

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091719\
 Data File : BF117134.D
 Acq On : 18 Sep 2019 3:30
 Operator : HP/JU
 Sample : K4873-08
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-29

Quant Time: Sep 18 05:27:24 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

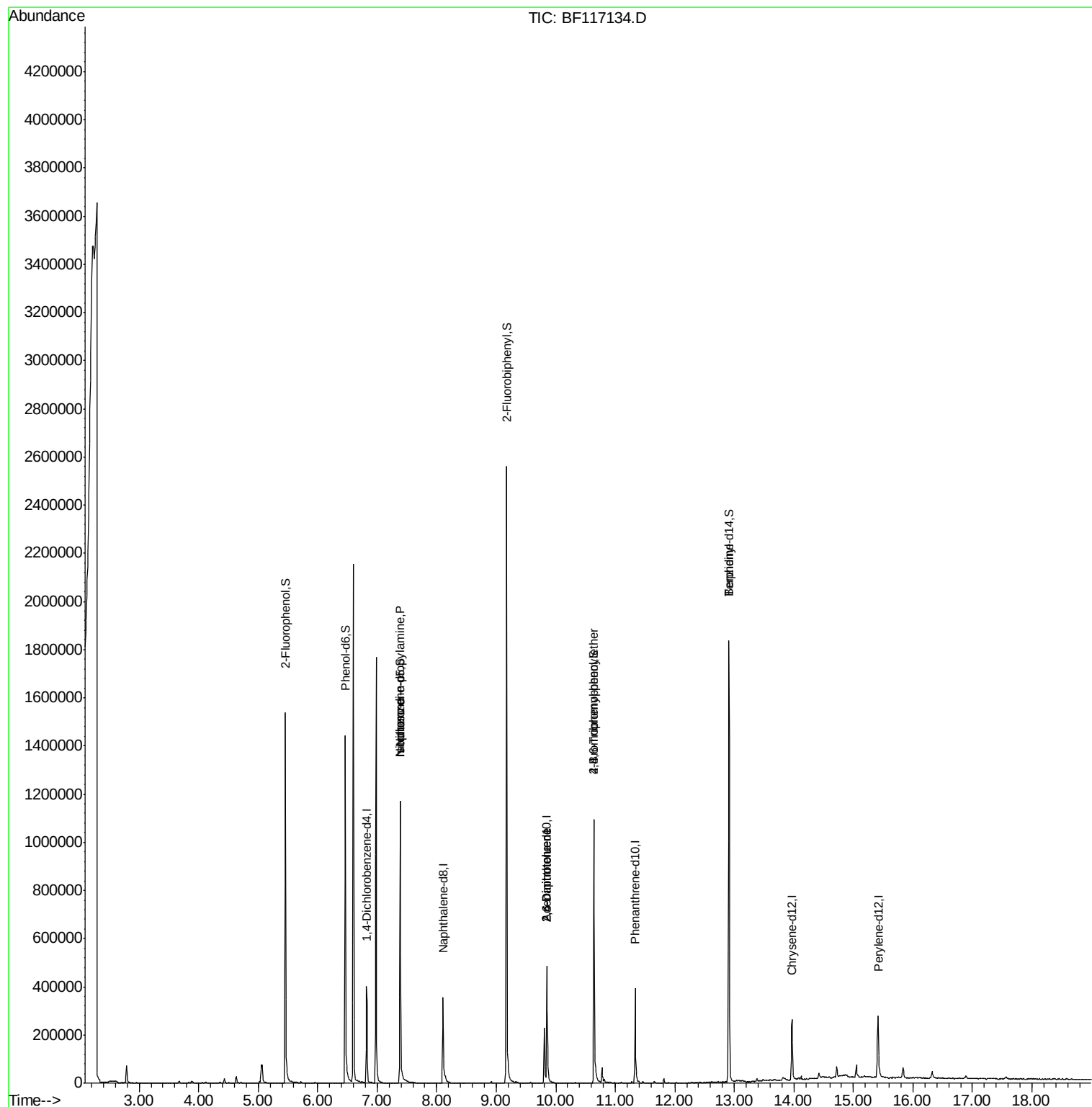
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	62135	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	239187	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	119479	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	177385	20.00	ng	0.00
76) Chrysene-d12	13.97	240	109750	20.00	ng	0.00
87) Perylene-d12	15.42	264	123268	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	504950	126.88	ng	0.02
7) Phenol-d6	6.46	99	602588	117.16	ng	0.00
23) Nitrobenzene-d5	7.39	82	478503	105.11	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	146129	146.34	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	809044	105.88	ng	0.00
79) Terphenyl-d14	12.91	244	619003	105.43	ng	0.00
Target Compounds						
9) Benzaldehyde	6.46	77	810	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	62119	19.834	ng	# 1
25) Isophorone	7.39	82	478500	59.366	ng	# 80
51) 2,6-Dinitrotoluene	9.85	165	14936	8.669	ng	# 66
57) 2,4-Dinitrotoluene	9.85	165	14937	6.679	ng	# 26
67) 4-Bromophenyl-phenylether	10.64	248	9288	5.127	ng	# 20
77) Benzidine	12.91	184	8581	2.427	ng	# 1
						# 93

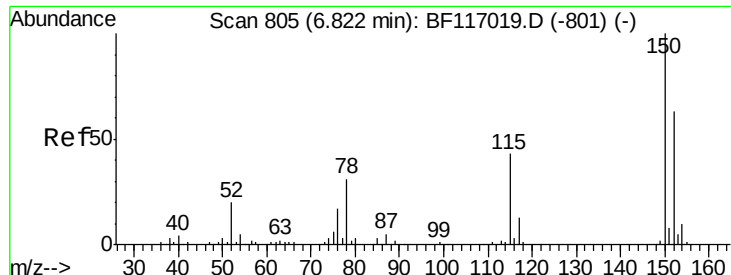
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF117134.D

Acq: 18 Sep 2019 3:30

Instrument :

BNA_F

ClientSampled :

COMP-29

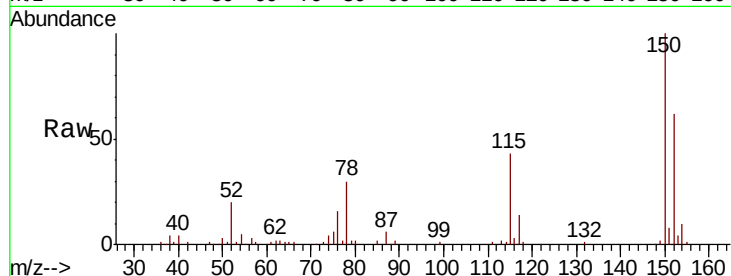
Tot Ion:152 Resp: 62135

Ion Ratio Lower Upper

152 100

150 161.0 127.5 191.3

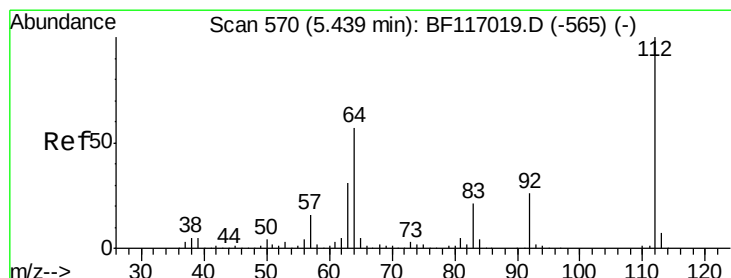
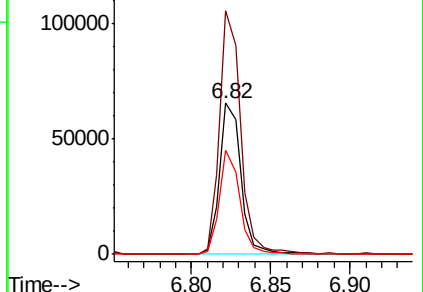
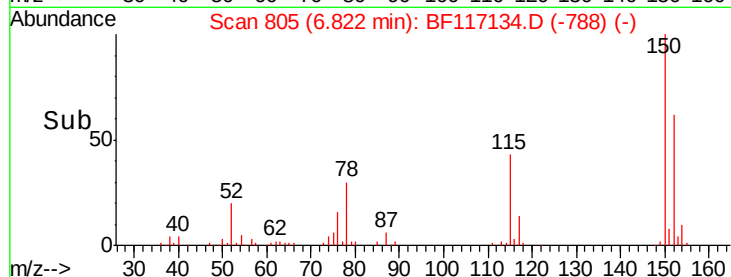
115 69.2 55.0 82.4



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: 126.877 ng

RT: 5.46 min Scan# 573

Delta R.T. 0.02 min

Lab File: BF117134.D

Acq: 18 Sep 2019 3:30

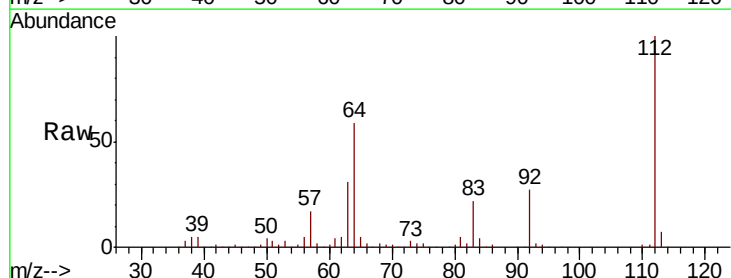
Tgt Ion:112 Resp: 504950

Ion Ratio Lower Upper

112 100

64 58.6 45.7 68.5

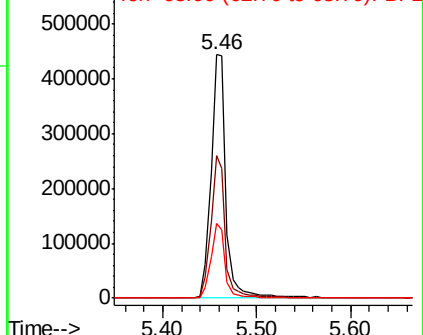
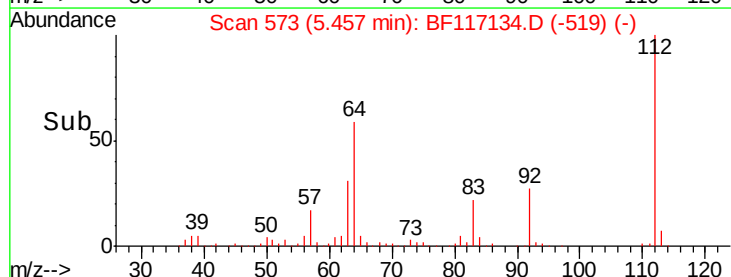
63 30.8 24.9 37.3

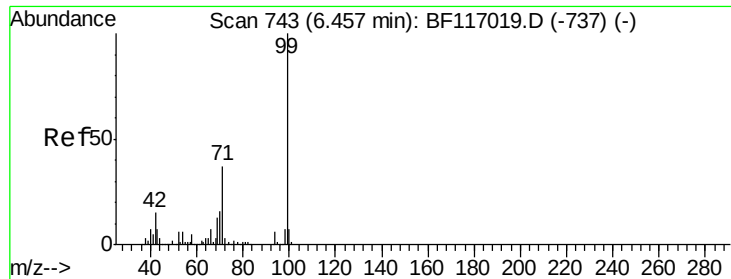


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 117.158 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF117134.D

Acq: 18 Sep 2019 3:30

Instrument :

BNA_F

ClientSampleId :

COMP-29

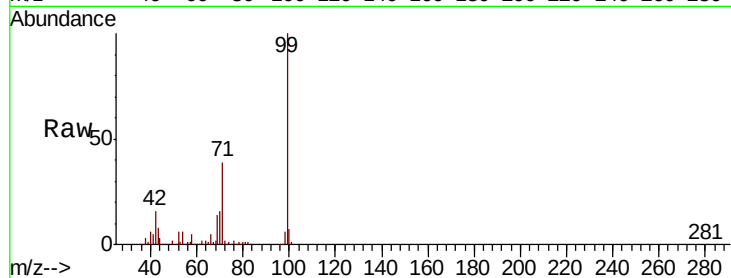
Tot Ion: 99 Resp: 602588

Ion Ratio Lower Upper

99 100

42 15.9 12.2 18.2

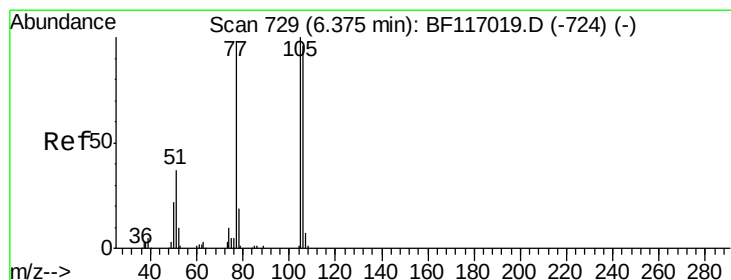
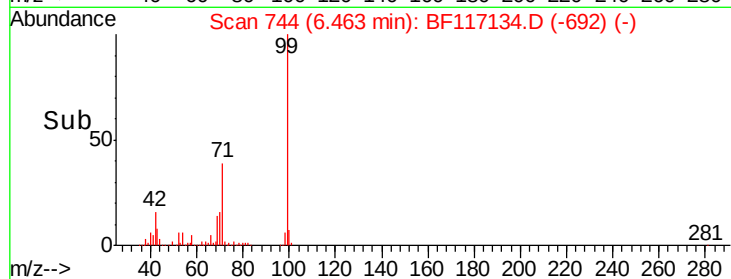
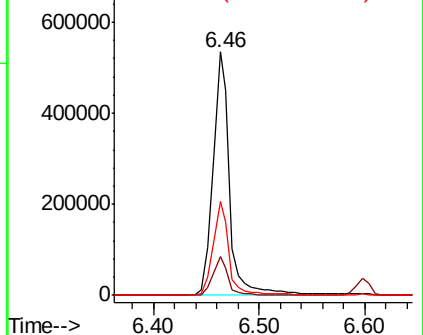
71 38.8 29.8 44.8



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: 6.46 min Scan# 744

Delta R.T. 0.09 min

Lab File: BF117134.D

Acq: 18 Sep 2019 3:30

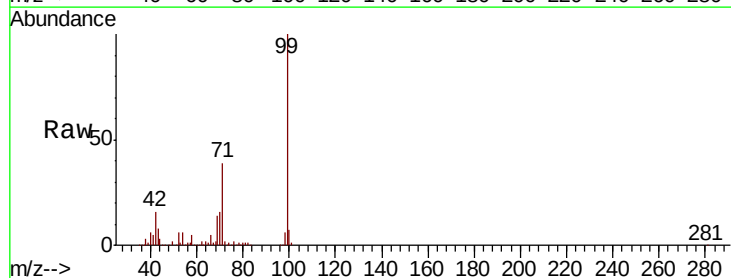
Tgt Ion: 77 Resp: 810

Ion Ratio Lower Upper

77 100

105 0.0 81.8 121.8#

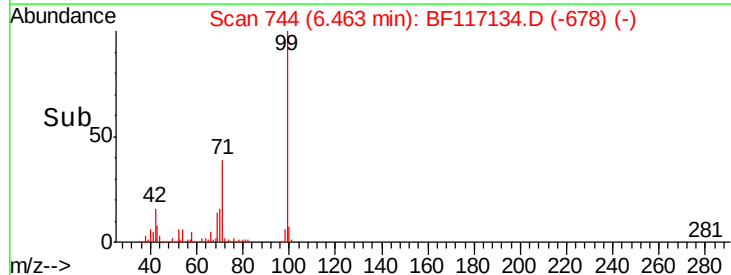
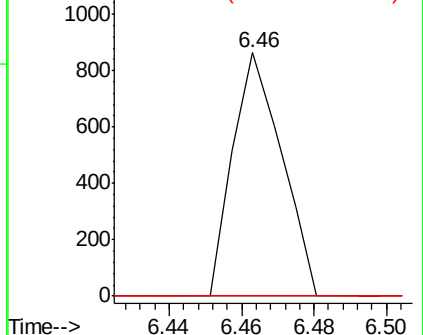
106 0.0 77.3 117.3#

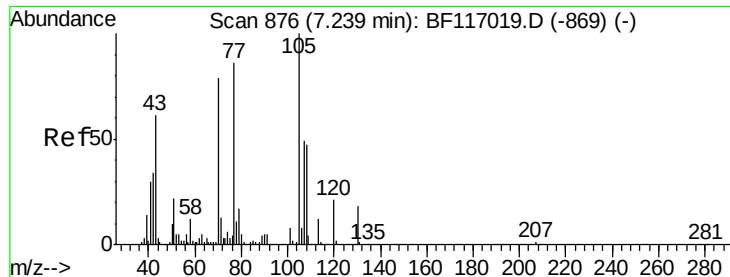


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

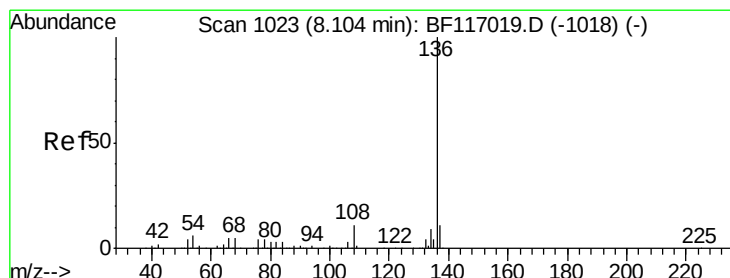
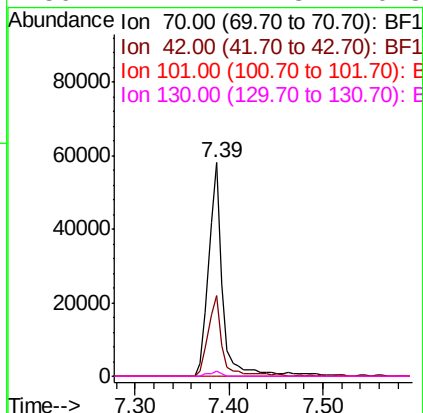
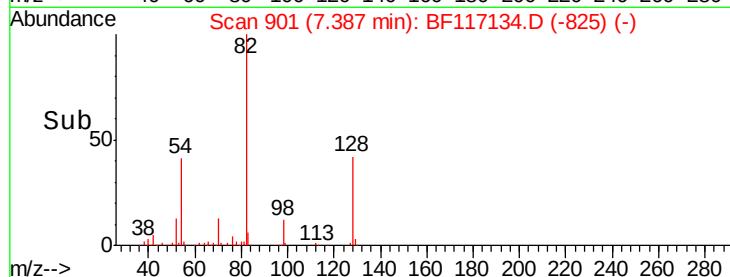
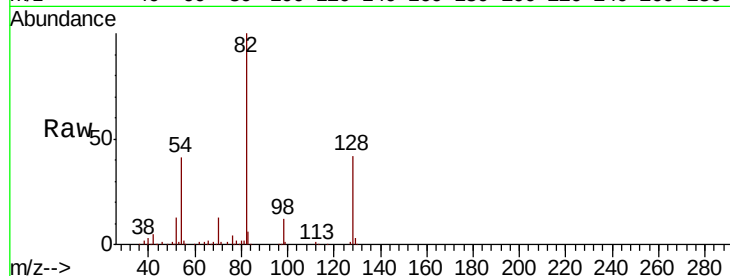




#19
n-Nitroso-di-n-propylamine
Concen: 19.834 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.15 min
Lab File: BF117134.D
Acq: 18 Sep 2019 3:30

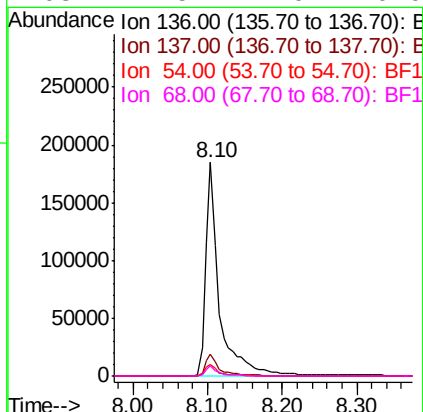
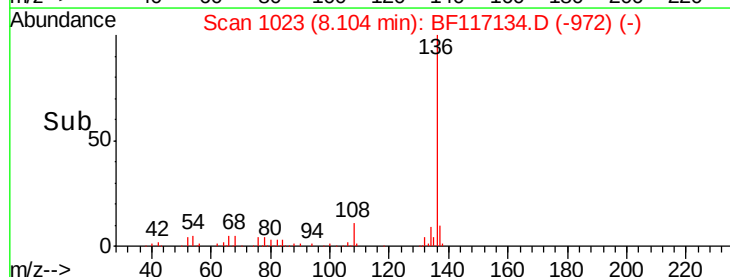
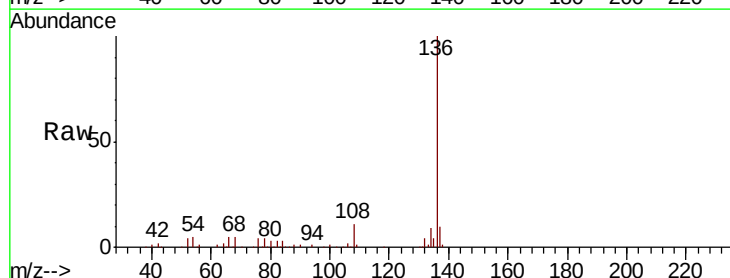
Instrument :
BNA_F
ClientSampleId :
COMP-29

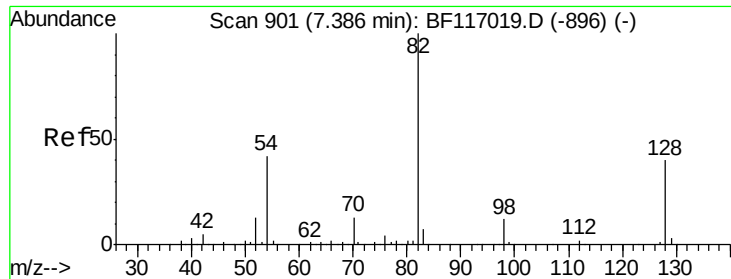
Tot Ion: 70 Resp: 62119
Ion Ratio Lower Upper
70 100
42 37.9 34.0 51.0
101 0.0 7.8 11.6#
130 2.2 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF117134.D
Acq: 18 Sep 2019 3:30

Tgt Ion: 136 Resp: 239187
Ion Ratio Lower Upper
136 100
137 10.1 9.0 13.4
54 5.2 4.5 6.7
68 4.5 4.0 6.0

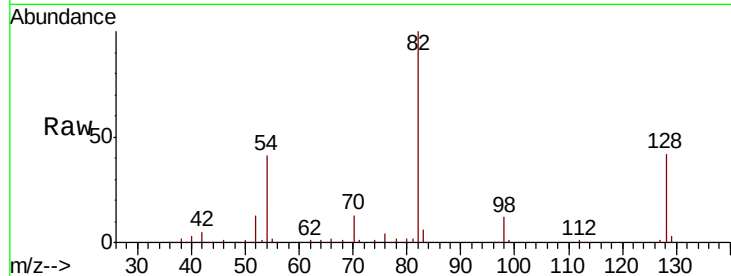




#23
 Nitrobenzene-d5
 Concen: 105.113 ng
 RT: 7.39 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: BF117134.D
 Acq: 18 Sep 2019 3:30

Instrument :
 BNA_F
 ClientSampled :
 COMP-29

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.4	32.3	48.5
54	40.9	33.3	49.9

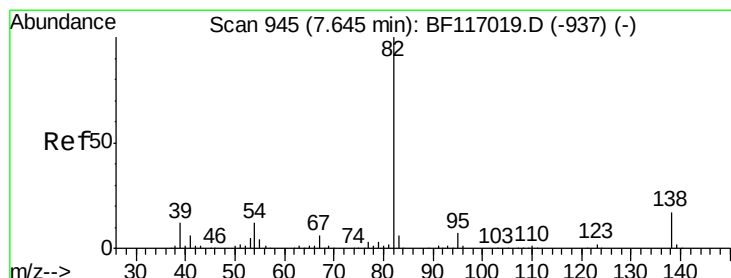
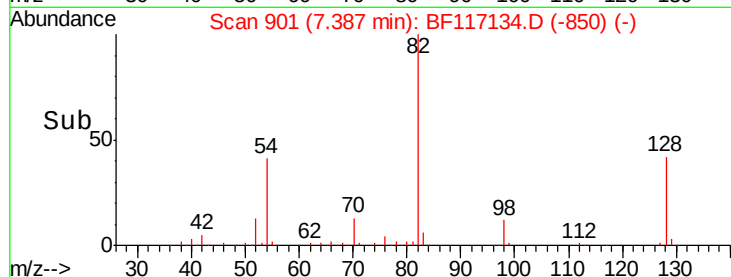
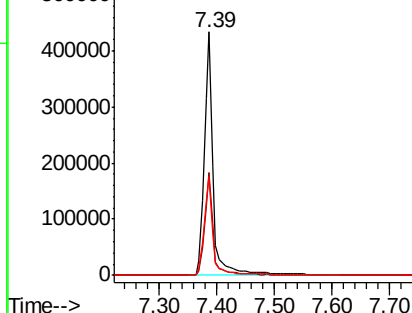


Abundance

Ion 82.00 (81.70 to 82.70): BF1

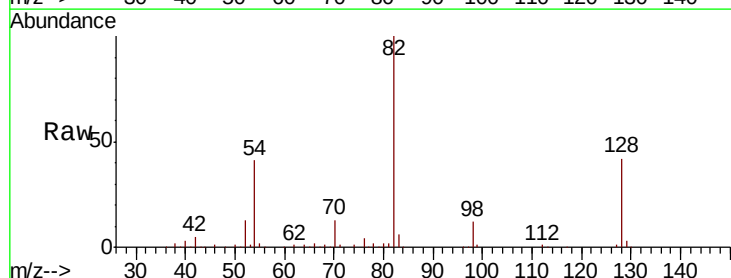
Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25
 Isophorone
 Concen: 59.366 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.26 min
 Lab File: BF117134.D
 Acq: 18 Sep 2019 3:30

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#

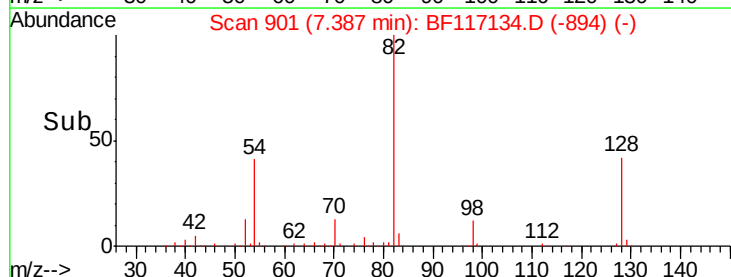
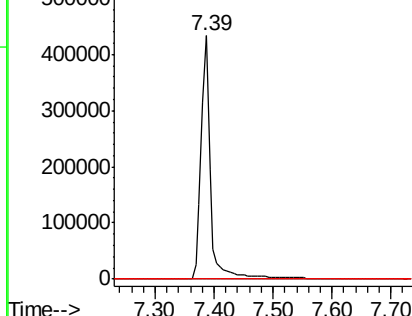


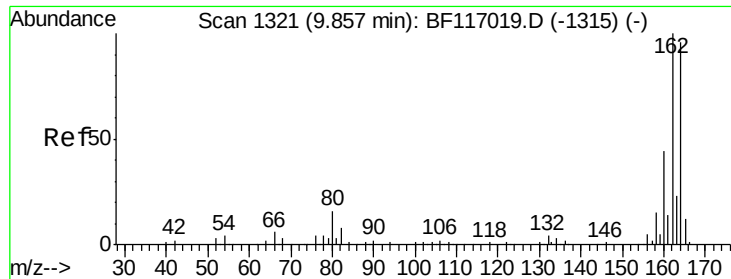
Abundance

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): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF117134.D

Acq: 18 Sep 2019 3:30

Instrument :

BNA_F

ClientSampleId :

COMP-29

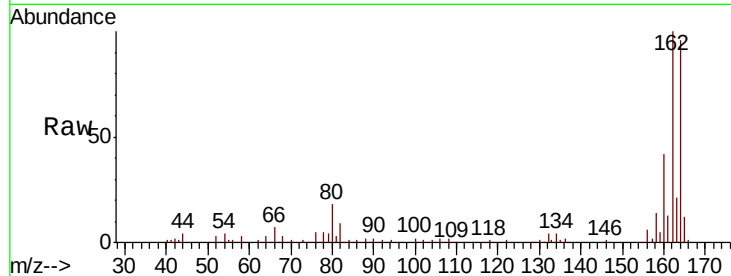
Tot Ion:164 Resp: 119479

Ion Ratio Lower Upper

164 100

162 103.6 83.4 125.2

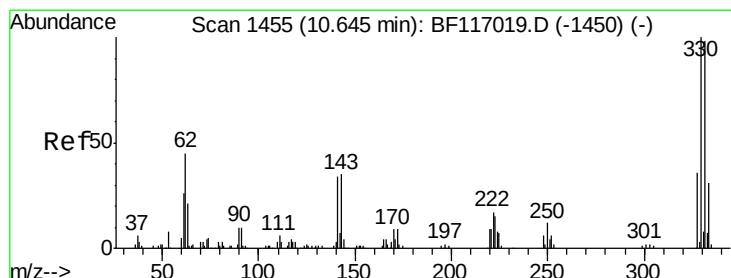
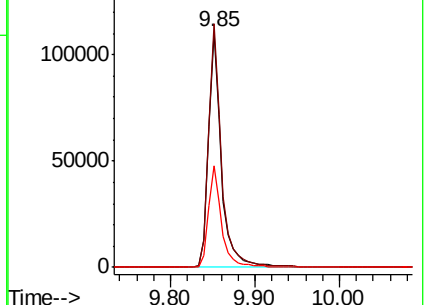
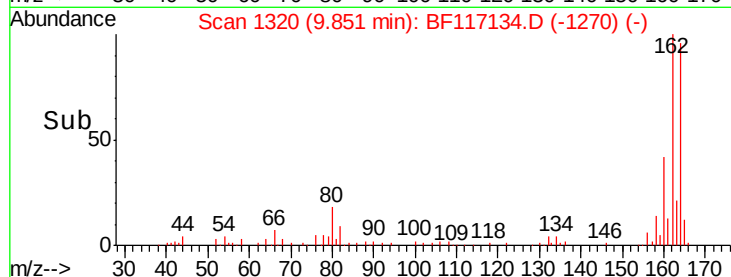
160 43.5 36.4 54.6



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: 146.338 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF117134.D

Acq: 18 Sep 2019 3:30

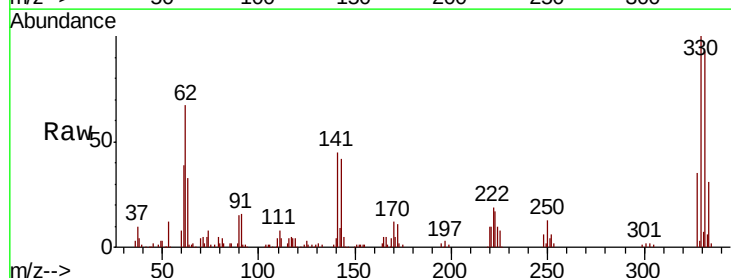
Tgt Ion:330 Resp: 146129

Ion Ratio Lower Upper

330 100

332 93.8 78.0 117.0

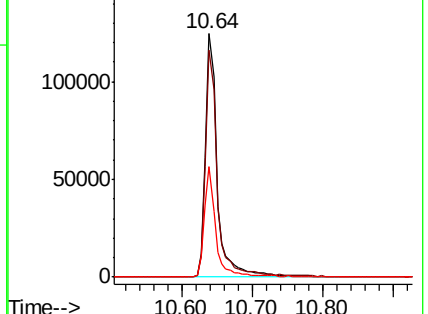
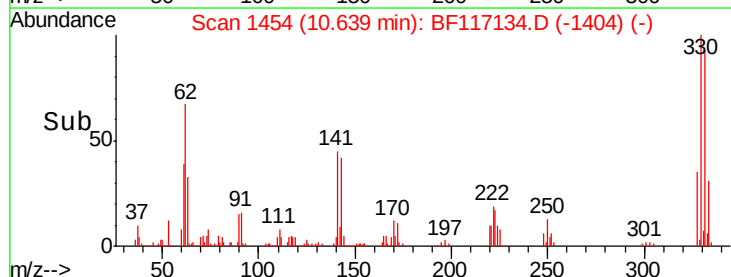
141 42.7 35.8 53.6

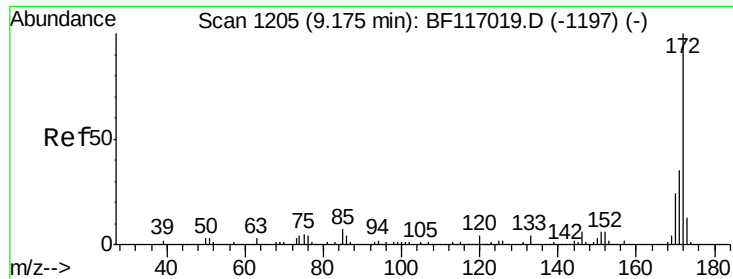


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

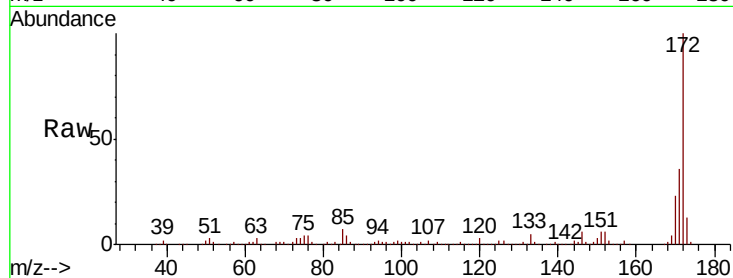




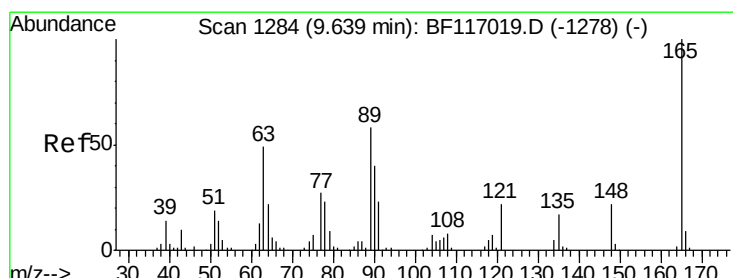
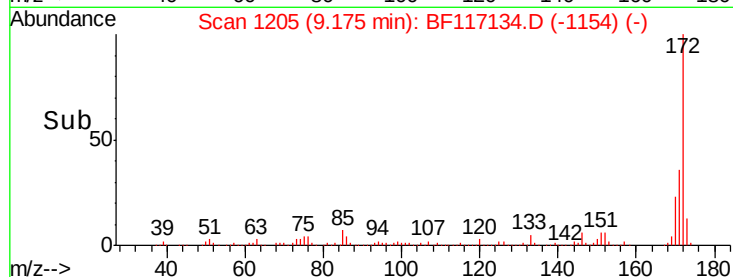
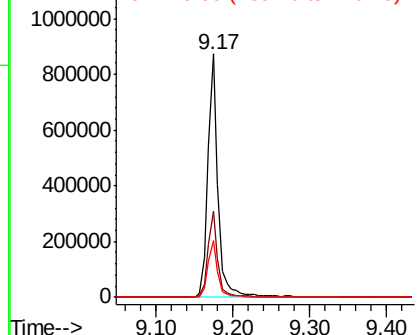
#45
2-Fluorobiphenyl
Concen: 105.876 ng
RT: 9.17 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BF117134.D
Acq: 18 Sep 2019 3:30

Instrument :
BNA_F
ClientSampleId :
COMP-29

Tot Ion:172 Resp: 809044
Ion Ratio Lower Upper
172 100
171 35.6 28.2 42.2
170 23.4 18.9 28.3

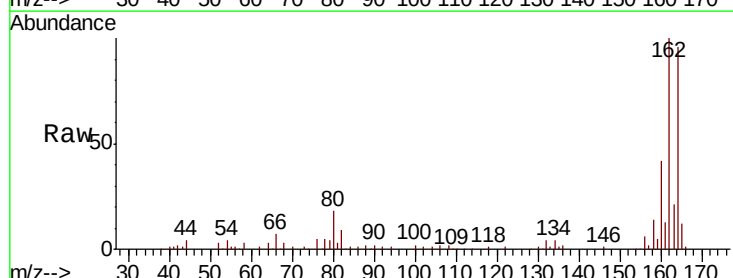


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

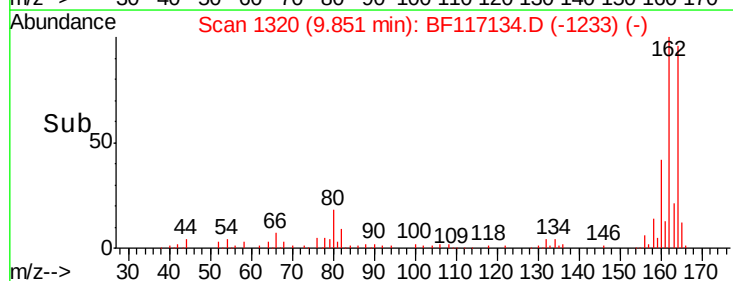
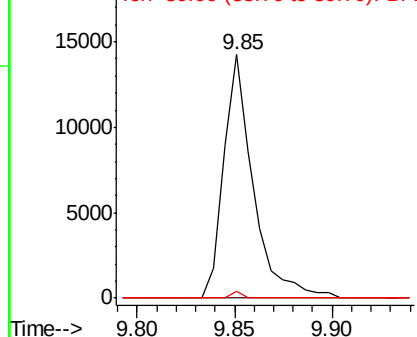


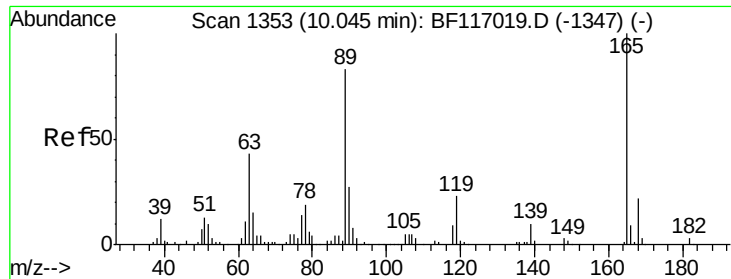
#51
2,6-Dinitrotoluene
Concen: 8.669 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.21 min
Lab File: BF117134.D
Acq: 18 Sep 2019 3:30

Tgt Ion:165 Resp: 14936
Ion Ratio Lower Upper
165 100
63 0.0 41.8 62.8#
89 2.7 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

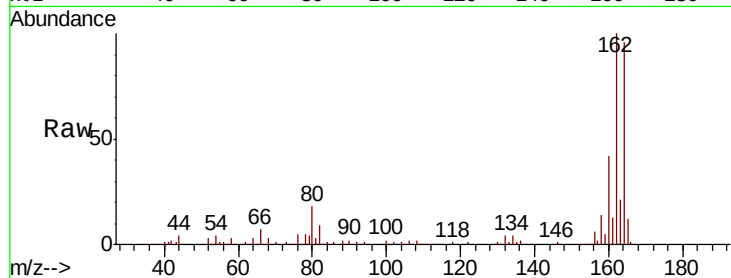




#57
 2,4-Dinitrotoluene
 Concen: 6.679 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117134.D
 Acq: 18 Sep 2019 3:30

Instrument :
 BNA_F
 ClientSampleId :
 COMP-29

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.0	52.4#
89	2.7	66.1	99.1#
182	0.0	2.0	3.0#



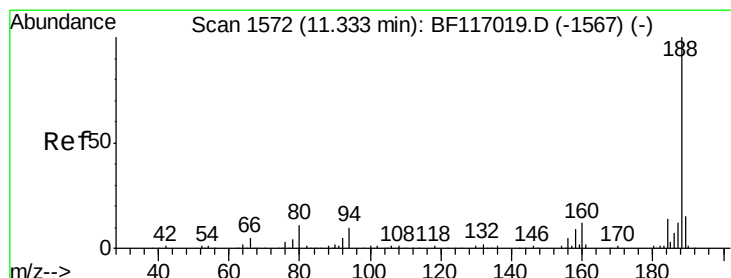
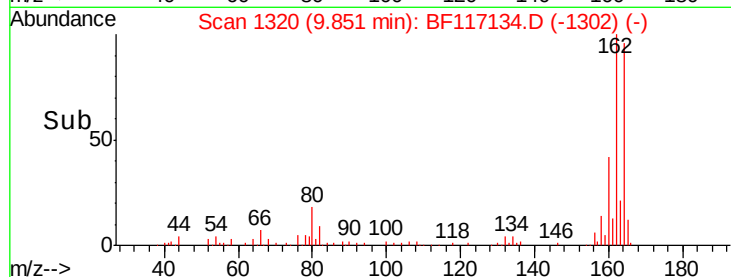
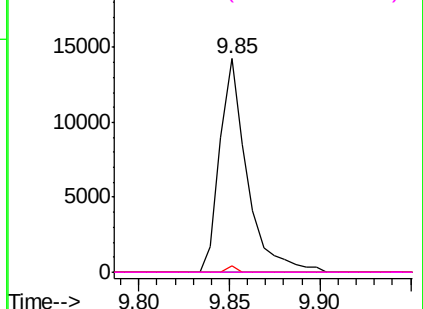
Abundance

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

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF117134.D
 Acq: 18 Sep 2019 3:30

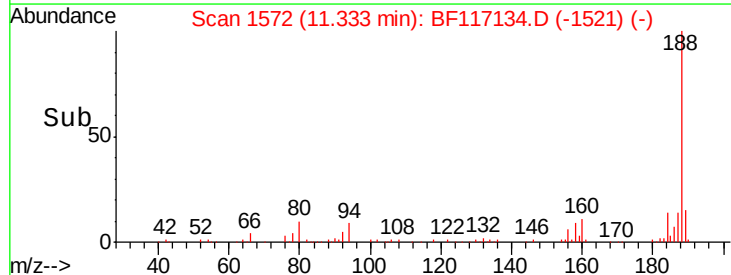
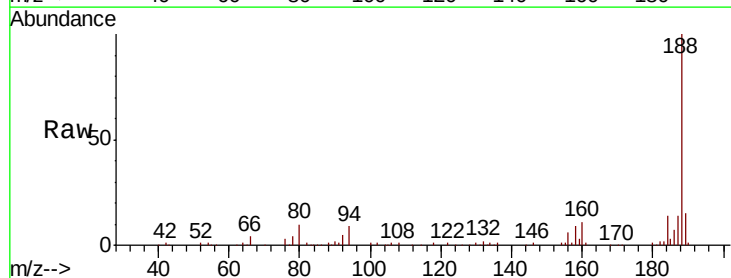
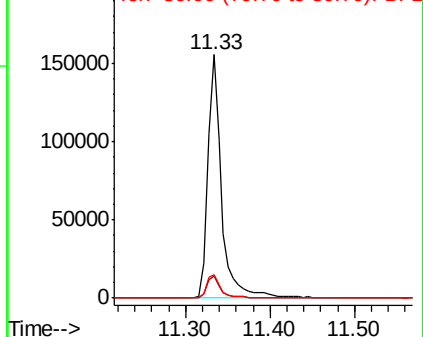
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	8.2	12.2
80	9.7	9.0	13.6

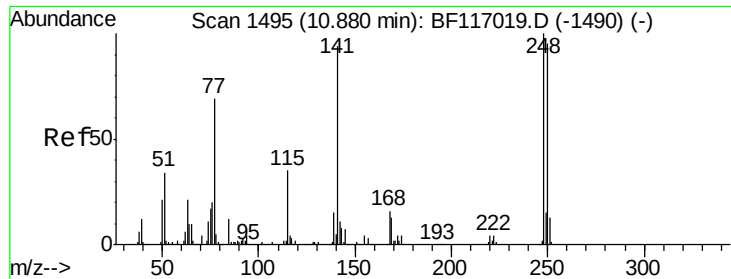
Abundance

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

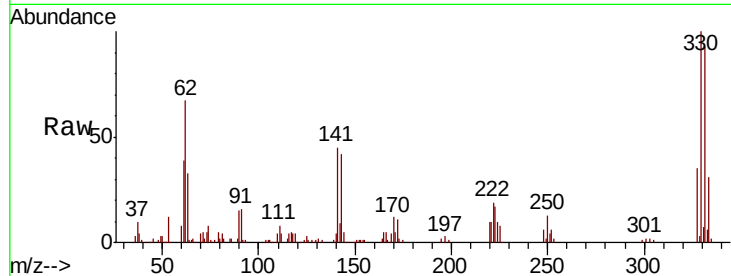




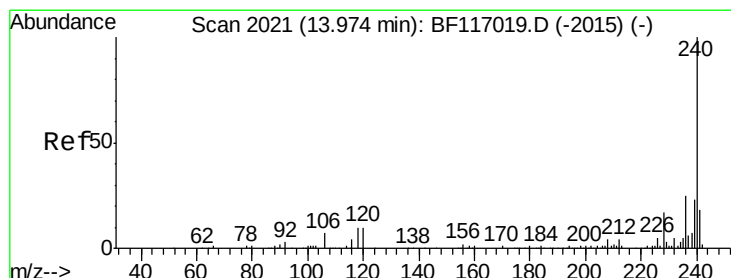
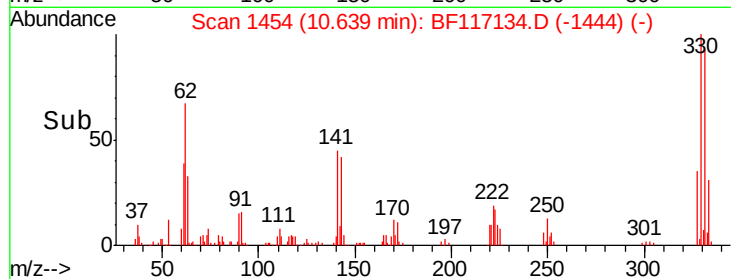
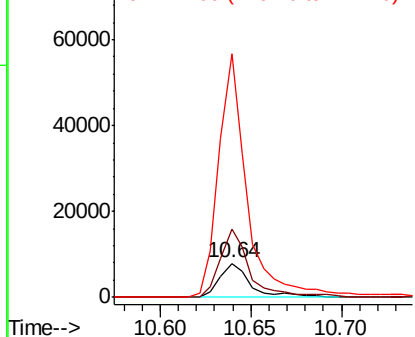
#67
 4-Bromophenyl-phenylether
 Concen: 5.127 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF117134.D
 Acq: 18 Sep 2019 3:30

Instrument :
 BNA_F
 ClientSampleId :
 COMP-29

Tot Ion:248 Resp: 9288
 Ion Ratio Lower Upper
 248 100
 250 198.7 76.2 114.4#
 141 709.5 75.0 112.4#

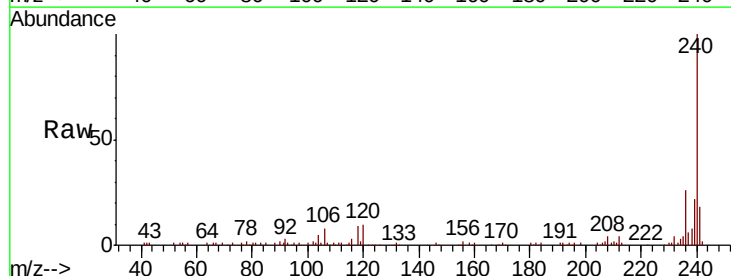


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

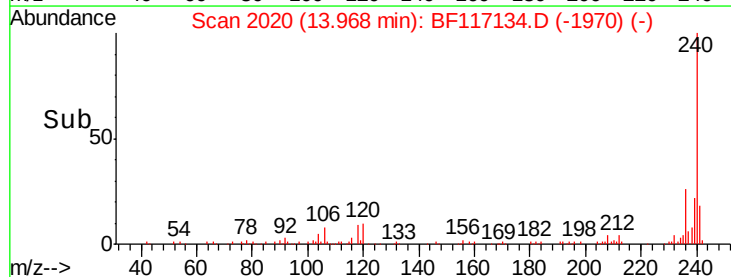
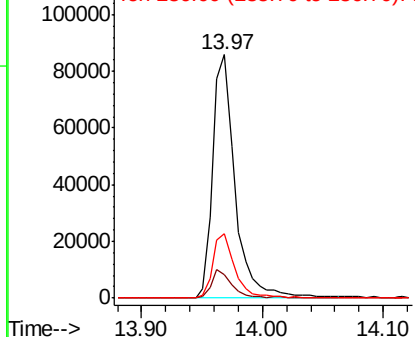


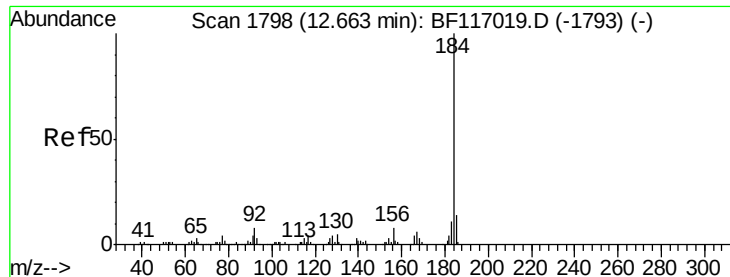
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF117134.D
 Acq: 18 Sep 2019 3:30

Tgt Ion:240 Resp: 109750
 Ion Ratio Lower Upper
 240 100
 120 9.6 8.3 12.5
 236 26.4 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: 2.427 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.25 min

Lab File: BF117134.D

Acq: 18 Sep 2019 3:30

Instrument :

BNA_F

ClientSampleId :

COMP-29

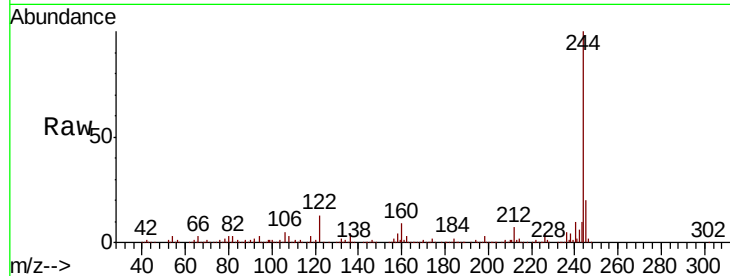
Tot Ion:184 Resp: 8581

Ion Ratio Lower Upper

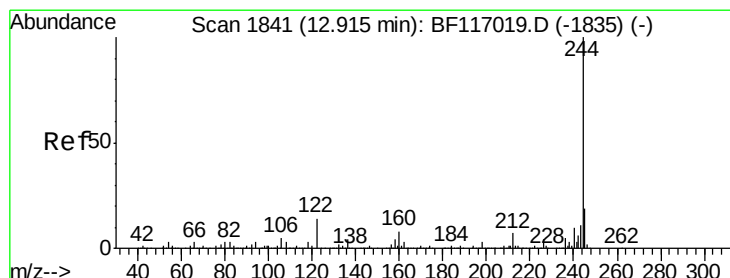
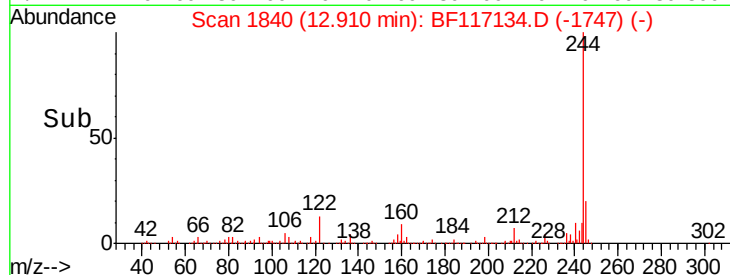
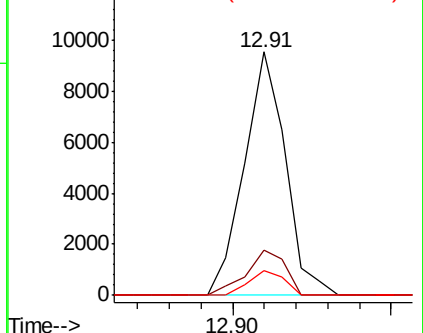
184 100

185 18.5 11.6 17.4#

183 10.3 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: 105.426 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.01 min

Lab File: BF117134.D

Acq: 18 Sep 2019 3:30

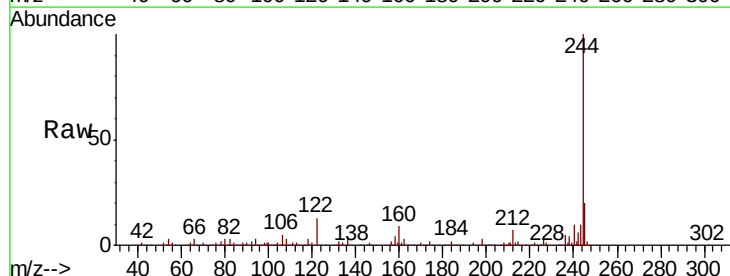
Tgt Ion:244 Resp: 619003

Ion Ratio Lower Upper

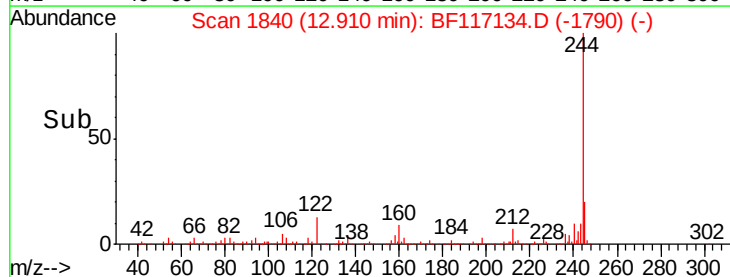
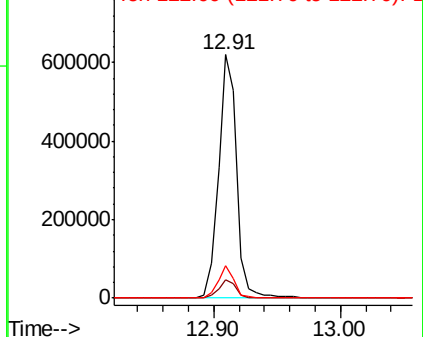
244 100

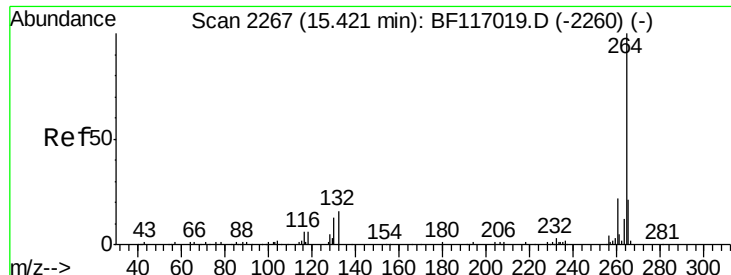
212 7.4 5.8 8.8

122 13.3 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: BF117134.D
Acq: 18 Sep 2019 3:30

Instrument :
BNA_F
ClientSampleId :
COMP-29

Tot Ion:	264	Resp:	123268
Ion	Ratio	Lower	Upper
264	100		
260	23.8	17.6	26.4
265	21.8	16.6	24.8

