

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091719\
 Data File : BF117116.D
 Acq On : 17 Sep 2019 19:30
 Operator : HP/JU
 Sample : K4889-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 18 03:52:31 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

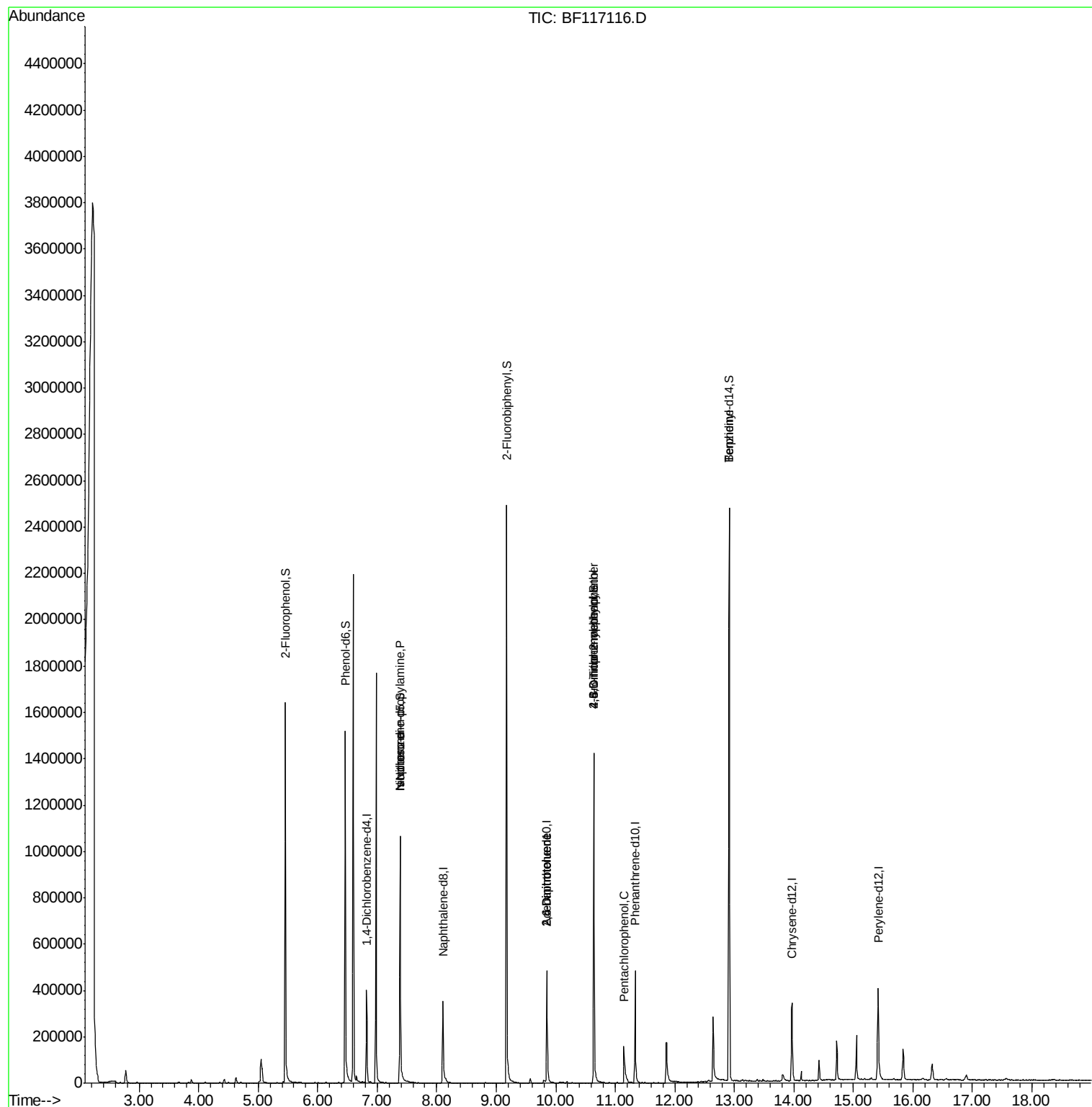
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	60623	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	226838	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	120602	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	197585	20.00	ng	0.00
76) Chrysene-d12	13.97	240	144485	20.00	ng	0.00
87) Perylene-d12	15.42	264	131363	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	491609	126.61	ng	0.02
7) Phenol-d6	6.46	99	588548	117.28	ng	0.00
23) Nitrobenzene-d5	7.39	82	467533	108.29	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	166913	165.60	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	817957	106.05	ng	0.00
79) Terphenyl-d14	12.92	244	813313	105.22	ng	0.00
Target Compounds						
9) Benzaldehyde	6.46	77	838	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	60195	19.699	ng	# 1
25) Isophorone	7.39	82	467529	61.163	ng	# 79
51) 2,6-Dinitrotoluene	9.85	165	15057	8.658	ng	# 66
57) 2,4-Dinitrotoluene	9.85	165	15057	6.670	ng	# 24
65) 4,6-Dinitro-2-methylphenol	10.64	198	456	7.336	ng	# 18
67) 4-Bromophenyl-phenylether	10.64	248	10555	5.231	ng	# 1
70) Pentachlorophenol	11.15	266	34011	32.876	ng	# 97
77) Benzidine	12.92	184	11393	2.448	ng	# 94

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

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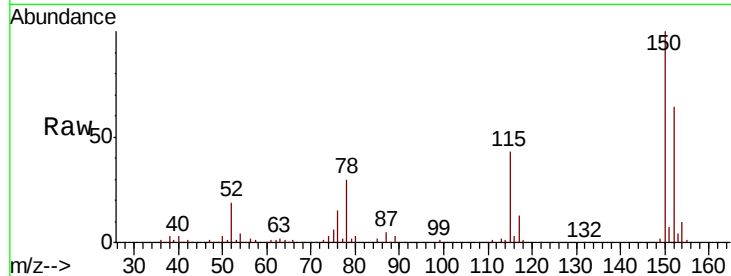


#1

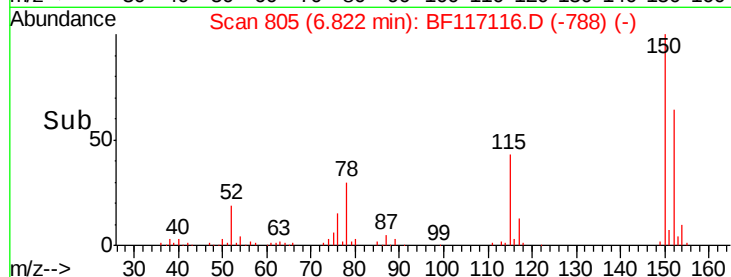
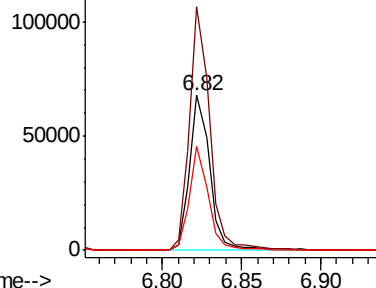
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117116.D
Acq: 17 Sep 2019 19:30

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 60623
Ion Ratio Lower Upper
152 100
150 157.2 127.5 191.3
115 66.8 55.0 82.4



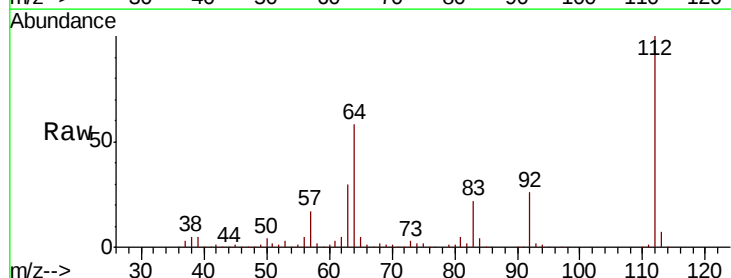
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



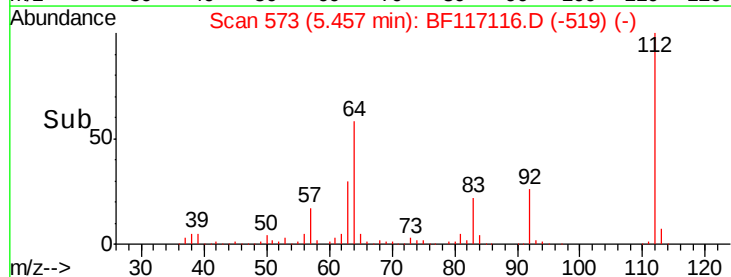
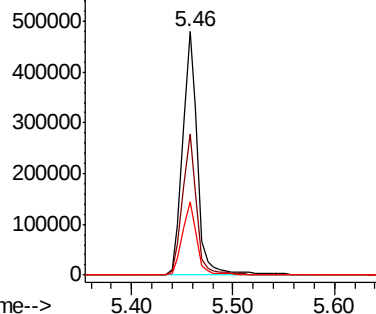
#5

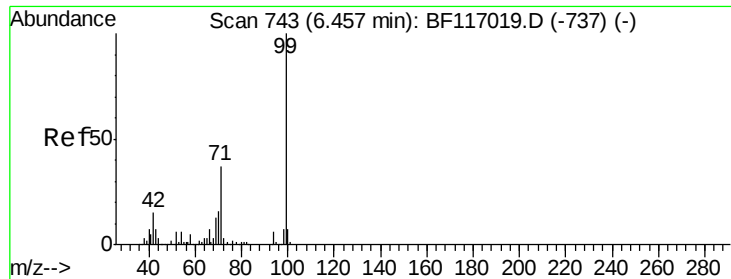
2-Fluorophenol
Concen: 126.606 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.02 min
Lab File: BF117116.D
Acq: 17 Sep 2019 19:30

Tgt Ion:112 Resp: 491609
Ion Ratio Lower Upper
112 100
64 58.1 45.7 68.5
63 30.1 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: 117.282 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF117116.D

Acq: 17 Sep 2019 19:30

Instrument :

BNA_F

ClientSampleId :

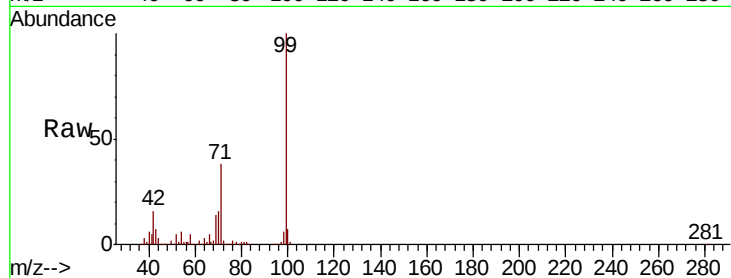
Tot Ion: 99 Resp: 588548

Ion Ratio Lower Upper

99 100

42 15.9 12.2 18.2

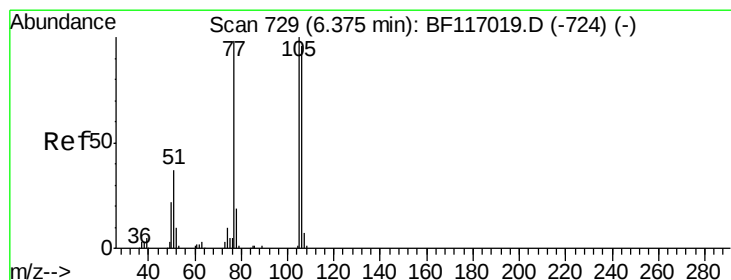
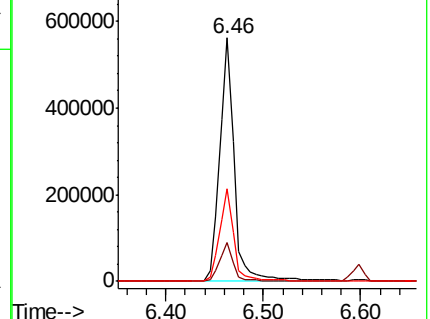
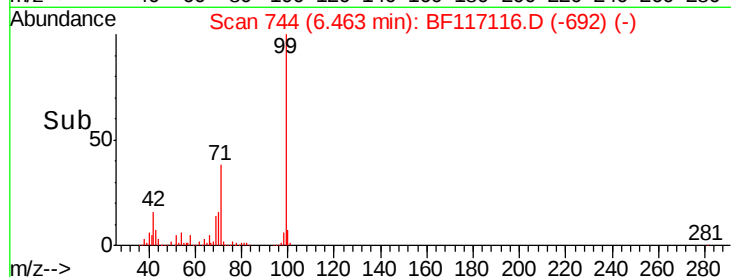
71 38.2 29.8 44.8



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# 744

Delta R.T. 0.09 min

Lab File: BF117116.D

Acq: 17 Sep 2019 19:30

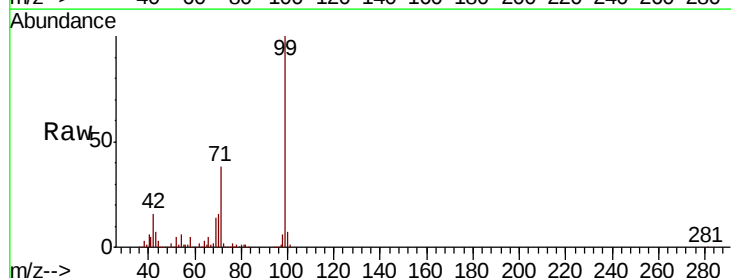
Tgt Ion: 77 Resp: 838

Ion Ratio Lower Upper

77 100

105 0.0 81.8 121.8#

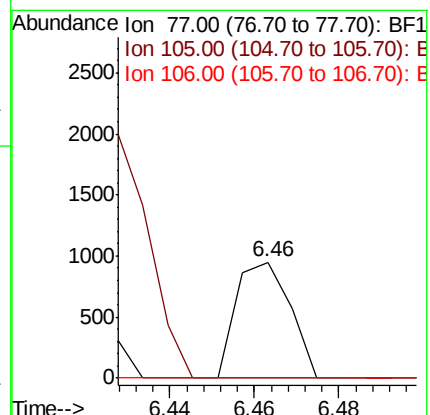
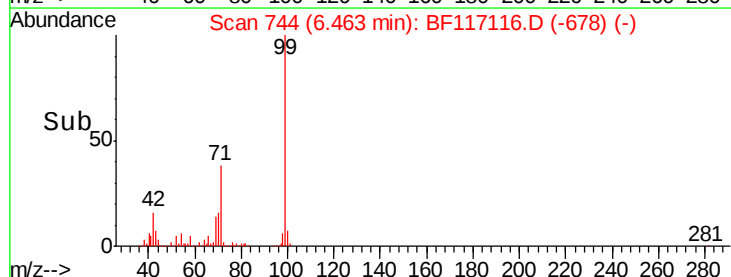
106 0.0 77.3 117.3#



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

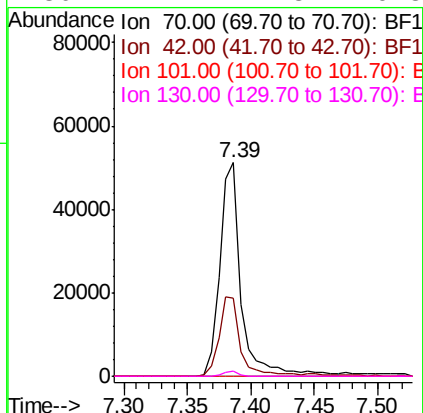
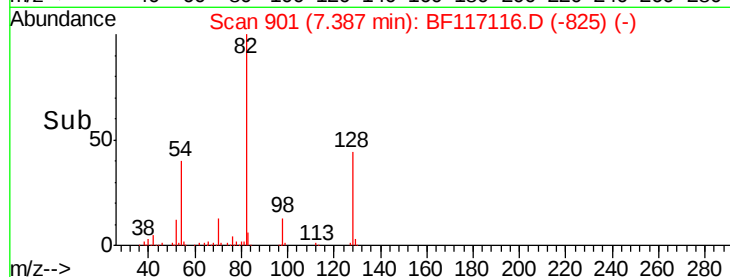
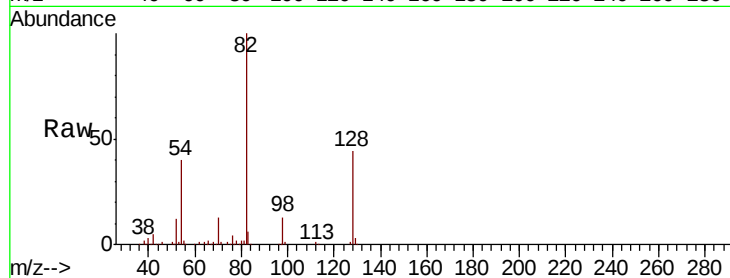




#19
n-Nitroso-di-n-propylamine
Concen: 19.699 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.15 min
Lab File: BF117116.D
Acq: 17 Sep 2019 19:30

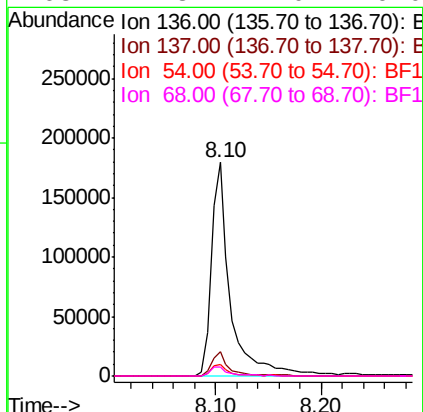
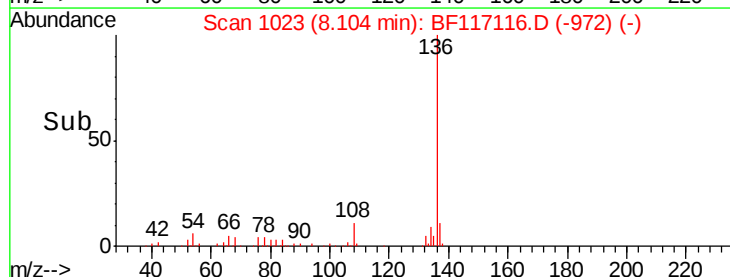
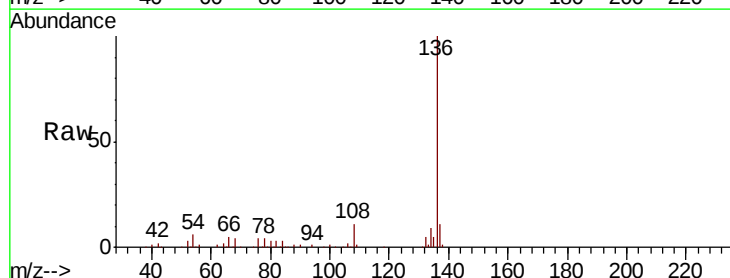
Instrument :
BNA_F
ClientSampleId :

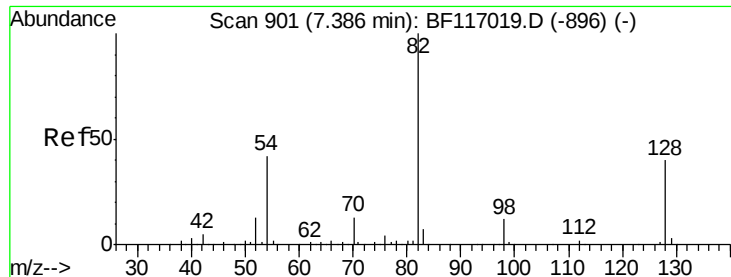
Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	36.8	34.0	51.0	
101	0.0	7.8	11.6#	
130	2.4	17.8	26.8#	



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF117116.D
Acq: 17 Sep 2019 19:30

Tgt Ion	Ion	Ratio	Lower	Upper
136	100			
137	11.2	9.0	13.4	
54	5.5	4.5	6.7	
68	4.3	4.0	6.0	

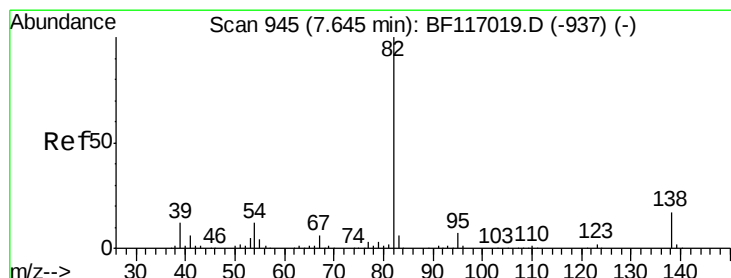
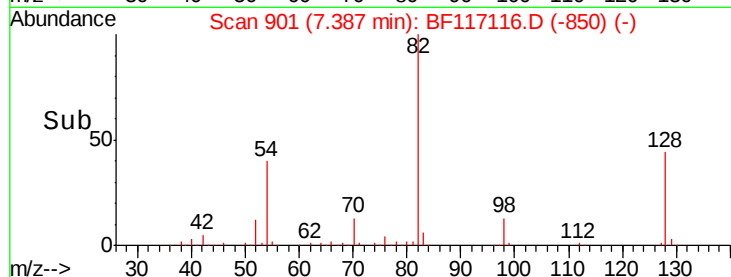
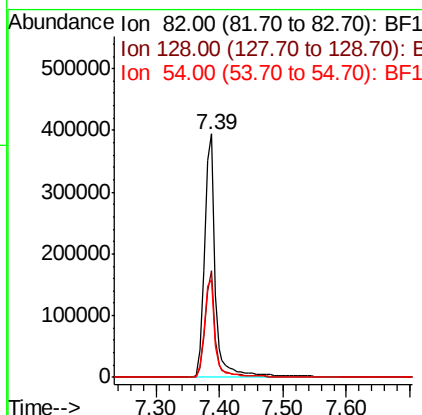
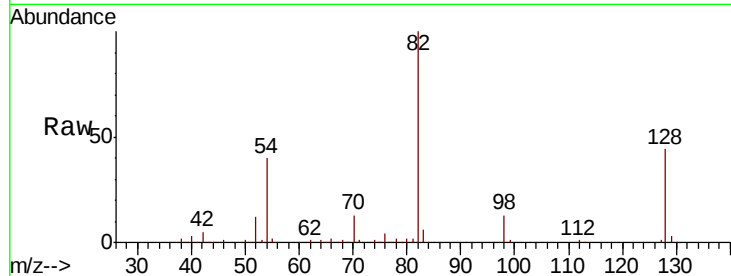




#23
 Nitrobenzene-d5
 Concen: 108.295 ng
 RT: 7.39 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: BF117116.D
 Acq: 17 Sep 2019 19:30

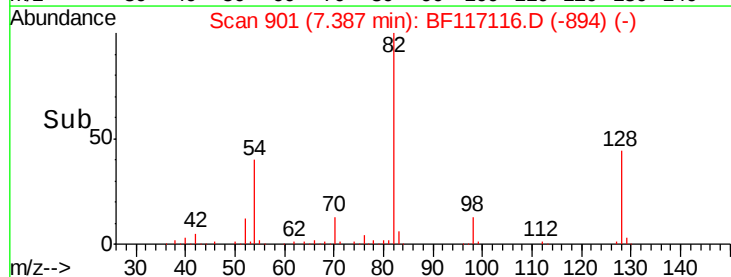
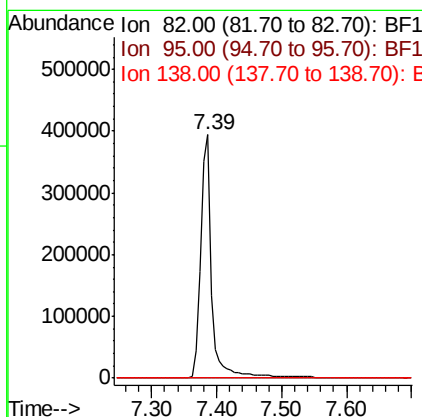
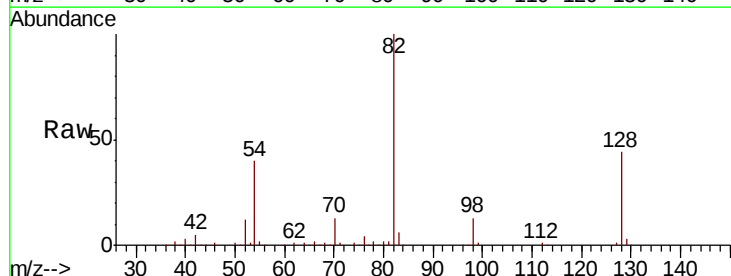
Instrument :
 BNA_F
 ClientSampled :

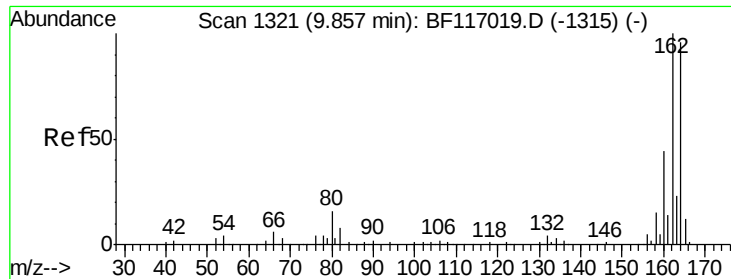
Tot Ion	82	Resp	467533
Ion Ratio	Lower	Upper	
82	100		
128	43.8	32.3	48.5
54	40.1	33.3	49.9



#25
 Isophorone
 Concen: 61.163 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.26 min
 Lab File: BF117116.D
 Acq: 17 Sep 2019 19:30

Tgt Ion	82	Resp	467529
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: BF117116.D

Acq: 17 Sep 2019 19:30

Instrument :

BNA_F

ClientSampleId :

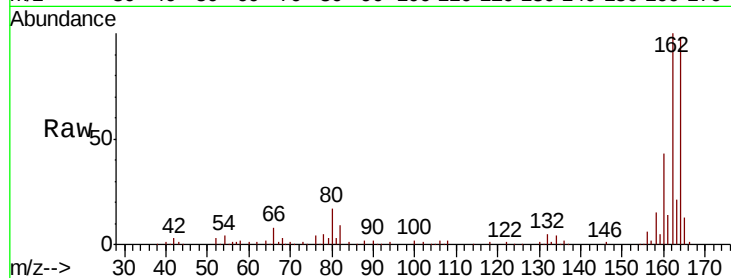
Tot Ion:164 Resp: 120602

Ion Ratio Lower Upper

164 100

162 101.8 83.4 125.2

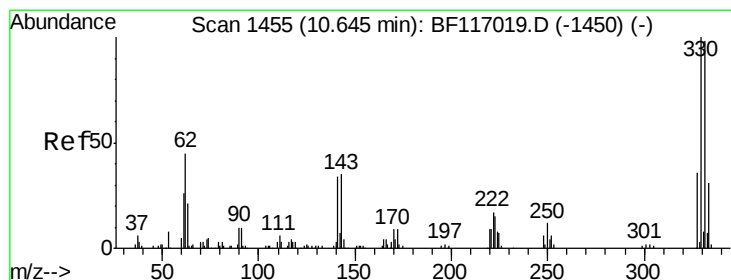
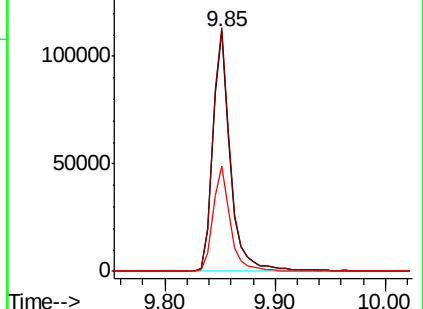
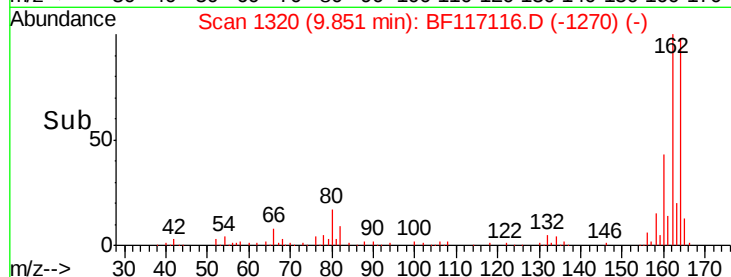
160 43.8 36.4 54.6



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: 165.595 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF117116.D

Acq: 17 Sep 2019 19:30

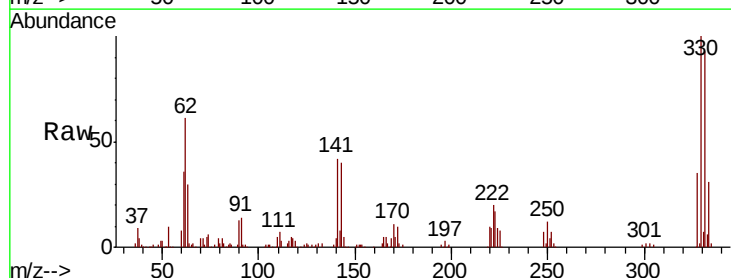
Tgt Ion:330 Resp: 166913

Ion Ratio Lower Upper

330 100

332 95.3 78.0 117.0

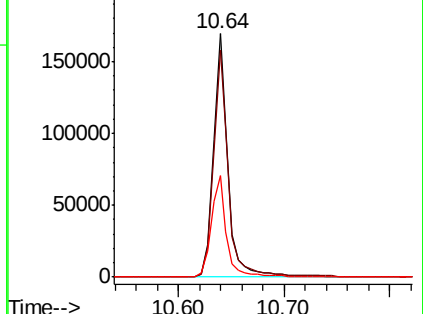
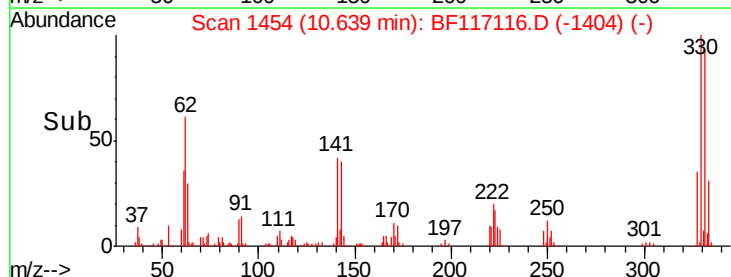
141 42.7 35.8 53.6

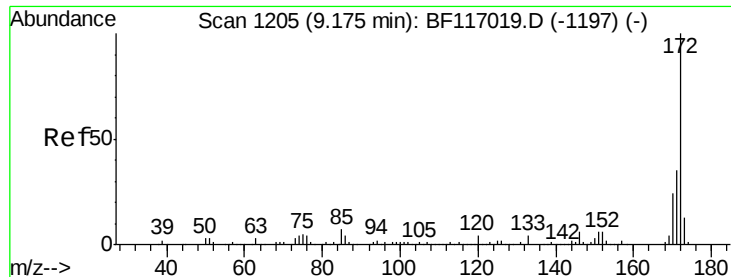


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

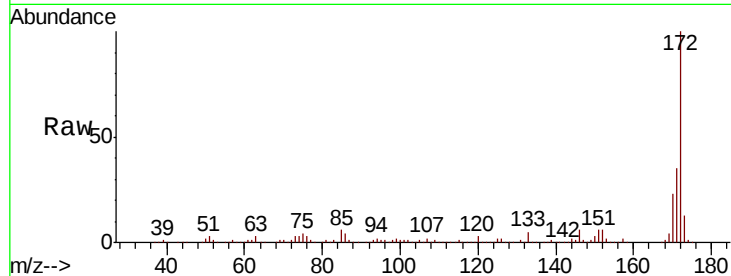




#45
 2-Fluorobiphenyl
 Concen: 106.046 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF117116.D
 Acq: 17 Sep 2019 19:30

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.2	42.2
170	23.5	18.9	28.3

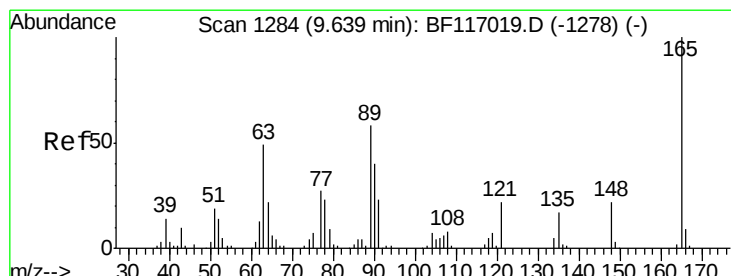
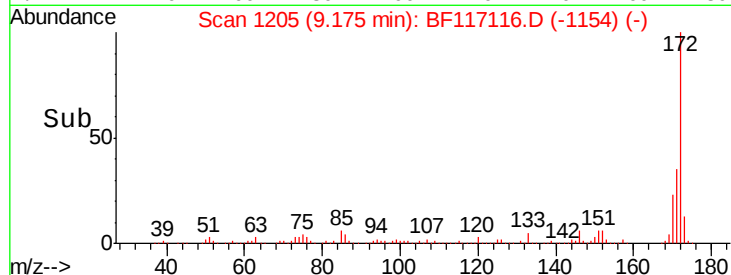
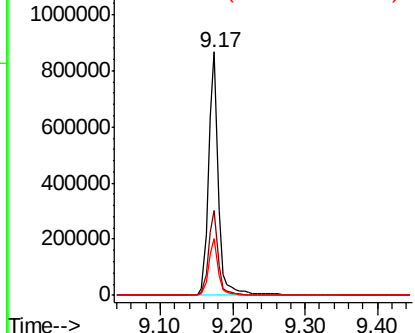


Abundance

Ion 172.00 (171.70 to 172.70): E

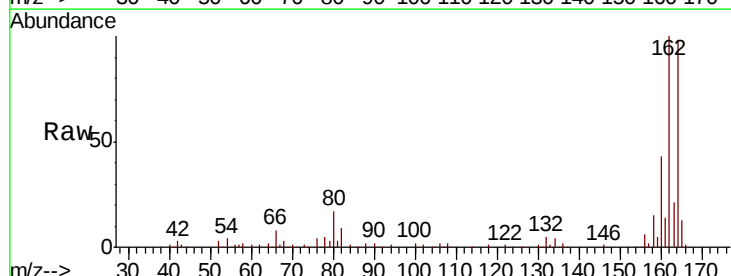
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#51
 2,6-Dinitrotoluene
 Concen: 8.658 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.21 min
 Lab File: BF117116.D
 Acq: 17 Sep 2019 19:30

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.8	62.8#
89	0.0	46.5	69.7#

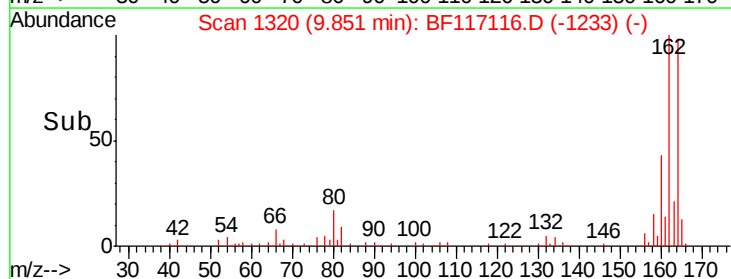
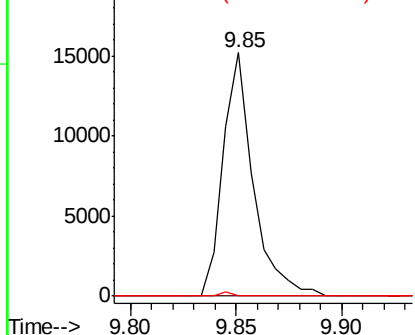


Abundance

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

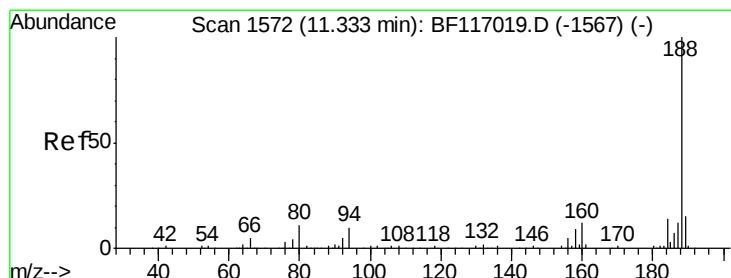
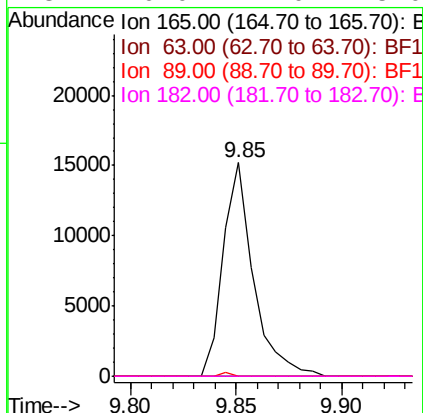
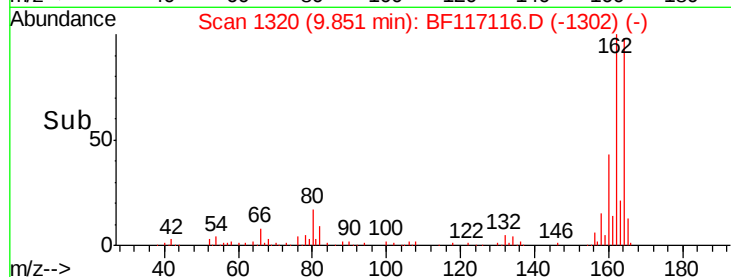
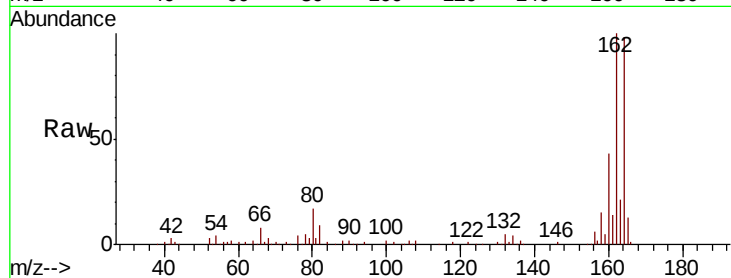




#57
 2,4-Dinitrotoluene
 Concen: 6.670 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117116.D
 Acq: 17 Sep 2019 19:30

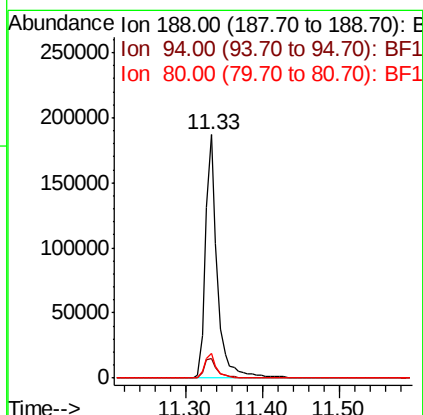
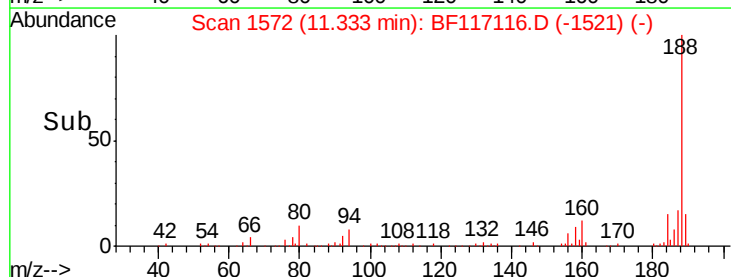
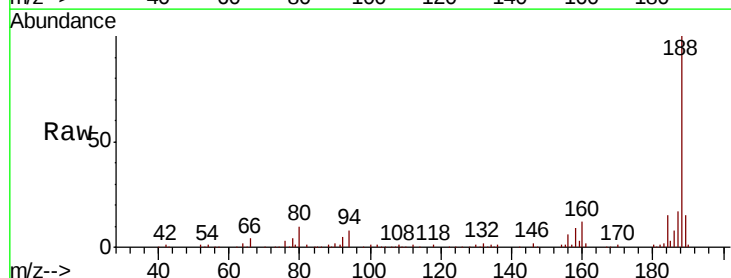
Instrument :
 BNA_F
 ClientSampleId :

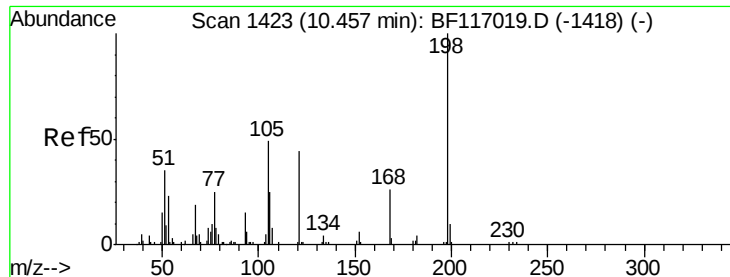
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.0	52.4#
89	0.0	66.1	99.1#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF117116.D
 Acq: 17 Sep 2019 19:30

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.0	8.2	12.2#
80	10.1	9.0	13.6





#65

4,6-Dinitro-2-methylphenol

Concen: 7.336 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.18 min

Lab File: BF117116.D

Acq: 17 Sep 2019 19:30

Instrument :

BNA_F

ClientSampleId :

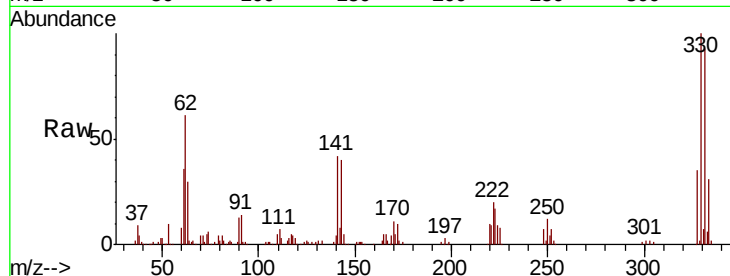
Tot Ion:198 Resp: 456

Ion Ratio Lower Upper

198 100

51 131.5 18.7 58.7#

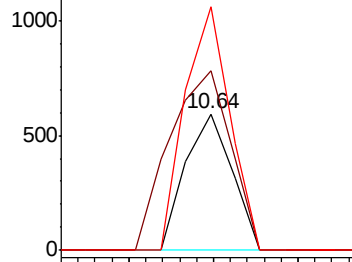
105 178.8 30.2 70.2#



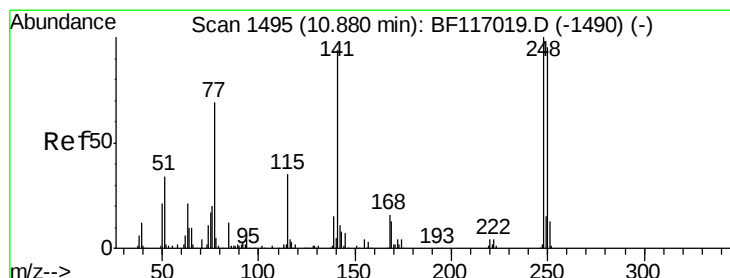
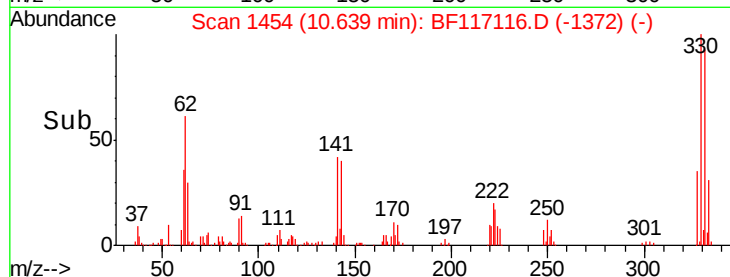
Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



Time-->



#67

4-Bromophenyl-phenylether

Concen: 5.231 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.24 min

Lab File: BF117116.D

Acq: 17 Sep 2019 19:30

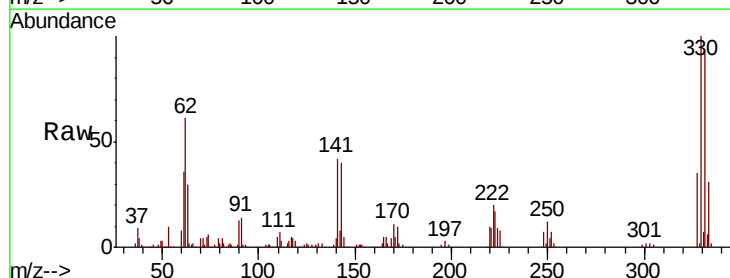
Tgt Ion:248 Resp: 10555

Ion Ratio Lower Upper

248 100

250 188.1 76.2 114.4#

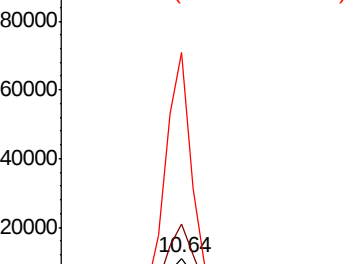
141 638.3 75.0 112.4#



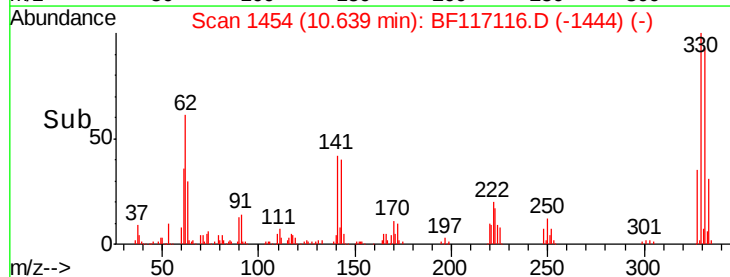
Abundance Ion 248.00 (247.70 to 248.70): E

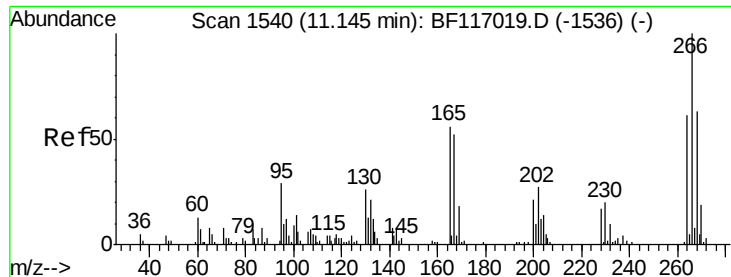
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->

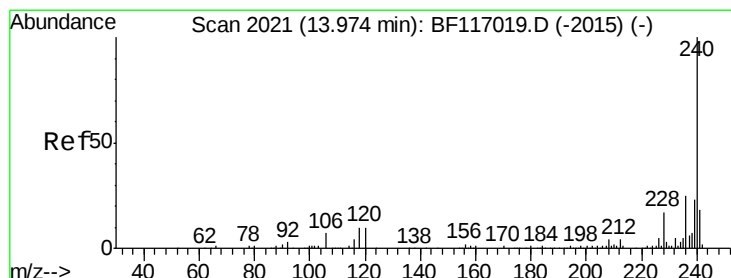
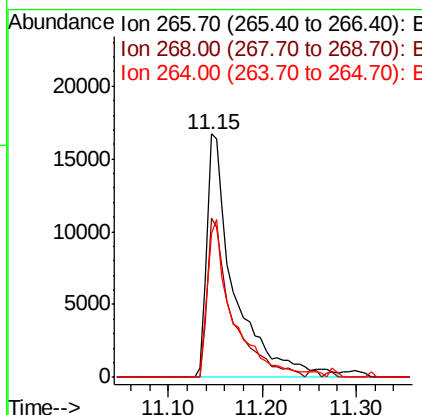
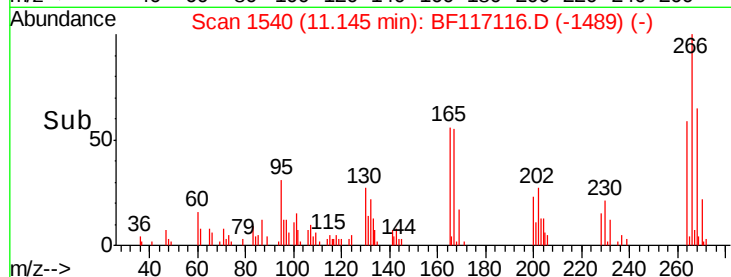
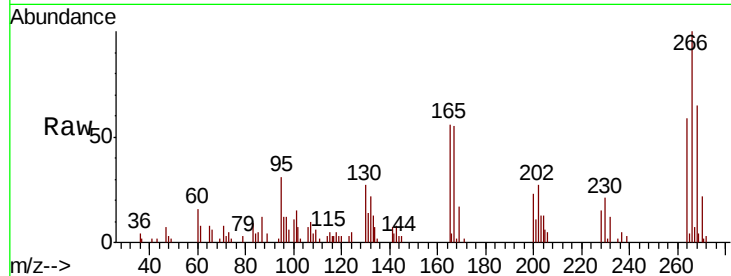




#70
 Pentachlorophenol
 Concen: 32.876 ng
 RT: 11.15 min Scan# 1540
 Delta R.T. 0.00 min
 Lab File: BF117116.D
 Acq: 17 Sep 2019 19:30

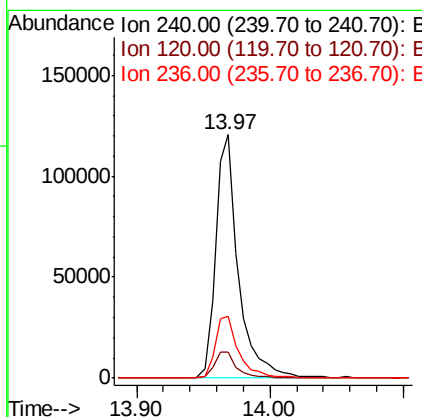
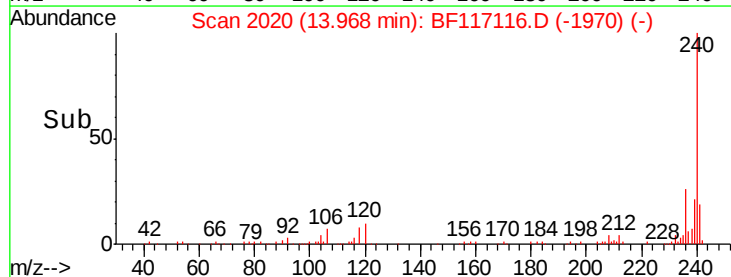
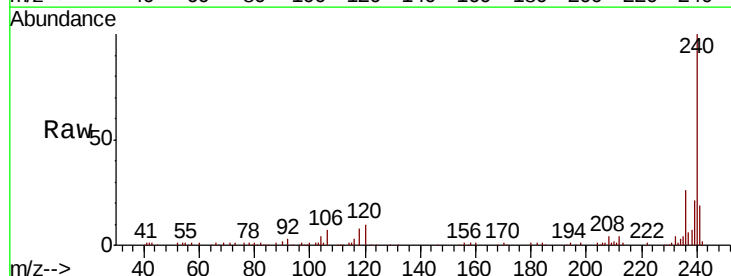
Instrument :
 BNA_F
 ClientSampled :

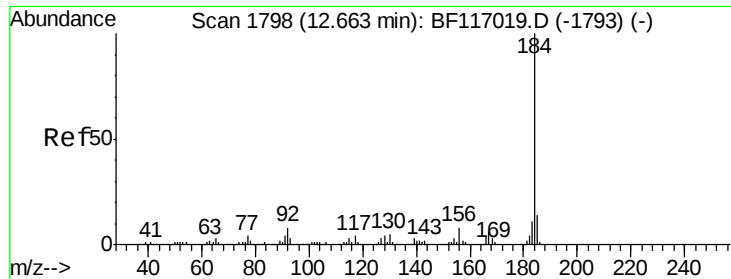
Tot Ion:266 Resp: 34011
 Ion Ratio Lower Upper
 266 100
 268 65.1 50.5 75.7
 264 59.1 48.8 73.2



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF117116.D
 Acq: 17 Sep 2019 19:30

Tgt Ion:240 Resp: 144485
 Ion Ratio Lower Upper
 240 100
 120 10.5 8.3 12.5
 236 25.6 20.3 30.5





#77

Benzidine

Concen: 2.448 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.25 min

Lab File: BF117116.D

Acq: 17 Sep 2019 19:30

Instrument :

BNA_F

ClientSampleId :

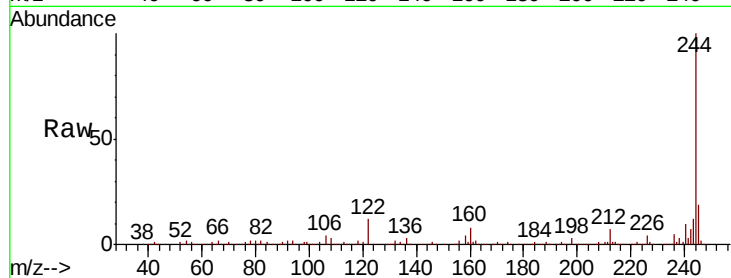
Tot Ion:184 Resp: 11393

Ion Ratio Lower Upper

184 100

185 16.5 11.6 17.4

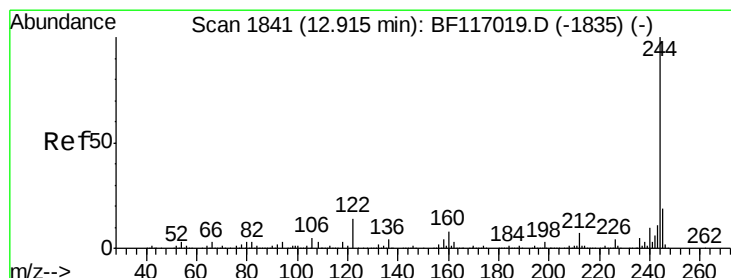
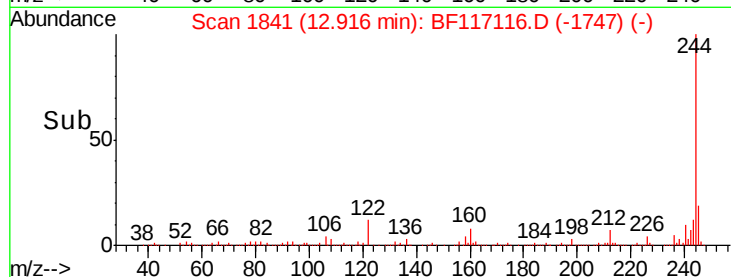
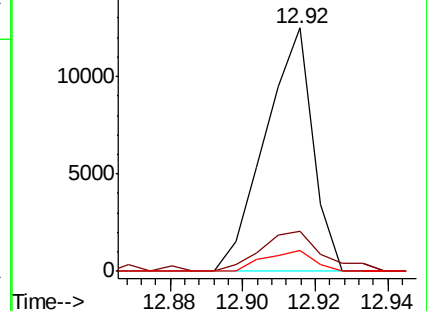
183 8.4 9.0 13.4#



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: 105.219 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.00 min

Lab File: BF117116.D

Acq: 17 Sep 2019 19:30

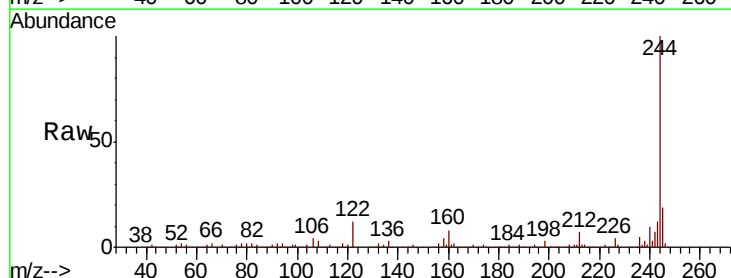
Tgt Ion:244 Resp: 813313

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

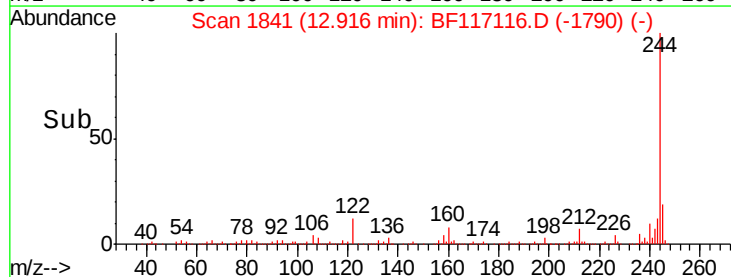
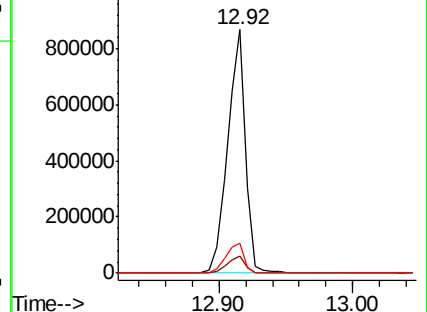
122 12.4 11.3 16.9

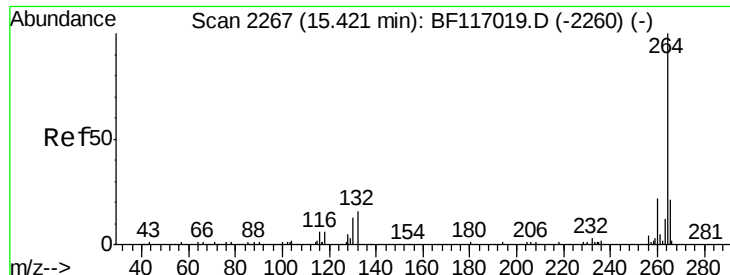


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

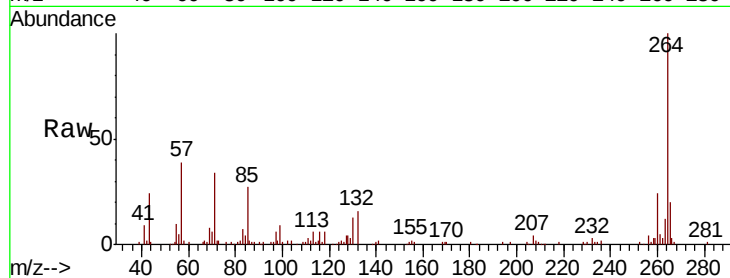




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2266
 Delta R.T. -0.01 min
 Lab File: BF117116.D
 Acq: 17 Sep 2019 19:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	17.6	26.4
265	20.0	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

