

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092019\
 Data File : BF117192.D
 Acq On : 20 Sep 2019 18:17
 Operator : HP/JU
 Sample : PB123274TB
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 20 23:00:54 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	39917	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	157778	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	92234	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	155778	20.00	ng	0.00
76) Chrysene-d12	13.98	240	109363	20.00	ng	0.00
87) Perylene-d12	15.43	264	85774	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	356319	139.36	ng	0.02
7) Phenol-d6	6.46	99	477622	144.55	ng	0.00
23) Nitrobenzene-d5	7.38	82	313140	104.28	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	130267	168.99	ng	0.00
45) 2-Fluorobiphenyl	9.18	172	632436	107.21	ng	0.00
79) Terphenyl-d14	12.93	244	694033	118.62	ng	0.01

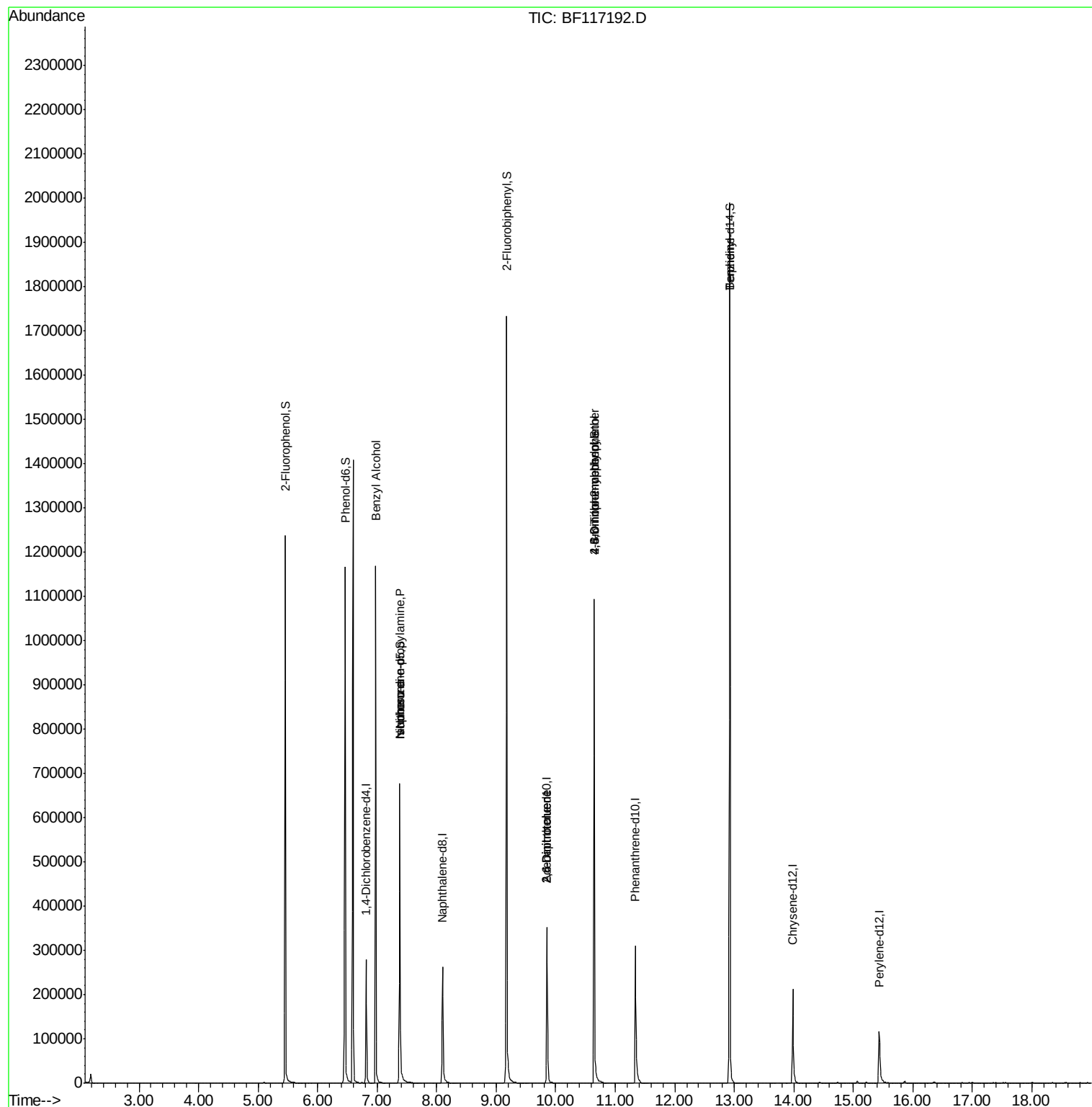
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.46	77	652	Below Cal		# 1
15) Benzyl Alcohol	6.97	79	5315	2.098	ng	# 44
19) n-Nitroso-di-n-propylamine	7.38	70	42416	21.081	ng	# 82
25) Isophorone	7.38	82	313138	58.896	ng	# 66
51) 2,6-Dinitrotoluene	9.85	165	11692	8.790	ng	# 24
57) 2,4-Dinitrotoluene	9.85	165	11692	6.772	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.65	198	267	7.224	ng	# 1
67) 4-Bromophenyl-phenylether	10.65	248	7935	4.988	ng	# 1
77) Benzidine	12.93	184	10458	2.969	ng	97

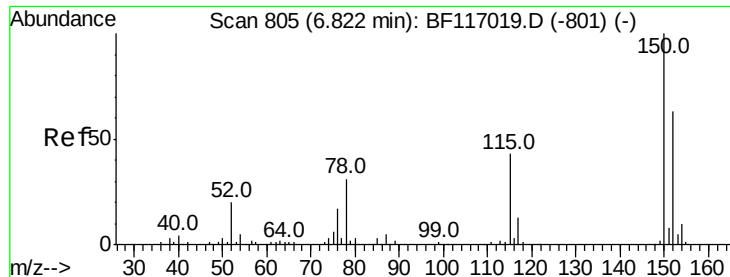
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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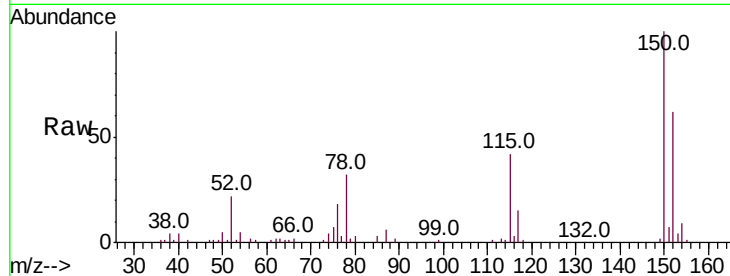


#1

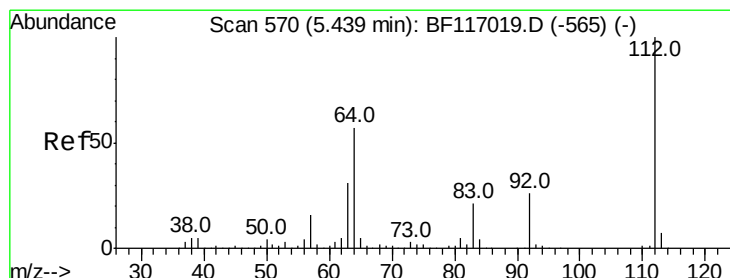
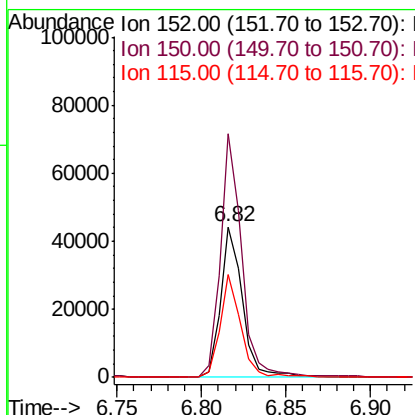
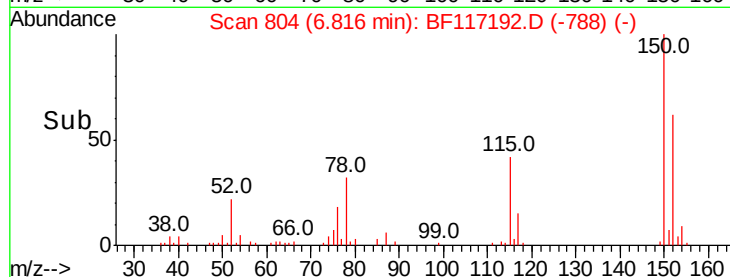
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF117192.D
Acq: 20 Sep 2019 18:17

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.9	127.5	191.3
115	68.5	55.0	82.4



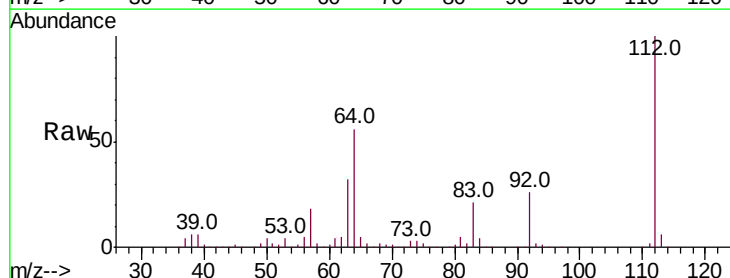
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



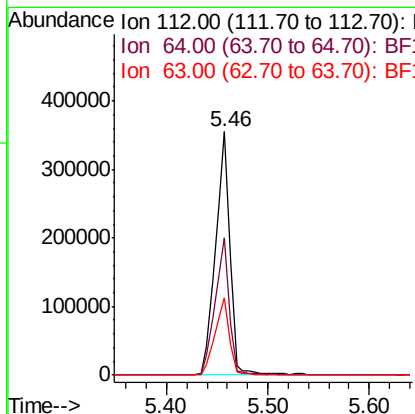
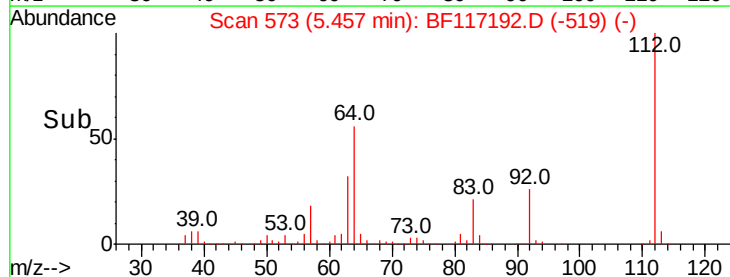
#5

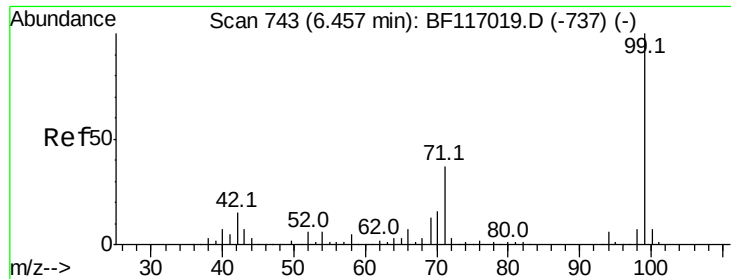
2-Fluorophenol
Concen: 139.365 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.02 min
Lab File: BF117192.D
Acq: 20 Sep 2019 18:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.4	45.7	68.5
63	31.8	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: 144.549 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF117192.D

Acq: 20 Sep 2019 18:17

Instrument :

BNA_F

ClientSampled :

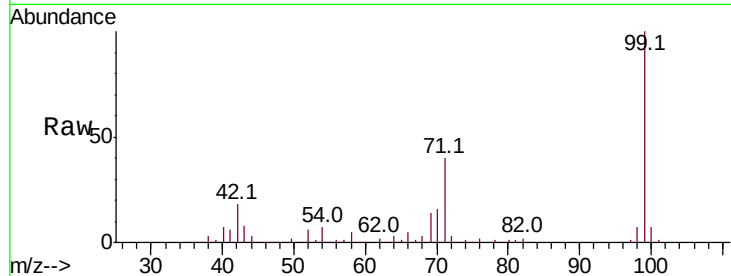
Tot Ion: 99 Resp: 477622

Ion Ratio Lower Upper

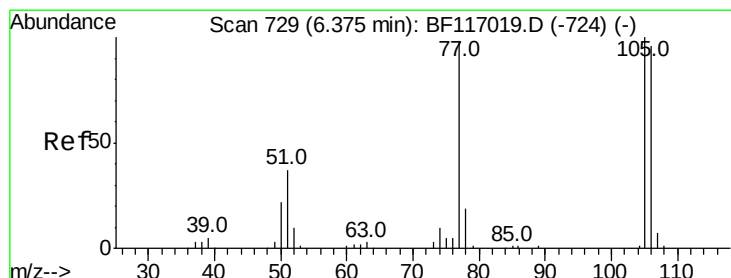
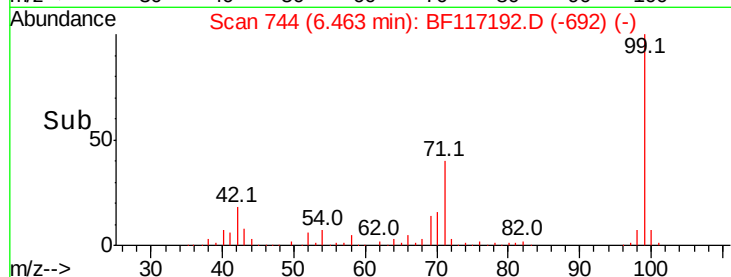
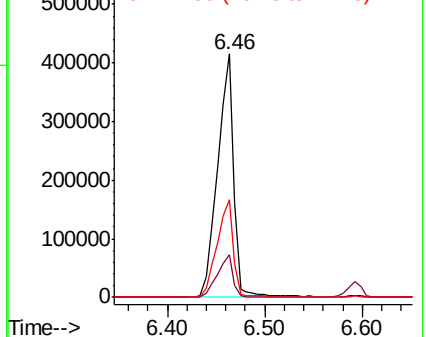
99 100

42 17.6 12.2 18.2

71 40.1 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: BF117192.D

Acq: 20 Sep 2019 18:17

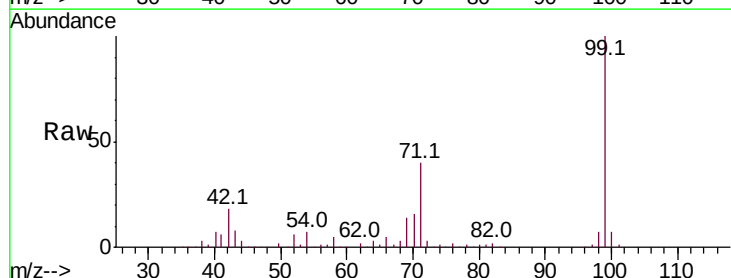
Tgt Ion: 77 Resp: 652

Ion Ratio Lower Upper

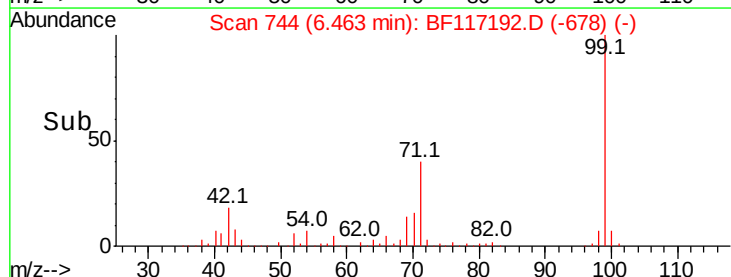
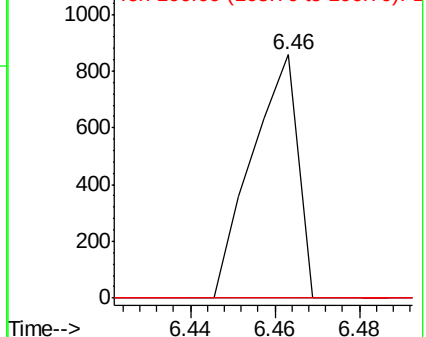
77 100

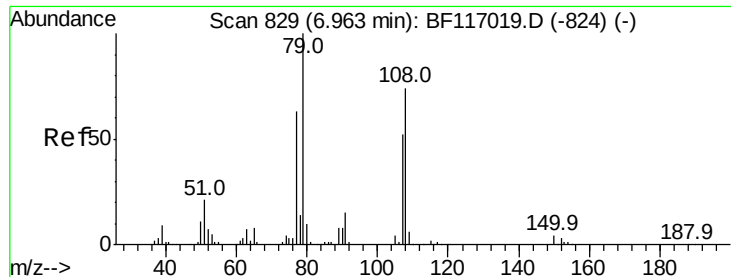
105 0.0 81.8 121.8#

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





#15

Benzyl Alcohol

Concen: 2.098 ng

RT: 6.97 min Scan# 831

Delta R.T. 0.01 min

Lab File: BF117192.D

Acq: 20 Sep 2019 18:17

Instrument :

BNA_F

ClientSampleId :

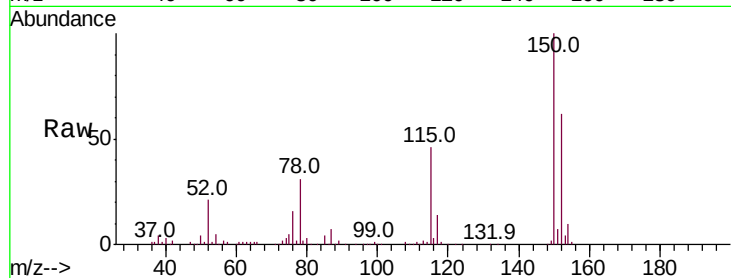
Tot Ion: 79 Resp: 5315

Ion Ratio Lower Upper

79 100

108 29.7 59.4 89.0#

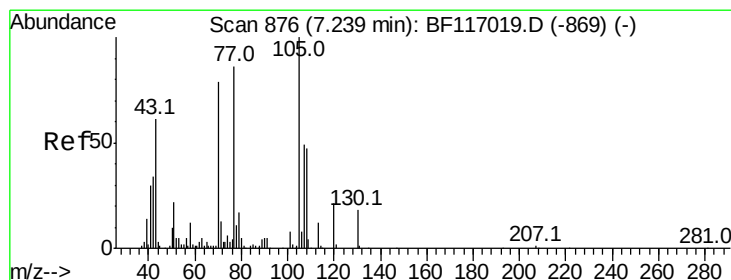
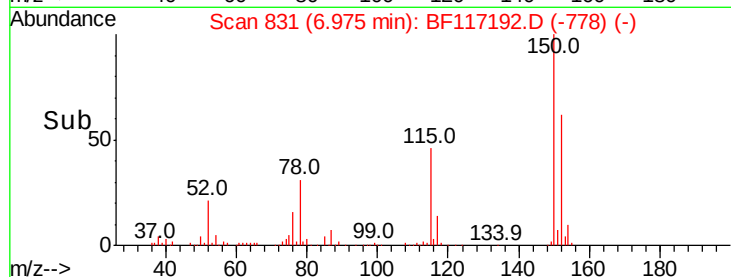
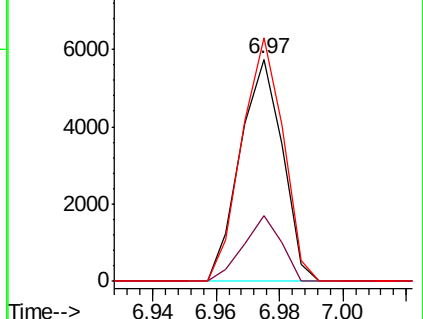
77 109.5 50.2 75.2#



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 21.081 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.14 min

Lab File: BF117192.D

Acq: 20 Sep 2019 18:17

Tgt Ion: 70 Resp: 42416

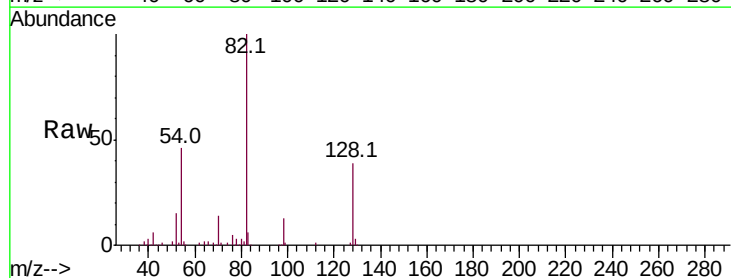
Ion Ratio Lower Upper

70 100

42 41.0 34.0 51.0

101 0.0 7.8 11.6#

130 1.7 17.8 26.8#

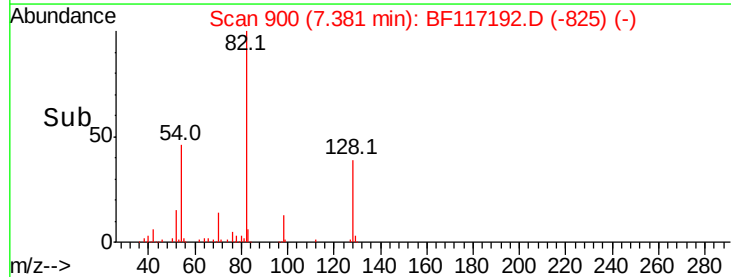
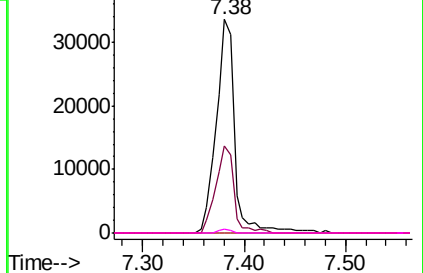


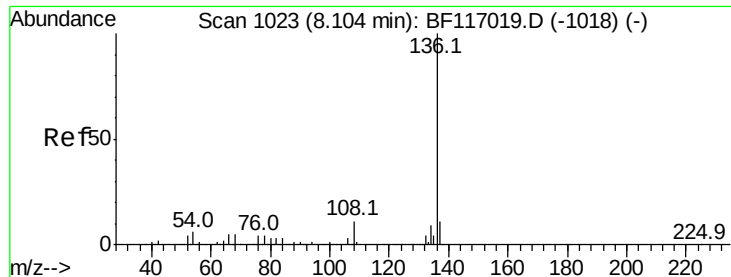
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

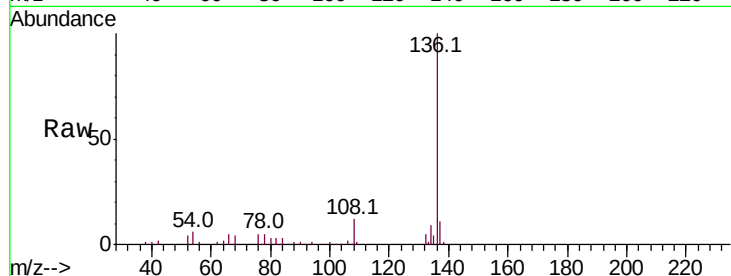




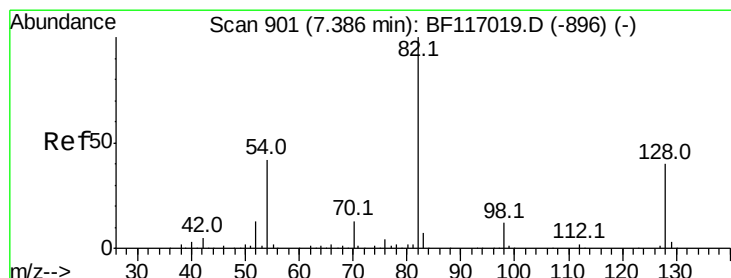
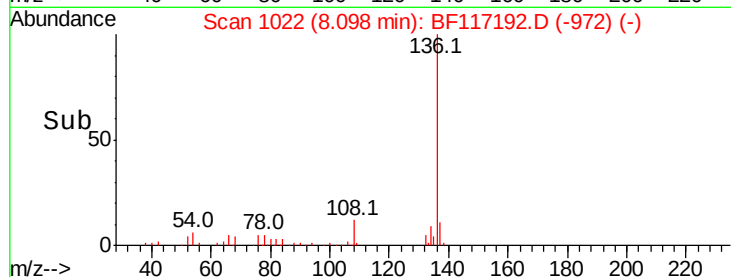
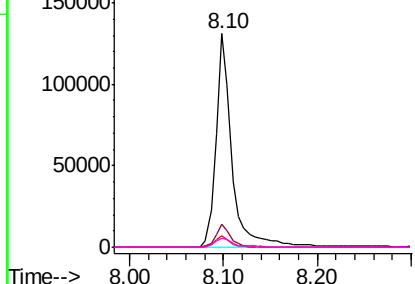
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF117192.D
Acq: 20 Sep 2019 18:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	157778
Ion	Ratio	Lower Upper
136	100	
137	11.1	9.0 13.4
54	5.5	4.5 6.7
68	4.0	4.0 6.0

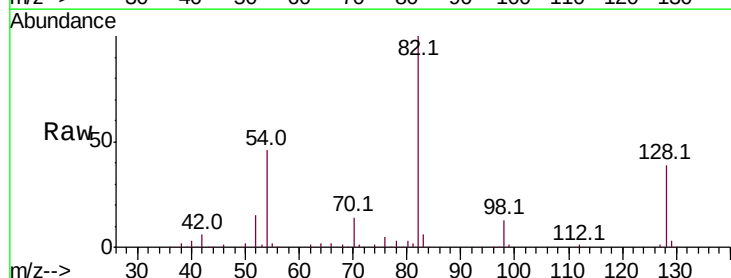


Abundance Ion 136.00 (135.70 to 136.70): E
200000 Ion 137.00 (136.70 to 137.70): E
150000 Ion 54.00 (53.70 to 54.70): BF1
100000 Ion 68.00 (67.70 to 68.70): BF1
50000
0

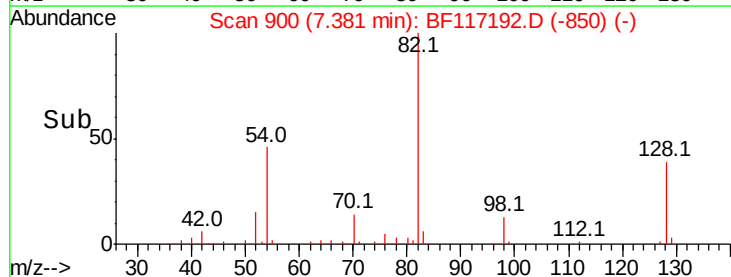
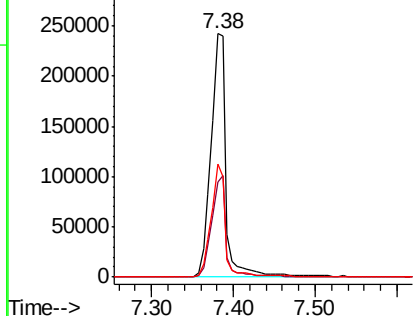


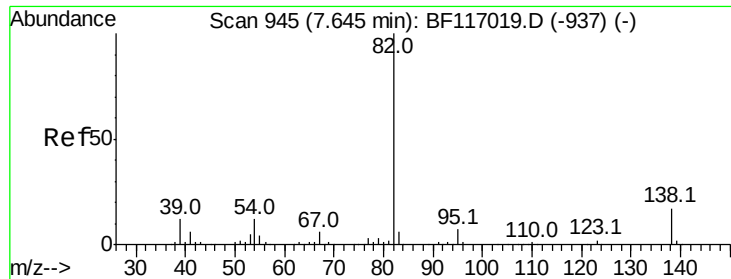
#23
Nitrobenzene-d5
Concen: 104.280 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF117192.D
Acq: 20 Sep 2019 18:17

Tgt Ion: 82	Resp:	313140
Ion	Ratio	Lower Upper
82	100	
128	39.3	32.3 48.5
54	46.2	33.3 49.9



Abundance Ion 82.00 (81.70 to 82.70): BF1
300000 Ion 128.00 (127.70 to 128.70): E
250000 Ion 54.00 (53.70 to 54.70): BF1
200000
150000
100000
50000
0





#25

Isophorone

Concen: 58.896 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.26 min

Lab File: BF117192.D

Acq: 20 Sep 2019 18:17

Instrument :

BNA_F

ClientSampleId :

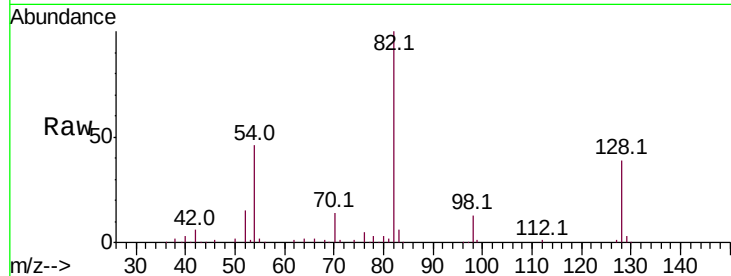
Tot Ion: 82 Resp: 313138

Ion Ratio Lower Upper

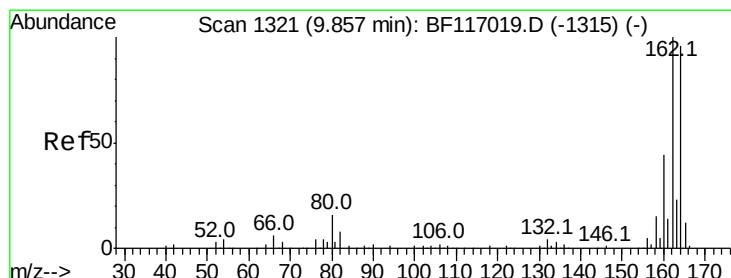
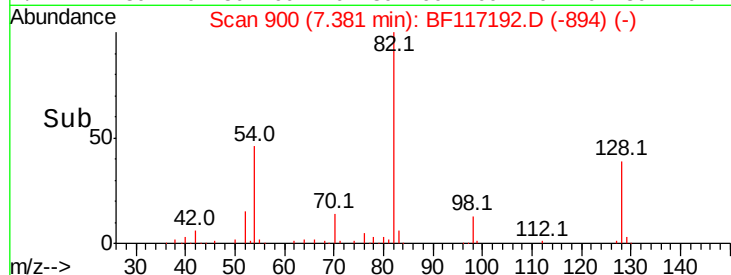
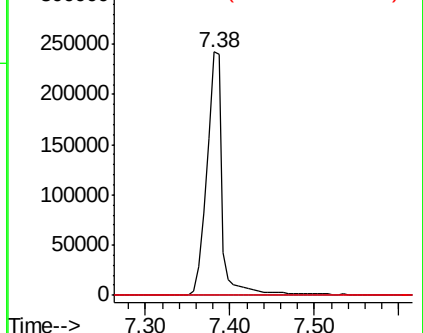
82 100

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: BF117192.D

Acq: 20 Sep 2019 18:17

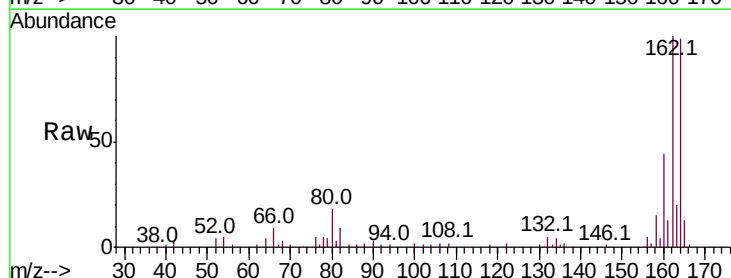
Tgt Ion: 164 Resp: 92234

Ion Ratio Lower Upper

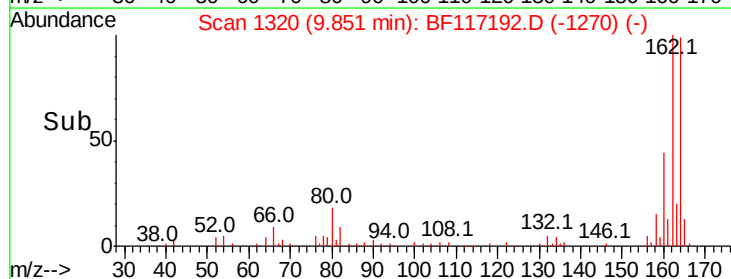
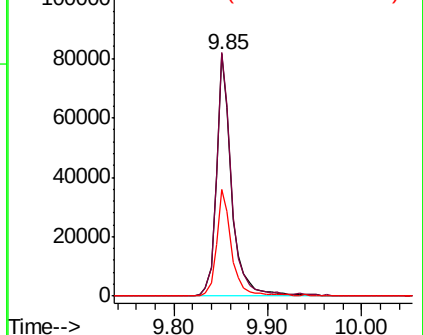
164 100

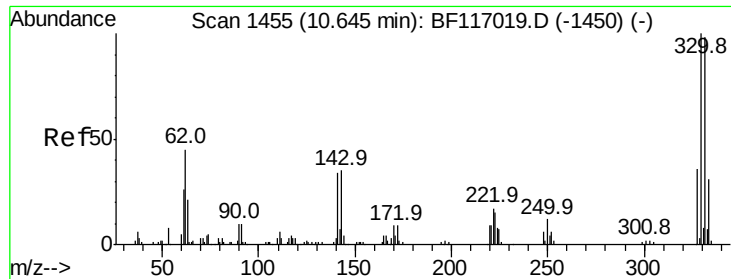
162 100.7 83.4 125.2

160 44.1 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

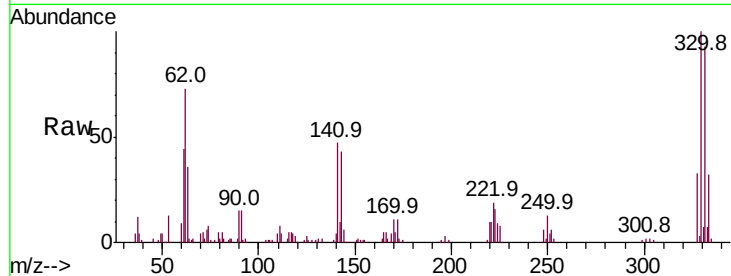




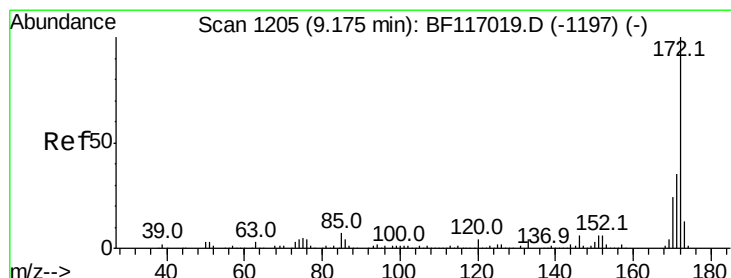
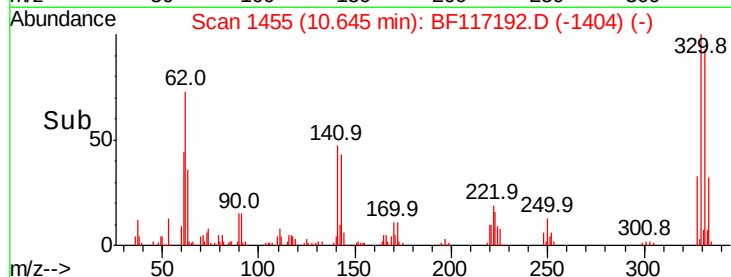
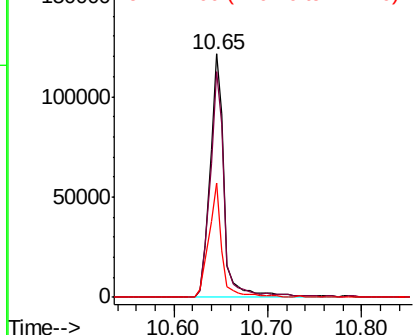
#42
 2,4,6-Tribromophenol
 Concen: 168.988 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.00 min
 Lab File: BF117192.D
 Acq: 20 Sep 2019 18:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.2	78.0	117.0
141	43.5	35.8	53.6

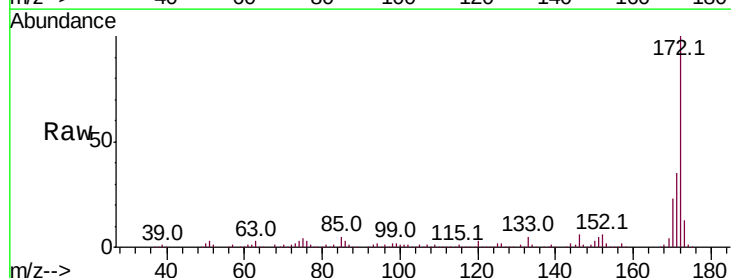


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

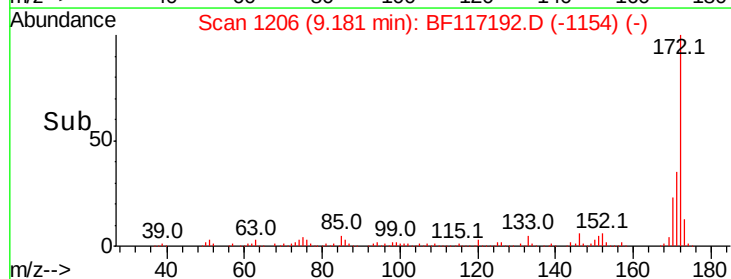
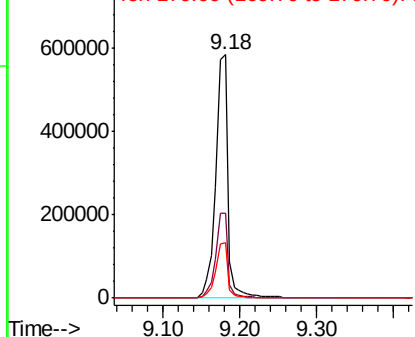


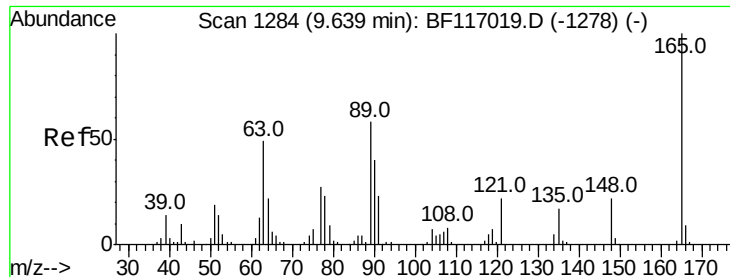
#45
 2-Fluorobiphenyl
 Concen: 107.212 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: BF117192.D
 Acq: 20 Sep 2019 18:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.2	42.2
170	22.9	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: 8.790 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.21 min

Lab File: BF117192.D

Acq: 20 Sep 2019 18:17

Instrument :

BNA_F

ClientSampled :

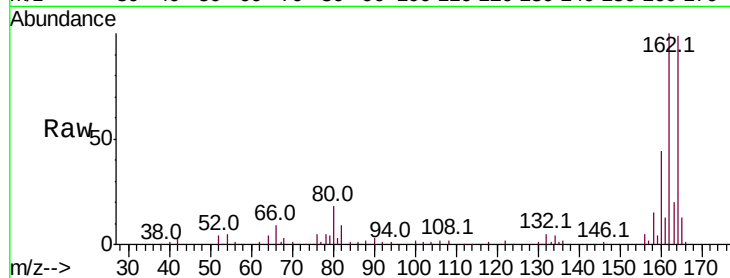
Tot Ion:165 Resp: 11692

Ion Ratio Lower Upper

165 100

63 0.0 41.8 62.8#

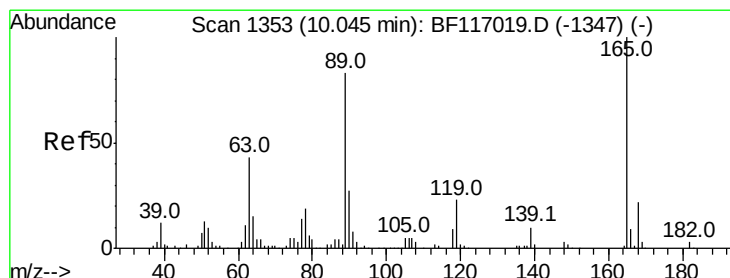
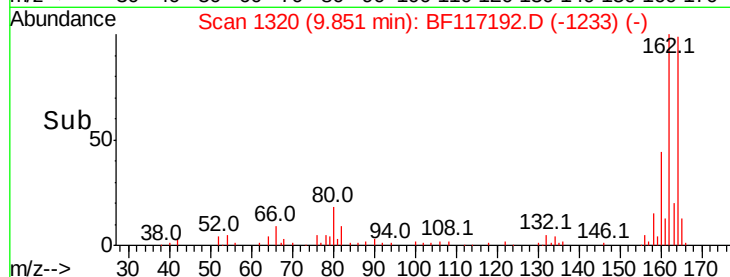
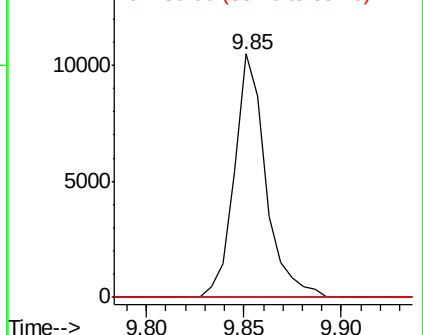
89 0.0 46.5 69.7#



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: 6.772 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.19 min

Lab File: BF117192.D

Acq: 20 Sep 2019 18:17

Tgt Ion:165 Resp: 11692

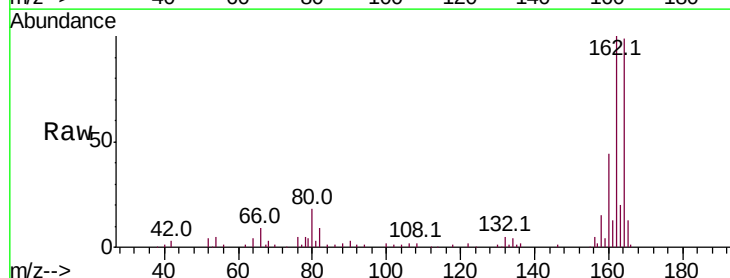
Ion Ratio Lower Upper

165 100

63 0.0 35.0 52.4#

89 0.0 66.1 99.1#

182 0.0 2.0 3.0#

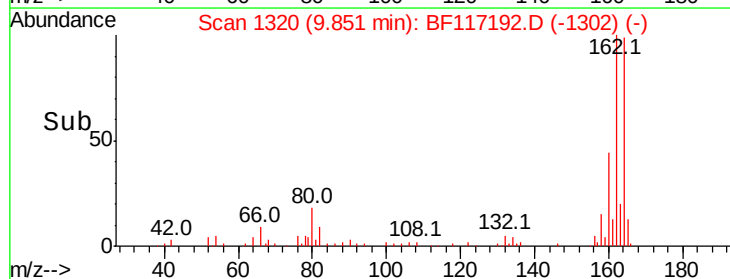
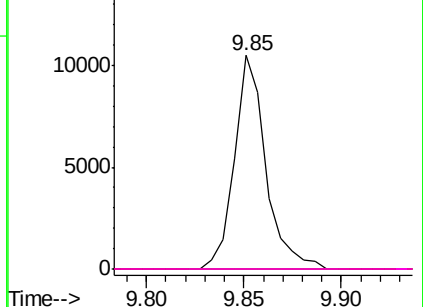


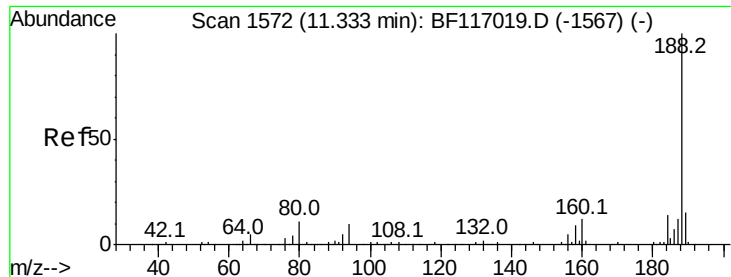
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.34 min Scan# 1573

Delta R.T. 0.01 min

Lab File: BF117192.D

Acq: 20 Sep 2019 18:17

Instrument :

BNA_F

ClientSampleId :

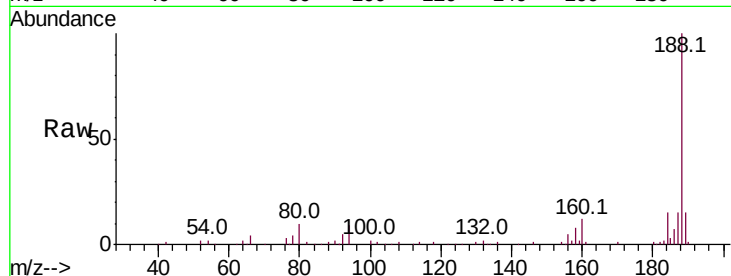
Tot Ion:188 Resp: 155778

Ion Ratio Lower Upper

188 100

94 8.5 8.2 12.2

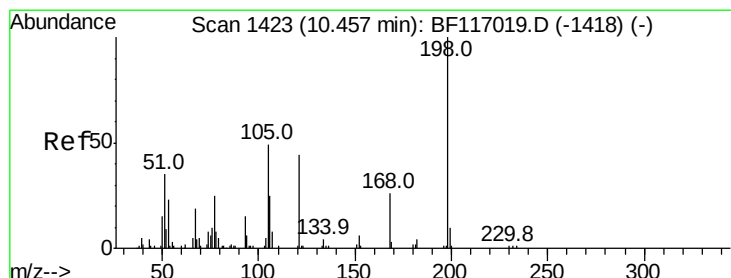
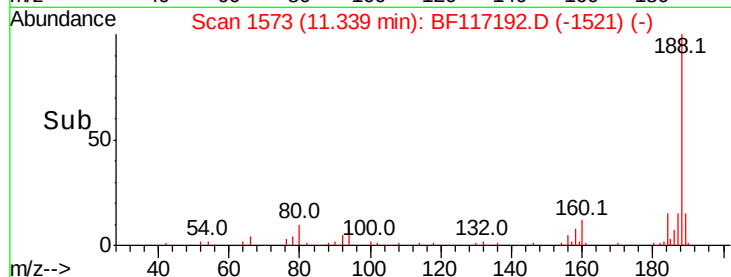
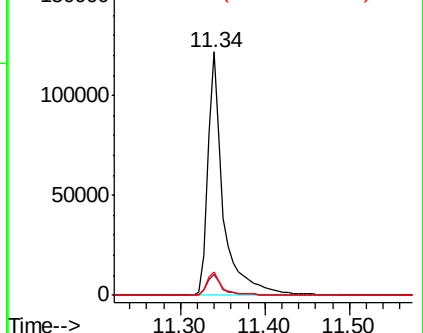
80 9.6 9.0 13.6



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



#65

4,6-Dinitro-2-methylphenol

Concen: 7.224 ng

RT: 10.65 min Scan# 1455

Delta R.T. 0.19 min

Lab File: BF117192.D

Acq: 20 Sep 2019 18:17

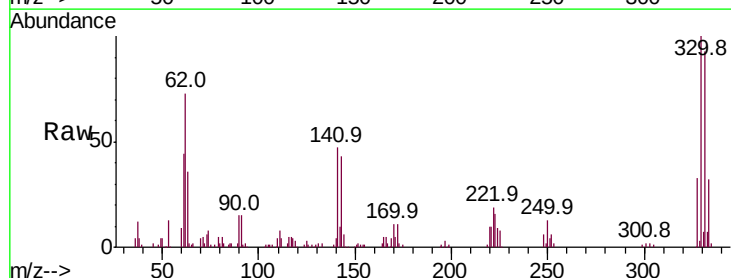
Tgt Ion:198 Resp: 267

Ion Ratio Lower Upper

198 100

51 137.0 18.7 58.7#

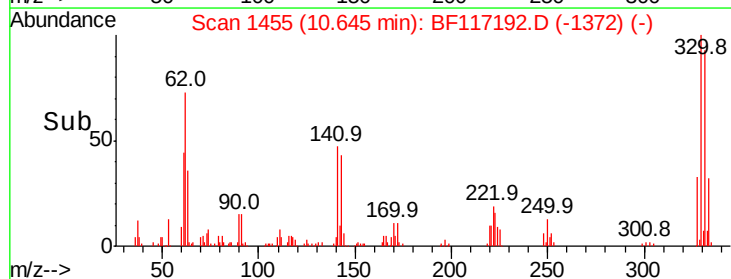
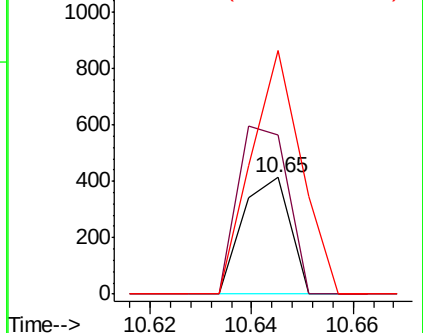
105 208.7 30.2 70.2#

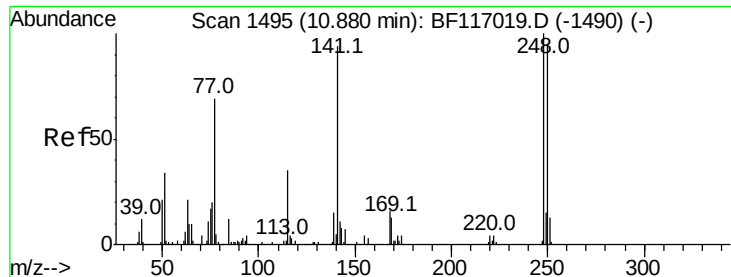


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

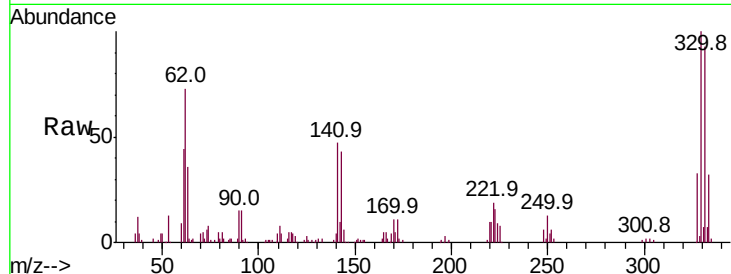




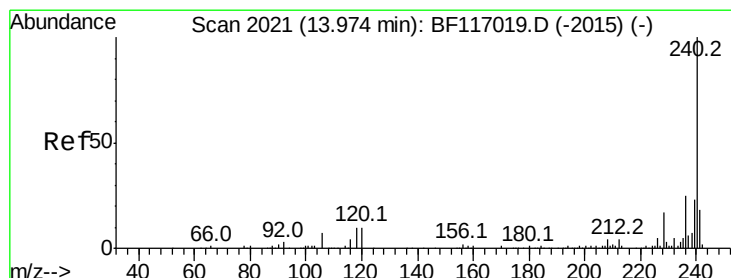
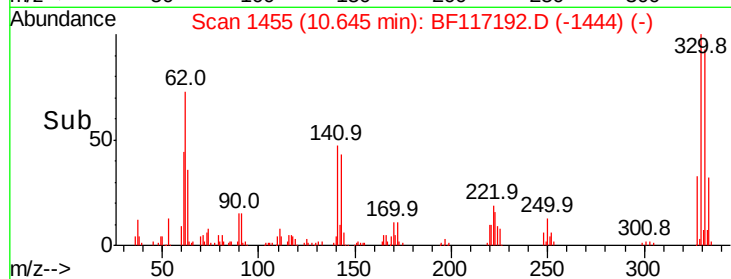
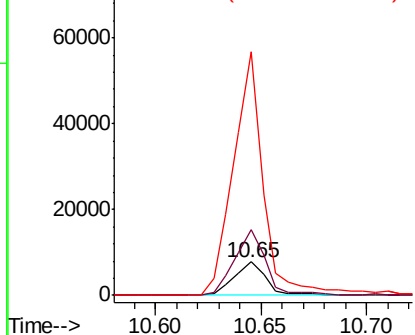
#67
 4-Bromophenyl-phenylether
 Concen: 4.988 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.24 min
 Lab File: BF117192.D
 Acq: 20 Sep 2019 18:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 7935
 Ion Ratio Lower Upper
 248 100
 250 199.1 76.2 114.4#
 141 735.0 75.0 112.4#

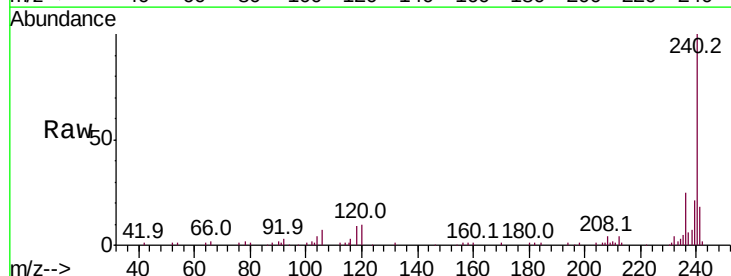


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

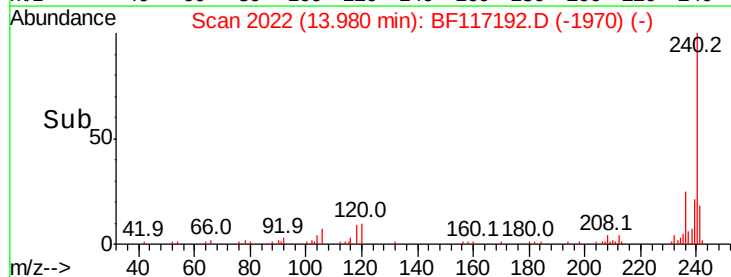
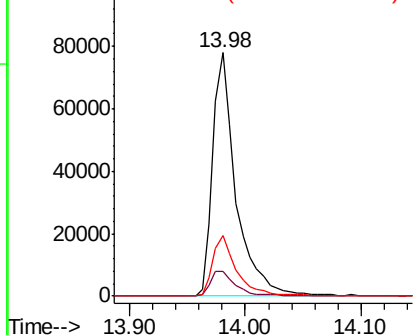


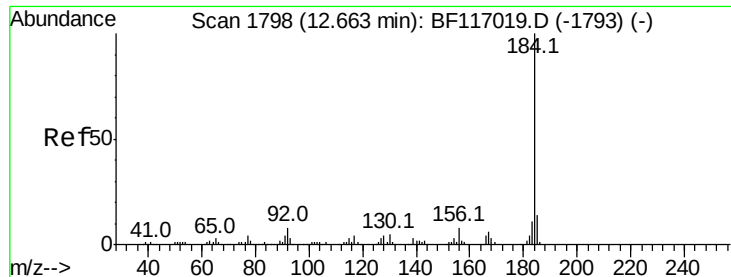
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. 0.01 min
 Lab File: BF117192.D
 Acq: 20 Sep 2019 18:17

Tgt Ion:240 Resp: 109363
 Ion Ratio Lower Upper
 240 100
 120 10.0 8.3 12.5
 236 25.1 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: 2.969 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.26 min

Lab File: BF117192.D

Acq: 20 Sep 2019 18:17

Instrument :

BNA_F

ClientSampled :

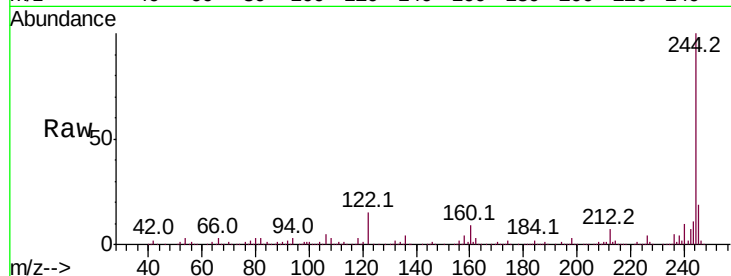
Tot Ion:184 Resp: 10458

Ion Ratio Lower Upper

184 100

185 15.9 11.6 17.4

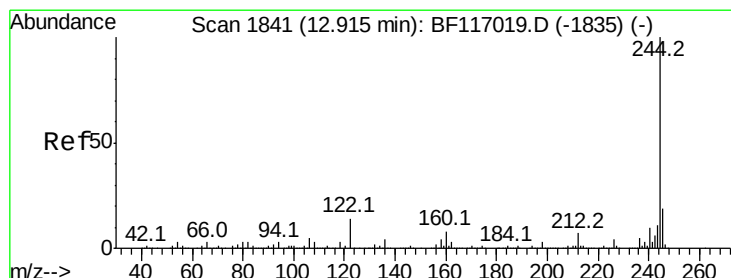
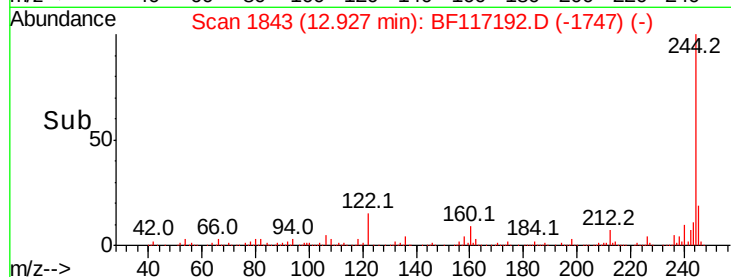
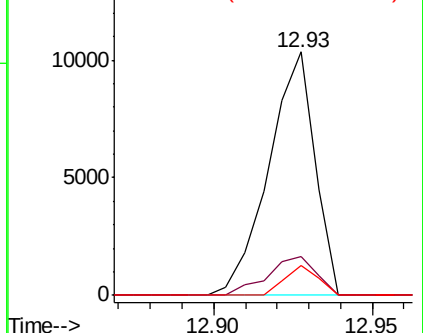
183 12.4 9.0 13.4



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: 118.623 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BF117192.D

Acq: 20 Sep 2019 18:17

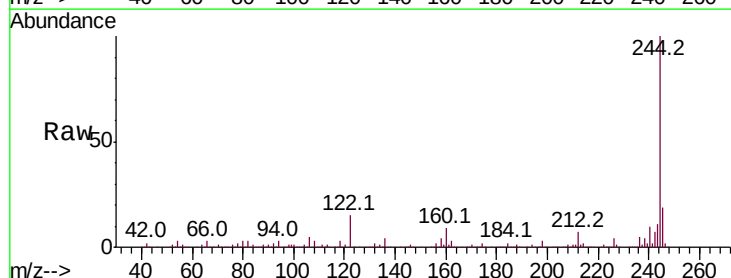
Tgt Ion:244 Resp: 694033

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

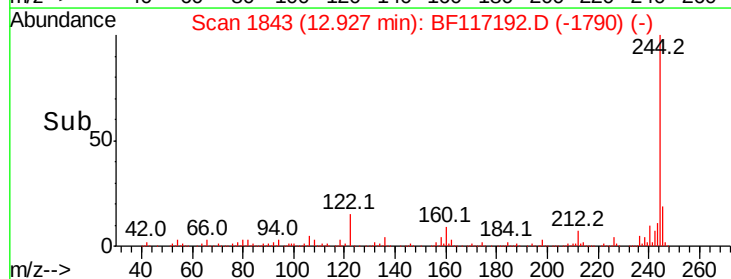
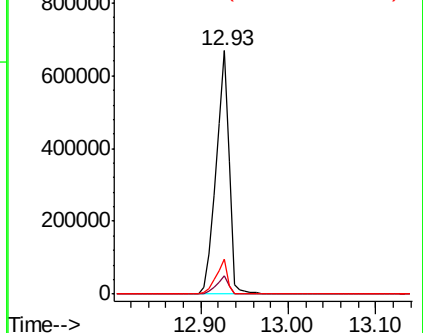
122 14.6 11.3 16.9

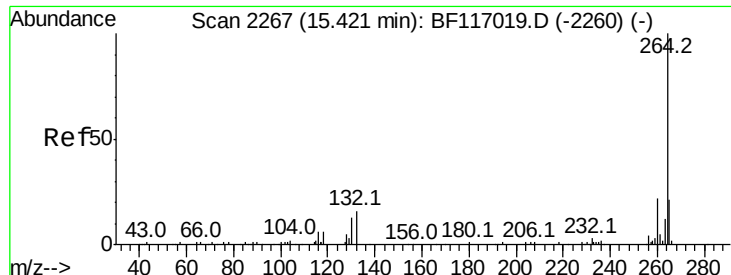


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

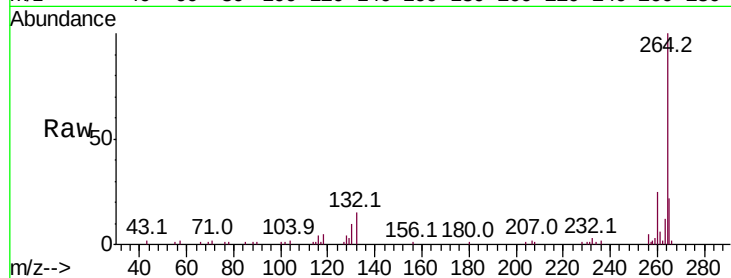




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. 0.01 min
 Lab File: BF117192.D
 Acq: 20 Sep 2019 18:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:264 Resp: 85774
 Ion Ratio Lower Upper
 264 100
 260 24.7 17.6 26.4
 265 21.7 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

