

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100219\
 Data File : BF117312.D
 Acq On : 2 Oct 2019 20:56
 Operator : JU
 Sample : K4660-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 03 01:33:01 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

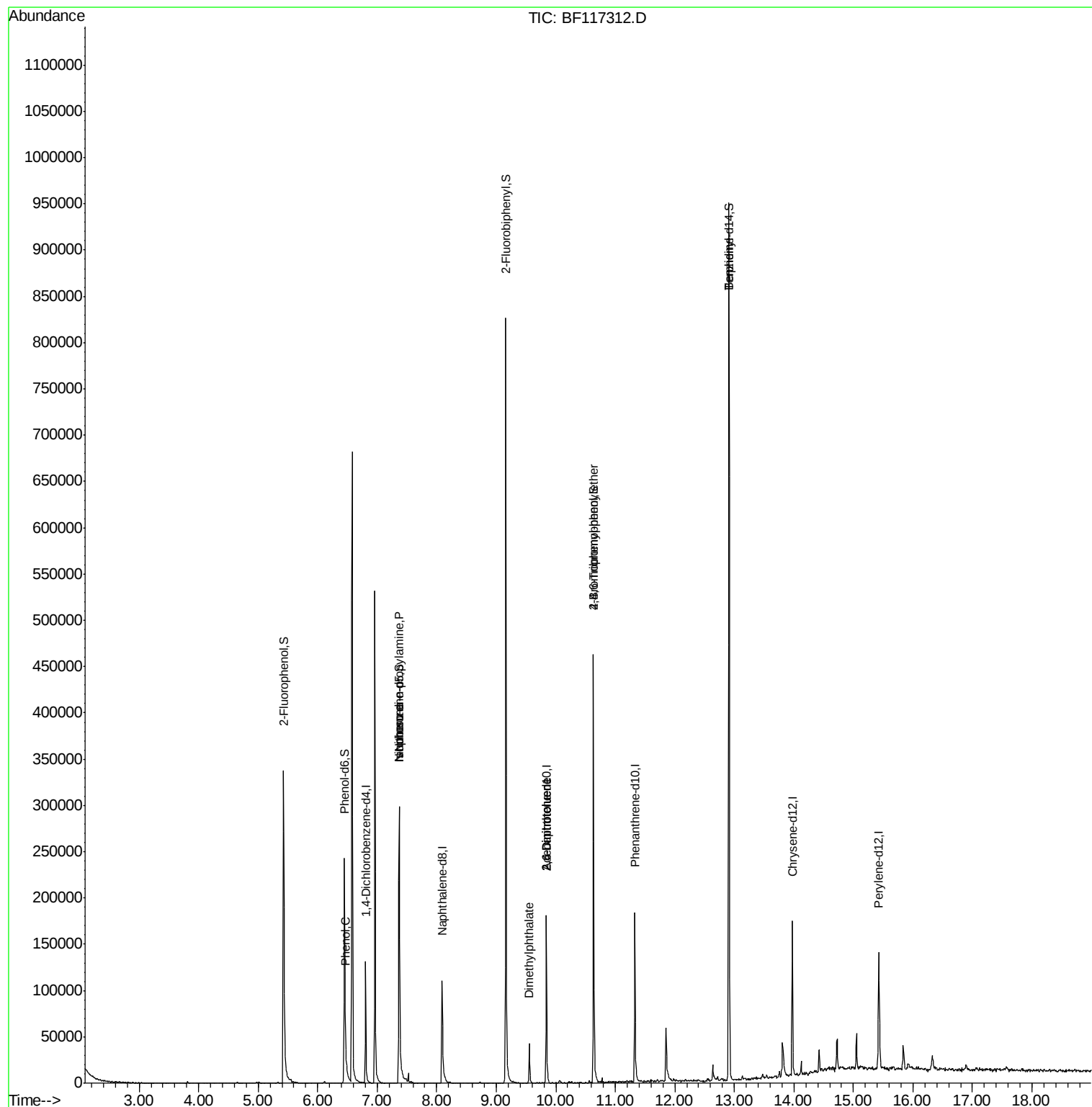
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	21949	20.00	ng	-0.02
21) Naphthalene-d8	8.09	136	86403	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	45177	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	78438	20.00	ng	0.00
76) Chrysene-d12	13.97	240	55724	20.00	ng	0.00
87) Perylene-d12	15.43	264	50831	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	129339	92.00	ng	-0.01
7) Phenol-d6	6.45	99	121725	67.00	ng	-0.01
23) Nitrobenzene-d5	7.37	82	135616	82.47	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	54225	143.61	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	269366	93.23	ng	-0.01
79) Terphenyl-d14	12.91	244	299113	100.34	ng	0.00
Target Compounds						
9) Benzaldehyde	6.58	77	4588	Below Cal	Qvalue	# 72
10) Phenol	6.47	94	6193	3.092 ng		87
19) n-Nitroso-di-n-propylamine	7.37	70	18061	16.325 ng	#	80
25) Isophorone	7.37	82	135615	46.577 ng	#	66
50) Dimethylphthalate	9.56	163	20235	6.326 ng	#	97
51) 2,6-Dinitrotoluene	9.84	165	5829	8.947 ng	#	24
57) 2,4-Dinitrotoluene	9.84	165	5829	6.893 ng	#	18
67) 4-Bromophenyl-phenylether	10.63	248	3319	4.143 ng	#	1
77) Benzidine	12.91	184	3746	2.087 ng	#	89

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

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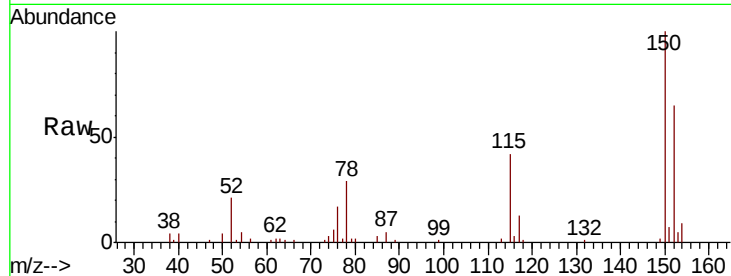


#1

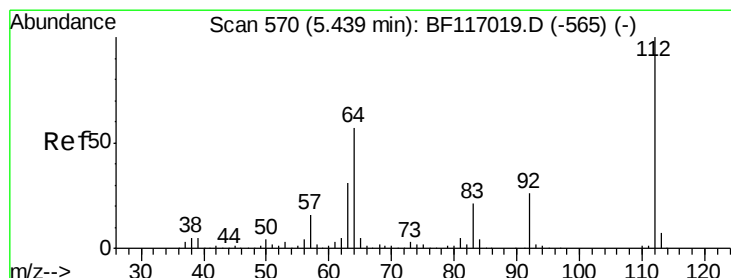
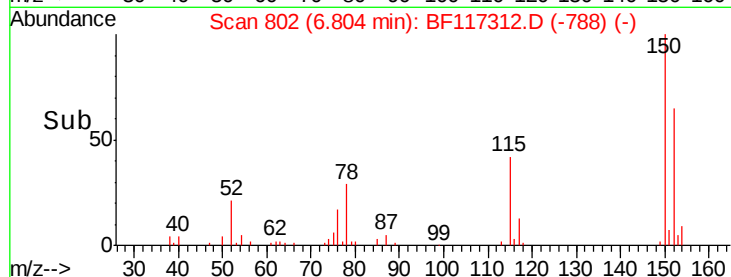
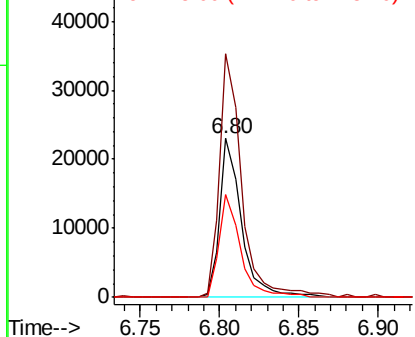
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.02 min
Lab File: BF117312.D
Acq: 2 Oct 2019 20:56

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 21949
Ion Ratio Lower Upper
152 100
150 153.4 127.5 191.3
115 64.9 55.0 82.4



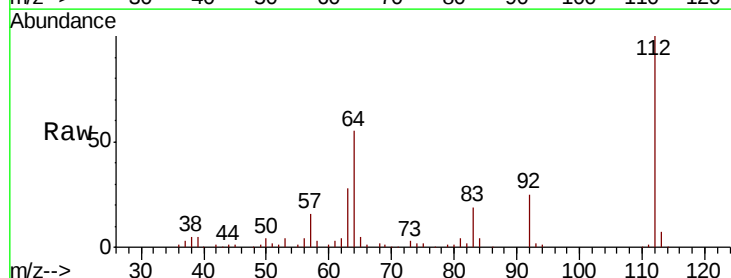
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



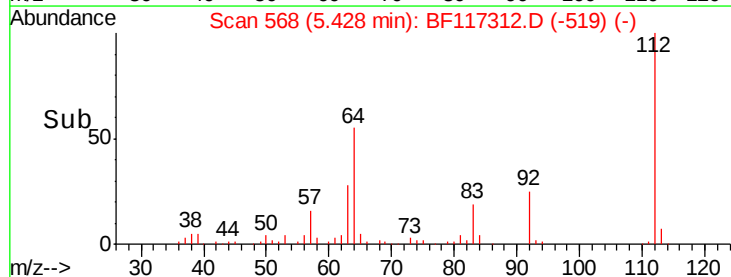
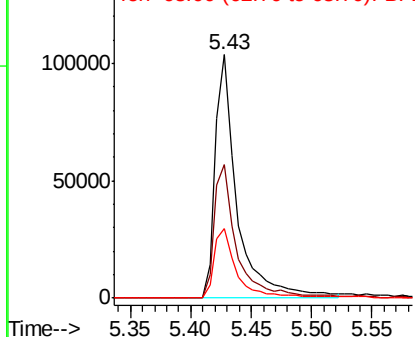
#5

2-Fluorophenol
Concen: 92.000 ng
RT: 5.43 min Scan# 568
Delta R.T. -0.01 min
Lab File: BF117312.D
Acq: 2 Oct 2019 20:56

Tgt Ion:112 Resp: 129339
Ion Ratio Lower Upper
112 100
64 54.8 45.7 68.5
63 28.4 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: 66.997 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF117312.D

Acq: 2 Oct 2019 20:56

Instrument :

BNA_F

ClientSampled :

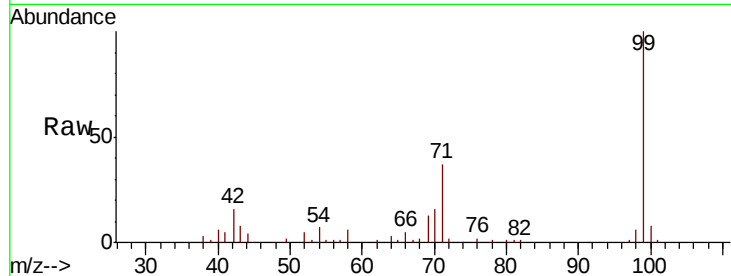
Tot Ion: 99 Resp: 121725

Ion Ratio Lower Upper

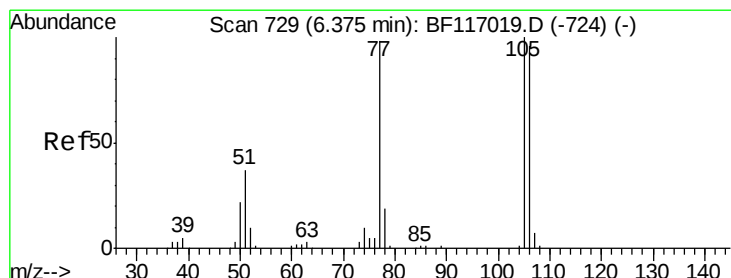
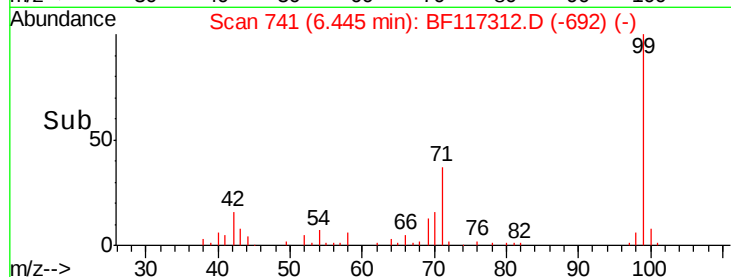
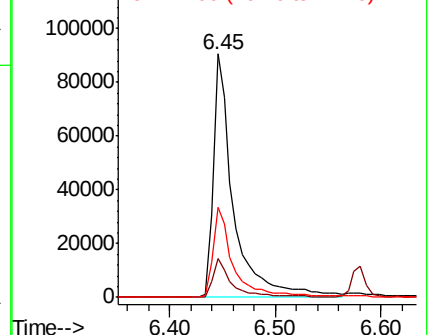
99 100

42 16.1 12.2 18.2

71 36.8 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: 6.58 min Scan# 764

Delta R.T. 0.21 min

Lab File: BF117312.D

Acq: 2 Oct 2019 20:56

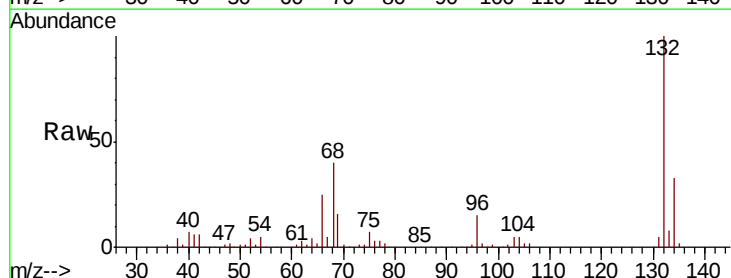
Tgt Ion: 77 Resp: 4588

Ion Ratio Lower Upper

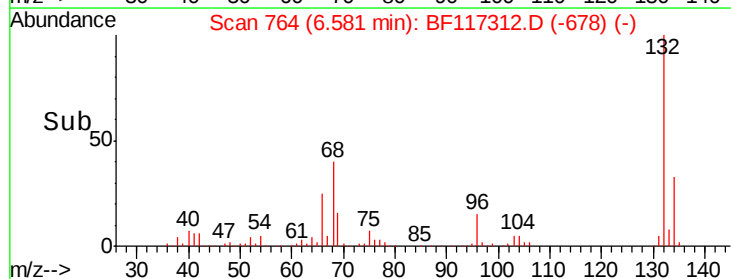
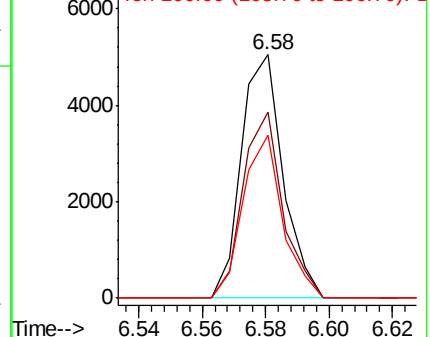
77 100

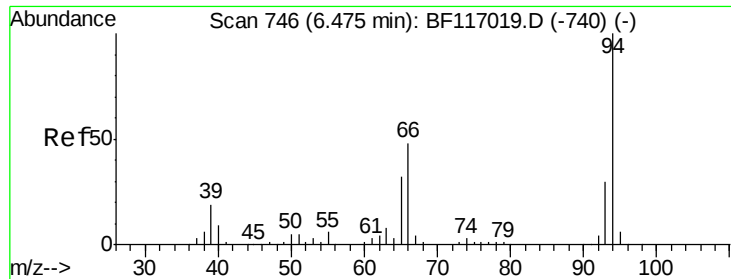
105 76.3 81.8 121.8#

106 66.8 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

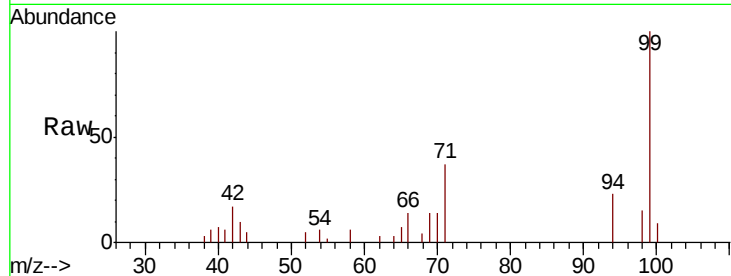




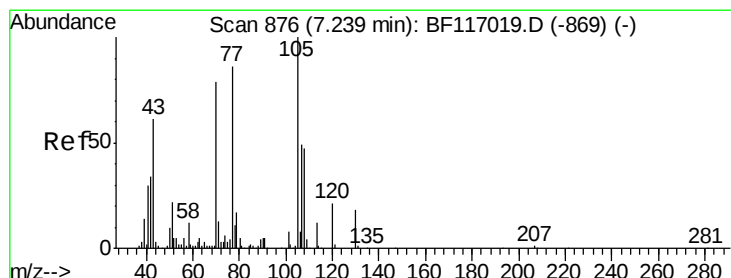
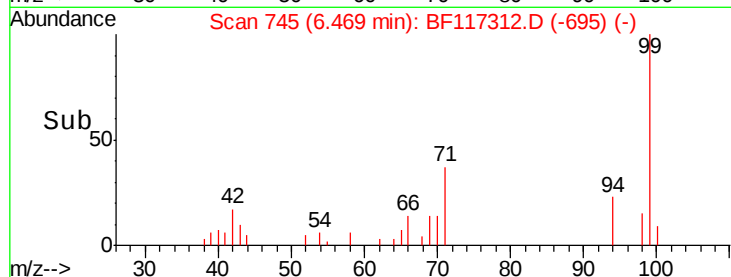
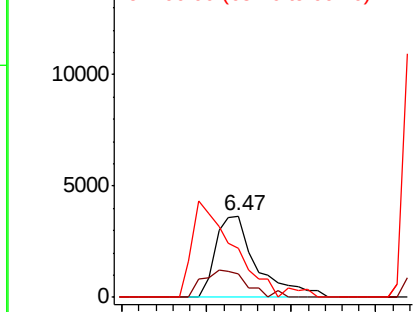
#10
Phenol
Concen: 3.092 ng
RT: 6.47 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF117312.D
Acq: 2 Oct 2019 20:56

Instrument :
BNA_F
ClientSampled :

Tot Ion: 94 Resp: 6193
Ion Ratio Lower Upper
94 100
65 29.2 12.5 52.5
66 60.8 28.9 68.9

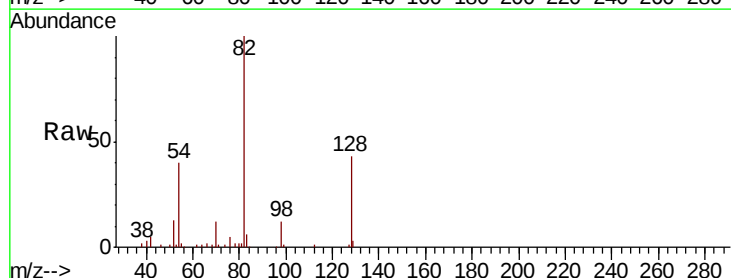


Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

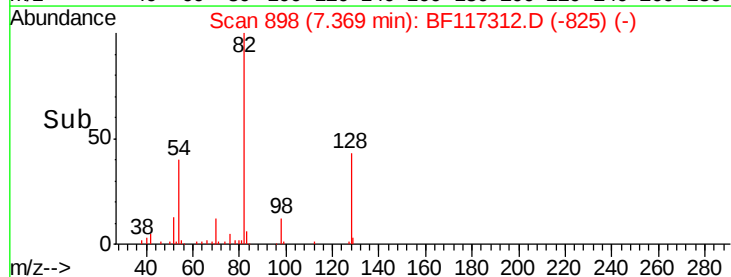
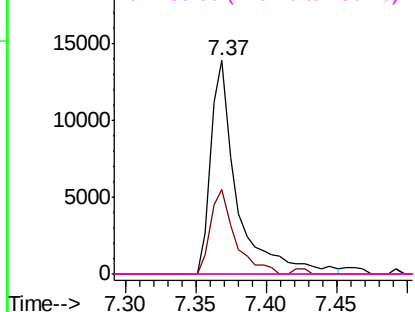


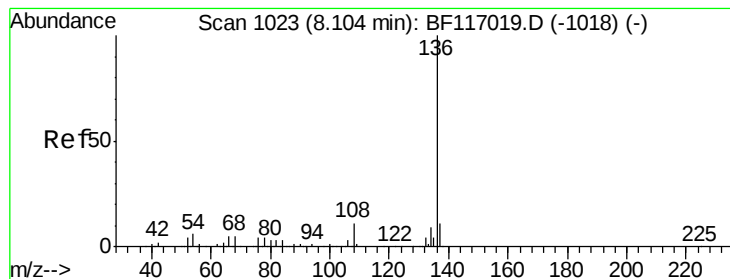
#19
n-Nitroso-di-n-propylamine
Concen: 16.325 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.13 min
Lab File: BF117312.D
Acq: 2 Oct 2019 20:56

Tgt Ion: 70 Resp: 18061
Ion Ratio Lower Upper
70 100
42 39.6 34.0 51.0
101 0.0 7.8 11.6#
130 0.0 17.8 26.8#



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: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF117312.D

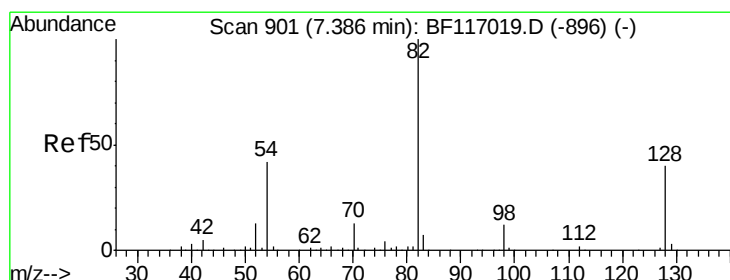
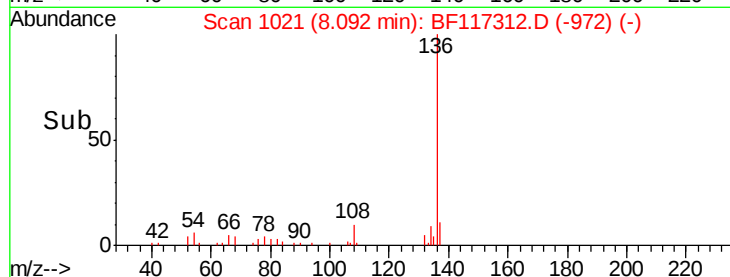
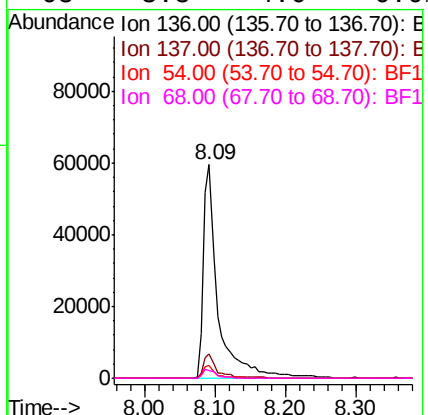
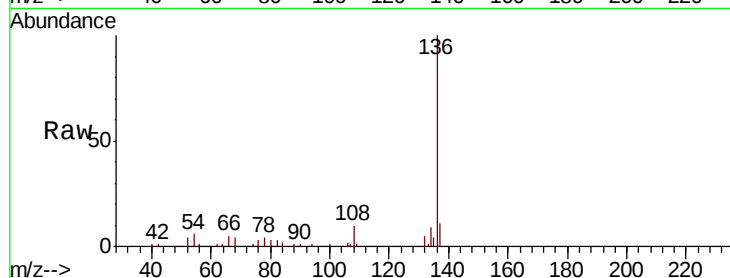
Acq: 2 Oct 2019 20:56

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	86403
Ion	Ratio	Lower Upper
136	100	
137	11.5	9.0 13.4
54	6.2	4.5 6.7
68	3.8	4.0 6.0#



#23

Nitrobenzene-d5

Concen: 82.469 ng

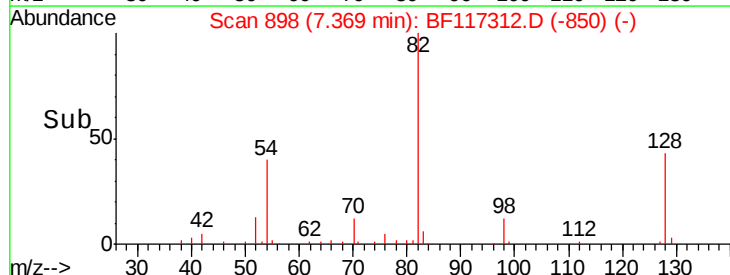
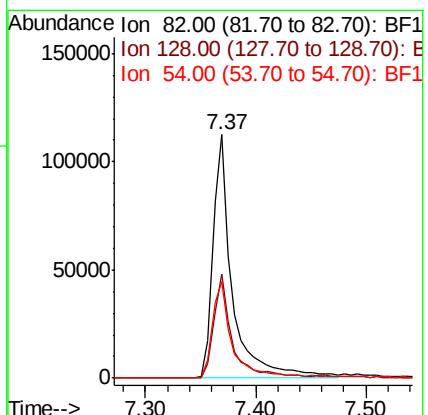
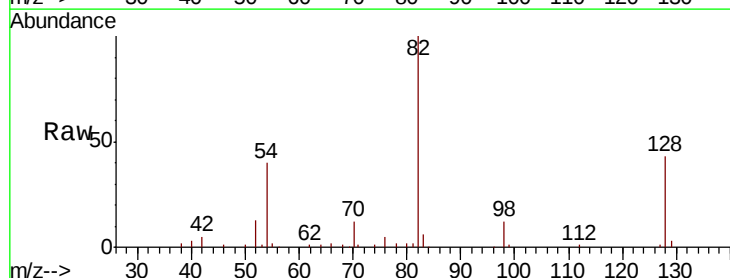
RT: 7.37 min Scan# 898

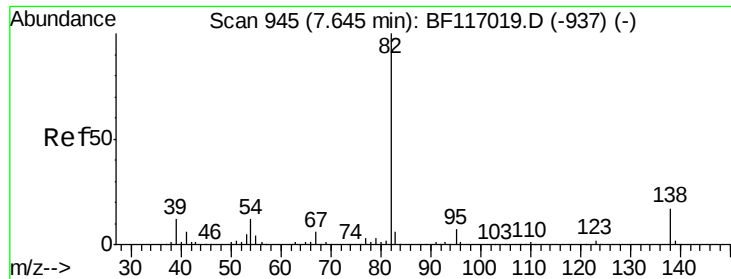
Delta R.T. -0.02 min

Lab File: BF117312.D

Acq: 2 Oct 2019 20:56

Tgt Ion: 82	Resp:	135616
Ion	Ratio	Lower Upper
82	100	
128	42.8	32.3 48.5
54	39.8	33.3 49.9





#25

Isophorone

Concen: 46.577 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.28 min

Lab File: BF117312.D

Acq: 2 Oct 2019 20:56

Instrument :

BNA_F

ClientSampleId :

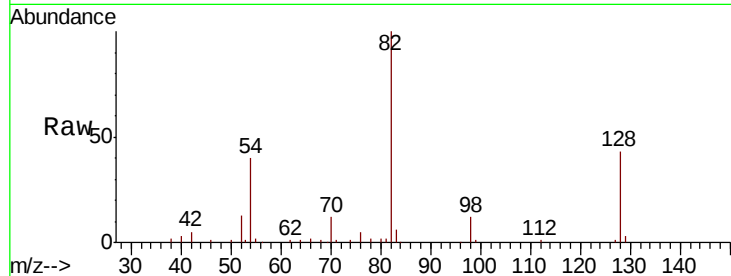
Tot Ion: 82 Resp: 135615

Ion Ratio Lower Upper

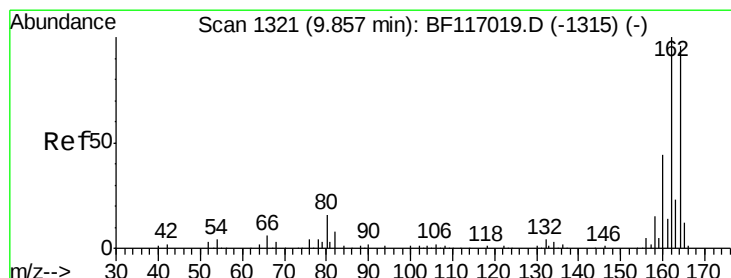
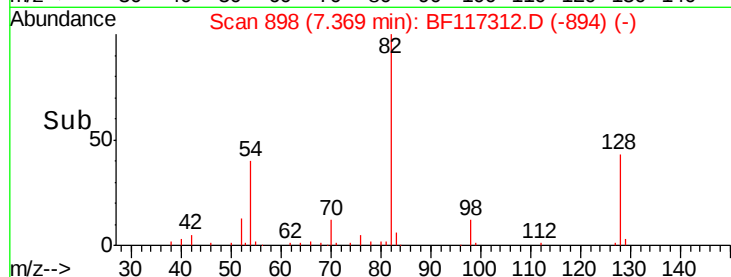
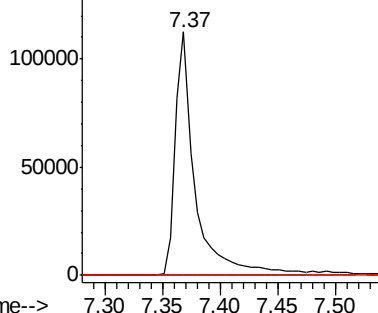
82 100

95 0.0 5.8 8.6#

138 0.0 13.5 20.3#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF117312.D

Acq: 2 Oct 2019 20:56

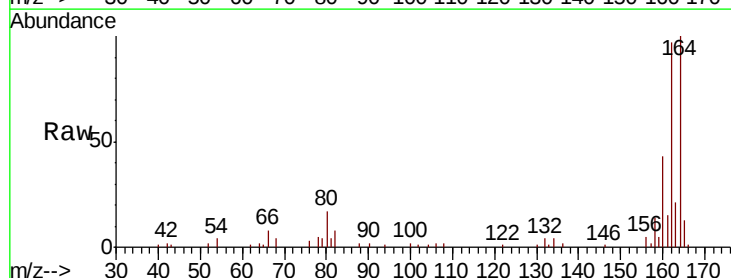
Tgt Ion: 164 Resp: 45177

Ion Ratio Lower Upper

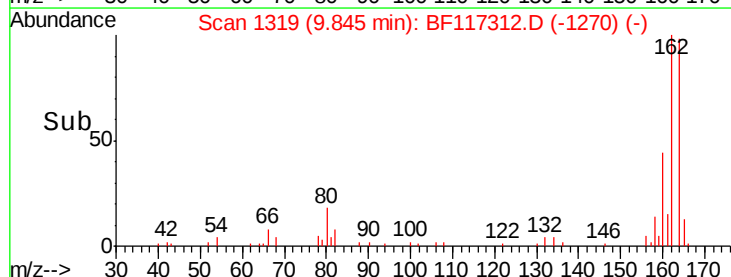
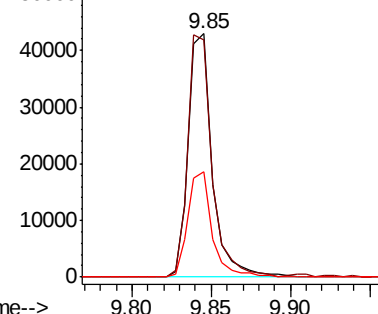
164 100

162 97.2 83.4 125.2

160 43.1 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

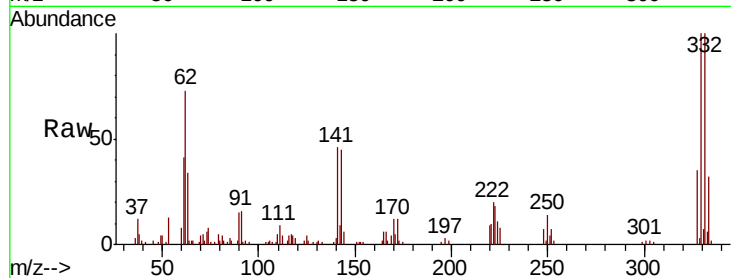




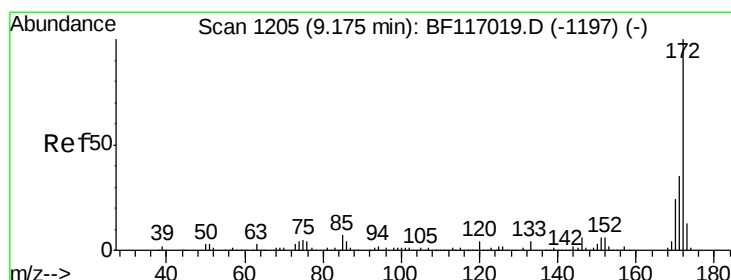
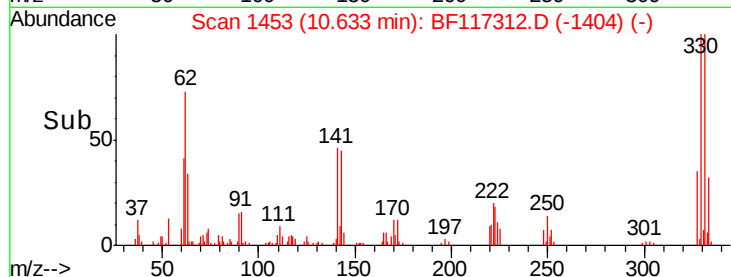
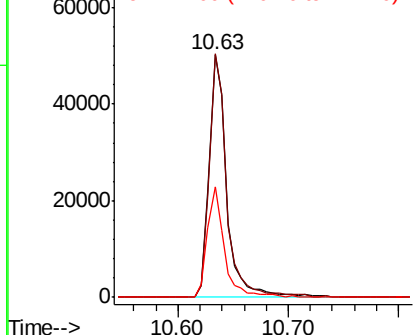
#42
 2,4,6-Tribromophenol
 Concen: 143.613 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF117312.D
 Acq: 2 Oct 2019 20:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 54225
 Ion Ratio Lower Upper
 330 100
 332 98.5 78.0 117.0
 141 44.0 35.8 53.6

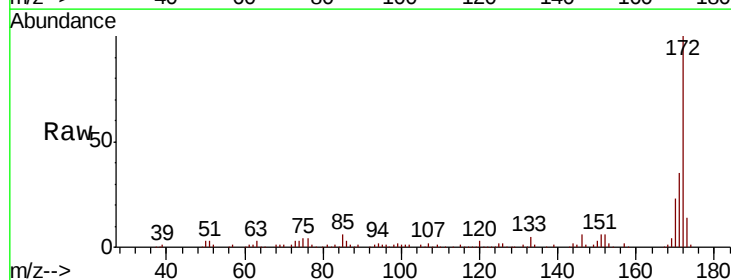


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

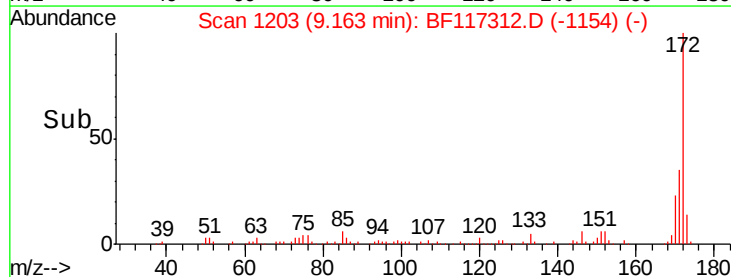
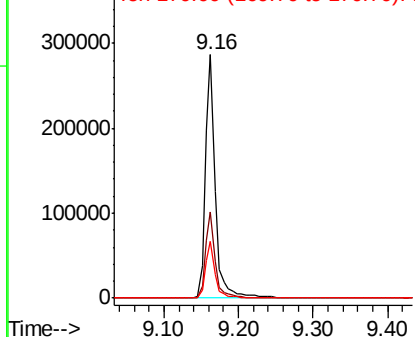


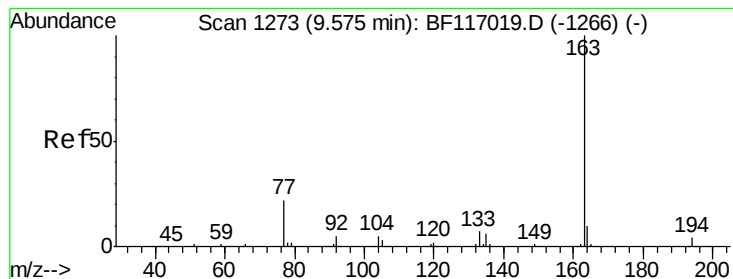
#45
 2-Fluorobiphenyl
 Concen: 93.228 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF117312.D
 Acq: 2 Oct 2019 20:56

Tgt Ion:172 Resp: 269366
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.2 42.2
 170 23.4 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





#50

Dimethylphthalate

Concen: 6.326 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.02 min

Lab File: BF117312.D

Acq: 2 Oct 2019 20:56

Instrument :

BNA_F

ClientSampleId :

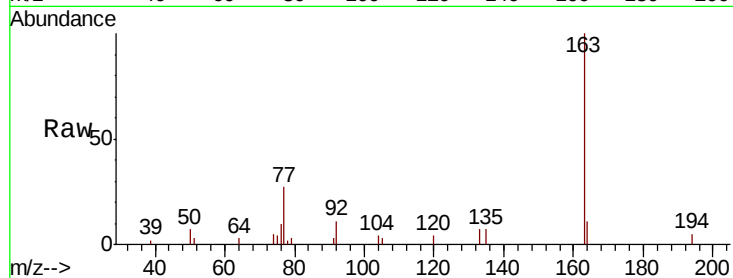
Tot Ion:163 Resp: 20235

Ion Ratio Lower Upper

163 100

194 4.7 2.9 4.3#

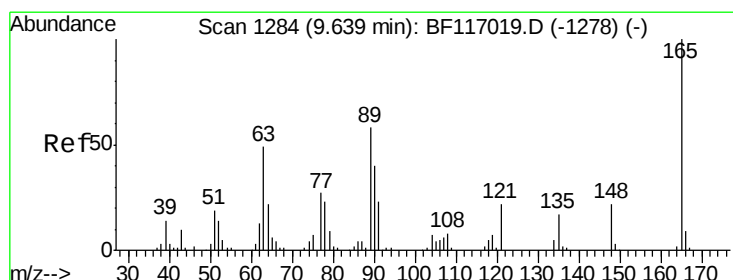
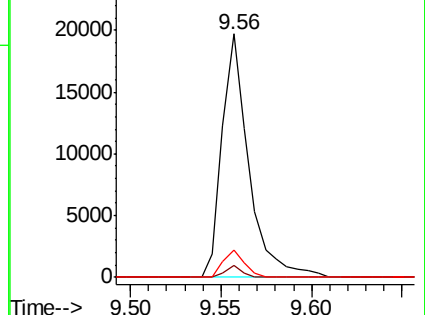
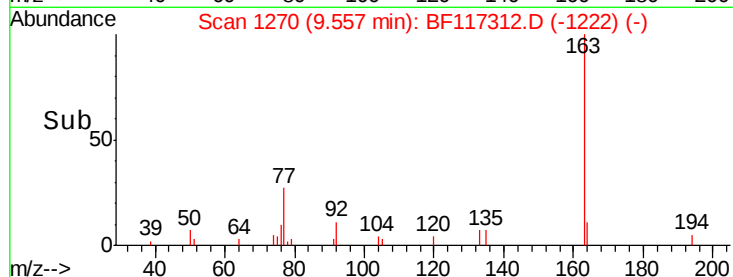
164 11.3 8.2 12.4



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: 8.947 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.20 min

Lab File: BF117312.D

Acq: 2 Oct 2019 20:56

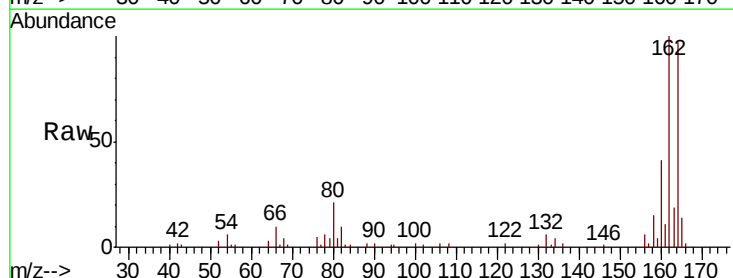
Tgt Ion:165 Resp: 5829

Ion Ratio Lower Upper

165 100

63 0.0 41.8 62.8#

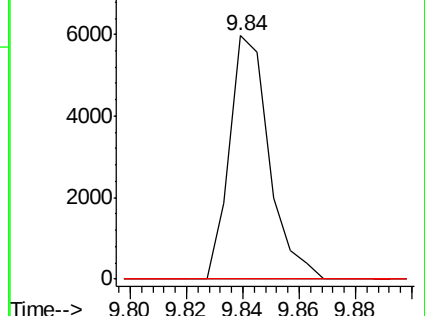
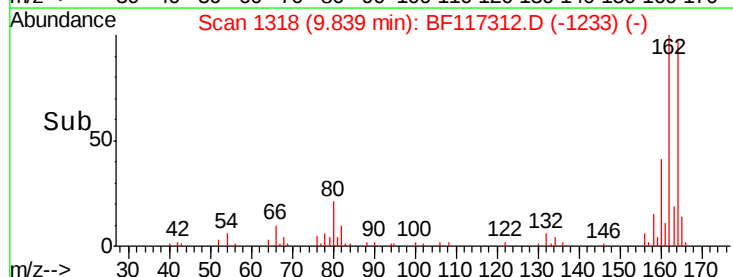
89 0.0 46.5 69.7#

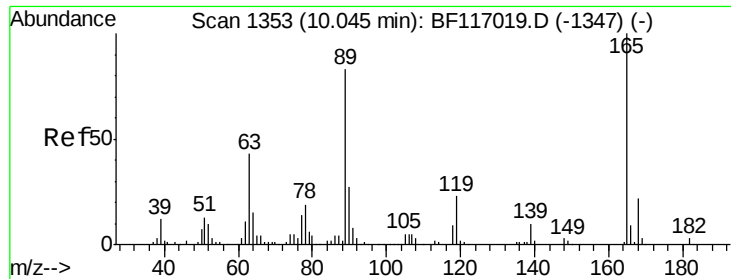


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

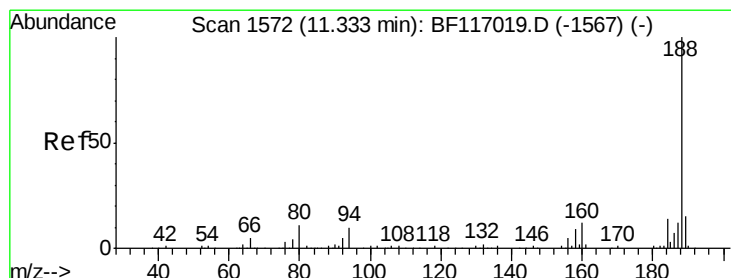
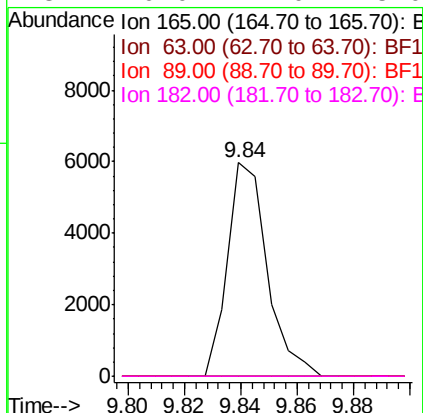
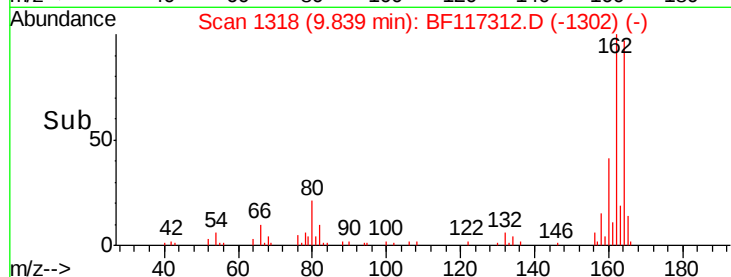
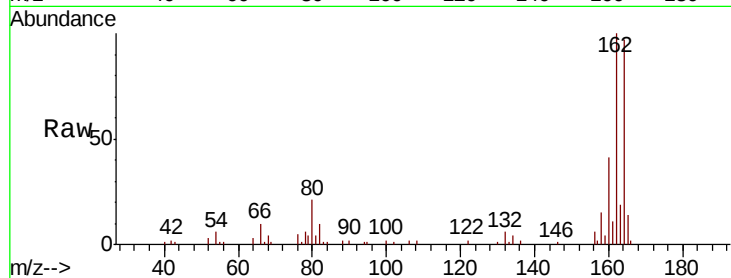




#57
 2,4-Dinitrotoluene
 Concen: 6.893 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.21 min
 Lab File: BF117312.D
 Acq: 2 Oct 2019 20:56

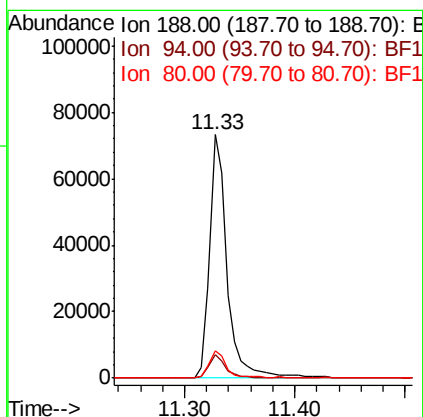
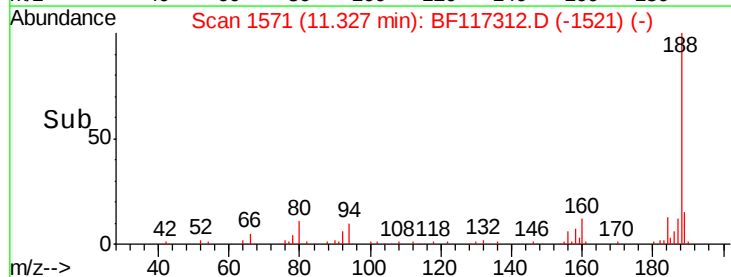
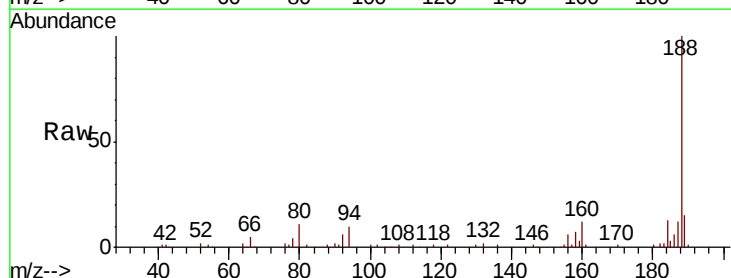
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 5829
 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# 1571
 Delta R.T. -0.01 min
 Lab File: BF117312.D
 Acq: 2 Oct 2019 20:56

Tgt Ion:188 Resp: 78438
 Ion Ratio Lower Upper
 188 100
 94 9.8 8.2 12.2
 80 11.4 9.0 13.6

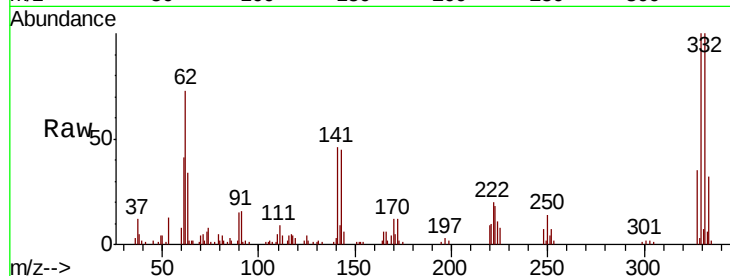




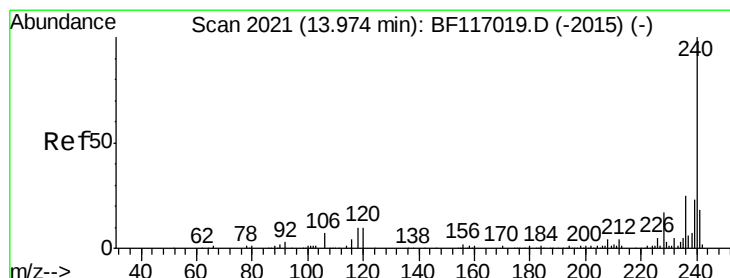
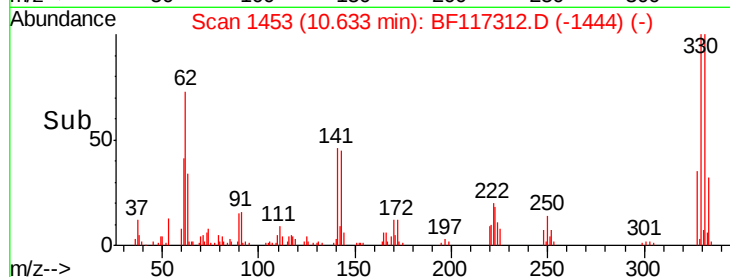
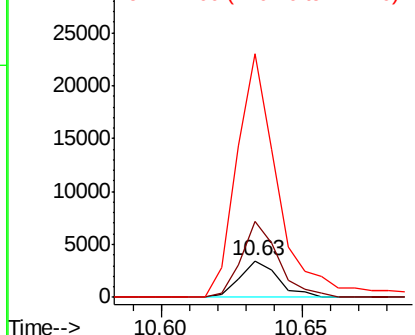
#67
4-Bromophenyl-phenylether
Concen: 4.143 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.25 min
Lab File: BF117312.D
Acq: 2 Oct 2019 20:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 3319
Ion Ratio Lower Upper
248 100
250 204.9 76.2 114.4#
141 661.1 75.0 112.4#

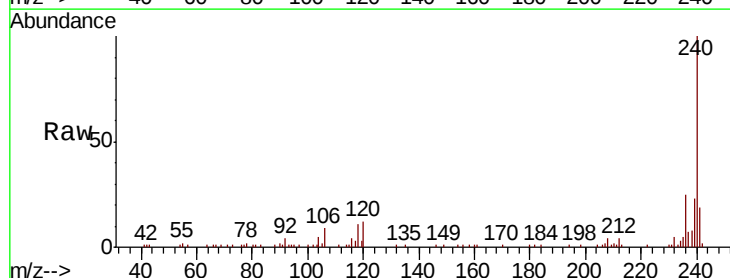


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

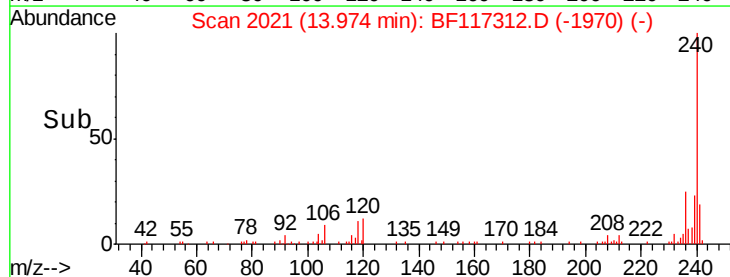
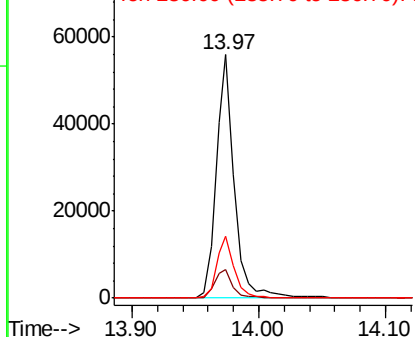


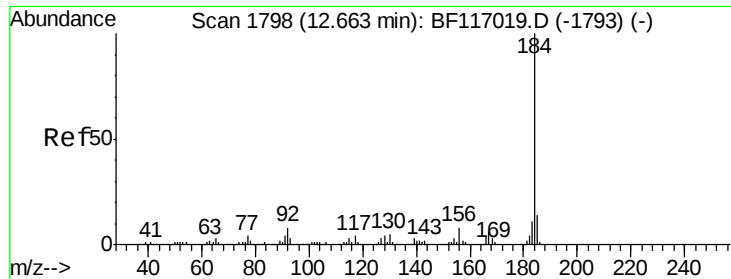
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.00 min
Lab File: BF117312.D
Acq: 2 Oct 2019 20:56

Tgt Ion:240 Resp: 55724
Ion Ratio Lower Upper
240 100
120 11.7 8.3 12.5
236 25.3 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: 2.087 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.25 min

Lab File: BF117312.D

Acq: 2 Oct 2019 20:56

Instrument :

BNA_F

ClientSampleId :

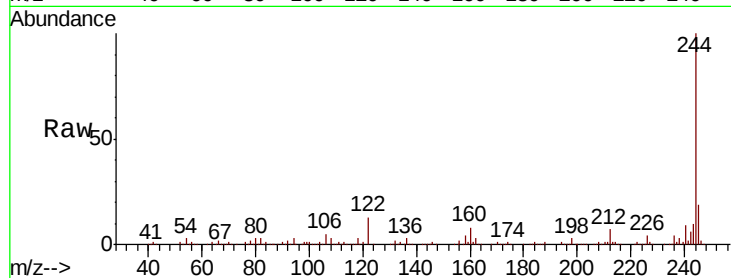
Tot Ion:184 Resp: 3746

Ion Ratio Lower Upper

184 100

185 21.5 11.6 17.4#

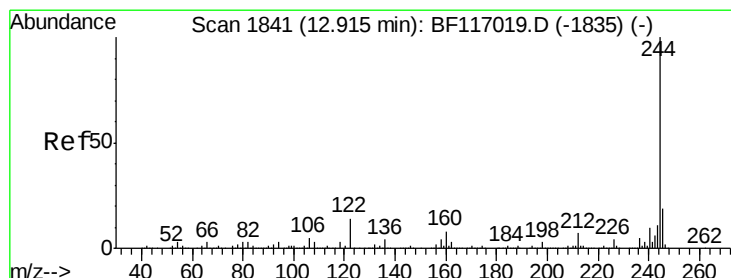
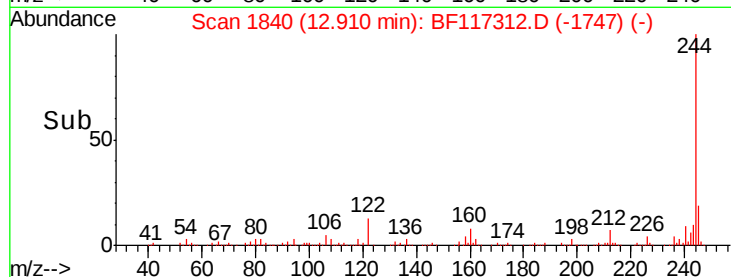
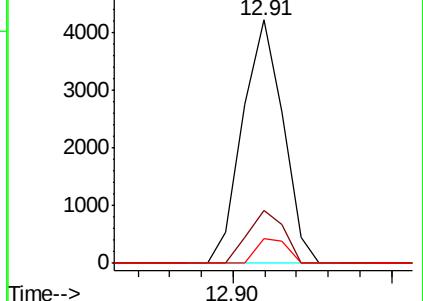
183 10.1 9.0 13.4



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: 100.335 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.01 min

Lab File: BF117312.D

Acq: 2 Oct 2019 20:56

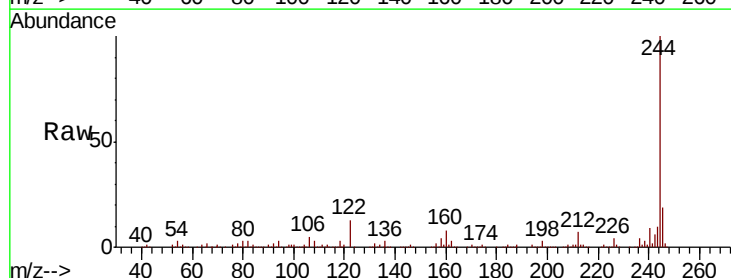
Tgt Ion:244 Resp: 299113

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

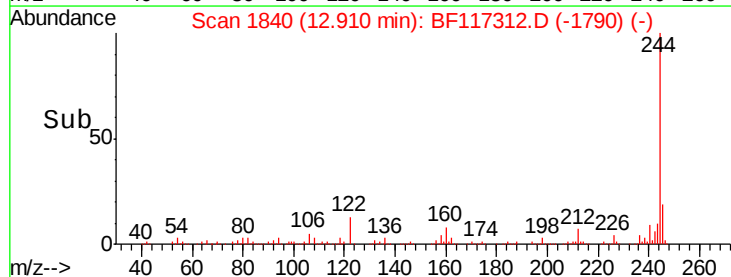
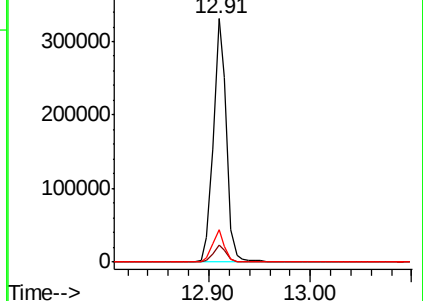
122 13.5 11.3 16.9

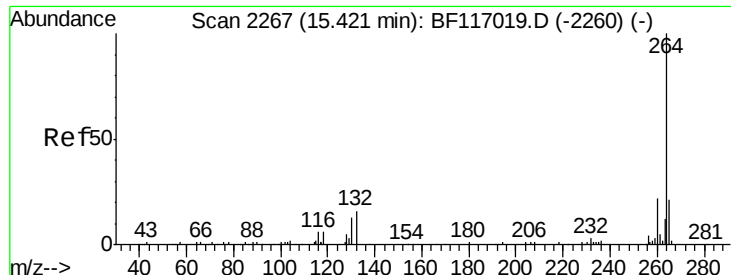


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

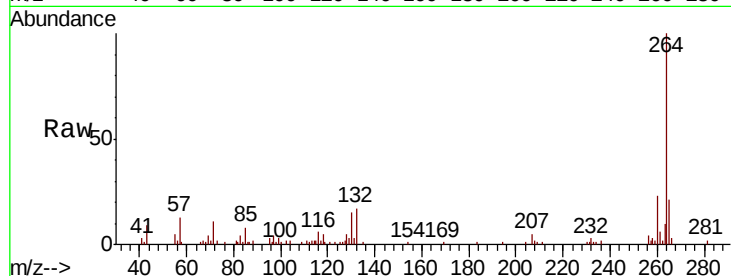




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2268
 Delta R.T. 0.01 min
 Lab File: BF117312.D
 Acq: 2 Oct 2019 20:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:264 Resp: 50831
 Ion Ratio Lower Upper
 264 100
 260 22.7 17.6 26.4
 265 21.1 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

