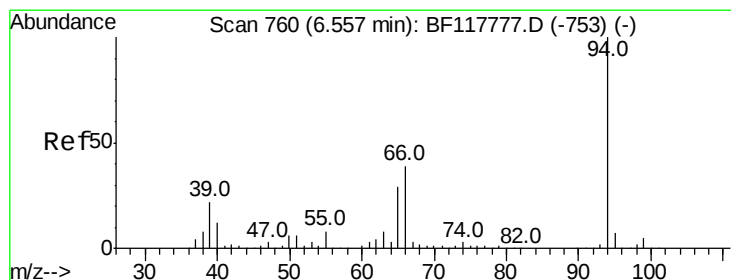
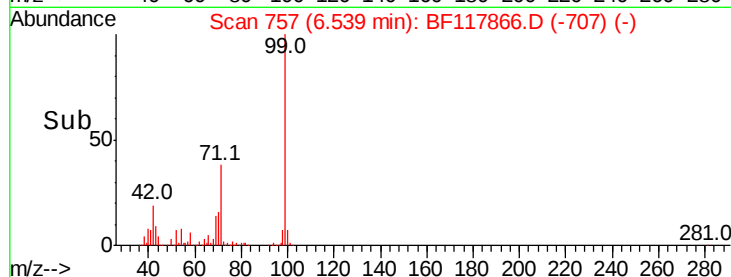
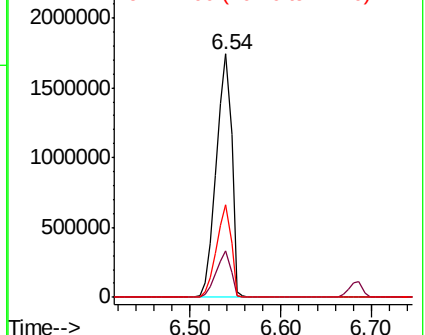
99 100

42 19.3 14.9 22.3

71 38.1 28.6 43.0



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: 6.003 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF117866.D

Acq: 19 Nov 2019 18:20

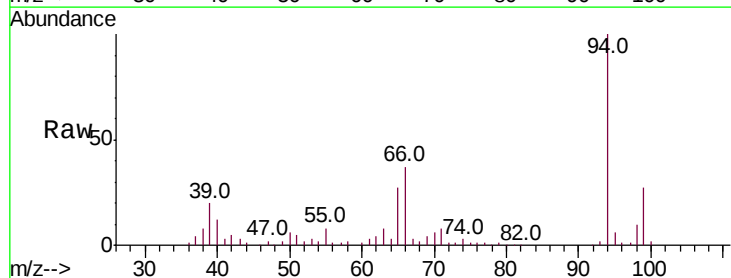
Tgt Ion: 94 Resp: 91387

Ion Ratio Lower Upper

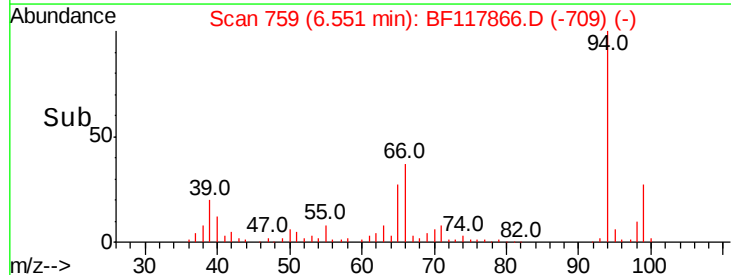
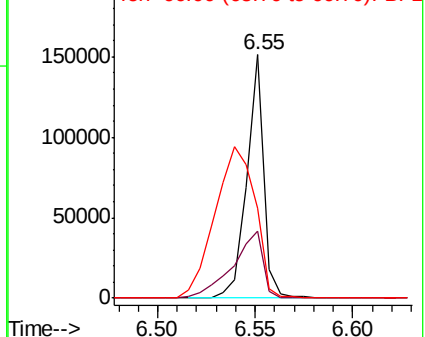
94 100

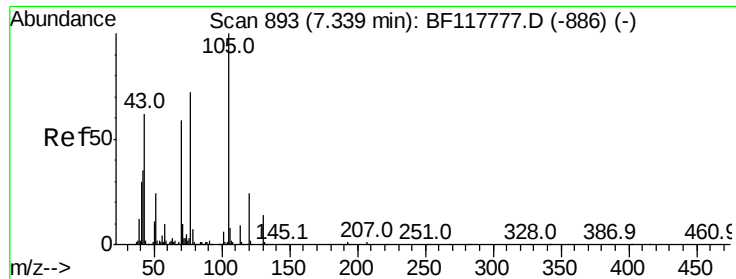
65 27.3 8.9 48.9

66 37.0 18.7 58.7



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





#19

n-Nitroso-di-n-propylamine

Concen: 18.768 ng

RT: 7.48 min Scan# 917

Delta R.T. 0.14 min

Lab File: BF117866.D

Acq: 19 Nov 2019 18:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 169624

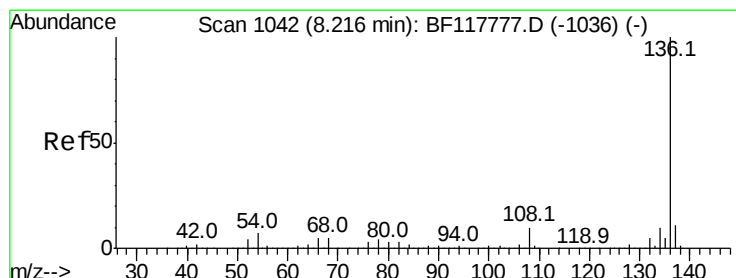
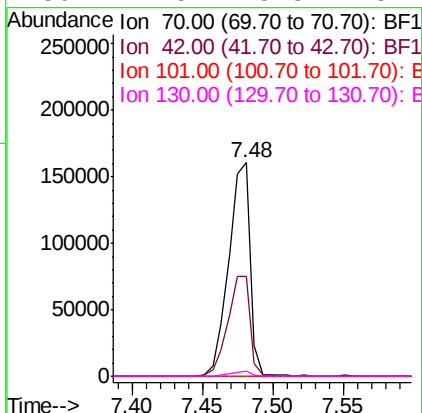
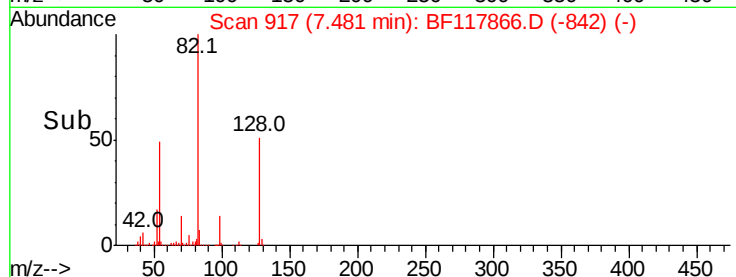
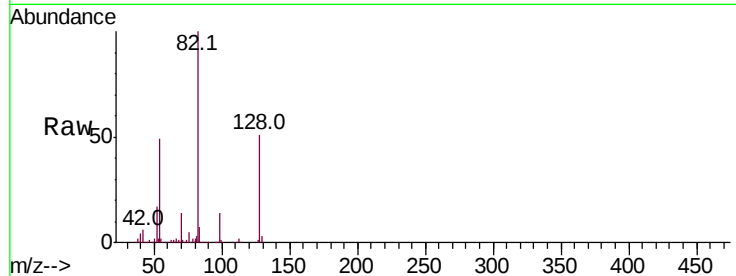
Ion Ratio Lower Upper

70 100

42 46.6 47.4 71.2#

101 0.0 8.4 12.6#

130 2.5 18.8 28.2#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.20 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BF117866.D

Acq: 19 Nov 2019 18:20

Tgt Ion:136 Resp: 836897

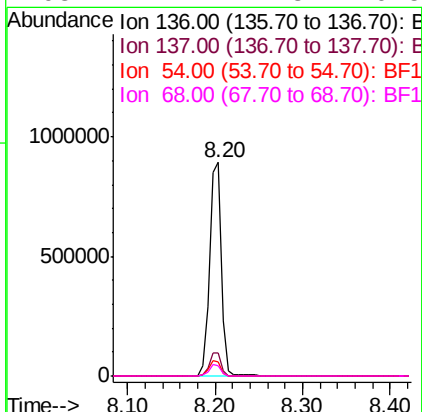
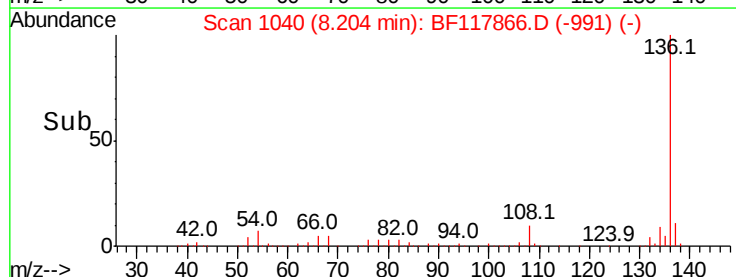
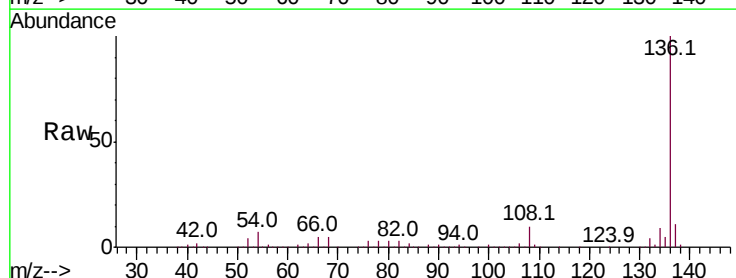
Ion Ratio Lower Upper

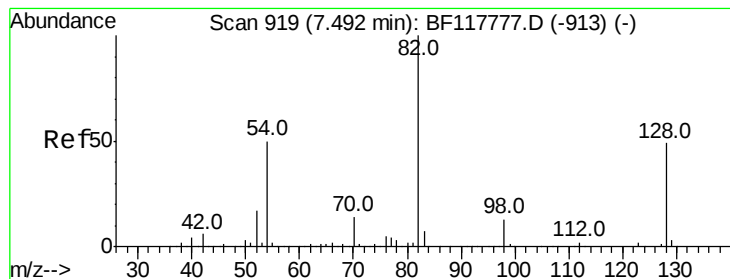
136 100

137 10.9 9.0 13.4

54 6.6 5.4 8.2

68 4.7 4.3 6.5





#23

Nitrobenzene-d5

Concen: 87.755 ng

RT: 7.48 min Scan# 917

Delta R.T. -0.01 min

Lab File: BF117866.D

Acq: 19 Nov 2019 18:20

Instrument :

BNA_F

ClientSampleId :

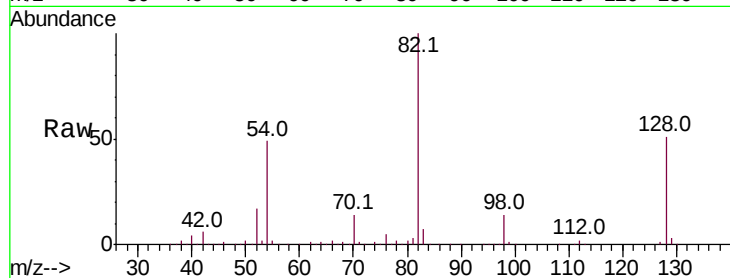
Tot Ion: 82 Resp: 1235447

Ion Ratio Lower Upper

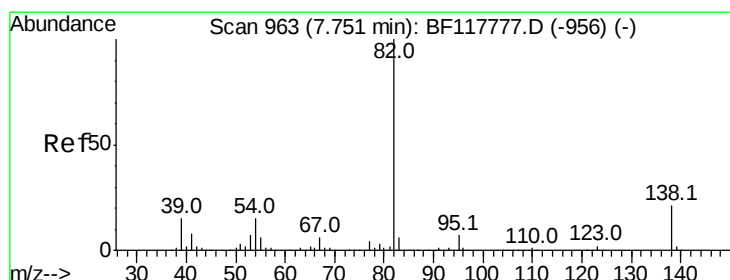
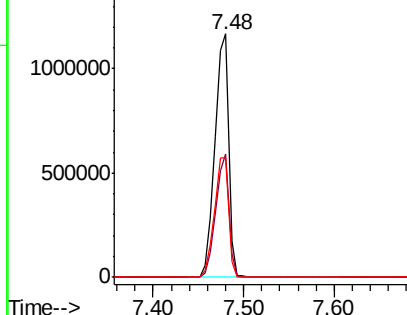
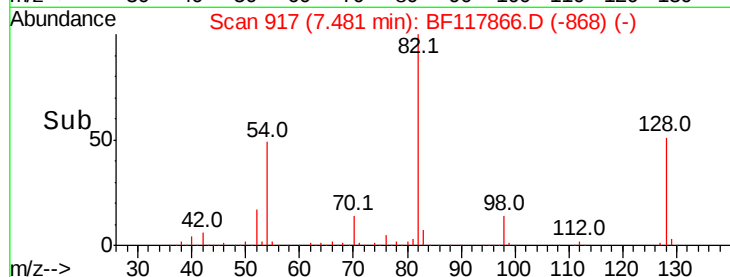
82 100

128 50.7 38.9 58.3

54 49.3 39.8 59.6



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 47.624 ng

RT: 7.48 min Scan# 917

Delta R.T. -0.27 min

Lab File: BF117866.D

Acq: 19 Nov 2019 18:20

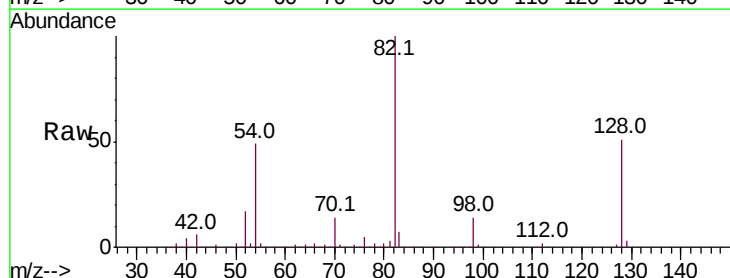
Tgt Ion: 82 Resp: 1228864

Ion Ratio Lower Upper

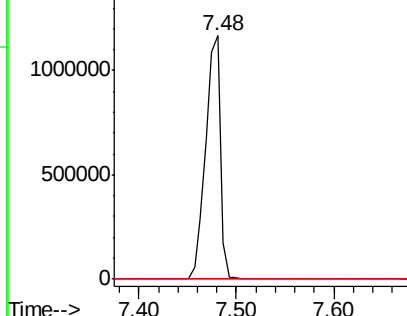
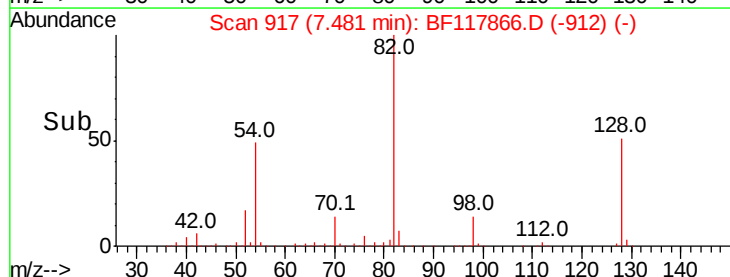
82 100

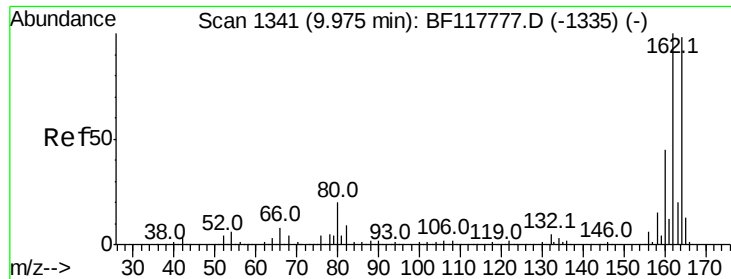
95 0.0 5.8 8.8#

138 0.0 16.5 24.7#



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

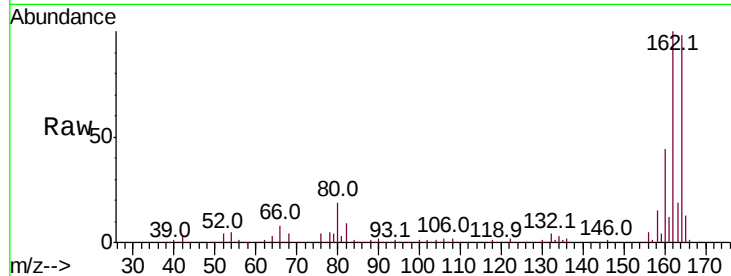




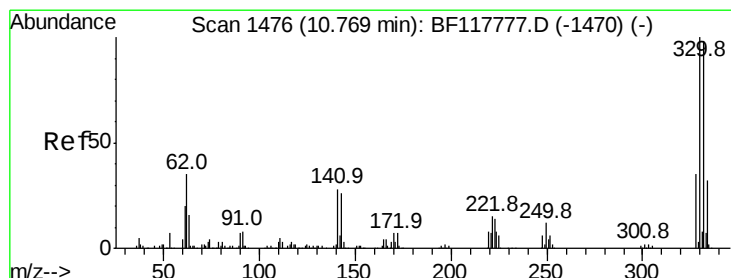
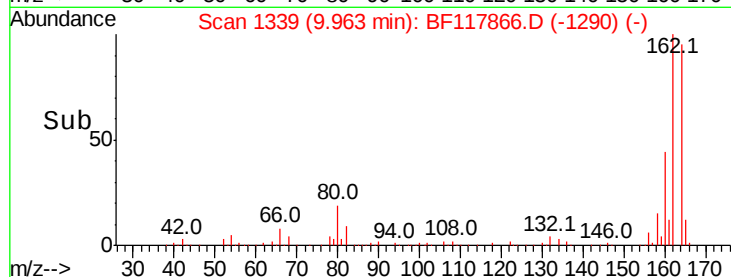
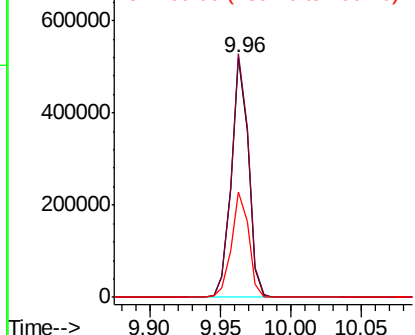
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF117866.D
Acq: 19 Nov 2019 18:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.8	81.3	121.9
160	44.3	36.6	55.0

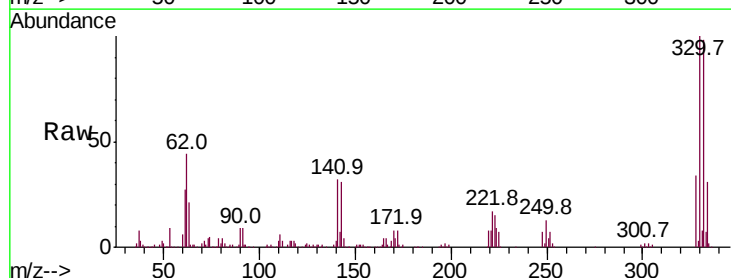


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

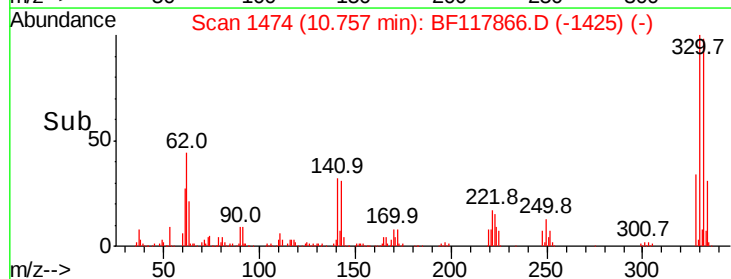
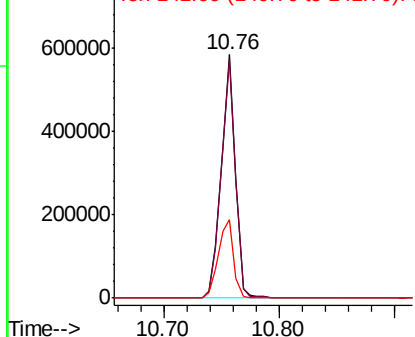


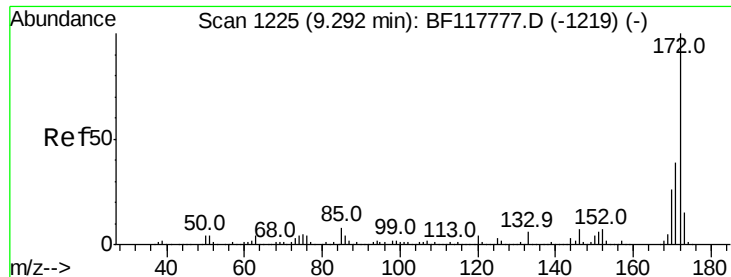
#42
2,4,6-Tribromophenol
Concen: 108.516 ng
RT: 10.76 min Scan# 1474
Delta R.T. -0.01 min
Lab File: BF117866.D
Acq: 19 Nov 2019 18:20

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.8	76.7	115.1
141	34.4	27.7	41.5



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



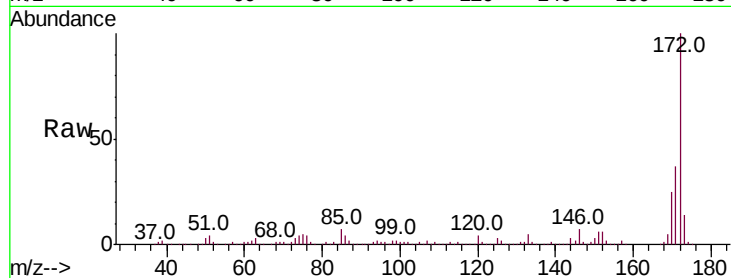


#45
 2-Fluorobiphenyl
 Concen: 91.390 ng
 RT: 9.28 min Scan# 1223
 Delta R.T. -0.01 min
 Lab File: BF117866.D
 Acq: 19 Nov 2019 18:20

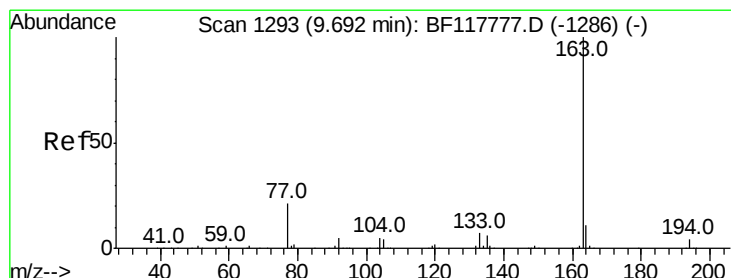
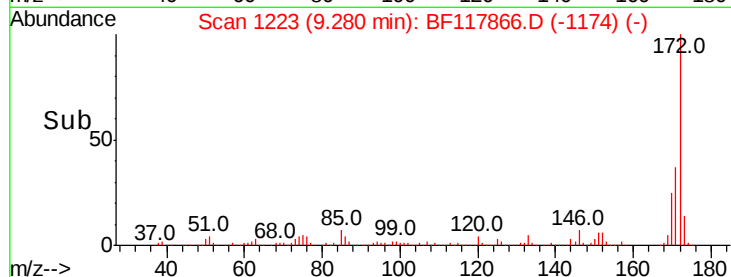
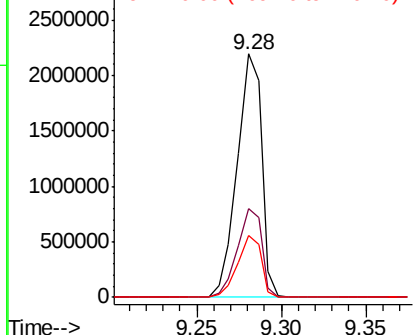
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 2224512

Ion	Ratio	Lower	Upper
172	100		
171	36.5	30.9	46.3
170	25.4	21.0	31.4



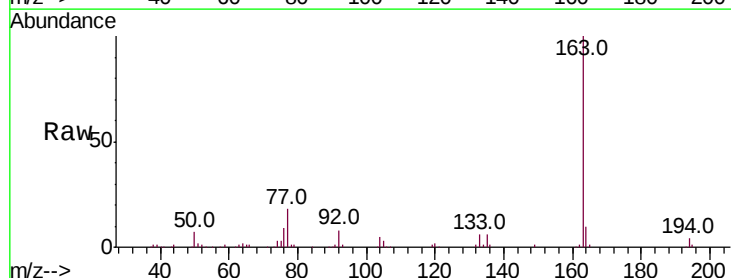
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



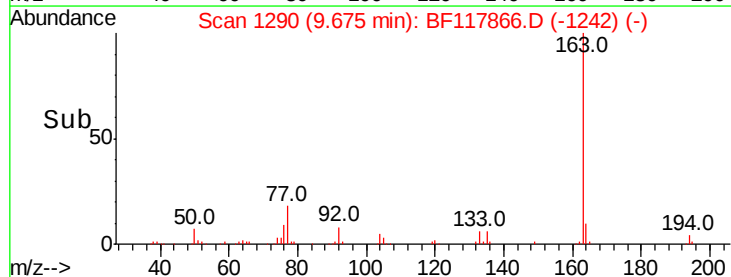
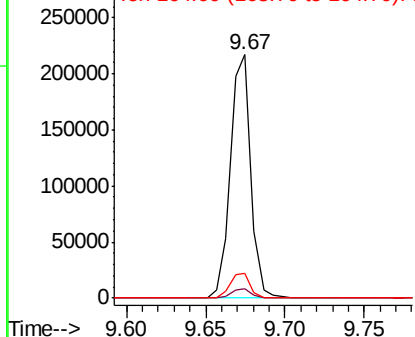
#50
 Dimethylphthalate
 Concen: 6.316 ng
 RT: 9.67 min Scan# 1290
 Delta R.T. -0.02 min
 Lab File: BF117866.D
 Acq: 19 Nov 2019 18:20

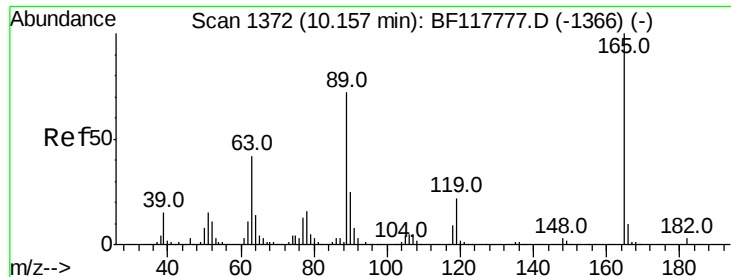
Tgt Ion:163 Resp: 193420

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.3	4.9
164	9.9	8.7	13.1



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

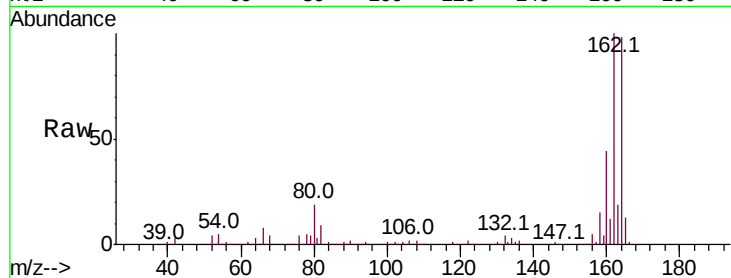




#57
 2,4-Dinitrotoluene
 Concen: 6.543 ng
 RT: 9.96 min Scan# 1339
 Delta R.T. -0.19 min
 Lab File: BF117866.D
 Acq: 19 Nov 2019 18:20

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	33.7	50.5#
89	1.2	57.3	85.9#
182	0.0	2.3	3.5#



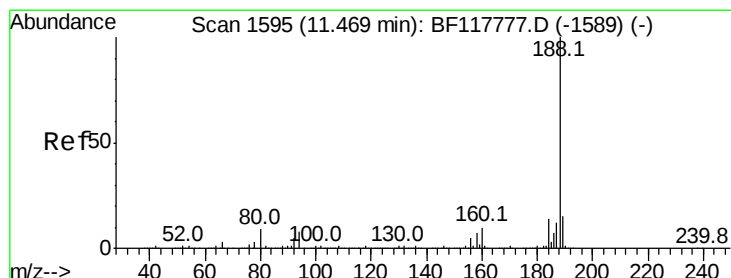
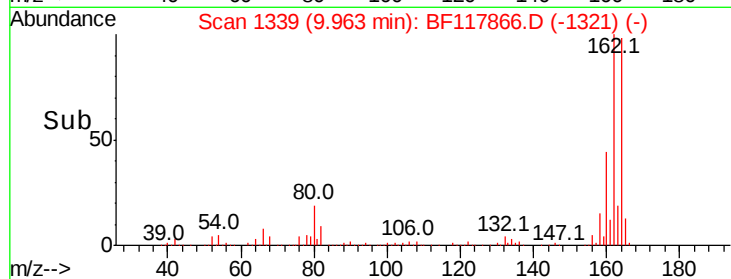
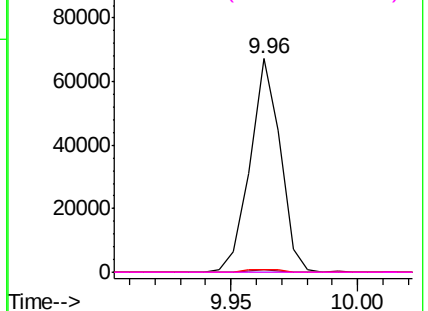
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

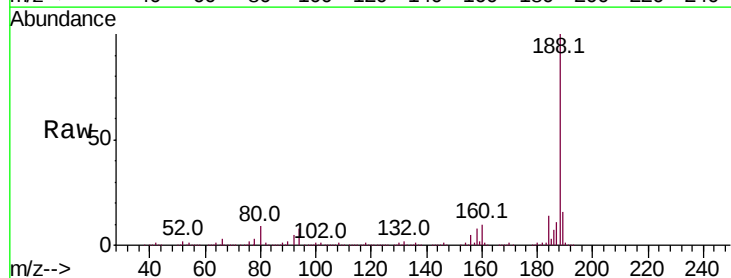
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.46 min Scan# 1593
 Delta R.T. -0.01 min
 Lab File: BF117866.D
 Acq: 19 Nov 2019 18:20

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.6	10.0
80	9.5	7.2	10.8

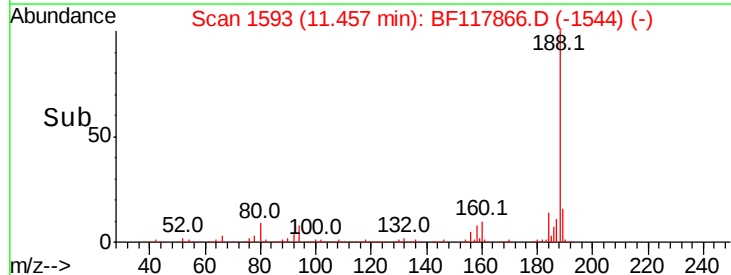
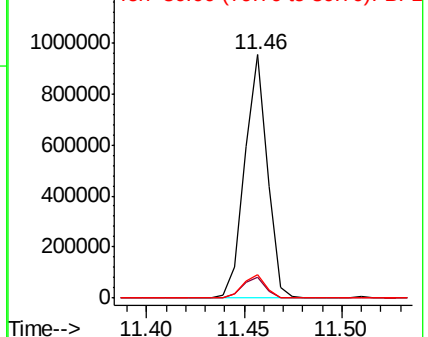


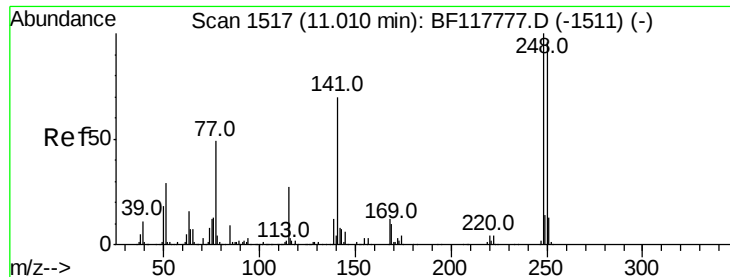
Abundance

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

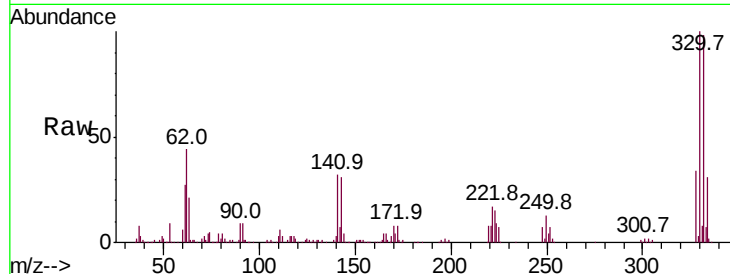




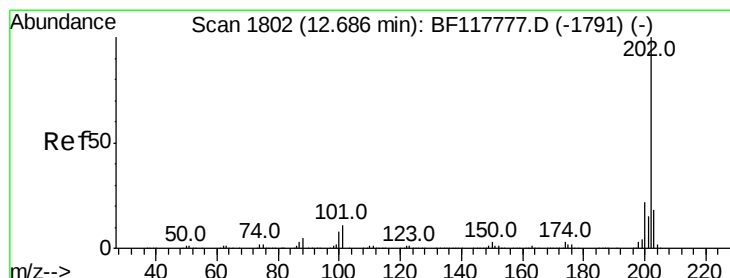
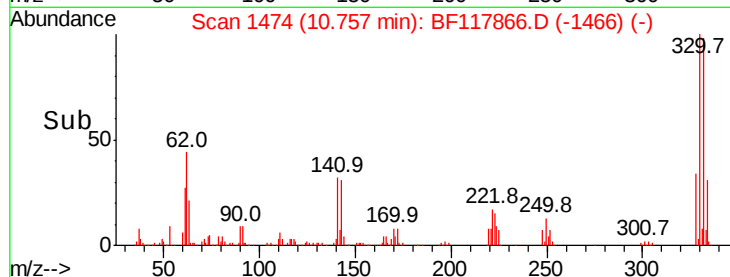
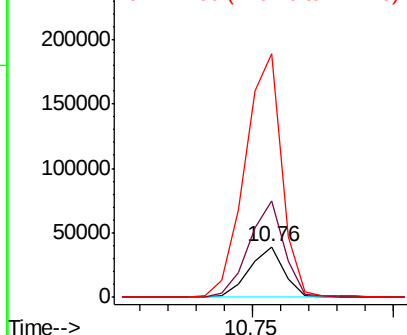
#67
4-Bromophenyl-phenylether
Concen: 4.042 ng
RT: 10.76 min Scan# 1474
Delta R.T. -0.25 min
Lab File: BF117866.D
Acq: 19 Nov 2019 18:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 33475
Ion Ratio Lower Upper
248 100
250 188.3 76.6 115.0#
141 478.5 55.9 83.9#

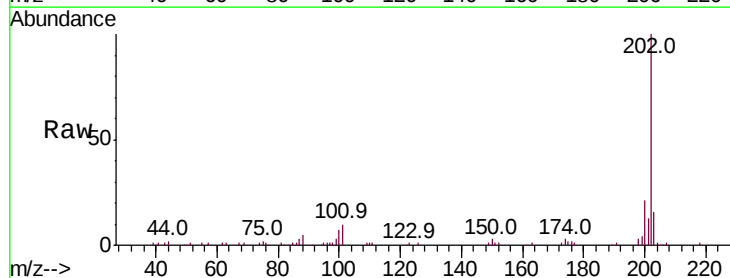


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

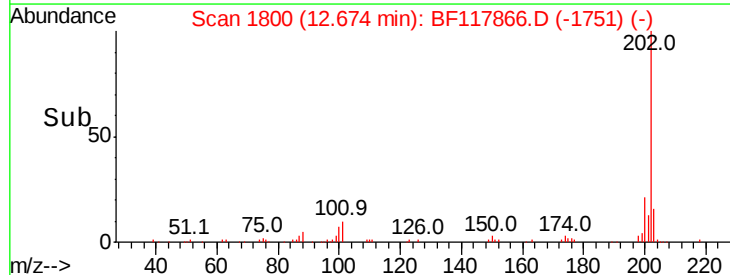
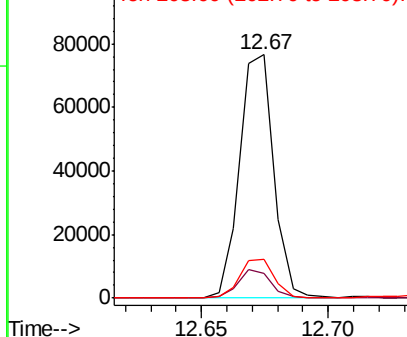


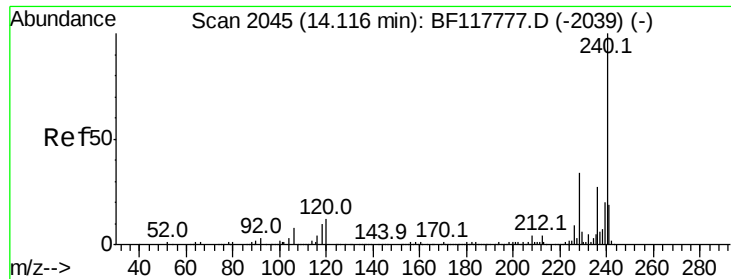
#75
Fluoranthene
Concen: Below Cal
RT: 12.67 min Scan# 1800
Delta R.T. -0.01 min
Lab File: BF117866.D
Acq: 19 Nov 2019 18:20

Tgt Ion:202 Resp: 71890
Ion Ratio Lower Upper
202 100
101 9.9 0.0 31.1
203 15.7 0.0 38.2



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

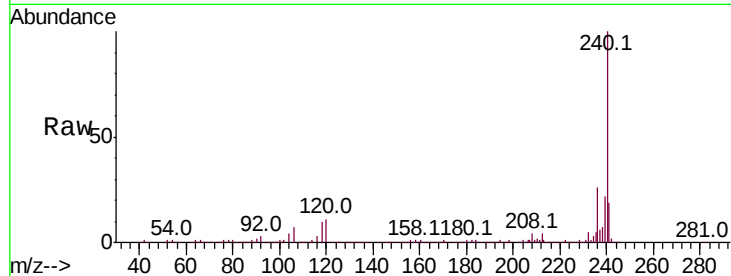




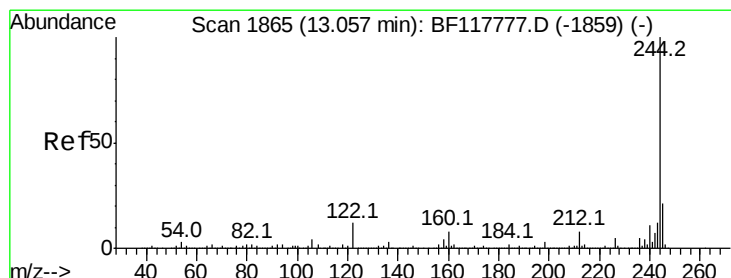
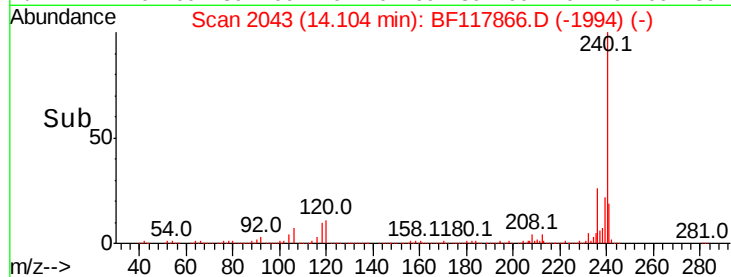
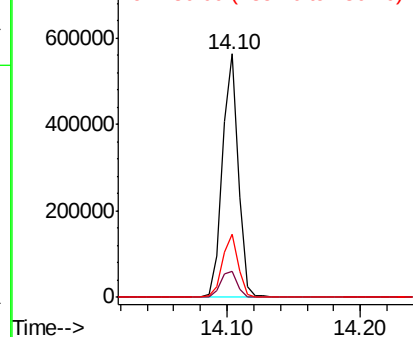
#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 14.10 min Scan# 2043
 Delta R.T. -0.01 min
 Lab File: BF117866.D
 Acq: 19 Nov 2019 18:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:240 Resp: 474813
 Ion Ratio Lower Upper
 240 100
 120 10.7 9.5 14.3
 236 26.1 21.3 31.9

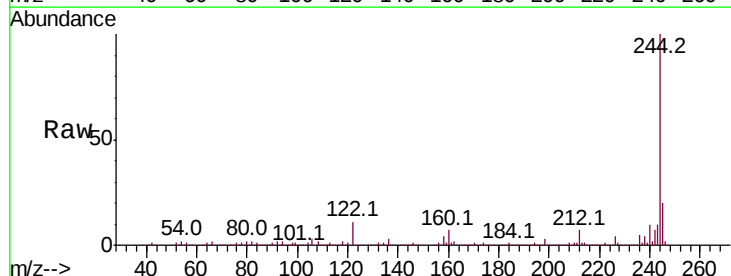


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

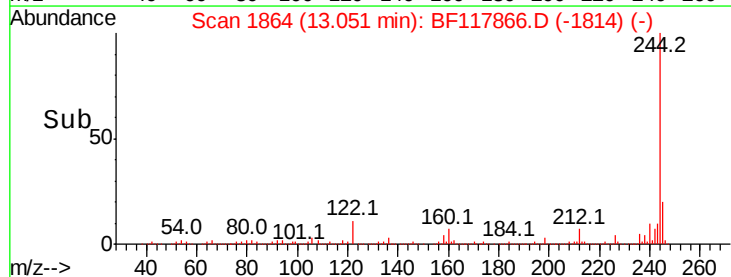
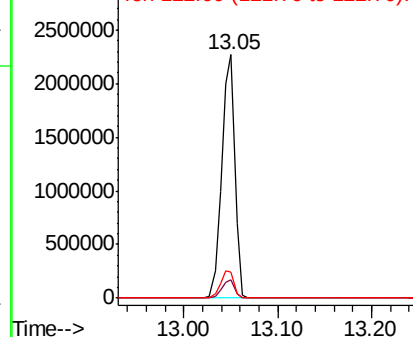


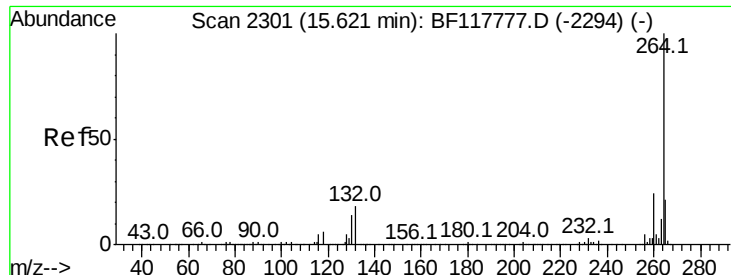
#79
 Terphenyl-d14
 Concen: 85.523 ng
 RT: 13.05 min Scan# 1864
 Delta R.T. -0.01 min
 Lab File: BF117866.D
 Acq: 19 Nov 2019 18:20

Tgt Ion:244 Resp: 2221889
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.3 9.5
 122 10.7 9.4 14.2



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: 15.61 min Scan# 2299
 Delta R.T. -0.01 min
 Lab File: BF117866.D
 Acq: 19 Nov 2019 18:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	264	Resp:	501014
Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.0
265	21.7	17.1	25.7

