

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111819\
 Data File : BF117832.D
 Acq On : 18 Nov 2019 13:48
 Operator : JU
 Sample : PB124875BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 18 15:17:36 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

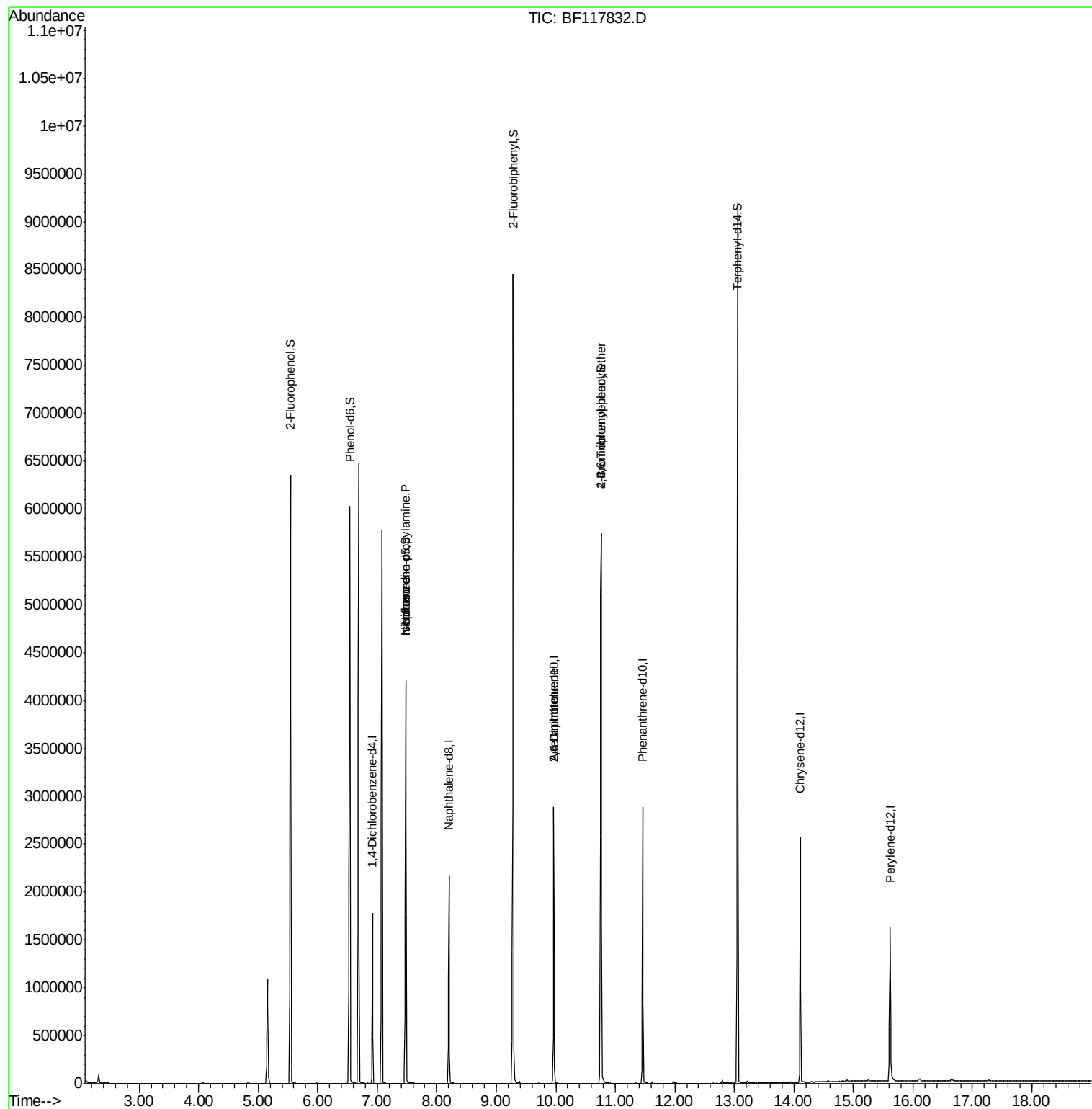
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	272373	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	1046659	20.00	ng	-0.01
39) Acenaphthene-d10	9.97	164	557252	20.00	ng	0.00
64) Phenanthrene-d10	11.46	188	1089785	20.00	ng	0.00
76) Chrysene-d12	14.11	240	827099	20.00	ng	0.00
87) Perylene-d12	15.62	264	793783	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	1943237	126.29	ng	0.01
7) Phenol-d6	6.55	99	2420369	130.41	ng	0.00
23) Nitrobenzene-d5	7.48	82	1523186	86.51	ng	-0.01
42) 2,4,6-Tribromophenol	10.76	330	792677	134.36	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	2833130	91.21	ng	0.00
79) Terphenyl-d14	13.06	244	3324999	73.47	ng	0.00
Target Compounds						
9) Benzaldehyde	6.55	77	3776	Below Cal	Qvalue #	1
19) n-Nitroso-di-n-propylamine	7.48	70	210191	18.358 ng	#	76
25) Isophorone	7.48	82	1514408	46.928 ng	#	62
51) 2,6-Dinitrotoluene	9.97	165	71227	8.340 ng	#	23
57) 2,4-Dinitrotoluene	9.97	165	71227	6.556 ng	#	24
67) 4-Bromophenyl-phenylether	10.76	248	51059	4.342 ng	#	1
75) Fluoranthene	12.91	202	141	Below Cal		63

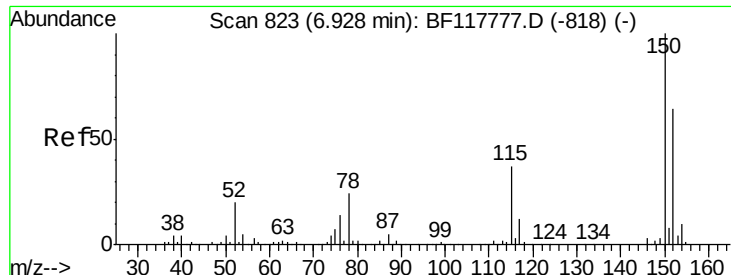
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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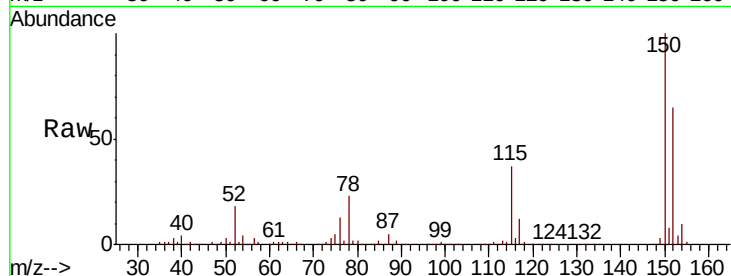


#1

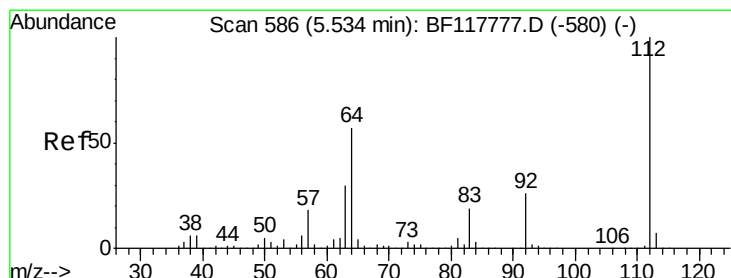
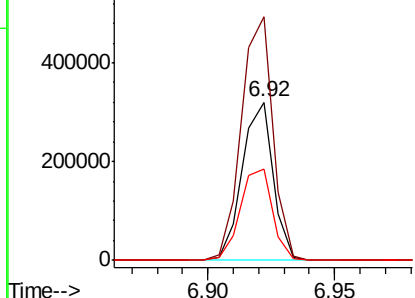
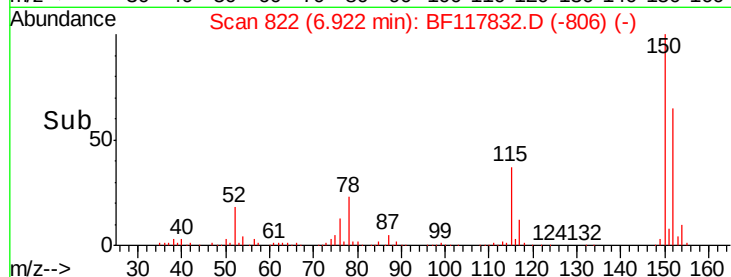
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 822
Delta R.T. -0.01 min
Lab File: BF117832.D
Acq: 18 Nov 2019 13:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 272373
Ion Ratio Lower Upper
152 100
150 153.7 125.3 187.9
115 57.3 47.0 70.4



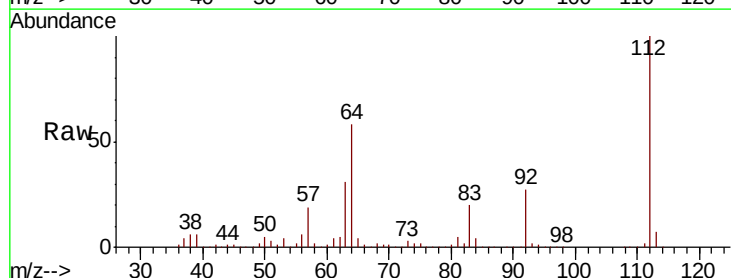
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



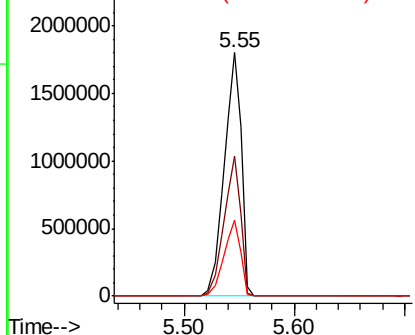
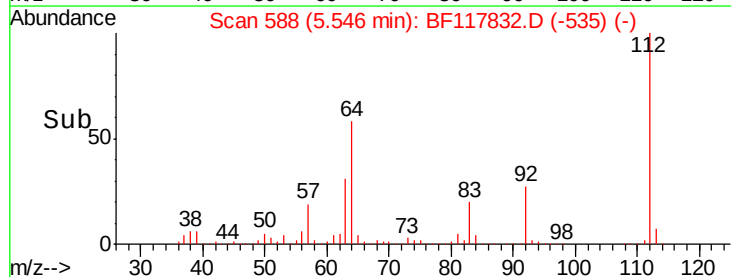
#5

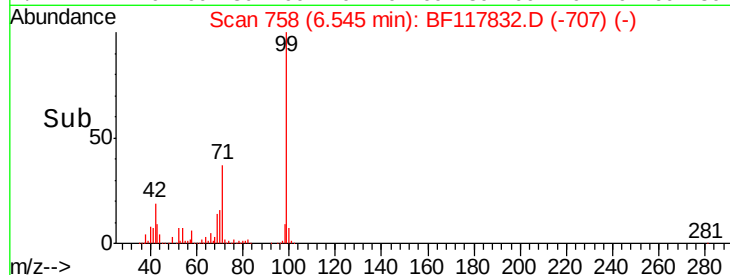
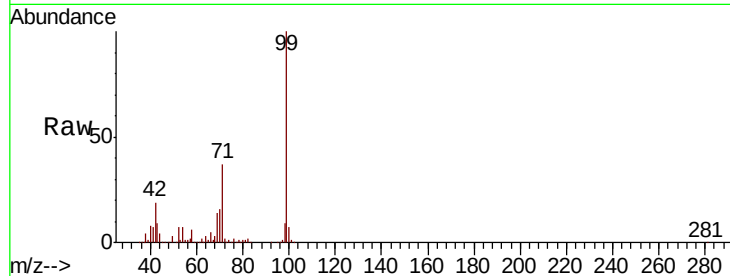
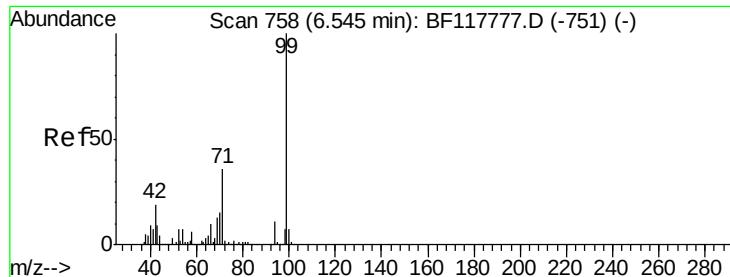
2-Fluorophenol
Concen: 126.288 ng
RT: 5.55 min Scan# 588
Delta R.T. 0.01 min
Lab File: BF117832.D
Acq: 18 Nov 2019 13:48

Tgt Ion:112 Resp: 1943237
Ion Ratio Lower Upper
112 100
64 57.7 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: 130.410 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.00 min

Lab File: BF117832.D

Acq: 18 Nov 2019 13:48

Instrument :

BNA_F

ClientSampled :

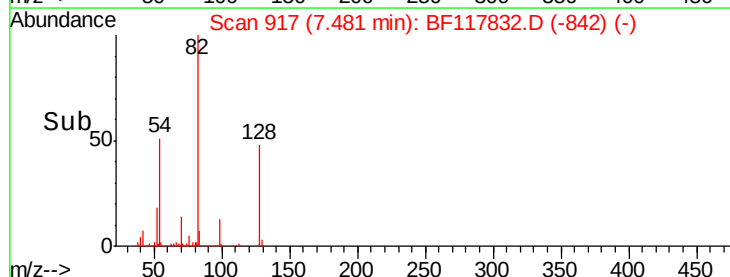
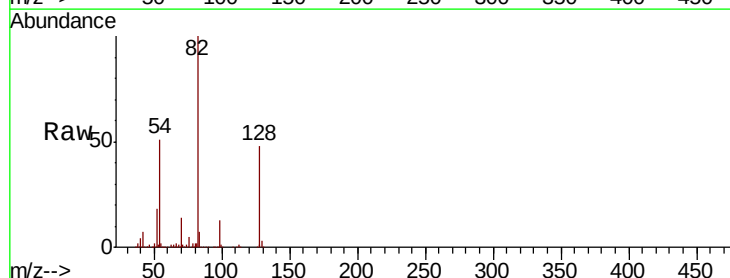
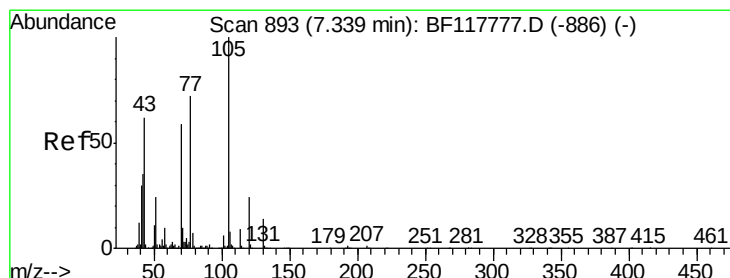
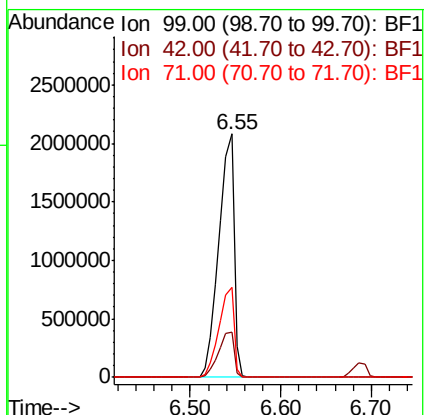
Tot Ion: 99 Resp: 2420369

Ion Ratio Lower Upper

99 100

42 18.7 14.9 22.3

71 37.0 28.6 43.0



#19

n-Nitroso-di-n-propylamine

Concen: 18.358 ng

RT: 7.48 min Scan# 917

Delta R.T. 0.14 min

Lab File: BF117832.D

Acq: 18 Nov 2019 13:48

Tgt Ion: 70 Resp: 210191

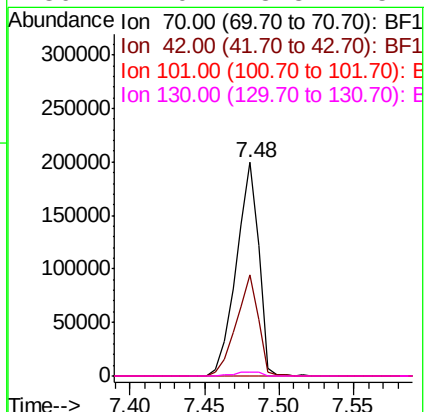
Ion Ratio Lower Upper

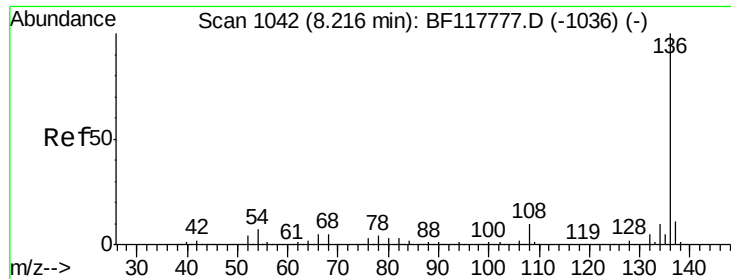
70 100

42 47.4 47.4 71.2#

101 0.0 8.4 12.6#

130 2.0 18.8 28.2#

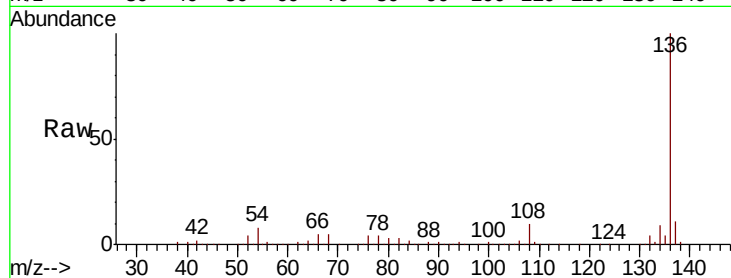




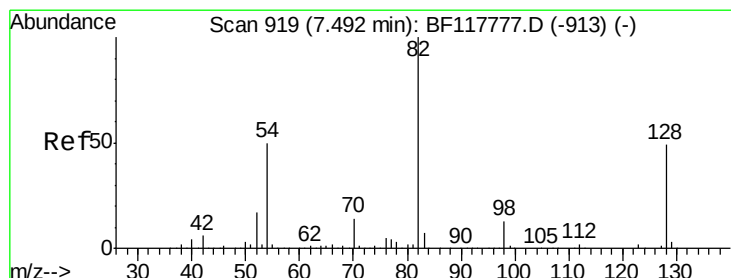
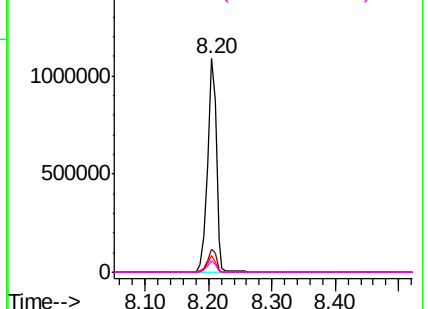
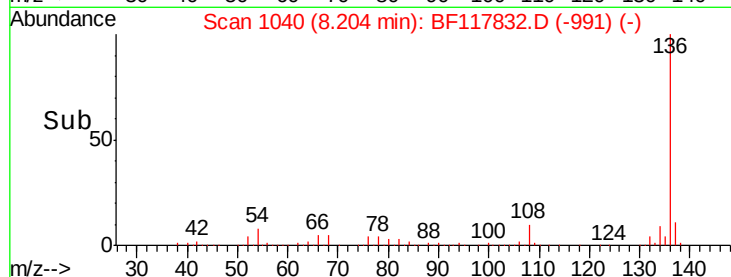
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF117832.D
Acq: 18 Nov 2019 13:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136 Resp: 1046659
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 7.7 5.4 8.2
68 5.5 4.3 6.5

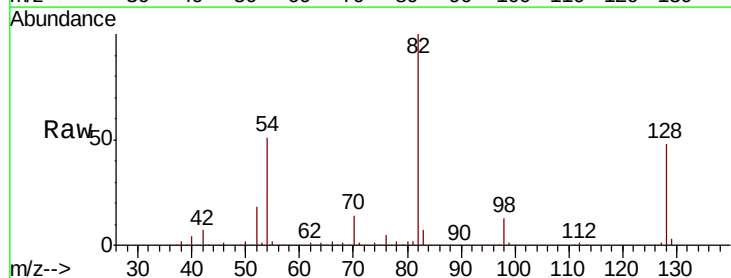


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

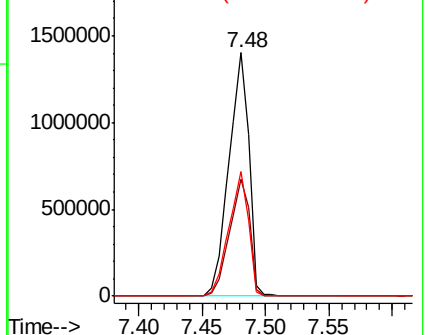
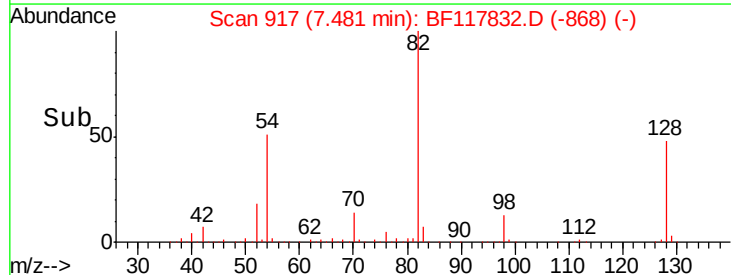


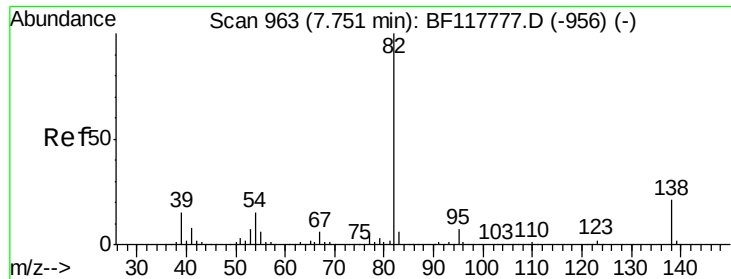
#23
Nitrobenzene-d5
Concen: 86.511 ng
RT: 7.48 min Scan# 917
Delta R.T. -0.01 min
Lab File: BF117832.D
Acq: 18 Nov 2019 13:48

Tgt Ion: 82 Resp: 1523186
Ion Ratio Lower Upper
82 100
128 48.1 38.9 58.3
54 50.9 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: 46.928 ng

RT: 7.48 min Scan# 917

Delta R.T. -0.27 min

Lab File: BF117832.D

Acq: 18 Nov 2019 13:48

Instrument :

BNA_F

ClientSampleId :

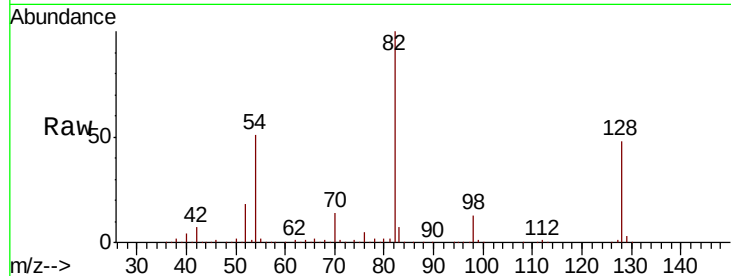
Tot Ion: 82 Resp: 1514408

Ion Ratio Lower Upper

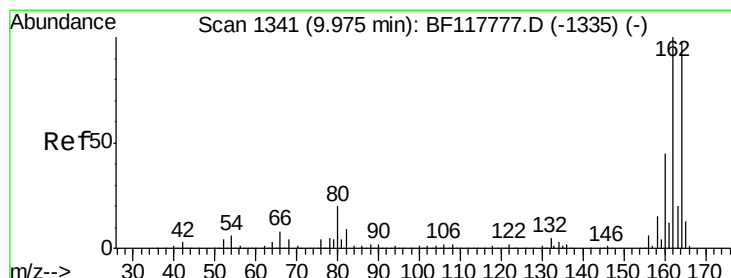
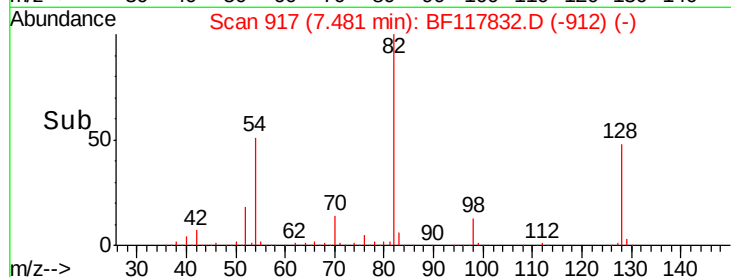
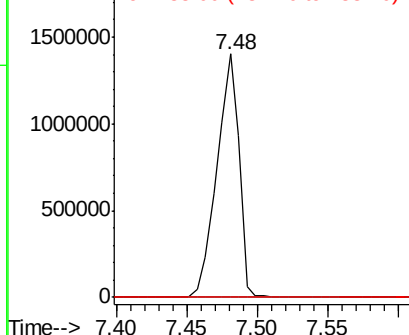
82 100

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: BF117832.D

Acq: 18 Nov 2019 13:48

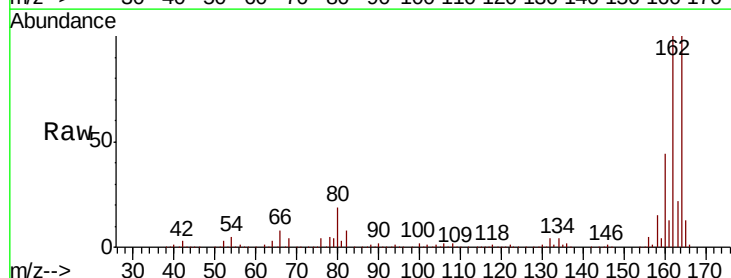
Tgt Ion: 164 Resp: 557252

Ion Ratio Lower Upper

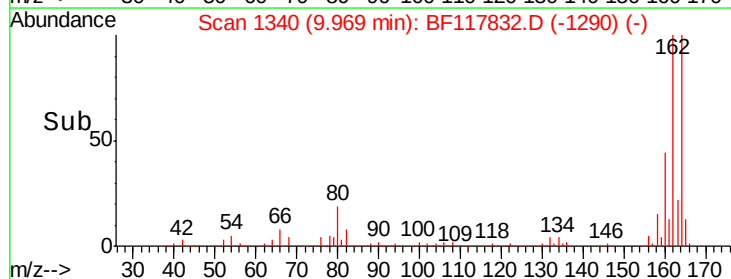
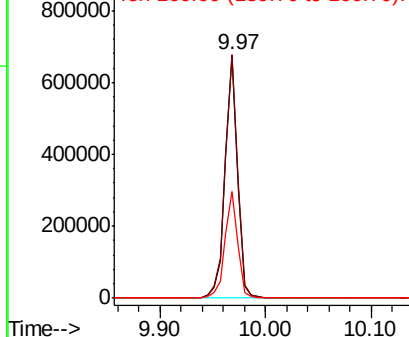
164 100

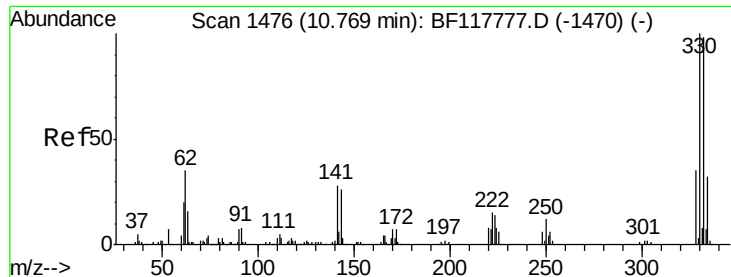
162 100.4 81.3 121.9

160 44.1 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: 134.362 ng

RT: 10.76 min Scan# 1475

Delta R.T. -0.01 min

Lab File: BF117832.D

Acq: 18 Nov 2019 13:48

Instrument :

BNA_F

ClientSampleId :

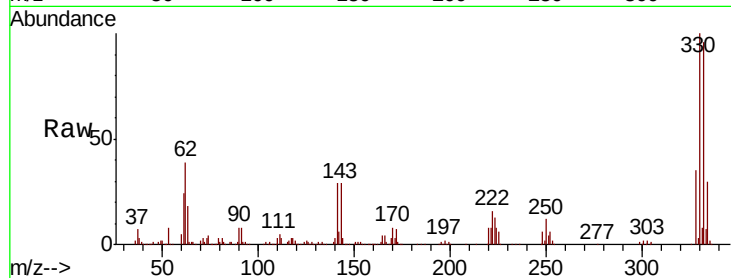
Tot Ion:330 Resp: 792677

Ion Ratio Lower Upper

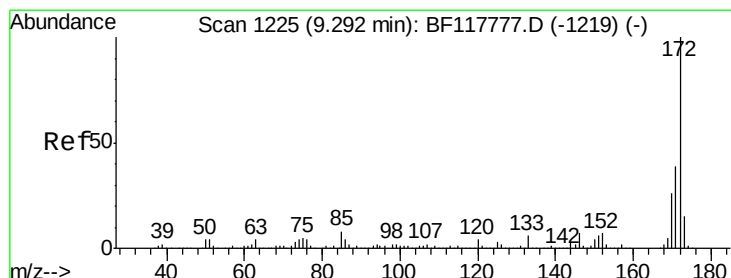
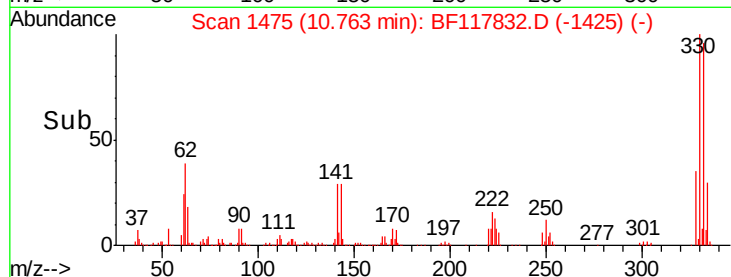
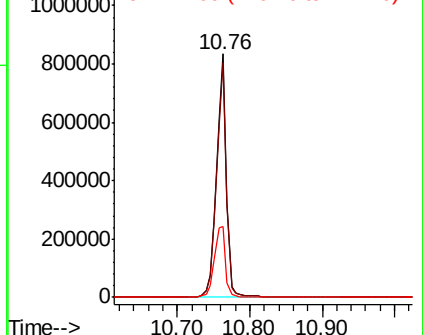
330 100

332 96.5 76.7 115.1

141 32.9 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: 91.211 ng

RT: 9.29 min Scan# 1224

Delta R.T. -0.01 min

Lab File: BF117832.D

Acq: 18 Nov 2019 13:48

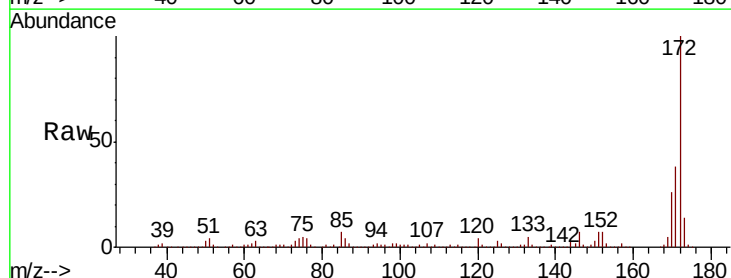
Tgt Ion:172 Resp: 2833130

Ion Ratio Lower Upper

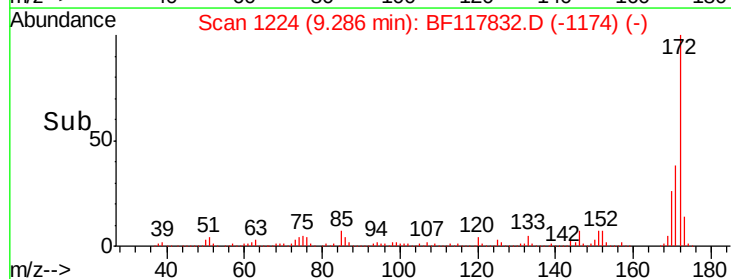
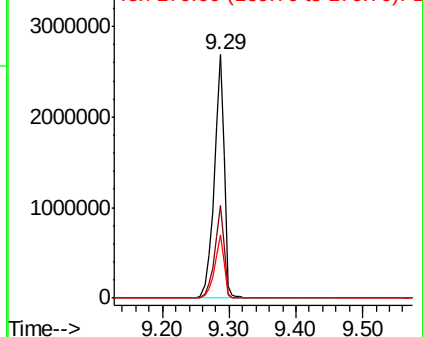
172 100

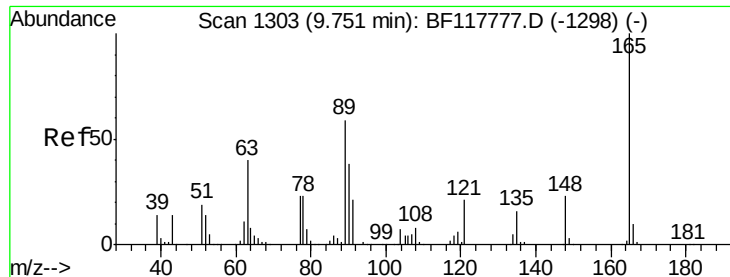
171 38.3 30.9 46.3

170 26.2 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: 8.340 ng

RT: 9.97 min Scan# 1340

Delta R.T. 0.22 min

Lab File: BF117832.D

Acq: 18 Nov 2019 13:48

Instrument :
BNA_F
ClientSampled :

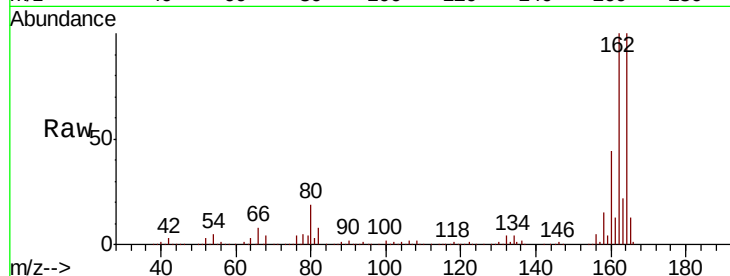
Tot Ion:165 Resp: 71227

Ion Ratio Lower Upper

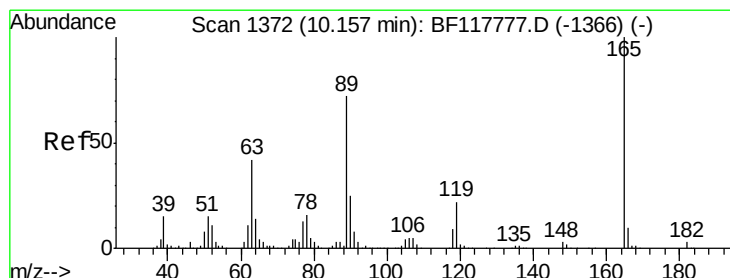
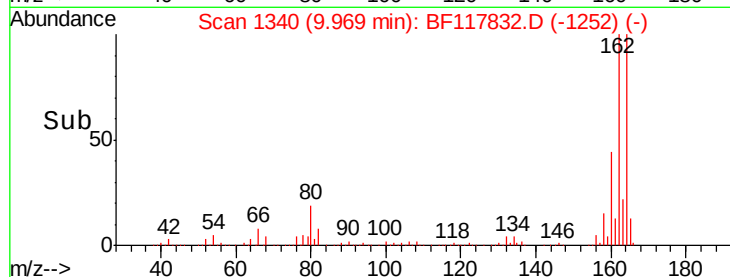
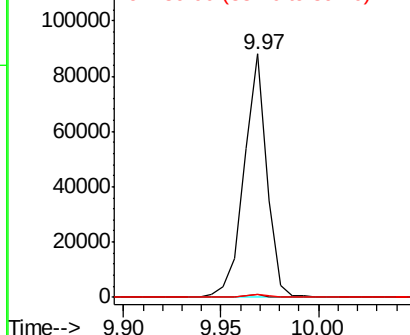
165 100

63 1.2 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: 6.556 ng

RT: 9.97 min Scan# 1340

Delta R.T. -0.19 min

Lab File: BF117832.D

Acq: 18 Nov 2019 13:48

Tgt Ion:165 Resp: 71227

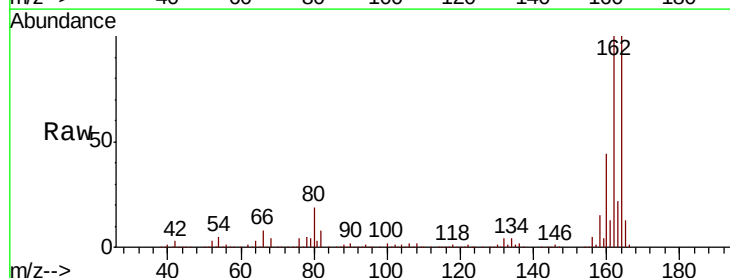
Ion Ratio Lower Upper

165 100

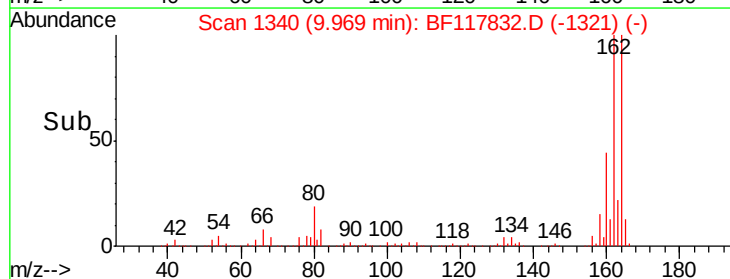
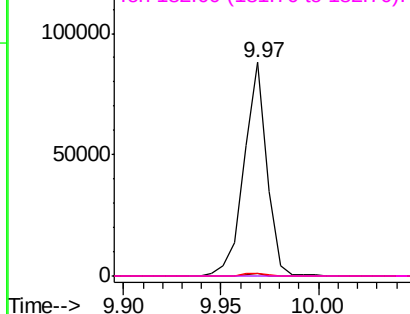
63 1.2 33.7 50.5#

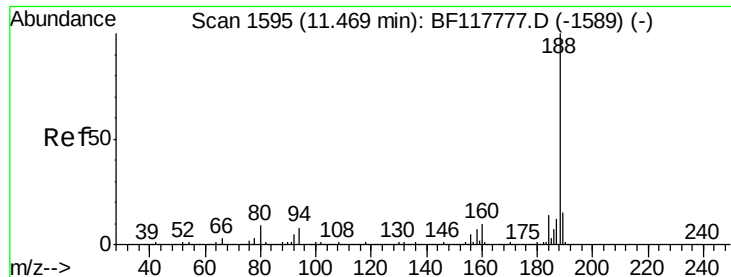
89 1.3 57.3 85.9#

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

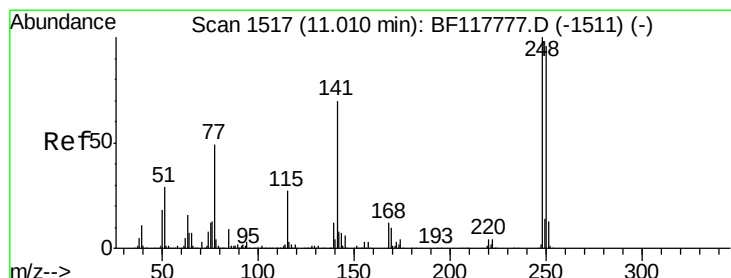
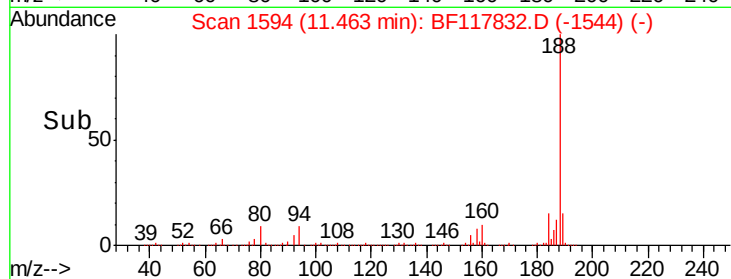
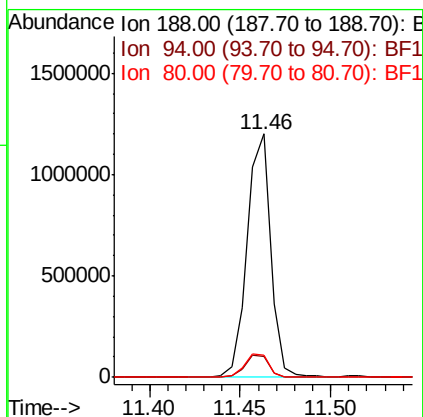
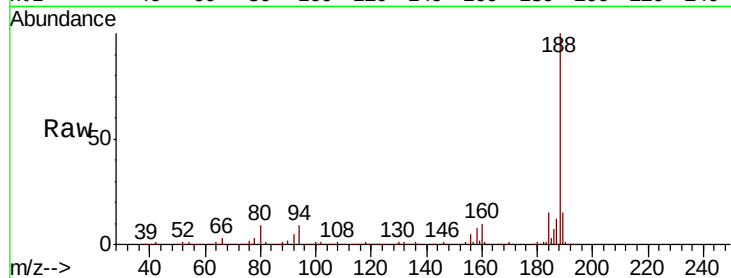




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.46 min Scan# 1594
 Delta R.T. -0.01 min
 Lab File: BF117832.D
 Acq: 18 Nov 2019 13:48

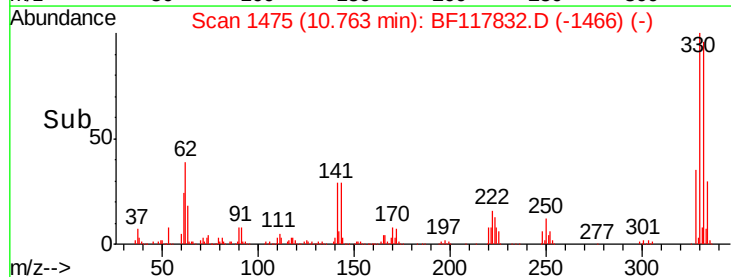
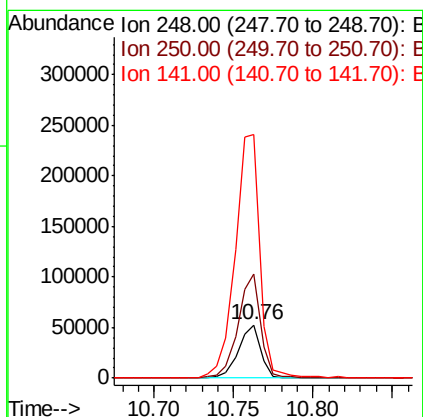
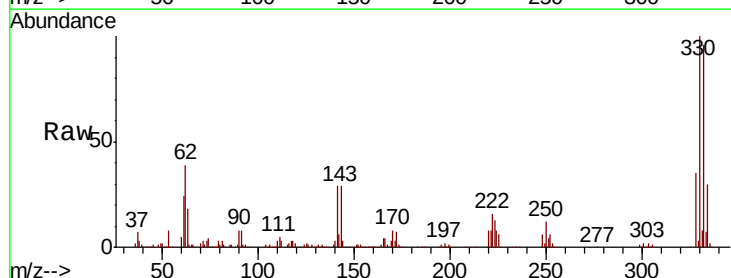
Instrument :
 BNA_F
 ClientSampleId :

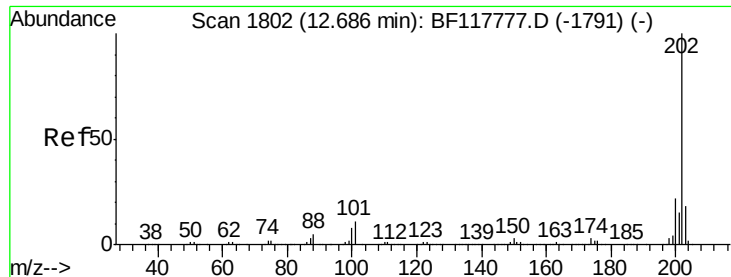
Tot Ion:188 Resp: 1089785
 Ion Ratio Lower Upper
 188 100
 94 8.6 6.6 10.0
 80 8.9 7.2 10.8



#67
 4-Bromophenyl-phenylether
 Concen: 4.342 ng
 RT: 10.76 min Scan# 1475
 Delta R.T. -0.25 min
 Lab File: BF117832.D
 Acq: 18 Nov 2019 13:48

Tgt Ion:248 Resp: 51059
 Ion Ratio Lower Upper
 248 100
 250 196.7 76.6 115.0#
 141 458.8 55.9 83.9#

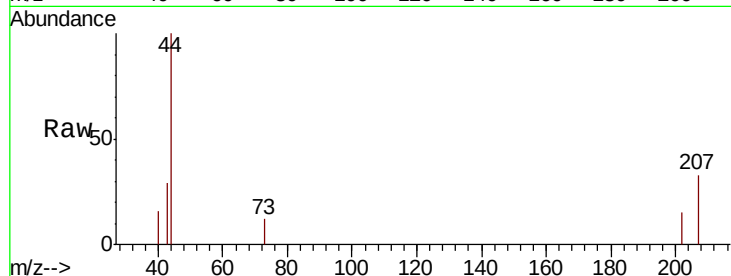




#75
Fluoranthene
Concen: Below Cal
RT: 12.91 min Scan# 1840
Delta R.T. 0.22 min
Lab File: BF117832.D
Acq: 18 Nov 2019 13:48

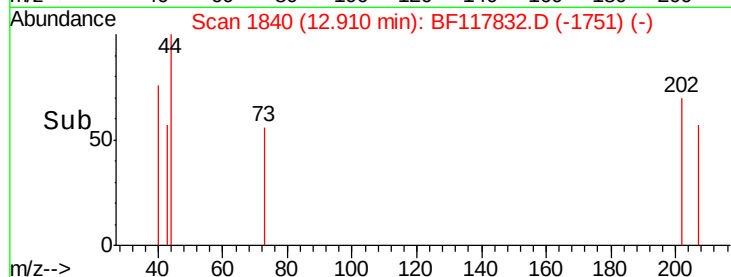
Instrument :
BNA_F
ClientSampled :

Tot Ion:202 Resp: 141
Ion Ratio Lower Upper
202 100
101 0.0 0.0 31.1
203 0.0 0.0 38.2

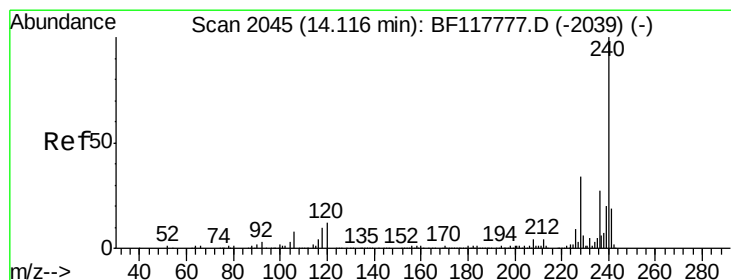


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

12.91

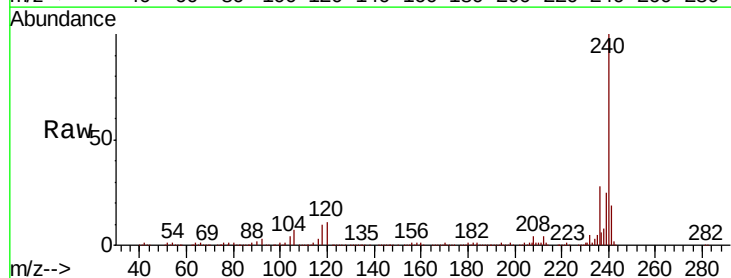


Time-->



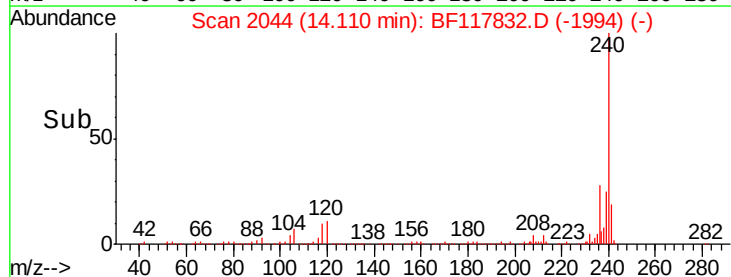
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.11 min Scan# 2044
Delta R.T. -0.01 min
Lab File: BF117832.D
Acq: 18 Nov 2019 13:48

Tgt Ion:240 Resp: 827099
Ion Ratio Lower Upper
240 100
120 10.8 9.5 14.3
236 27.6 21.3 31.9

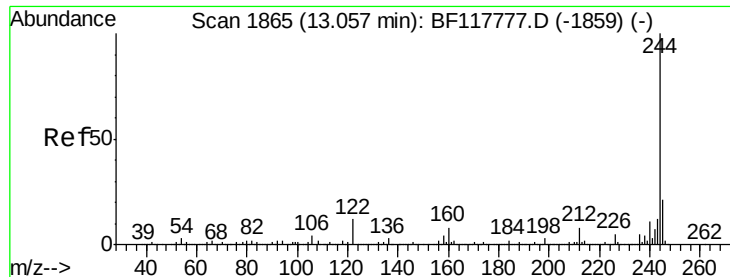


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

14.11



Time-->



#79

Terphenyl-d14

Concen: 73.471 ng

RT: 13.06 min Scan# 1865

Delta R.T. 0.00 min

Lab File: BF117832.D

Acq: 18 Nov 2019 13:48

Instrument :

BNA_F

ClientSampleId :

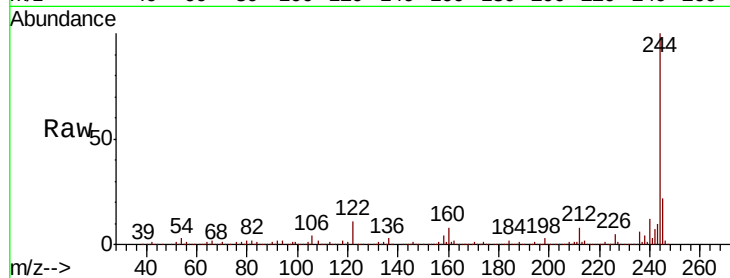
Tot Ion:244 Resp: 3324999

Ion Ratio Lower Upper

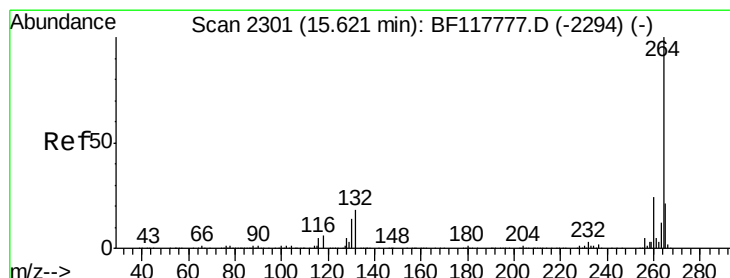
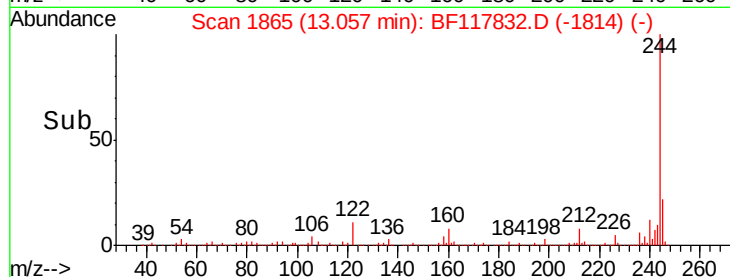
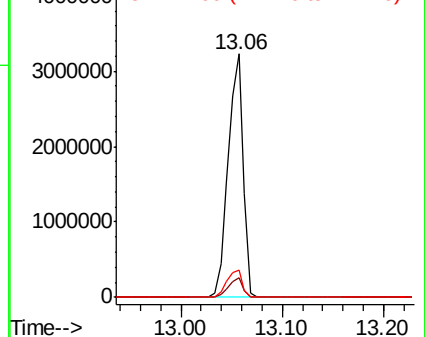
244 100

212 7.9 6.3 9.5

122 11.4 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: BF117832.D

Acq: 18 Nov 2019 13:48

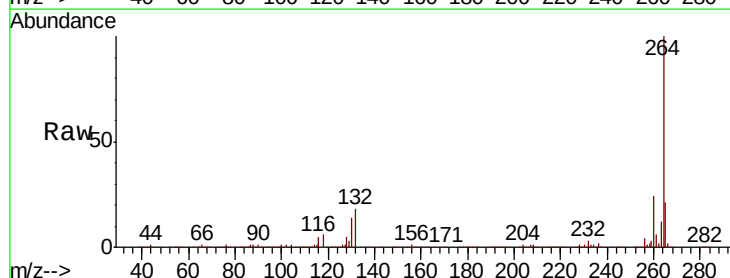
Tgt Ion:264 Resp: 793783

Ion Ratio Lower Upper

264 100

260 24.1 19.4 29.0

265 21.2 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

