

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091719\
 Data File : BF117115.D
 Acq On : 17 Sep 2019 19:04
 Operator : HP/JU
 Sample : K4873-09
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-30

Quant Time: Sep 18 03:52:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

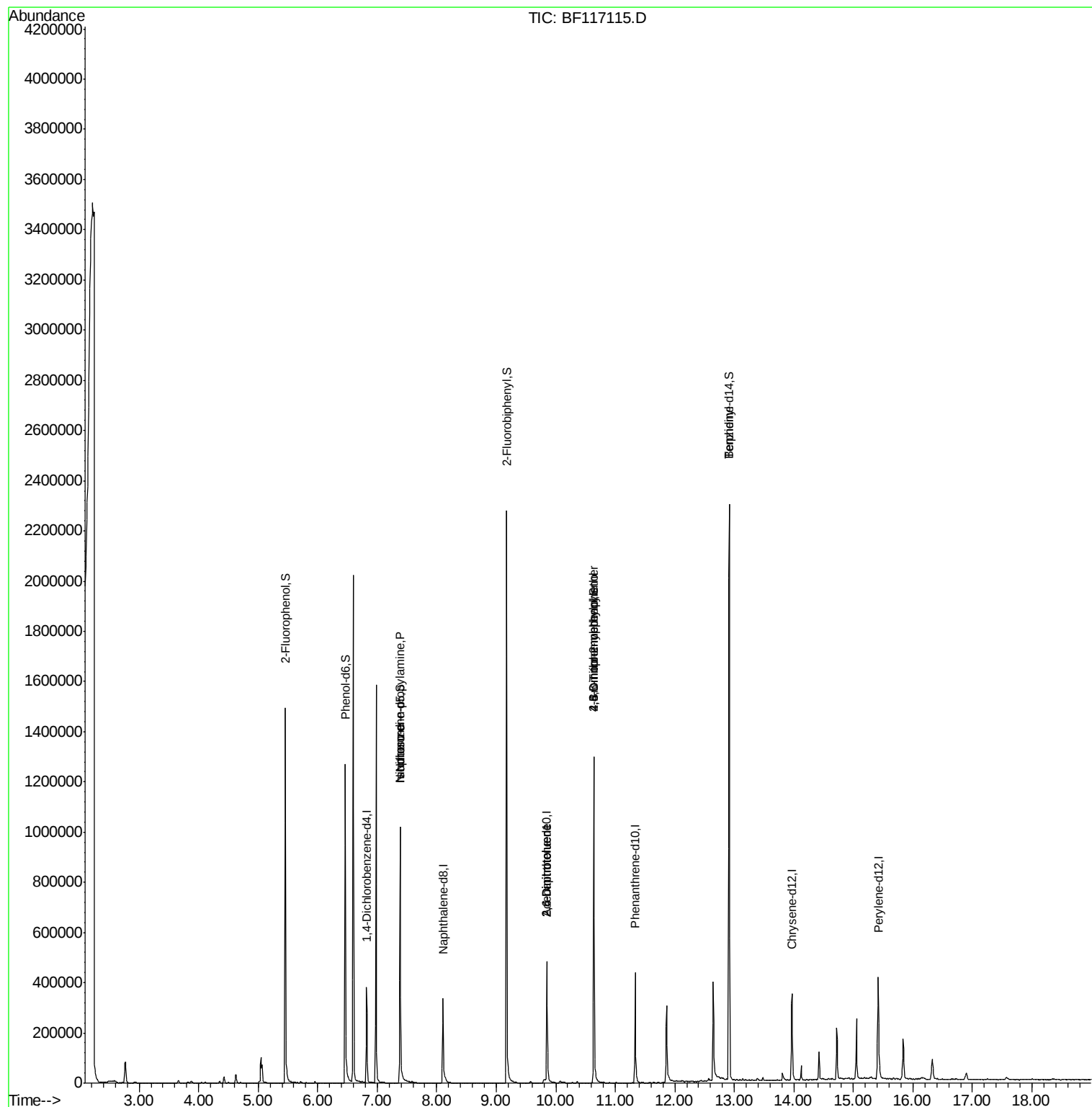
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	57401	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	218804	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	115055	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	190192	20.00	ng	0.00
76) Chrysene-d12	13.97	240	140319	20.00	ng	0.00
87) Perylene-d12	15.42	264	128648	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	440814	119.90	ng	0.02
7) Phenol-d6	6.46	99	512228	107.80	ng	0.00
23) Nitrobenzene-d5	7.39	82	433442	104.08	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	155388	161.59	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	721563	98.06	ng	0.00
79) Terphenyl-d14	12.92	244	752877	100.29	ng	0.00
Target Compounds						
9) Benzaldehyde	6.46	77	634	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	56431	19.504	ng	# 1
25) Isophorone	7.39	82	433439	58.785	ng	# 80
51) 2,6-Dinitrotoluene	9.85	165	14465	8.718	ng	# 66
57) 2,4-Dinitrotoluene	9.85	165	14465	6.716	ng	# 25
65) 4,6-Dinitro-2-methylphenol	10.64	198	313	7.211	ng	# 19
67) 4-Bromophenyl-phenylether	10.64	248	9598	4.942	ng	# 1
77) Benzidine	12.92	184	11061	2.447	ng	# 92

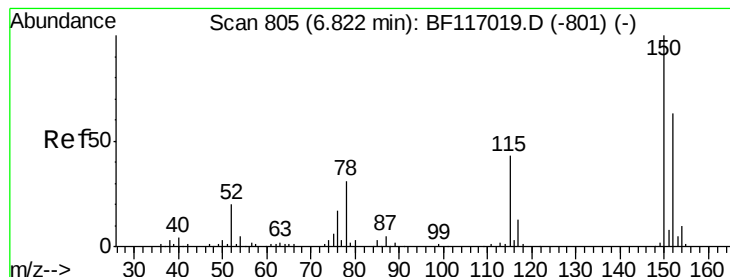
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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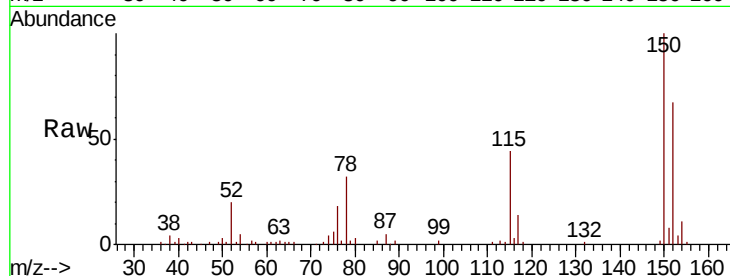


#1

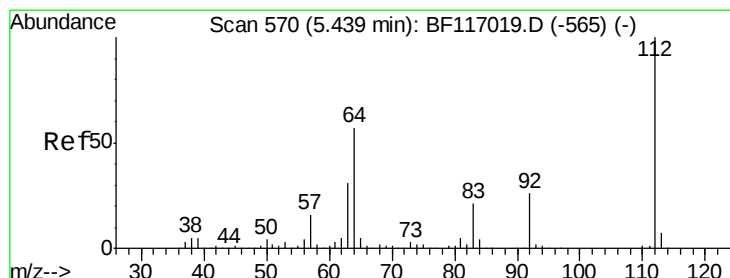
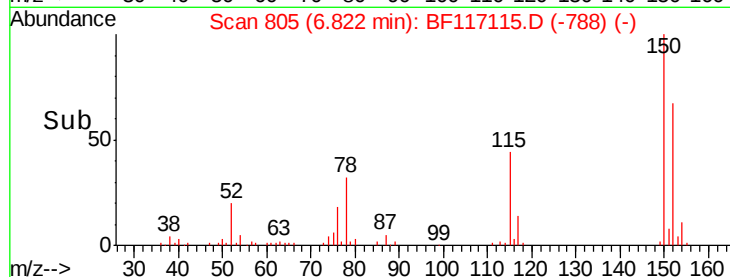
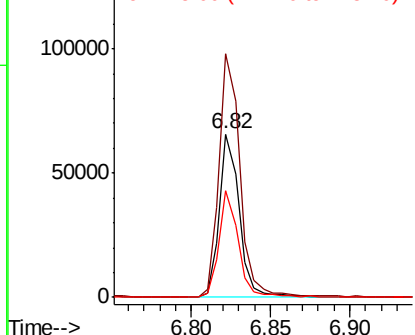
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117115.D
Acq: 17 Sep 2019 19:04

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ClientSampleId :
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Tot Ion:152 Resp: 57401
Ion Ratio Lower Upper
152 100
150 149.3 127.5 191.3
115 65.2 55.0 82.4



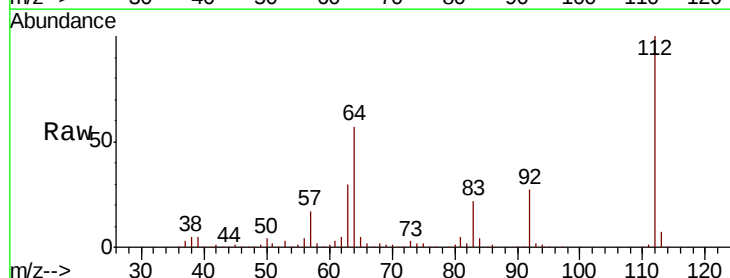
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



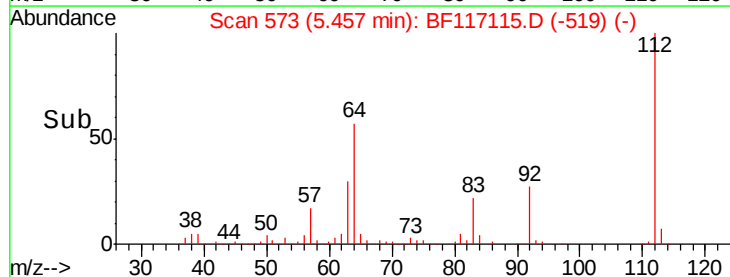
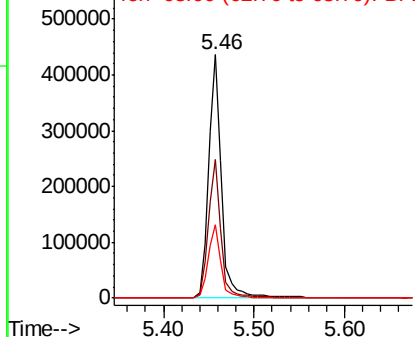
#5

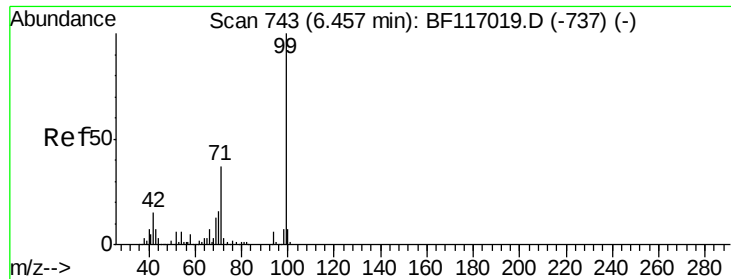
2-Fluorophenol
Concen: 119.897 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.02 min
Lab File: BF117115.D
Acq: 17 Sep 2019 19:04

Tgt Ion:112 Resp: 440814
Ion Ratio Lower Upper
112 100
64 57.0 45.7 68.5
63 30.3 24.9 37.3



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: 107.803 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF117115.D

Acq: 17 Sep 2019 19:04

Instrument :

BNA_F

ClientSampleId :

COMP-30

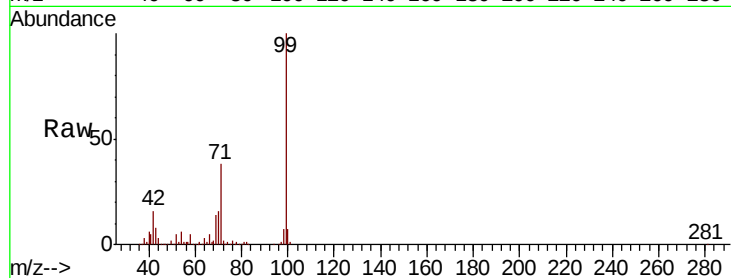
Tot Ion: 99 Resp: 512228

Ion Ratio Lower Upper

99 100

42 15.6 12.2 18.2

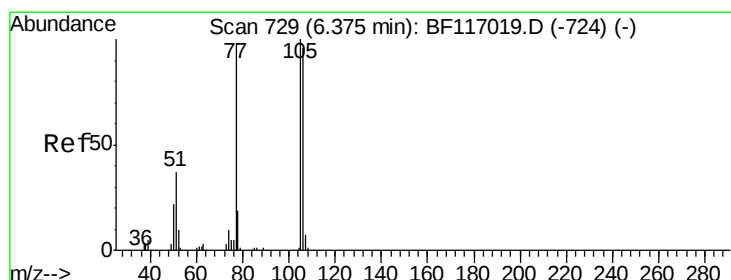
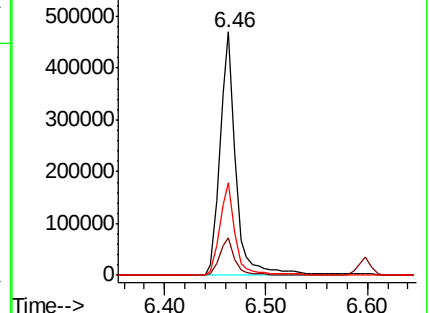
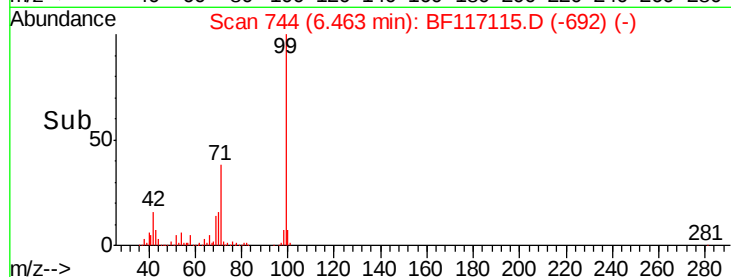
71 37.9 29.8 44.8



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



#9

Benzaldehyde

Concen: Below Cal

RT: 6.46 min Scan# 743

Delta R.T. 0.08 min

Lab File: BF117115.D

Acq: 17 Sep 2019 19:04

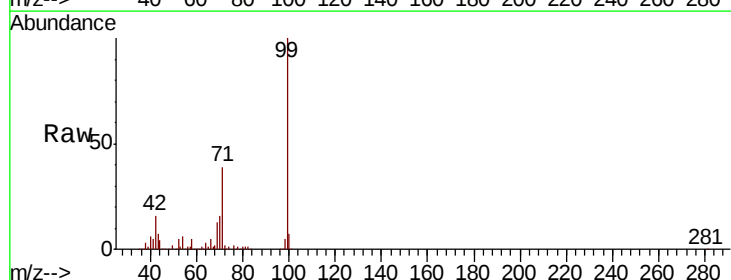
Tgt Ion: 77 Resp: 634

Ion Ratio Lower Upper

77 100

105 0.0 81.8 121.8#

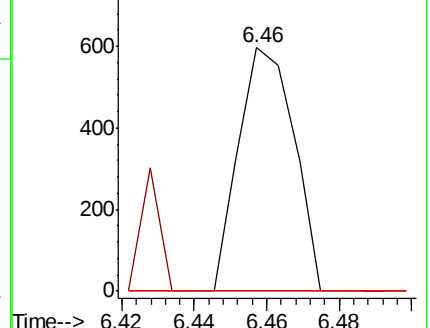
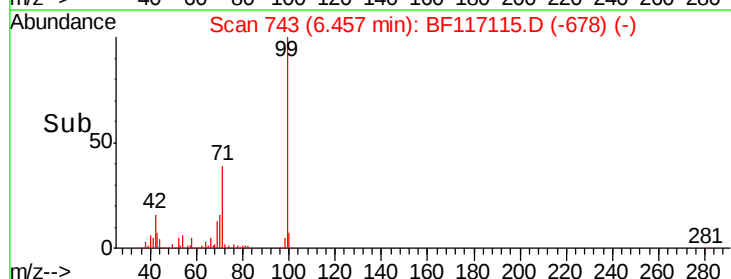
106 0.0 77.3 117.3#

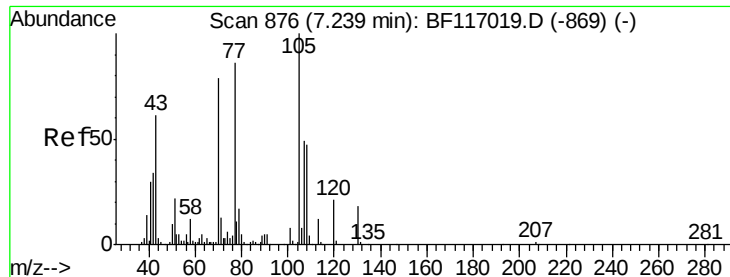


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

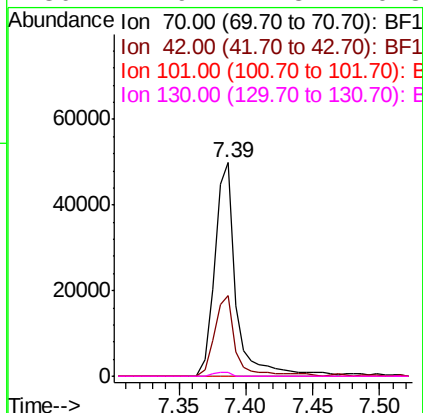
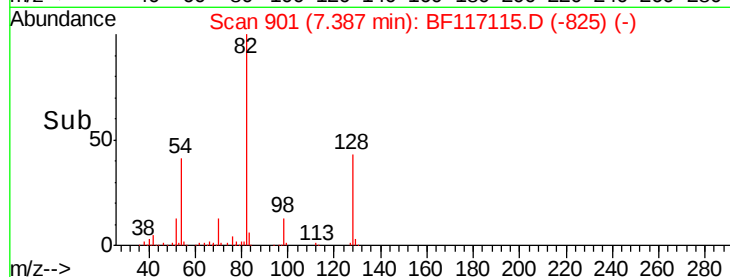
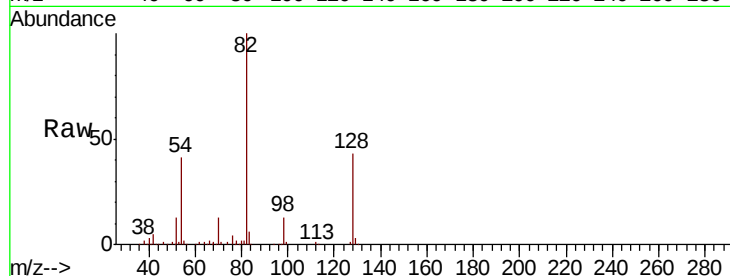




#19
n-Nitroso-di-n-propylamine
Concen: 19.504 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.15 min
Lab File: BF117115.D
Acq: 17 Sep 2019 19:04

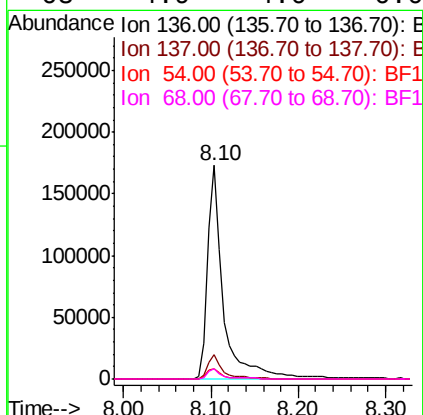
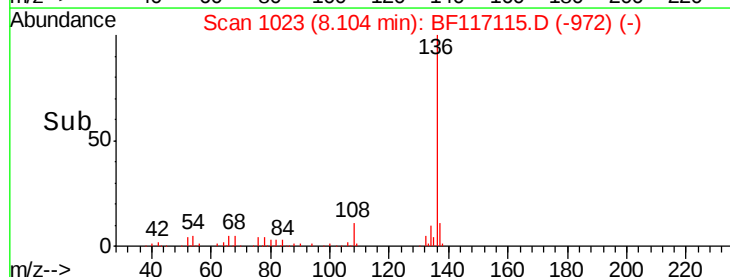
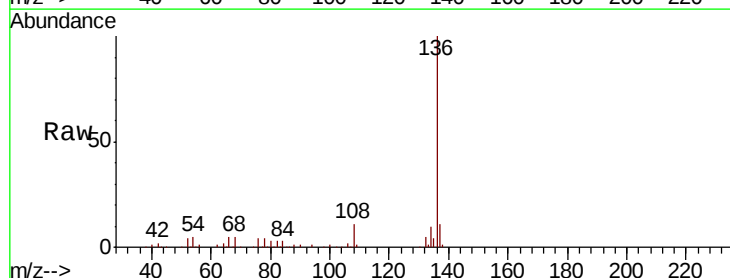
Instrument :
BNA_F
ClientSampleId :
COMP-30

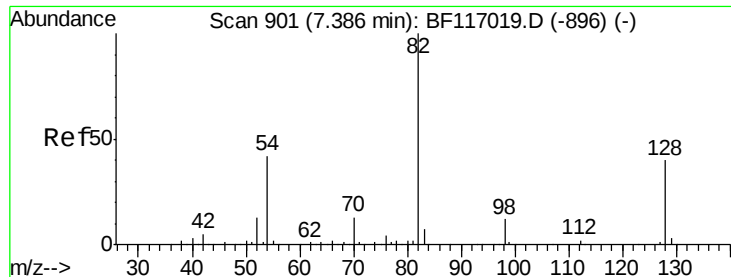
Tot Ion: 70 Resp: 56431
Ion Ratio Lower Upper
70 100
42 37.9 34.0 51.0
101 0.0 7.8 11.6#
130 1.9 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF117115.D
Acq: 17 Sep 2019 19:04

Tgt Ion: 136 Resp: 218804
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 5.1 4.5 6.7
68 4.9 4.0 6.0

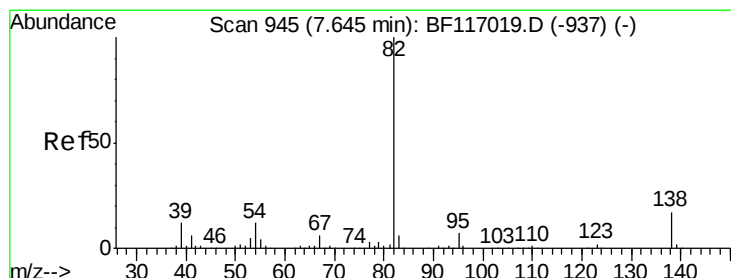
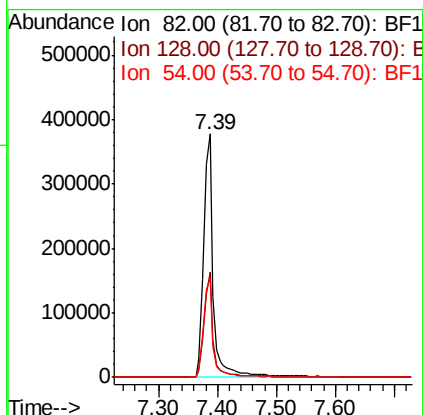
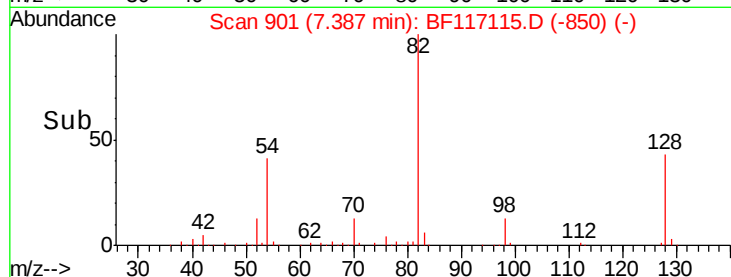
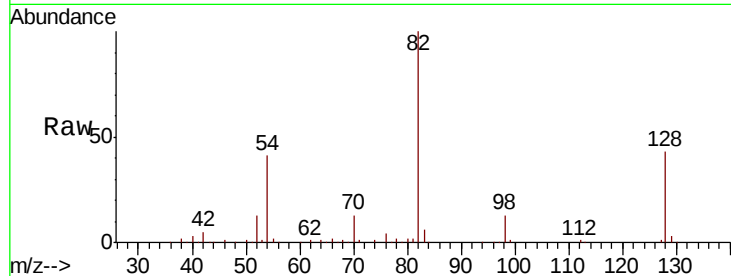




#23
Nitrobenzene-d5
Concen: 104.084 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.00 min
Lab File: BF117115.D
Acq: 17 Sep 2019 19:04

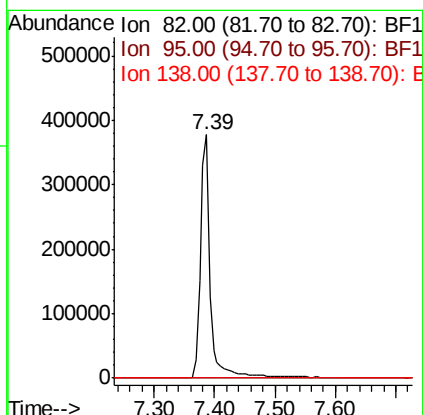
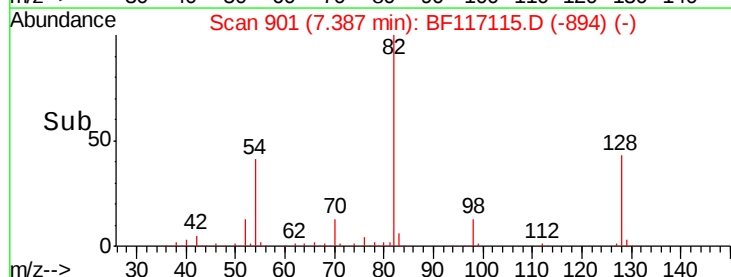
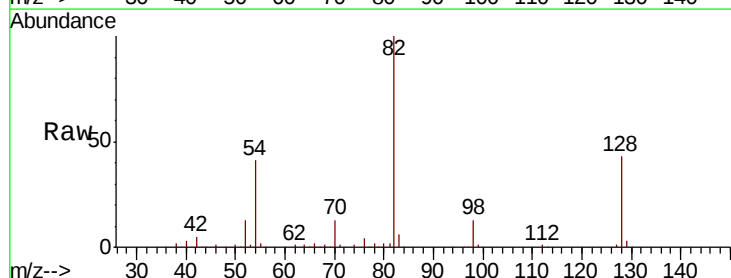
Instrument :
BNA_F
ClientSampleId :
COMP-30

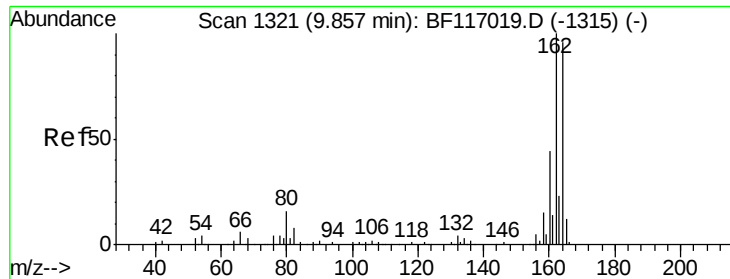
Tot Ion: 82 Resp: 433442
Ion Ratio Lower Upper
82 100
128 43.0 32.3 48.5
54 40.5 33.3 49.9



#25
Isophorone
Concen: 58.785 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.26 min
Lab File: BF117115.D
Acq: 17 Sep 2019 19:04

Tgt Ion: 82 Resp: 433439
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 13.5 20.3#

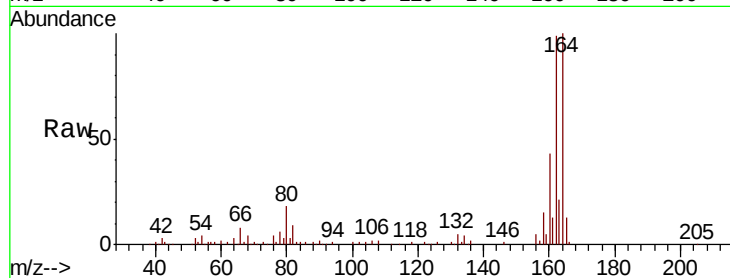




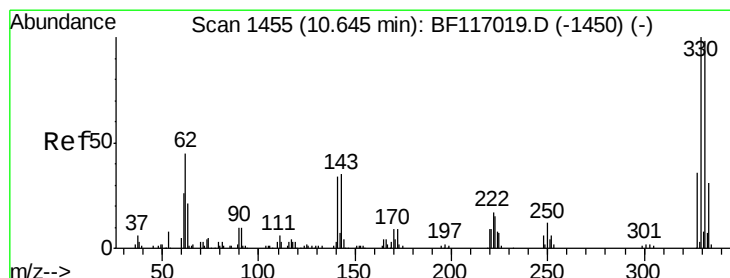
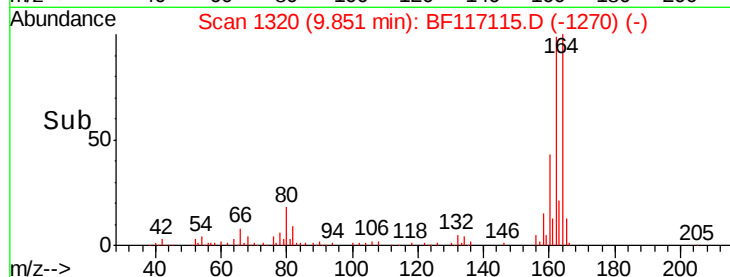
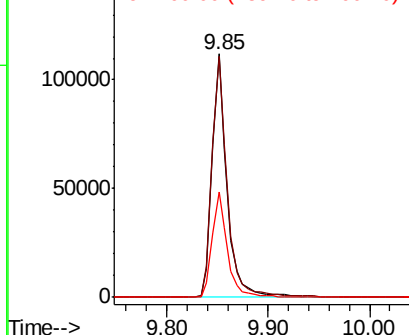
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF117115.D
Acq: 17 Sep 2019 19:04

Instrument :
BNA_F
ClientSampleId :
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Tot Ion:164 Resp: 115055
Ion Ratio Lower Upper
164 100
162 99.0 83.4 125.2
160 43.4 36.4 54.6

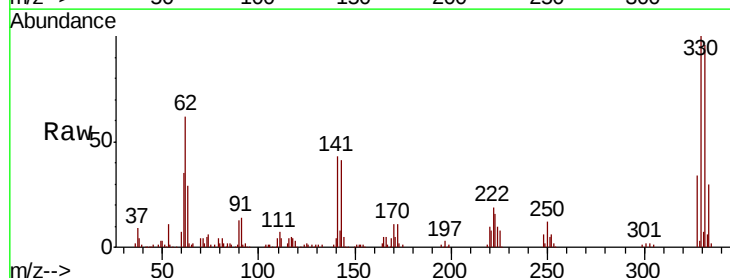


Abundance Ion 164.00 (163.70 to 164.70): E
150000 Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

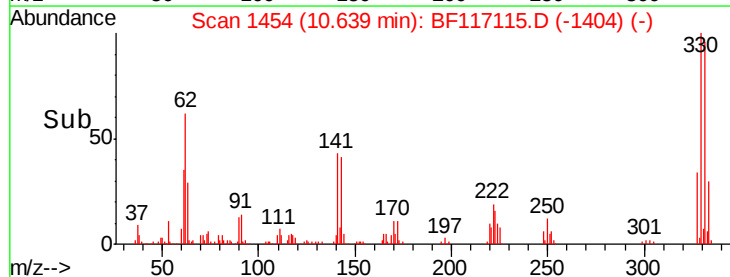
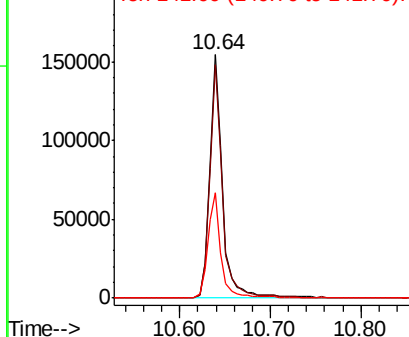


#42
2,4,6-Tribromophenol
Concen: 161.594 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF117115.D
Acq: 17 Sep 2019 19:04

Tgt Ion:330 Resp: 155388
Ion Ratio Lower Upper
330 100
332 95.0 78.0 117.0
141 43.6 35.8 53.6



Abundance Ion 329.80 (329.50 to 330.50): E
200000 Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

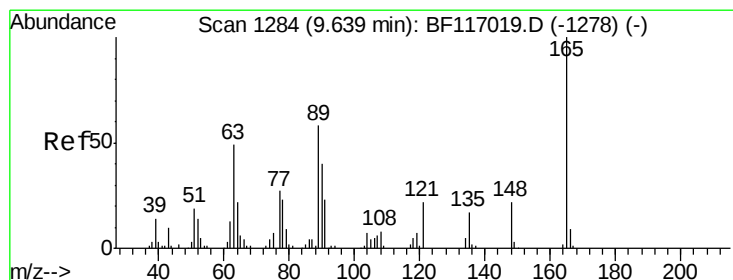
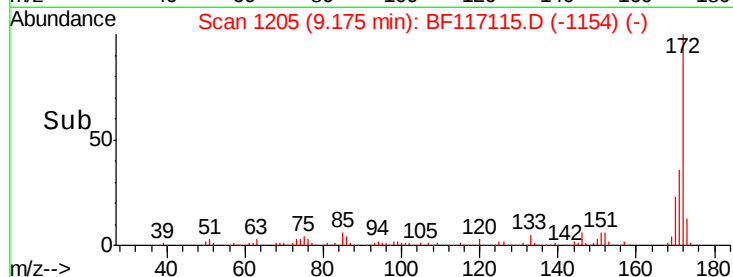
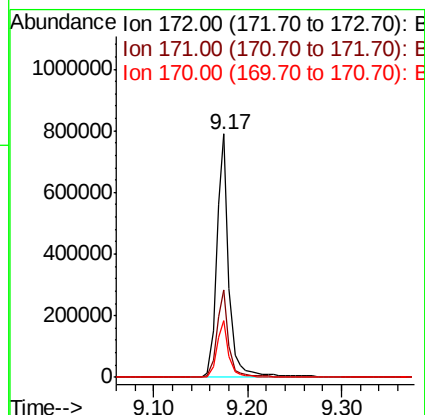
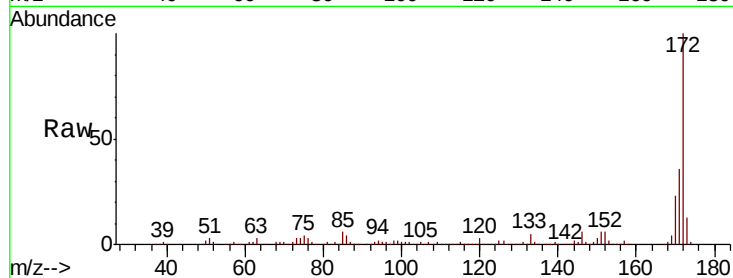




#45
2-Fluorobiphenyl
Concen: 98.059 ng
RT: 9.17 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BF117115.D
Acq: 17 Sep 2019 19:04

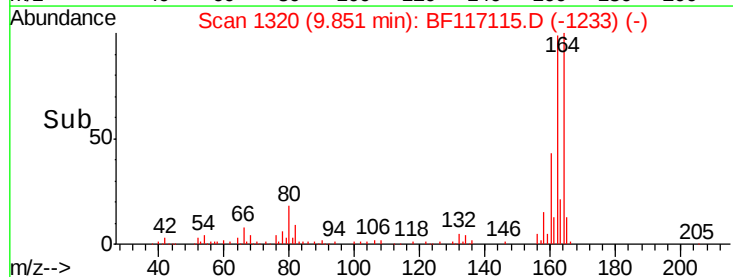
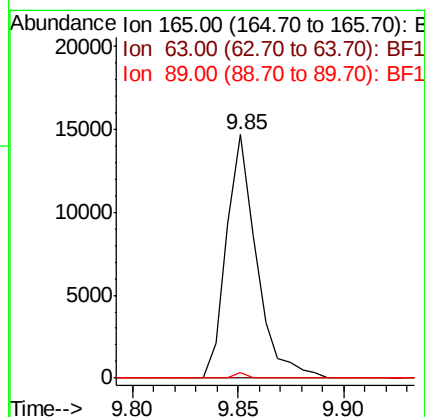
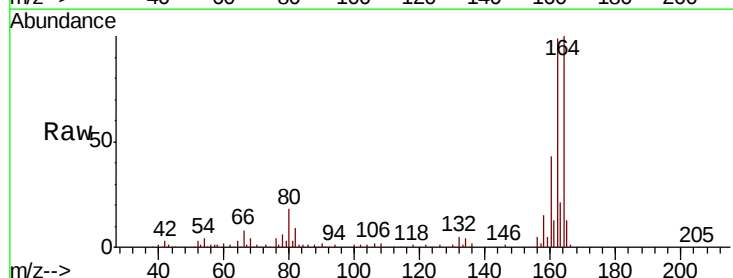
Instrument :
BNA_F
ClientSampled :
COMP-30

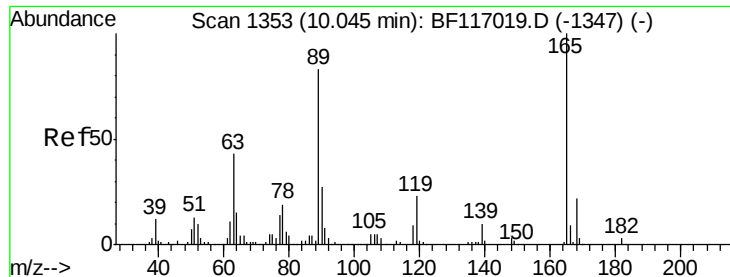
Tot Ion:172 Resp: 721563
Ion Ratio Lower Upper
172 100
171 35.8 28.2 42.2
170 23.3 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.718 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.21 min
Lab File: BF117115.D
Acq: 17 Sep 2019 19:04

Tgt Ion:165 Resp: 14465
Ion Ratio Lower Upper
165 100
63 0.0 41.8 62.8#
89 2.2 46.5 69.7#

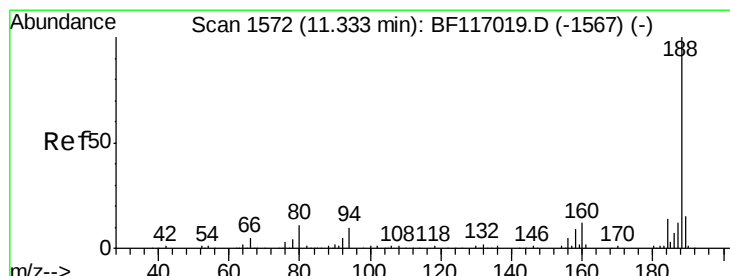
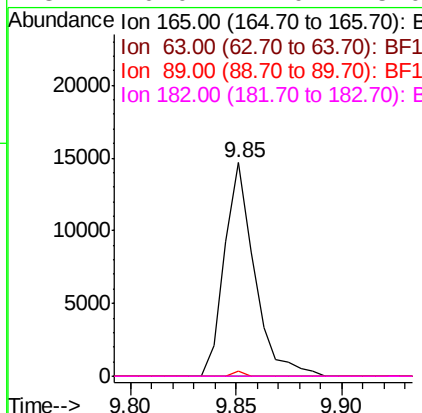
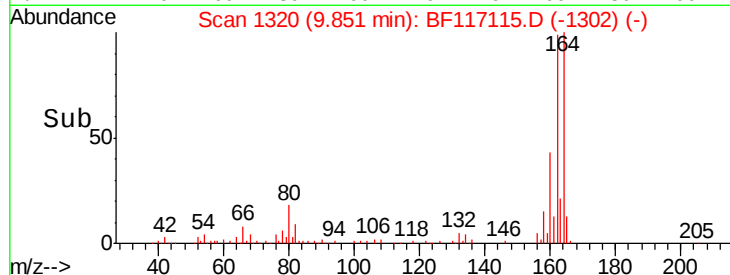
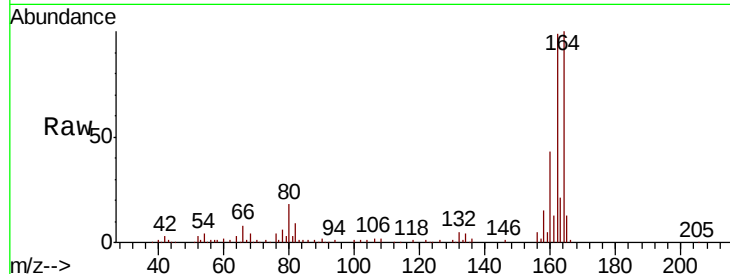




#57
 2,4-Dinitrotoluene
 Concen: 6.716 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117115.D
 Acq: 17 Sep 2019 19:04

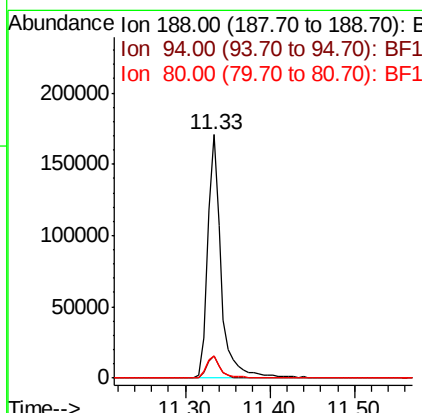
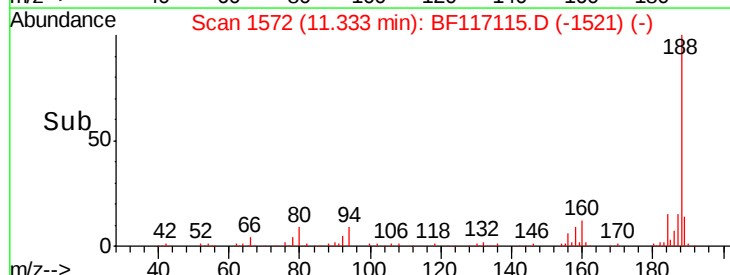
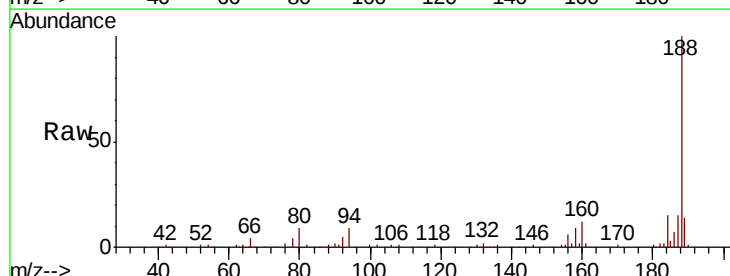
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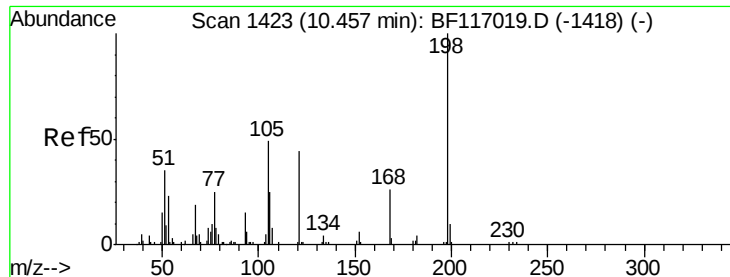
Tot Ion:165	Resp: 14465
Ion Ratio	Lower Upper
165 100	
63 0.0	35.0 52.4#
89 2.2	66.1 99.1#
182 0.0	2.0 3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF117115.D
 Acq: 17 Sep 2019 19:04

Tgt Ion	188	Resp: Lower	190192 Upper
	Ratio		
188	100		
94	9.2	8.2	12.2
80	9.3	9.0	13.6





#65

4,6-Dinitro-2-methylphenol

Concen: 7.211 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.18 min

Lab File: BF117115.D

Acq: 17 Sep 2019 19:04

Instrument :

BNA_F

ClientSampleId :

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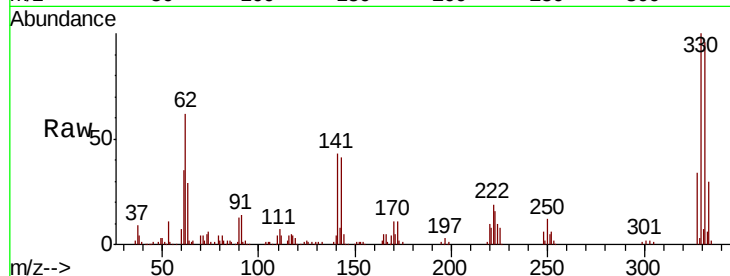
Tot Ion:198 Resp: 313

Ion Ratio Lower Upper

198 100

51 154.7 18.7 58.7#

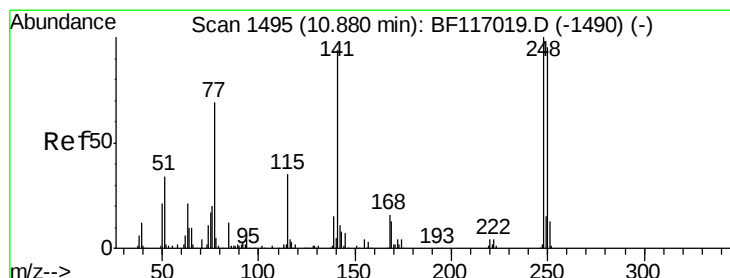
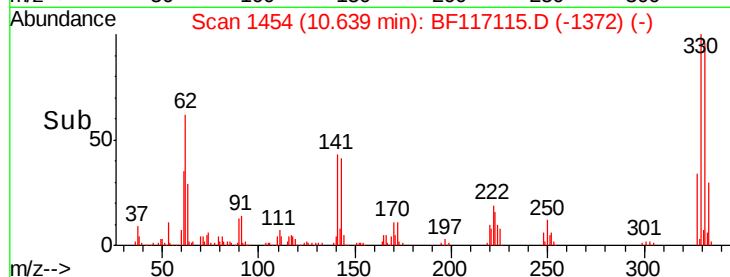
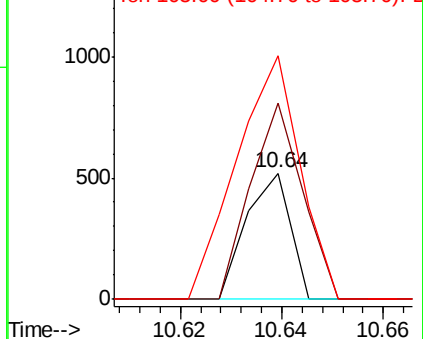
105 192.5 30.2 70.2#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 4.942 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.24 min

Lab File: BF117115.D

Acq: 17 Sep 2019 19:04

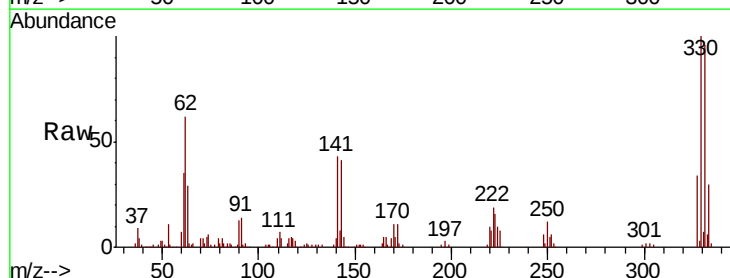
Tgt Ion:248 Resp: 9598

Ion Ratio Lower Upper

248 100

250 191.8 76.2 114.4#

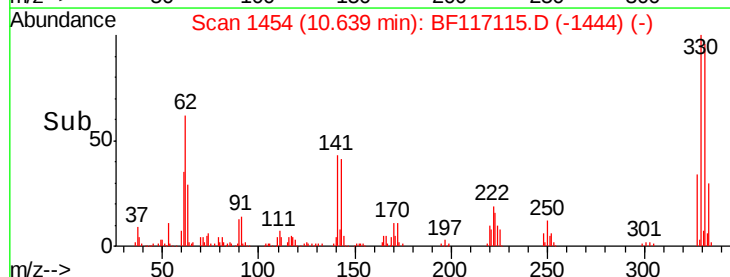
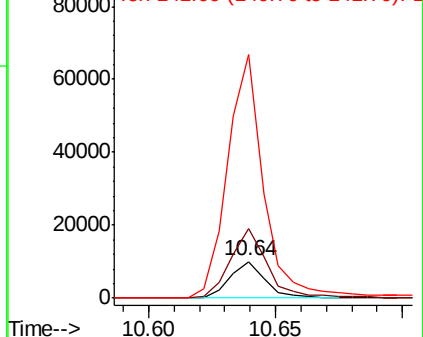
141 665.5 75.0 112.4#

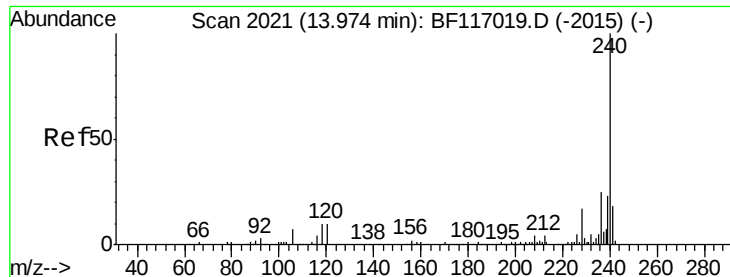


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF117115.D

Acq: 17 Sep 2019 19:04

Instrument :

BNA_F

ClientSampleId :

COMP-30

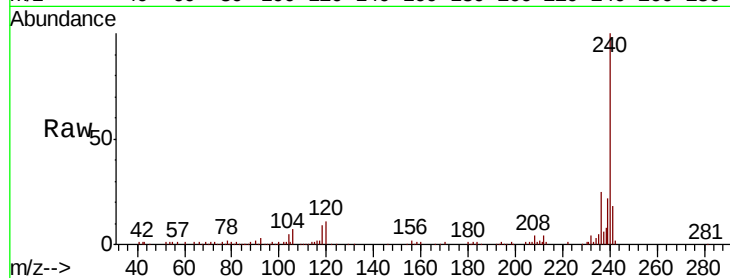
Tot Ion:240 Resp: 140319

Ion Ratio Lower Upper

240 100

120 10.6 8.3 12.5

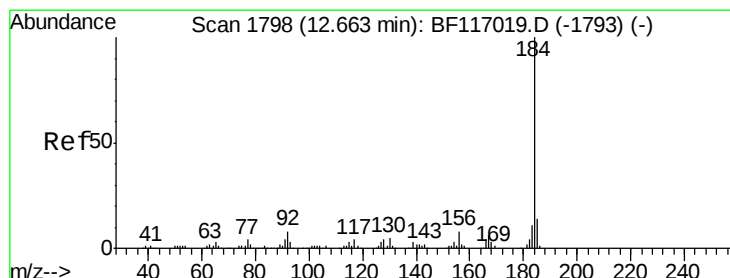
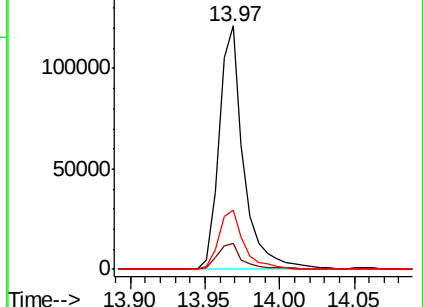
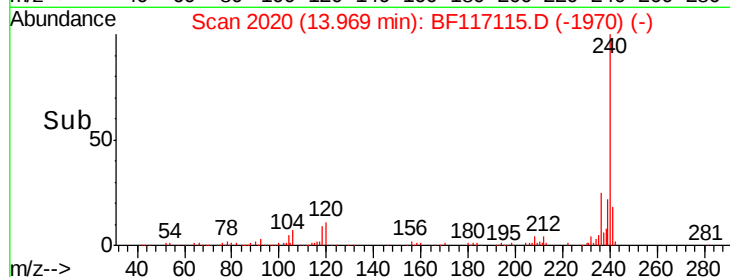
236 24.5 20.3 30.5



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



#77

Benzidine

Concen: 2.447 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.25 min

Lab File: BF117115.D

Acq: 17 Sep 2019 19:04

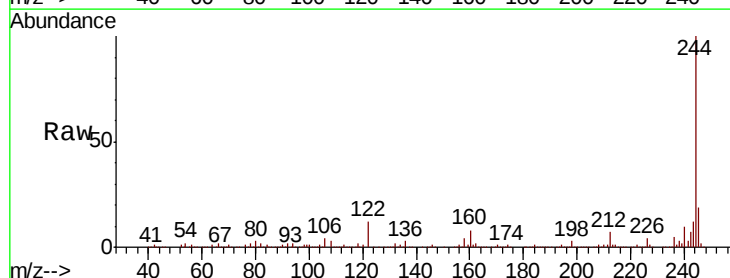
Tgt Ion:184 Resp: 11061

Ion Ratio Lower Upper

184 100

185 19.2 11.6 17.4#

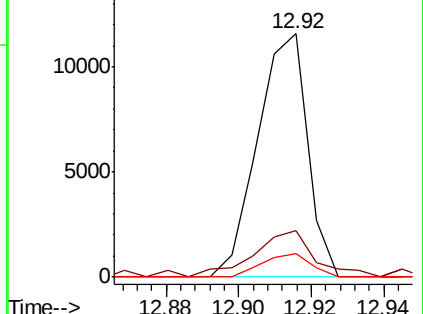
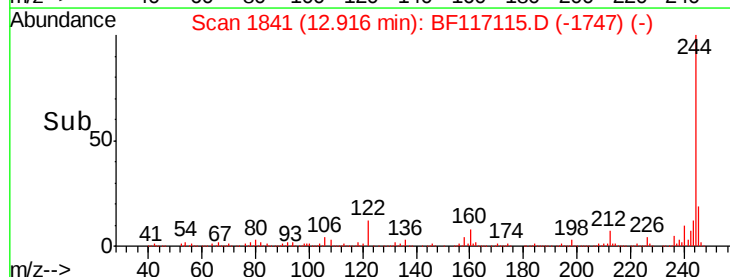
183 9.7 9.0 13.4

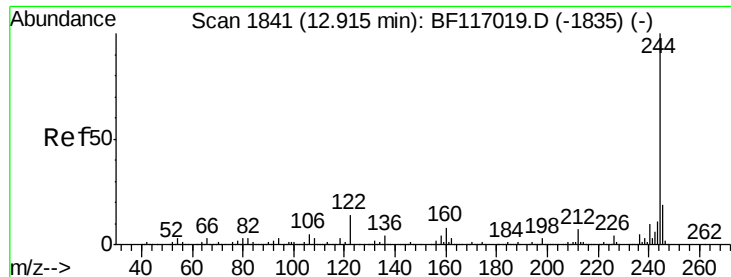


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 100.293 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.00 min

Lab File: BF117115.D

Acq: 17 Sep 2019 19:04

Instrument :

BNA_F

ClientSampled :

COMP-30

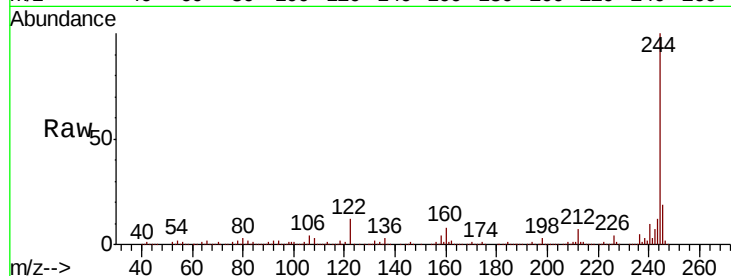
Tot Ion:244 Resp: 752877

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

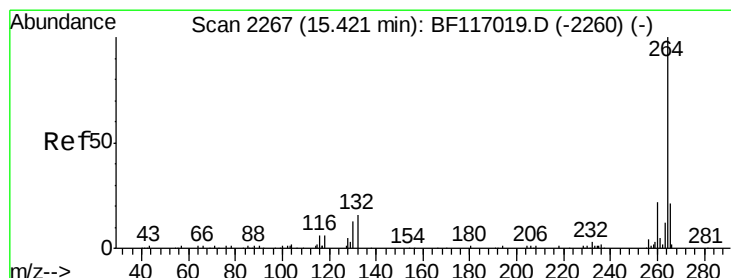
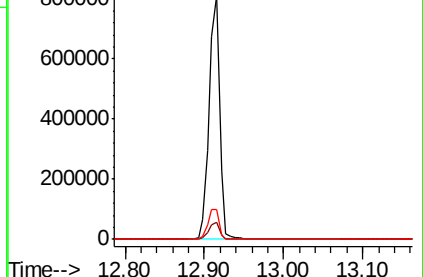
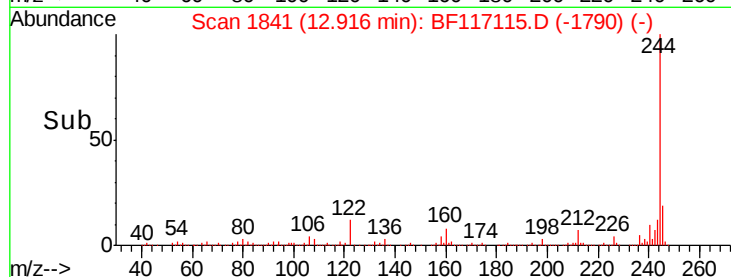
122 12.3 11.3 16.9



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: 15.42 min Scan# 2266

Delta R.T. -0.01 min

Lab File: BF117115.D

Acq: 17 Sep 2019 19:04

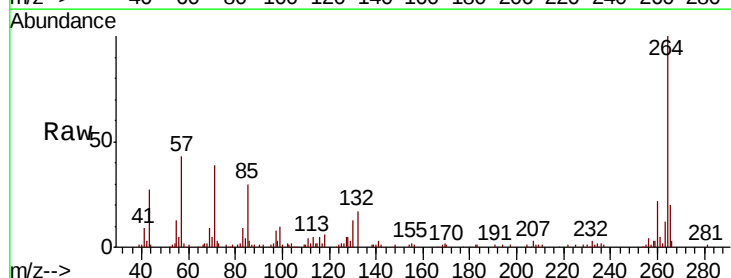
Tgt Ion:264 Resp: 128648

Ion Ratio Lower Upper

264 100

260 22.3 17.6 26.4

265 20.1 16.6 24.8



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

