

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111819\
 Data File : BF117830.D
 Acq On : 18 Nov 2019 12:54
 Operator : JU
 Sample : PB124881BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 18 15:17:52 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	281501	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	1092528	20.00	ng	-0.01
39) Acenaphthene-d10	9.97	164	578826	20.00	ng	0.00
64) Phenanthrene-d10	11.46	188	1110394	20.00	ng	0.00
76) Chrysene-d12	14.11	240	824665	20.00	ng	0.00
87) Perylene-d12	15.62	264	793830	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.54	112	1514308	95.22	ng	0.00
7) Phenol-d6	6.54	99	1299782	67.76	ng	0.00
23) Nitrobenzene-d5	7.48	82	1654569	90.03	ng	-0.01
42) 2,4,6-Tribromophenol	10.76	330	851914	139.02	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	2956027	91.62	ng	0.00
79) Terphenyl-d14	13.06	244	3513599	77.87	ng	0.00

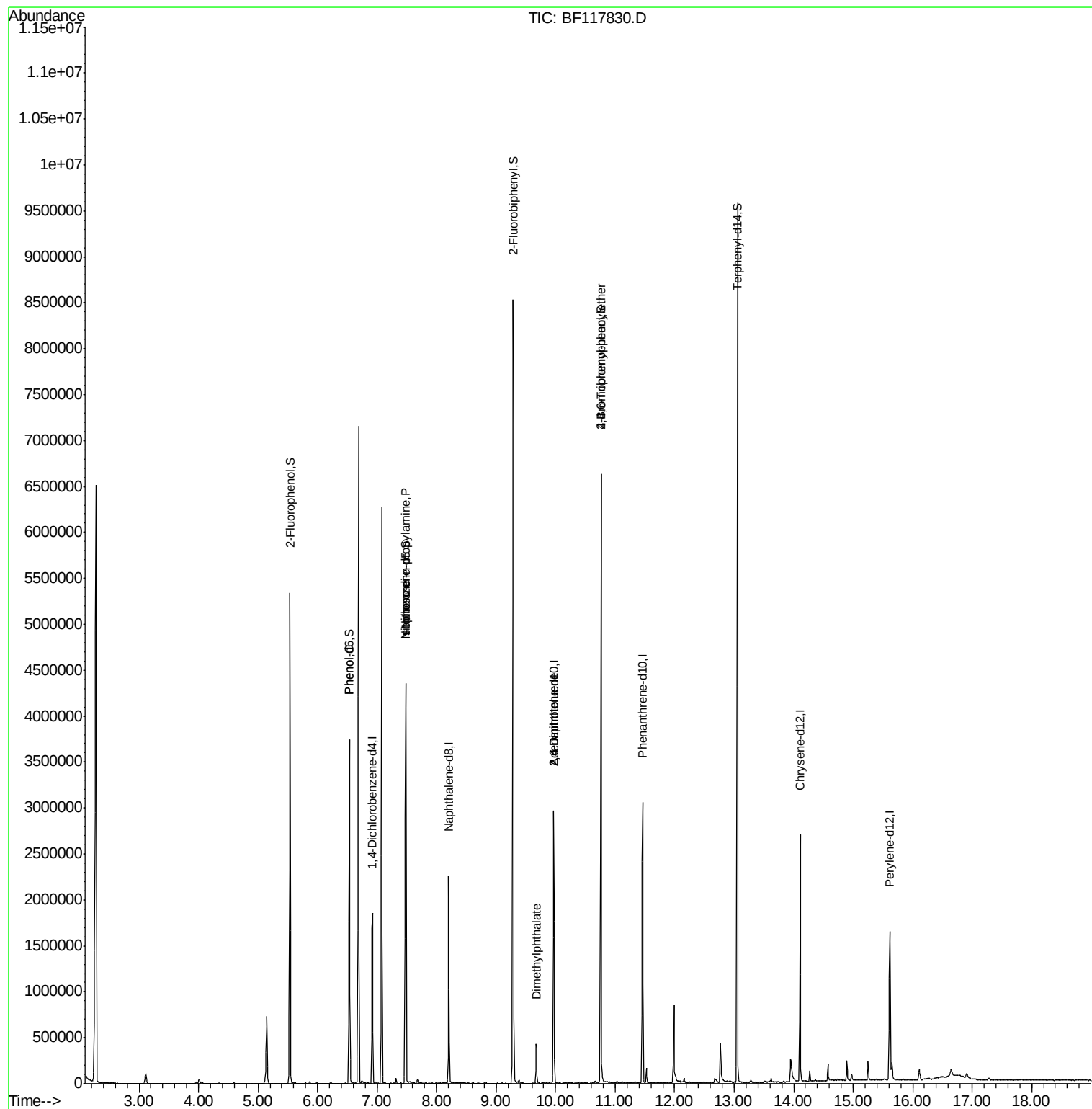
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.54	77	2947	Below Cal		# 1
10) Phenol	6.55	94	84002	4.214	ng	91
19) n-Nitroso-di-n-propylamine	7.48	70	231758	19.585	ng	# 76
25) Isophorone	7.48	82	1650568	49.000	ng	# 62
50) Dimethylphthalate	9.67	163	179984	4.434	ng	100
51) 2,6-Dinitrotoluene	9.97	165	74506	8.399	ng	# 23
57) 2,4-Dinitrotoluene	9.97	165	74506	6.603	ng	# 24
67) 4-Bromophenyl-phenylether	10.76	248	54302	4.532	ng	# 1
75) Fluoranthene	12.67	202	791	Below Cal		56

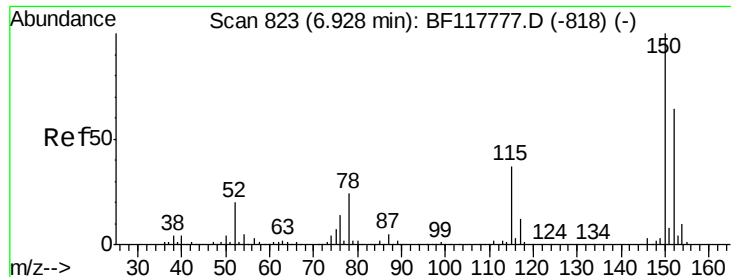
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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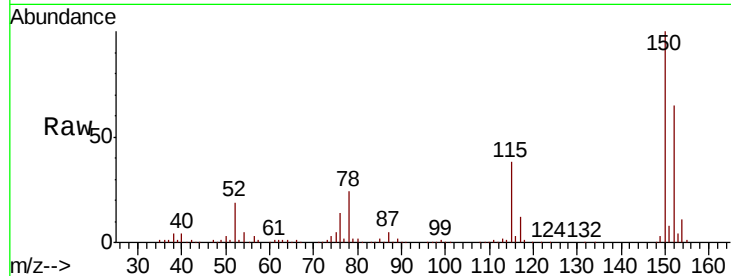


#1

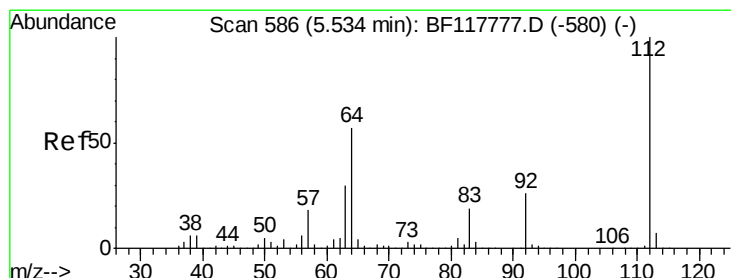
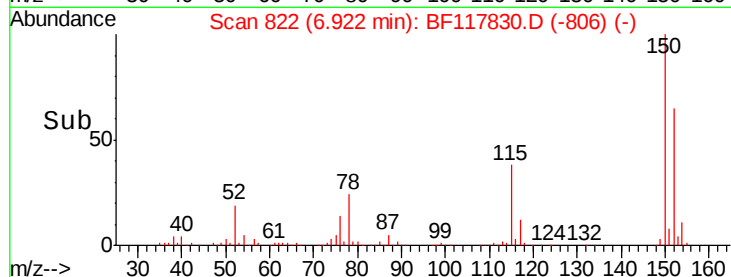
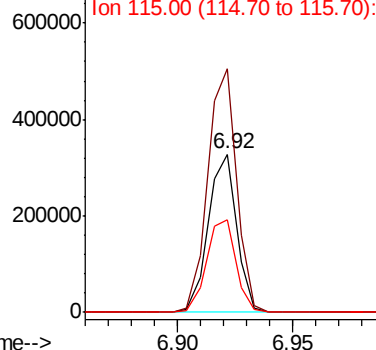
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 822
Delta R.T. -0.01 min
Lab File: BF117830.D
Acq: 18 Nov 2019 12:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 281501
Ion Ratio Lower Upper
152 100
150 153.9 125.3 187.9
115 58.5 47.0 70.4



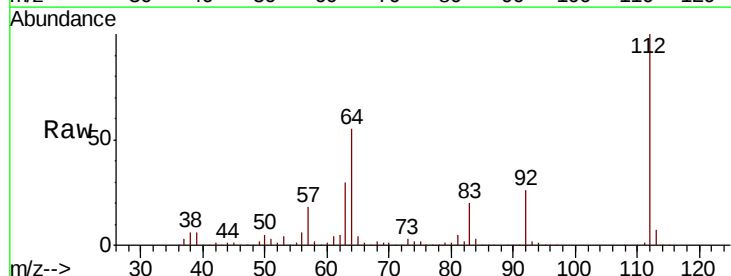
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



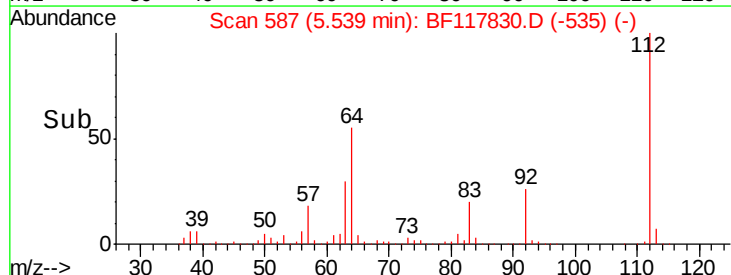
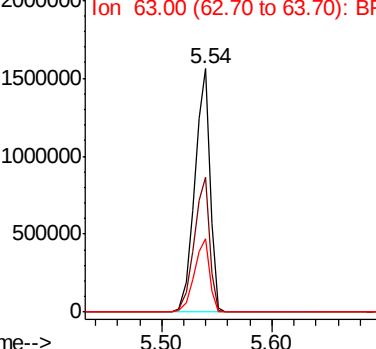
#5

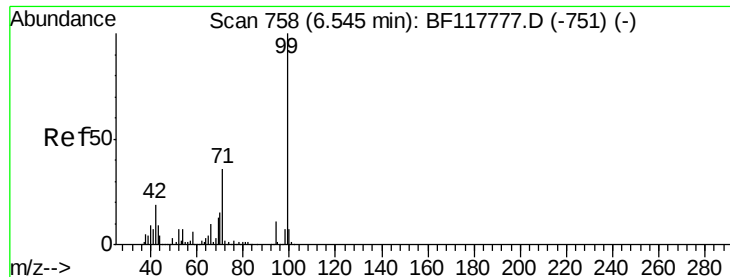
2-Fluorophenol
Concen: 95.221 ng
RT: 5.54 min Scan# 587
Delta R.T. 0.01 min
Lab File: BF117830.D
Acq: 18 Nov 2019 12:54

Tgt Ion:112 Resp: 1514308
Ion Ratio Lower Upper
112 100
64 55.4 45.6 68.4
63 30.2 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: 67.762 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF117830.D

Acq: 18 Nov 2019 12:54

Instrument :

BNA_F

ClientSampleId :

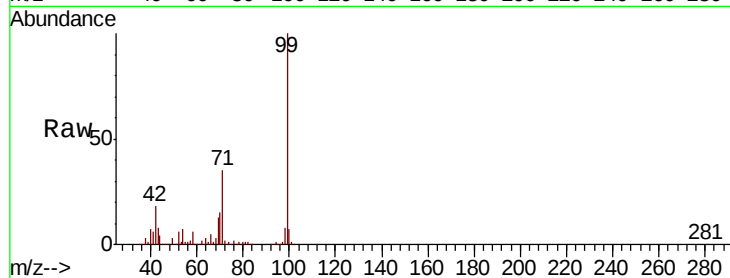
Tot Ion: 99 Resp: 1299782

Ion Ratio Lower Upper

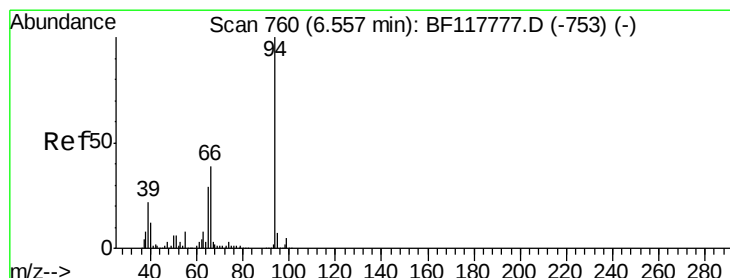
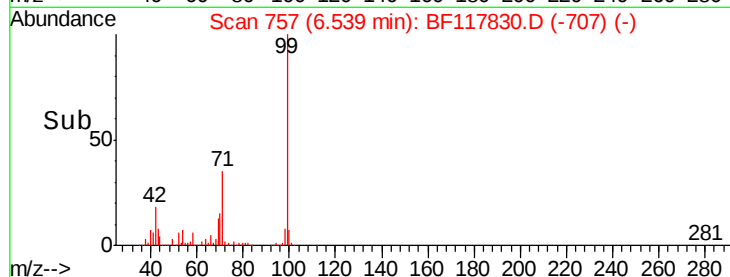
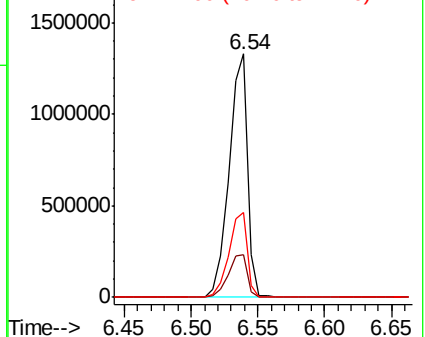
99 100

42 17.6 14.9 22.3

71 35.1 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: 4.214 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF117830.D

Acq: 18 Nov 2019 12:54

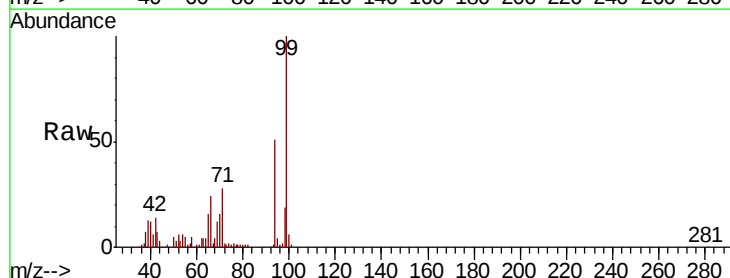
Tgt Ion: 94 Resp: 84002

Ion Ratio Lower Upper

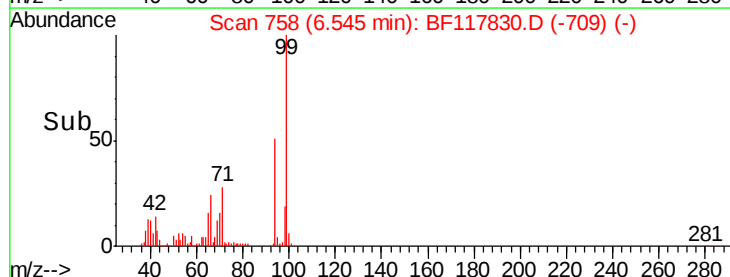
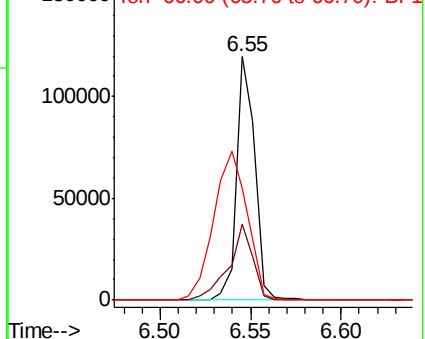
94 100

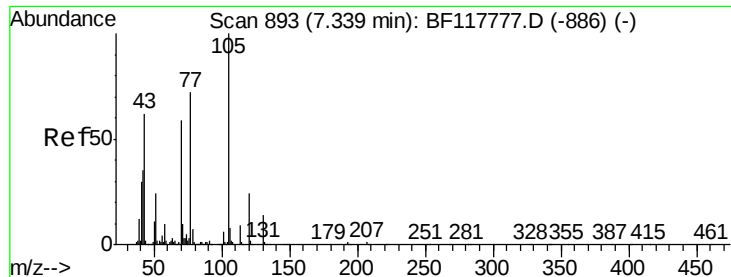
65 31.0 8.9 48.9

66 46.0 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

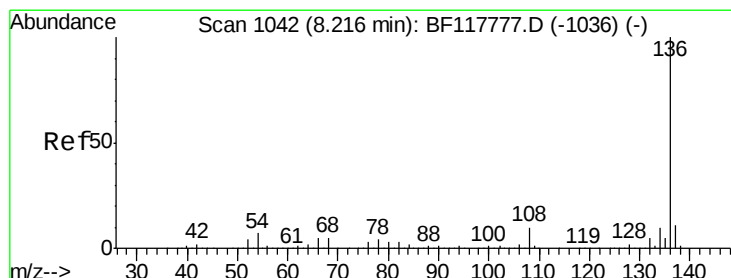
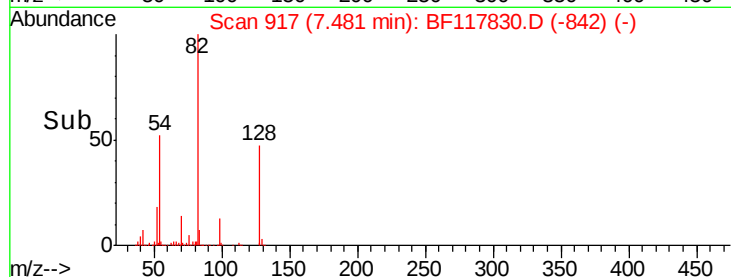
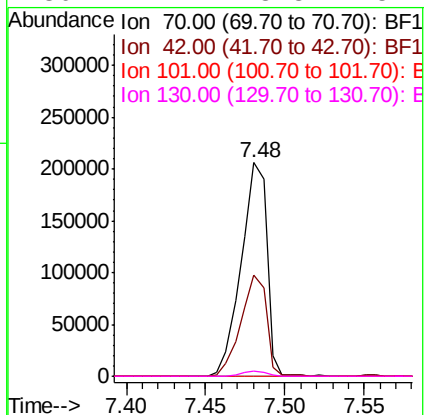
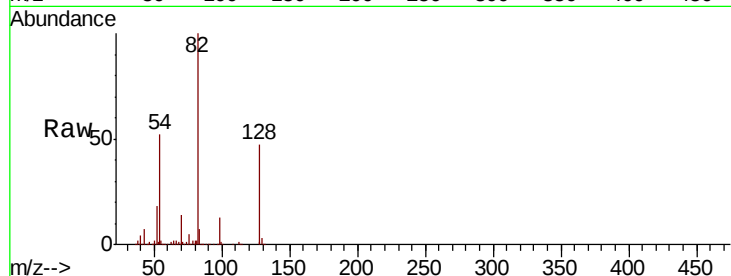




#19
n-Nitroso-di-n-propylamine
Concen: 19.585 ng
RT: 7.48 min Scan# 917
Delta R.T. 0.14 min
Lab File: BF117830.D
Acq: 18 Nov 2019 12:54

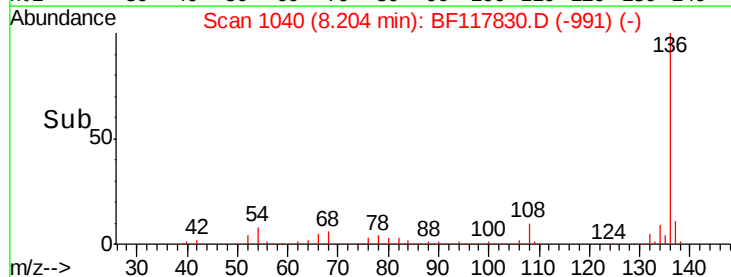
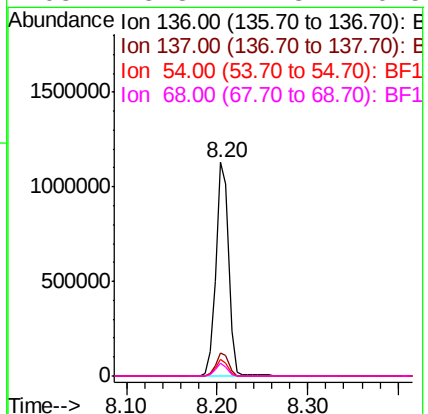
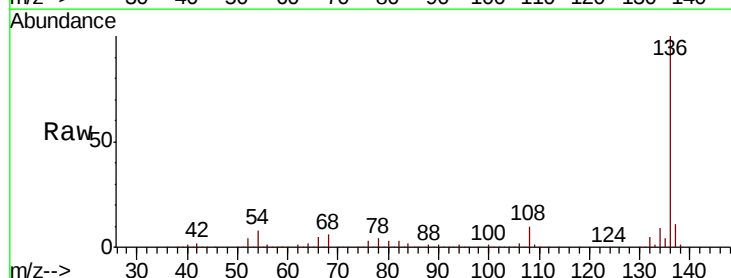
Instrument :
BNA_F
ClientSampleId :

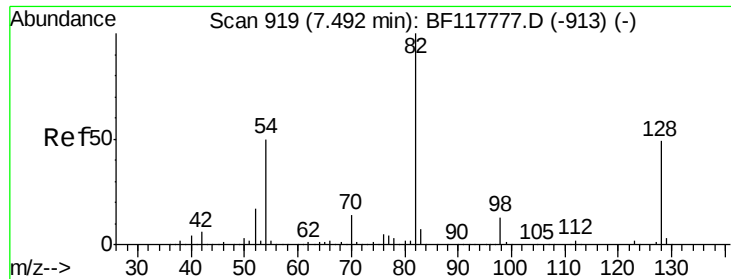
Tot Ion	Ratio	Lower	Upper
70	100		
42	47.6	47.4	71.2
101	0.0	8.4	12.6#
130	2.1	18.8	28.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF117830.D
Acq: 18 Nov 2019 12:54

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	7.6	5.4	8.2
68	5.8	4.3	6.5

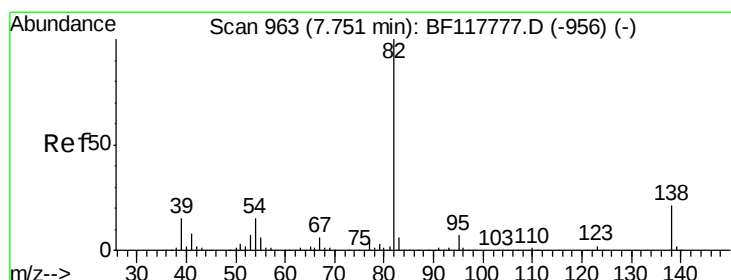
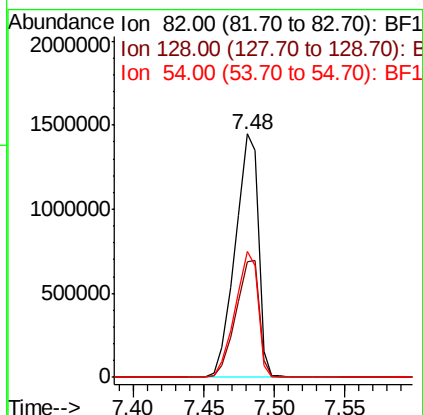
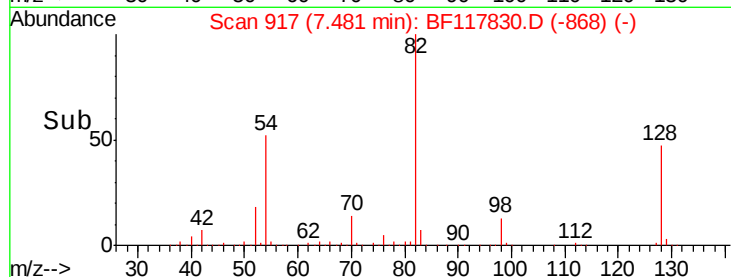
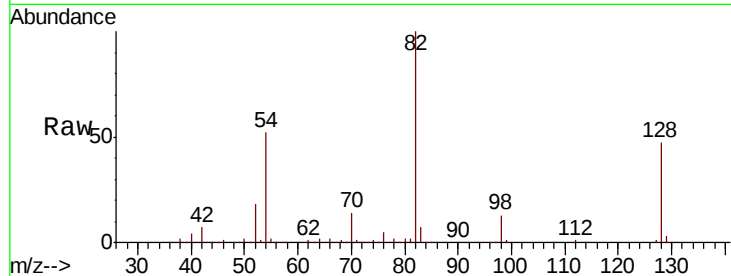




#23
Nitrobenzene-d5
Concen: 90.027 ng
RT: 7.48 min Scan# 917
Delta R.T. -0.01 min
Lab File: BF117830.D
Acq: 18 Nov 2019 12:54

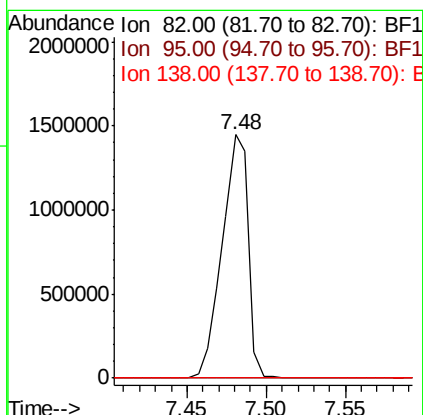
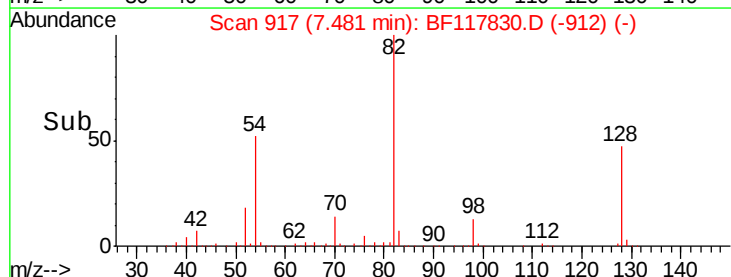
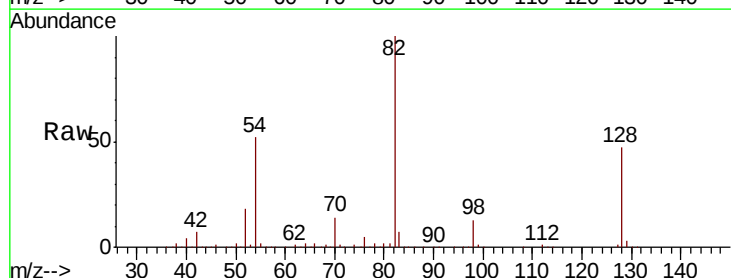
Instrument :
BNA_F
ClientSampleId :

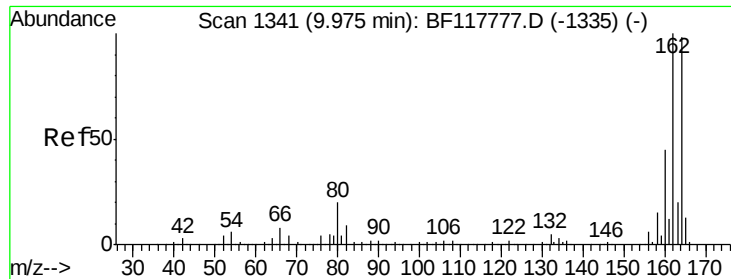
Tot Ion: 82 Resp: 1654569
Ion Ratio Lower Upper
82 100
128 47.5 38.9 58.3
54 51.6 39.8 59.6



#25
Isophorone
Concen: 49.000 ng
RT: 7.48 min Scan# 917
Delta R.T. -0.27 min
Lab File: BF117830.D
Acq: 18 Nov 2019 12:54

Tgt Ion: 82 Resp: 1650568
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.5 24.7#

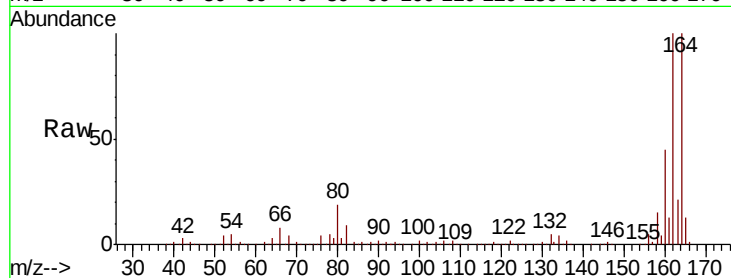




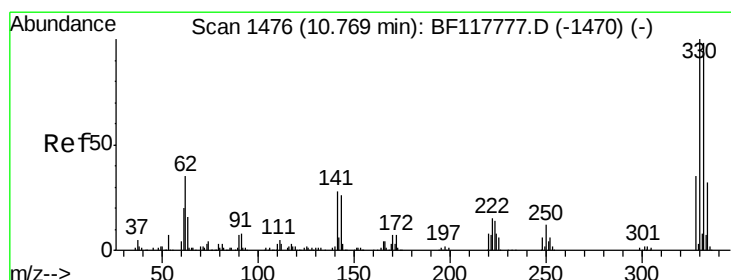
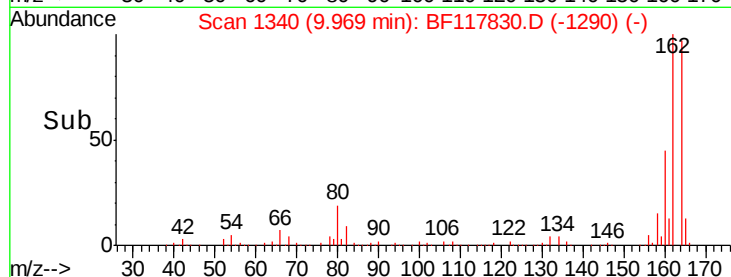
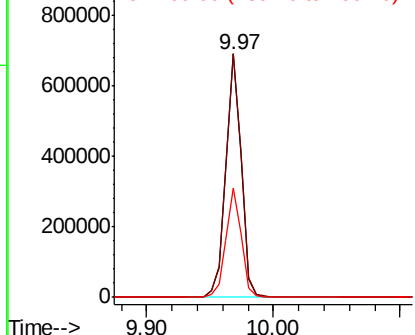
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF117830.D
Acq: 18 Nov 2019 12:54

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.1	81.3	121.9
160	44.8	36.6	55.0

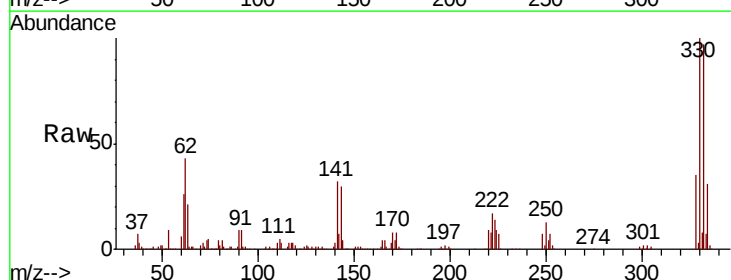


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

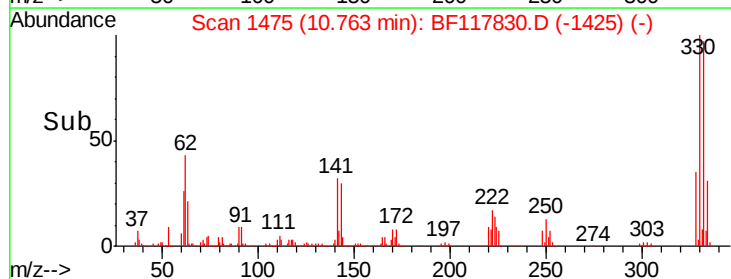
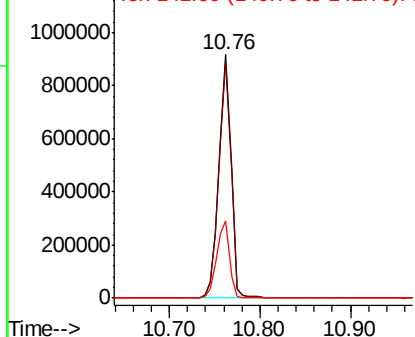


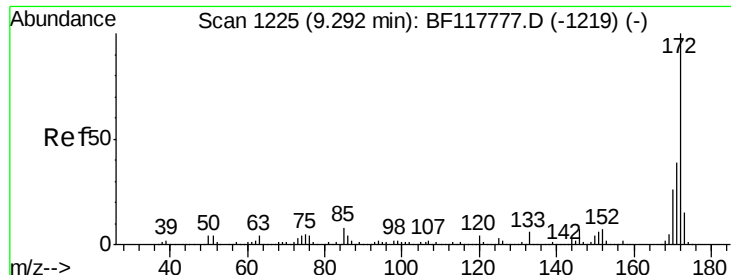
#42
2,4,6-Tribromophenol
Concen: 139.021 ng
RT: 10.76 min Scan# 1475
Delta R.T. -0.01 min
Lab File: BF117830.D
Acq: 18 Nov 2019 12:54

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.7	115.1
141	33.4	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

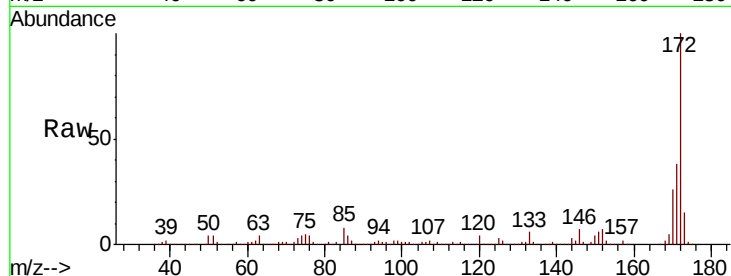




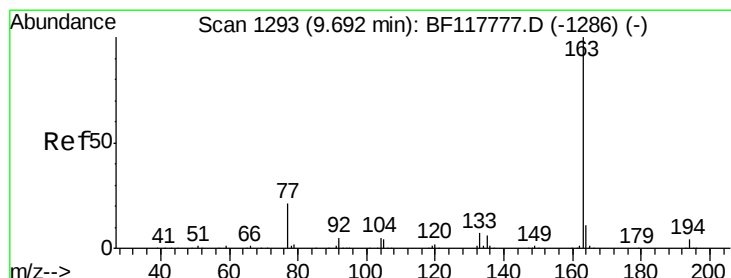
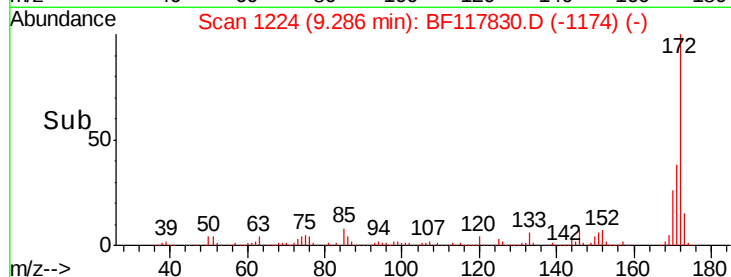
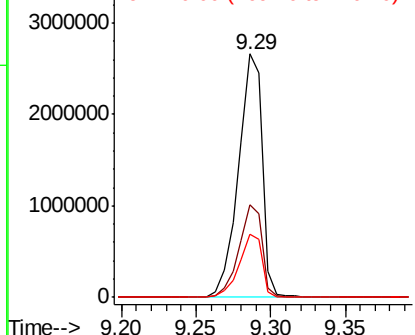
#45
2-Fluorobiphenyl
Concen: 91.620 ng
RT: 9.29 min Scan# 1224
Delta R.T. -0.01 min
Lab File: BF117830.D
Acq: 18 Nov 2019 12:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 2956027
Ion Ratio Lower Upper
172 100
171 38.1 30.9 46.3
170 26.0 21.0 31.4

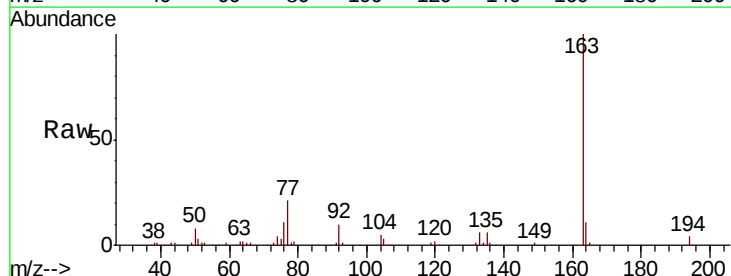


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

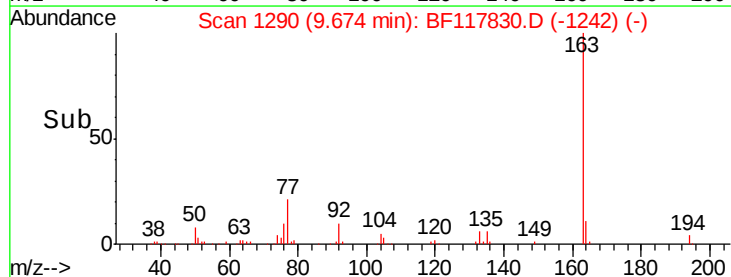
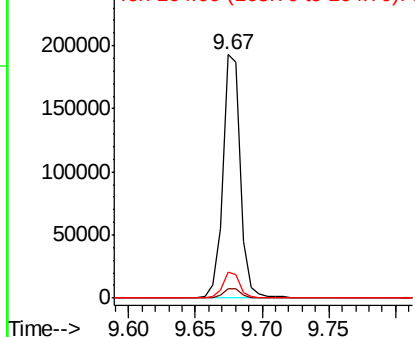


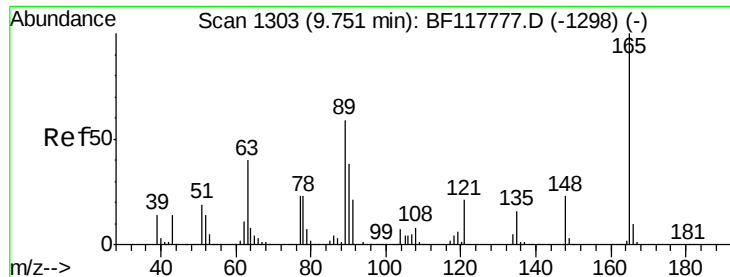
#50
Dimethylphthalate
Concen: 4.434 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BF117830.D
Acq: 18 Nov 2019 12:54

Tgt Ion:163 Resp: 179984
Ion Ratio Lower Upper
163 100
194 4.0 3.3 4.9
164 10.8 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

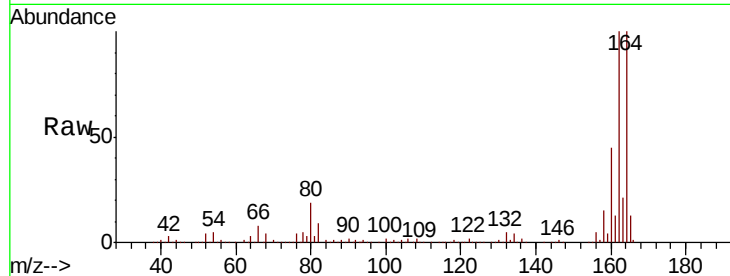




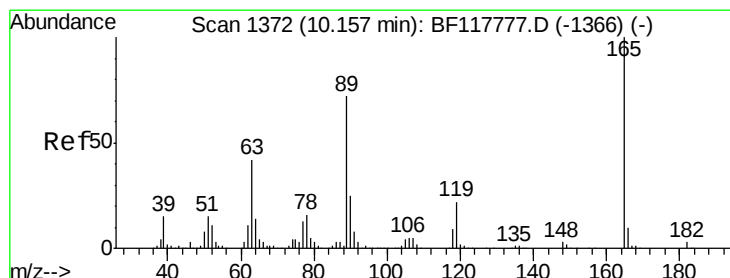
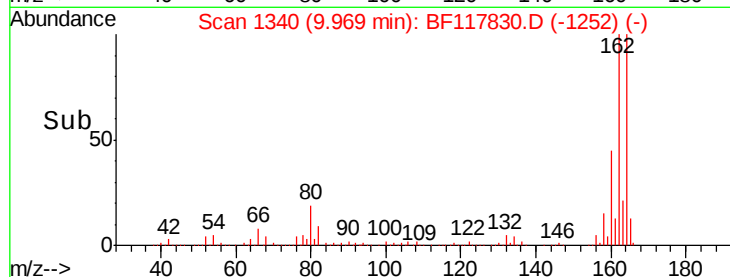
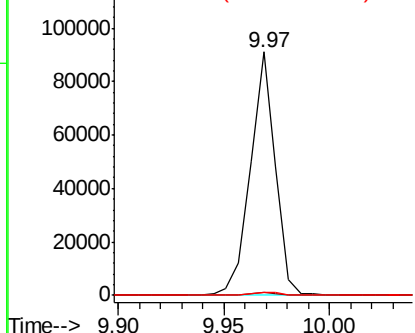
#51
 2,6-Dinitrotoluene
 Concen: 8.399 ng
 RT: 9.97 min Scan# 1340
 Delta R.T. 0.22 min
 Lab File: BF117830.D
 Acq: 18 Nov 2019 12:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	46.0	69.0#
89	1.2	47.7	71.5#



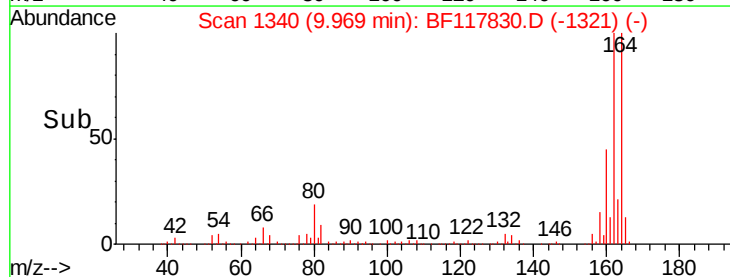
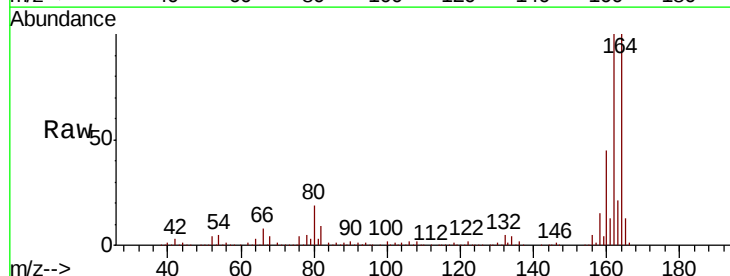
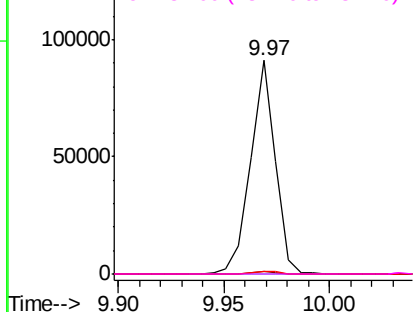
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

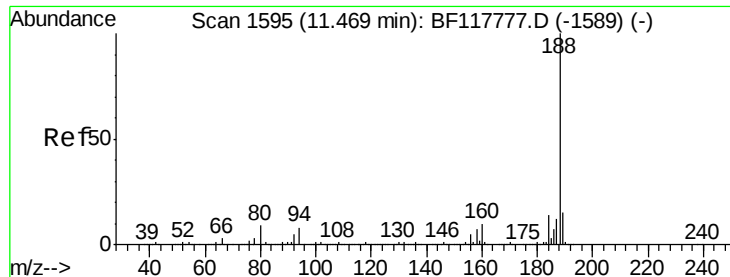


#57
 2,4-Dinitrotoluene
 Concen: 6.603 ng
 RT: 9.97 min Scan# 1340
 Delta R.T. -0.19 min
 Lab File: BF117830.D
 Acq: 18 Nov 2019 12:54

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	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

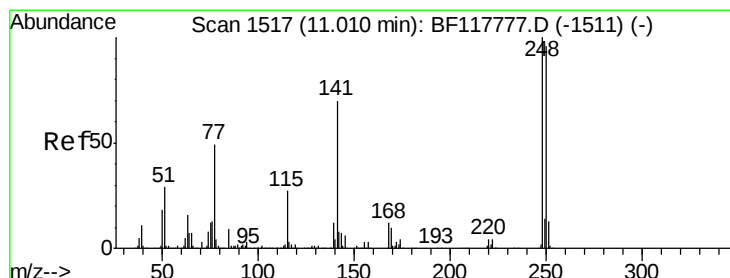
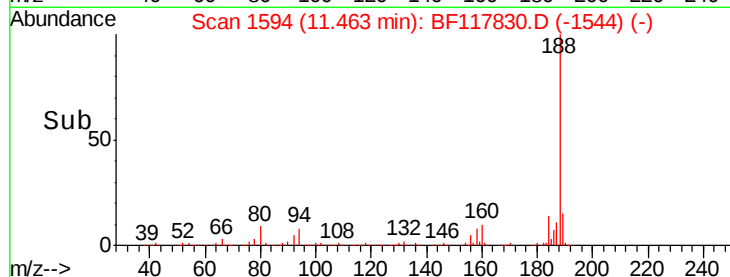
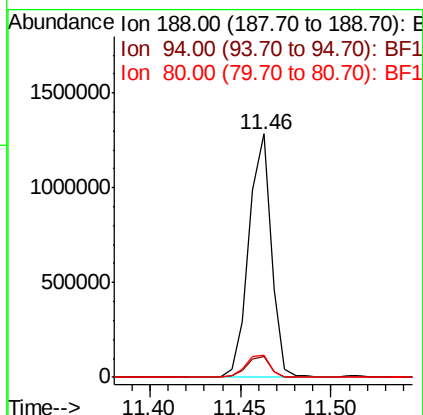
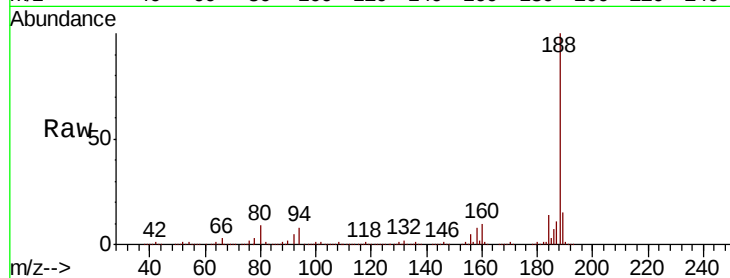




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF117830.D
Acq: 18 Nov 2019 12:54

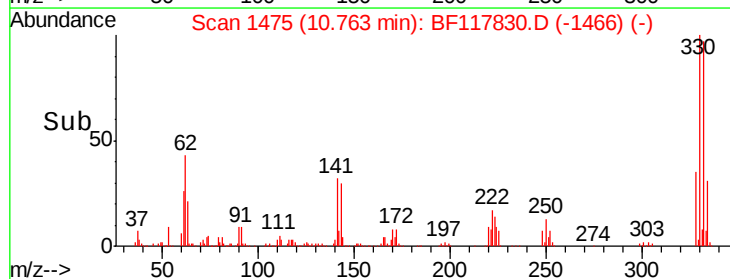
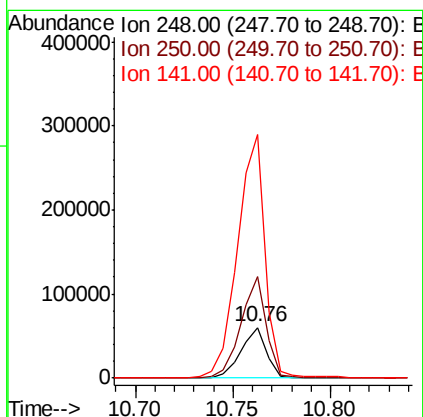
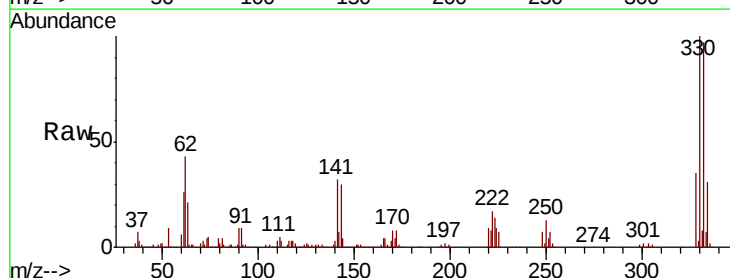
Instrument :
BNA_F
ClientSampleId :

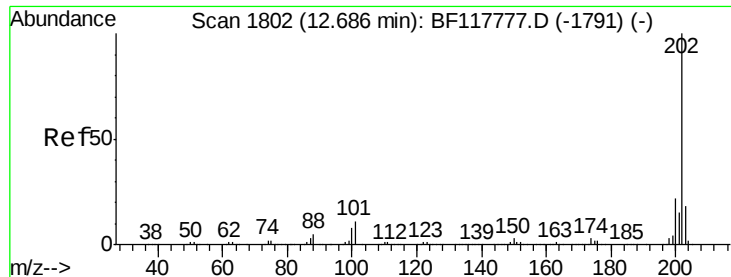
Tot Ion:188 Resp: 1110394
Ion Ratio Lower Upper
188 100
94 8.4 6.6 10.0
80 9.0 7.2 10.8



#67
4-Bromophenyl-phenylether
Concen: 4.532 ng
RT: 10.76 min Scan# 1475
Delta R.T. -0.25 min
Lab File: BF117830.D
Acq: 18 Nov 2019 12:54

Tgt Ion:248 Resp: 54302
Ion Ratio Lower Upper
248 100
250 201.8 76.6 115.0#
141 481.0 55.9 83.9#





#75

Fluoranthene

Concen: Below Cal

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF117830.D

Acq: 18 Nov 2019 12:54

Instrument :

BNA_F

ClientSampleId :

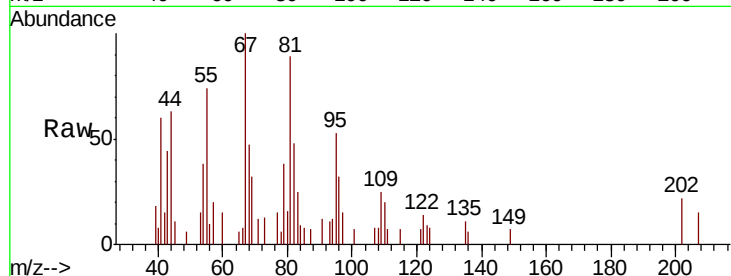
Tot Ion:202 Resp: 791

Ion Ratio Lower Upper

202 100

101 29.2 0.0 31.1

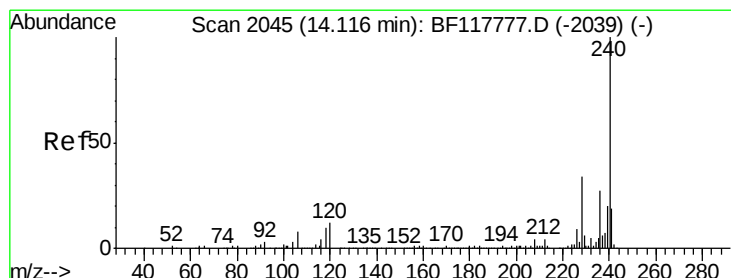
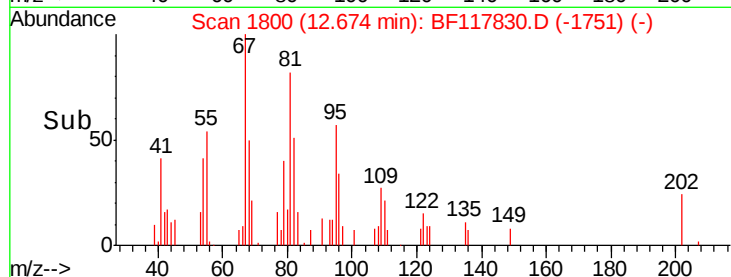
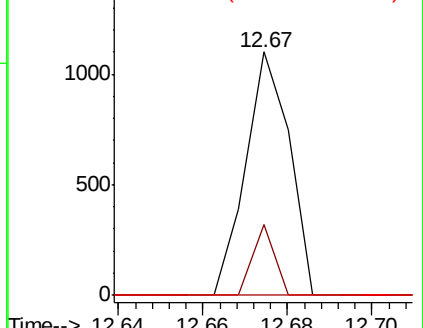
203 0.0 0.0 38.2



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

Chrysene-d12

Concen: 20.000 ng

RT: 14.11 min Scan# 2044

Delta R.T. -0.01 min

Lab File: BF117830.D

Acq: 18 Nov 2019 12:54

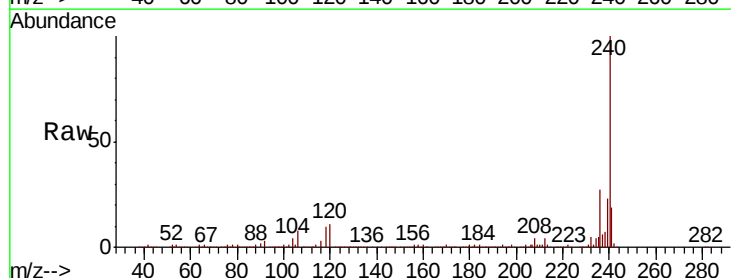
Tgt Ion:240 Resp: 824665

Ion Ratio Lower Upper

240 100

120 11.0 9.5 14.3

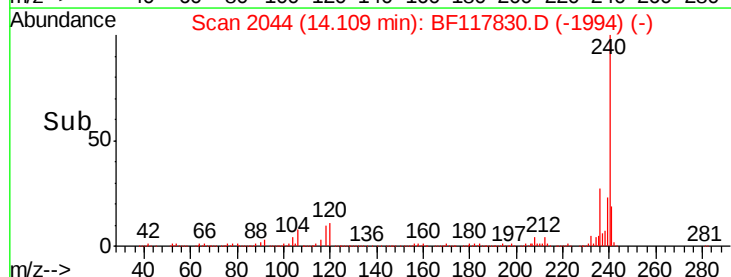
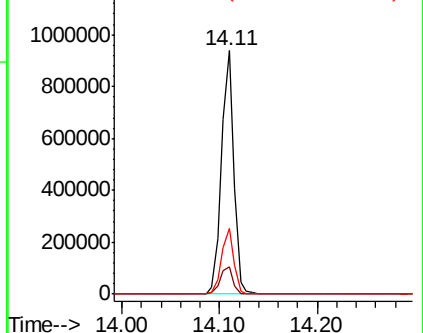
236 27.0 21.3 31.9

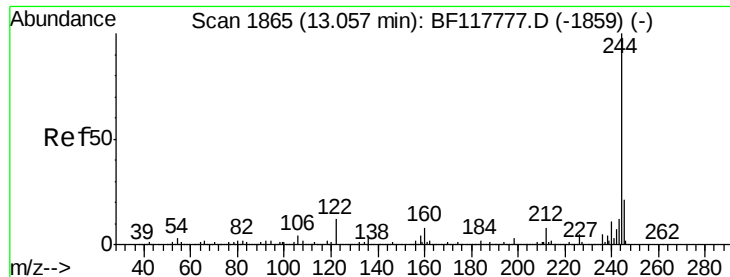


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 77.868 ng

RT: 13.06 min Scan# 1865

Delta R.T. -0.00 min

Lab File: BF117830.D

Acq: 18 Nov 2019 12:54

Instrument :

BNA_F

ClientSampleId :

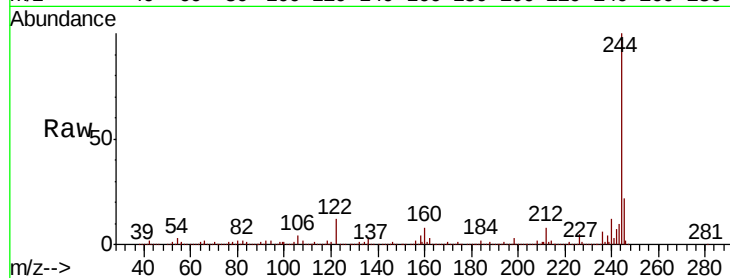
Tot Ion:244 Resp: 3513599

Ion Ratio Lower Upper

244 100

212 8.2 6.3 9.5

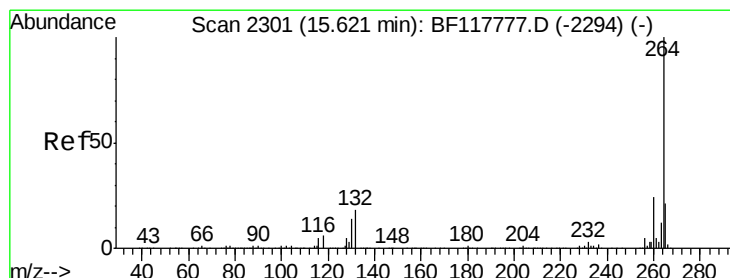
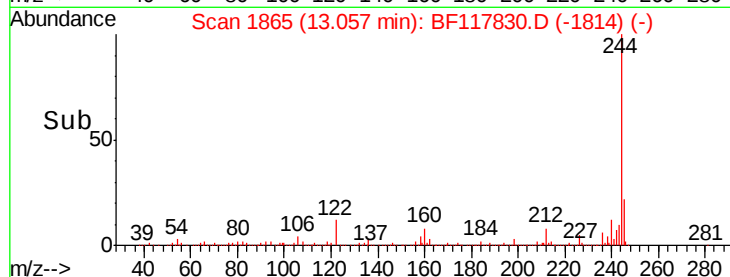
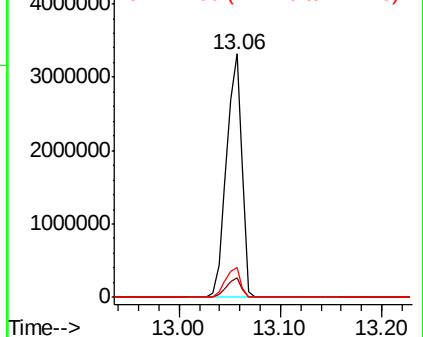
122 12.1 9.4 14.2



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

Perylene-d12

Concen: 20.000 ng

RT: 15.62 min Scan# 2300

Delta R.T. -0.01 min

Lab File: BF117830.D

Acq: 18 Nov 2019 12:54

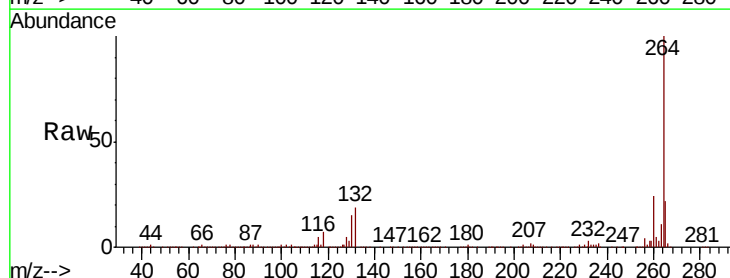
Tgt Ion:264 Resp: 793830

Ion Ratio Lower Upper

264 100

260 24.4 19.4 29.0

265 22.0 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

