

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092019\
 Data File : BF117188.D
 Acq On : 20 Sep 2019 16:31
 Operator : HP/JU
 Sample : PB123244BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 20 22:59:35 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

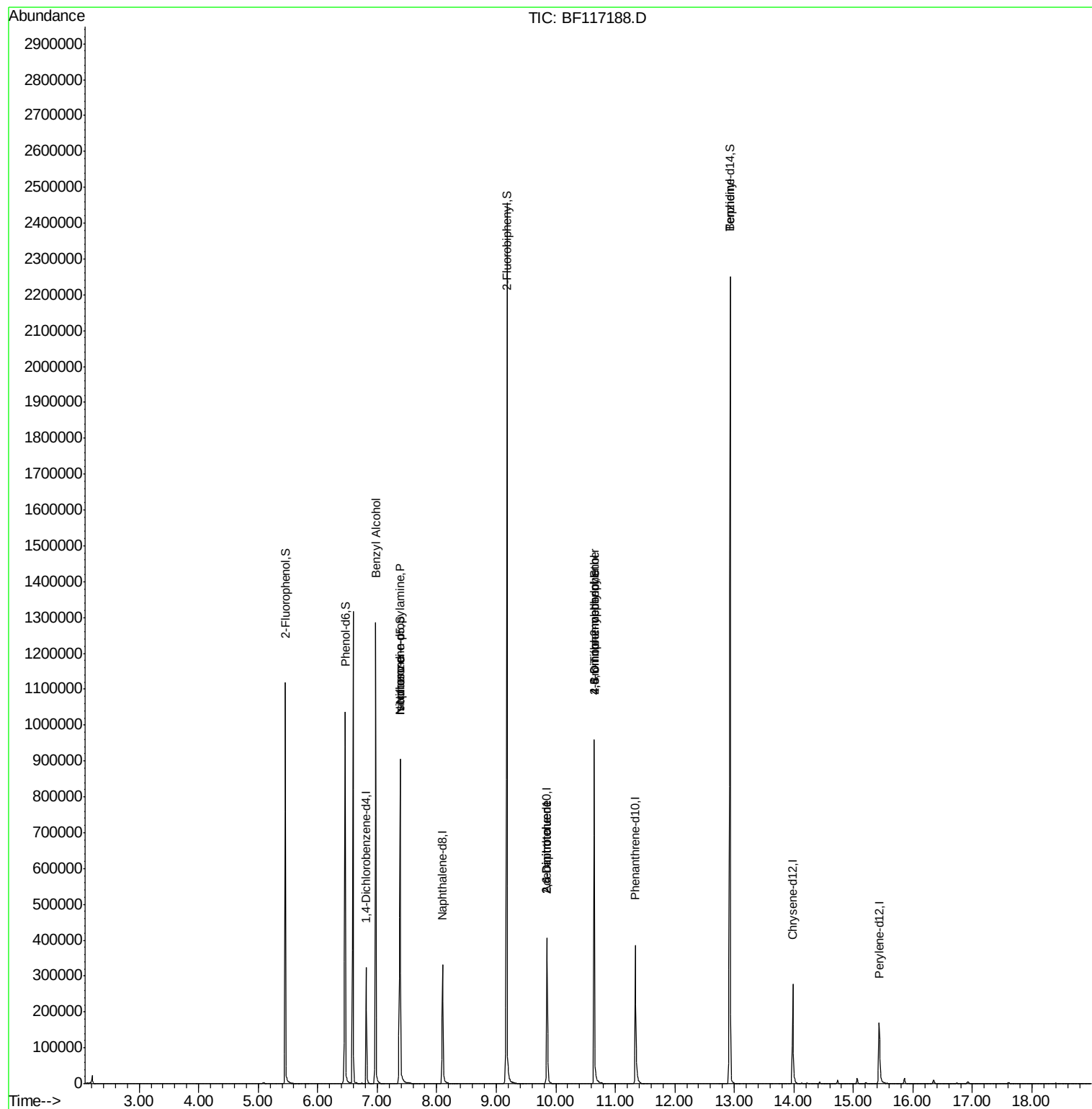
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	46104	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	190095	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	107696	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	184549	20.00	ng	0.00
76) Chrysene-d12	13.98	240	132163	20.00	ng	0.00
87) Perylene-d12	15.43	264	107812	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	306774	103.88	ng	0.02
7) Phenol-d6	6.46	99	421134	110.35	ng	0.00
23) Nitrobenzene-d5	7.39	82	394121	108.94	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	113419	126.01	ng	0.00
45) 2-Fluorobiphenyl	9.18	172	789452	114.62	ng	0.00
79) Terphenyl-d14	12.93	244	872371	123.38	ng	0.02
Target Compounds						
9) Benzaldehyde	6.46	77	487	Below Cal		Qvalue
15) Benzyl Alcohol	6.97	79	6754	2.308 ng	#	1
19) n-Nitroso-di-n-propylamine	7.39	70	55108	23.714 ng	#	41
25) Isophorone	7.39	82	394119	61.525 ng	#	84
51) 2,6-Dinitrotoluene	9.85	165	12981	8.358 ng	#	66
57) 2,4-Dinitrotoluene	9.85	165	12981	6.439 ng	#	24
65) 4,6-Dinitro-2-methylphenol	10.65	198	132	7.037 ng	#	18
67) 4-Bromophenyl-phenylether	10.65	248	7031	3.731 ng	#	1
77) Benzidine	12.93	184	12889	3.027 ng		98

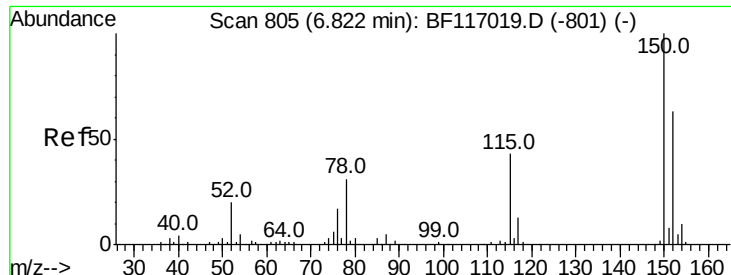
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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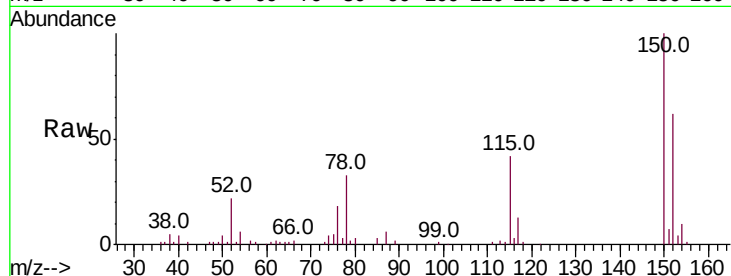


#1

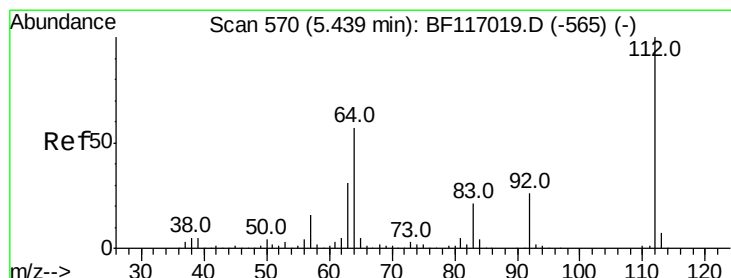
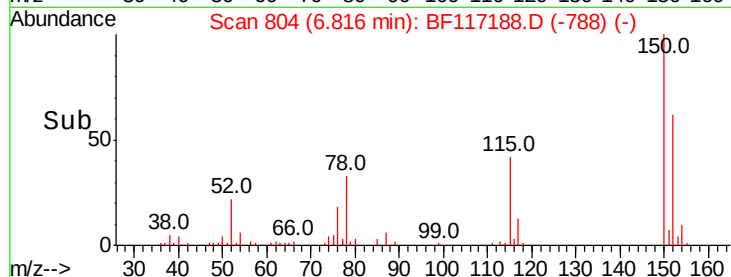
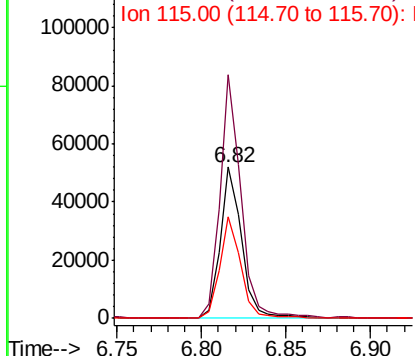
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: BF117188.D
 Acq: 20 Sep 2019 16:31

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 46104
 Ion Ratio Lower Upper
 152 100
 150 161.3 127.5 191.3
 115 67.4 55.0 82.4



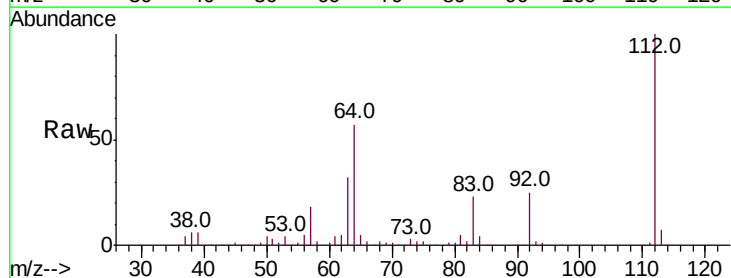
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



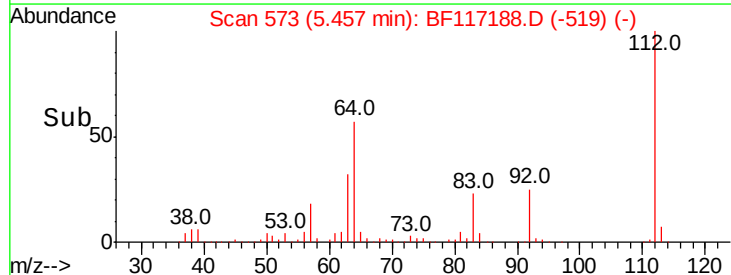
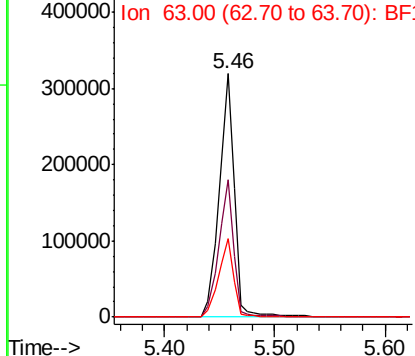
#5

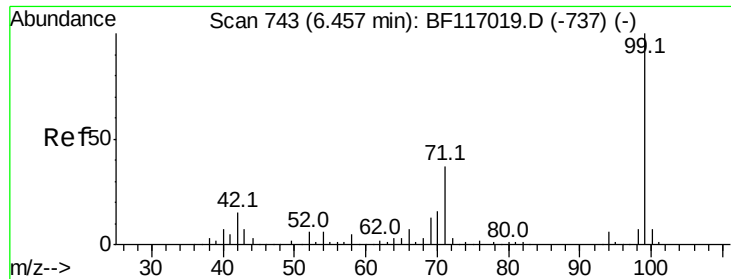
2-Fluorophenol
 Concen: 103.885 ng
 RT: 5.46 min Scan# 573
 Delta R.T. 0.02 min
 Lab File: BF117188.D
 Acq: 20 Sep 2019 16:31

Tgt Ion:112 Resp: 306774
 Ion Ratio Lower Upper
 112 100
 64 56.7 45.7 68.5
 63 32.0 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: 110.349 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF117188.D

Acq: 20 Sep 2019 16:31

Instrument :

BNA_F

ClientSampled :

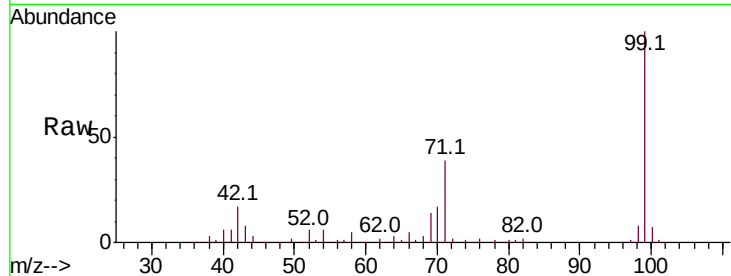
Tot Ion: 99 Resp: 421134

Ion Ratio Lower Upper

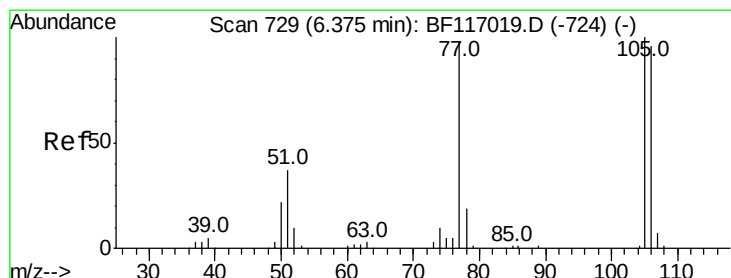
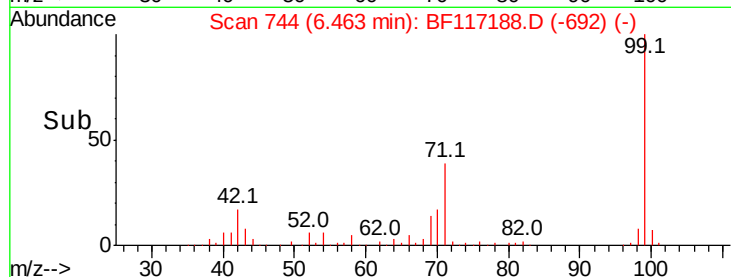
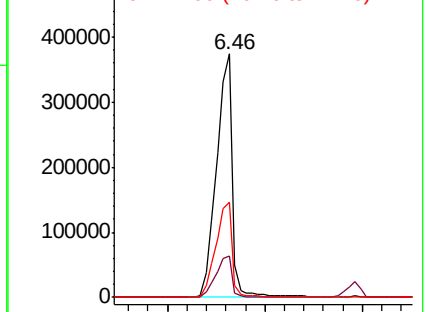
99 100

42 16.8 12.2 18.2

71 39.0 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: BF117188.D

Acq: 20 Sep 2019 16:31

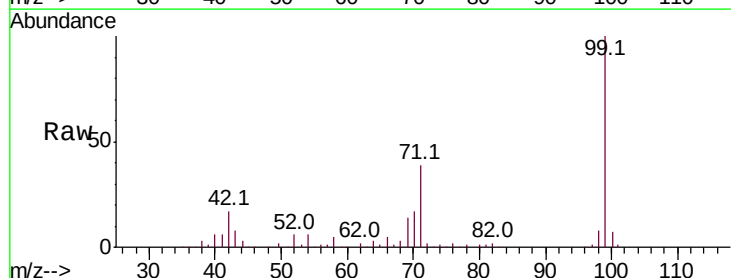
Tgt Ion: 77 Resp: 487

Ion Ratio Lower Upper

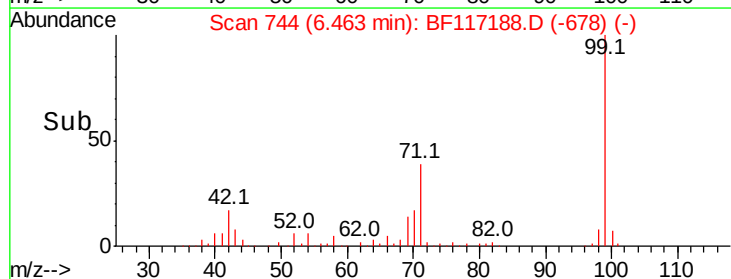
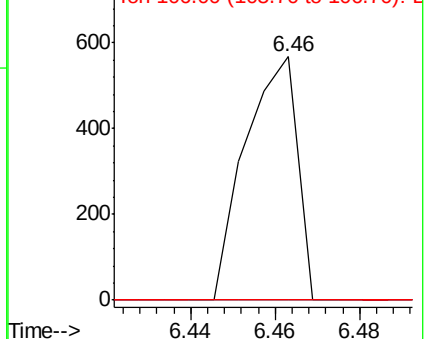
77 100

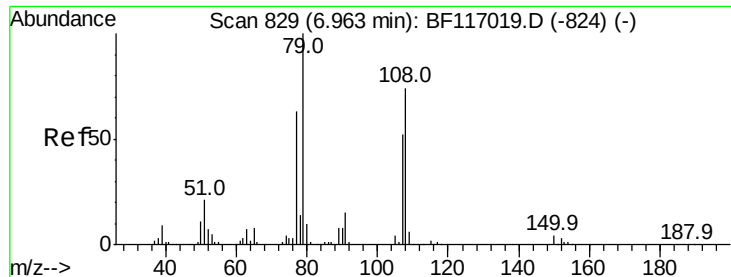
105 0.0 81.8 121.8#

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: 2.308 ng

RT: 6.97 min Scan# 831

Delta R.T. 0.01 min

Lab File: BF117188.D

Acq: 20 Sep 2019 16:31

Instrument :

BNA_F

ClientSampled :

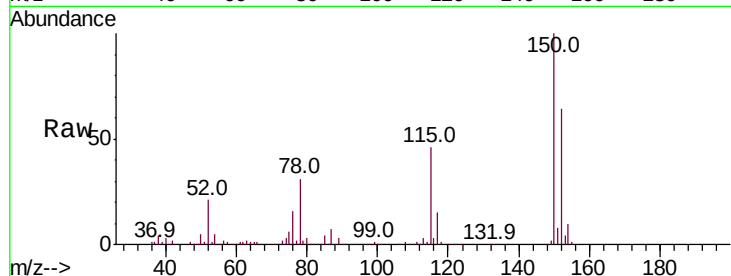
Tot Ion: 79 Resp: 6754

Ion Ratio Lower Upper

79 100

108 25.6 59.4 89.0#

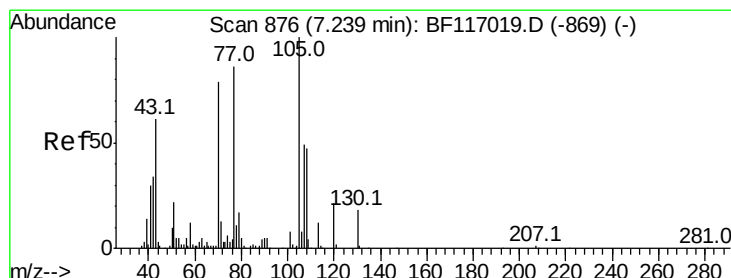
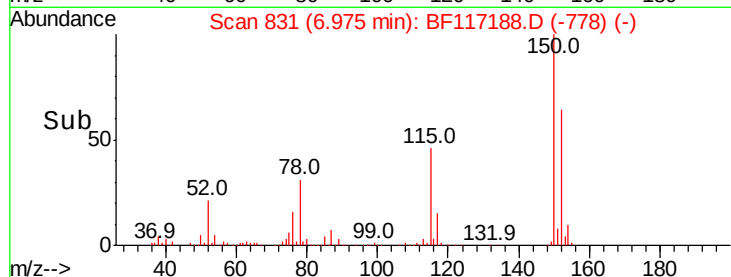
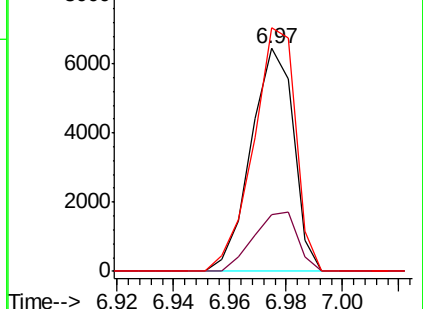
77 109.2 50.2 75.2#



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: 23.714 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.15 min

Lab File: BF117188.D

Acq: 20 Sep 2019 16:31

Tgt Ion: 70 Resp: 55108

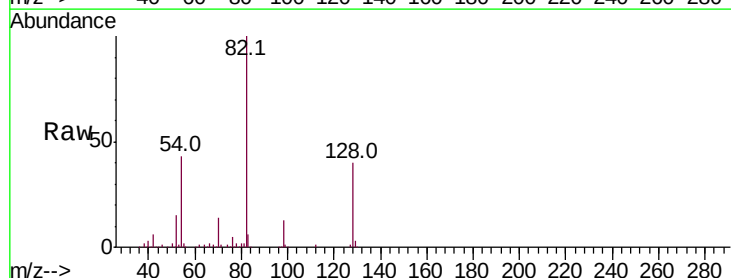
Ion Ratio Lower Upper

70 100

42 43.1 34.0 51.0

101 0.0 7.8 11.6#

130 2.4 17.8 26.8#

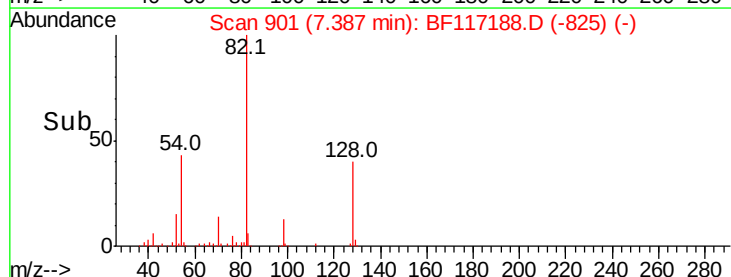
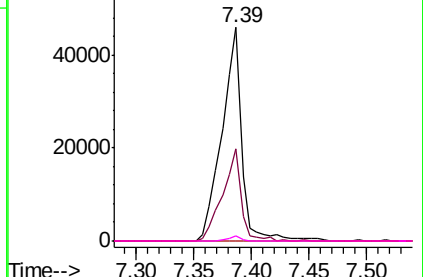


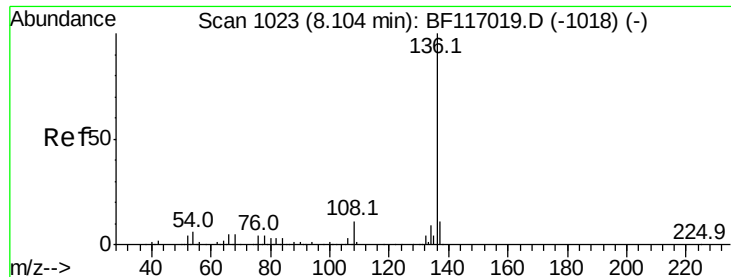
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

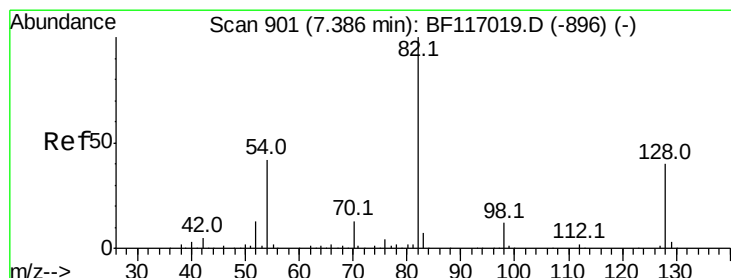
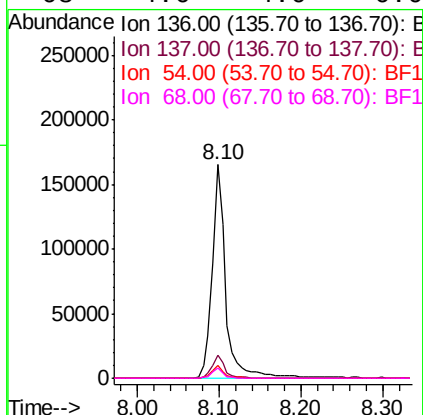
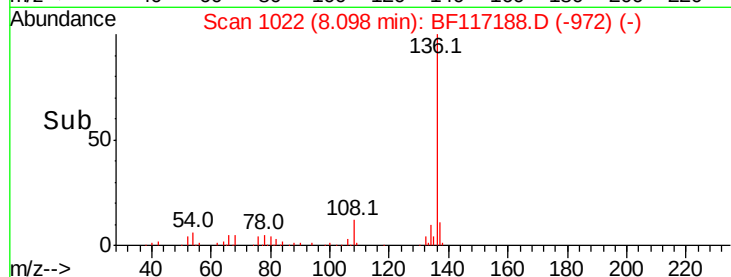
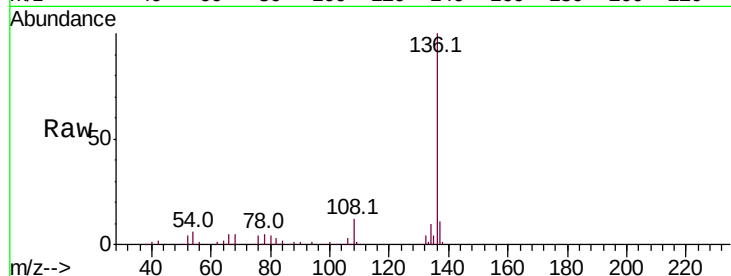




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF117188.D
Acq: 20 Sep 2019 16:31

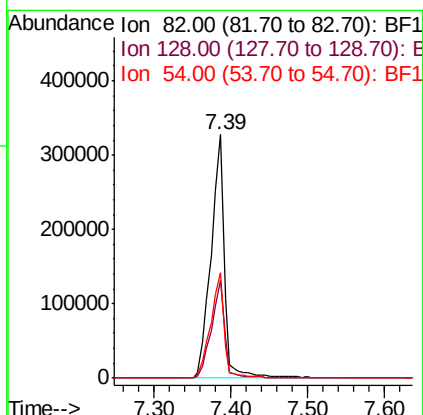
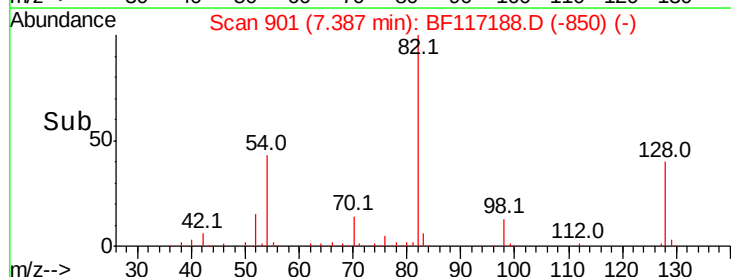
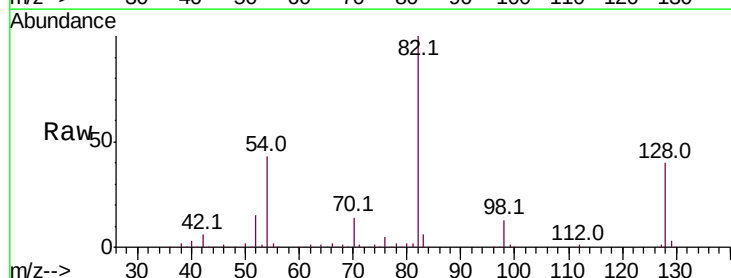
Instrument :
BNA_F
ClientSampleId :

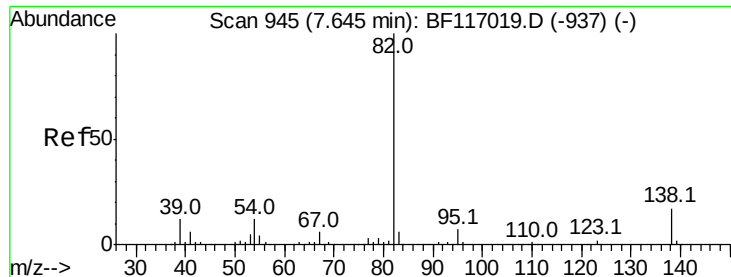
Tot Ion:136	Resp:	190095
Ion Ratio	Lower	Upper
136 100		
137 10.6	9.0	13.4
54 5.8	4.5	6.7
68 4.6	4.0	6.0



#23
Nitrobenzene-d5
Concen: 108.935 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.00 min
Lab File: BF117188.D
Acq: 20 Sep 2019 16:31

Tgt Ion: 82	Resp:	394121
Ion Ratio	Lower	Upper
82 100		
128 39.9	32.3	48.5
54 43.1	33.3	49.9





#25

Isophorone

Concen: 61.525 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.26 min

Lab File: BF117188.D

Acq: 20 Sep 2019 16:31

Instrument :

BNA_F

ClientSampleId :

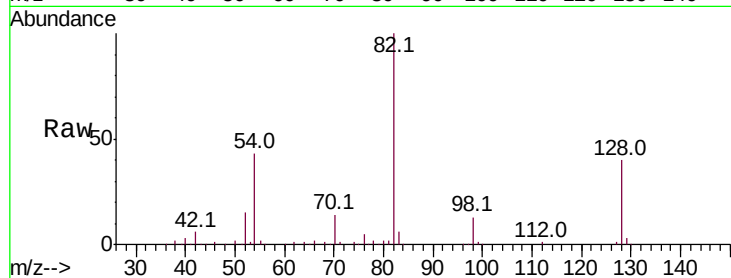
Tot Ion: 82 Resp: 394119

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

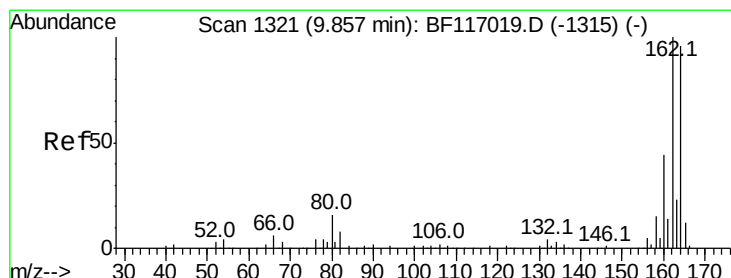
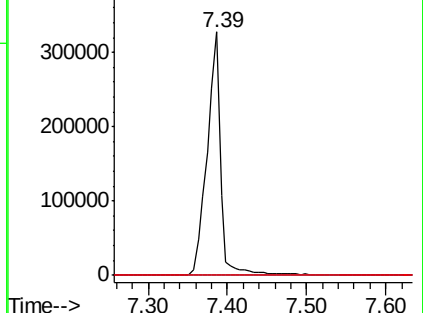
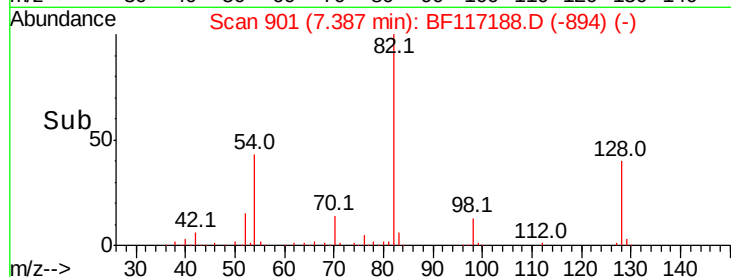
138 0.0 13.5 20.3#



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: BF117188.D

Acq: 20 Sep 2019 16:31

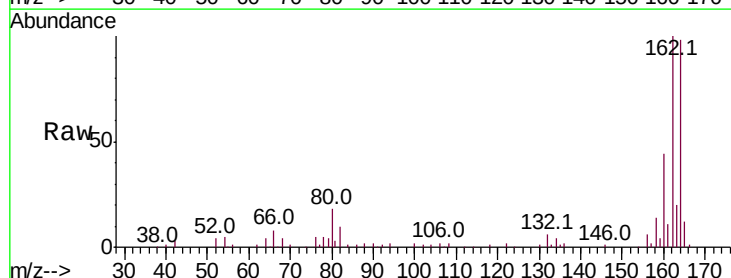
Tgt Ion:164 Resp: 107696

Ion Ratio Lower Upper

164 100

162 101.6 83.4 125.2

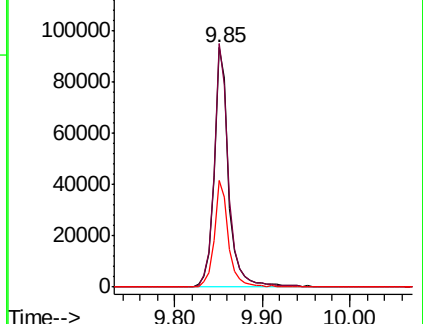
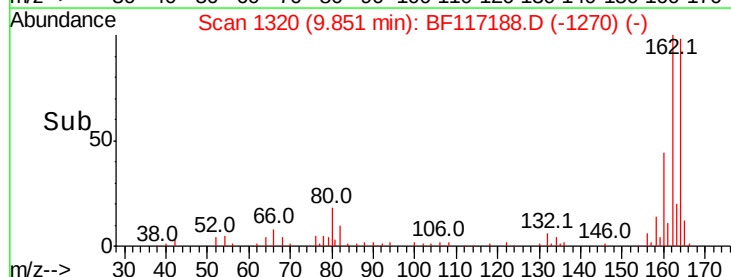
160 44.3 36.4 54.6

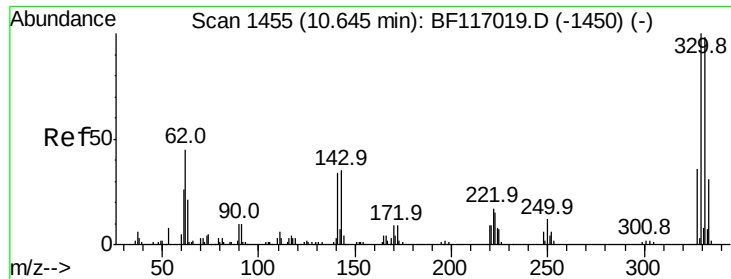


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 126.008 ng

RT: 10.65 min Scan# 1455

Delta R.T. 0.00 min

Lab File: BF117188.D

Acq: 20 Sep 2019 16:31

Instrument :

BNA_F

ClientSampleId :

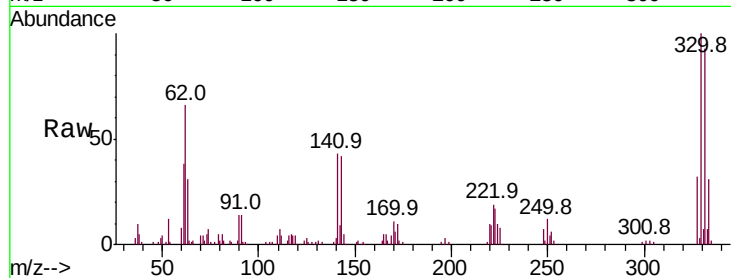
Tot Ion:330 Resp: 113419

Ion Ratio Lower Upper

330 100

332 93.1 78.0 117.0

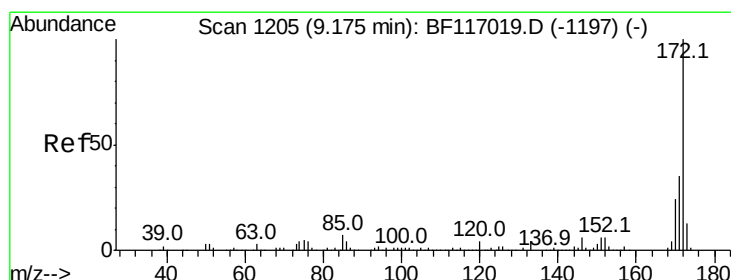
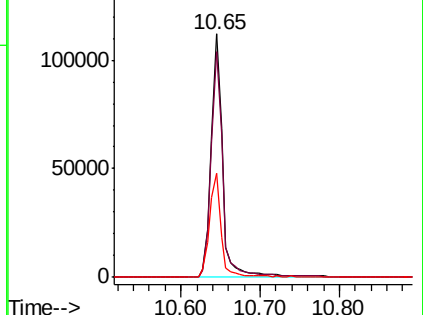
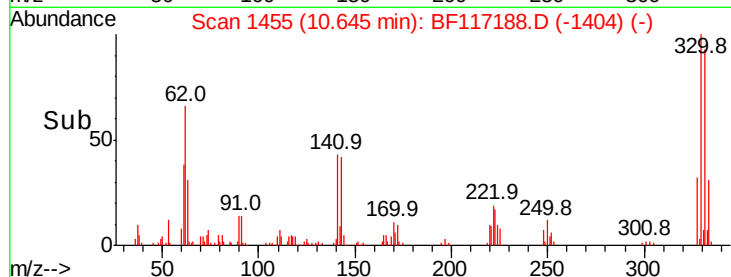
141 43.7 35.8 53.6



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: 114.616 ng

RT: 9.18 min Scan# 1206

Delta R.T. 0.01 min

Lab File: BF117188.D

Acq: 20 Sep 2019 16:31

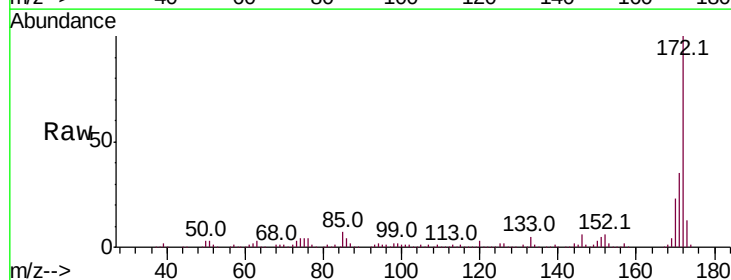
Tgt Ion:172 Resp: 789452

Ion Ratio Lower Upper

172 100

171 35.3 28.2 42.2

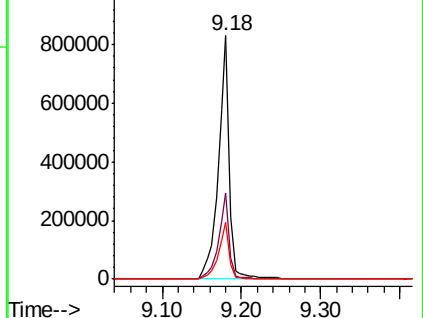
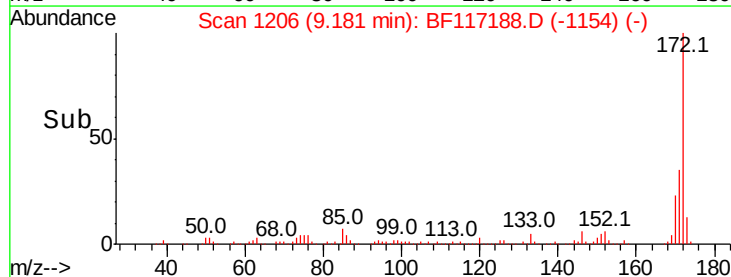
170 23.5 18.9 28.3

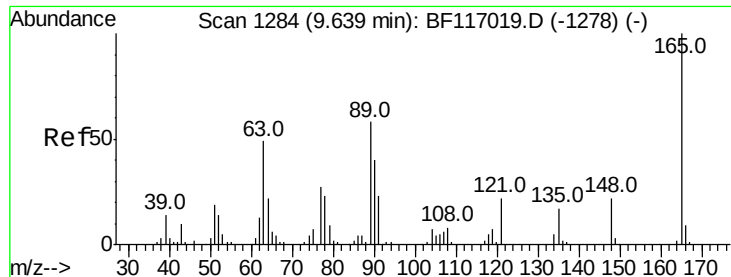


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 8.358 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.21 min

Lab File: BF117188.D

Acq: 20 Sep 2019 16:31

Instrument :
BNA_F
ClientSampleId :

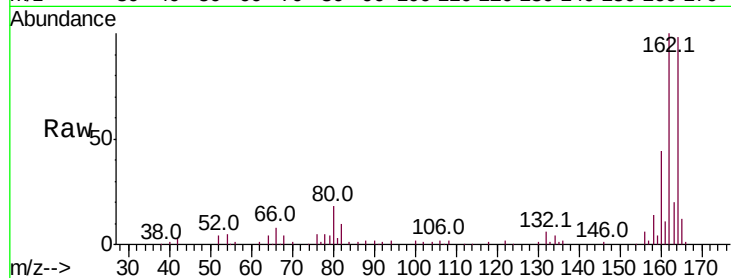
Tot Ion:165 Resp: 12981

Ion Ratio Lower Upper

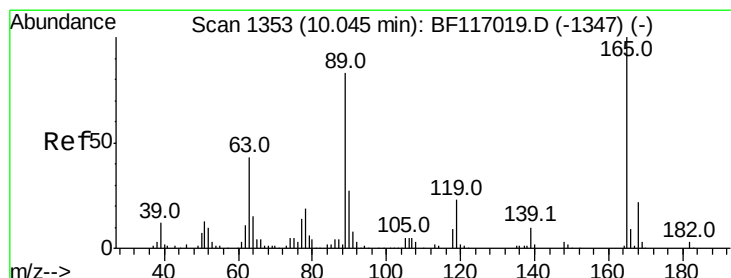
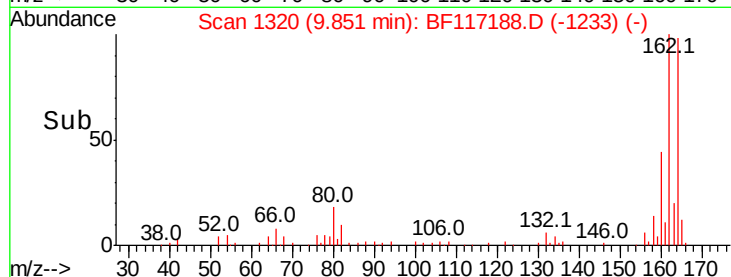
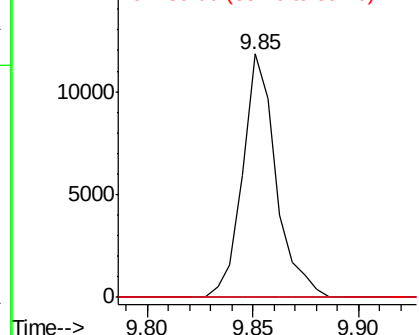
165 100

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: 6.439 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.19 min

Lab File: BF117188.D

Acq: 20 Sep 2019 16:31

Tgt Ion:165 Resp: 12981

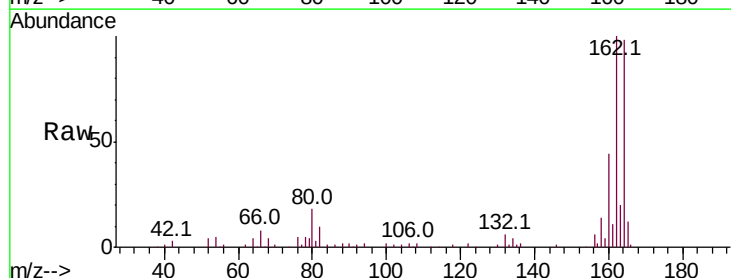
Ion Ratio Lower Upper

165 100

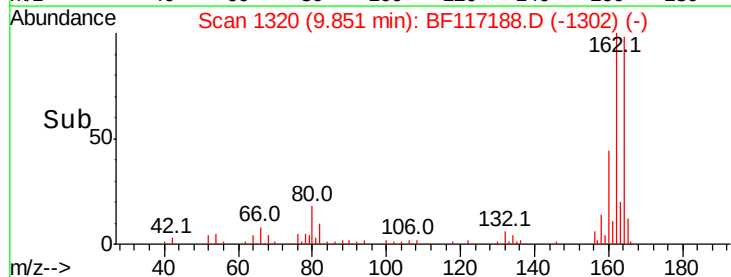
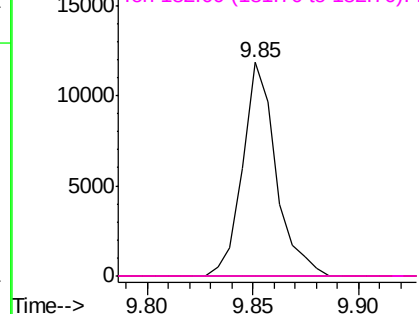
63 0.0 35.0 52.4#

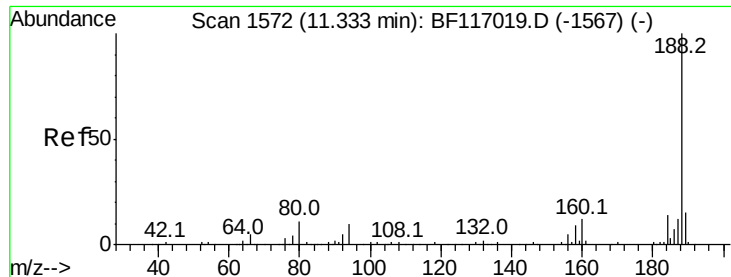
89 0.0 66.1 99.1#

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

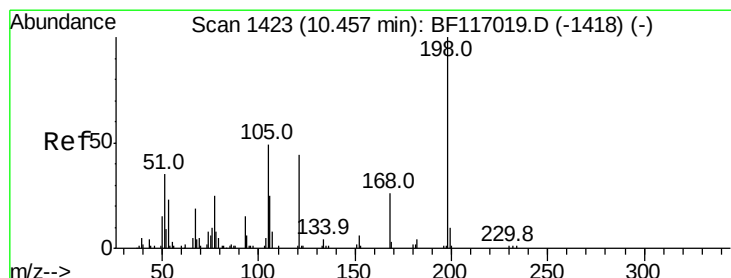
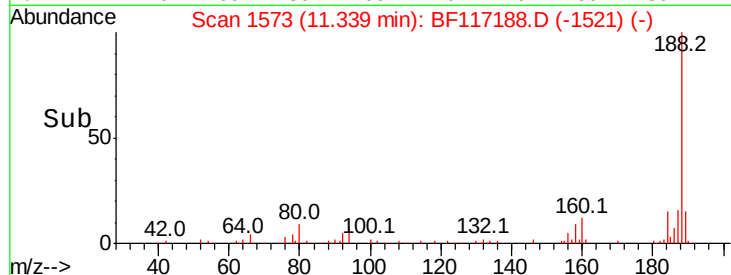
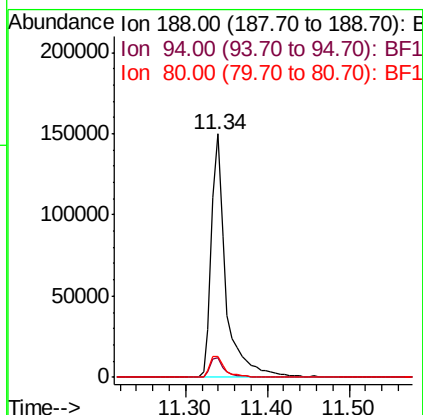
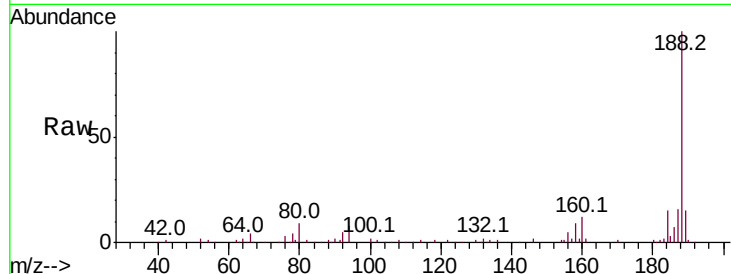




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: BF117188.D
 Acq: 20 Sep 2019 16:31

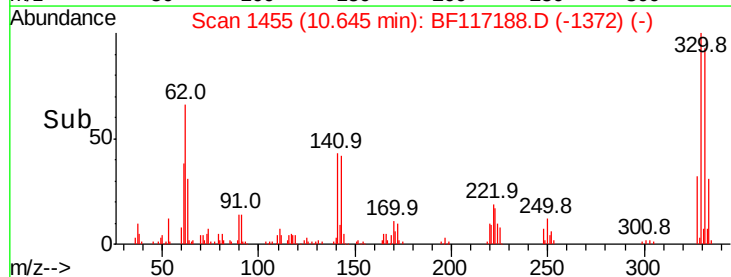
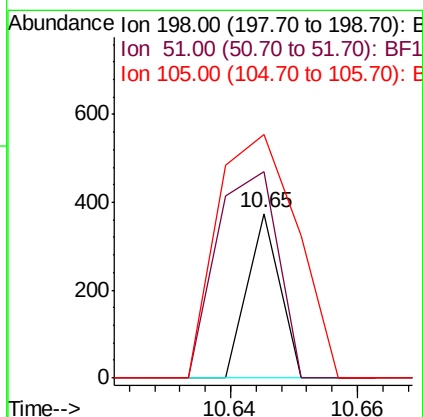
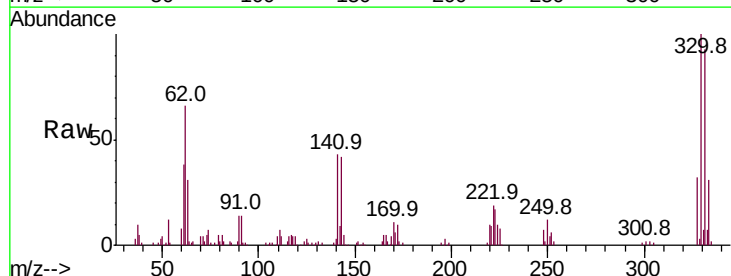
Instrument :
 BNA_F
 ClientSampleId :

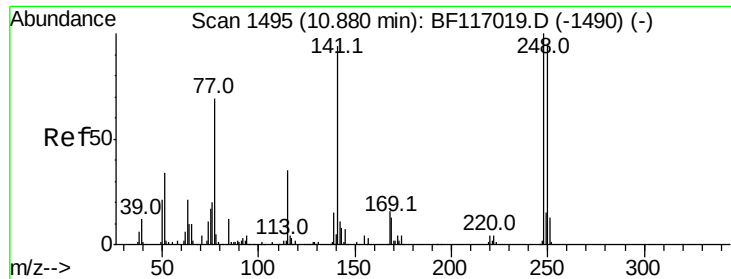
Tot Ion	Ratio	Lower	Upper
188	100		
94	8.3	8.2	12.2
80	8.8	9.0	13.6#



#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.037 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.19 min
 Lab File: BF117188.D
 Acq: 20 Sep 2019 16:31

Tgt Ion	Ratio	Lower	Upper
198	100		
51	125.9	18.7	58.7#
105	148.1	30.2	70.2#





#67

4-Bromophenyl-phenylether

Concen: 3.731 ng

RT: 10.65 min Scan# 1455

Delta R.T. -0.24 min

Lab File: BF117188.D

Acq: 20 Sep 2019 16:31

Instrument :

BNA_F

ClientSampleId :

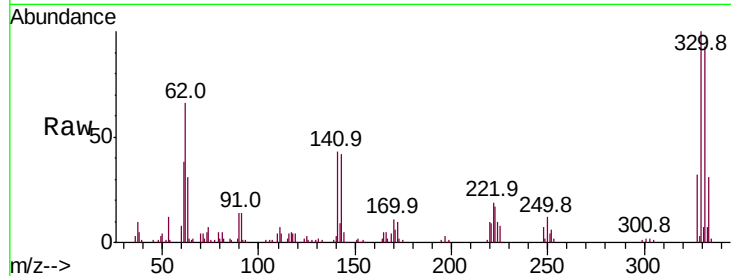
Tot Ion:248 Resp: 7031

Ion Ratio Lower Upper

248 100

250 178.7 76.2 114.4#

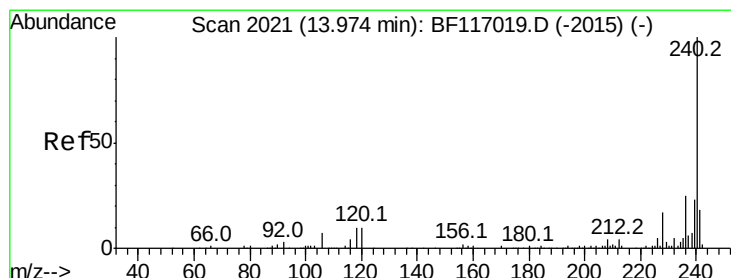
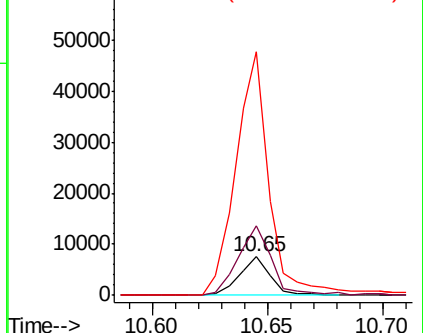
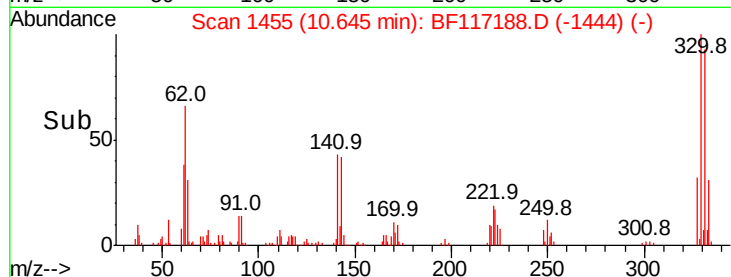
141 628.6 75.0 112.4#



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: BF117188.D

Acq: 20 Sep 2019 16:31

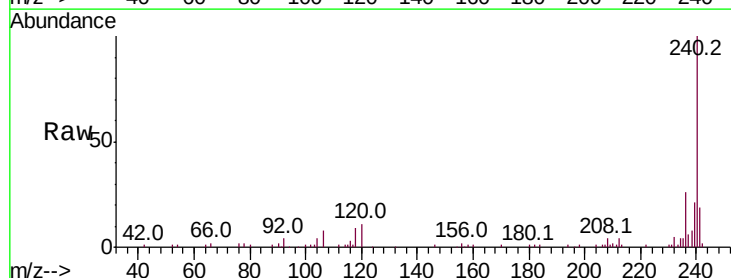
Tgt Ion:240 Resp: 132163

Ion Ratio Lower Upper

240 100

120 10.6 8.3 12.5

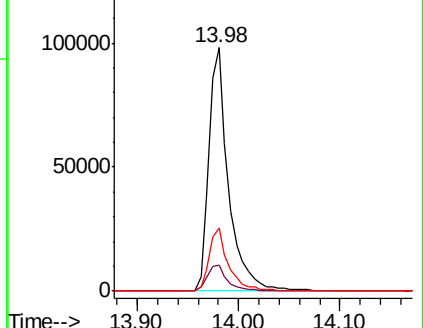
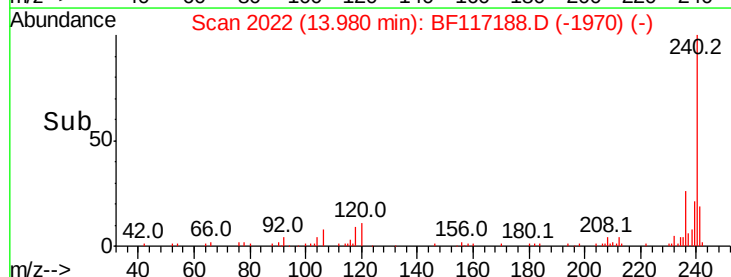
236 25.7 20.3 30.5

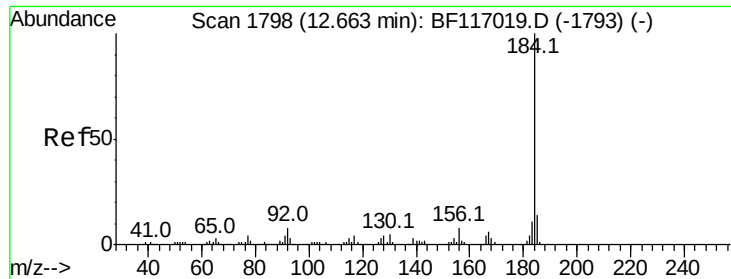


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.027 ng

RT: 12.93 min Scan# 1844

Delta R.T. 0.27 min

Lab File: BF117188.D

Acq: 20 Sep 2019 16:31

Instrument :

BNA_F

ClientSampleId :

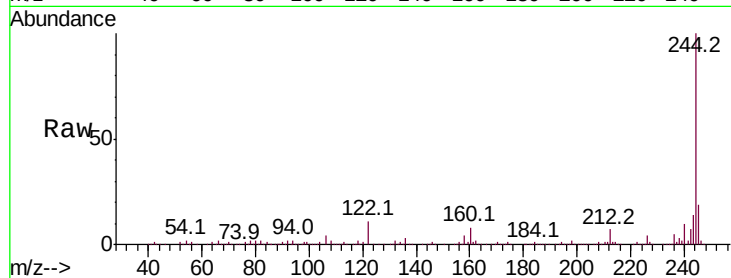
Tot Ion:184 Resp: 12889

Ion Ratio Lower Upper

184 100

185 15.3 11.6 17.4

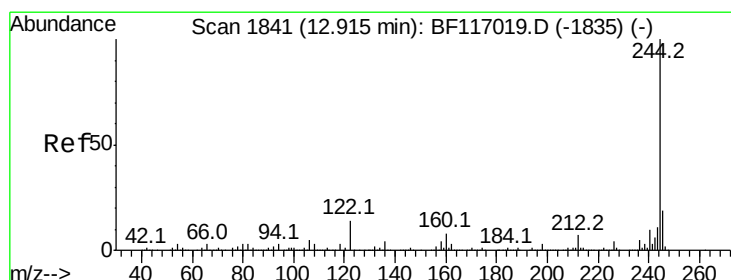
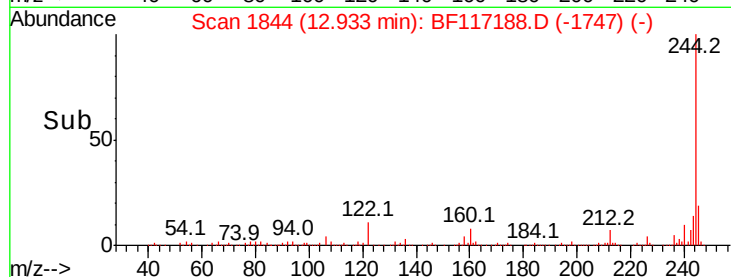
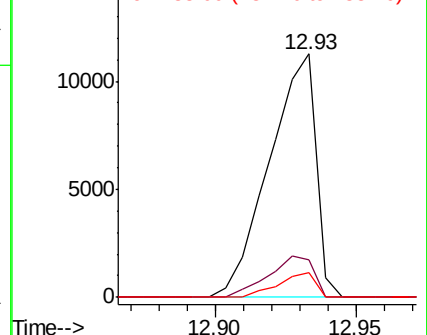
183 10.2 9.0 13.4



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: 123.382 ng

RT: 12.93 min Scan# 1844

Delta R.T. 0.02 min

Lab File: BF117188.D

Acq: 20 Sep 2019 16:31

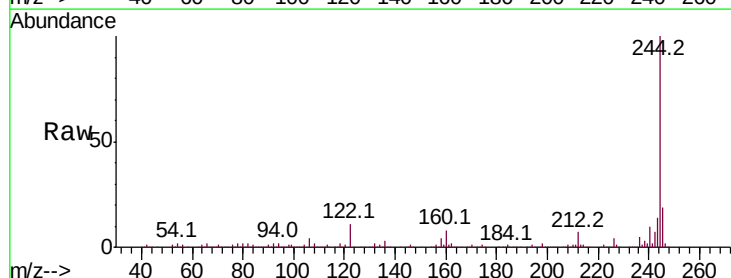
Tgt Ion:244 Resp: 872371

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

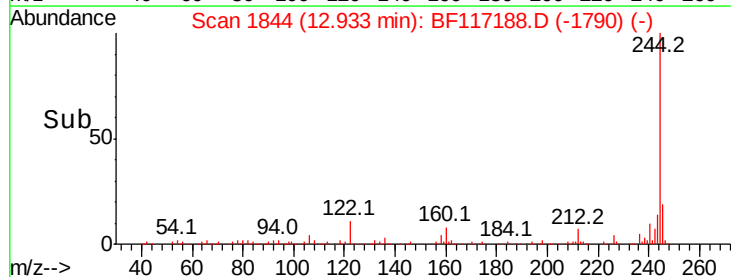
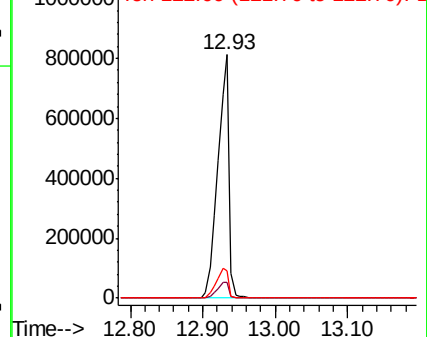
122 11.4 11.3 16.9

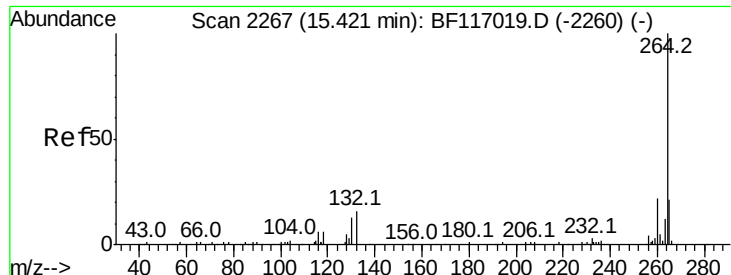


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

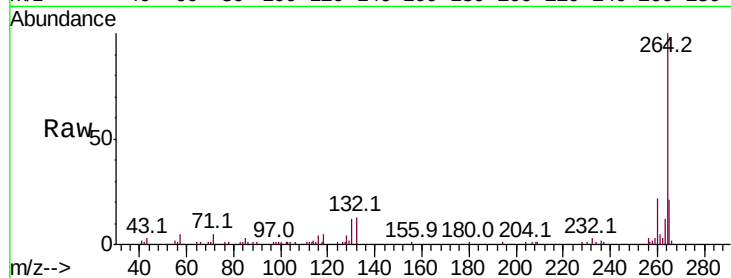




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. 0.01 min
 Lab File: BF117188.D
 Acq: 20 Sep 2019 16:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.1	17.6	26.4
265	21.3	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

