

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112519\
 Data File : BF117997.D
 Acq On : 26 Nov 2019 5:58
 Operator : JU
 Sample : K5999-01 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 26 07:21:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 26 05:38:20 2019
 Response via : Initial Calibration

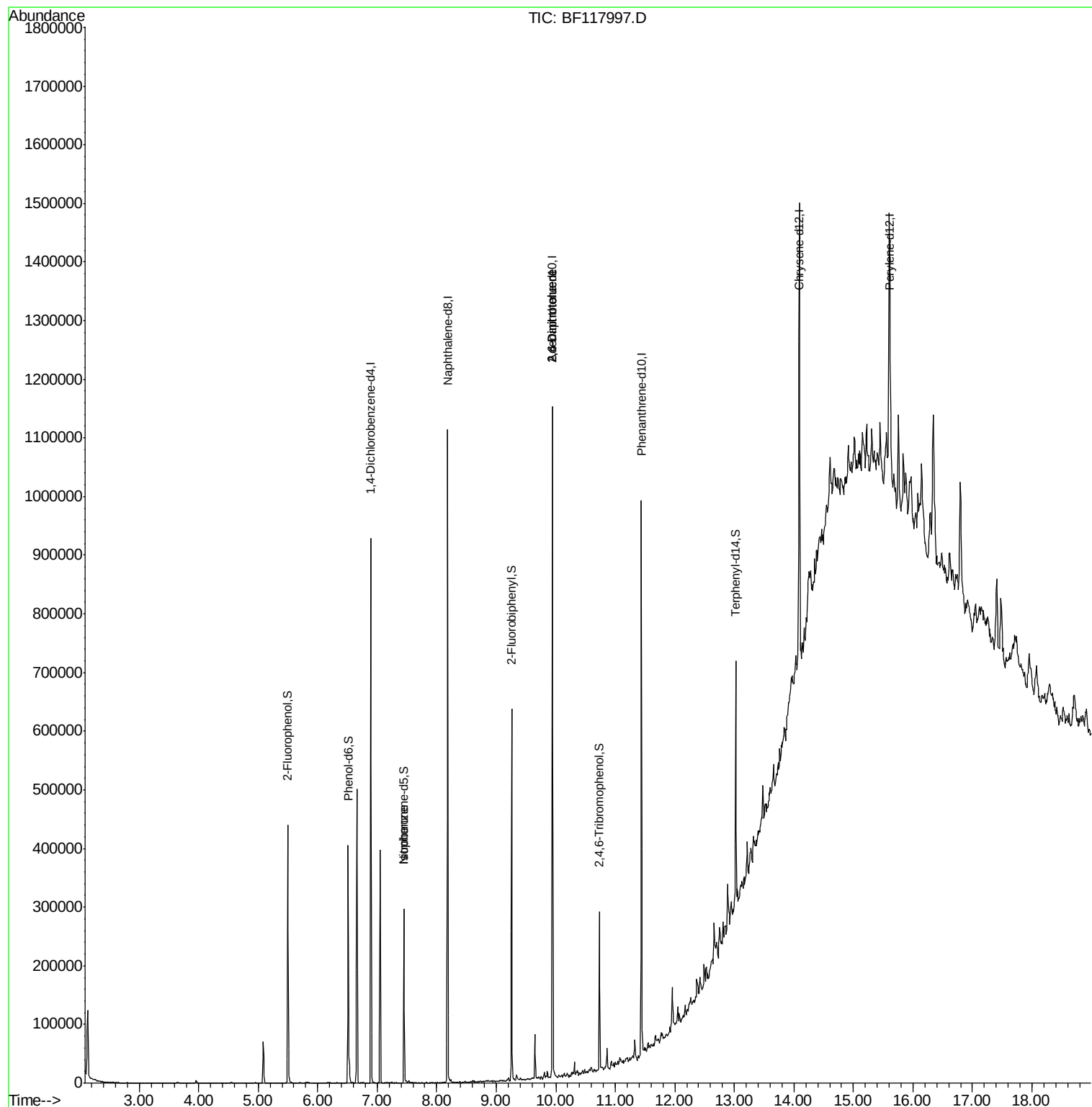
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	123992	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	457341	20.00	ng	0.00
39) Acenaphthene-d10	9.95	164	211636	20.00	ng	0.00
64) Phenanthrene-d10	11.44	188	327182	20.00	ng	0.00
76) Chrysene-d12	14.09	240	232864	20.00	ng	0.00
87) Perylene-d12	15.60	264	204823	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	114548	16.35	ng	0.00
7) Phenol-d6	6.52	99	143014	16.93	ng	0.00
23) Nitrobenzene-d5	7.45	82	80646	10.48	ng	-0.01
42) 2,4,6-Tribromophenol	10.73	330	29323	13.09	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	168430	14.28	ng	0.00
79) Terphenyl-d14	13.03	244	139272	10.93	ng	0.00
Target Compounds						
9) Benzaldehyde	6.51	77	251	Below Cal	Qvalue # 1	
25) Isophorone	7.45	82	80644	5.719 ng	# 62	
51) 2,6-Dinitrotoluene	9.95	165	27421	8.454 ng	# 24	
57) 2,4-Dinitrotoluene	9.95	165	27421	6.646 ng	# 25	
75) Fluoranthene	12.66	202	20829	Below Cal	97	

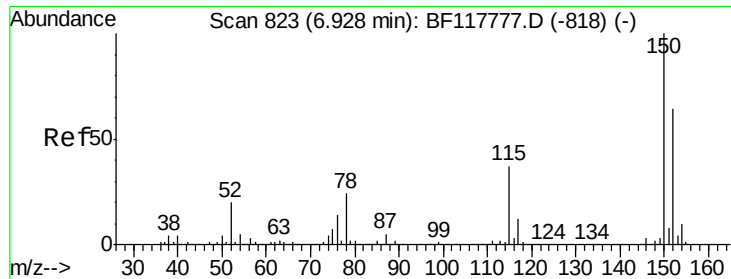
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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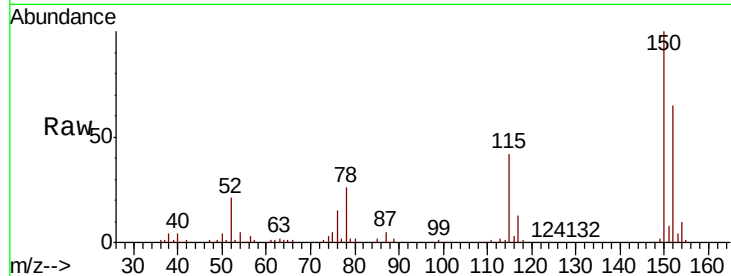


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. 0.00 min
Lab File: BF117997.D
Acq: 26 Nov 2019 5:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	125.3	187.9
115	64.3	47.0	70.4

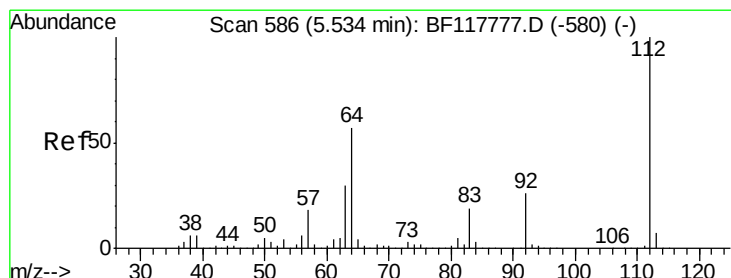
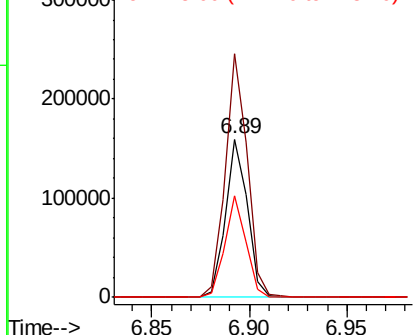
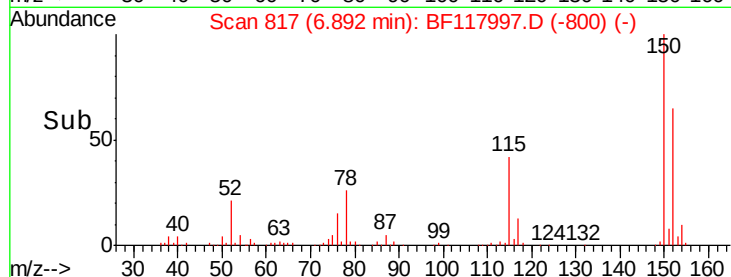


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

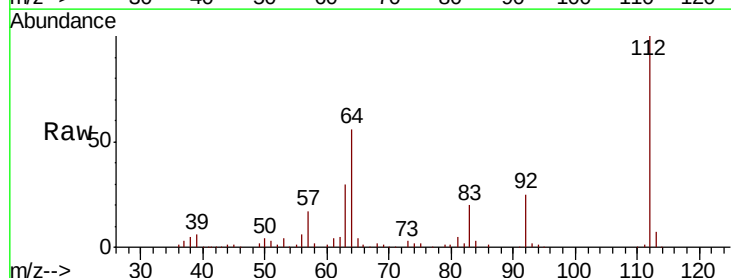
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 16.353 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.00 min
Lab File: BF117997.D
Acq: 26 Nov 2019 5:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	45.6	68.4
63	29.7	24.1	36.1

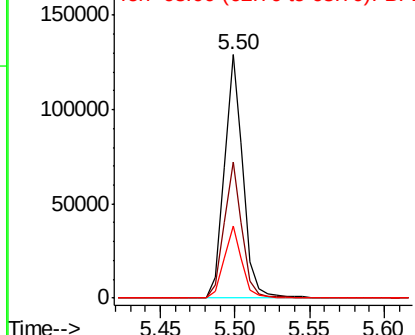
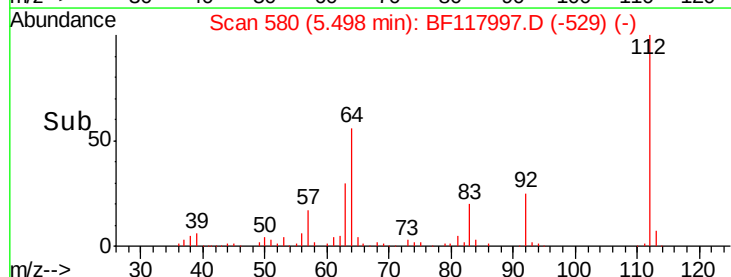


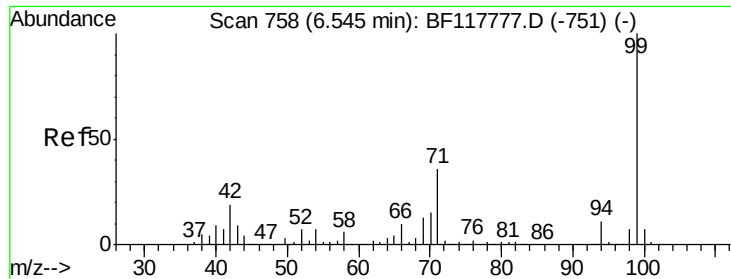
Abundance

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: 16.927 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF117997.D

Acq: 26 Nov 2019 5:58

Instrument :

BNA_F

ClientSampleId :

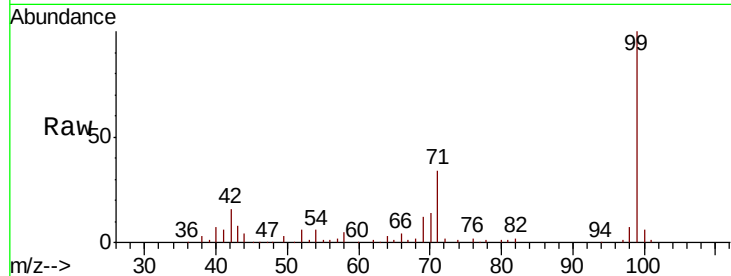
Tot Ion: 99 Resp: 143014

Ion Ratio Lower Upper

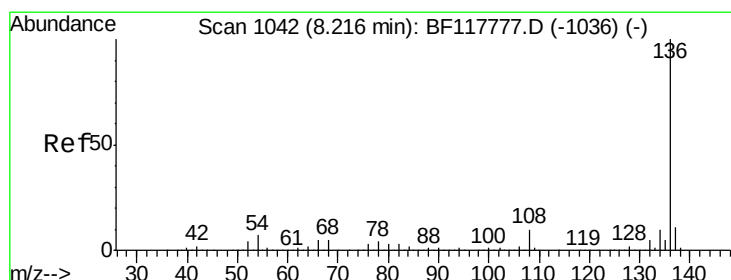
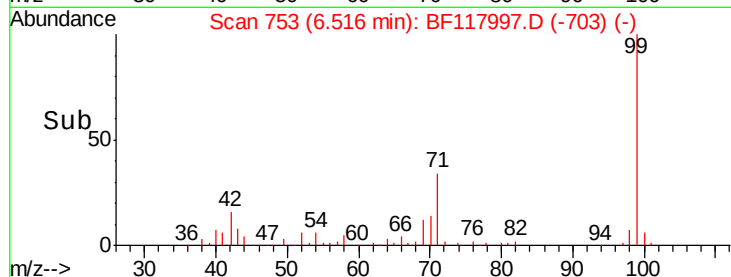
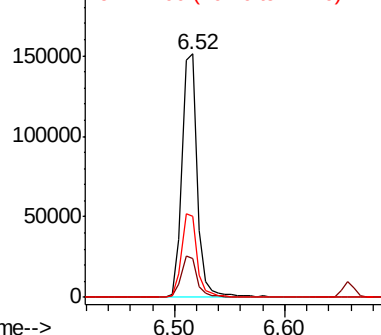
99 100

42 15.8 14.9 22.3

71 33.5 28.6 43.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.18 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BF117997.D

Acq: 26 Nov 2019 5:58

Tgt Ion: 136 Resp: 457341

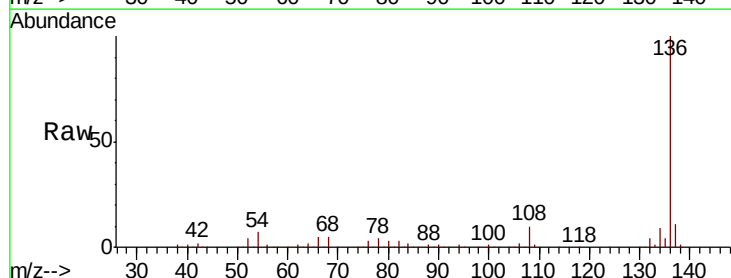
Ion Ratio Lower Upper

136 100

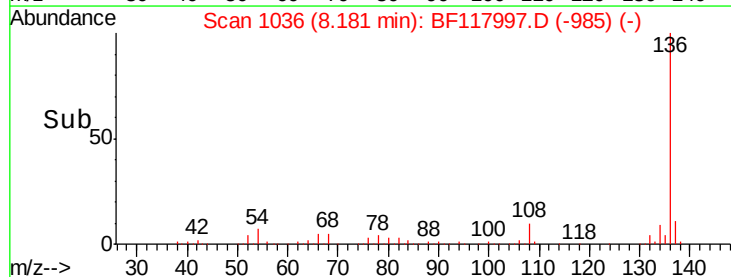
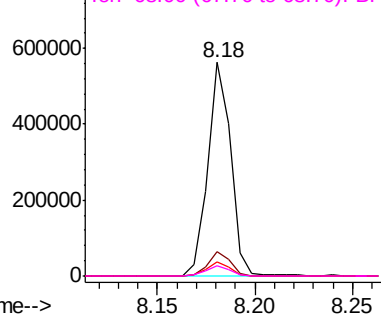
137 11.2 9.0 13.4

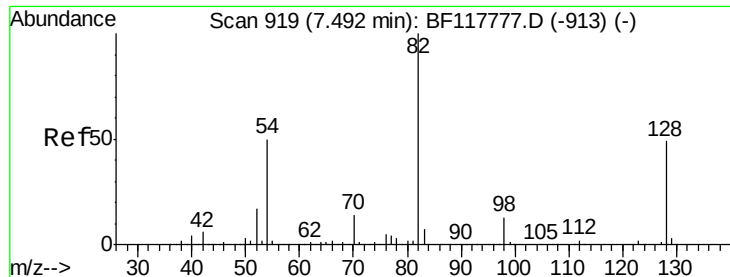
54 6.7 5.4 8.2

68 4.9 4.3 6.5



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

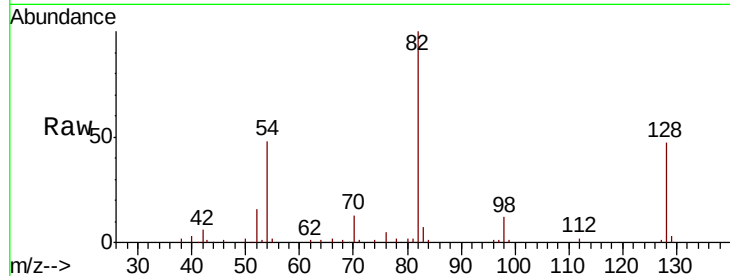




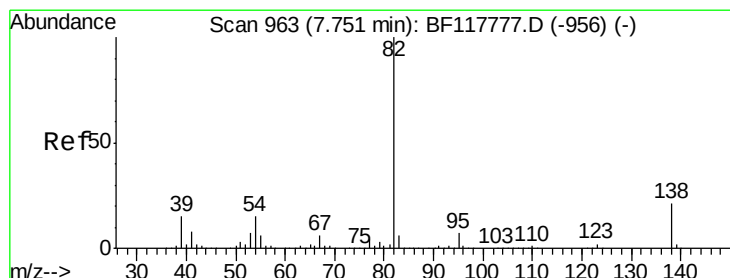
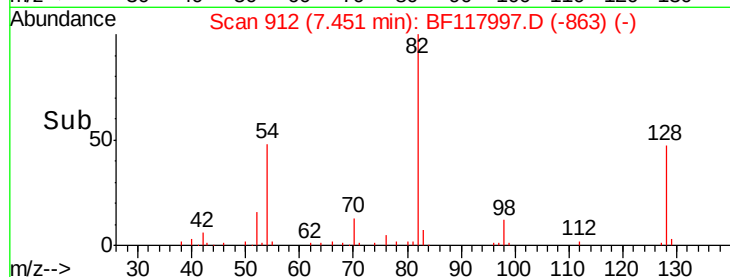
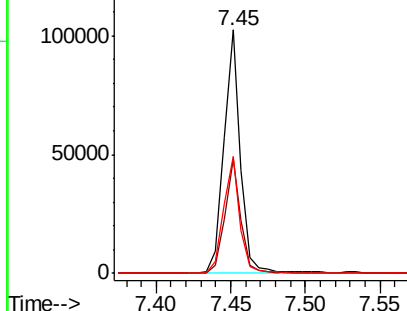
#23
Nitrobenzene-d5
Concen: 10.482 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF117997.D
Acq: 26 Nov 2019 5:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.0	38.9	58.3
54	47.8	39.8	59.6

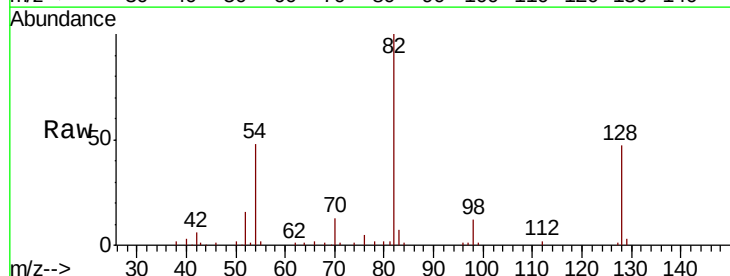


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

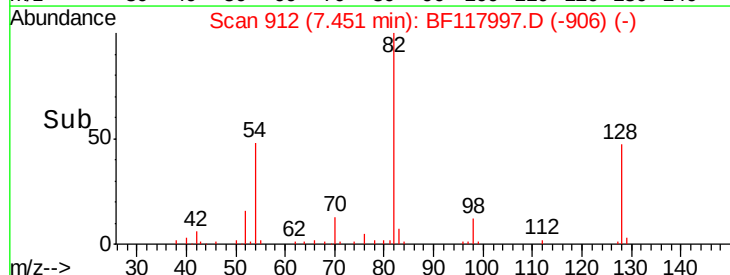
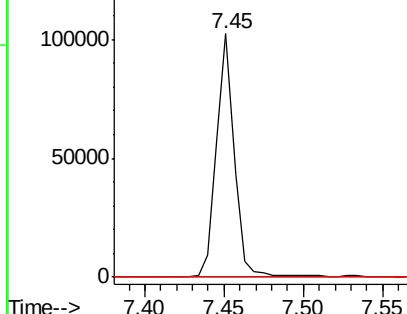


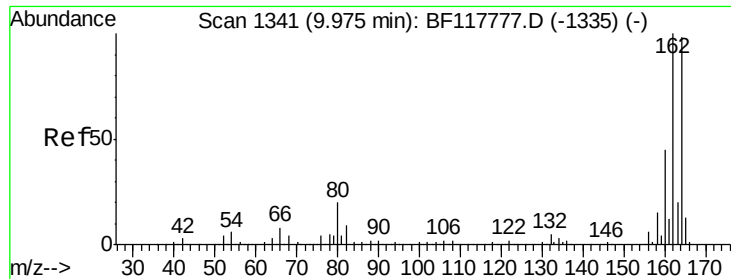
#25
Isophorone
Concen: 5.719 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.26 min
Lab File: BF117997.D
Acq: 26 Nov 2019 5:58

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.8	8.8#
138	0.0	16.5	24.7#



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

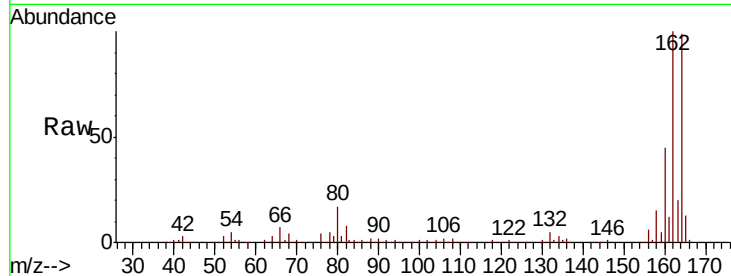




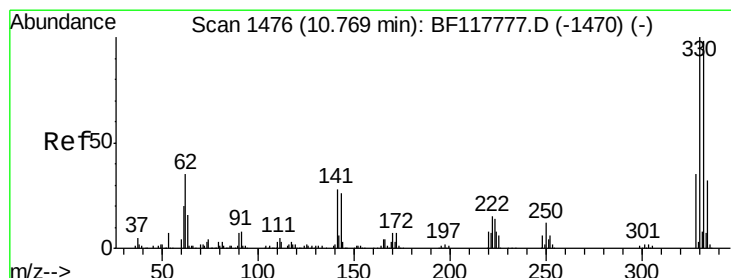
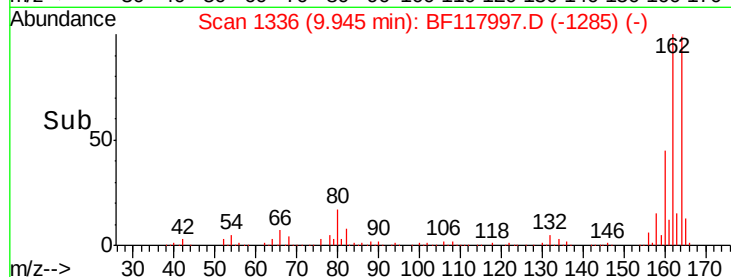
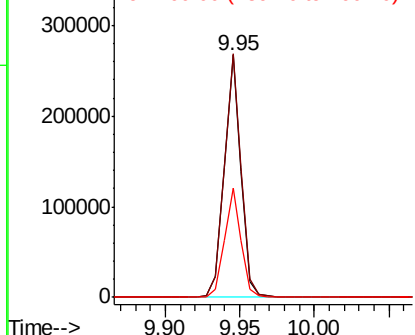
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1336
Delta R.T. 0.00 min
Lab File: BF117997.D
Acq: 26 Nov 2019 5:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 211636
Ion Ratio Lower Upper
164 100
162 100.6 81.3 121.9
160 45.2 36.6 55.0

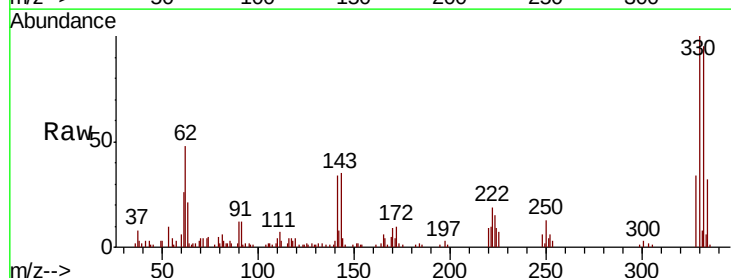


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

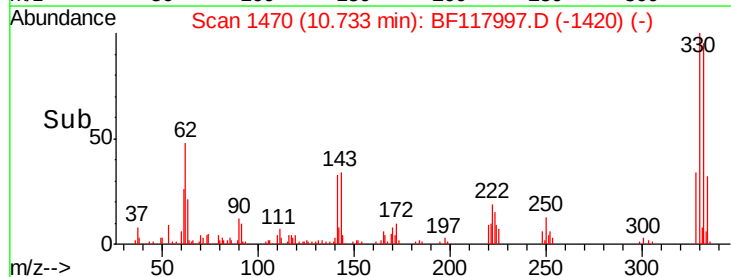
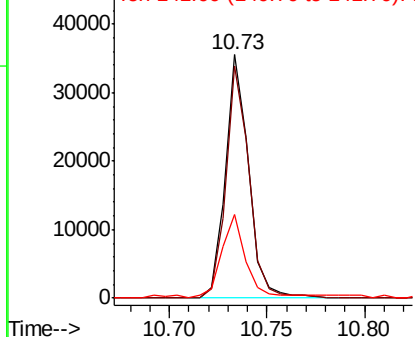


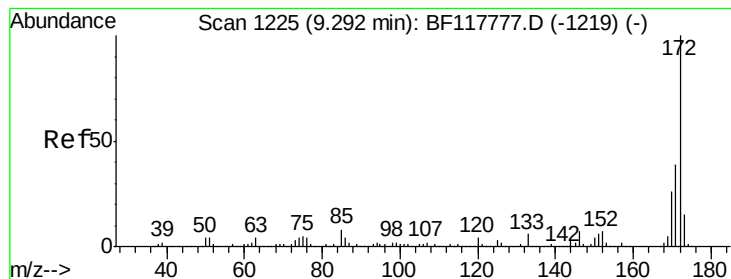
#42
2,4,6-Tribromophenol
Concen: 13.087 ng
RT: 10.73 min Scan# 1470
Delta R.T. -0.01 min
Lab File: BF117997.D
Acq: 26 Nov 2019 5:58

Tgt Ion:330 Resp: 29323
Ion Ratio Lower Upper
330 100
332 94.8 76.7 115.1
141 36.0 27.7 41.5



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: 14.278 ng

RT: 9.26 min Scan# 1219

Delta R.T. -0.01 min

Lab File: BF117997.D

Acq: 26 Nov 2019 5:58

Instrument :

BNA_F

ClientSampleId :

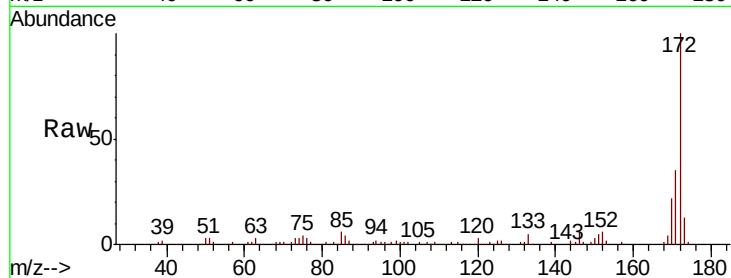
Tot Ion:172 Resp: 168430

Ion Ratio Lower Upper

172 100

171 34.7 30.9 46.3

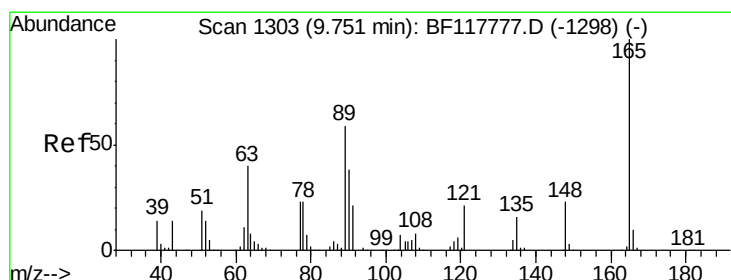
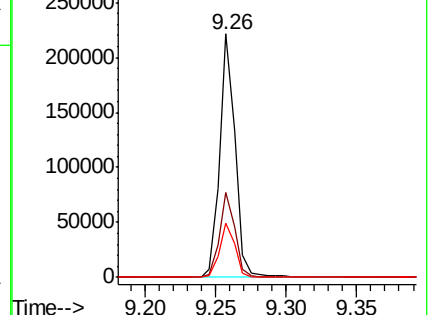
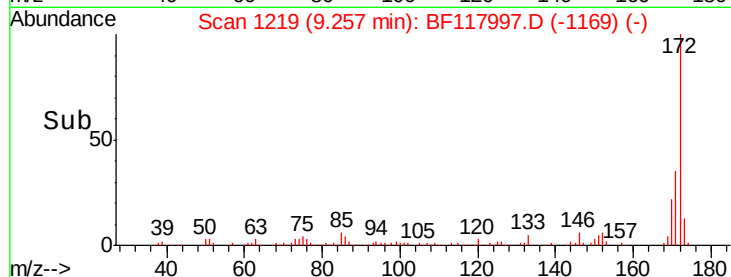
170 22.1 21.0 31.4



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: 8.454 ng

RT: 9.95 min Scan# 1336

Delta R.T. 0.22 min

Lab File: BF117997.D

Acq: 26 Nov 2019 5:58

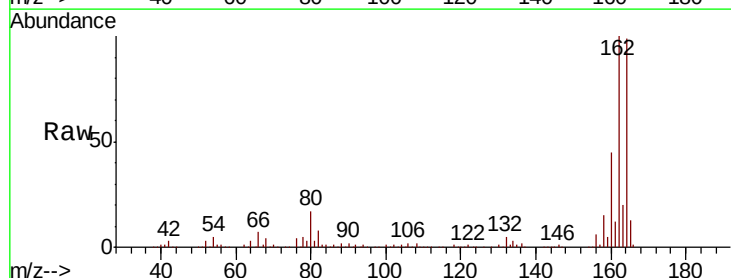
Tgt Ion:165 Resp: 27421

Ion Ratio Lower Upper

165 100

63 1.3 46.0 69.0#

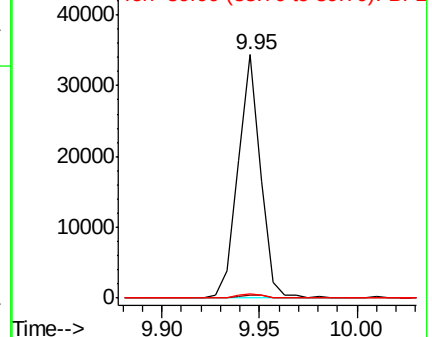
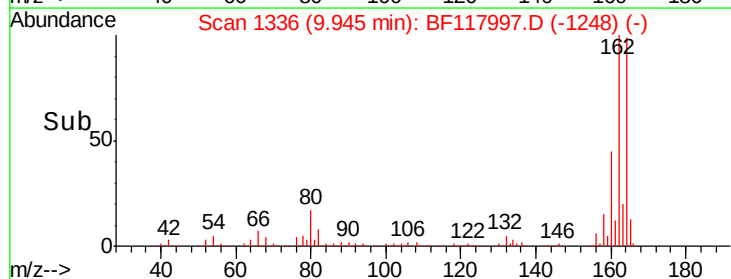
89 1.7 47.7 71.5#

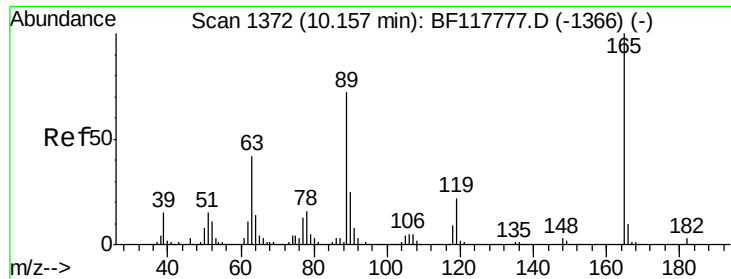


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

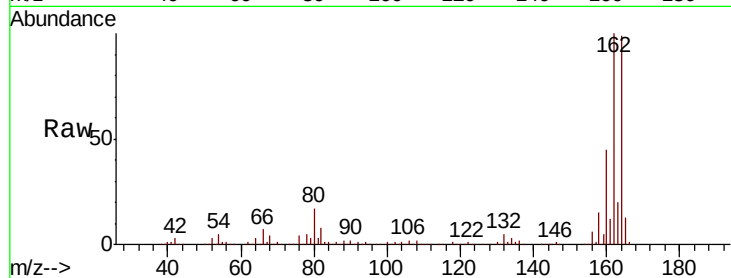




#57
 2,4-Dinitrotoluene
 Concen: 6.646 ng
 RT: 9.95 min Scan# 1336
 Delta R.T. -0.19 min
 Lab File: BF117997.D
 Acq: 26 Nov 2019 5:58

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	33.7	50.5#
89	1.7	57.3	85.9#
182	0.0	2.3	3.5#



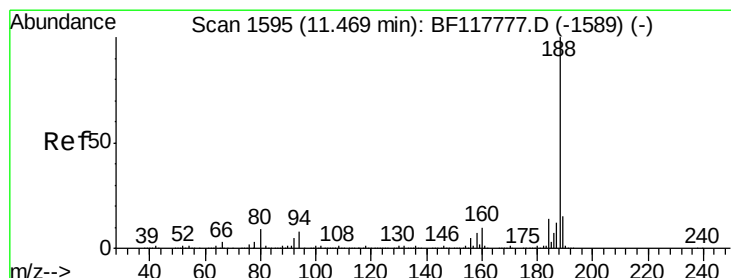
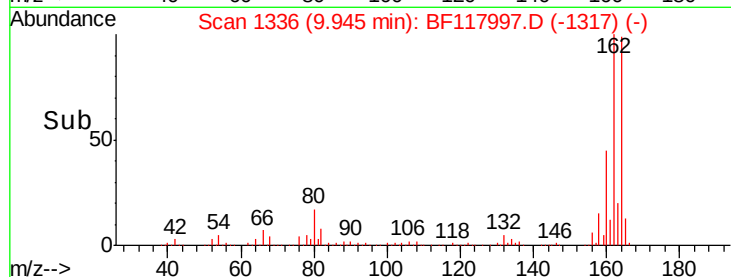
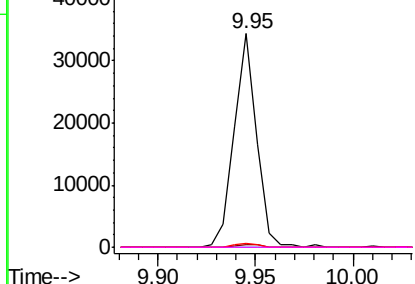
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

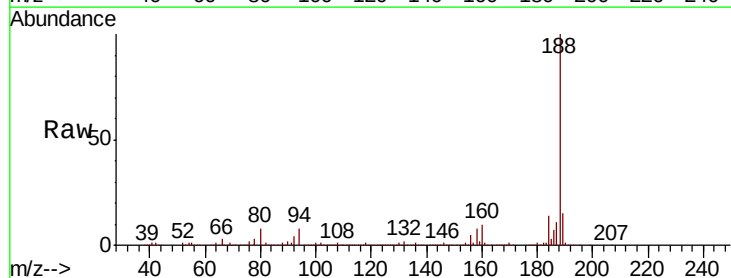
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. 0.01 min
 Lab File: BF117997.D
 Acq: 26 Nov 2019 5:58

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.6	10.0
80	7.9	7.2	10.8

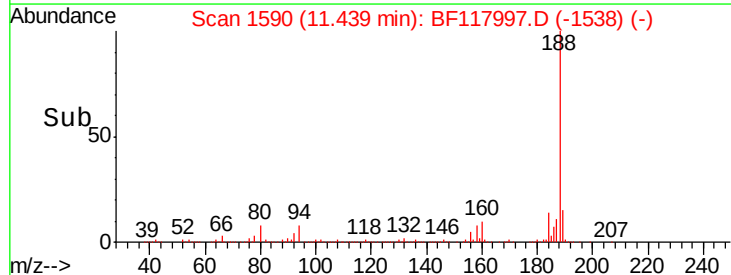
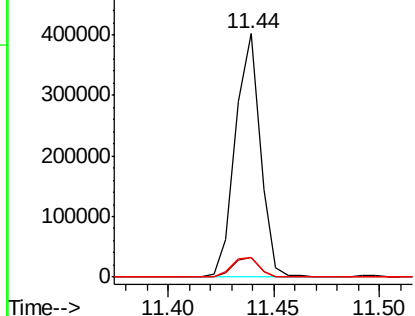


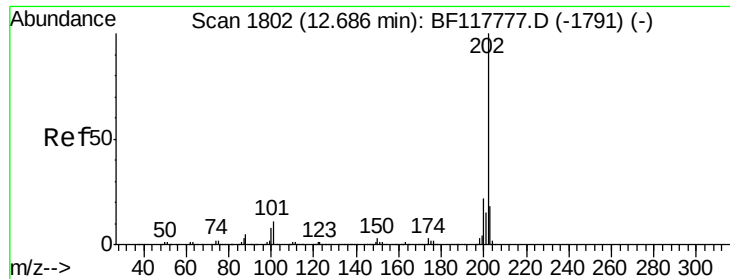
Abundance

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





#75

Fluoranthene

Concen: Below Cal

RT: 12.66 min Scan# 1797

Delta R.T. 0.01 min

Lab File: BF117997.D

Acq: 26 Nov 2019 5:58

Instrument :

BNA_F

ClientSampleId :

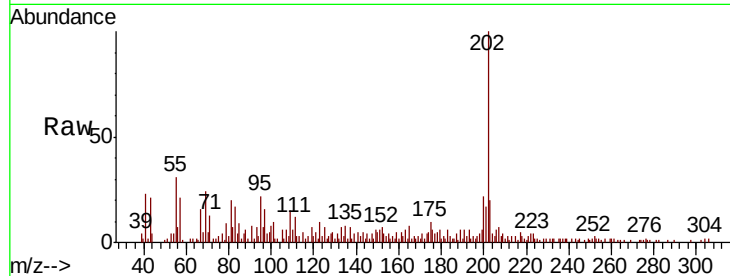
Tot Ion:202 Resp: 20829

Ion Ratio Lower Upper

202 100

101 11.6 0.0 31.1

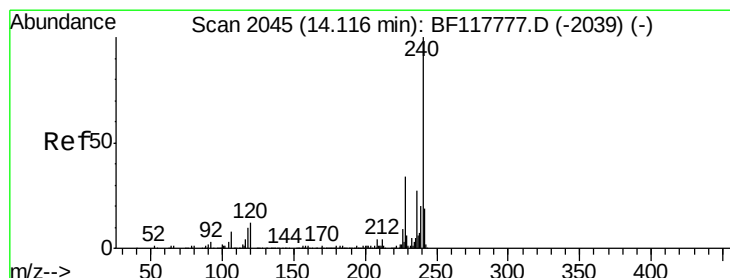
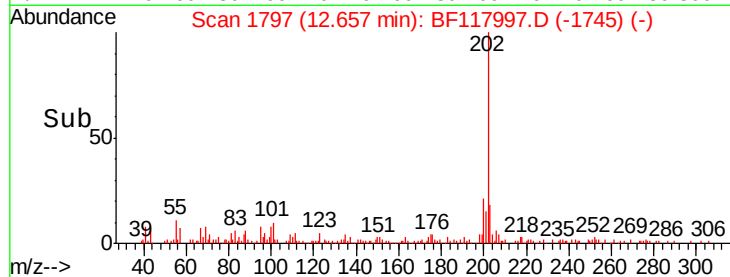
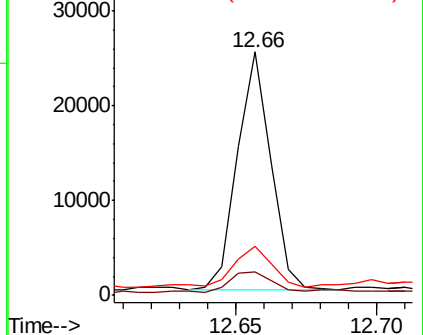
203 20.3 0.0 38.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.09 min Scan# 2041

Delta R.T. 0.01 min

Lab File: BF117997.D

Acq: 26 Nov 2019 5:58

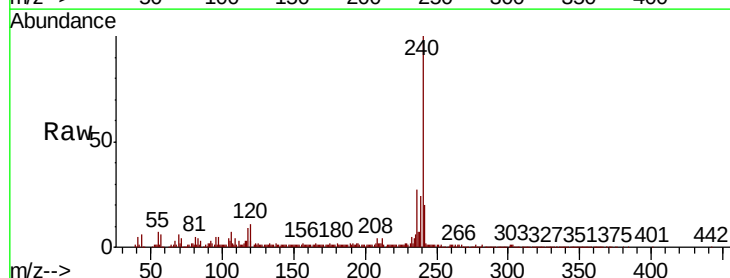
Tgt Ion:240 Resp: 232864

Ion Ratio Lower Upper

240 100

120 10.9 9.5 14.3

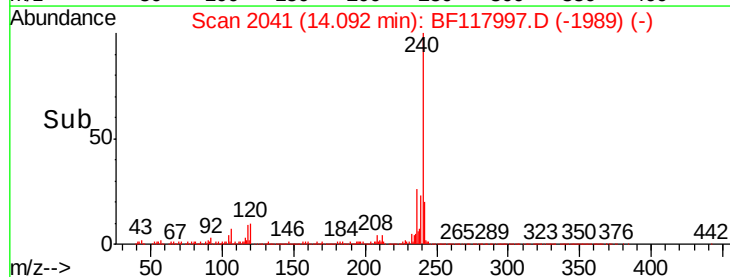
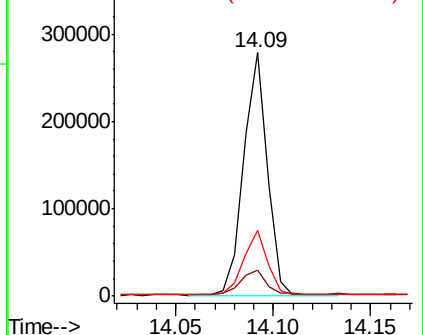
236 26.8 21.3 31.9

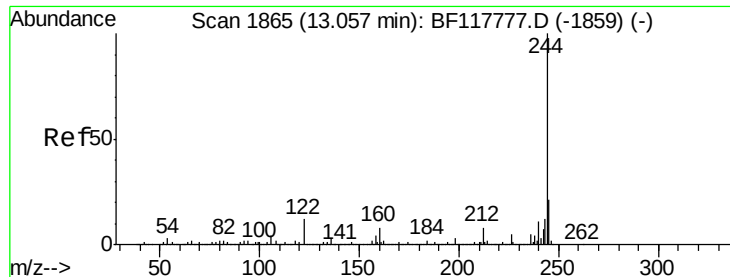


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 10.931 ng

RT: 13.03 min Scan# 1860

Delta R.T. 0.00 min

Lab File: BF117997.D

Acq: 26 Nov 2019 5:58

Instrument :

BNA_F

ClientSampleId :

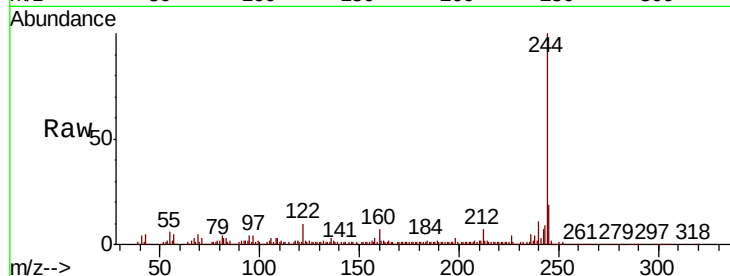
Tot Ion:244 Resp: 139272

Ion Ratio Lower Upper

244 100

212 7.1 6.3 9.5

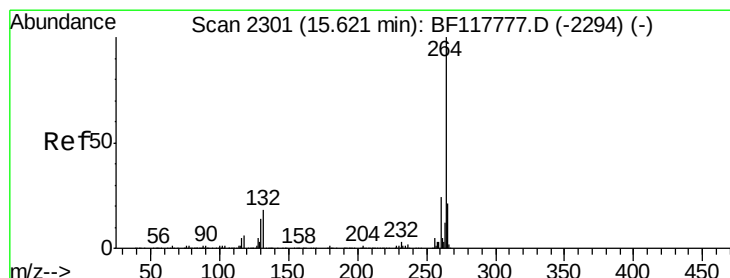
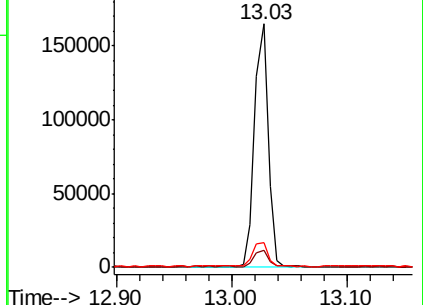
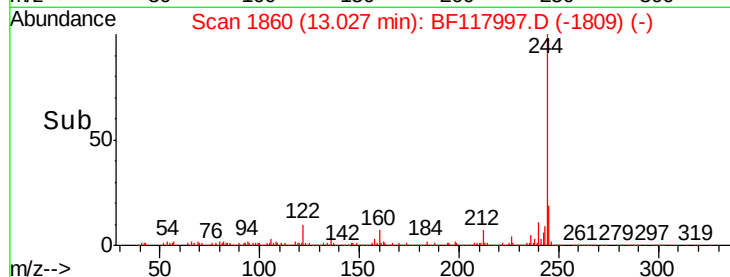
122 10.0 9.4 14.2



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: 15.60 min Scan# 2298

Delta R.T. 0.02 min

Lab File: BF117997.D

Acq: 26 Nov 2019 5:58

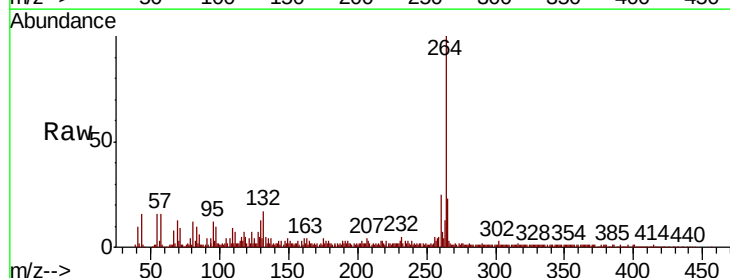
Tgt Ion:264 Resp: 204823

Ion Ratio Lower Upper

264 100

260 24.6 19.4 29.0

265 22.7 17.1 25.7



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

