

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101719\
 Data File : BF117432.D
 Acq On : 17 Oct 2019 20:06
 Operator : JU
 Sample : K5394-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T-17-F1-(0-30)

Quant Time: Oct 18 03:55:54 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	43072	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	170941	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	90967	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	159836	20.00	ng	0.00
76) Chrysene-d12	13.96	240	134226	20.00	ng	0.00
87) Perylene-d12	15.42	264	130800	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	341578	122.02	ng	0.01
7) Phenol-d6	6.44	99	439393	118.30	ng	0.00
23) Nitrobenzene-d5	7.36	82	292134	86.63	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	107702	145.47	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	537360	86.12	ng	0.00
79) Terphenyl-d14	12.90	244	621429	75.47	ng	0.00

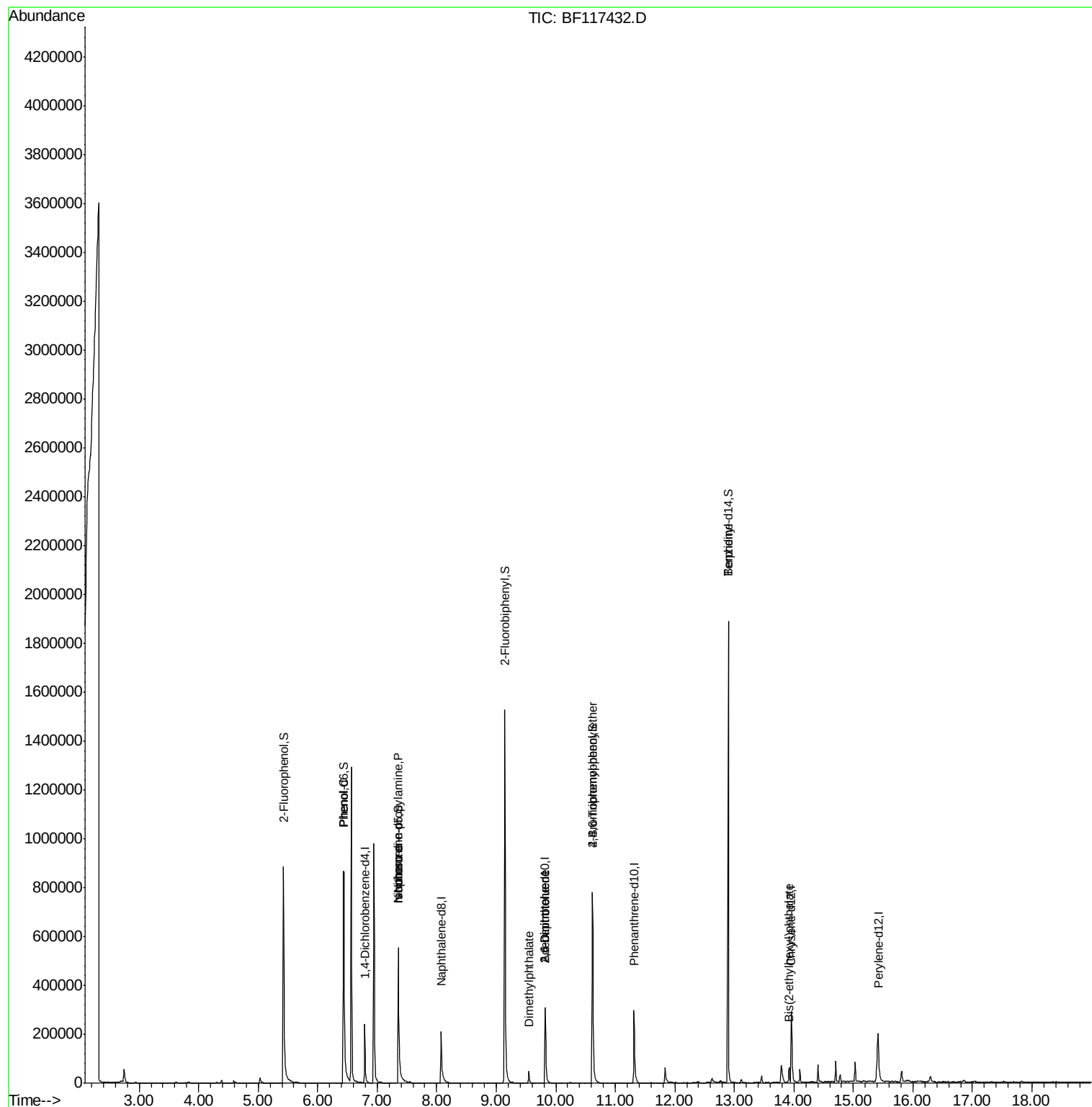
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.44	77	431	Below Cal		# 1
10) Phenol	6.45	94	8953	2.233	ng	# 41
19) n-Nitroso-di-n-propylamine	7.36	70	35521	14.999	ng	# 79
25) Isophorone	7.36	82	292133	48.630	ng	# 67
50) Dimethylphthalate	9.55	163	29706	4.547	ng	# 98
51) 2,6-Dinitrotoluene	9.82	165	11620	8.462	ng	# 21
57) 2,4-Dinitrotoluene	9.82	165	11620	6.413	ng	# 12
67) 4-Bromophenyl-phenylether	10.62	248	6887	3.928	ng	# 1
77) Benzidine	12.90	184	8325	2.508	ng	# 98
84) Bis(2-ethylhexyl)phthalate	13.92	149	17870	2.124	ng	# 97

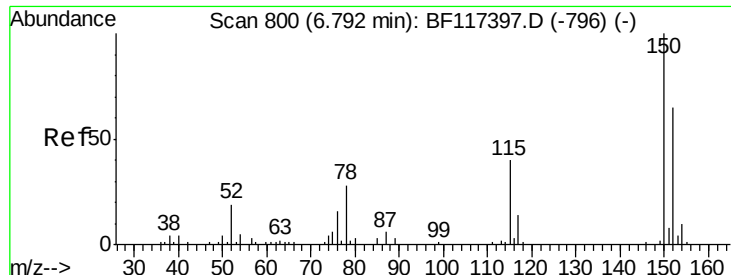
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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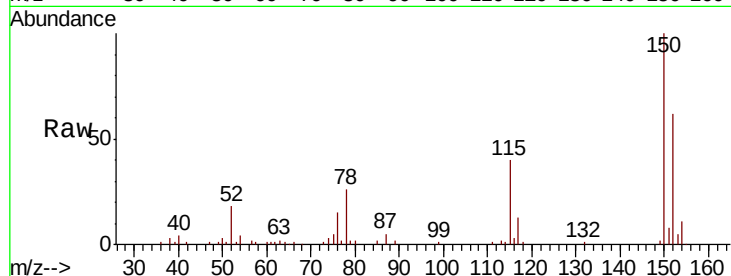


#1

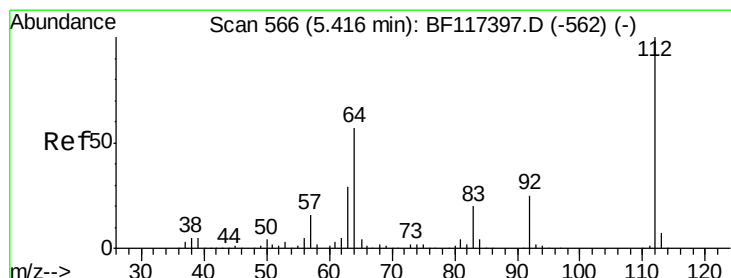
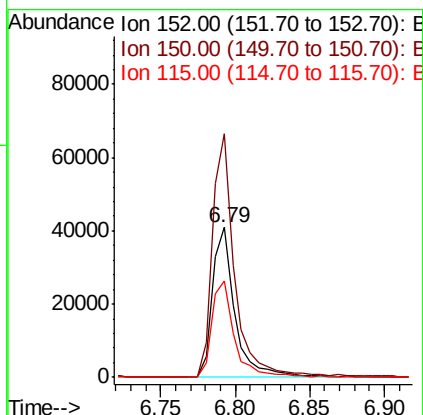
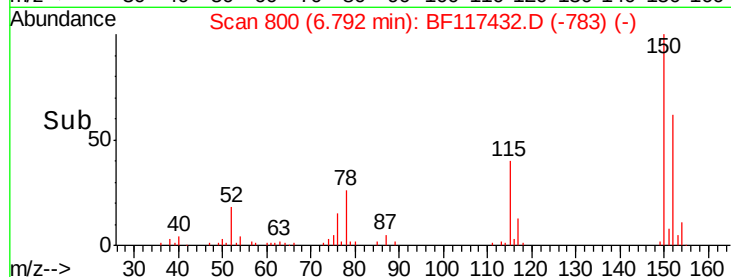
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF117432.D
Acq: 17 Oct 2019 20:06

Instrument :
BNA_F
ClientSampleId :
T-17-F1-(0-30)

Tot Ion:152 Resp: 43072
Ion Ratio Lower Upper
152 100
150 162.2 122.7 184.1
115 64.2 48.6 73.0



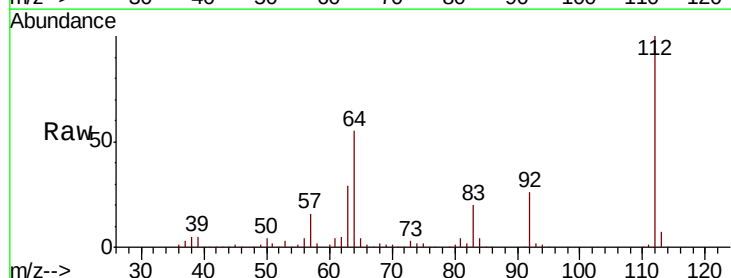
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



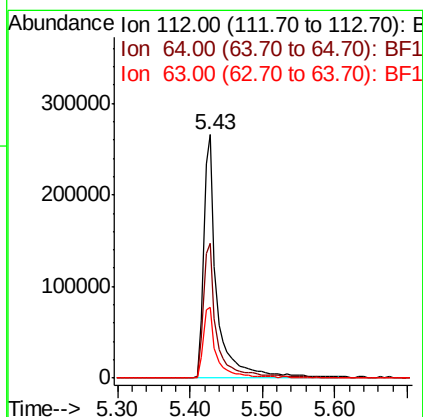
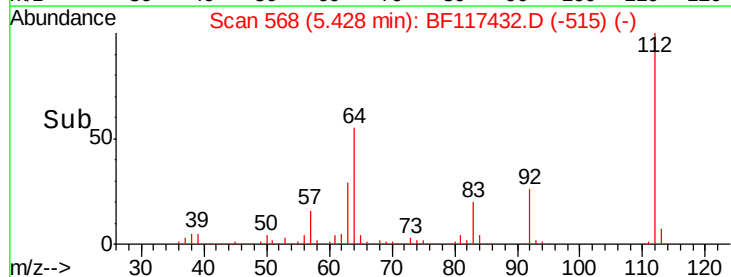
#5

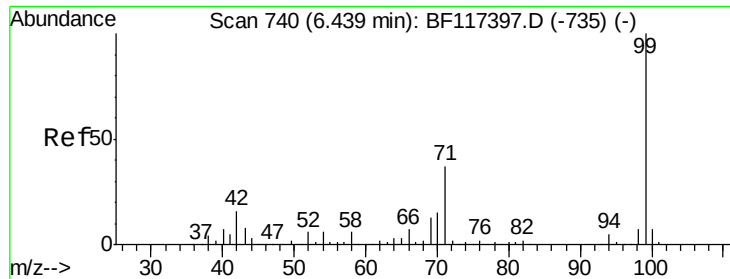
2-Fluorophenol
Concen: 122.019 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF117432.D
Acq: 17 Oct 2019 20:06

Tgt Ion:112 Resp: 341578
Ion Ratio Lower Upper
112 100
64 55.4 45.2 67.8
63 29.1 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: 118.300 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF117432.D

Acq: 17 Oct 2019 20:06

Instrument :

BNA_F

ClientSampleId :

T-17-F1-(0-30)

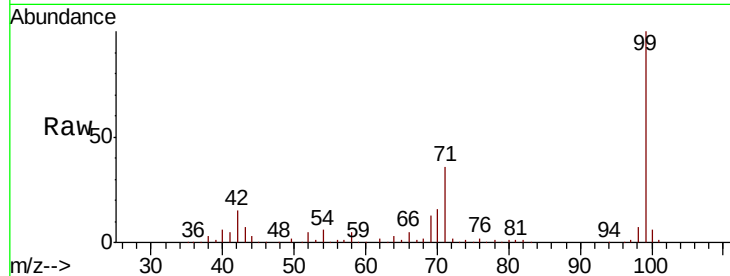
Tot Ion: 99 Resp: 439393

Ion Ratio Lower Upper

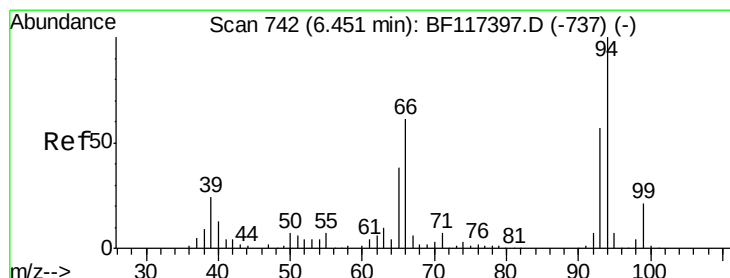
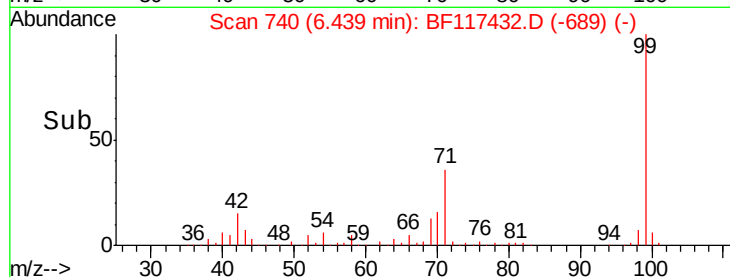
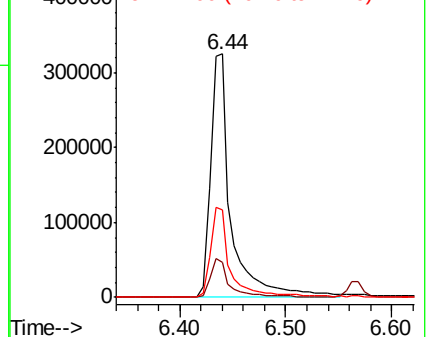
99 100

42 14.5 12.5 18.7

71 35.8 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: 2.233 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF117432.D

Acq: 17 Oct 2019 20:06

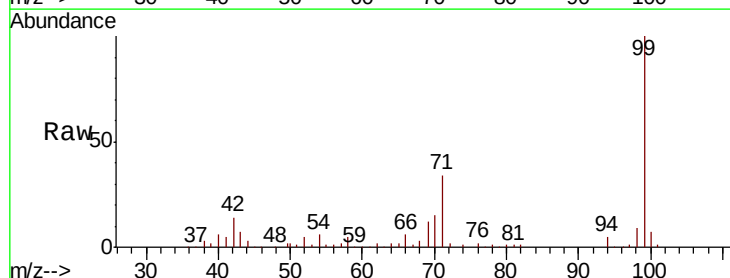
Tgt Ion: 94 Resp: 8953

Ion Ratio Lower Upper

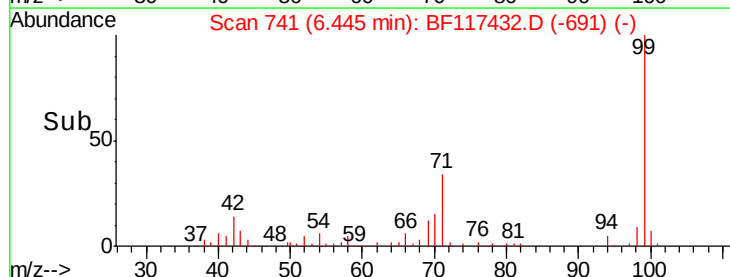
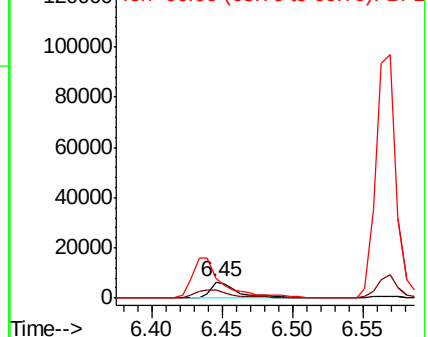
94 100

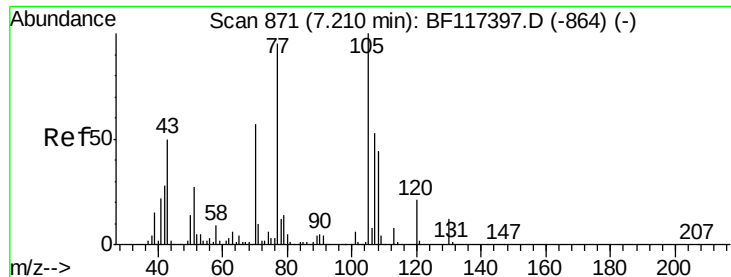
65 48.3 18.2 58.2

66 126.2 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

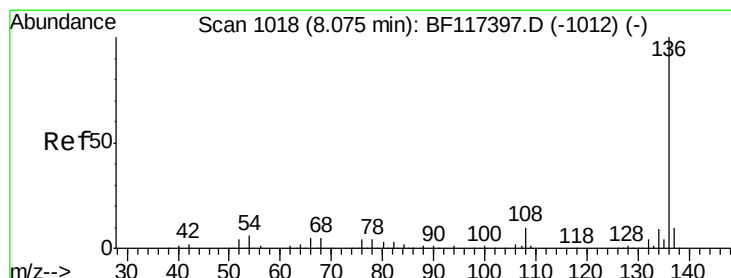
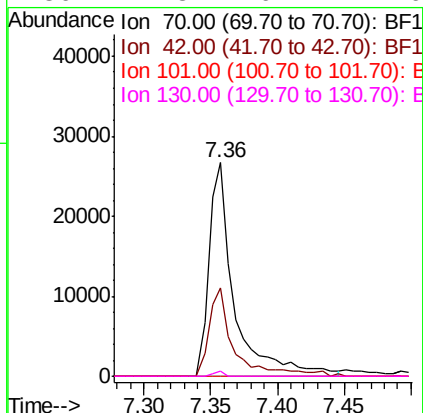
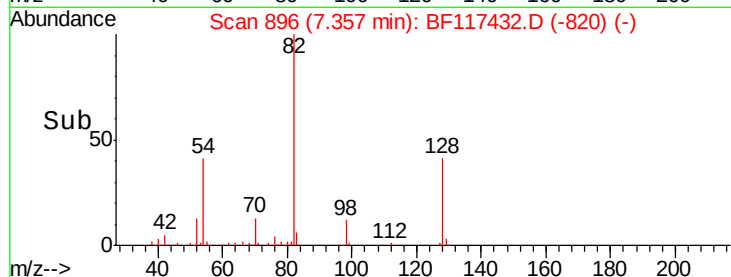
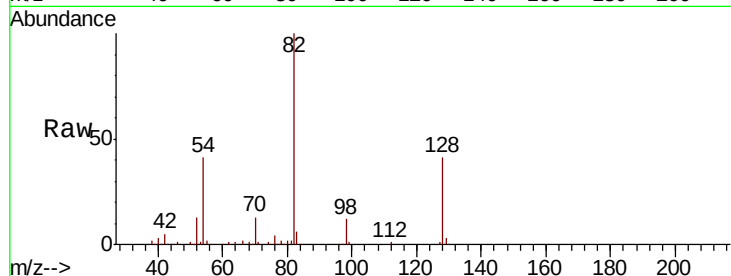




#19
n-Nitroso-di-n-propylamine
Concen: 14.999 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.15 min
Lab File: BF117432.D
Acq: 17 Oct 2019 20:06

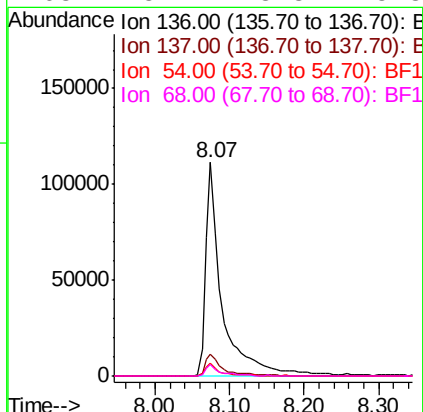
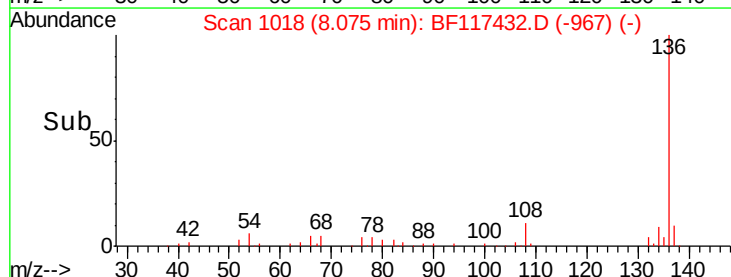
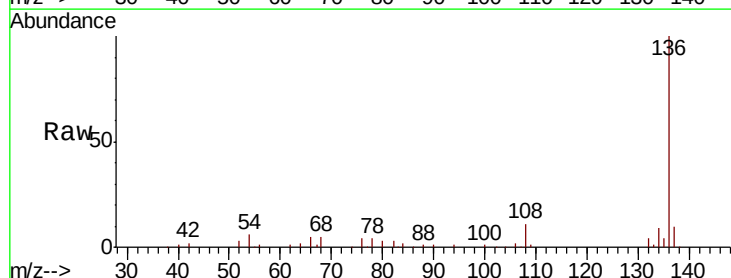
Instrument :
BNA_F
ClientSampleId :
T-17-F1-(0-30)

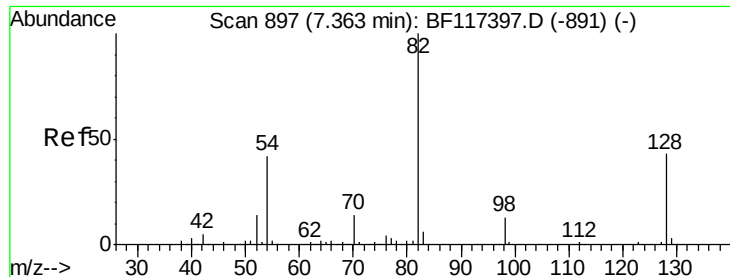
Tot Ion: 70 Resp: 35521
Ion Ratio Lower Upper
70 100
42 41.6 39.8 59.8
101 0.0 8.1 12.1#
130 2.3 16.4 24.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BF117432.D
Acq: 17 Oct 2019 20:06

Tgt Ion:136 Resp: 170941
Ion Ratio Lower Upper
136 100
137 10.0 8.4 12.6
54 6.2 4.6 6.8
68 5.2 3.8 5.8

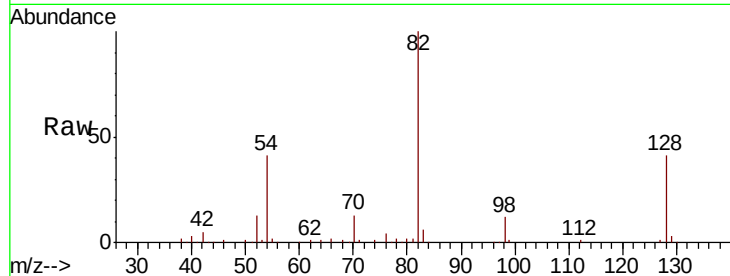




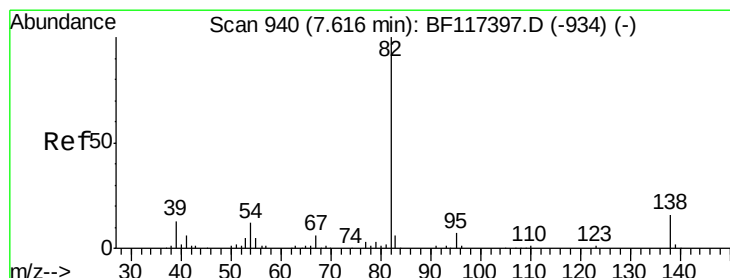
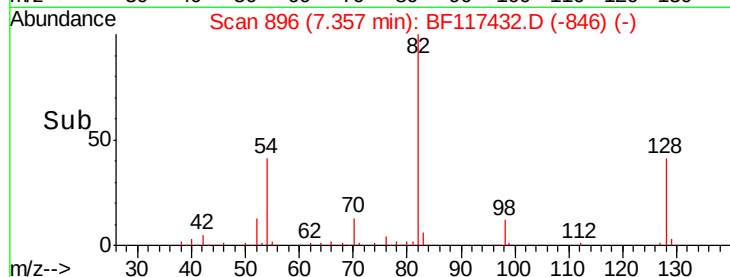
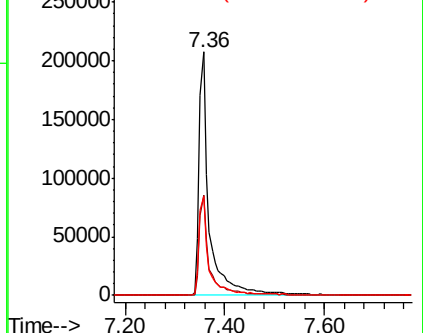
#23
 Nitrobenzene-d5
 Concen: 86.629 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: BF117432.D
 Acq: 17 Oct 2019 20:06

Instrument :
 BNA_F
 ClientSampleId :
 T-17-F1-(0-30)

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.3	34.1	51.1
54	40.7	33.3	49.9

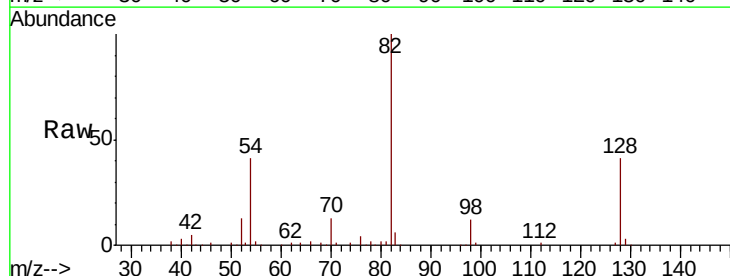


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

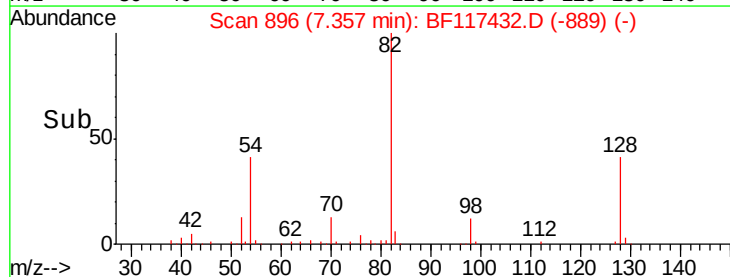
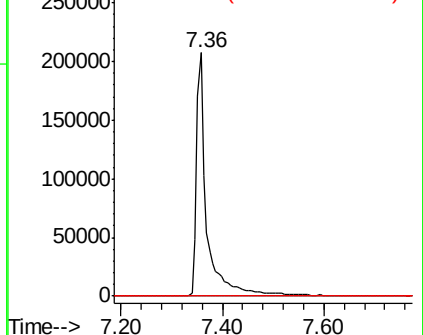


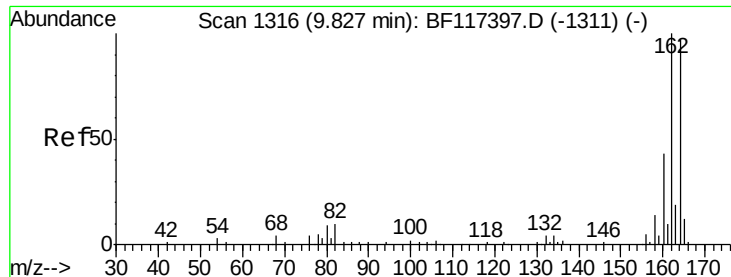
#25
 Isophorone
 Concen: 48.630 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.26 min
 Lab File: BF117432.D
 Acq: 17 Oct 2019 20:06

Tgt 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

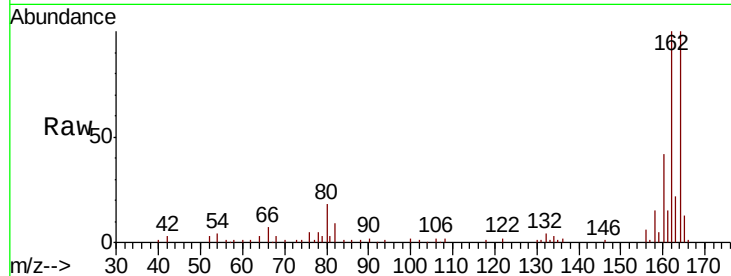




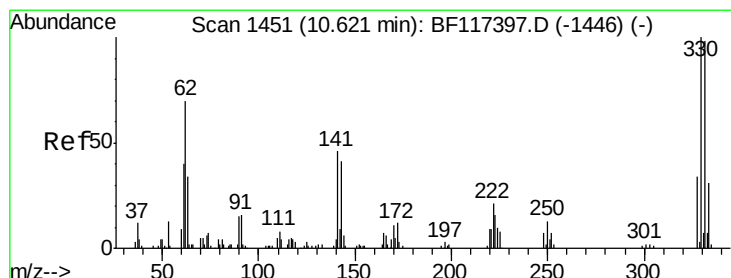
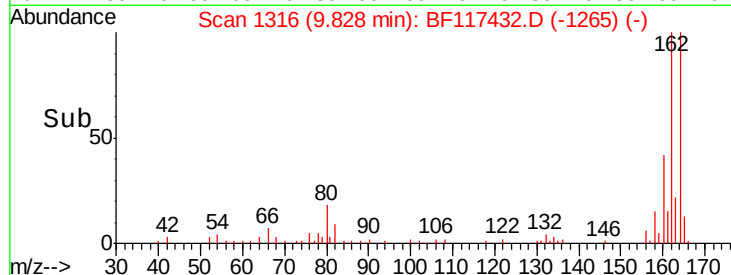
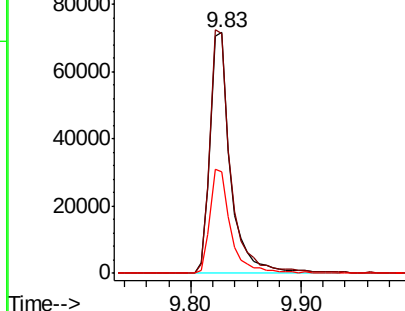
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. 0.00 min
Lab File: BF117432.D
Acq: 17 Oct 2019 20:06

Instrument :
BNA_F
ClientSampleId :
T-17-F1-(0-30)

Tot Ion:164 Resp: 90967
Ion Ratio Lower Upper
164 100
162 99.9 82.4 123.6
160 42.5 35.4 53.0

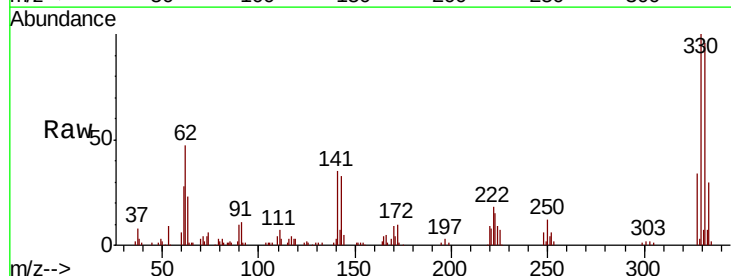


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

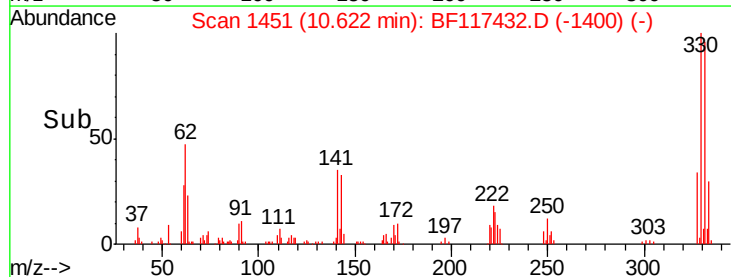
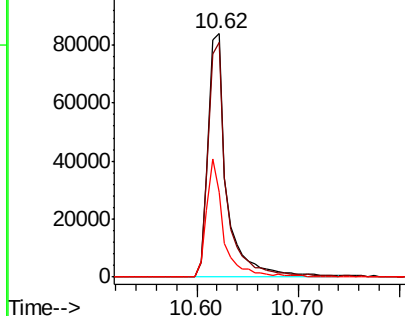


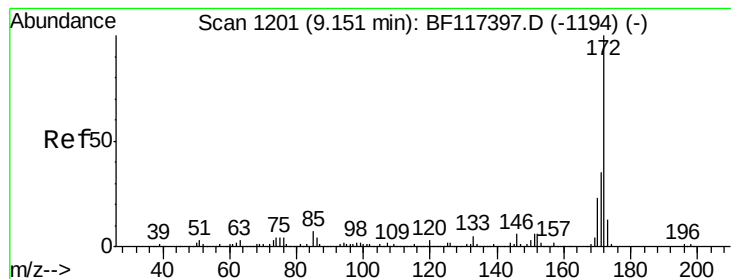
#42
2,4,6-Tribromophenol
Concen: 145.475 ng
RT: 10.62 min Scan# 1451
Delta R.T. 0.00 min
Lab File: BF117432.D
Acq: 17 Oct 2019 20:06

Tgt Ion:330 Resp: 107702
Ion Ratio Lower Upper
330 100
332 95.6 75.0 112.6
141 44.1 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: 86.120 ng

RT: 9.15 min Scan# 1200

Delta R.T. -0.01 min

Lab File: BF117432.D

Acq: 17 Oct 2019 20:06

Instrument :

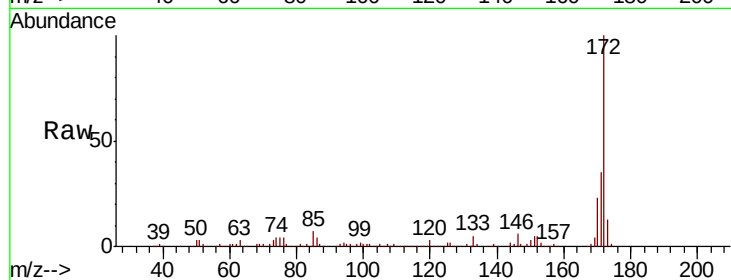
BNA_F

ClientSampleId :

T-17-F1-(0-30)

Tot Ion:172 Resp: 537360

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.2	42.2
170	22.8	18.2	27.2

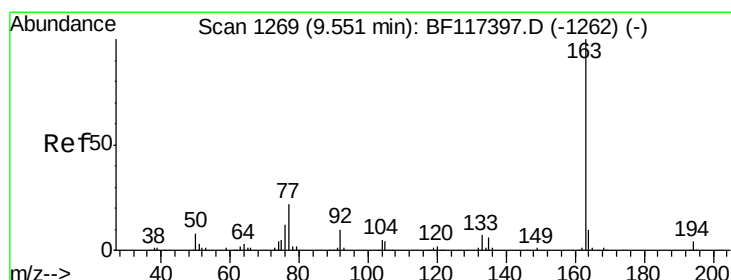
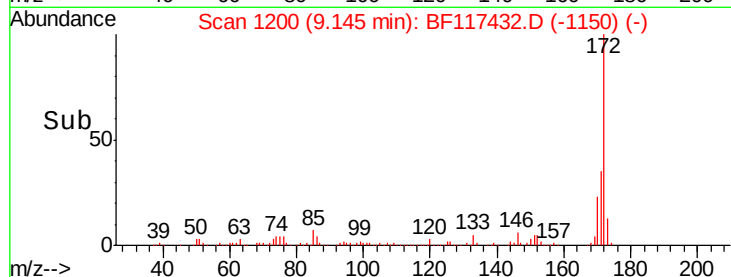
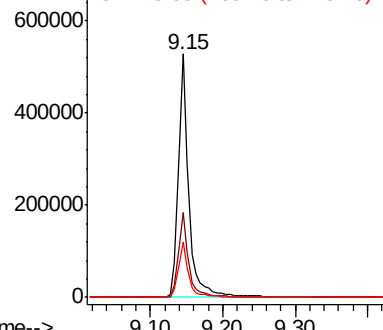


Abundance

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



#50

Dimethylphthalate

Concen: 4.547 ng

RT: 9.55 min Scan# 1268

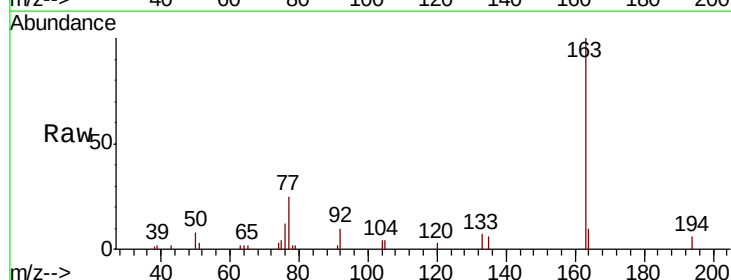
Delta R.T. -0.01 min

Lab File: BF117432.D

Acq: 17 Oct 2019 20:06

Tgt Ion:163 Resp: 29706

Ion	Ratio	Lower	Upper
163	100		
194	5.7	3.1	4.7#
164	9.6	8.0	12.0

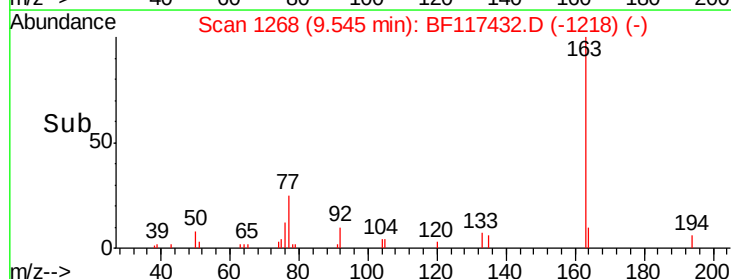
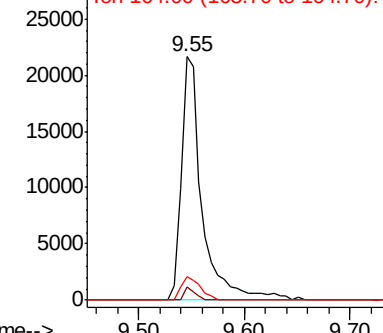


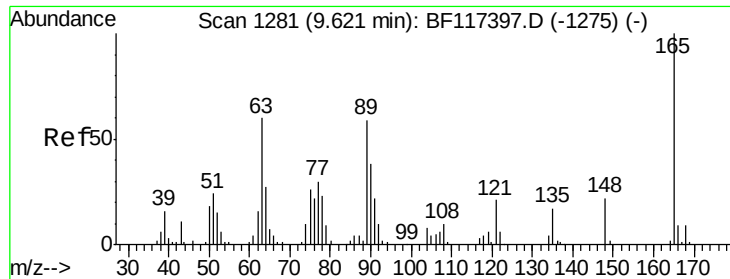
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 8.462 ng

RT: 9.82 min Scan# 1315

Delta R.T. 0.20 min

Lab File: BF117432.D

Acq: 17 Oct 2019 20:06

Instrument :

BNA_F

ClientSampleId :

T-17-F1-(0-30)

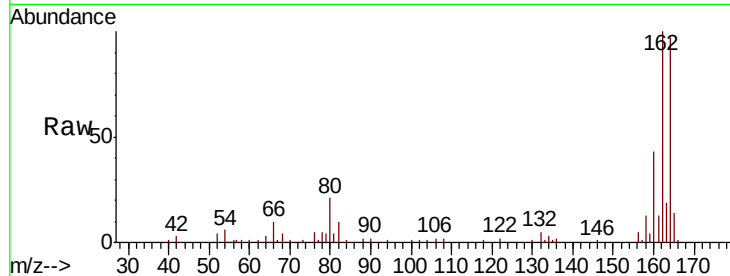
Tot Ion:165 Resp: 11620

Ion Ratio Lower Upper

165 100

63 0.0 47.8 71.6#

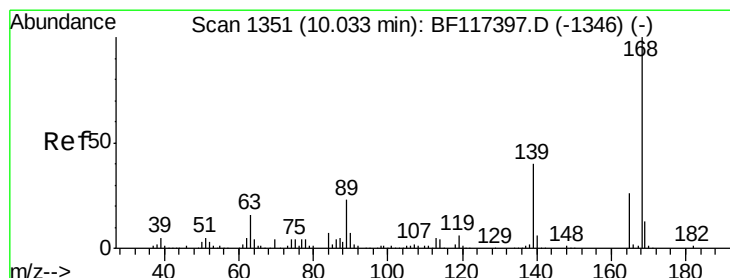
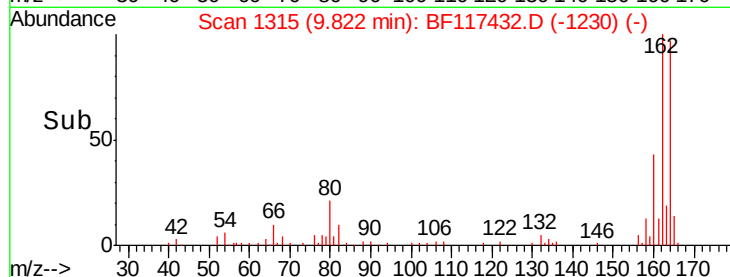
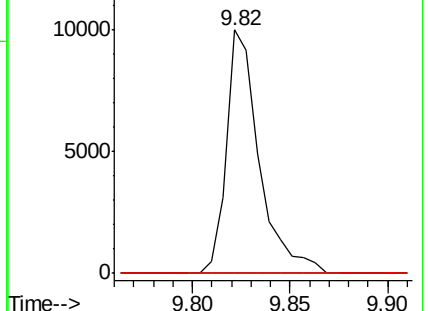
89 0.0 47.4 71.0#



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: 6.413 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.21 min

Lab File: BF117432.D

Acq: 17 Oct 2019 20:06

Tgt Ion:165 Resp: 11620

Ion Ratio Lower Upper

165 100

63 0.0 51.0 76.4#

89 0.0 70.7 106.1#

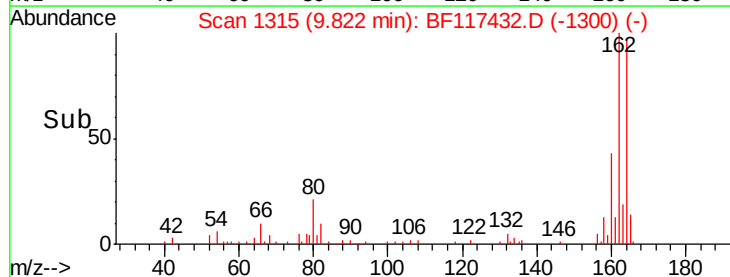
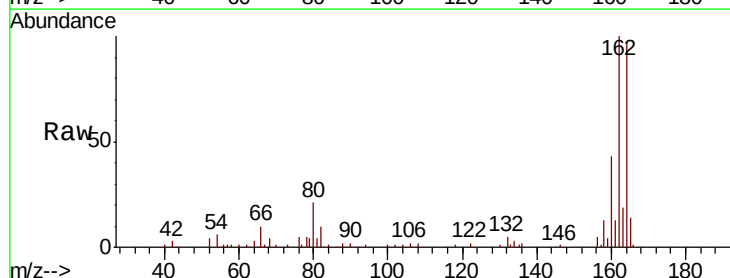
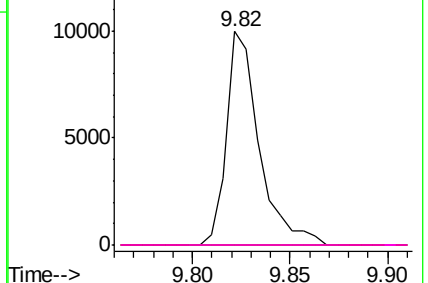
182 0.0 2.1 3.1#

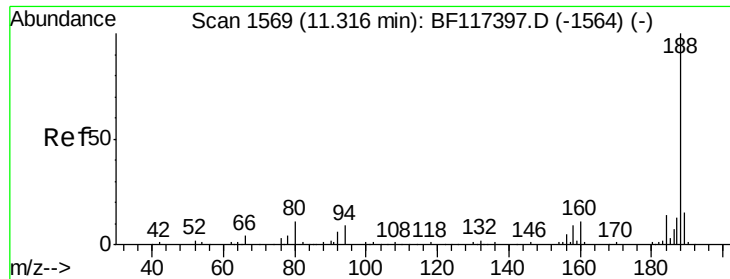
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF117432.D

Acq: 17 Oct 2019 20:06

Instrument :

BNA_F

ClientSampleId :

T-17-F1-(0-30)

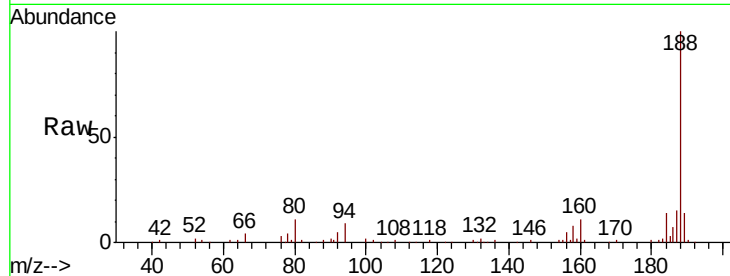
Tot Ion:188 Resp: 159836

Ion Ratio Lower Upper

188 100

94 9.0 7.5 11.3

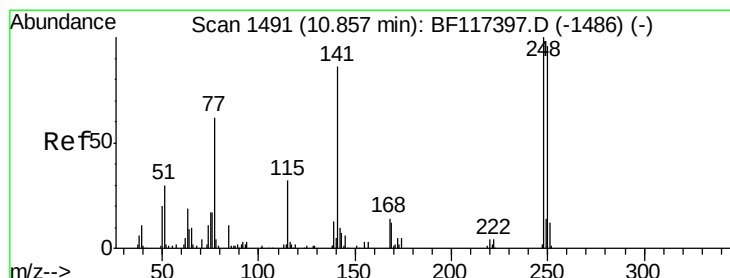
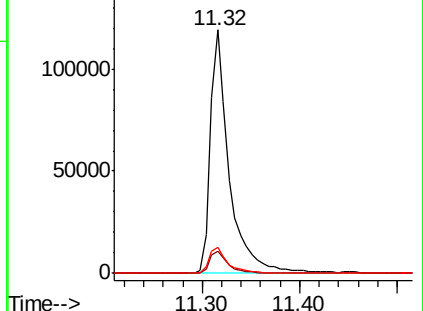
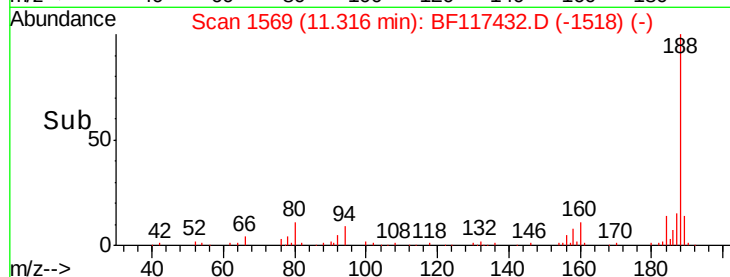
80 10.6 8.7 13.1



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: 3.928 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.24 min

Lab File: BF117432.D

Acq: 17 Oct 2019 20:06

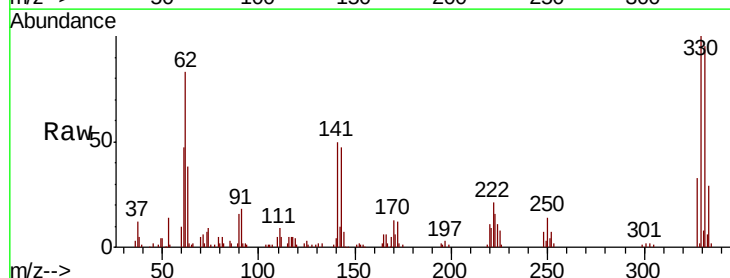
Tgt Ion:248 Resp: 6887

Ion Ratio Lower Upper

248 100

250 202.0 77.1 115.7#

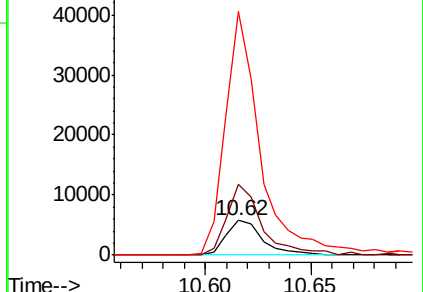
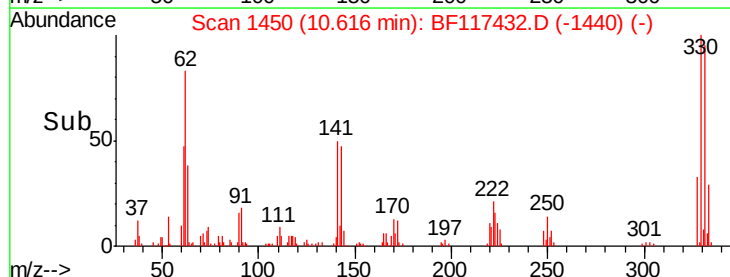
141 699.4 69.1 103.7#

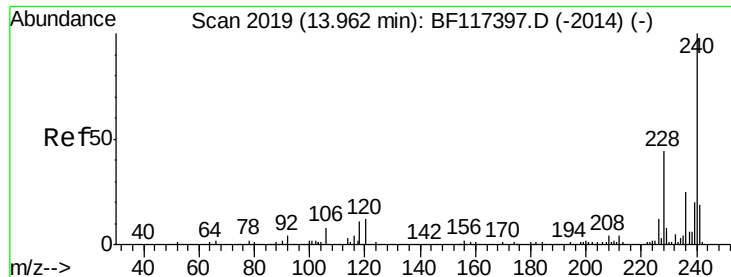


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

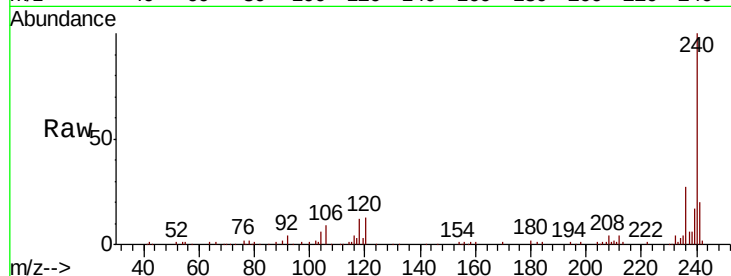




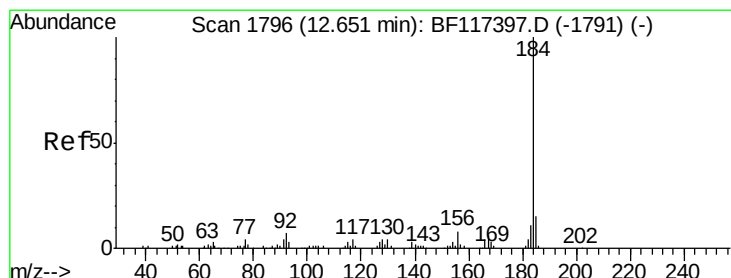
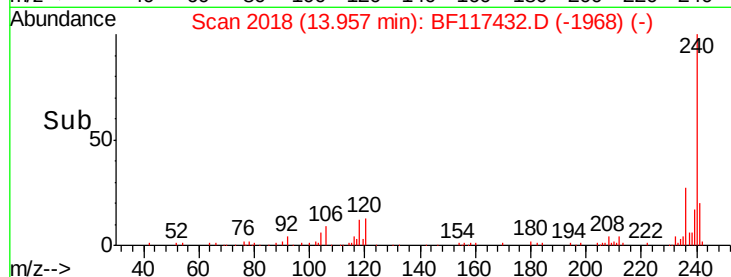
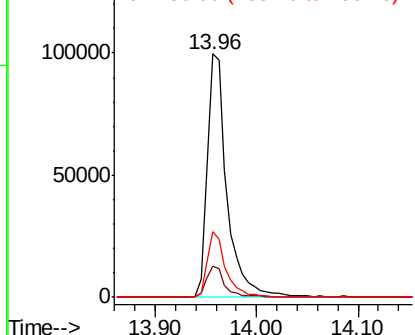
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF117432.D
Acq: 17 Oct 2019 20:06

Instrument :
BNA_F
ClientSampleId :
T-17-F1-(0-30)

Tot Ion:240 Resp: 134226
Ion Ratio Lower Upper
240 100
120 12.9 9.4 14.0
236 26.8 19.8 29.6

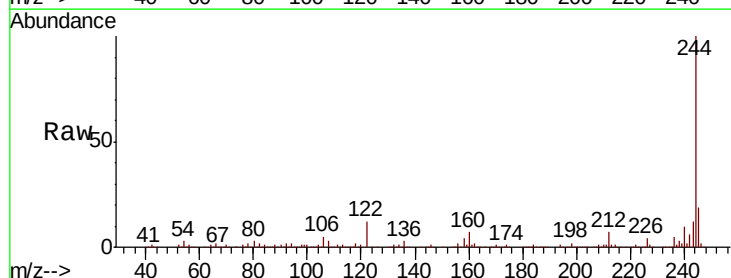


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

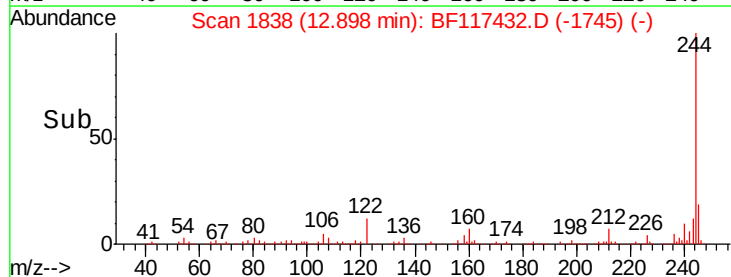
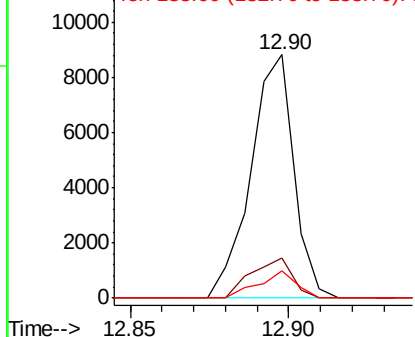


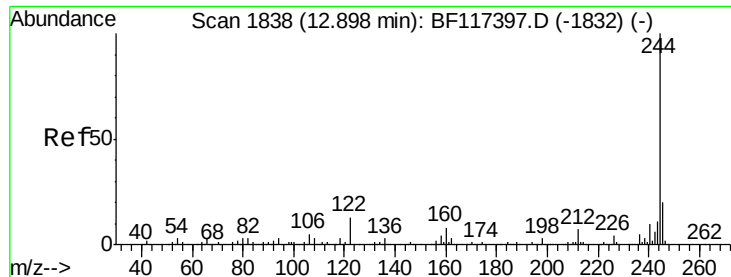
#77
Benzidine
Concen: 2.508 ng
RT: 12.90 min Scan# 1838
Delta R.T. 0.25 min
Lab File: BF117432.D
Acq: 17 Oct 2019 20:06

Tgt Ion:184 Resp: 8325
Ion Ratio Lower Upper
184 100
185 16.3 12.2 18.2
183 11.1 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

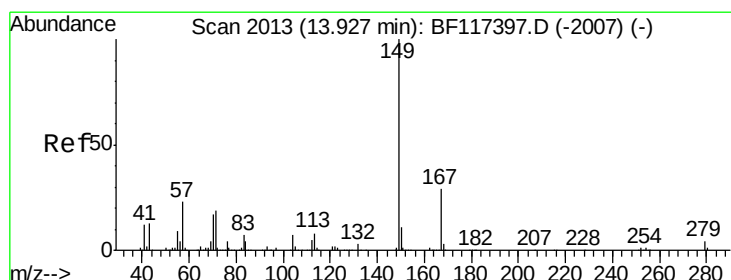
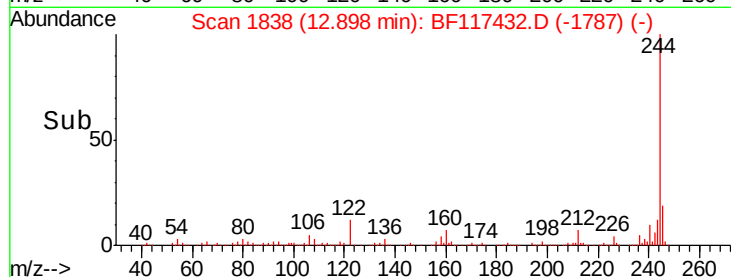
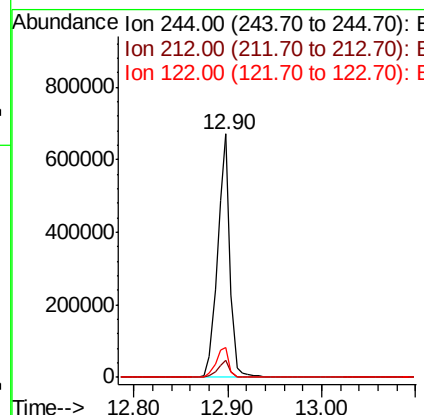
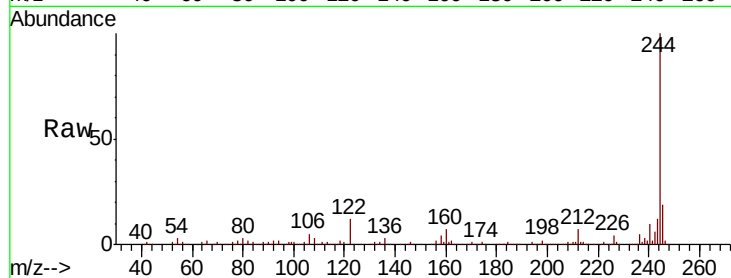




#79
 Terphenyl-d14
 Concen: 75.472 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: BF117432.D
 Acq: 17 Oct 2019 20:06

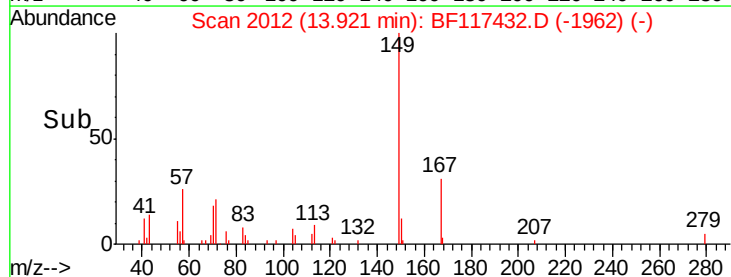
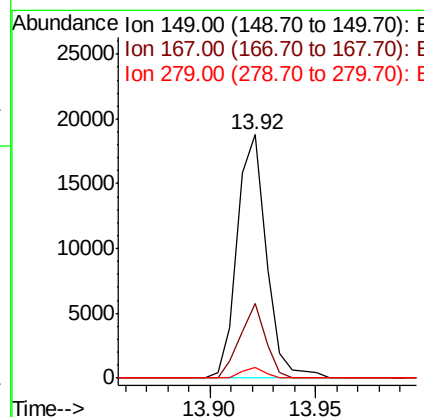
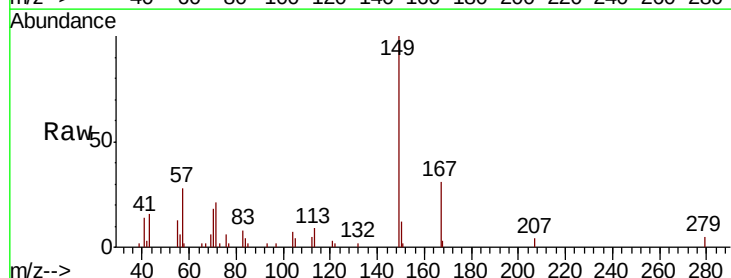
Instrument :
 BNA_F
 ClientSampleId :
 T-17-F1-(0-30)

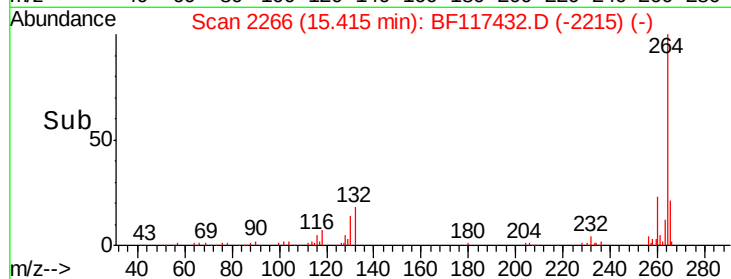
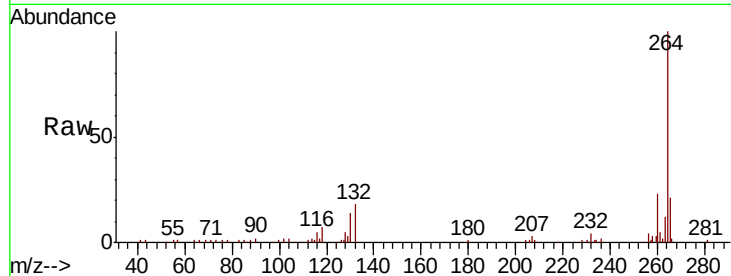
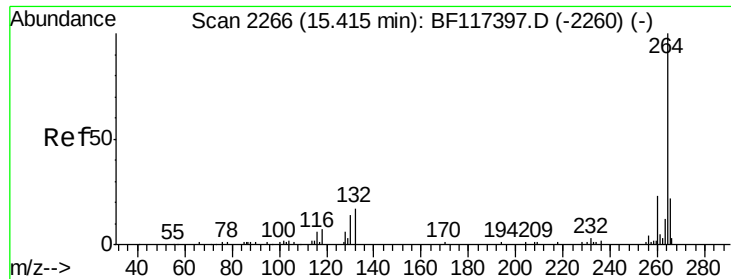
Tot Ion:244 Resp: 621429
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.7 8.5
 122 12.4 10.7 16.1



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.124 ng
 RT: 13.92 min Scan# 2012
 Delta R.T. -0.01 min
 Lab File: BF117432.D
 Acq: 17 Oct 2019 20:06

Tgt Ion:149 Resp: 17870
 Ion Ratio Lower Upper
 149 100
 167 30.6 23.0 34.6
 279 4.6 3.0 4.6#





#87

Pervlone-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2266

Delta R.T. 0.00 min

Lab File: BF117432.D

Acq: 17 Oct 2019 20:06

Instrument :

BNA_F

ClientSampleId :

T-17-F1-(0-30)

Tot Ion:264 Resp: 130800

Ion Ratio Lower Upper

264 100

260 23.2 18.6 27.8

265 20.7 17.4 26.0

