

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101719\
 Data File : BF117435.D
 Acq On : 17 Oct 2019 21:27
 Operator : JU
 Sample : K5393-20
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T-6-D1-D3-(0-46)

Quant Time: Oct 18 03:56:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 14 19:03:29 2019
 Response via : Initial Calibration

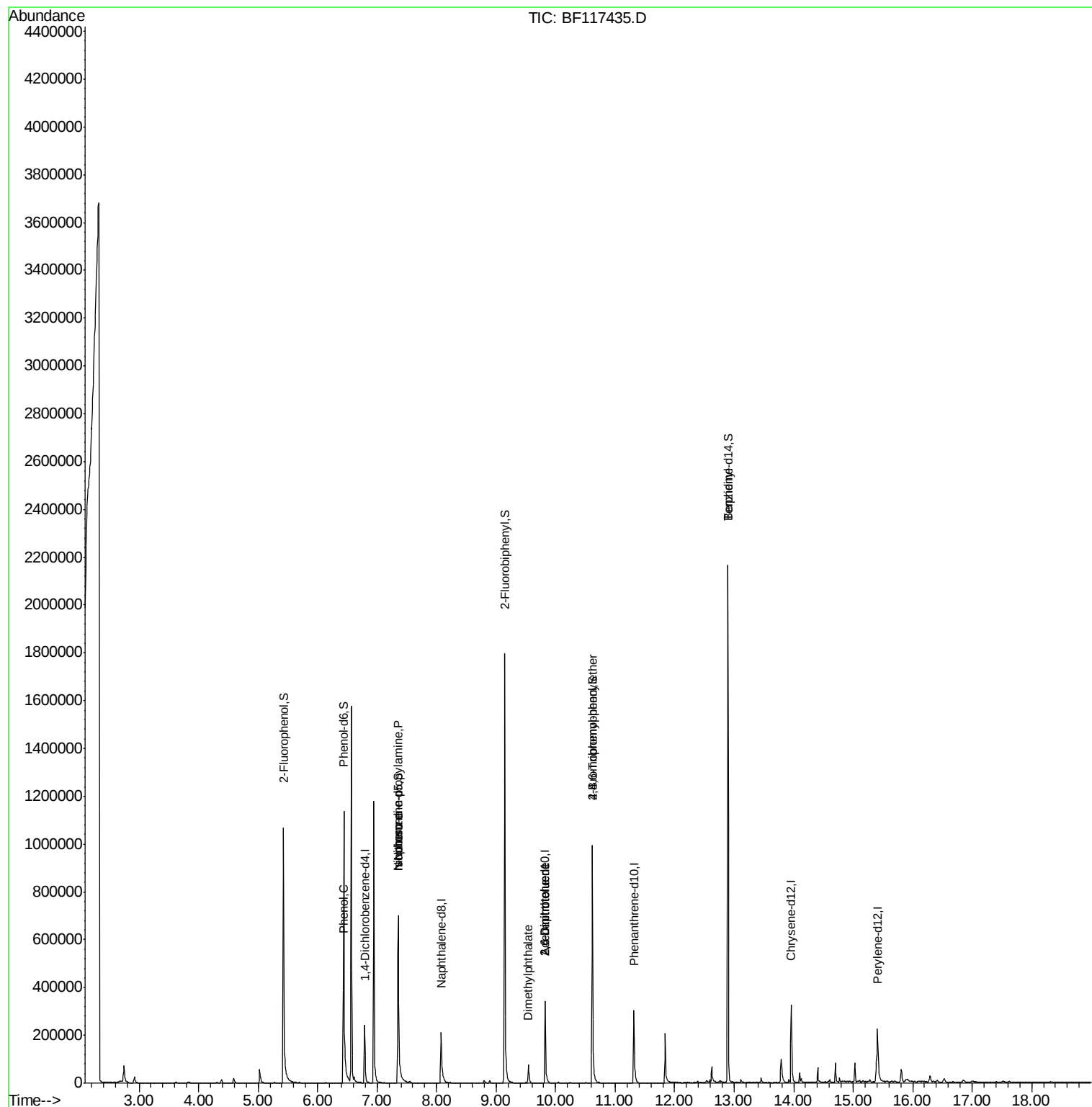
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	44186	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	177352	20.00	ng	0.00
39) Acenaphthene-d10	9.82	164	94808	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	165120	20.00	ng	0.00
76) Chrysene-d12	13.96	240	142290	20.00	ng	0.00
87) Perylene-d12	15.41	264	141820	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	385716	134.31	ng	0.01
7) Phenol-d6	6.44	99	506020	132.80	ng	0.00
23) Nitrobenzene-d5	7.36	82	335262	95.82	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	125391	162.51	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	625703	96.22	ng	0.00
79) Terphenyl-d14	12.90	244	716490	82.09	ng	0.00
Target Compounds						
9) Benzaldehyde	6.43	77	515	Below Cal		Qvalue
10) Phenol	6.45	94	12999	3.160	ng	# 1
19) n-Nitroso-di-n-propylamine	7.36	70	43597	17.945	ng	# 87
25) Isophorone	7.36	82	335259	53.792	ng	# 73
50) Dimethylphthalate	9.55	163	45273	6.649	ng	# 67
51) 2,6-Dinitrotoluene	9.82	165	11957	8.355	ng	# 99
57) 2,4-Dinitrotoluene	9.82	165	11957	6.332	ng	# 21
67) 4-Bromophenyl-phenylether	10.62	248	8286	4.575	ng	# 12
77) Benzidine	12.90	184	9837	2.795	ng	# 1
						# 97

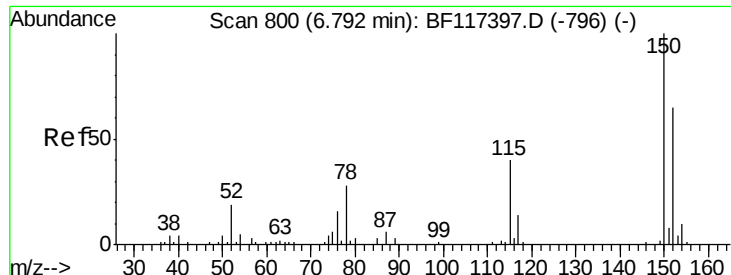
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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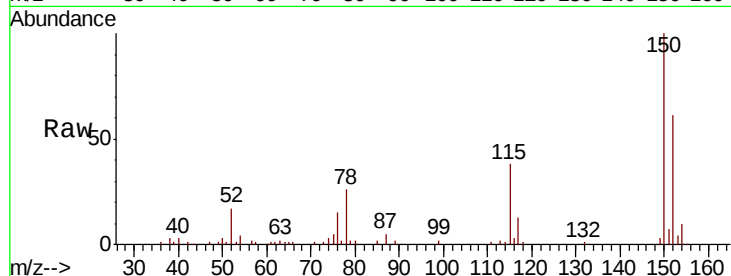


#1

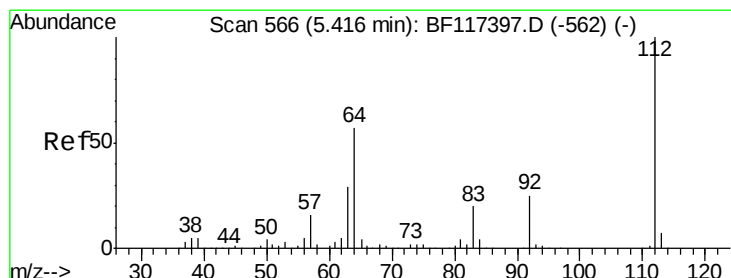
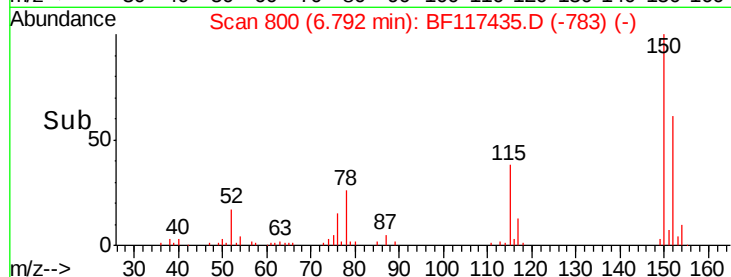
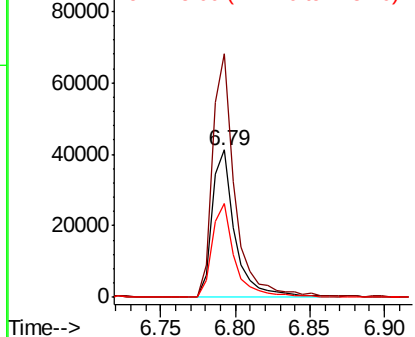
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: BF117435.D
 Acq: 17 Oct 2019 21:27

Instrument :
 BNA_F
 ClientSampleId :
 T-6-D1-D3-(0-46)

Tot Ion:152 Resp: 44186
 Ion Ratio Lower Upper
 152 100
 150 165.2 122.7 184.1
 115 63.2 48.6 73.0



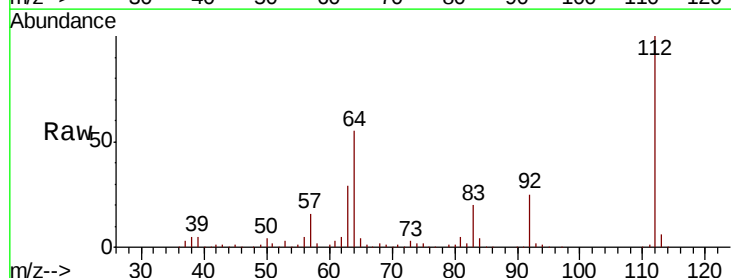
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



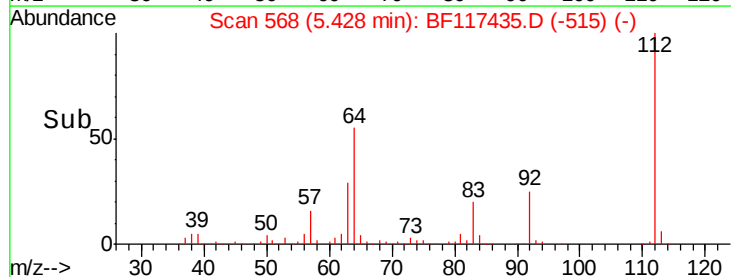
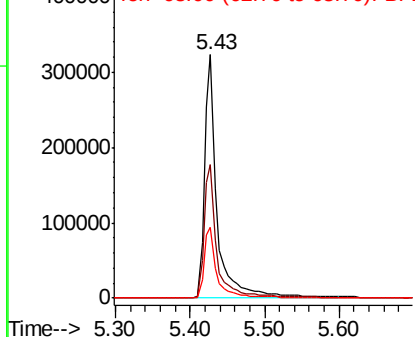
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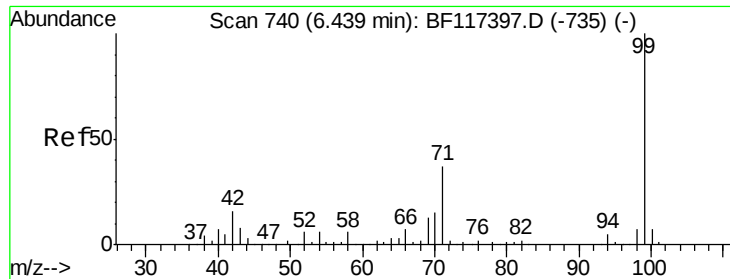
2-Fluorophenol
 Concen: 134.313 ng
 RT: 5.43 min Scan# 568
 Delta R.T. 0.01 min
 Lab File: BF117435.D
 Acq: 17 Oct 2019 21:27

Tgt Ion:112 Resp: 385716
 Ion Ratio Lower Upper
 112 100
 64 54.6 45.2 67.8
 63 29.2 23.4 35.2



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: 132.803 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF117435.D

Acq: 17 Oct 2019 21:27

Instrument :

BNA_F

ClientSampleId :

T-6-D1-D3-(0-46)

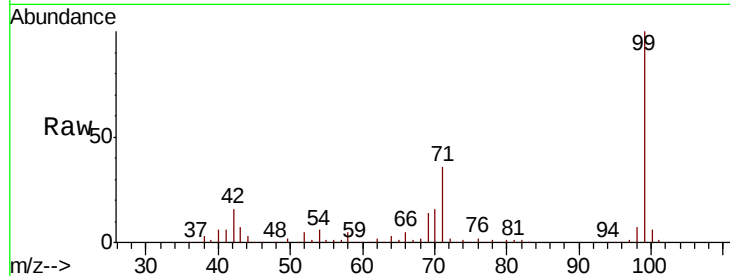
Tot Ion: 99 Resp: 506020

Ion Ratio Lower Upper

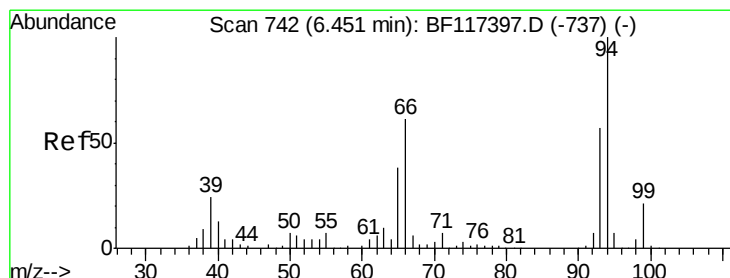
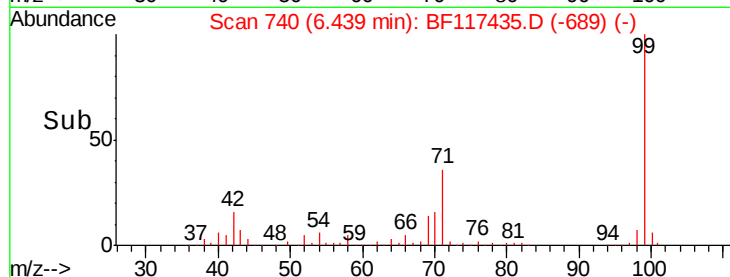
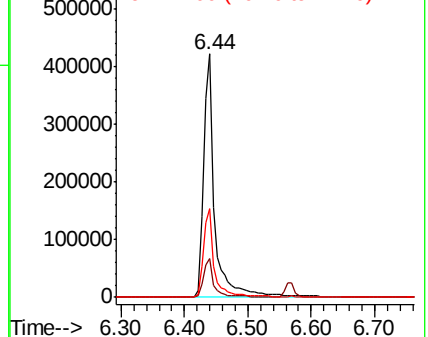
99 100

42 15.9 12.5 18.7

71 36.5 29.2 43.8



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



#10

Phenol

Concen: 3.160 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF117435.D

Acq: 17 Oct 2019 21:27

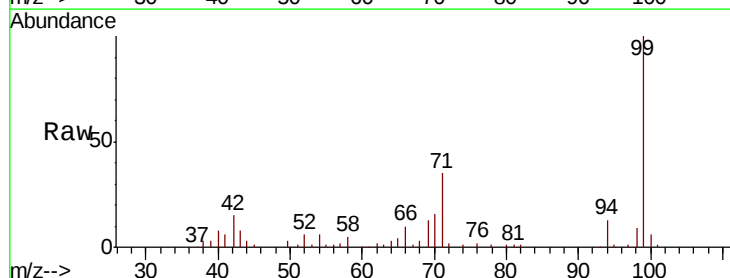
Tgt Ion: 94 Resp: 12999

Ion Ratio Lower Upper

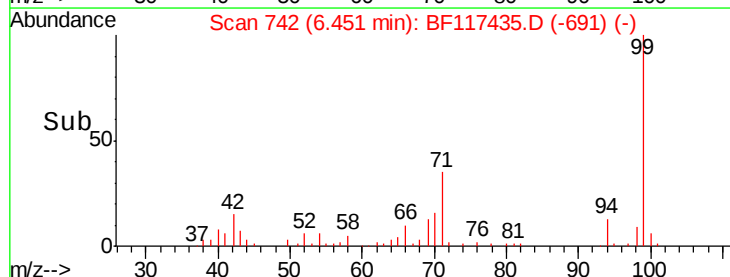
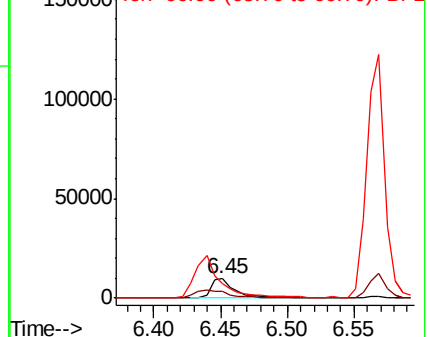
94 100

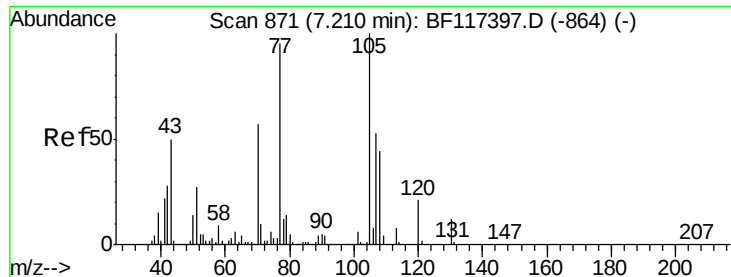
65 32.7 18.2 58.2

66 73.4 41.1 81.1



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

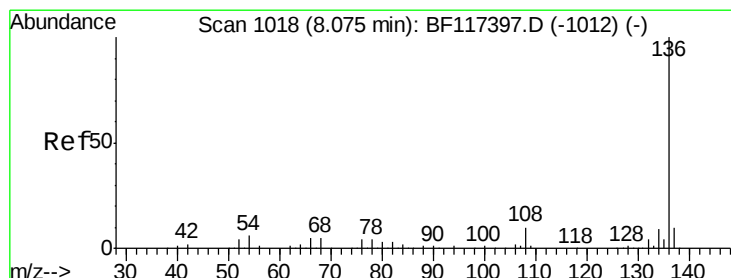
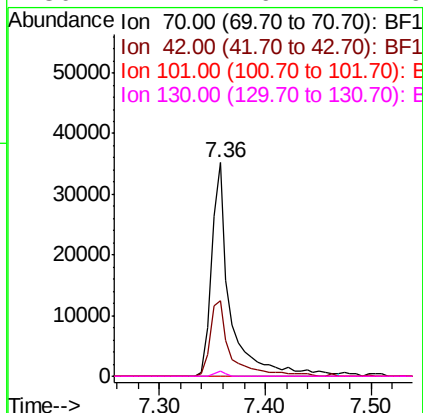
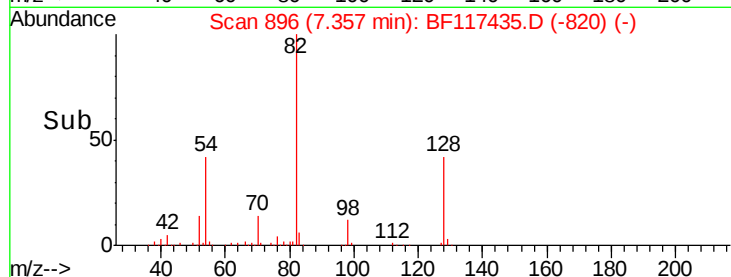
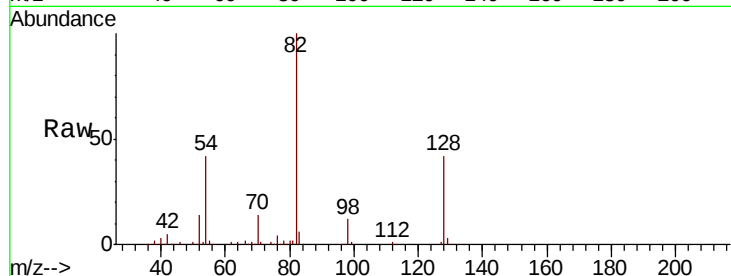




#19
n-Nitroso-di-n-propylamine
Concen: 17.945 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.15 min
Lab File: BF117435.D
Acq: 17 Oct 2019 21:27

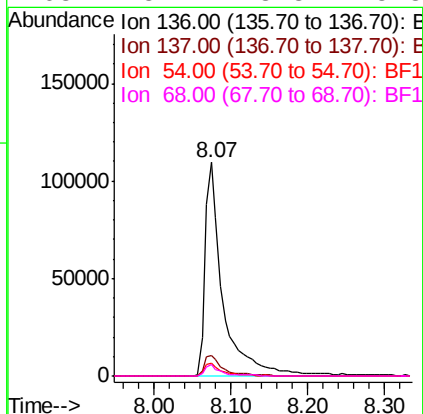
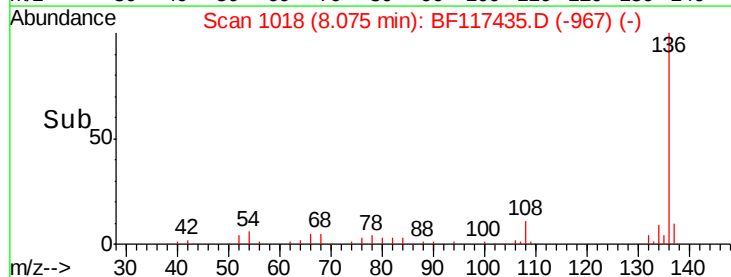
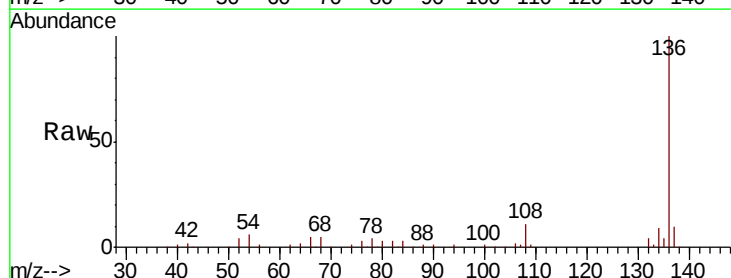
Instrument :
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ClientSampleId :
T-6-D1-D3-(0-46)

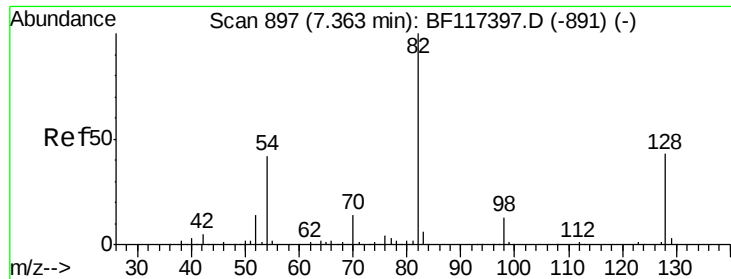
Tot Ion: 70 Resp: 43597
Ion Ratio Lower Upper
70 100
42 35.1 39.8 59.8#
101 0.0 8.1 12.1#
130 2.2 16.4 24.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BF117435.D
Acq: 17 Oct 2019 21:27

Tgt Ion:136 Resp: 177352
Ion Ratio Lower Upper
136 100
137 9.8 8.4 12.6
54 6.1 4.6 6.8
68 5.2 3.8 5.8

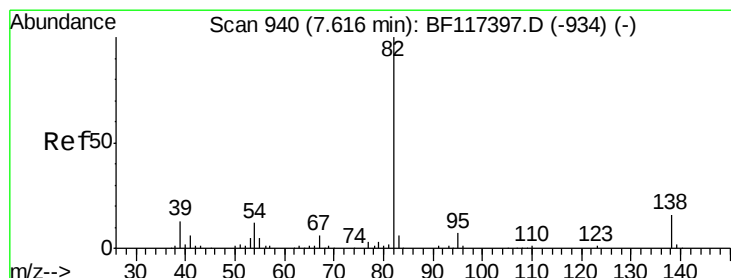
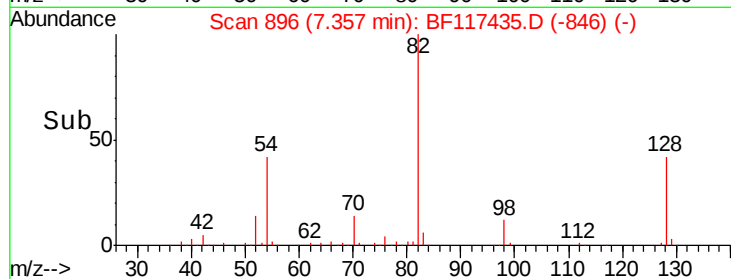
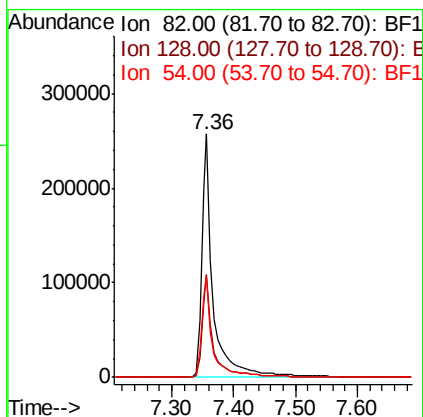
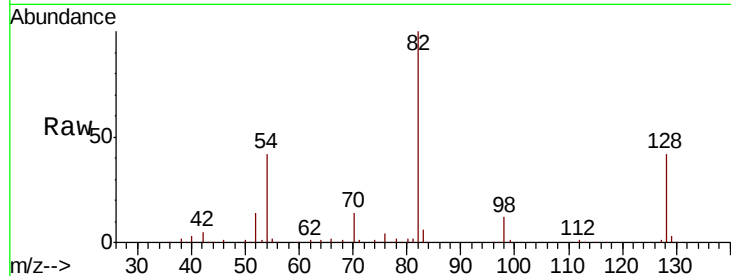




#23
Nitrobenzene-d5
Concen: 95.824 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF117435.D
Acq: 17 Oct 2019 21:27

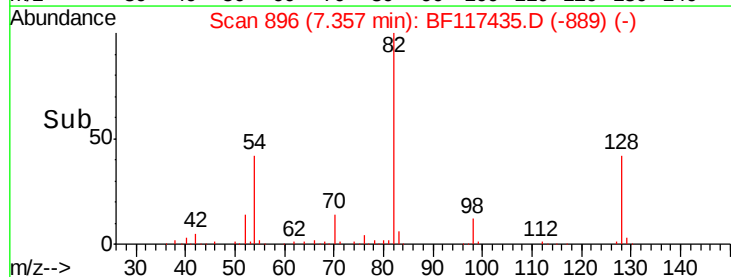
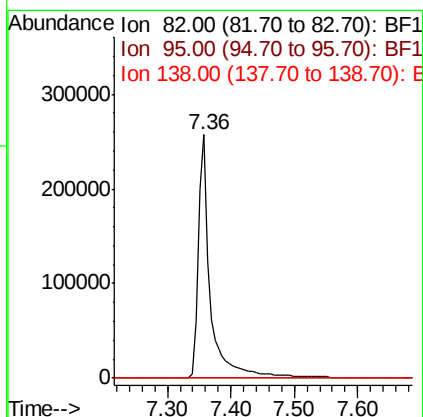
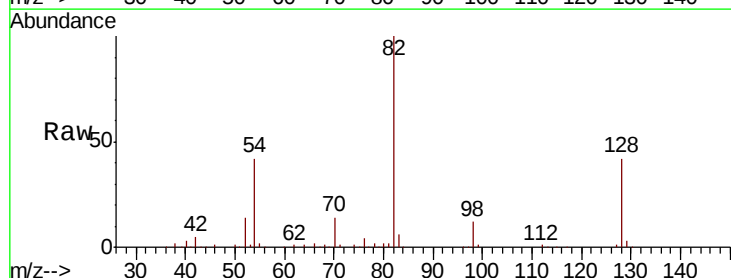
Instrument :
BNA_F
ClientSampleId :
T-6-D1-D3-(0-46)

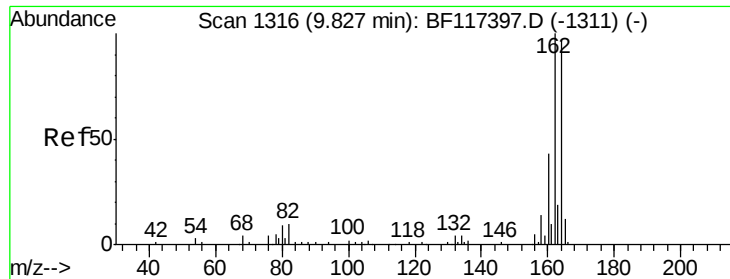
Tot Ion	82	Resp	335262
Ion Ratio	Lower	Upper	
82	100		
128	42.4	34.1	51.1
54	41.8	33.3	49.9



#25
Isophorone
Concen: 53.792 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.26 min
Lab File: BF117435.D
Acq: 17 Oct 2019 21:27

Tgt Ion	82	Resp	335259
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.4	8.0#
138	0.0	13.0	19.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF117435.D

Acq: 17 Oct 2019 21:27

Instrument :

BNA_F

ClientSampleId :

T-6-D1-D3-(0-46)

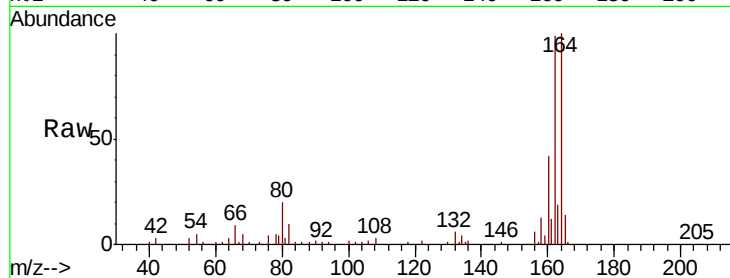
Tot Ion:164 Resp: 94808

Ion Ratio Lower Upper

164 100

162 99.4 82.4 123.6

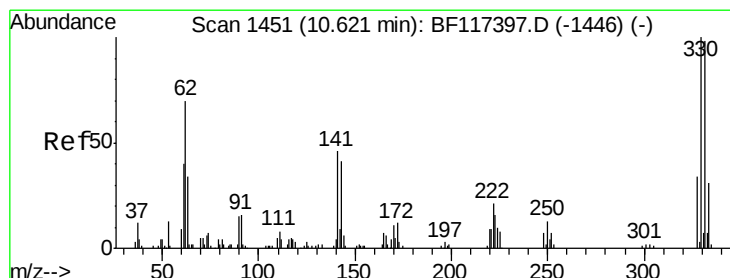
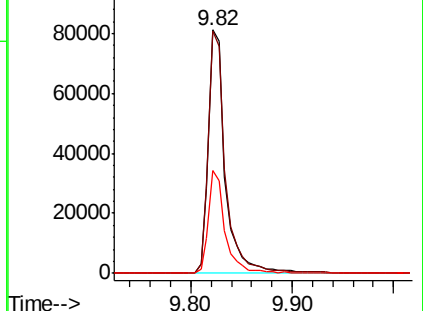
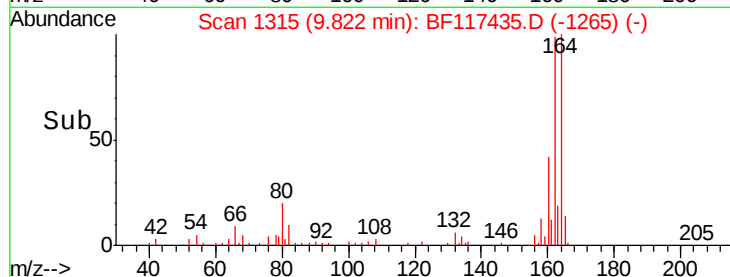
160 42.1 35.4 53.0



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: 162.506 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF117435.D

Acq: 17 Oct 2019 21:27

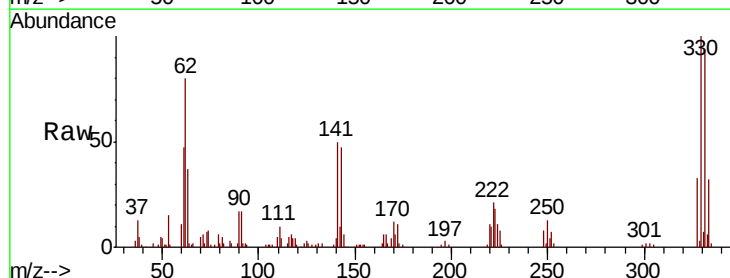
Tgt Ion:330 Resp: 125391

Ion Ratio Lower Upper

330 100

332 95.9 75.0 112.6

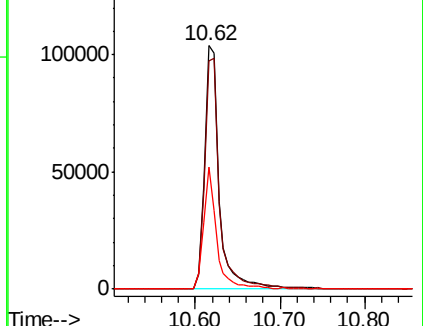
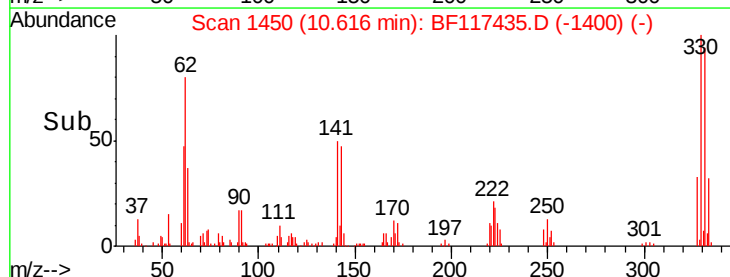
141 44.3 34.2 51.4

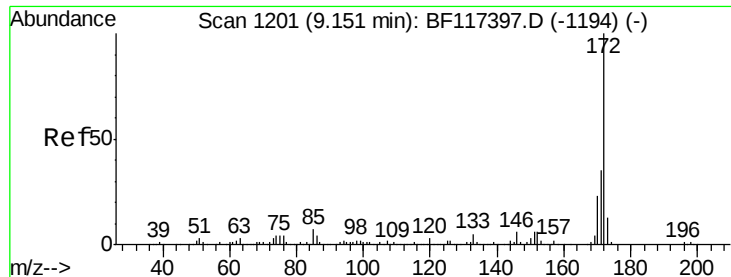


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

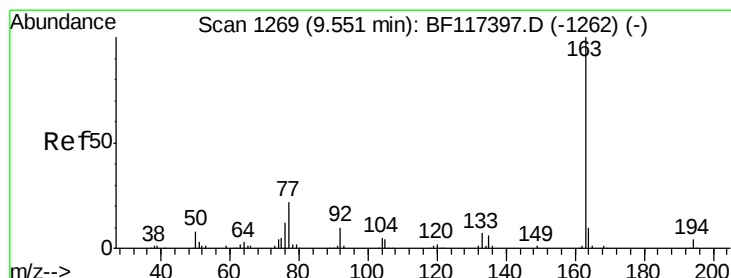
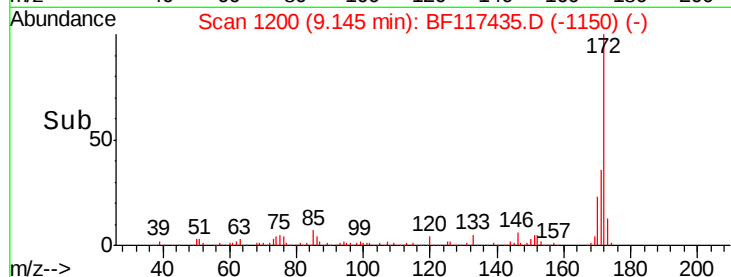
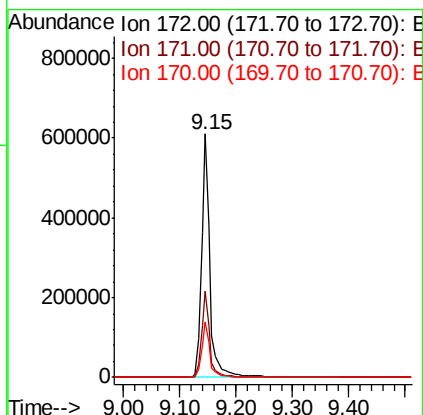
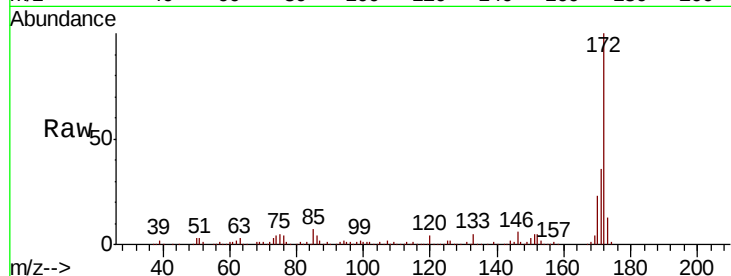




#45
2-Fluorobiphenyl
Concen: 96.215 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BF117435.D
Acq: 17 Oct 2019 21:27

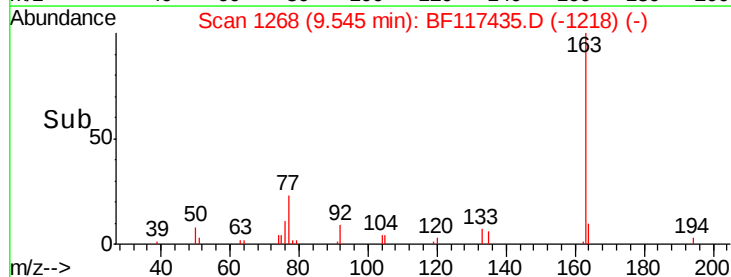
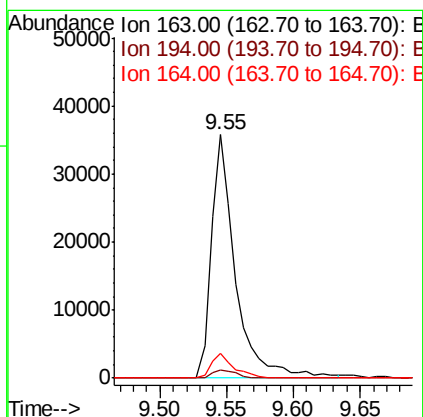
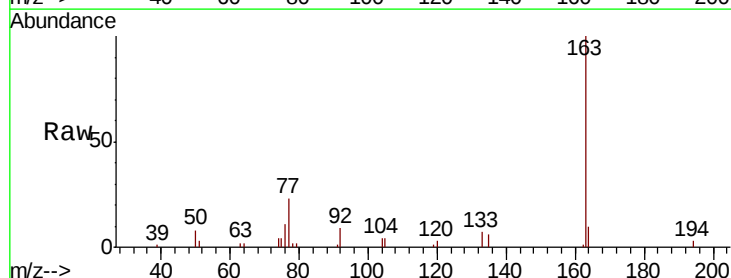
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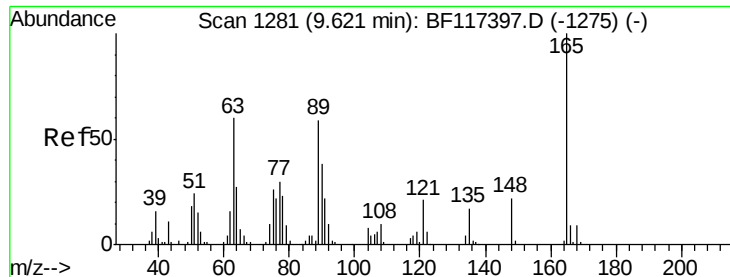
Tot Ion:172 Resp: 625703
Ion Ratio Lower Upper
172 100
171 35.6 28.2 42.2
170 23.0 18.2 27.2



#50
Dimethylphthalate
Concen: 6.649 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF117435.D
Acq: 17 Oct 2019 21:27

Tgt Ion:163 Resp: 45273
Ion Ratio Lower Upper
163 100
194 3.4 3.1 4.7
164 9.9 8.0 12.0

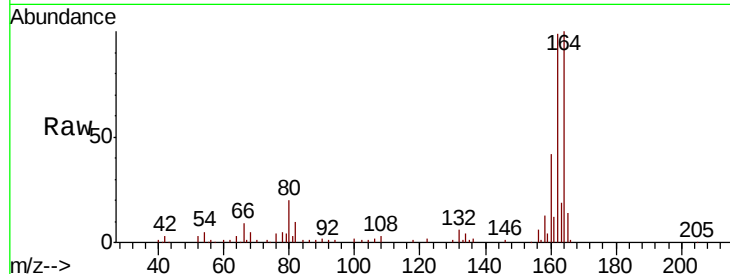




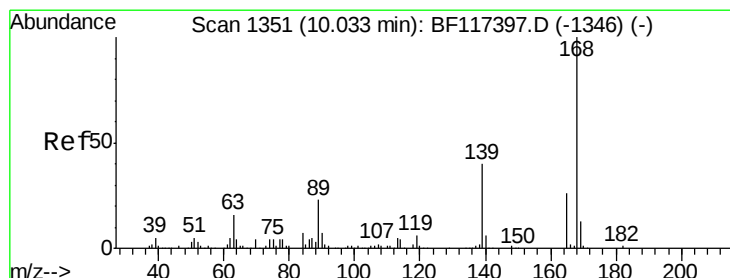
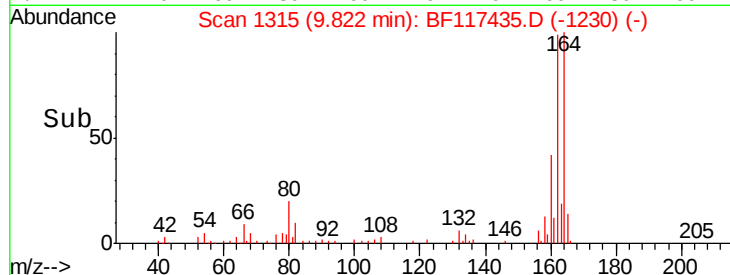
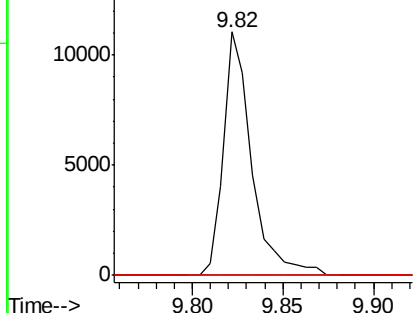
#51
 2,6-Dinitrotoluene
 Concen: 8.355 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. 0.20 min
 Lab File: BF117435.D
 Acq: 17 Oct 2019 21:27

Instrument :
 BNA_F
 ClientSampleId :
 T-6-D1-D3-(0-46)

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	47.8	71.6#
89	0.0	47.4	71.0#



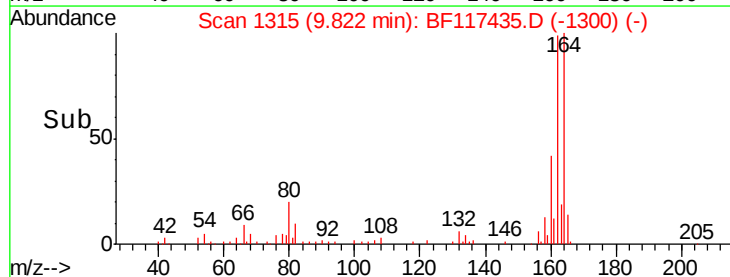
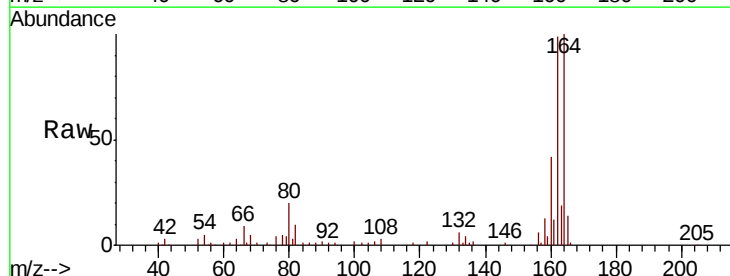
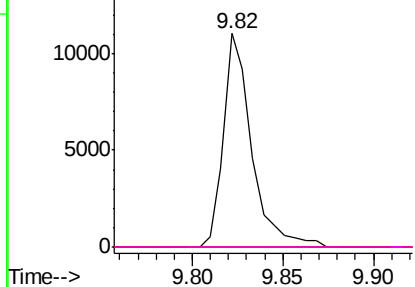
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

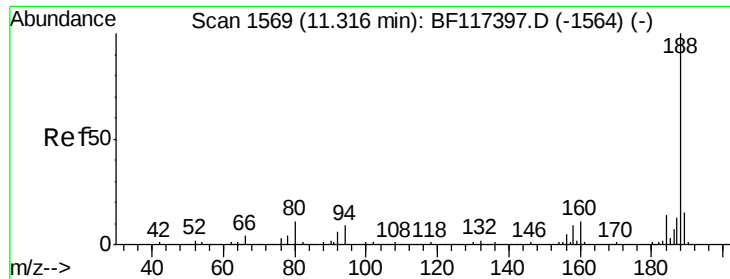


#57
 2,4-Dinitrotoluene
 Concen: 6.332 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.21 min
 Lab File: BF117435.D
 Acq: 17 Oct 2019 21:27

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	51.0	76.4#
89	0.0	70.7	106.1#
182	0.0	2.1	3.1#

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: 11.32 min Scan# 1569

Delta R.T. 0.00 min

Lab File: BF117435.D

Acq: 17 Oct 2019 21:27

Instrument :

BNA_F

ClientSampleId :

T-6-D1-D3-(0-46)

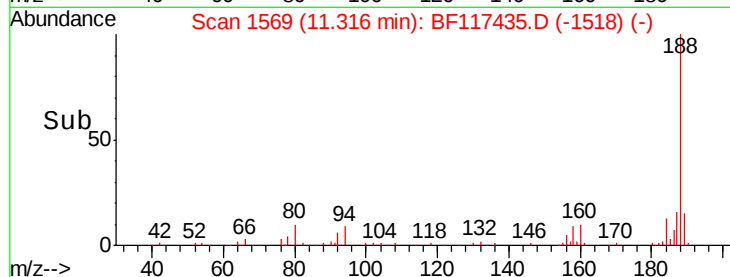
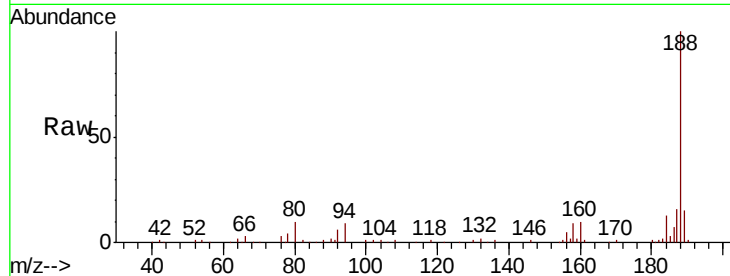
Tot Ion:188 Resp: 165120

Ion Ratio Lower Upper

188 100

94 9.0 7.5 11.3

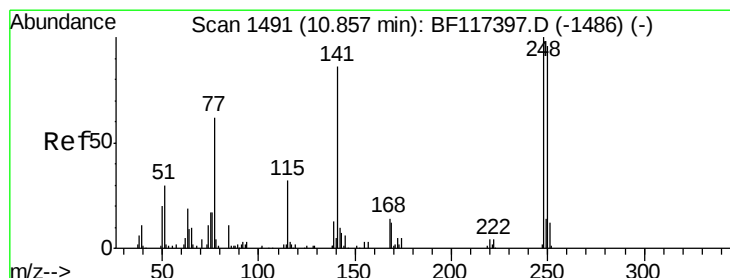
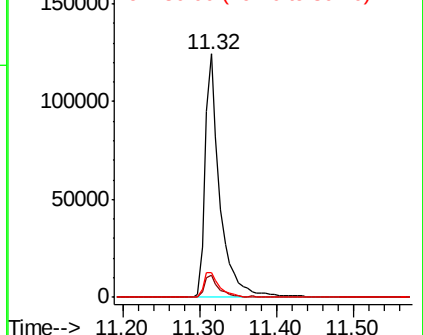
80 9.9 8.7 13.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#67

4-Bromophenyl-phenylether

Concen: 4.575 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.24 min

Lab File: BF117435.D

Acq: 17 Oct 2019 21:27

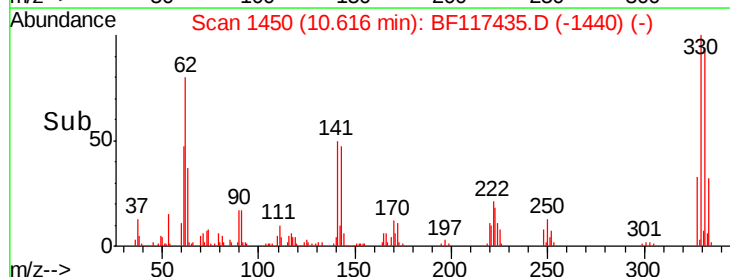
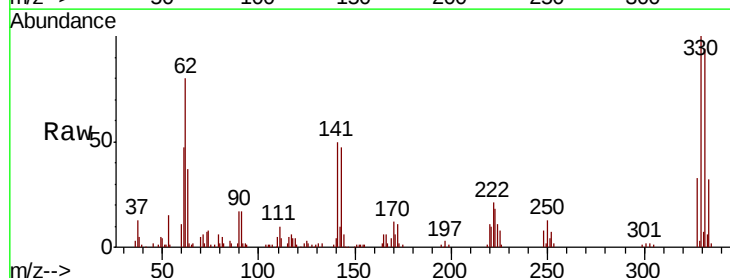
Tgt Ion:248 Resp: 8286

Ion Ratio Lower Upper

248 100

250 176.1 77.1 115.7#

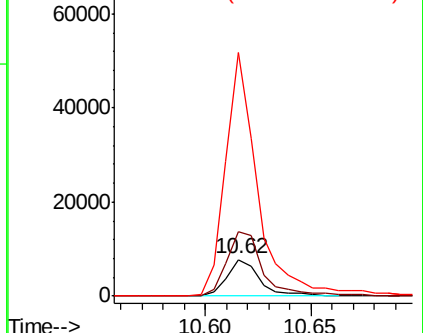
141 660.3 69.1 103.7#

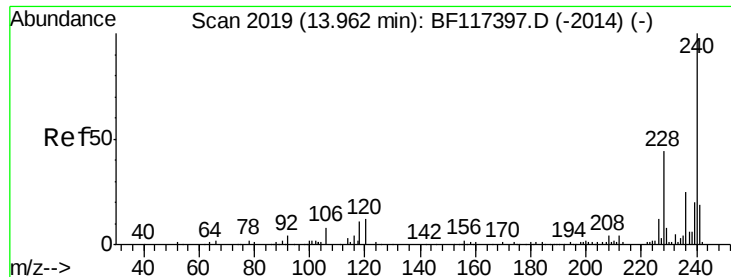


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

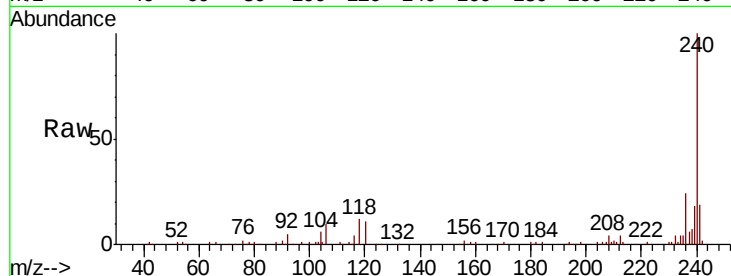




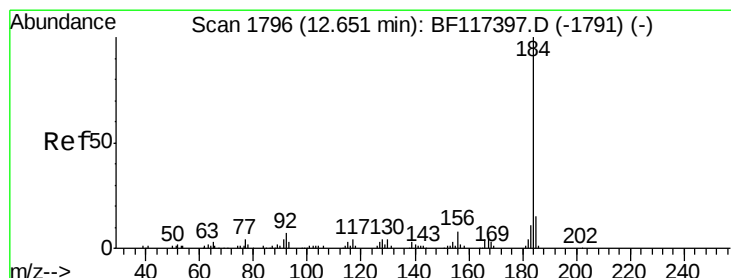
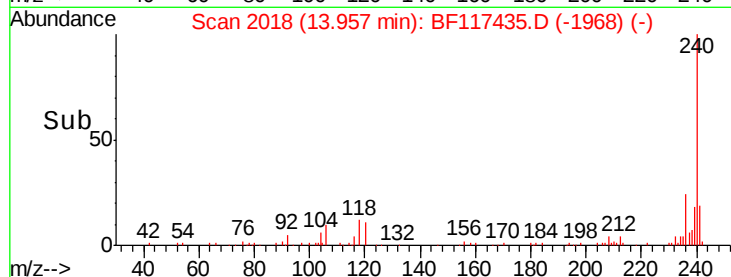
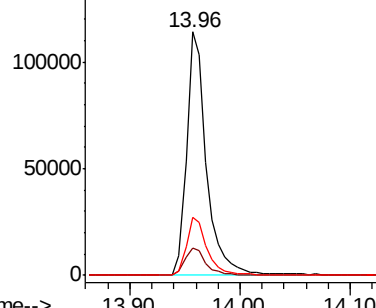
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF117435.D
Acq: 17 Oct 2019 21:27

Instrument :
BNA_F
ClientSampleId :
T-6-D1-D3-(0-46)

Tot Ion:240 Resp: 142290
Ion Ratio Lower Upper
240 100
120 11.0 9.4 14.0
236 23.7 19.8 29.6

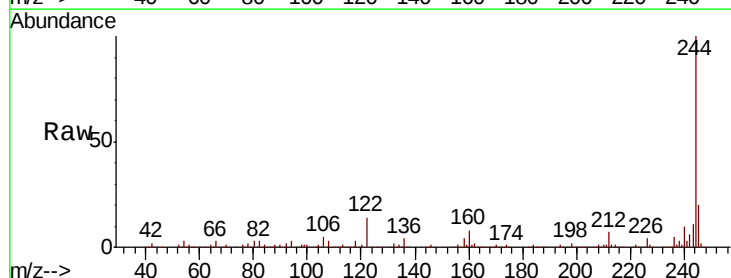


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

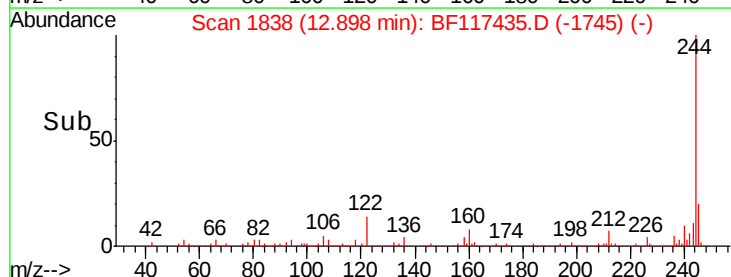
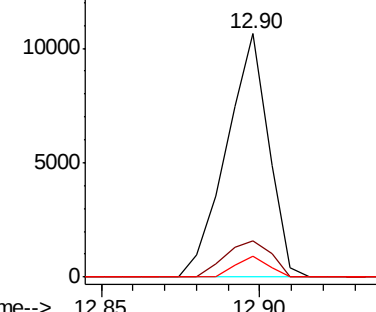


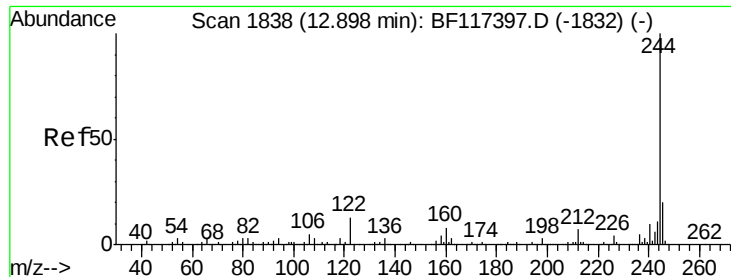
#77
Benzidine
Concen: 2.795 ng
RT: 12.90 min Scan# 1838
Delta R.T. 0.25 min
Lab File: BF117435.D
Acq: 17 Oct 2019 21:27

Tgt Ion:184 Resp: 9837
Ion Ratio Lower Upper
184 100
185 15.1 12.2 18.2
183 8.6 8.9 13.3#



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: 82.086 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF117435.D

Acq: 17 Oct 2019 21:27

Instrument :

BNA_F

ClientSampleId :

T-6-D1-D3-(0-46)

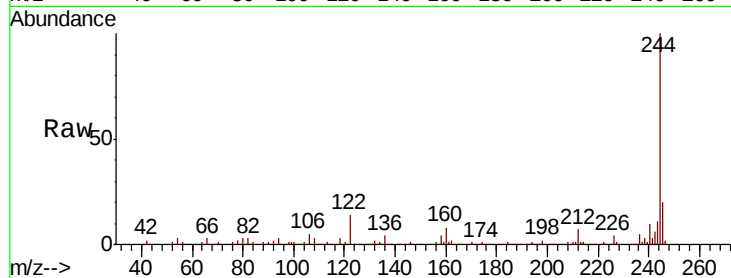
Tot Ion:244 Resp: 716490

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

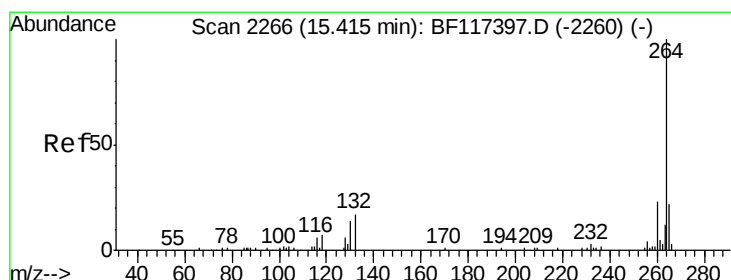
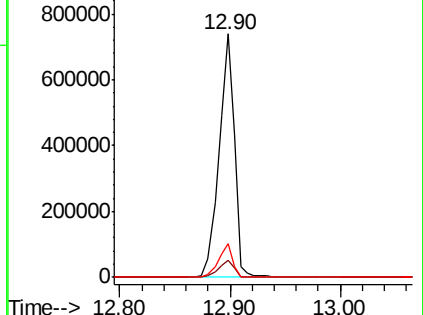
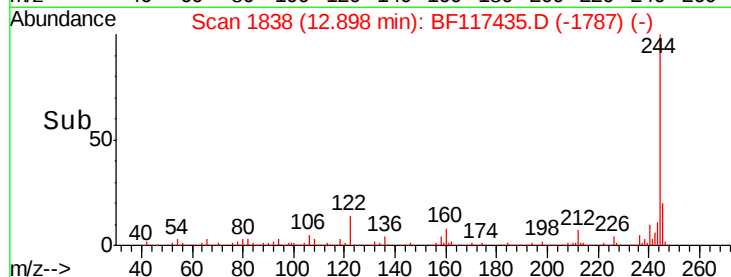
122 13.9 10.7 16.1



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: 15.41 min Scan# 2265

Delta R.T. -0.01 min

Lab File: BF117435.D

Acq: 17 Oct 2019 21:27

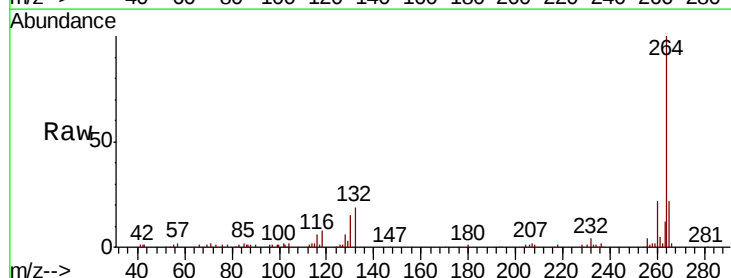
Tgt Ion:264 Resp: 141820

Ion Ratio Lower Upper

264 100

260 21.7 18.6 27.8

265 22.0 17.4 26.0



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

