

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111819\
 Data File : BF117831.D
 Acq On : 18 Nov 2019 13:21
 Operator : JU
 Sample : PB124878BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 18 15:17:44 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	255611	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	990429	20.00	ng	-0.01
39) Acenaphthene-d10	9.97	164	532522	20.00	ng	0.00
64) Phenanthrene-d10	11.46	188	1047415	20.00	ng	0.00
76) Chrysene-d12	14.11	240	812540	20.00	ng	0.00
87) Perylene-d12	15.62	264	799750	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	1817353	125.85	ng	0.01
7) Phenol-d6	6.55	99	2326101	133.55	ng	0.00
23) Nitrobenzene-d5	7.48	82	1440066	86.43	ng	-0.01
42) 2,4,6-Tribromophenol	10.76	330	763632	135.45	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	2705323	91.14	ng	0.00
79) Terphenyl-d14	13.06	244	3292608	74.06	ng	0.00

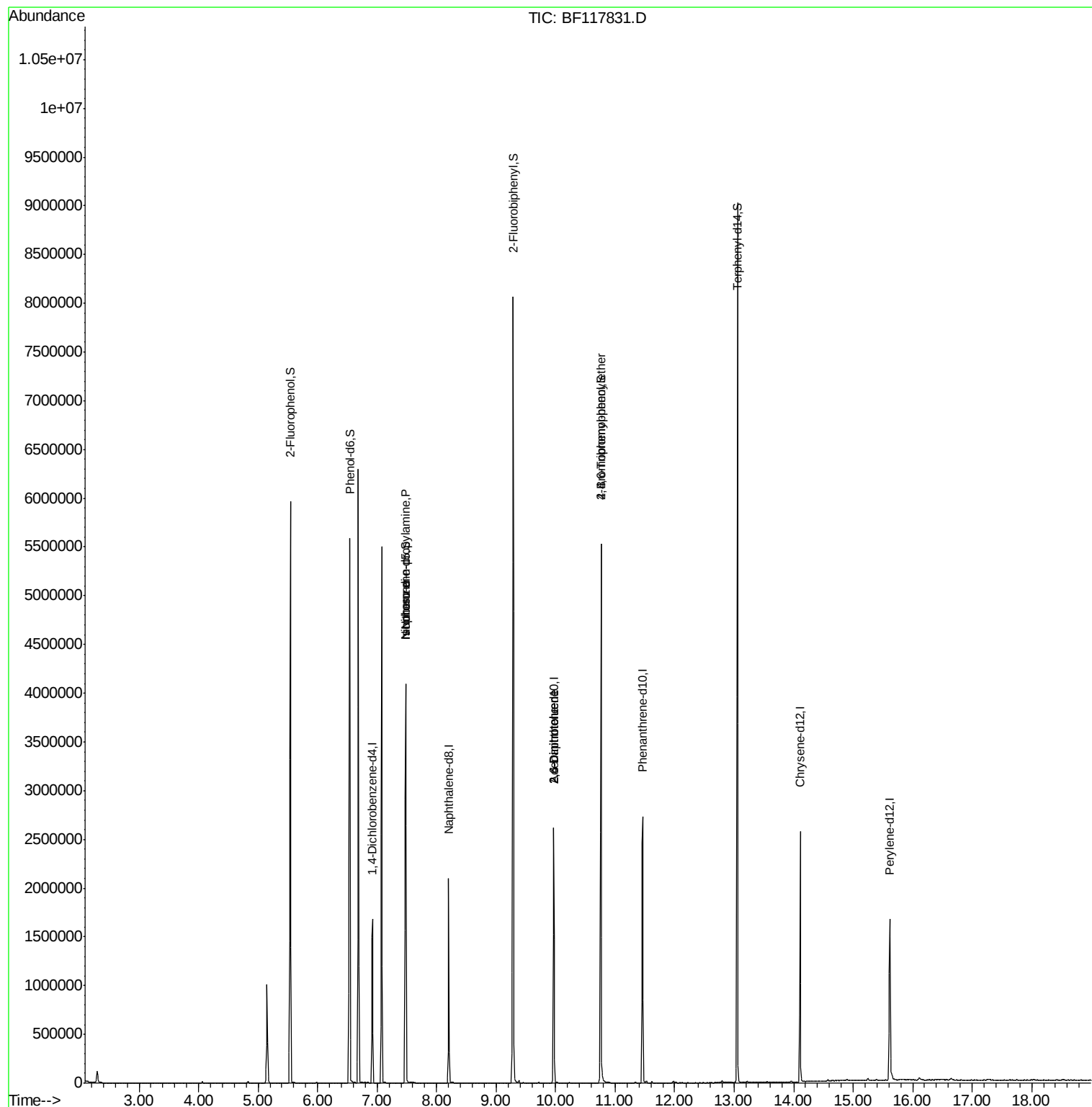
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.55	77	3858	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.48	70	197416	18.372	ng	# 76
25) Isophorone	7.48	82	1431548	46.879	ng	# 62
51) 2,6-Dinitrotoluene	9.97	165	68146	8.350	ng	# 23
57) 2,4-Dinitrotoluene	9.97	165	68146	6.564	ng	# 24
67) 4-Bromophenyl-phenylether	10.76	248	49561	4.385	ng	# 1
75) Fluoranthene	12.68	202	270	Below Cal		63

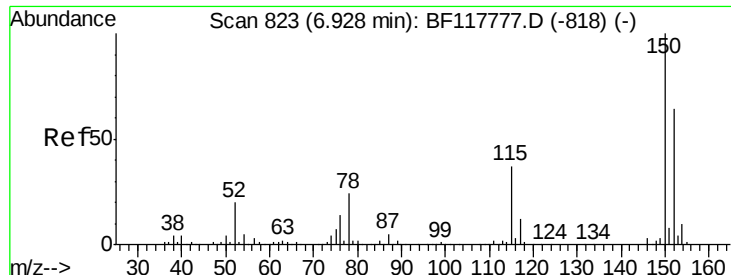
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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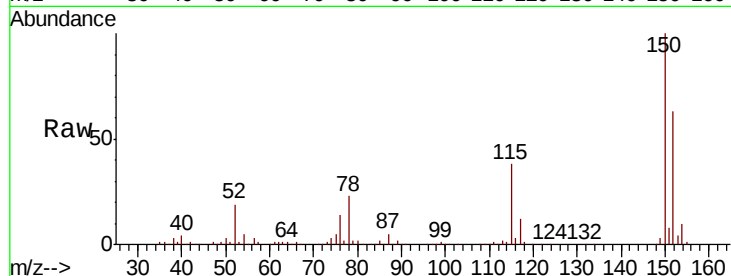


#1

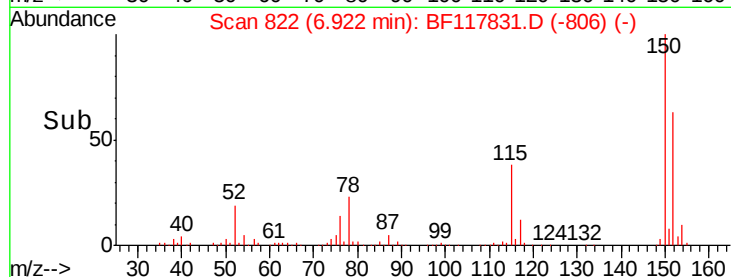
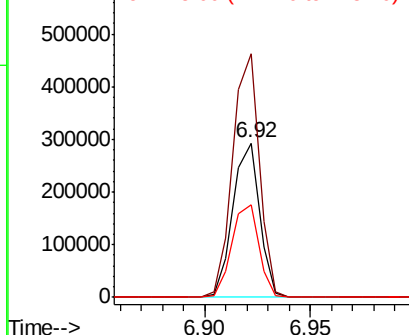
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 822
Delta R.T. -0.01 min
Lab File: BF117831.D
Acq: 18 Nov 2019 13:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 255611
Ion Ratio Lower Upper
152 100
150 157.5 125.3 187.9
115 59.7 47.0 70.4



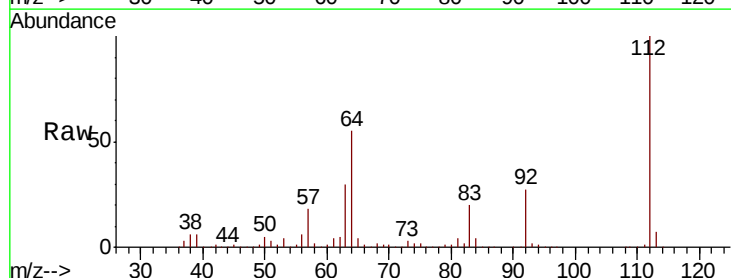
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



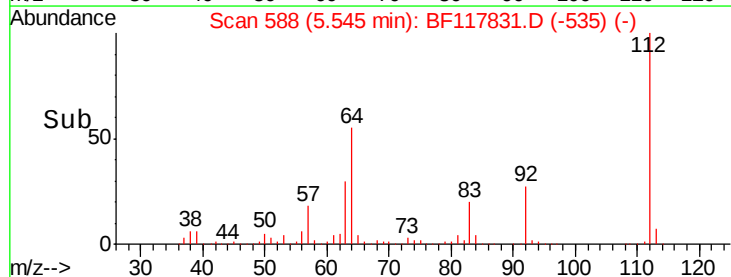
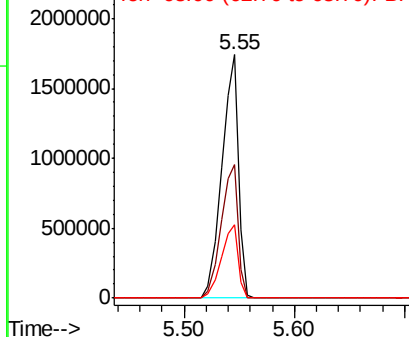
#5

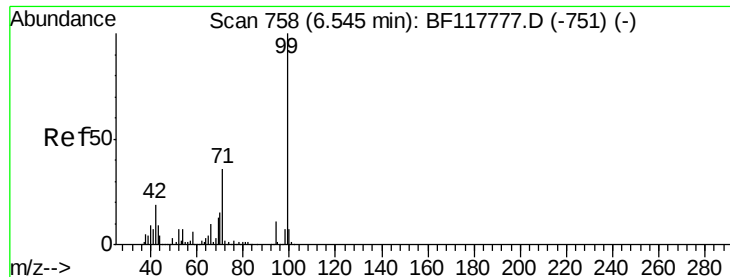
2-Fluorophenol
Concen: 125.852 ng
RT: 5.55 min Scan# 588
Delta R.T. 0.01 min
Lab File: BF117831.D
Acq: 18 Nov 2019 13:21

Tgt Ion:112 Resp: 1817353
Ion Ratio Lower Upper
112 100
64 54.8 45.6 68.4
63 29.9 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: 133.550 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.00 min

Lab File: BF117831.D

Acq: 18 Nov 2019 13:21

Instrument :

BNA_F

ClientSampleId :

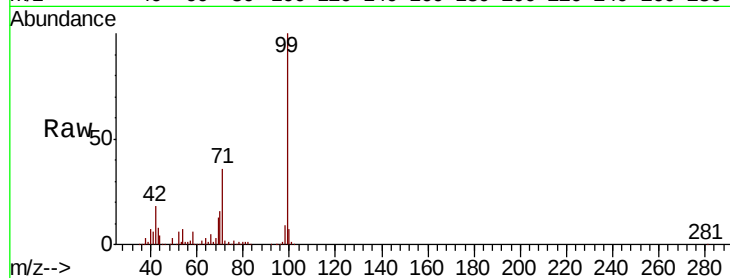
Tot Ion: 99 Resp: 2326101

Ion Ratio Lower Upper

99 100

42 17.9 14.9 22.3

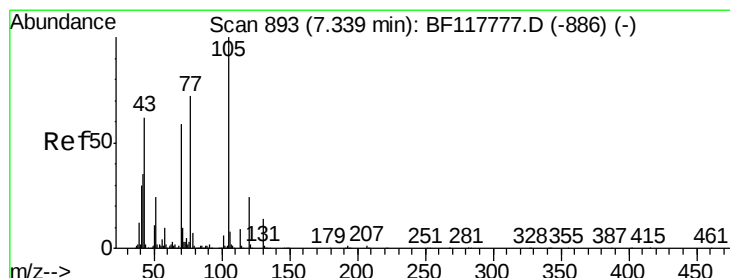
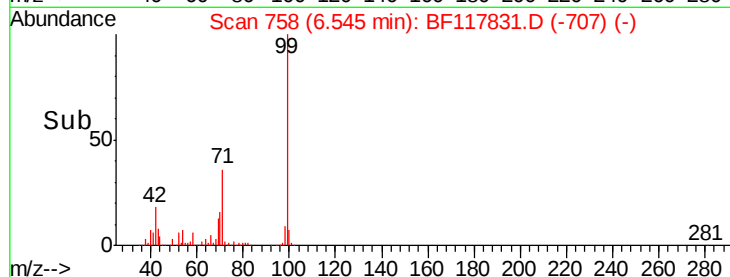
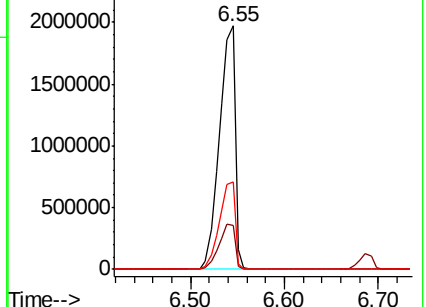
71 35.7 28.6 43.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 18.372 ng

RT: 7.48 min Scan# 917

Delta R.T. 0.14 min

Lab File: BF117831.D

Acq: 18 Nov 2019 13:21

Tgt Ion: 70 Resp: 197416

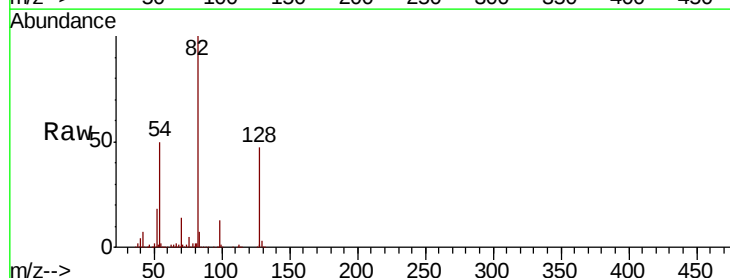
Ion Ratio Lower Upper

70 100

42 47.9 47.4 71.2

101 0.0 8.4 12.6#

130 2.2 18.8 28.2#

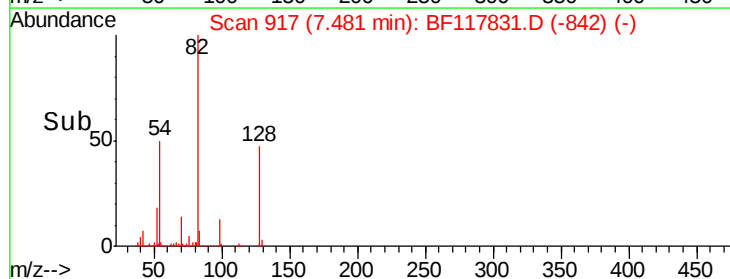
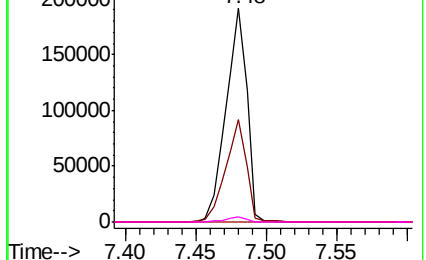


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

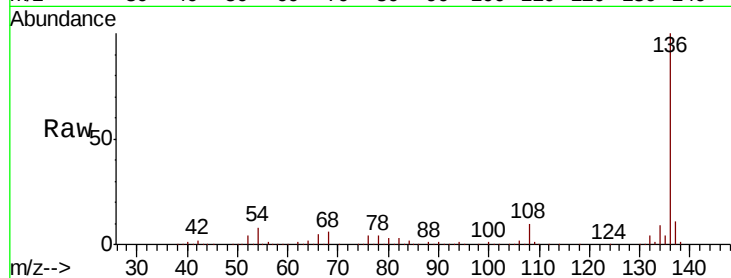




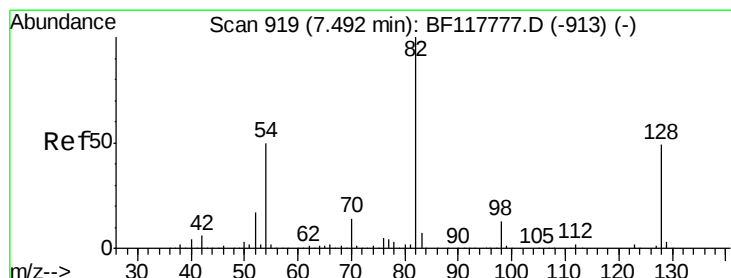
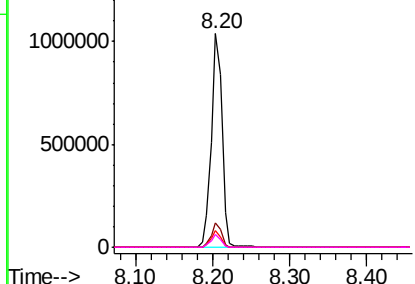
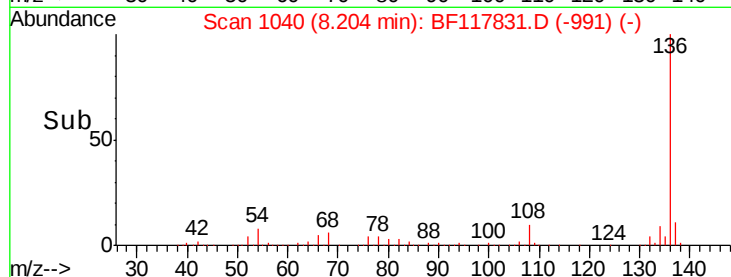
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF117831.D
Acq: 18 Nov 2019 13:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	990429
Ion Ratio	Lower	Upper
136	100	
137	11.5	9.0 13.4
54	7.6	5.4 8.2
68	5.8	4.3 6.5

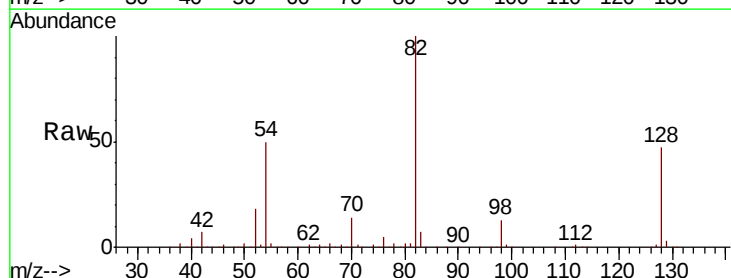


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

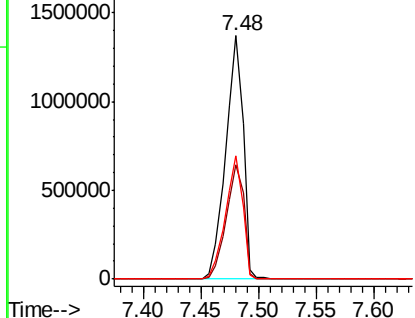
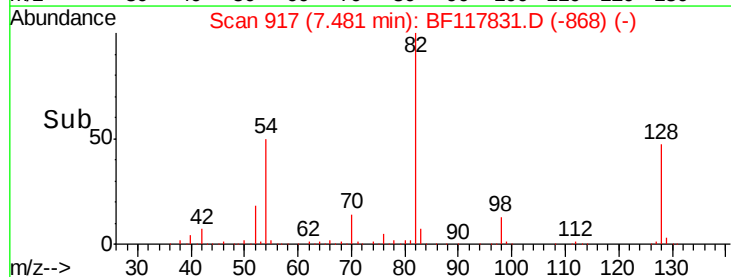


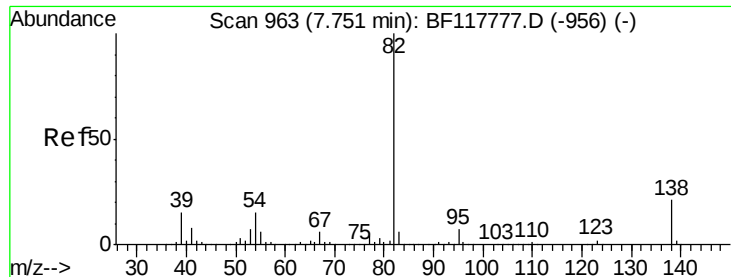
#23
Nitrobenzene-d5
Concen: 86.433 ng
RT: 7.48 min Scan# 917
Delta R.T. -0.01 min
Lab File: BF117831.D
Acq: 18 Nov 2019 13:21

Tgt Ion: 82	Resp:	1440066
Ion Ratio	Lower	Upper
82	100	
128	47.2	38.9 58.3
54	50.4	39.8 59.6



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

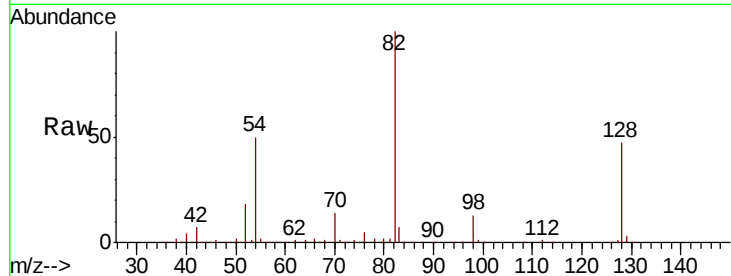




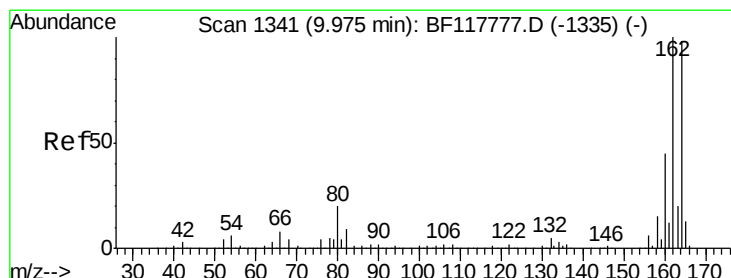
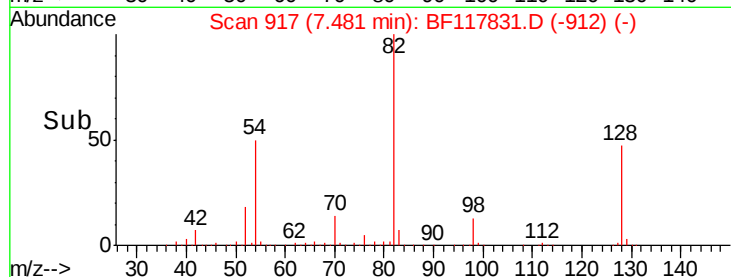
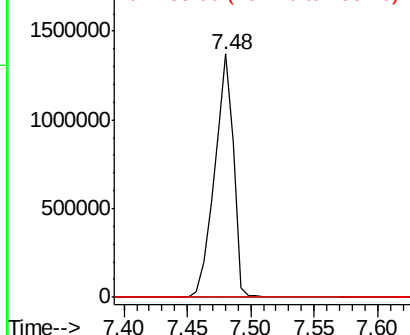
#25
Isophorone
Concen: 46.879 ng
RT: 7.48 min Scan# 917
Delta R.T. -0.27 min
Lab File: BF117831.D
Acq: 18 Nov 2019 13:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 1431548
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.5 24.7#

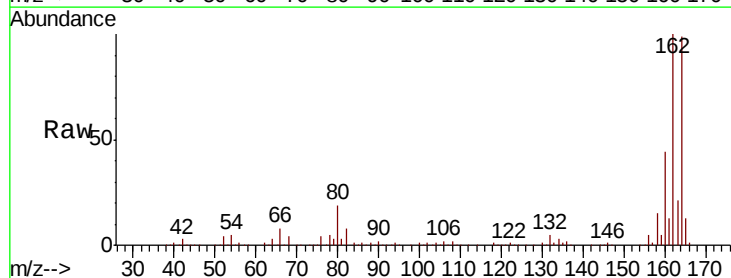


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

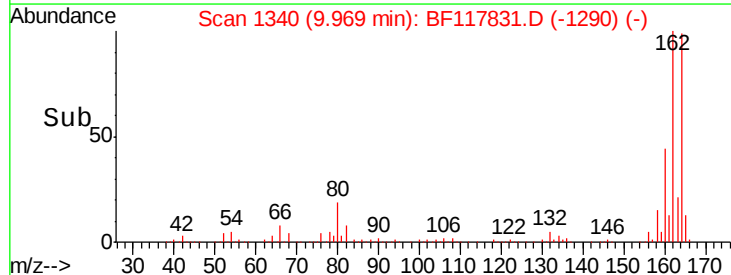
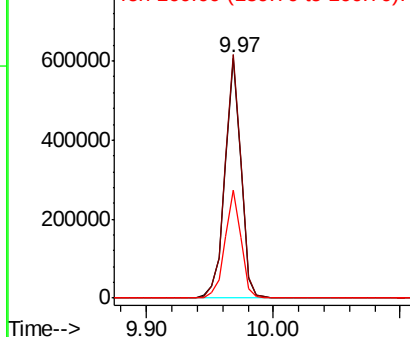


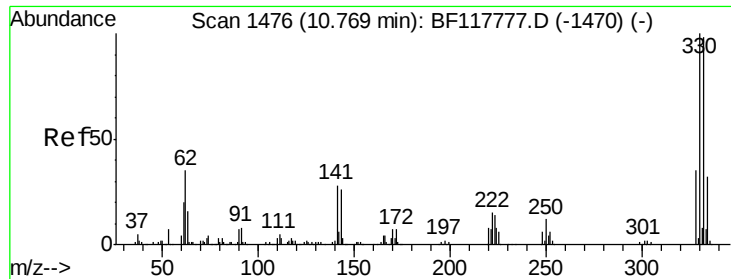
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF117831.D
Acq: 18 Nov 2019 13:21

Tgt Ion:164 Resp: 532522
Ion Ratio Lower Upper
164 100
162 101.4 81.3 121.9
160 44.7 36.6 55.0



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1





#42

2,4,6-Tribromophenol

Concen: 135.450 ng

RT: 10.76 min Scan# 1475

Delta R.T. -0.01 min

Lab File: BF117831.D

Acq: 18 Nov 2019 13:21

Instrument :

BNA_F

ClientSampleId :

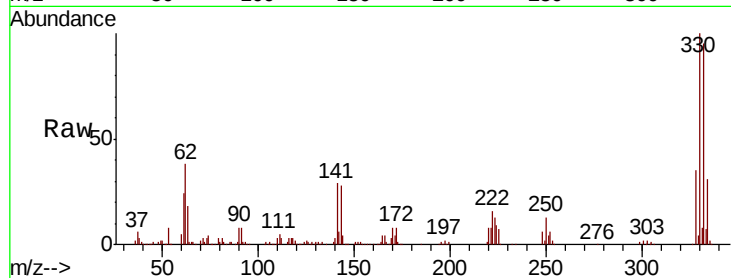
Tot Ion:330 Resp: 763632

Ion Ratio Lower Upper

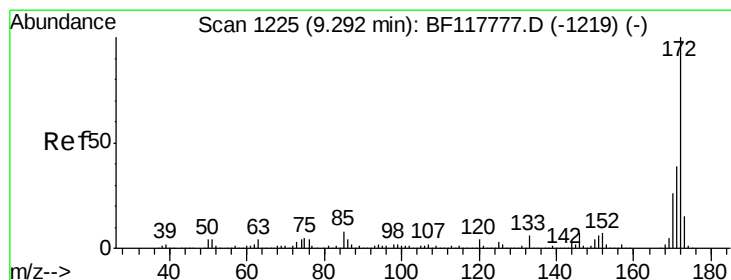
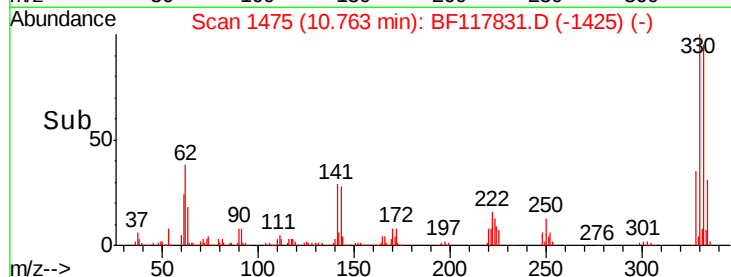
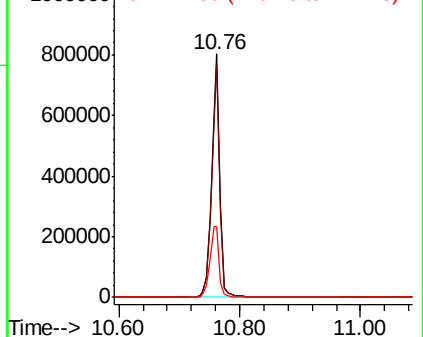
330 100

332 95.4 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: 91.141 ng

RT: 9.29 min Scan# 1224

Delta R.T. -0.01 min

Lab File: BF117831.D

Acq: 18 Nov 2019 13:21

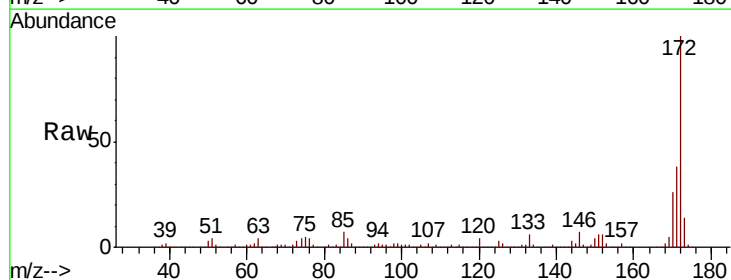
Tgt Ion:172 Resp: 2705323

Ion Ratio Lower Upper

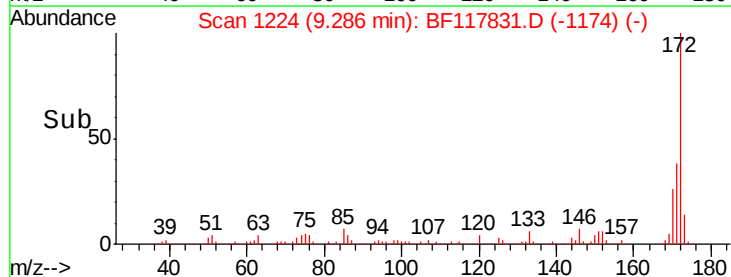
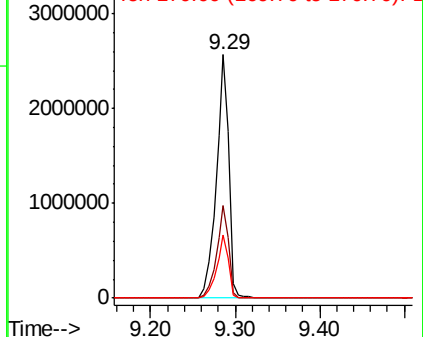
172 100

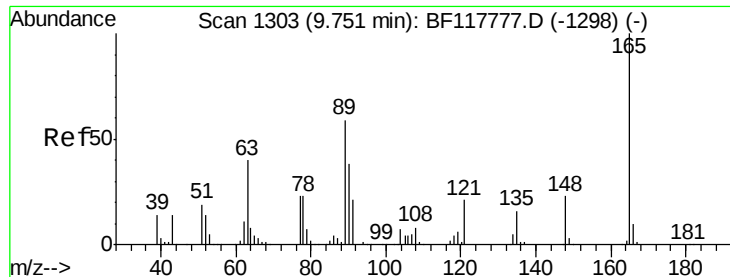
171 37.9 30.9 46.3

170 25.7 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

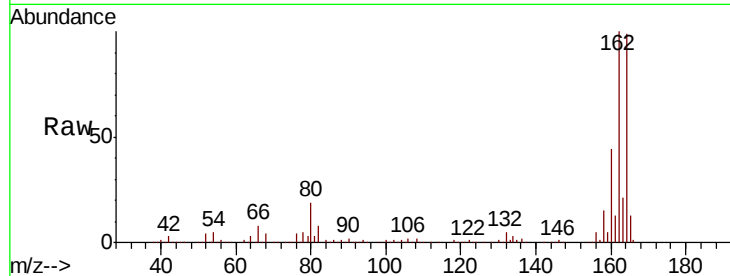




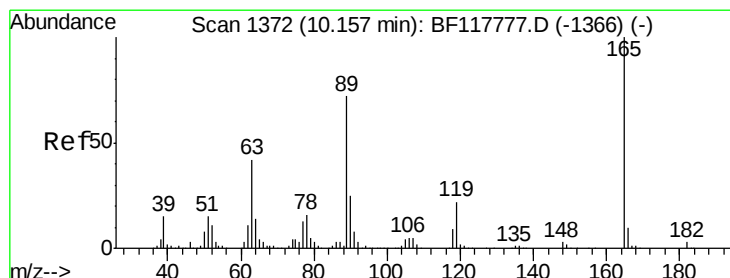
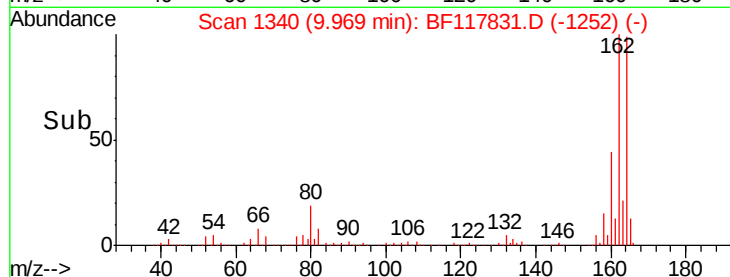
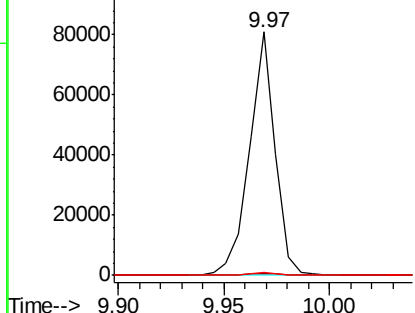
#51
 2,6-Dinitrotoluene
 Concen: 8.350 ng
 RT: 9.97 min Scan# 1340
 Delta R.T. 0.22 min
 Lab File: BF117831.D
 Acq: 18 Nov 2019 13:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.9	46.0	69.0#
89	1.3	47.7	71.5#



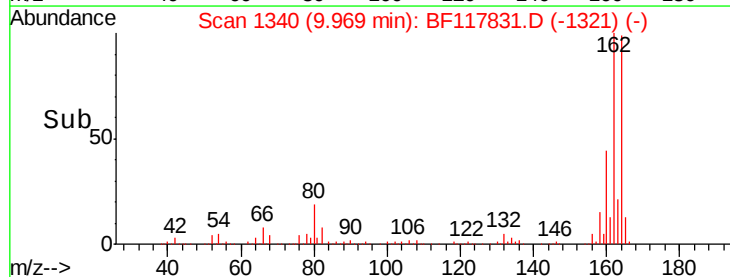
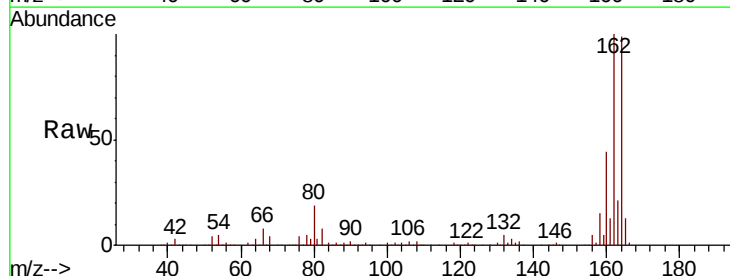
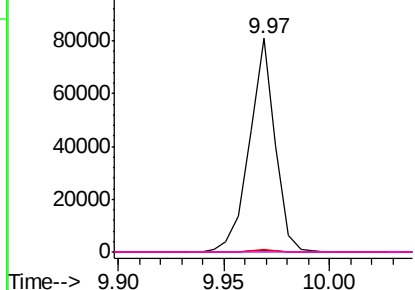
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

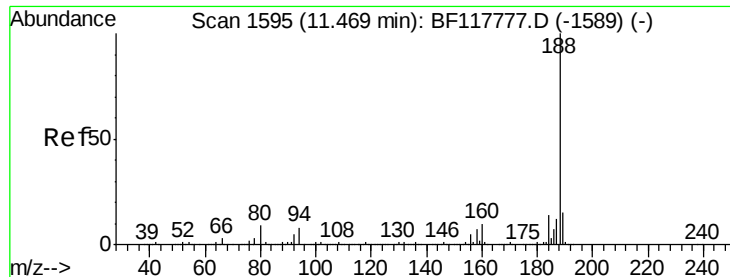


#57
 2,4-Dinitrotoluene
 Concen: 6.564 ng
 RT: 9.97 min Scan# 1340
 Delta R.T. -0.19 min
 Lab File: BF117831.D
 Acq: 18 Nov 2019 13:21

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	33.7	50.5#
89	1.3	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

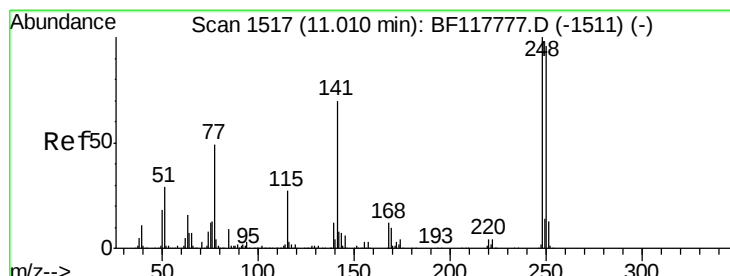
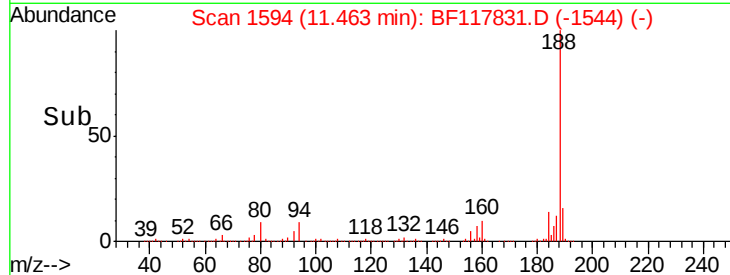
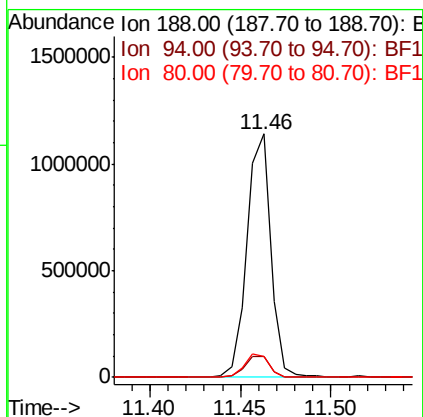
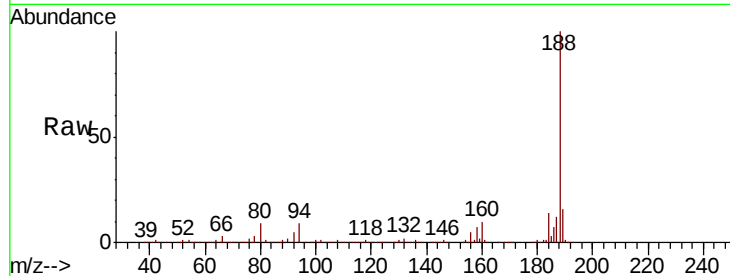




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF117831.D
Acq: 18 Nov 2019 13:21

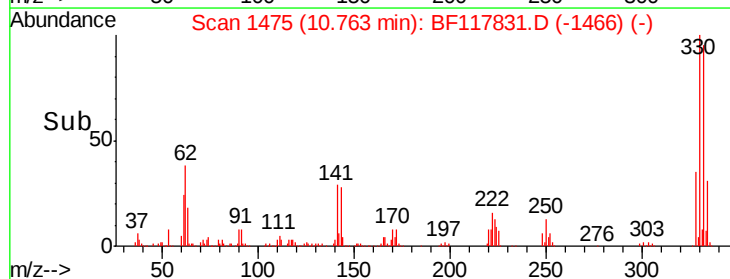
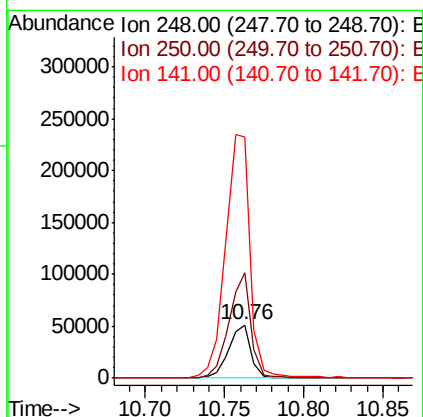
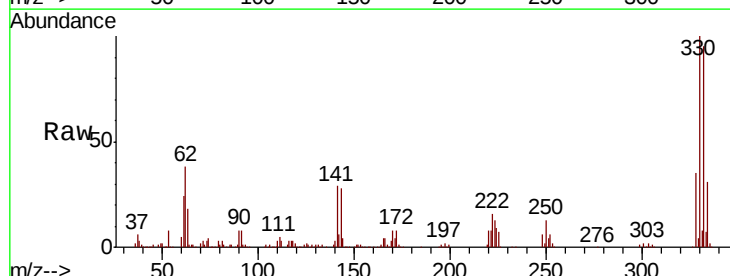
Instrument :
BNA_F
ClientSampleId :

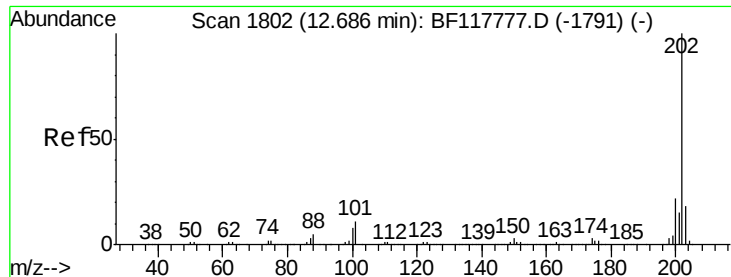
Tot Ion:188 Resp: 1047415
Ion Ratio Lower Upper
188 100
94 8.7 6.6 10.0
80 8.8 7.2 10.8



#67
4-Bromophenyl-phenylether
Concen: 4.385 ng
RT: 10.76 min Scan# 1475
Delta R.T. -0.25 min
Lab File: BF117831.D
Acq: 18 Nov 2019 13:21

Tgt Ion:248 Resp: 49561
Ion Ratio Lower Upper
248 100
250 199.2 76.6 115.0#
141 456.4 55.9 83.9#

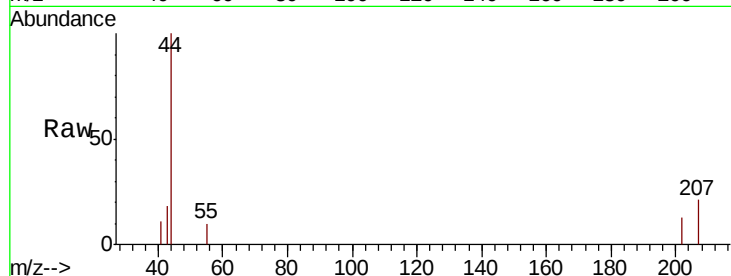




#75
Fluoranthene
Concen: Below Cal
RT: 12.68 min Scan# 1801
Delta R.T. -0.01 min
Lab File: BF117831.D
Acq: 18 Nov 2019 13:21

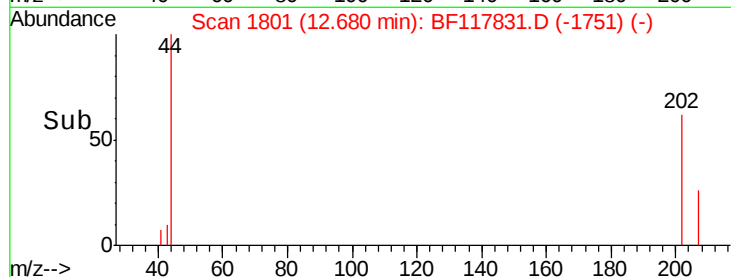
Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	31.1
203	0.0	0.0	38.2

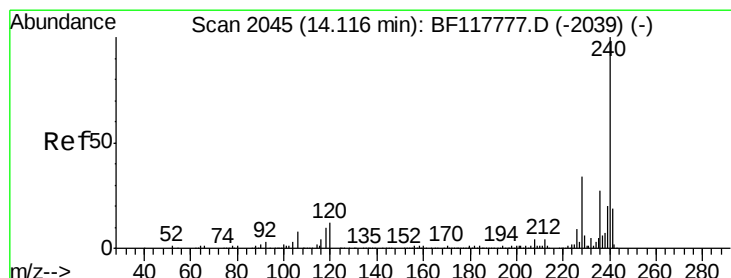


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

12.68

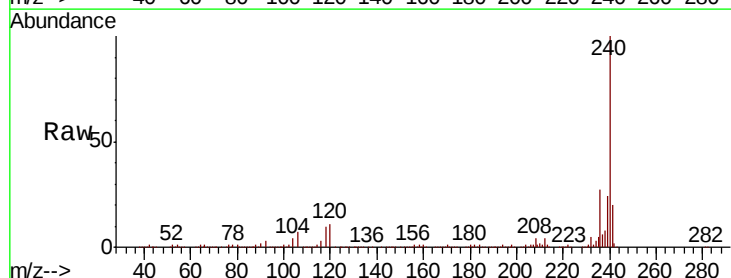


Time-->



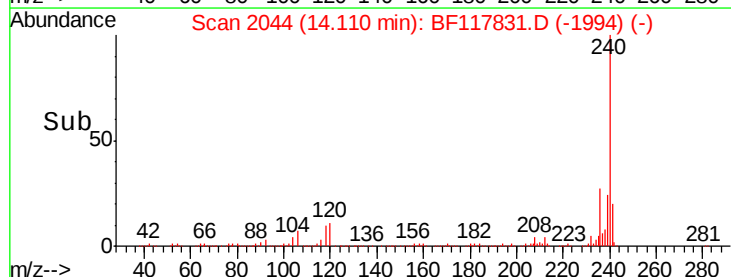
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.11 min Scan# 2044
Delta R.T. -0.01 min
Lab File: BF117831.D
Acq: 18 Nov 2019 13:21

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.7	9.5	14.3
236	27.0	21.3	31.9

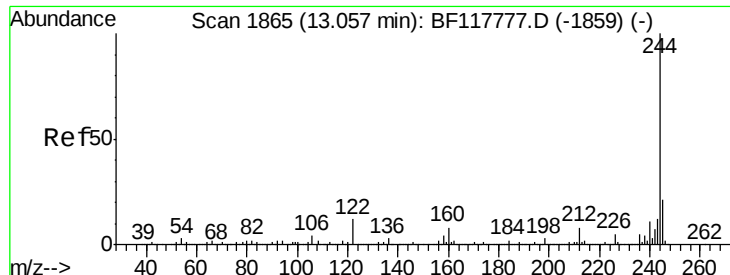


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

14.11



Time-->



#79

Terphenyl-d14

Concen: 74.059 ng

RT: 13.06 min Scan# 1865

Delta R.T. -0.00 min

Lab File: BF117831.D

Acq: 18 Nov 2019 13:21

Instrument :

BNA_F

ClientSampleId :

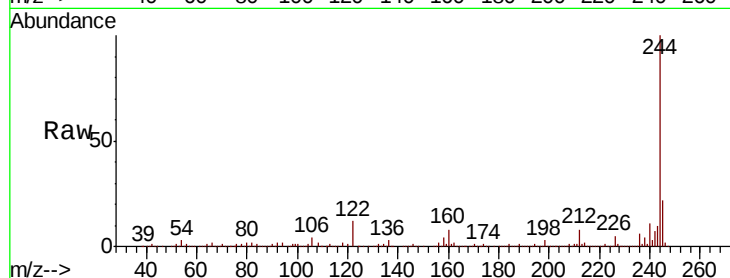
Tot Ion:244 Resp: 3292608

Ion Ratio Lower Upper

244 100

212 7.9 6.3 9.5

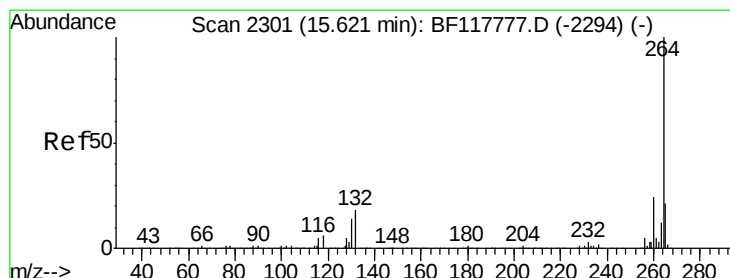
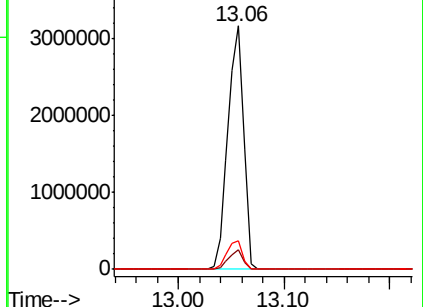
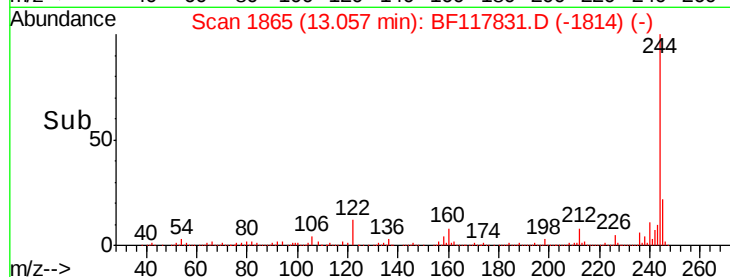
122 11.8 9.4 14.2



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: BF117831.D

Acq: 18 Nov 2019 13:21

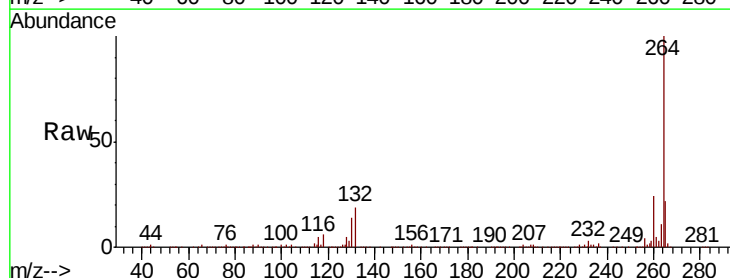
Tgt Ion:264 Resp: 799750

Ion Ratio Lower Upper

264 100

260 23.7 19.4 29.0

265 21.7 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

