

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092019\
 Data File : BF117199.D
 Acq On : 20 Sep 2019 21:24
 Operator : HP/JU
 Sample : K4662-15
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 20 23:03:27 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	38475	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	155643	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	87052	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	144634	20.00	ng	0.00
76) Chrysene-d12	13.98	240	94016	20.00	ng	0.00
87) Perylene-d12	15.43	264	69545	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	327532	132.91	ng	0.03
7) Phenol-d6	6.46	99	396462	124.48	ng	0.00
23) Nitrobenzene-d5	7.39	82	314837	106.28	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	134089	184.30	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	615767	110.60	ng	0.00
79) Terphenyl-d14	12.93	244	656024	130.43	ng	0.01

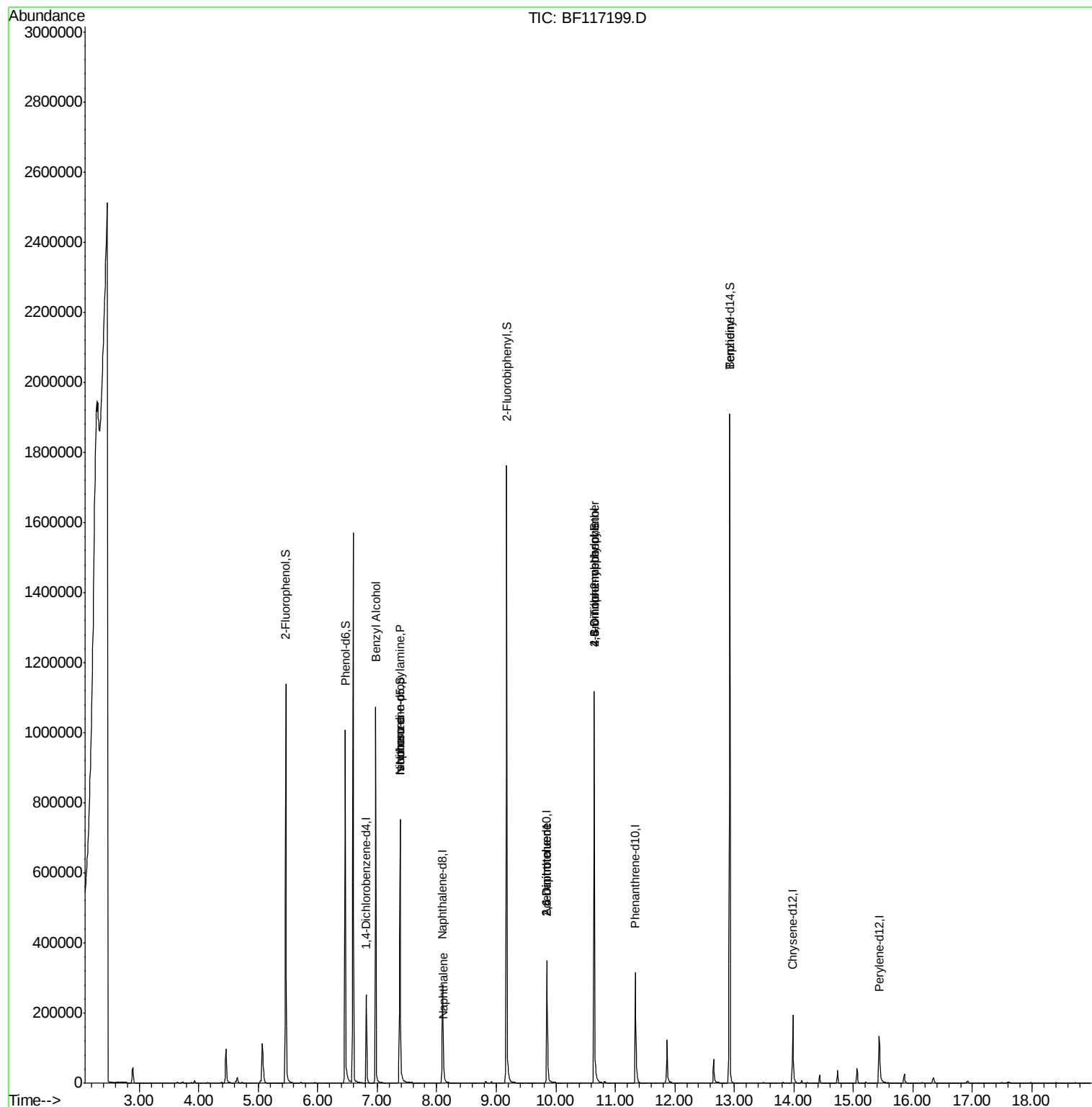
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.46	77	762	Below Cal	#	1
15) Benzyl Alcohol	6.97	79	5615	2.299	ng	52
19) n-Nitroso-di-n-propylamine	7.39	70	44278	22.831	ng	81
25) Isophorone	7.39	82	314834	60.027	ng	66
31) Naphthalene	8.12	128	18275	2.441	ng	98
51) 2,6-Dinitrotoluene	9.85	165	10697	8.521	ng	24
57) 2,4-Dinitrotoluene	9.85	165	10697	6.565	ng	18
65) 4,6-Dinitro-2-methylphenol	10.65	198	142	7.087	ng	1
67) 4-Bromophenyl-phenylether	10.65	248	8348	5.652	ng	1
77) Benzidine	12.93	184	10119	3.341	ng	95

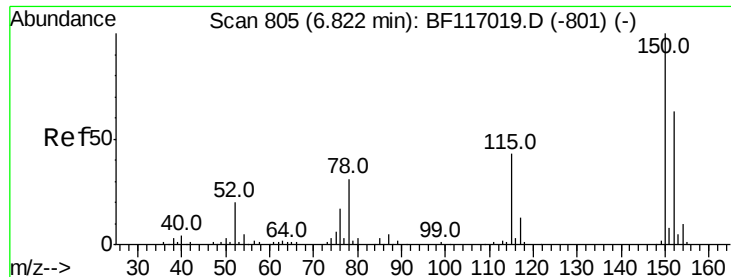
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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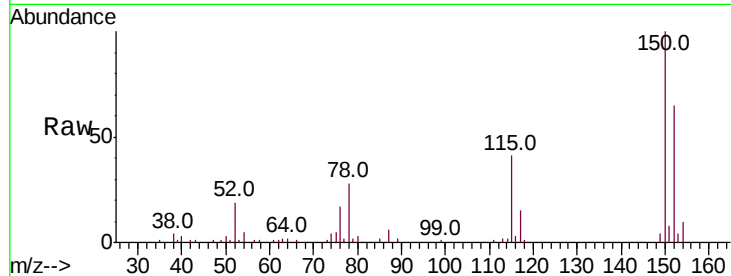


#1

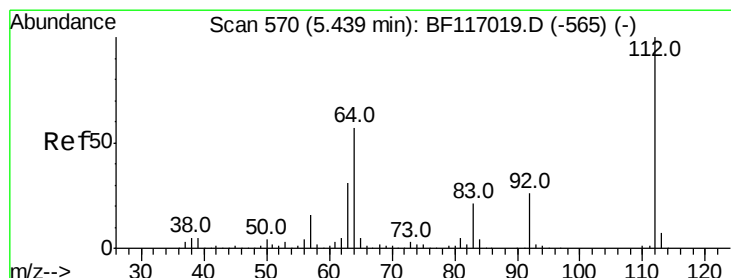
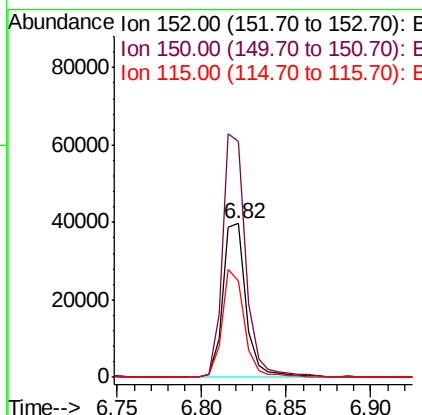
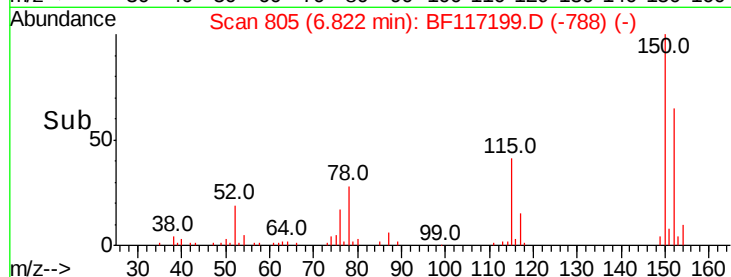
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117199.D
Acq: 20 Sep 2019 21:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 38475
Ion Ratio Lower Upper
152 100
150 153.3 127.5 191.3
115 62.4 55.0 82.4



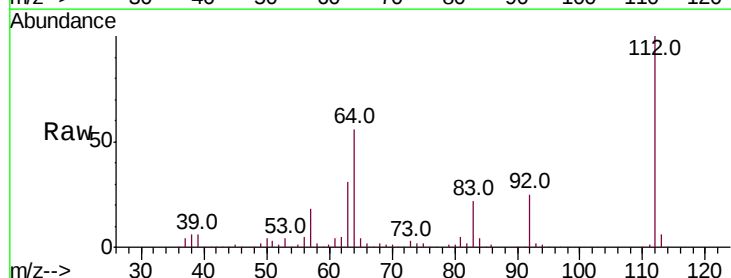
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



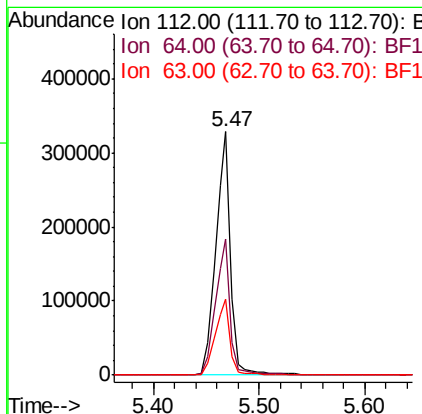
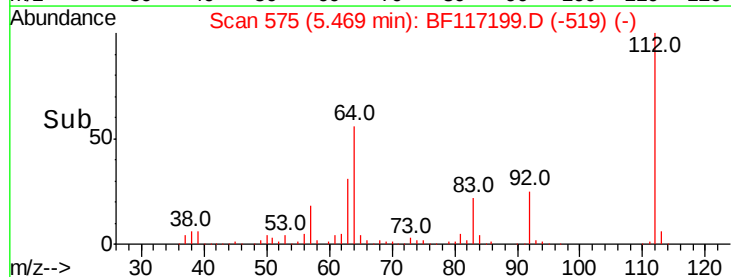
#5

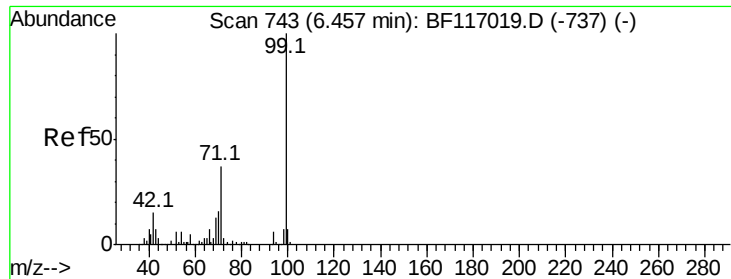
2-Fluorophenol
Concen: 132.907 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.03 min
Lab File: BF117199.D
Acq: 20 Sep 2019 21:24

Tgt Ion:112 Resp: 327532
Ion Ratio Lower Upper
112 100
64 55.7 45.7 68.5
63 31.0 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: 124.483 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF117199.D

Acq: 20 Sep 2019 21:24

Instrument :

BNA_F

ClientSampleId :

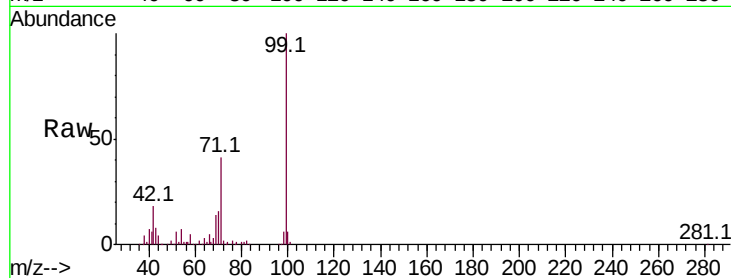
Tot Ion: 99 Resp: 396462

Ion Ratio Lower Upper

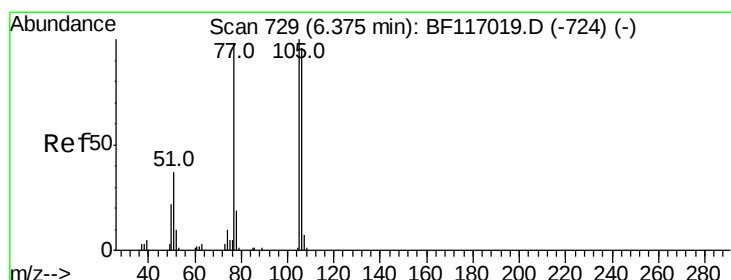
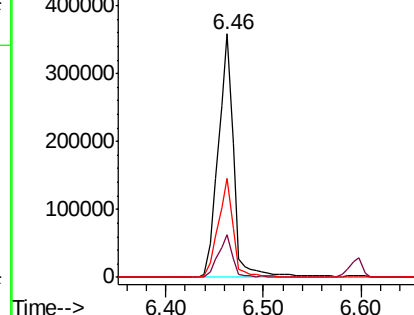
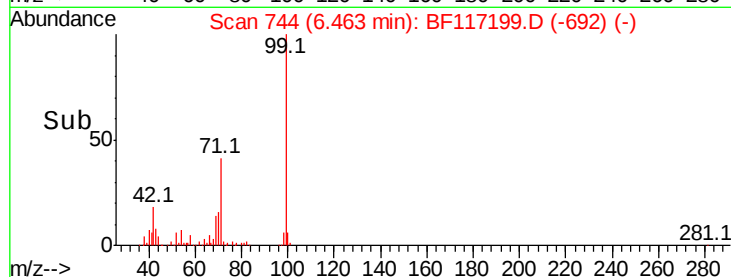
99 100

42 17.8 12.2 18.2

71 40.6 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: BF117199.D

Acq: 20 Sep 2019 21:24

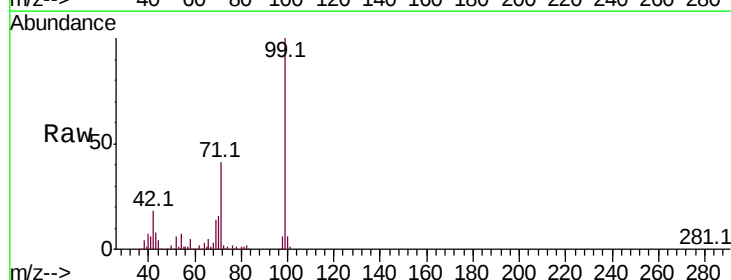
Tgt Ion: 77 Resp: 762

Ion Ratio Lower Upper

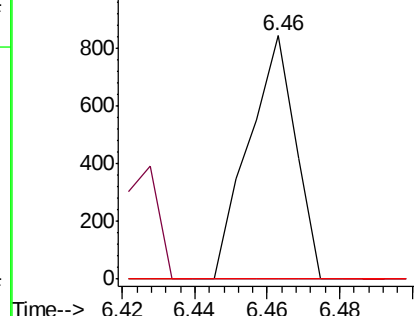
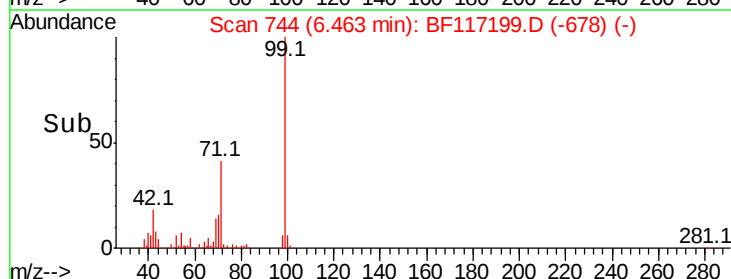
77 100

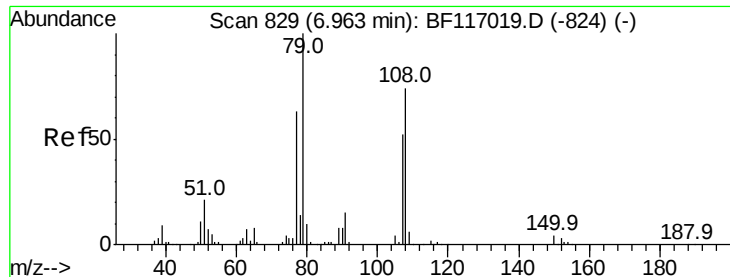
105 0.0 81.8 121.8#

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: 2.299 ng

RT: 6.97 min Scan# 831

Delta R.T. 0.01 min

Lab File: BF117199.D

Acq: 20 Sep 2019 21:24

Instrument :

BNA_F

ClientSampleId :

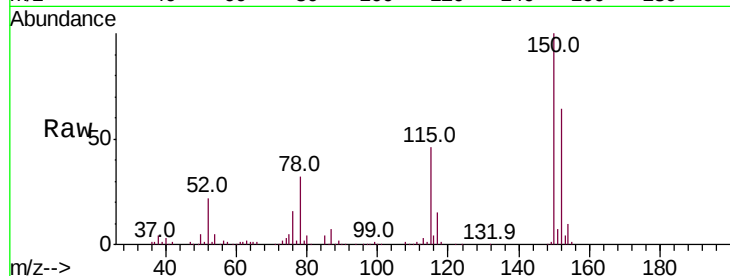
Tot Ion: 79 Resp: 5615

Ion Ratio Lower Upper

79 100

108 25.2 59.4 89.0#

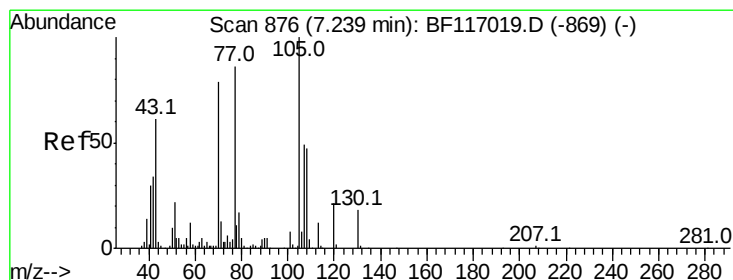
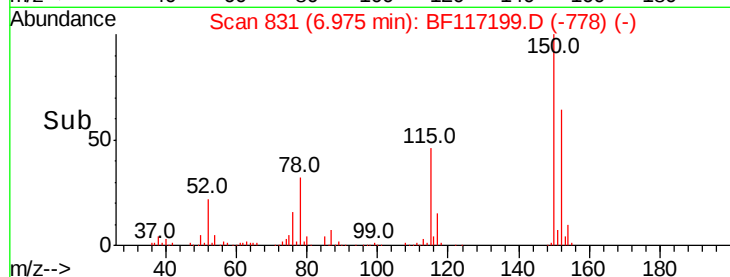
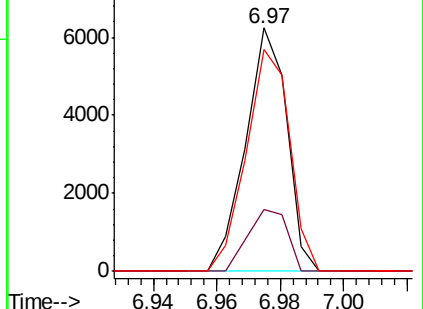
77 91.0 50.2 75.2#



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: 22.831 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.15 min

Lab File: BF117199.D

Acq: 20 Sep 2019 21:24

Tgt Ion: 70 Resp: 44278

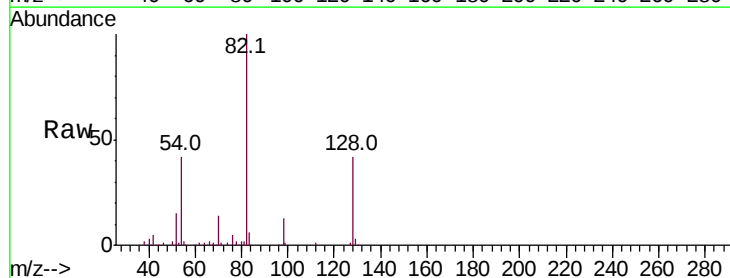
Ion Ratio Lower Upper

70 100

42 39.1 34.0 51.0

101 0.0 7.8 11.6#

130 1.9 17.8 26.8#

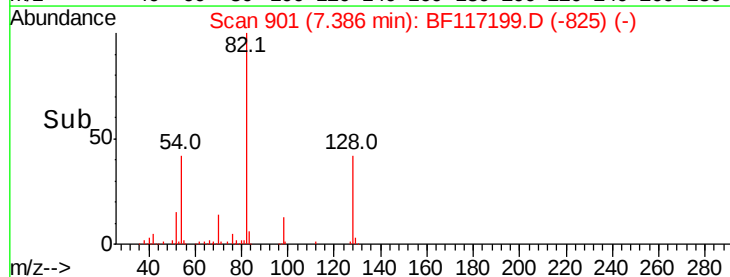
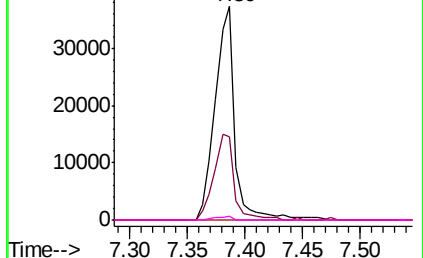


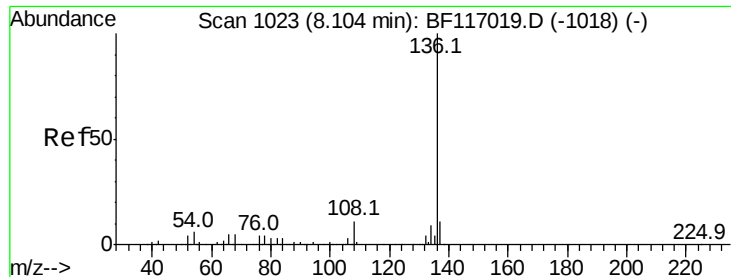
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF117199.D

Acq: 20 Sep 2019 21:24

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 155643

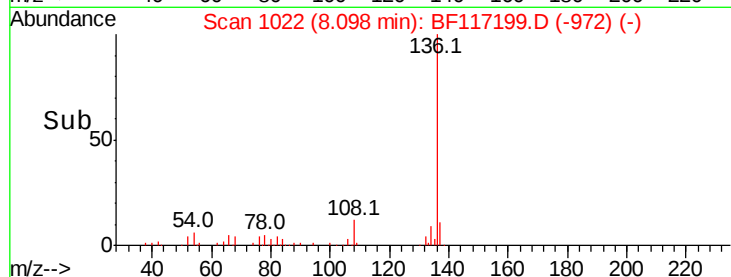
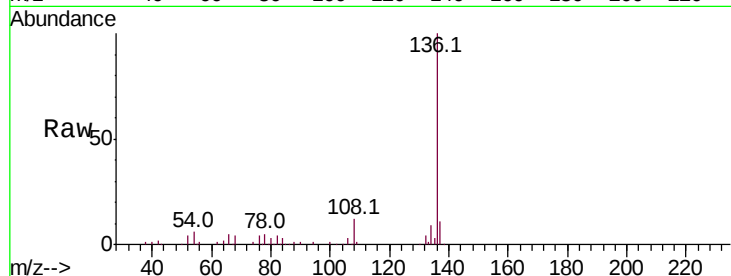
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 5.7 4.5 6.7

68 3.7 4.0 6.0#

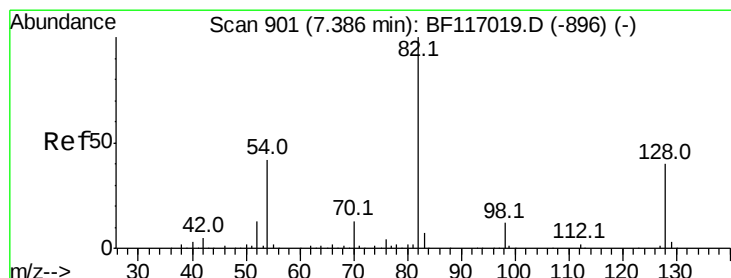
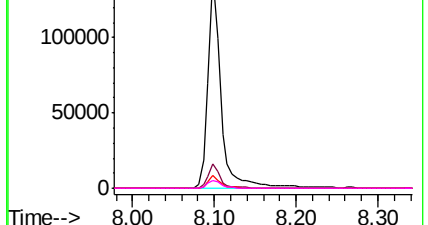


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 106.284 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.00 min

Lab File: BF117199.D

Acq: 20 Sep 2019 21:24

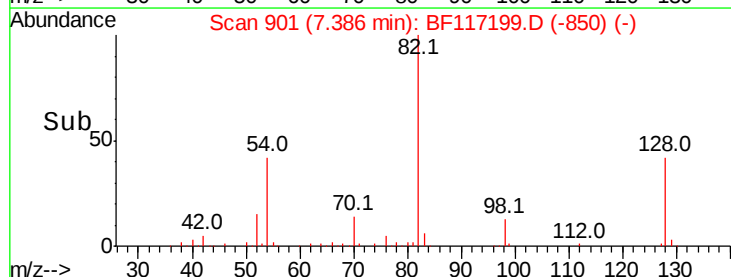
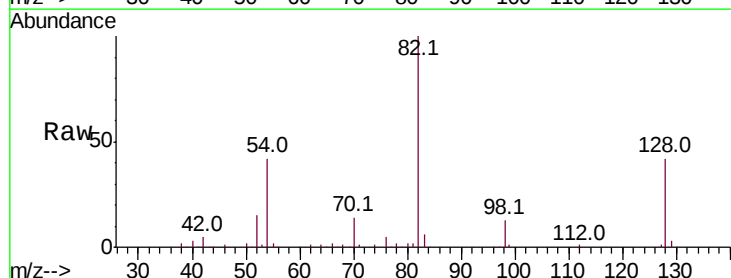
Tgt Ion: 82 Resp: 314837

Ion Ratio Lower Upper

82 100

128 41.6 32.3 48.5

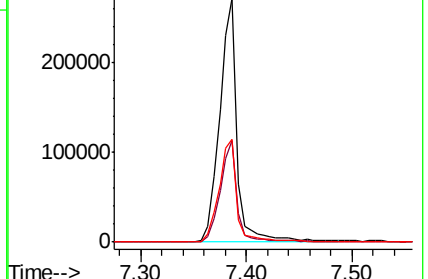
54 42.0 33.3 49.9

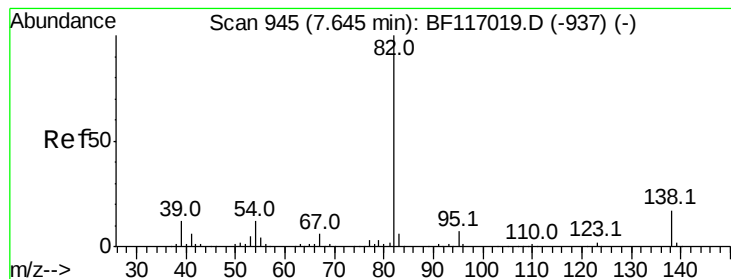


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 60.027 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.26 min

Lab File: BF117199.D

Acq: 20 Sep 2019 21:24

Instrument :

BNA_F

ClientSampleId :

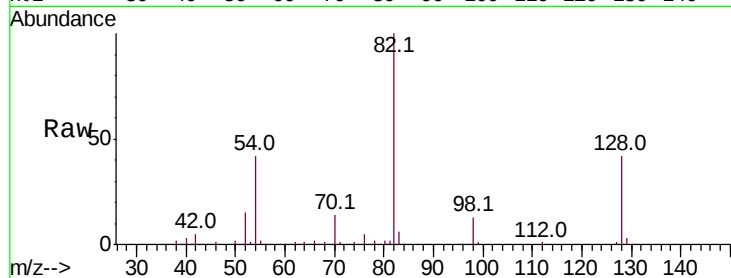
Tot Ion: 82 Resp: 314834

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

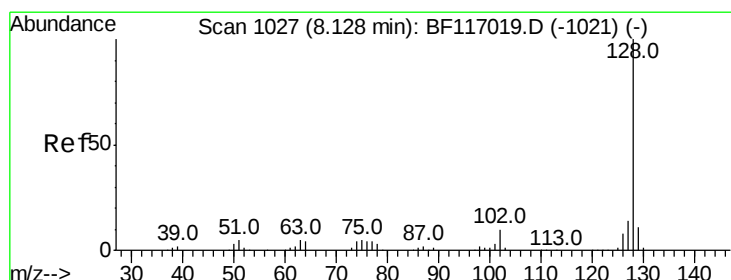
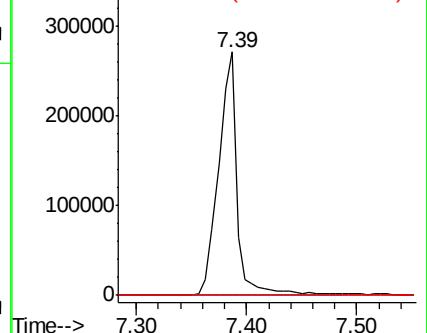
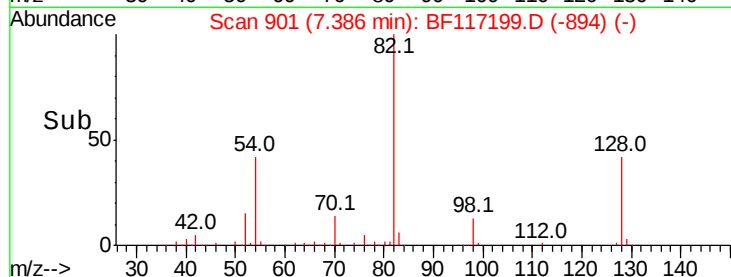
138 0.0 13.5 20.3#



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



#31

Naphthalene

Concen: 2.441 ng

RT: 8.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF117199.D

Acq: 20 Sep 2019 21:24

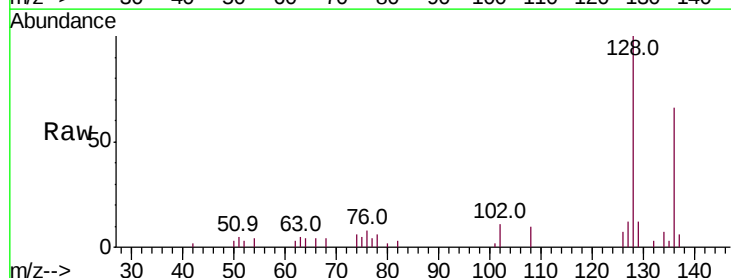
Tgt Ion: 128 Resp: 18275

Ion Ratio Lower Upper

128 100

129 11.6 9.0 13.4

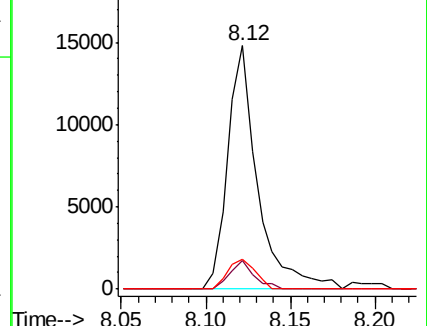
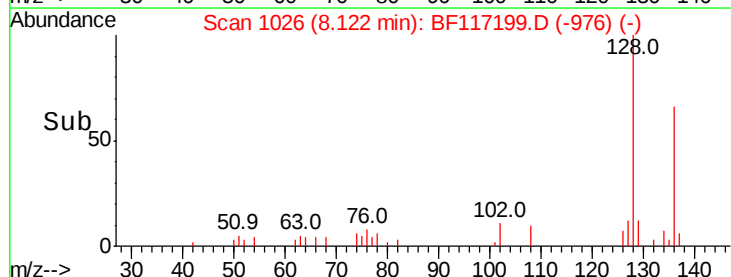
127 12.3 10.8 16.2

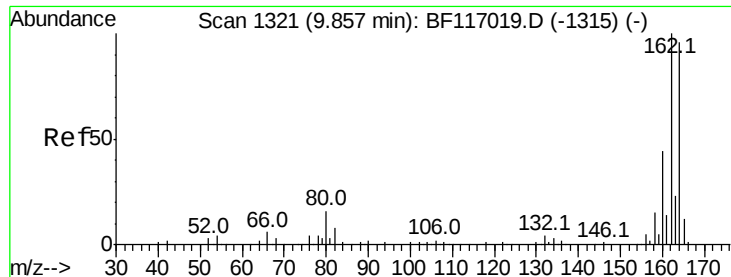


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

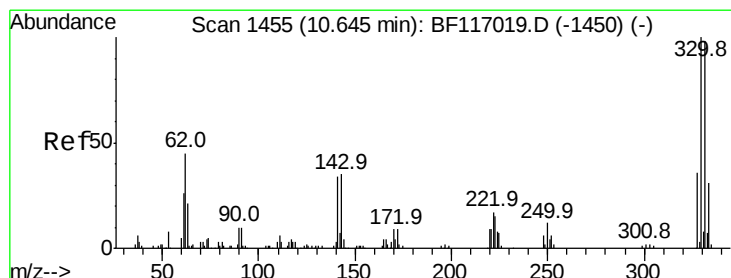
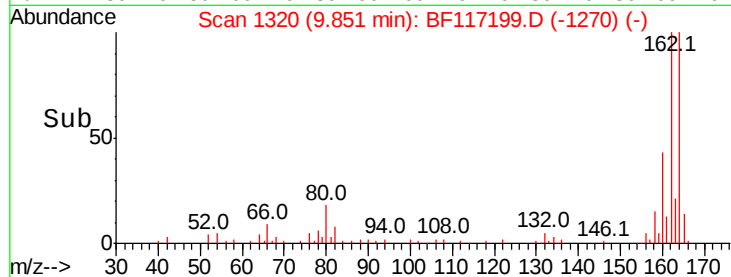
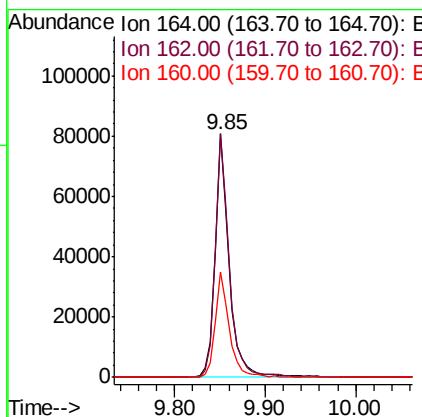
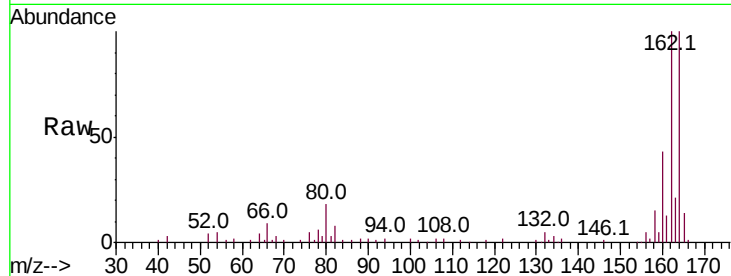




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BF117199.D
 Acq: 20 Sep 2019 21:24

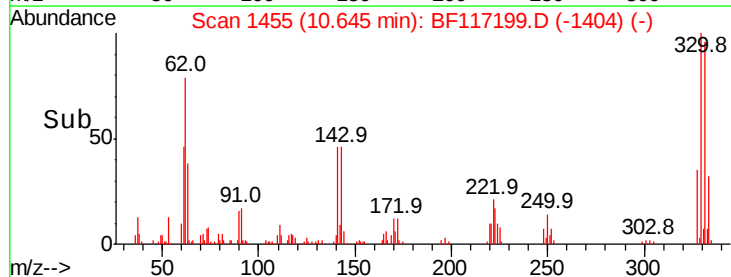
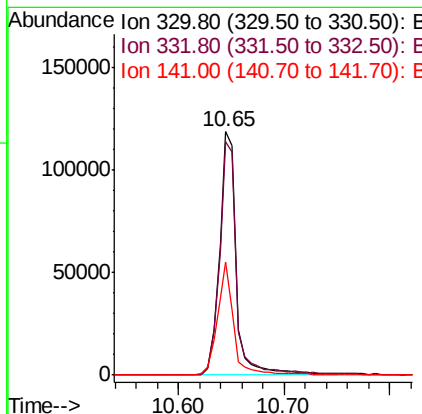
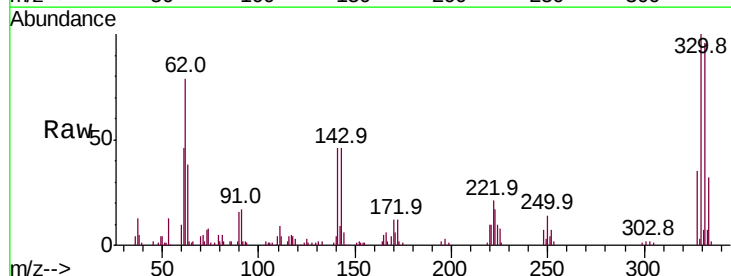
Instrument :
 BNA_F
 ClientSampled :

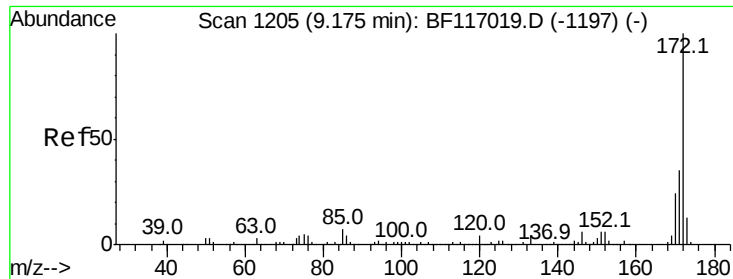
Tot Ion:164 Resp: 87052
 Ion Ratio Lower Upper
 164 100
 162 99.9 83.4 125.2
 160 43.3 36.4 54.6



#42
 2,4,6-Tribromophenol
 Concen: 184.301 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.00 min
 Lab File: BF117199.D
 Acq: 20 Sep 2019 21:24

Tgt Ion:330 Resp: 134089
 Ion Ratio Lower Upper
 330 100
 332 97.9 78.0 117.0
 141 45.2 35.8 53.6

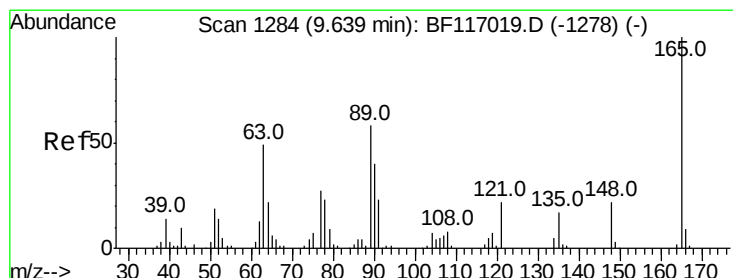
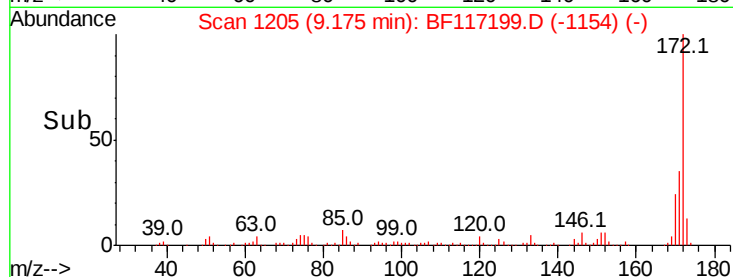
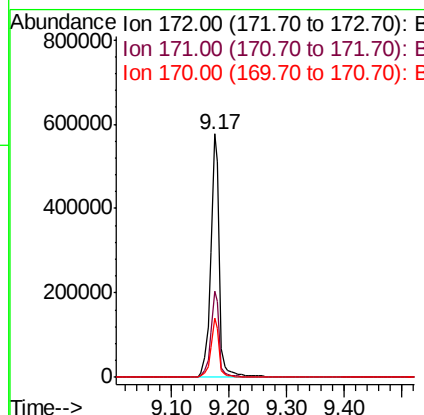
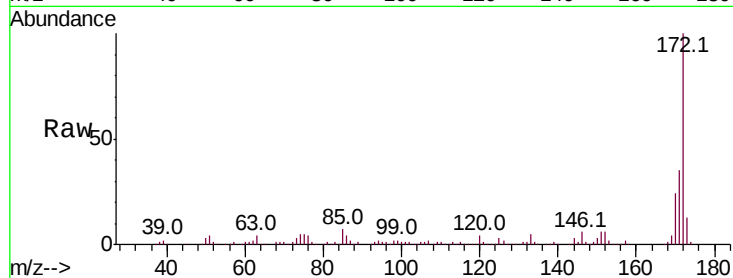




#45
 2-Fluorobiphenyl
 Concen: 110.600 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF117199.D
 Acq: 20 Sep 2019 21:24

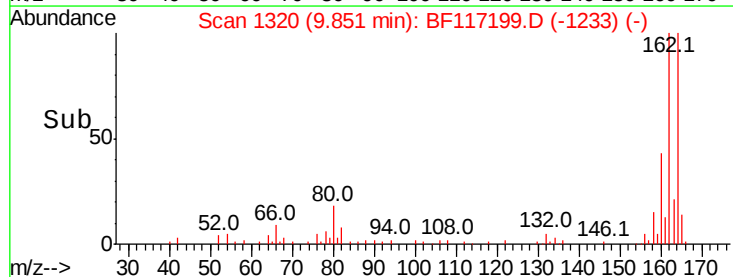
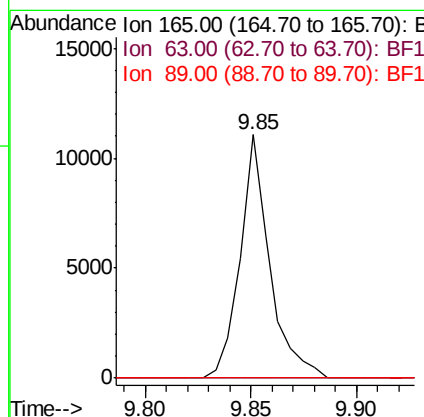
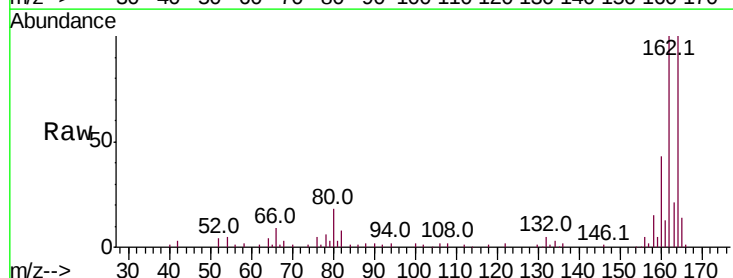
Instrument :
 BNA_F
 ClientSampleId :

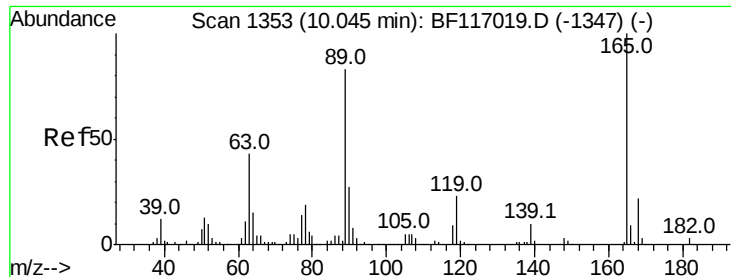
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.2	42.2
170	24.3	18.9	28.3



#51
 2,6-Dinitrotoluene
 Concen: 8.521 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.21 min
 Lab File: BF117199.D
 Acq: 20 Sep 2019 21:24

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.8	62.8#
89	0.0	46.5	69.7#

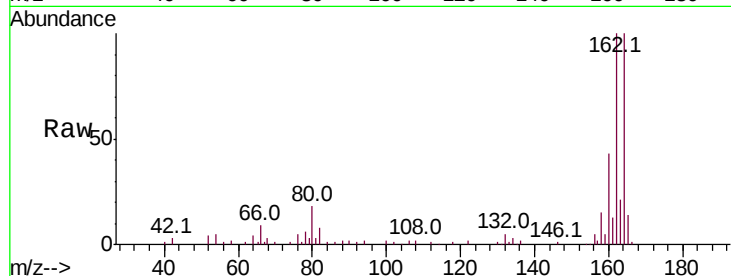




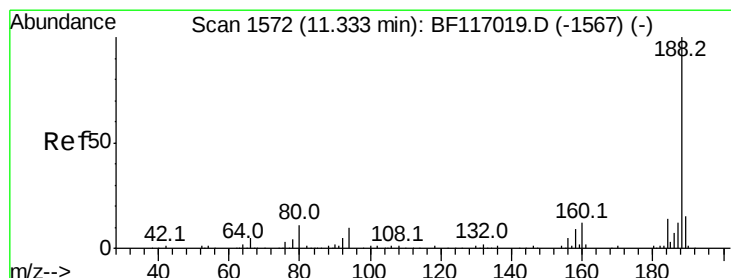
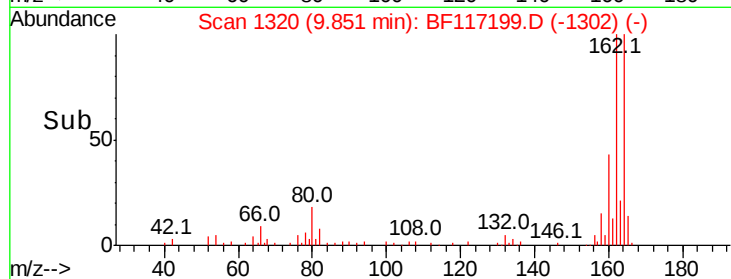
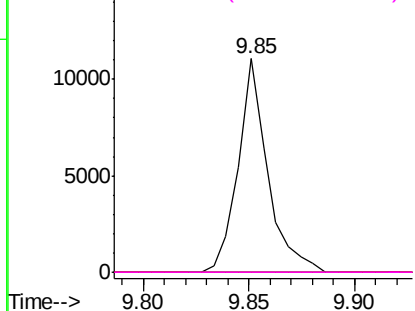
#57
 2,4-Dinitrotoluene
 Concen: 6.565 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117199.D
 Acq: 20 Sep 2019 21:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	10697
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#

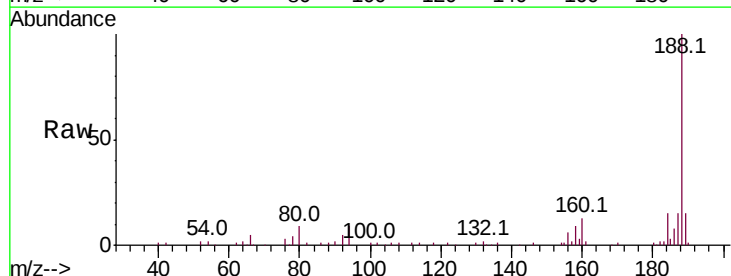


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

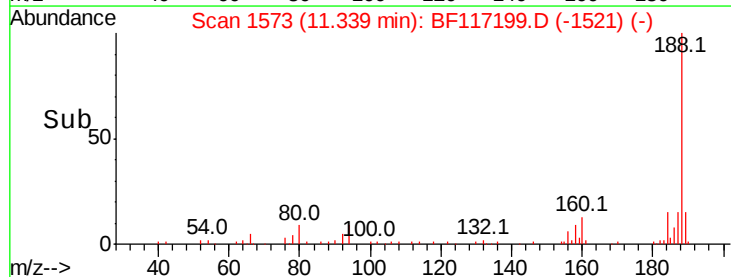
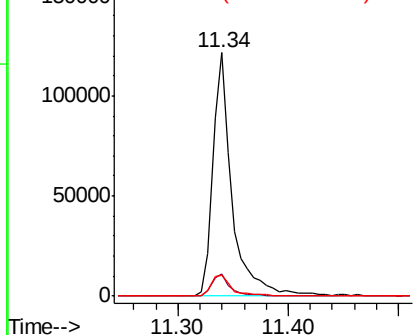


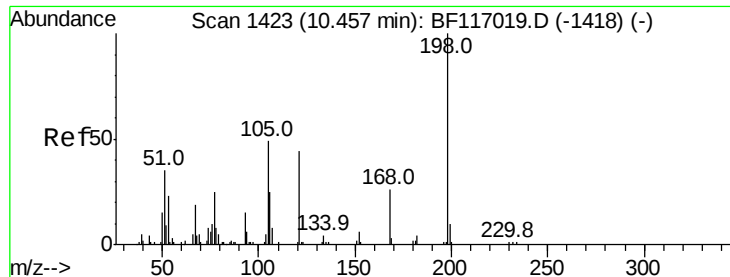
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: BF117199.D
 Acq: 20 Sep 2019 21:24

Tgt Ion:	188	Resp:	144634
Ion Ratio	Lower	Upper	
188	100		
94	9.3	8.2	12.2
80	8.8	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: 7.087 ng

RT: 10.65 min Scan# 1455

Delta R.T. 0.19 min

Lab File: BF117199.D

Acq: 20 Sep 2019 21:24

Instrument :

BNA_F

ClientSampleId :

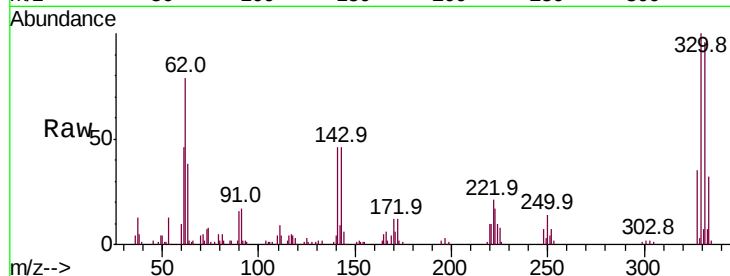
Tot Ion:198 Resp: 142

Ion Ratio Lower Upper

198 100

51 163.4 18.7 58.7#

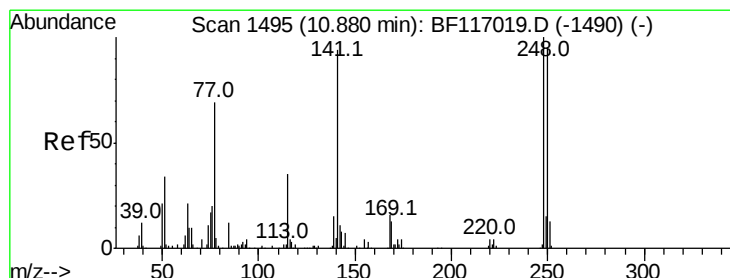
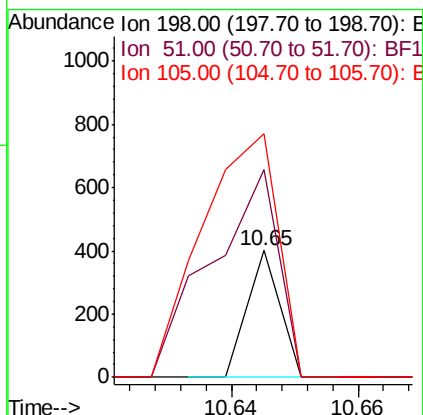
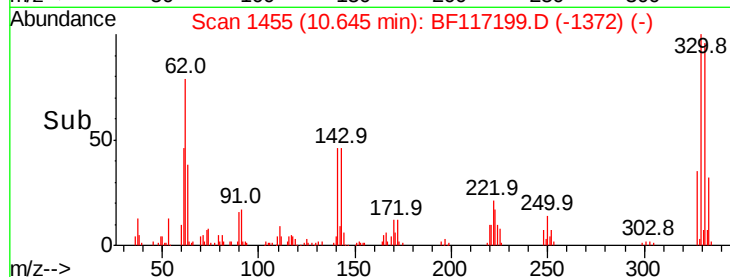
105 191.5 30.2 70.2#



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: 5.652 ng

RT: 10.65 min Scan# 1455

Delta R.T. -0.24 min

Lab File: BF117199.D

Acq: 20 Sep 2019 21:24

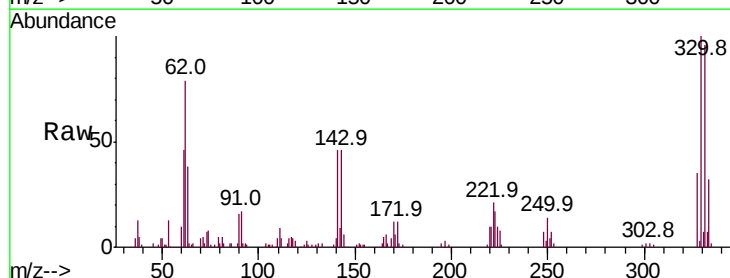
Tgt Ion:248 Resp: 8348

Ion Ratio Lower Upper

248 100

250 200.3 76.2 114.4#

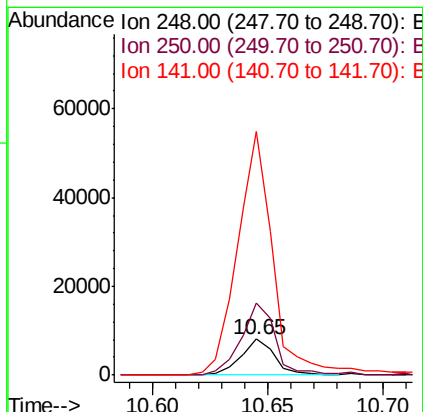
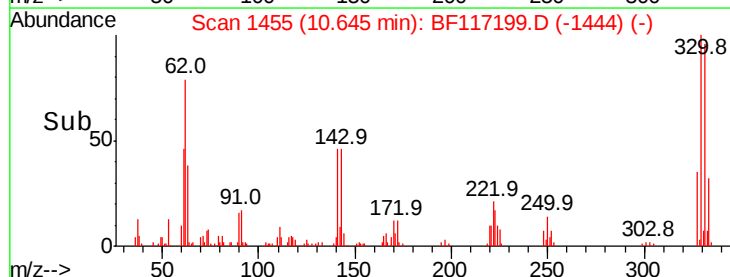
141 677.3 75.0 112.4#

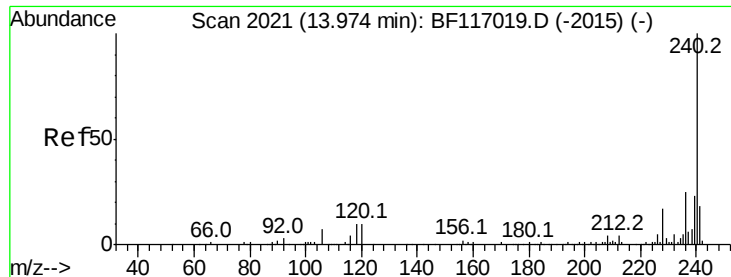


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

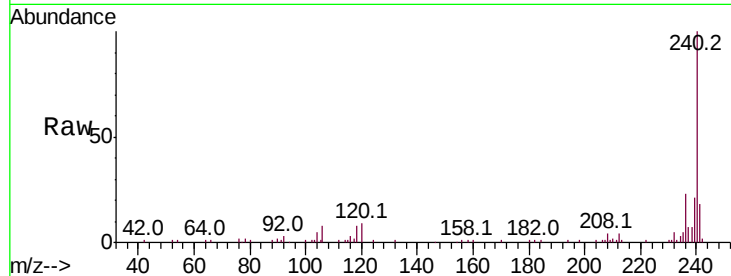




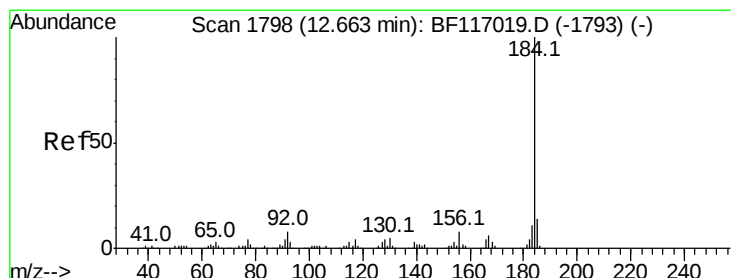
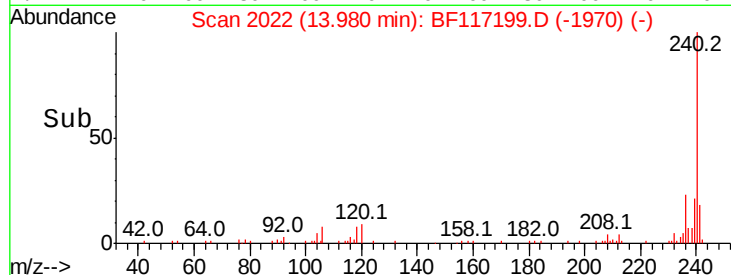
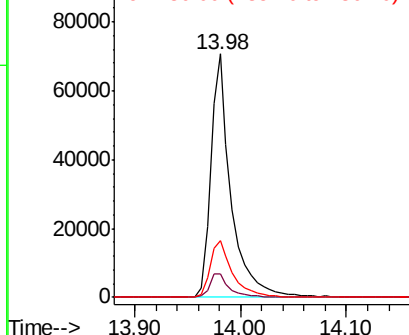
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. 0.01 min
 Lab File: BF117199.D
 Acq: 20 Sep 2019 21:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:240 Resp: 94016
 Ion Ratio Lower Upper
 240 100
 120 9.5 8.3 12.5
 236 23.1 20.3 30.5

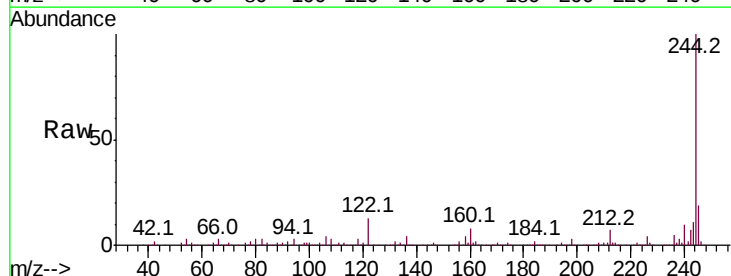


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

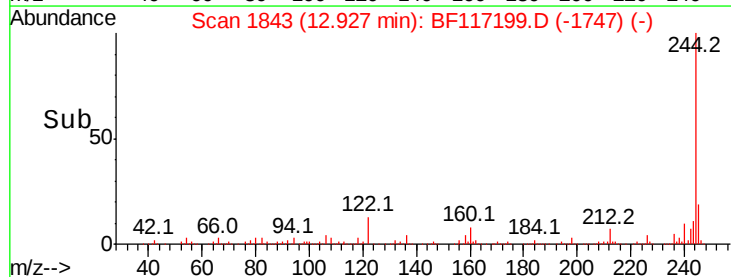
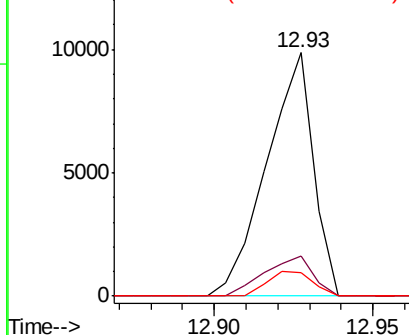


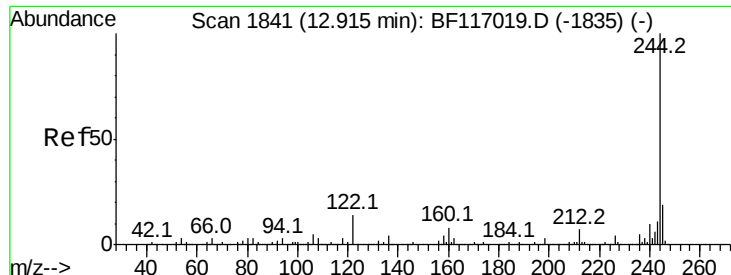
#77
 Benzidine
 Concen: 3.341 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. 0.26 min
 Lab File: BF117199.D
 Acq: 20 Sep 2019 21:24

Tgt Ion:184 Resp: 10119
 Ion Ratio Lower Upper
 184 100
 185 16.7 11.6 17.4
 183 9.4 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: 130.430 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BF117199.D

Acq: 20 Sep 2019 21:24

Instrument :

BNA_F

ClientSampleId :

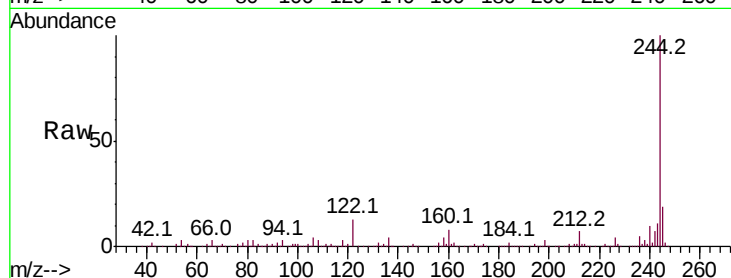
Tot Ion:244 Resp: 656024

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

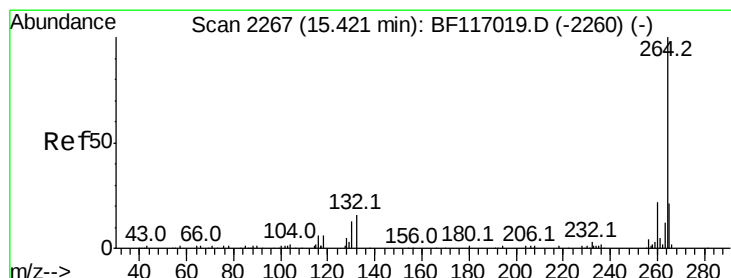
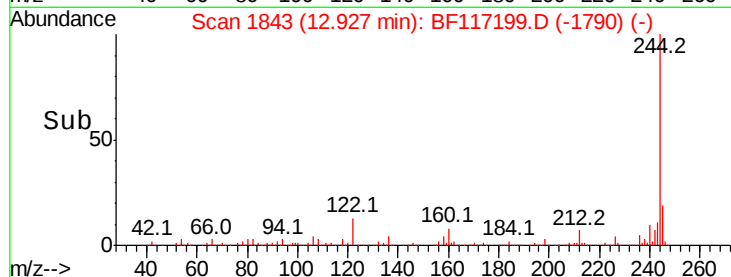
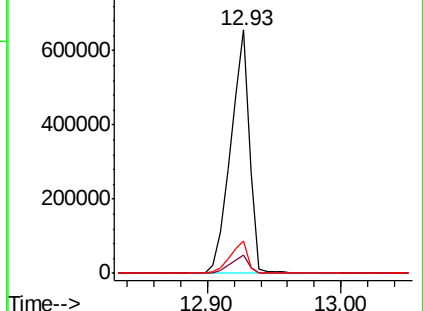
122 13.4 11.3 16.9



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

Perylene-d12

Concen: 20.000 ng

RT: 15.43 min Scan# 2269

Delta R.T. 0.01 min

Lab File: BF117199.D

Acq: 20 Sep 2019 21:24

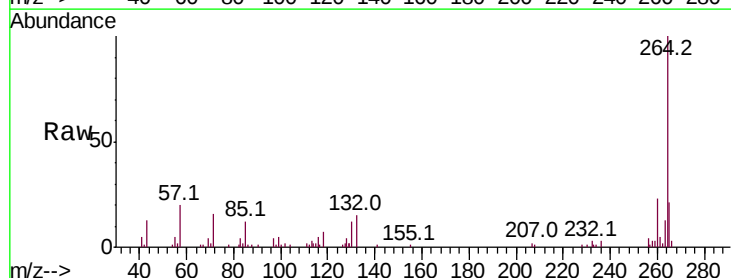
Tgt Ion:264 Resp: 69545

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

