

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101619\
 Data File : BF117415.D
 Acq On : 16 Oct 2019 16:00
 Operator : JU
 Sample : PB123985TB
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB123985TB

Quant Time: Oct 17 01:00:19 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	43983	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	177422	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	91042	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	163232	20.00	ng	0.00
76) Chrysene-d12	13.96	240	142407	20.00	ng	0.00
87) Perylene-d12	15.41	264	138103	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	334455	117.00	ng	0.00
7) Phenol-d6	6.44	99	431636	113.80	ng	0.00
23) Nitrobenzene-d5	7.36	82	298100	85.17	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	110819	149.56	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	552530	88.48	ng	0.00
79) Terphenyl-d14	12.90	244	651923	74.63	ng	0.00

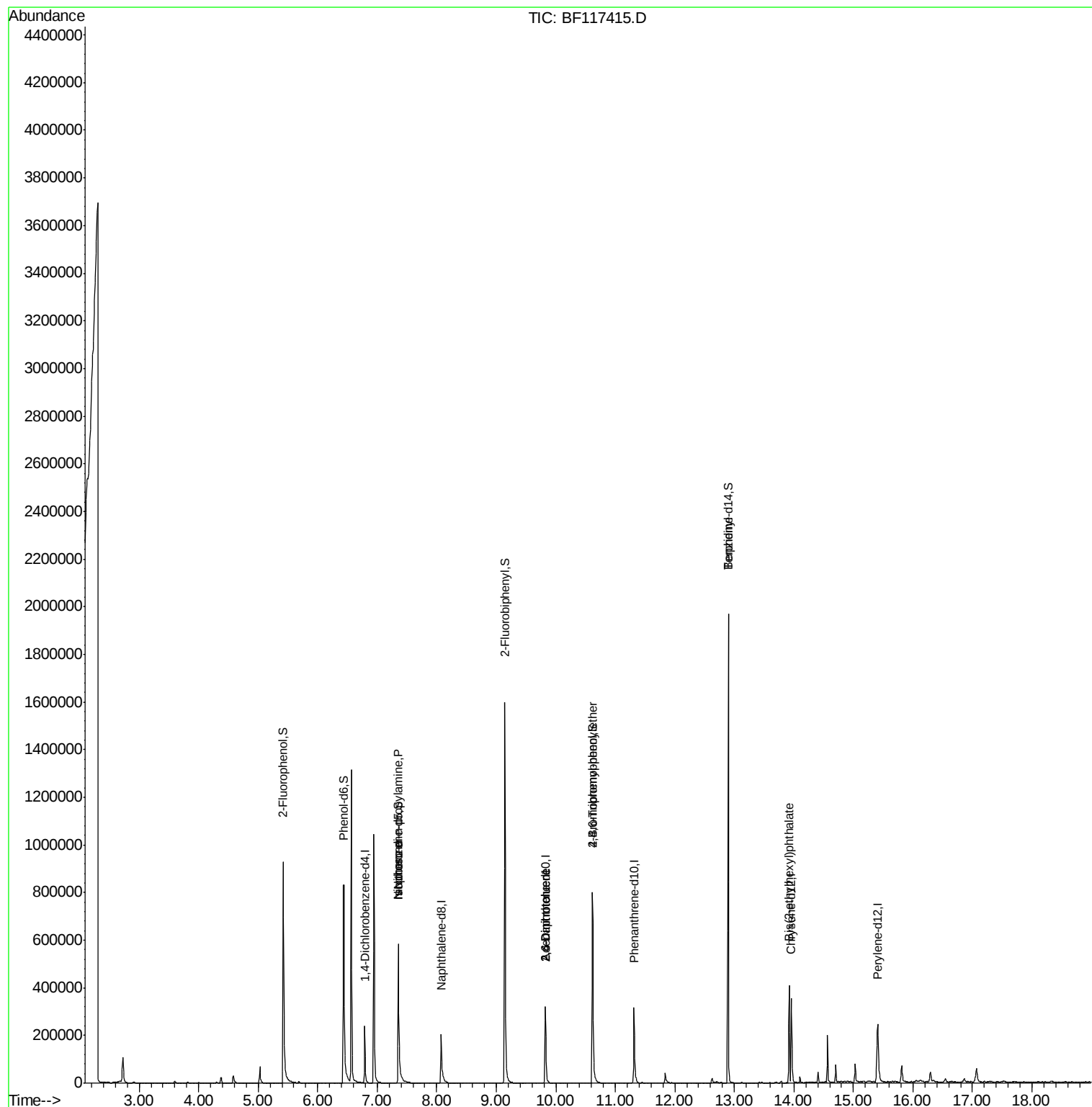
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.57	77	8659	Below Cal	#	77
19) n-Nitroso-di-n-propylamine	7.36	70	39372	16.281	ng	# 76
25) Isophorone	7.36	82	298098	47.811	ng	# 67
51) 2,6-Dinitrotoluene	9.83	165	11616	8.452	ng	# 21
57) 2,4-Dinitrotoluene	9.83	165	11616	6.406	ng	# 12
67) 4-Bromophenyl-phenylether	10.62	248	6894	3.851	ng	# 1
77) Benzidine	12.90	184	8532	2.422	ng	96
84) Bis(2-ethylhexyl)phthalate	13.92	149	109152	12.230	ng	97

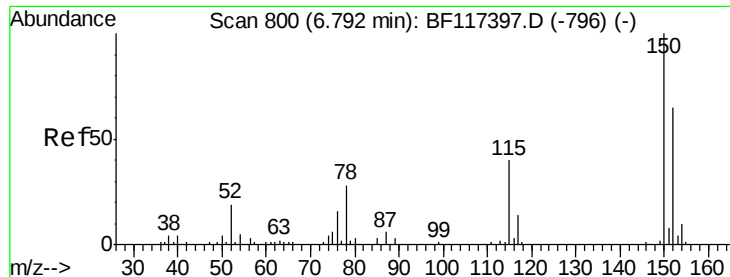
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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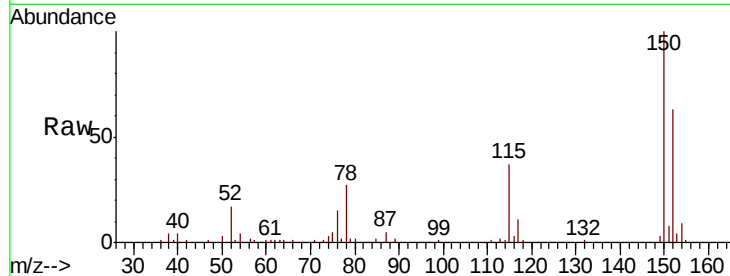


#1

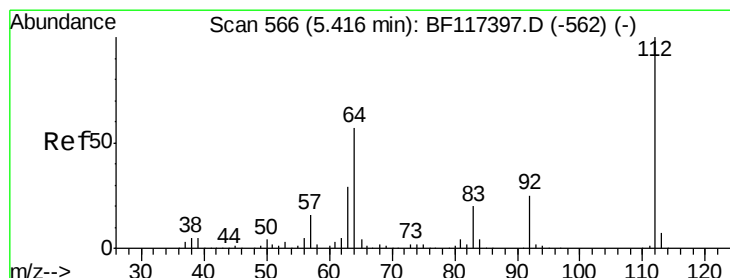
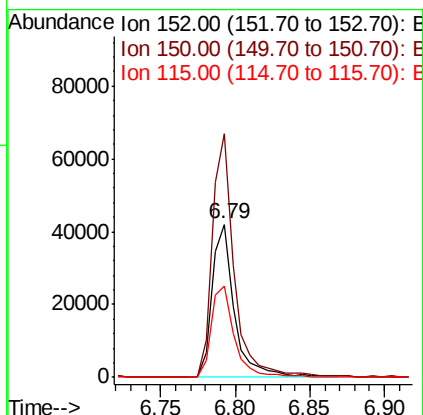
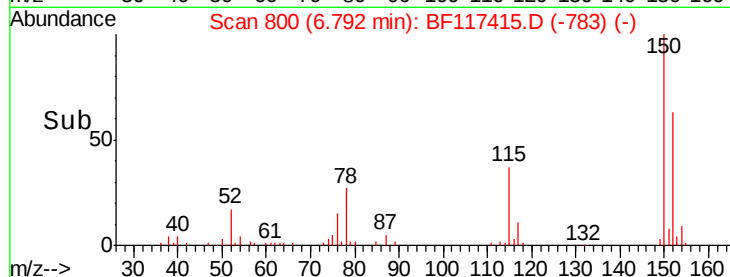
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF117415.D
Acq: 16 Oct 2019 16:00

Instrument :
BNA_F
ClientSampleId :
PB123985TB

Tot Ion:152 Resp: 43983
Ion Ratio Lower Upper
152 100
150 159.0 122.7 184.1
115 59.5 48.6 73.0



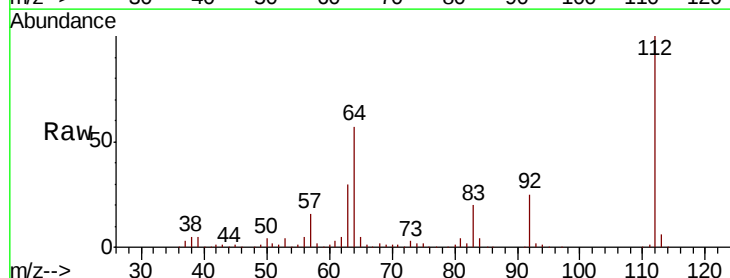
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



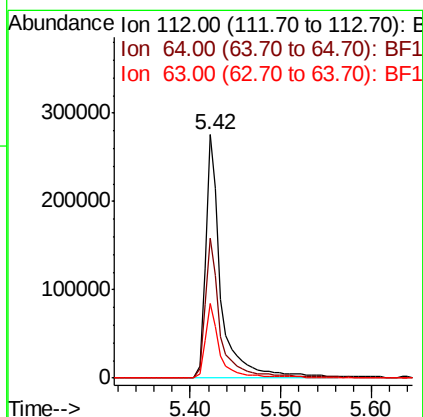
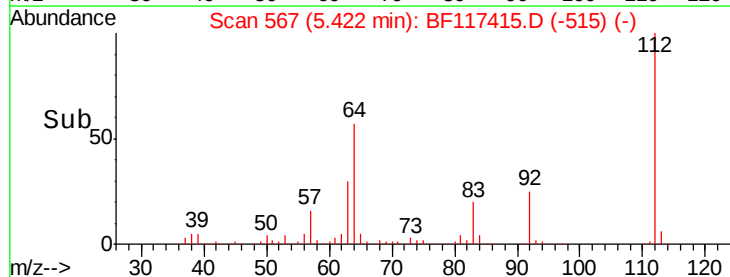
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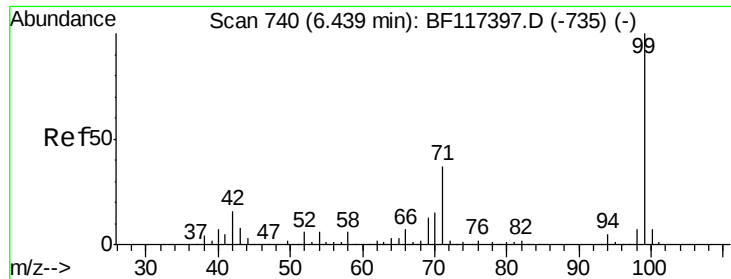
2-Fluorophenol
Concen: 117.000 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF117415.D
Acq: 16 Oct 2019 16:00

Tgt Ion:112 Resp: 334455
Ion Ratio Lower Upper
112 100
64 57.5 45.2 67.8
63 30.5 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: 113.804 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF117415.D

Acq: 16 Oct 2019 16:00

Instrument :

BNA_F

ClientSampleId :

PB123985TB

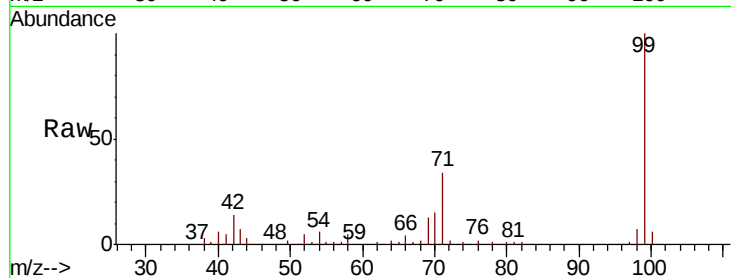
Tot Ion: 99 Resp: 431636

Ion Ratio Lower Upper

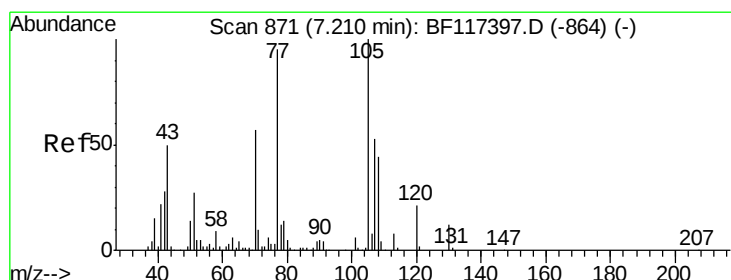
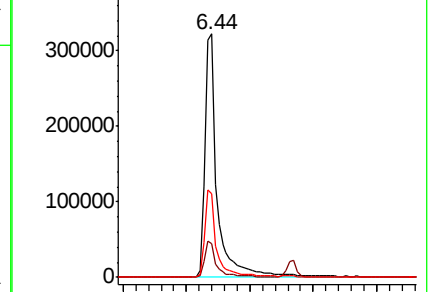
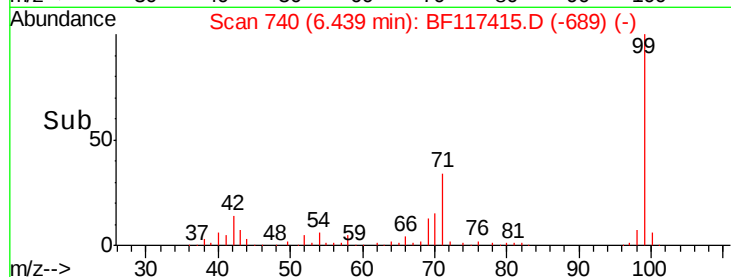
99 100

42 13.8 12.5 18.7

71 34.4 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



#19

n-Nitroso-di-n-propylamine

Concen: 16.281 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

Lab File: BF117415.D

Acq: 16 Oct 2019 16:00

Tgt Ion: 70 Resp: 39372

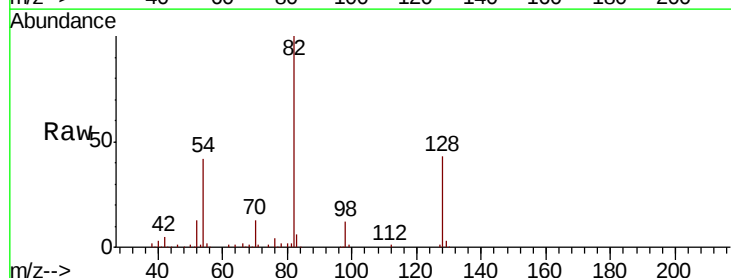
Ion Ratio Lower Upper

70 100

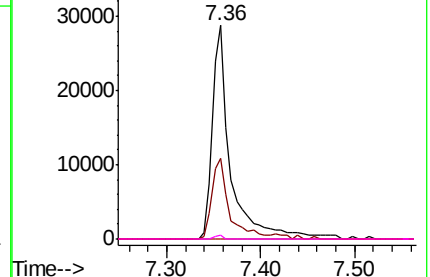
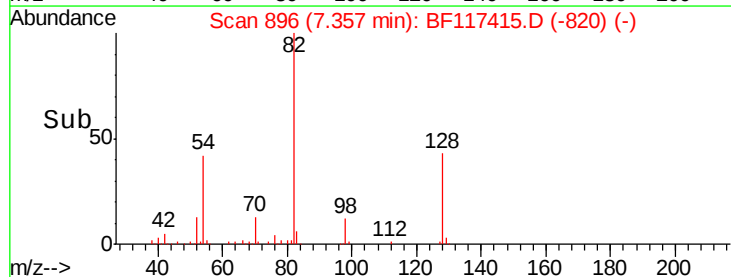
42 38.0 39.8 59.8#

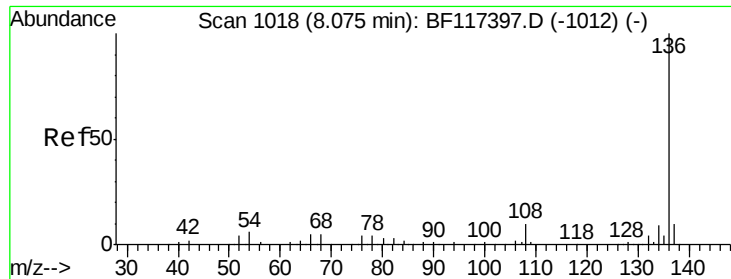
101 0.0 8.1 12.1#

130 2.0 16.4 24.6#



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



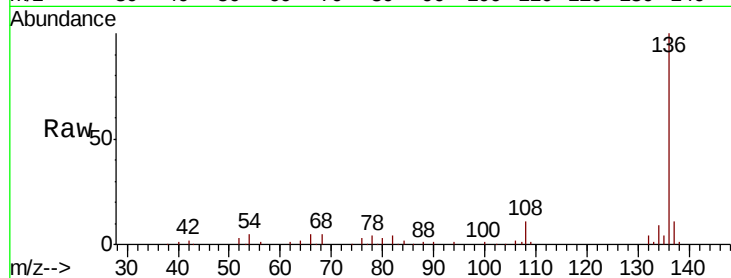


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BF117415.D
Acq: 16 Oct 2019 16:00

Instrument :
BNA_F
ClientSampleId :
PB123985TB

Tot Ion:136 Resp: 177422

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.4	12.6
54	5.3	4.6	6.8
68	4.6	3.8	5.8



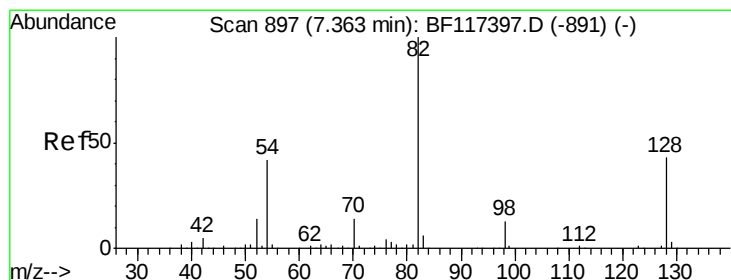
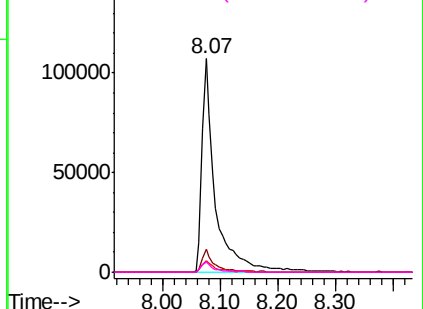
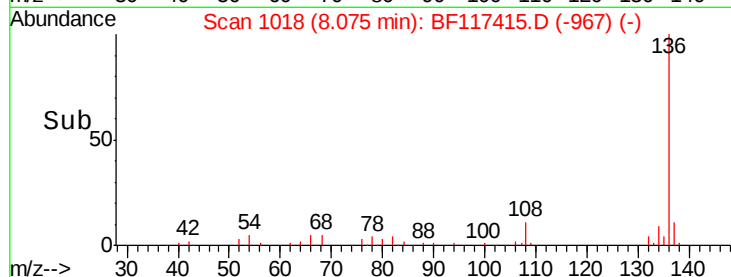
Abundance

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

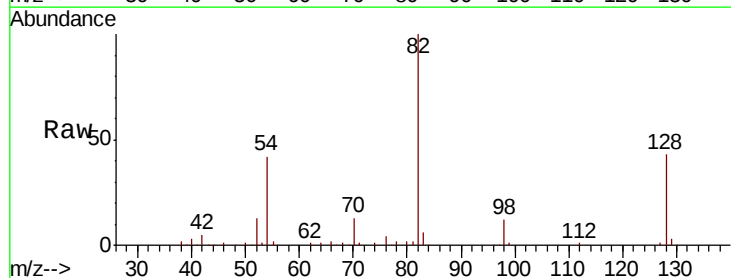
Ion 68.00 (67.70 to 68.70): BF1



#23
Nitrobenzene-d5
Concen: 85.169 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF117415.D
Acq: 16 Oct 2019 16:00

Tgt Ion: 82 Resp: 298100

Ion	Ratio	Lower	Upper
82	100		
128	43.4	34.1	51.1
54	41.8	33.3	49.9

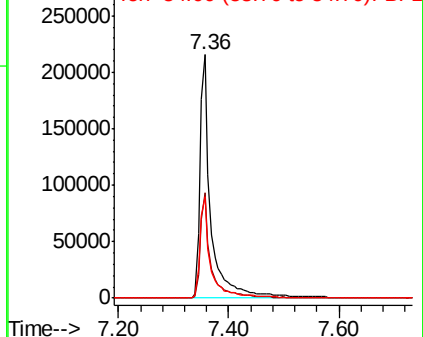
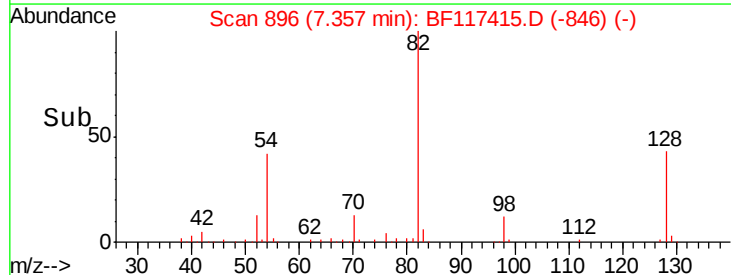


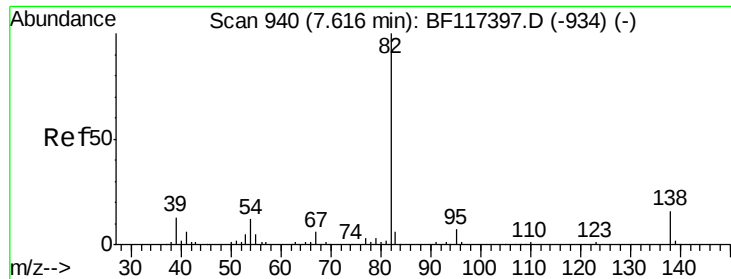
Abundance

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: 47.811 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF117415.D

Acq: 16 Oct 2019 16:00

Instrument :

BNA_F

ClientSampleId :

PB123985TB

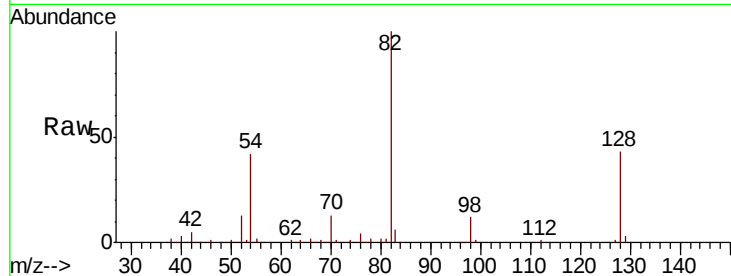
Tot Ion: 82 Resp: 298098

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

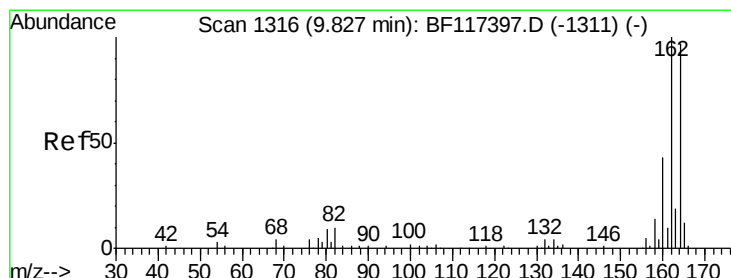
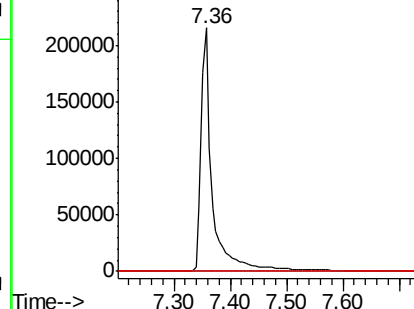
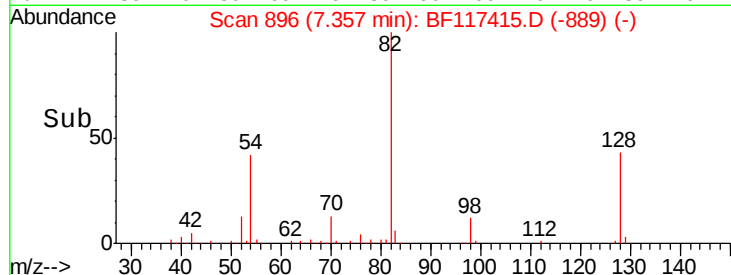
138 0.0 13.0 19.4#



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: 9.83 min Scan# 1316

Delta R.T. 0.00 min

Lab File: BF117415.D

Acq: 16 Oct 2019 16:00

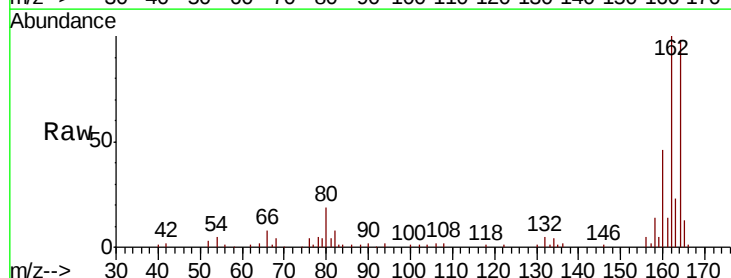
Tgt Ion:164 Resp: 91042

Ion Ratio Lower Upper

164 100

162 101.9 82.4 123.6

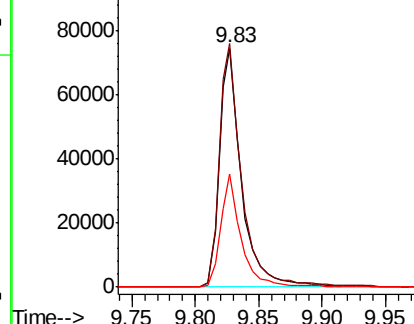
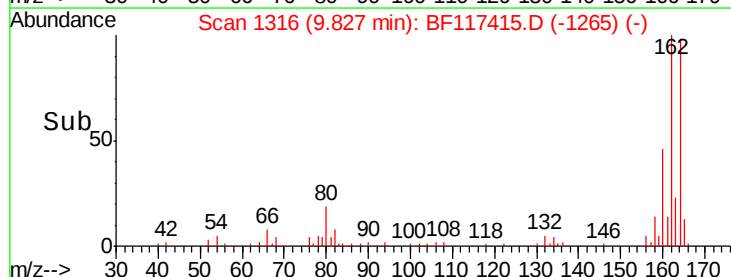
160 47.1 35.4 53.0

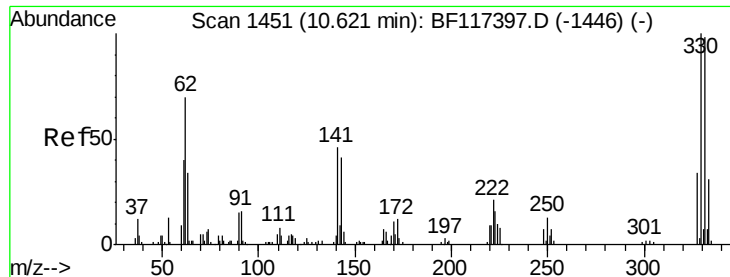


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

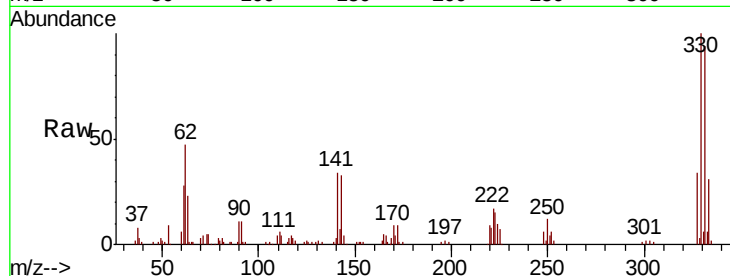




#42
 2,4,6-Tribromophenol
 Concen: 149.561 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. 0.00 min
 Lab File: BF117415.D
 Acq: 16 Oct 2019 16:00

Instrument :
 BNA_F
 ClientSampleId :
 PB123985TB

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	75.0	112.6
141	44.0	34.2	51.4

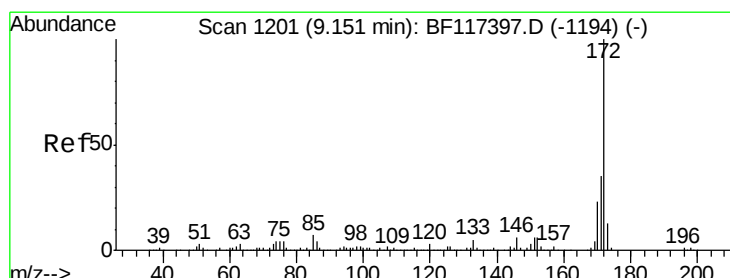
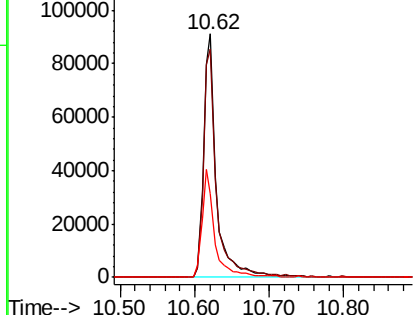
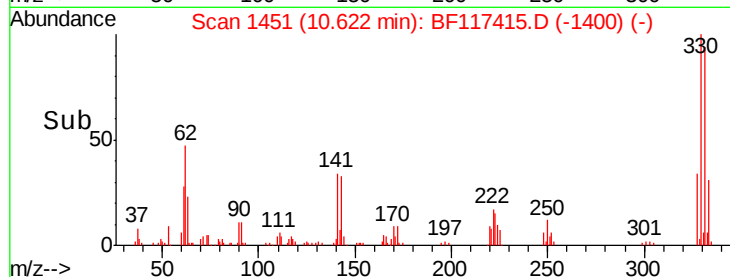


Abundance

Ion 329.80 (329.50 to 330.50): E

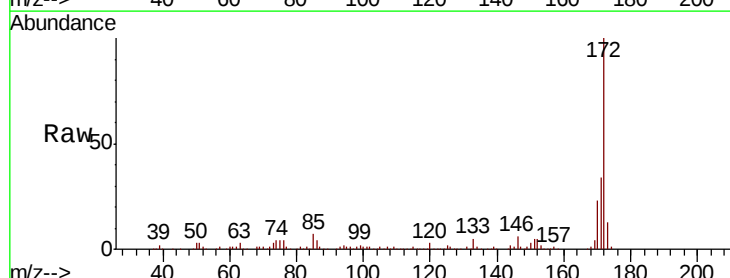
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 88.478 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF117415.D
 Acq: 16 Oct 2019 16:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.0	28.2	42.2
170	23.1	18.2	27.2

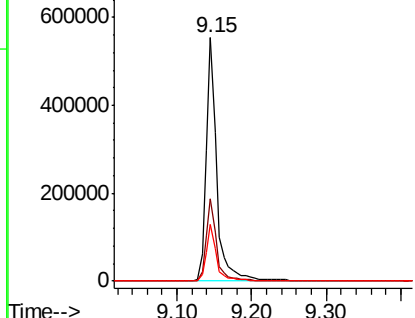
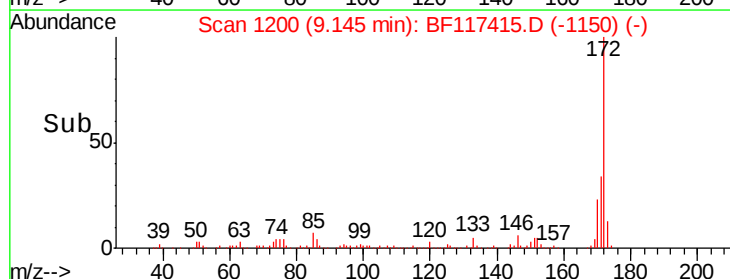


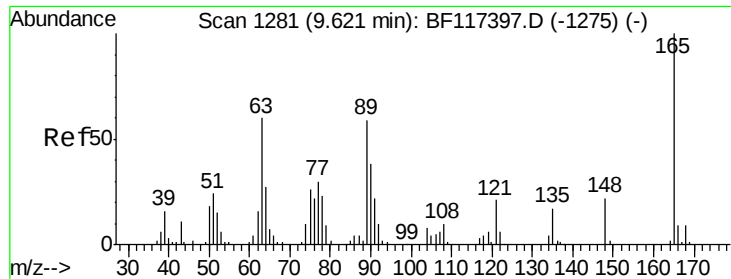
Abundance

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

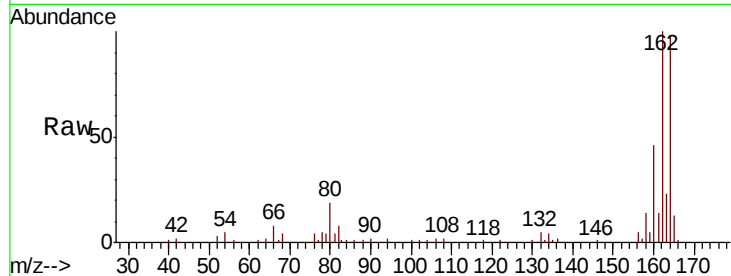




#51
 2,6-Dinitrotoluene
 Concen: 8.452 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. 0.21 min
 Lab File: BF117415.D
 Acq: 16 Oct 2019 16:00

Instrument :
 BNA_F
 ClientSampleId :
 PB123985TB

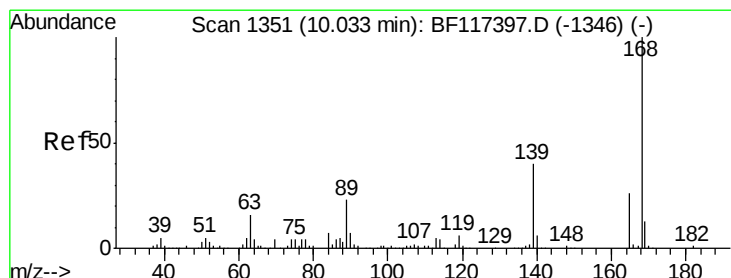
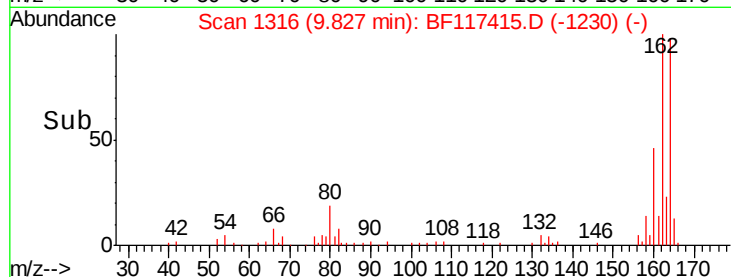
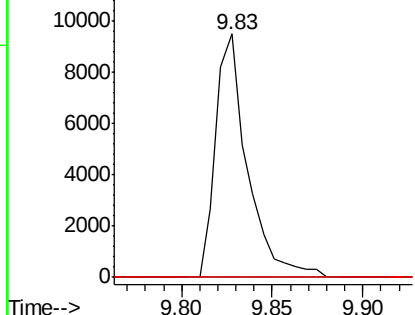
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	47.8	71.6#
89	0.0	47.4	71.0#



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: 6.406 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.21 min
 Lab File: BF117415.D
 Acq: 16 Oct 2019 16:00

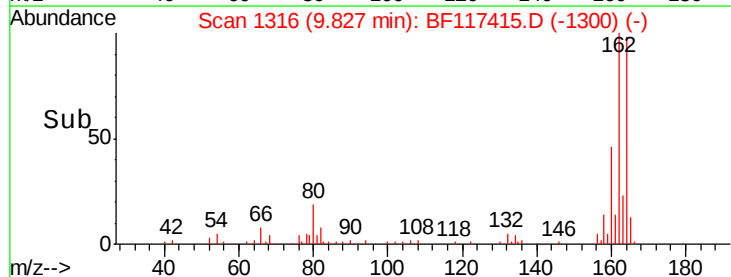
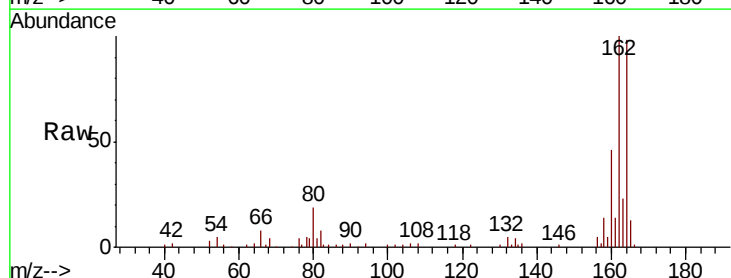
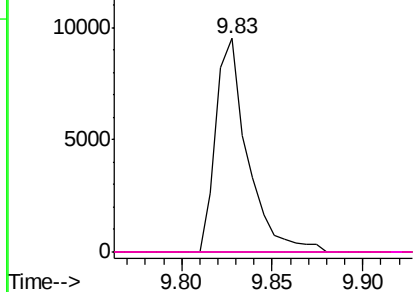
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	51.0	76.4#
89	0.0	70.7	106.1#
182	0.0	2.1	3.1#

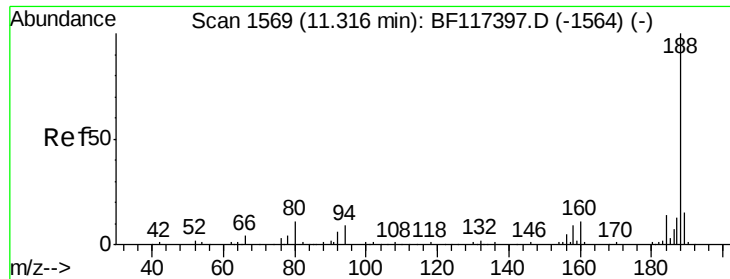
Abundance Ion 165.00 (164.70 to 165.70): E

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

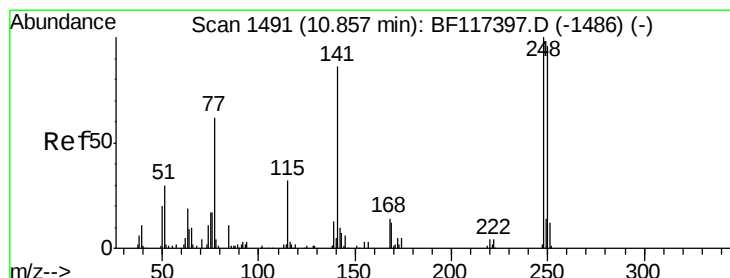
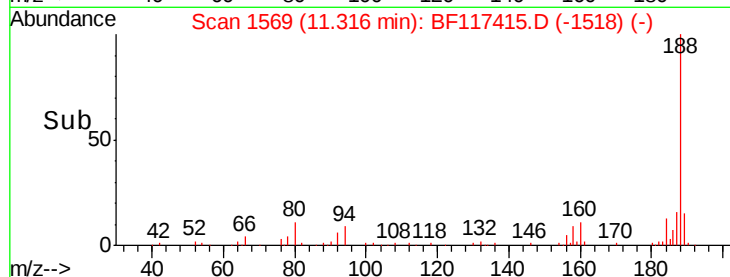
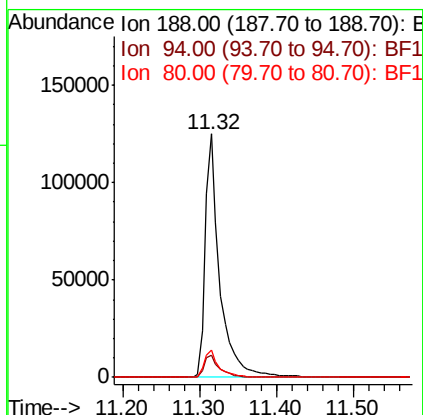
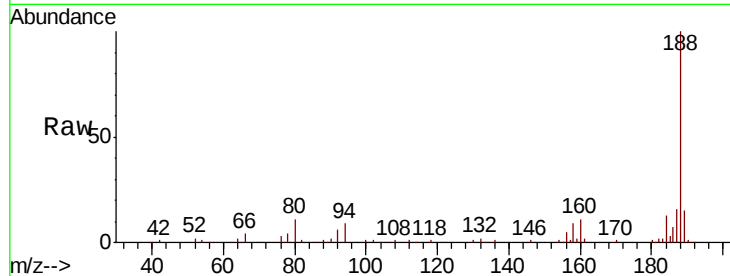




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: BF117415.D
 Acq: 16 Oct 2019 16:00

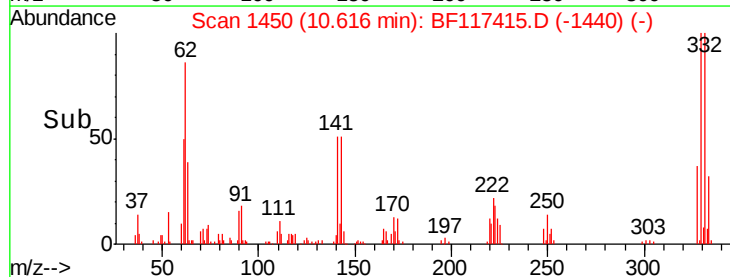
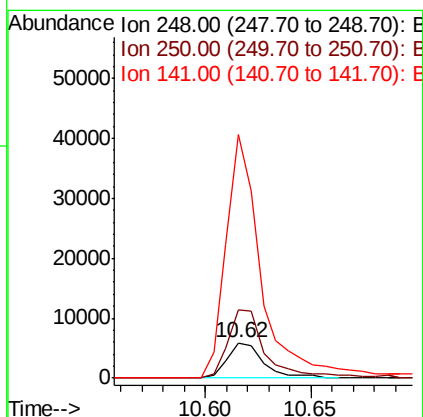
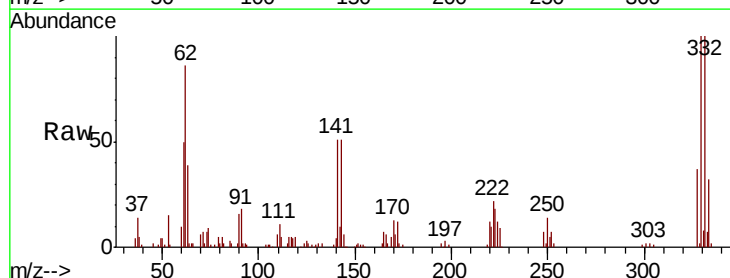
Instrument :
 BNA_F
 ClientSampleId :
 PB123985TB

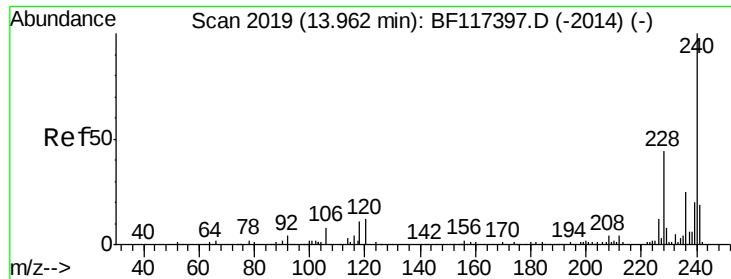
Tot Ion:188 Resp: 163232
 Ion Ratio Lower Upper
 188 100
 94 9.2 7.5 11.3
 80 11.2 8.7 13.1



#67
 4-Bromophenyl-phenylether
 Concen: 3.851 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.24 min
 Lab File: BF117415.D
 Acq: 16 Oct 2019 16:00

Tgt Ion:248 Resp: 6894
 Ion Ratio Lower Upper
 248 100
 250 195.3 77.1 115.7#
 141 693.6 69.1 103.7#

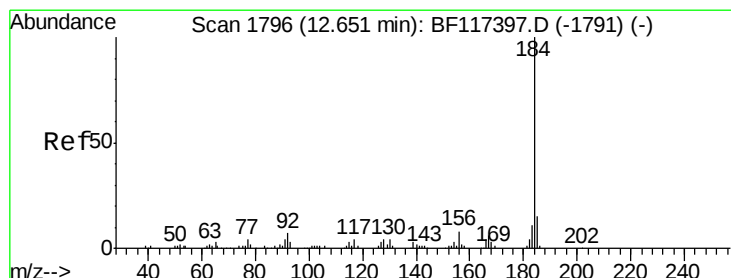
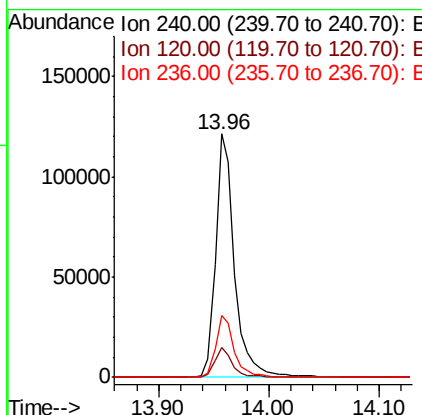
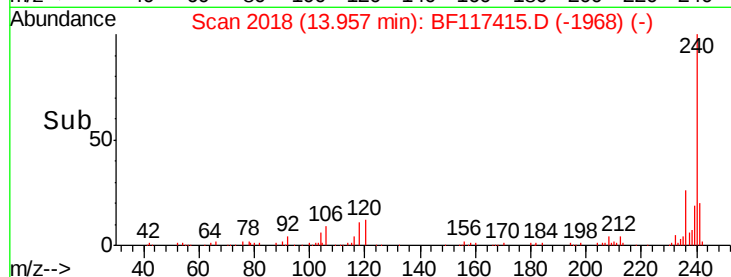
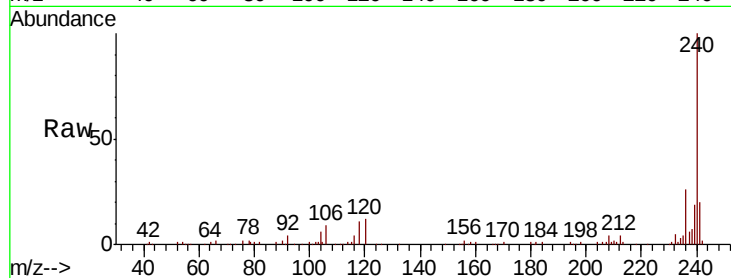




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF117415.D
Acq: 16 Oct 2019 16:00

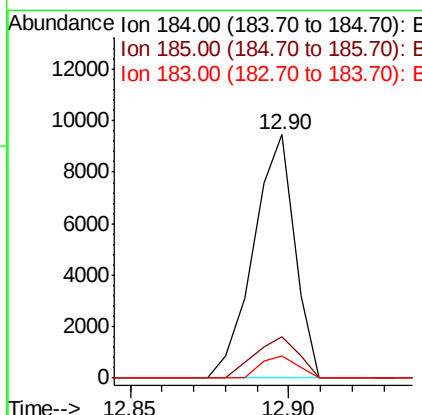
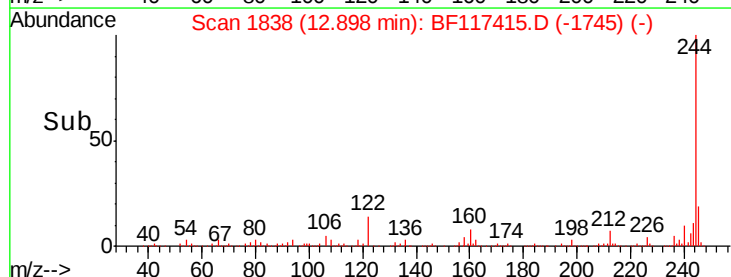
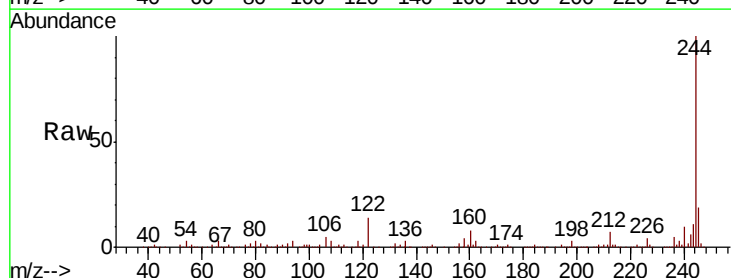
Instrument :
BNA_F
ClientSampleId :
PB123985TB

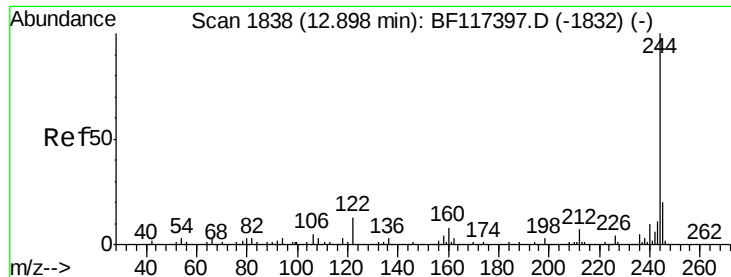
Tot Ion:240 Resp: 142407
Ion Ratio Lower Upper
240 100
120 12.4 9.4 14.0
236 25.5 19.8 29.6



#77
Benzidine
Concen: 2.422 ng
RT: 12.90 min Scan# 1838
Delta R.T. 0.25 min
Lab File: BF117415.D
Acq: 16 Oct 2019 16:00

Tgt Ion:184 Resp: 8532
Ion Ratio Lower Upper
184 100
185 16.8 12.2 18.2
183 9.3 8.9 13.3





#79

Terphenyl-d14

Concen: 74.627 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF117415.D

Acq: 16 Oct 2019 16:00

Instrument :

BNA_F

ClientSampleId :

PB123985TB

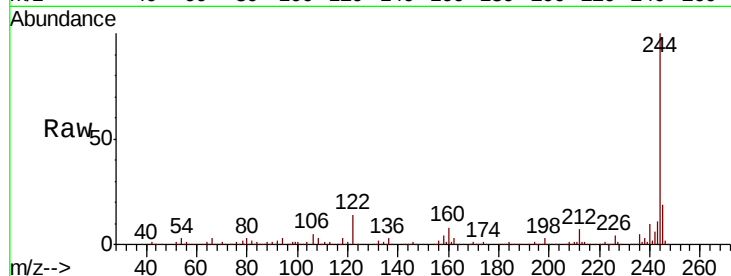
Tot Ion:244 Resp: 651923

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

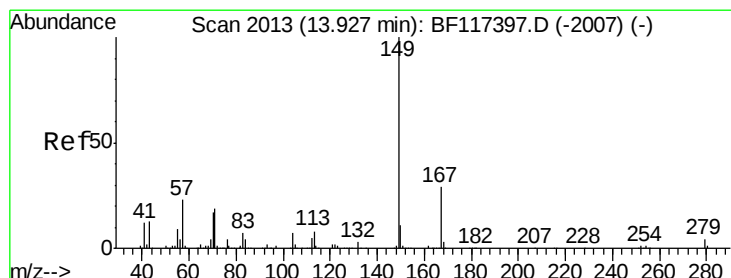
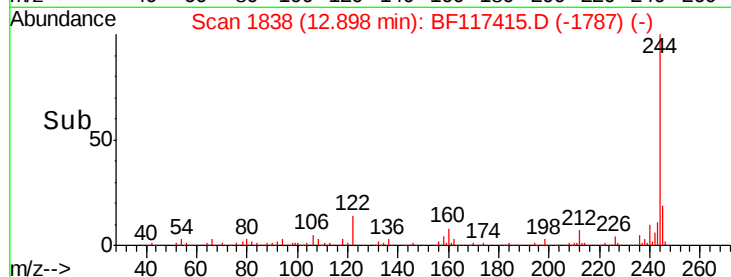
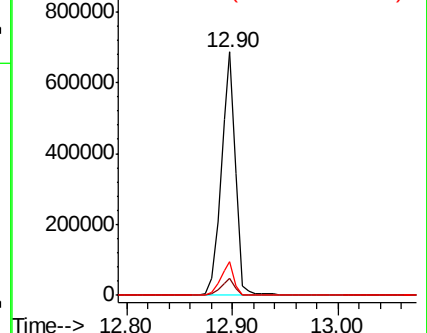
122 13.7 10.7 16.1



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 12.230 ng

RT: 13.92 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF117415.D

Acq: 16 Oct 2019 16:00

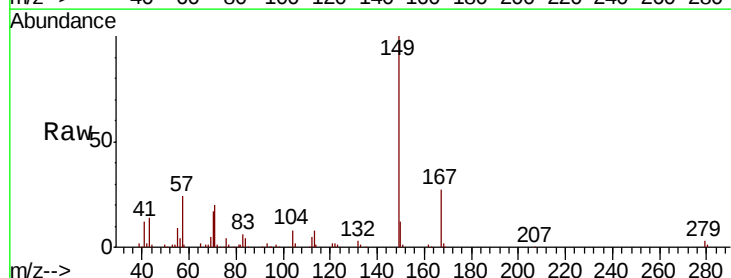
Tgt Ion:149 Resp: 109152

Ion Ratio Lower Upper

149 100

167 27.4 23.0 34.6

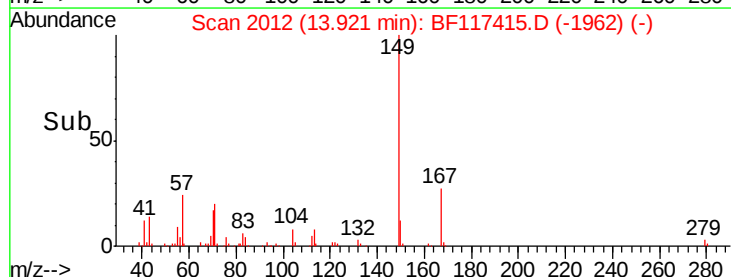
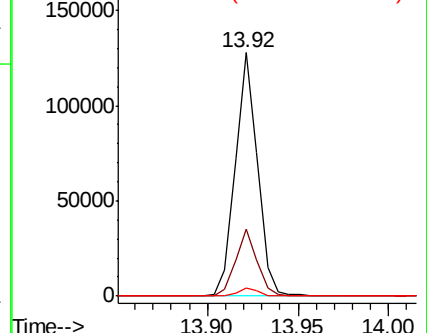
279 3.3 3.0 4.6

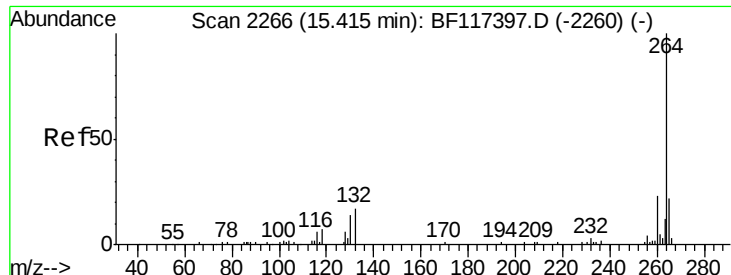


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.41 min Scan# 2265
 Delta R.T. -0.01 min
 Lab File: BF117415.D
 Acq: 16 Oct 2019 16:00

Instrument :
 BNA_F
 ClientSampleId :
 PB123985TB

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.6	27.8
265	20.9	17.4	26.0

