

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
 Data File : BF111749.D
 Acq On : 27 Dec 2018 8:06
 Operator : JU/SJ
 Sample : J6496-01DL 2X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 27 11:13:23 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 27 11:05:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	128719	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	450034	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	210889	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	414687	20.00	ng	0.00
76) Chrysene-d12	14.06	240	302348	20.00	ng	0.00
87) Perylene-d12	15.55	264	237039	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	250075	33.12	ng	0.00
7) Phenol-d6	6.54	99	187642	19.52	ng	0.00
23) Nitrobenzene-d5	7.46	82	380275	49.19	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	170410	68.39	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	717269	49.57	ng	0.00
79) Terphenyl-d14	13.01	244	760578	47.71	ng	0.00

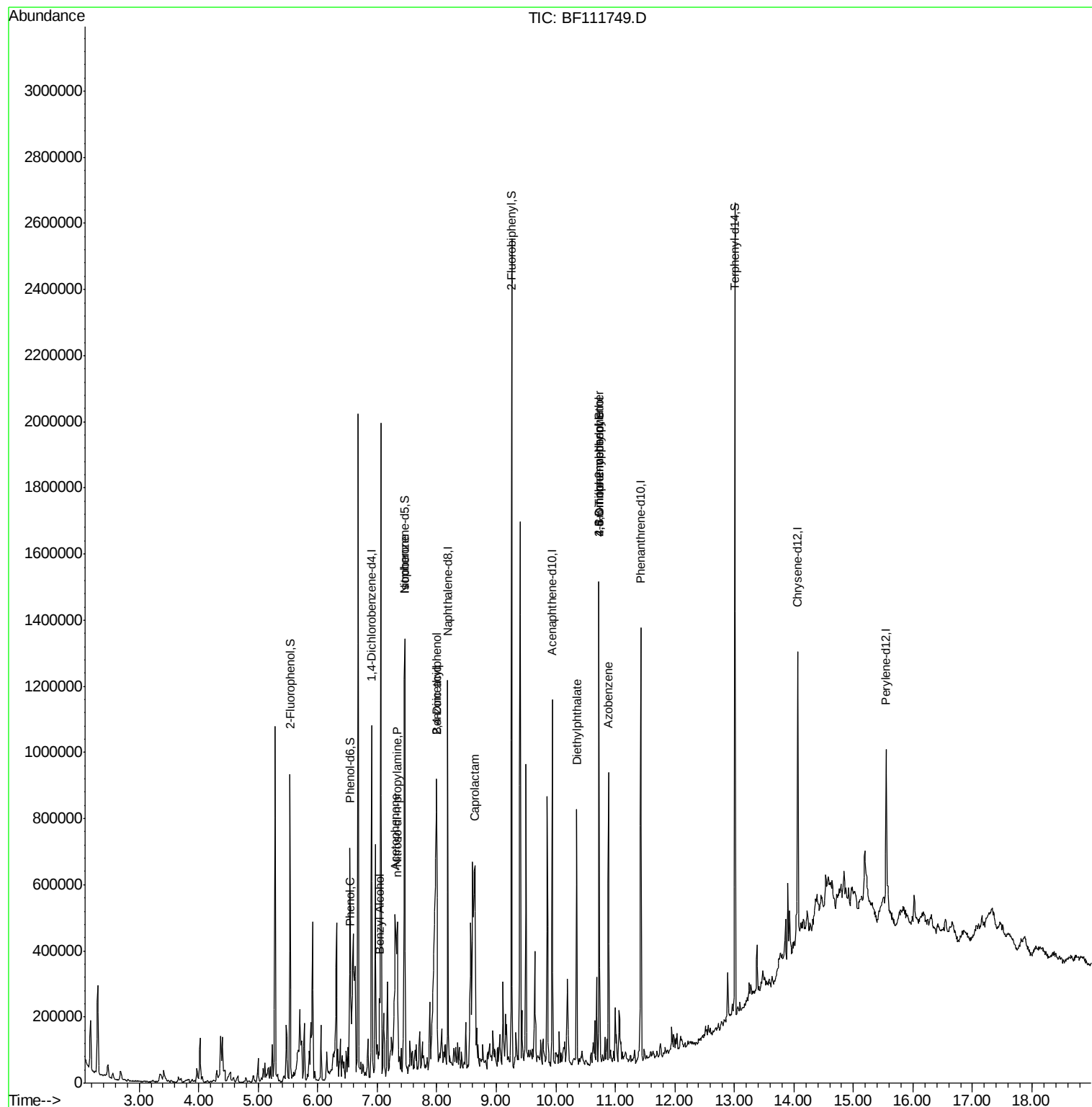
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.56	94	33902	3.126	ng	95
15) Benzyl Alcohol	7.04	79	31364	4.109	ng	# 86
19) n-Nitroso-di-n-propylamine	7.34	70	17988	2.818	ng	# 36
22) Acetophenone	7.30	105	44759	3.926	ng	# 87
25) Isophorone	7.46	82	377988	27.539	ng	# 64
27) 2,4-Dimethylphenol	7.99	122	283748	43.799	ng	# 10
32) Benzoic acid	7.99	122	283748	66.243	ng	87
35) Caprolactam	8.63	113	114334	48.422	ng	93
60) Diethylphthalate	10.35	149	130766	8.644	ng	98
63) Azobenzene	10.89	77	106076	6.985	ng	# 1
65) 4,6-Dinitro-2-methylphenol	10.73	198	337	6.862	ng	# 1
67) 4-Bromophenyl-phenylether	10.73	248	10336	2.010	ng	# 1

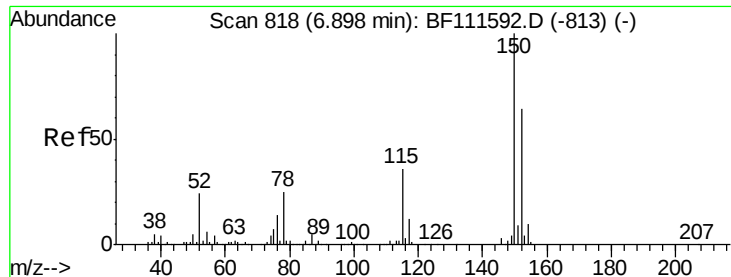
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.90 min Scan# 819

Delta R.T. -0.00 min

Lab File: BF111749.D

Acq: 27 Dec 2018 8:06

Instrument :

BNA_F

ClientSampleId :

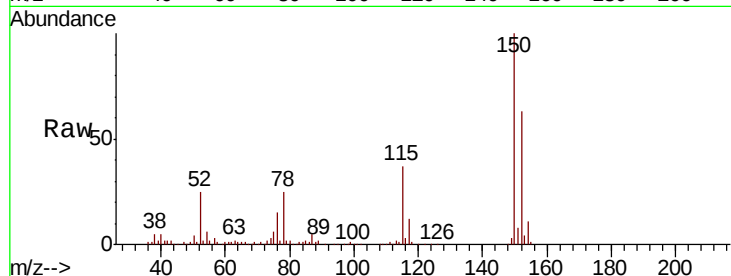
Tot Ion:152 Resp: 128719

Ion Ratio Lower Upper

152 100

150 158.7 126.6 189.8

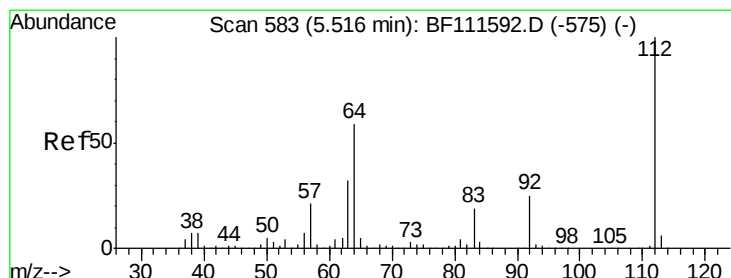
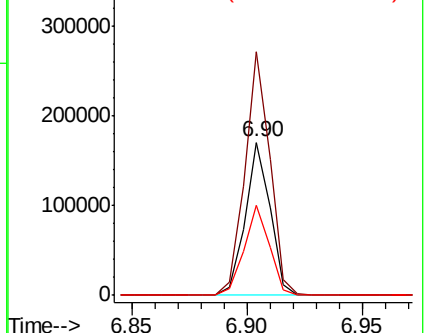
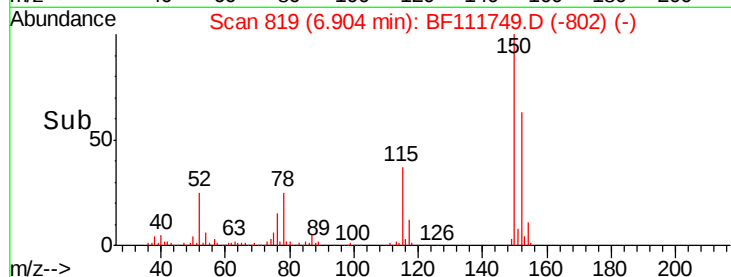
115 59.0 50.7 76.1



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: 33.116 ng

RT: 5.53 min Scan# 586

Delta R.T. -0.00 min

Lab File: BF111749.D

Acq: 27 Dec 2018 8:06

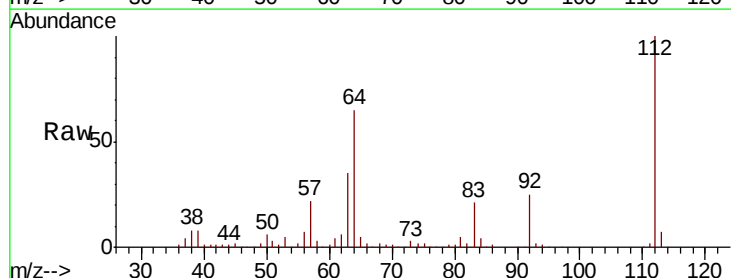
Tgt Ion:112 Resp: 250075

Ion Ratio Lower Upper

112 100

64 65.0 51.8 77.6

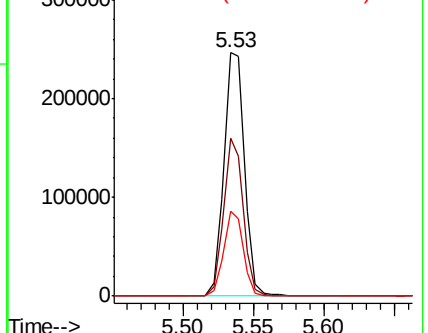
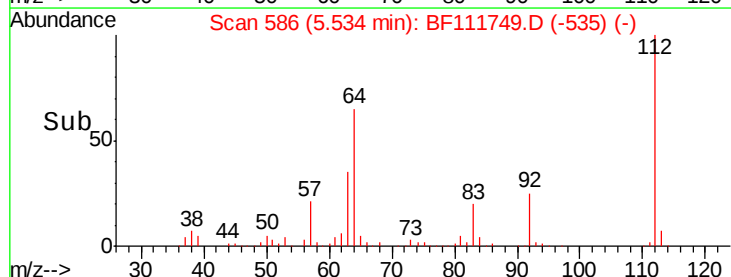
63 34.9 26.8 40.2

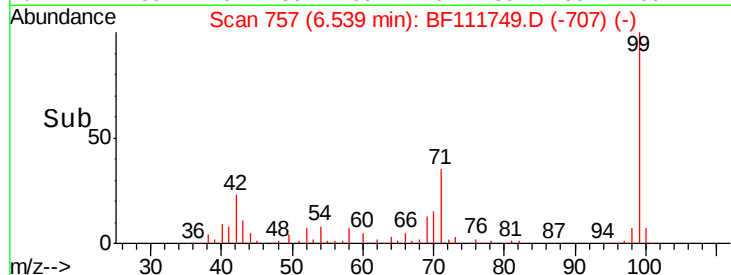
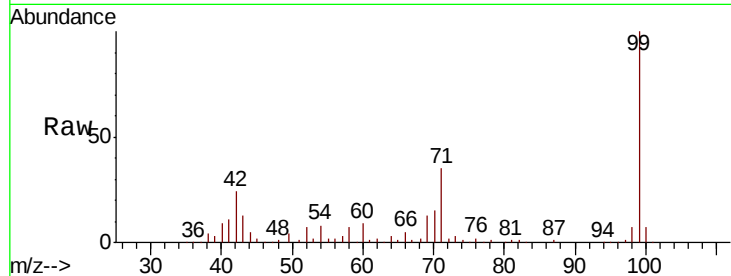
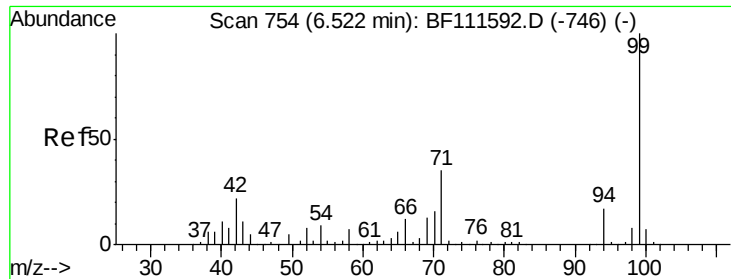


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

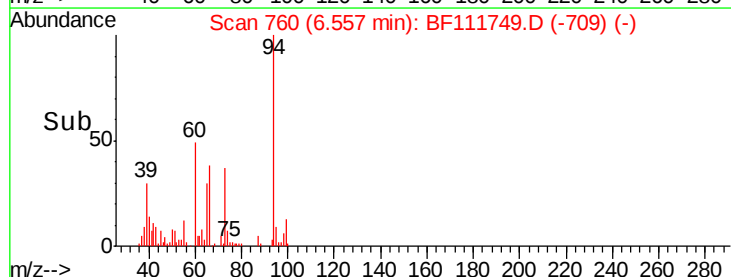
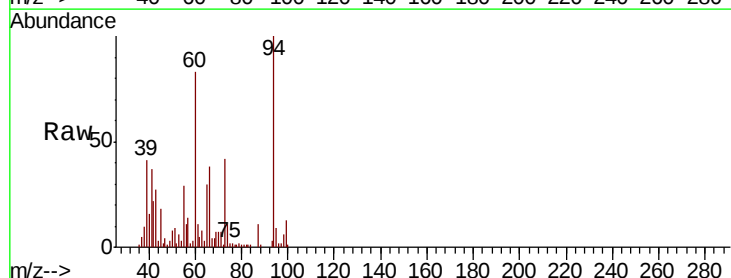
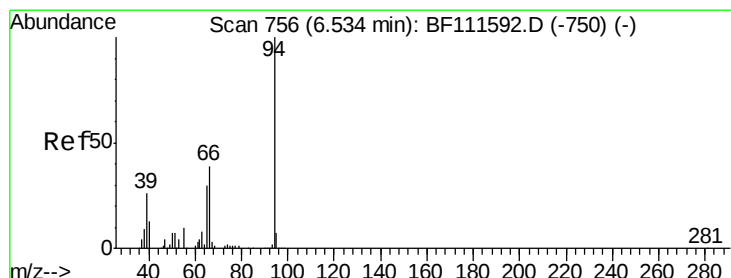
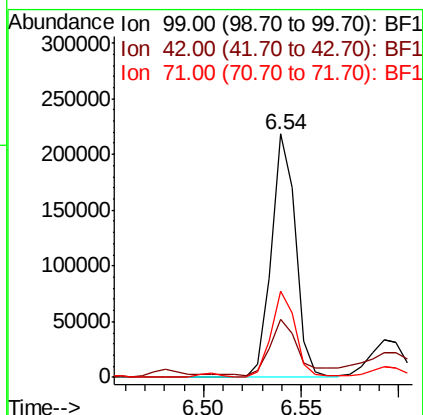
Ion 63.00 (62.70 to 63.70): BF1





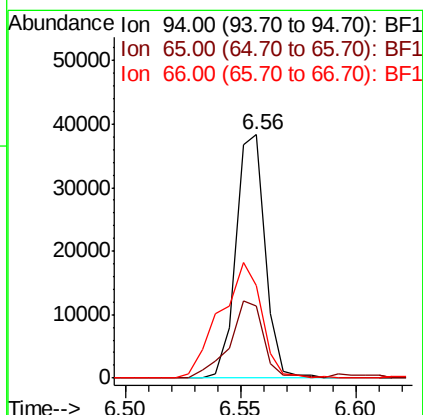
#7
Phenol-d6
Concen: 19.525 ng
RT: 6.54 min Scan# 757
Delta R.T. -0.01 min
Lab File: BF111749.D
Acq: 27 Dec 2018 8:06

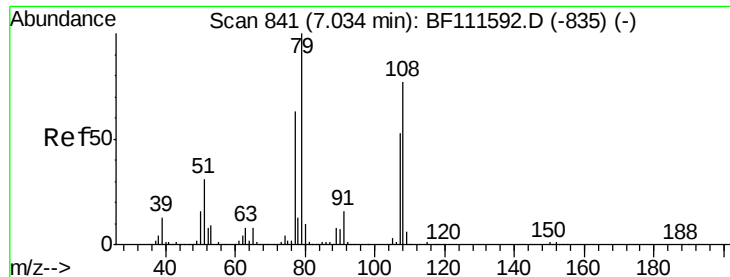
Tot Ion	Ratio	Lower	Upper
99	100		
42	23.9	17.4	26.0
71	35.2	26.1	39.1



#10
Phenol
Concen: 3.126 ng
RT: 6.56 min Scan# 760
Delta R.T. -0.00 min
Lab File: BF111749.D
Acq: 27 Dec 2018 8:06

Tgt Ion	Ratio	Lower	Upper
94	100		
65	29.5	11.7	51.7
66	37.8	21.0	61.0





#15

Benzyl Alcohol

Concen: 4.109 ng

RT: 7.04 min Scan# 842

Delta R.T. -0.01 min

Lab File: BF111749.D

Acq: 27 Dec 2018 8:06

Instrument :

BNA_F

ClientSampleId :

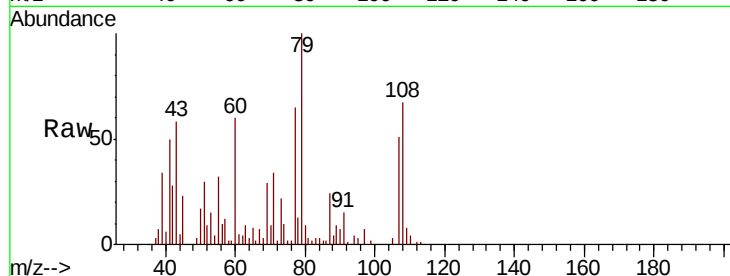
Tot Ion: 79 Resp: 31364

Ion Ratio Lower Upper

79 100

108 67.0 69.4 104.2#

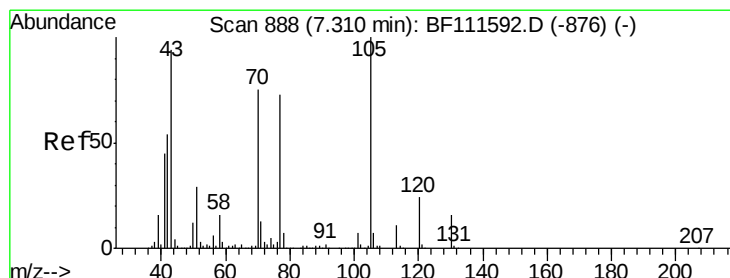
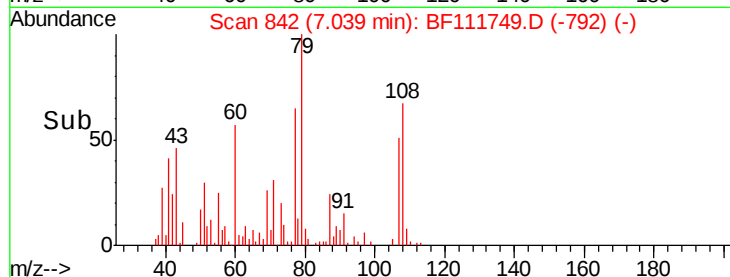
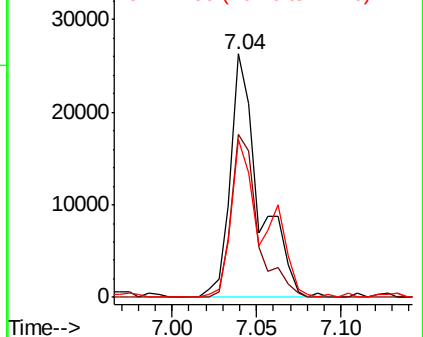
77 64.8 49.7 74.5



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: 2.818 ng

RT: 7.34 min Scan# 893

Delta R.T. 0.02 min

Lab File: BF111749.D

Acq: 27 Dec 2018 8:06

Tgt Ion: 70 Resp: 17988

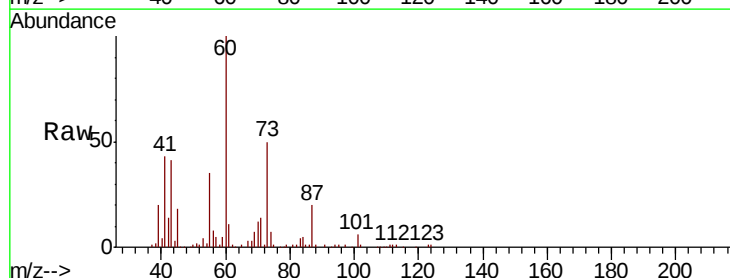
Ion Ratio Lower Upper

70 100

42 117.1 53.2 79.8#

101 51.1 8.2 12.4#

130 0.0 18.1 27.1#

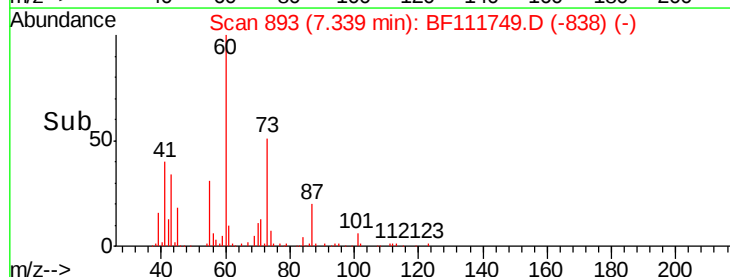
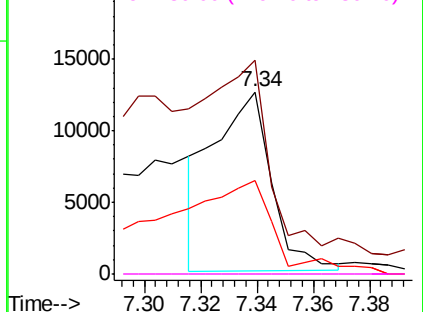


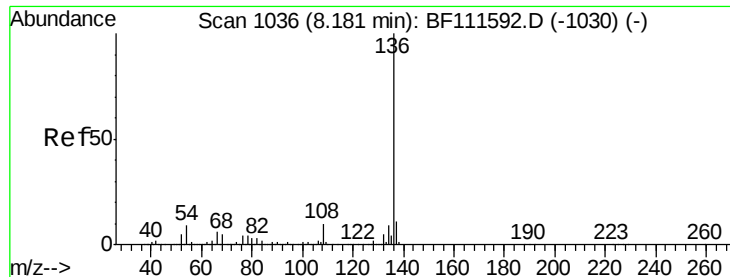
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

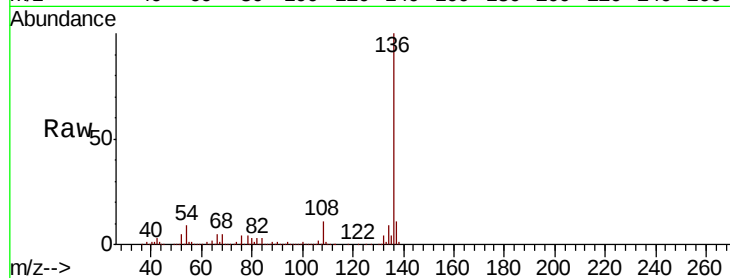




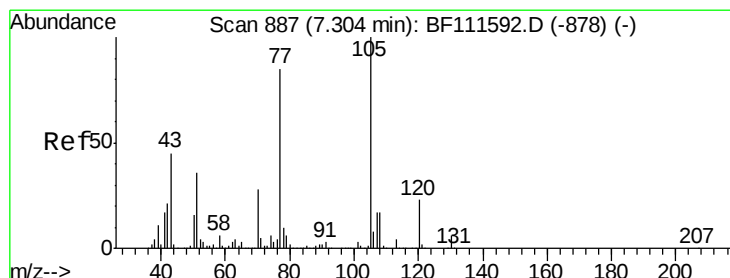
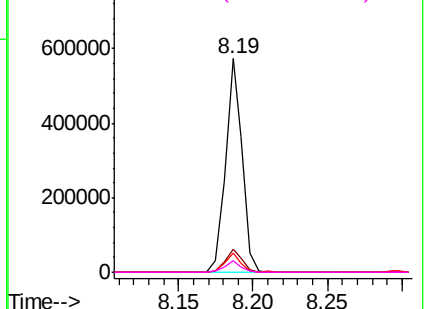
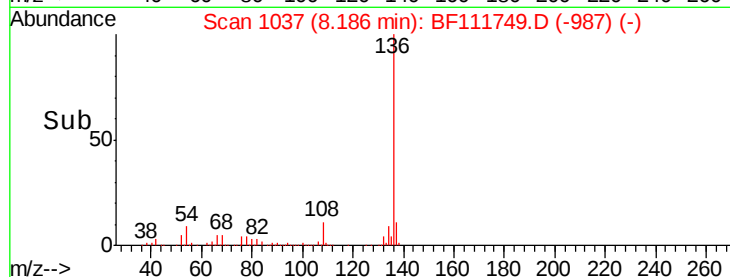
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF111749.D
Acq: 27 Dec 2018 8:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	450034
Ion Ratio	Lower	Upper
136	100	
137	10.9	9.1 13.7
54	9.1	7.7 11.5
68	5.3	4.9 7.3

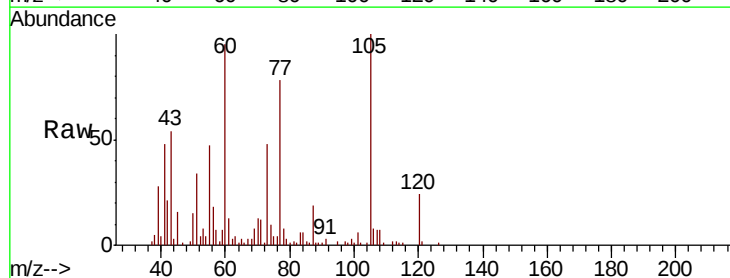


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

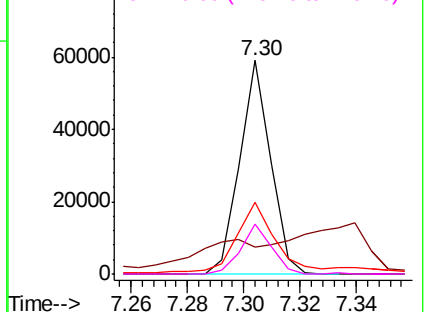
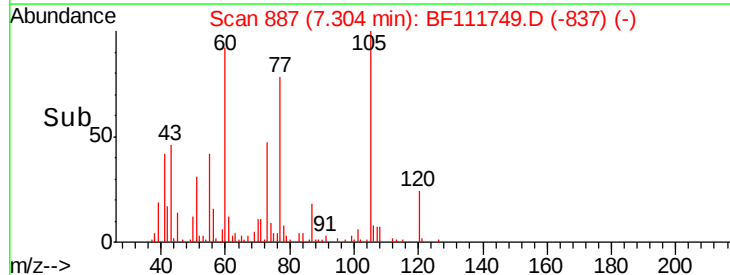


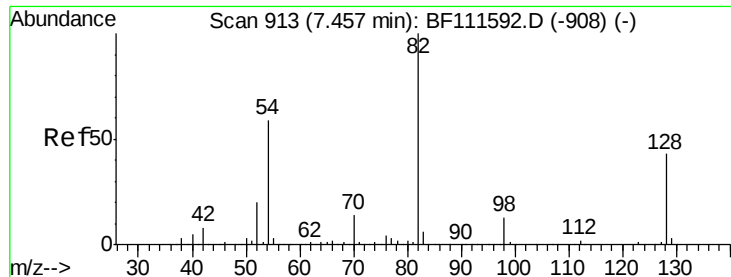
#22
Acetophenone
Concen: 3.926 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.01 min
Lab File: BF111749.D
Acq: 27 Dec 2018 8:06

Tgt Ion:105	Resp:	44759
Ion Ratio	Lower	Upper
105	100	
71	12.3	3.1 4.7#
51	33.6	36.6 54.8#
120	23.5	18.2 27.4



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF1
Ion 51.00 (50.70 to 51.70): BF1
Ion 120.00 (119.70 to 120.70): E

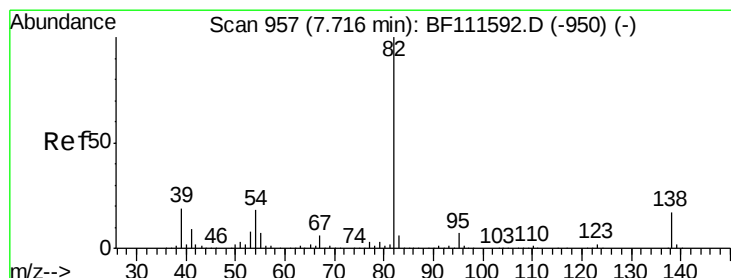
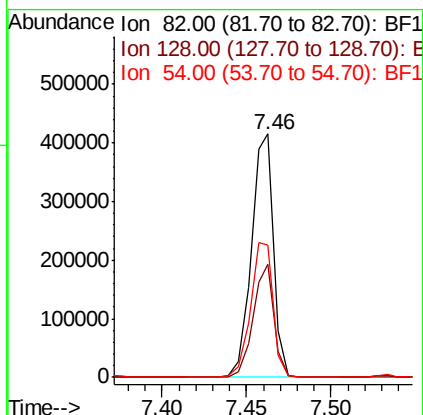
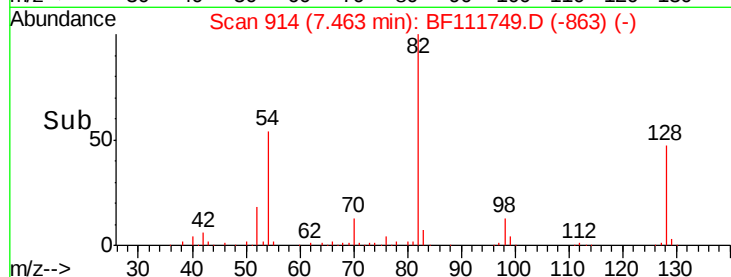
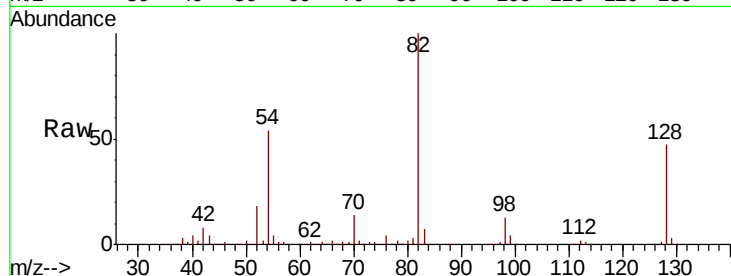




#23
Nitrobenzene-d5
Concen: 49.185 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.00 min
Lab File: BF111749.D
Acq: 27 Dec 2018 8:06

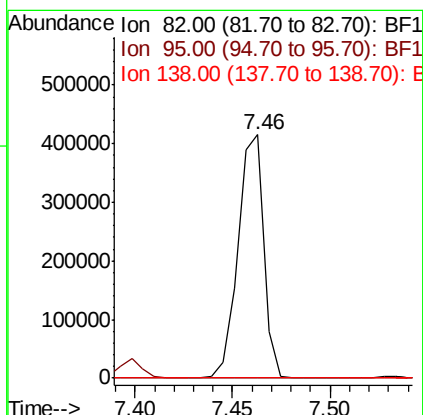
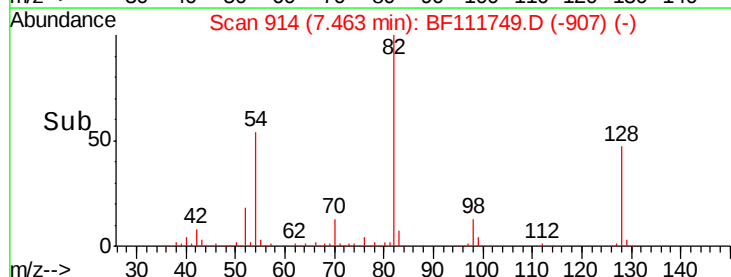
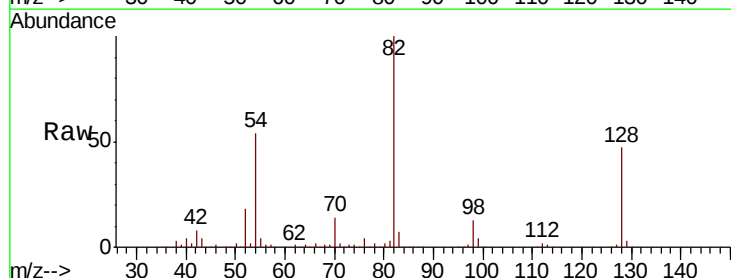
Instrument :
BNA_F
ClientSampled :

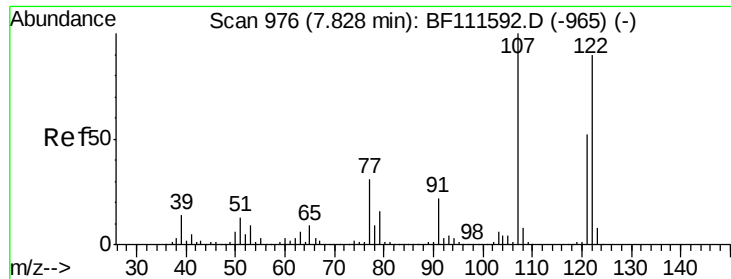
Tot Ion: 82 Resp: 380275
Ion Ratio Lower Upper
82 100
128 46.5 37.4 56.2
54 54.5 47.6 71.4



#25
Isophorone
Concen: 27.539 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.26 min
Lab File: BF111749.D
Acq: 27 Dec 2018 8:06

Tgt Ion: 82 Resp: 377988
Ion Ratio Lower Upper
82 100
95 0.2 5.4 8.2#
138 0.0 15.1 22.7#

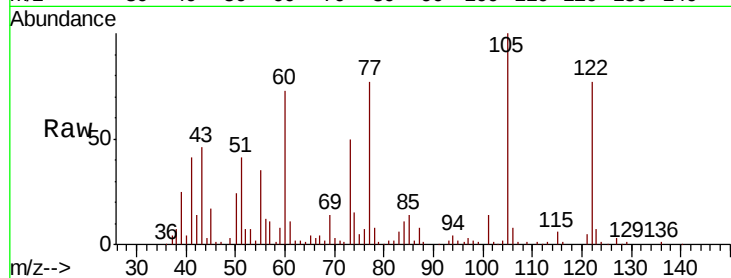




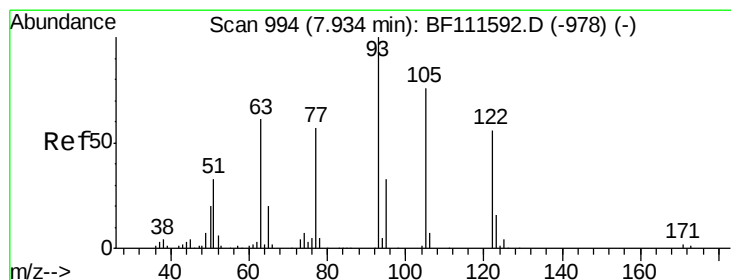
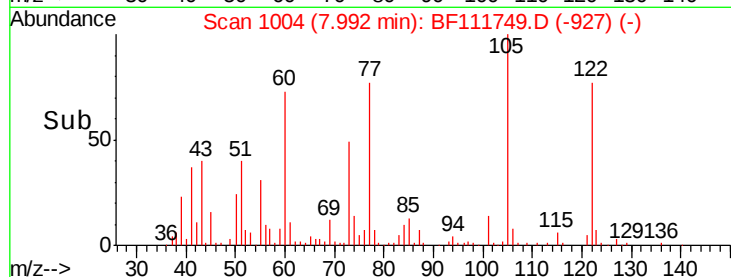
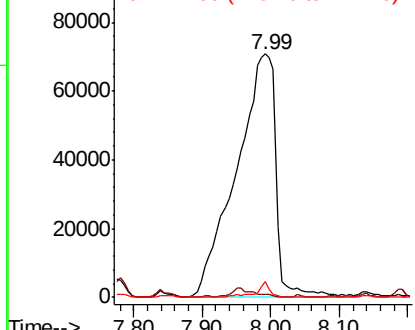
#27
2,4-Dimethylphenol
Concen: 43.799 ng
RT: 7.99 min Scan# 1004
Delta R.T. 0.15 min
Lab File: BF111749.D
Acq: 27 Dec 2018 8:06

Instrument :
BNA_F
ClientSampled :

Tot Ion:122 Resp: 283748
Ion Ratio Lower Upper
122 100
107 1.1 85.5 128.3#
121 6.4 46.6 70.0#

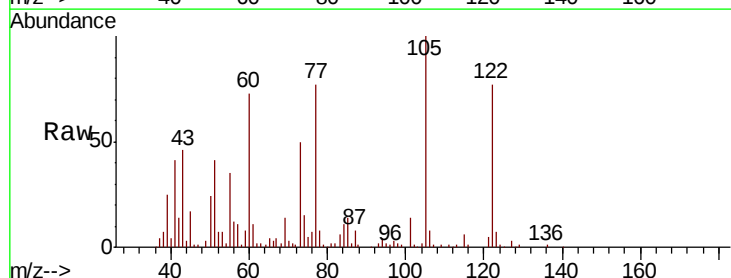


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

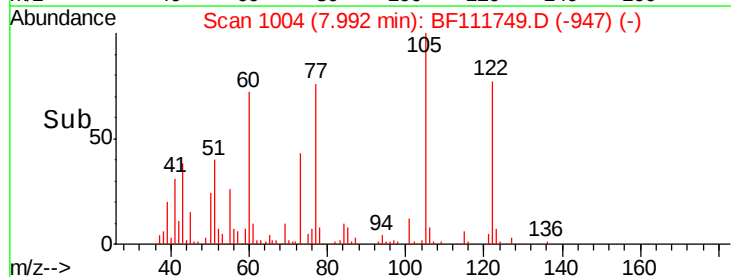
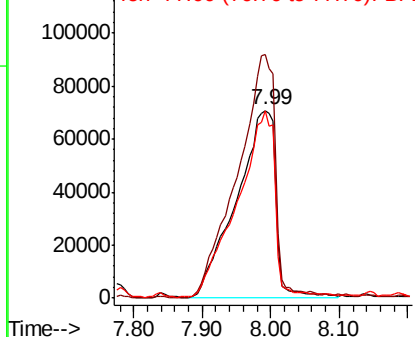


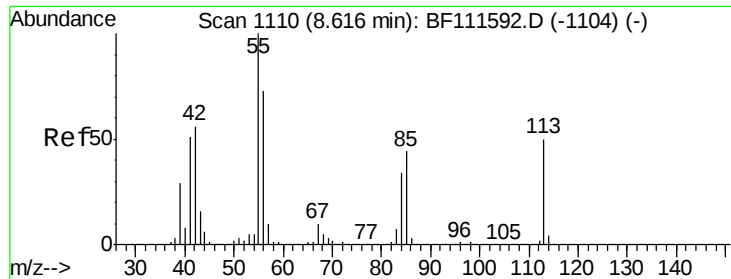
#32
Benzoic acid
Concen: 66.243 ng
RT: 7.99 min Scan# 1004
Delta R.T. 0.04 min
Lab File: BF111749.D
Acq: 27 Dec 2018 8:06

Tgt Ion:122 Resp: 283748
Ion Ratio Lower Upper
122 100
105 129.7 97.0 137.0
77 99.5 65.7 105.7



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

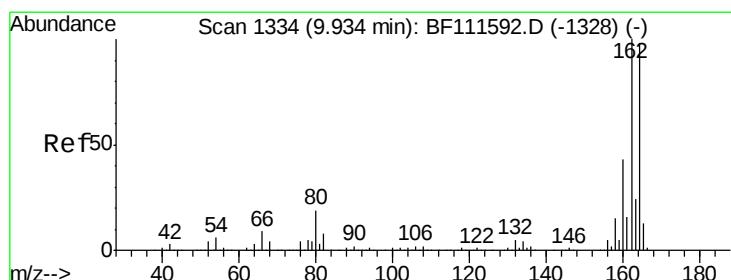
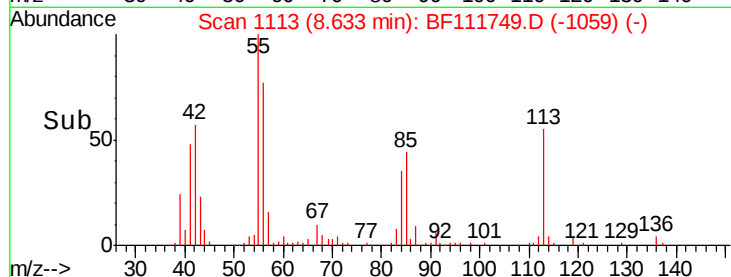
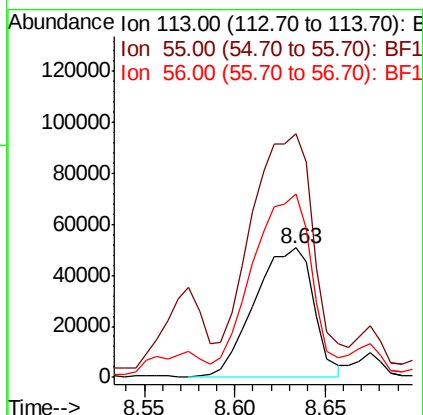
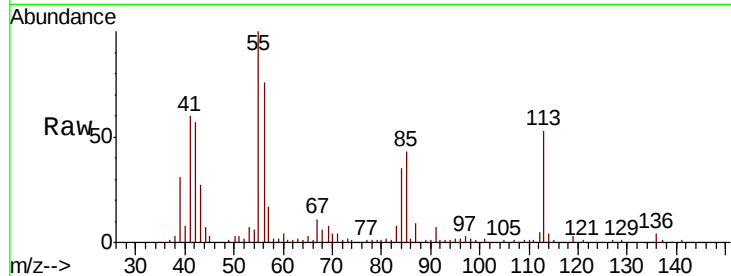




#35
 Caprolactam
 Concen: 48.422 ng
 RT: 8.63 min Scan# 1113
 Delta R.T. 0.02 min
 Lab File: BF111749.D
 Acq: 27 Dec 2018 8:06

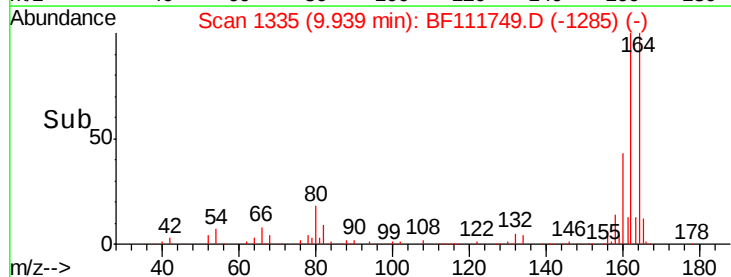
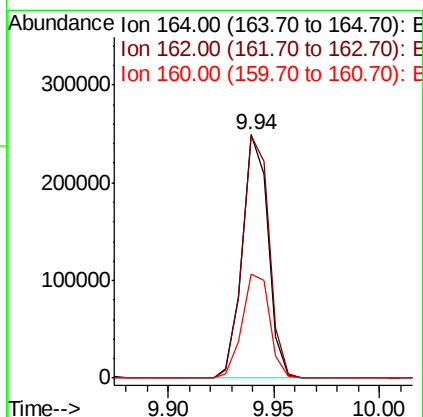
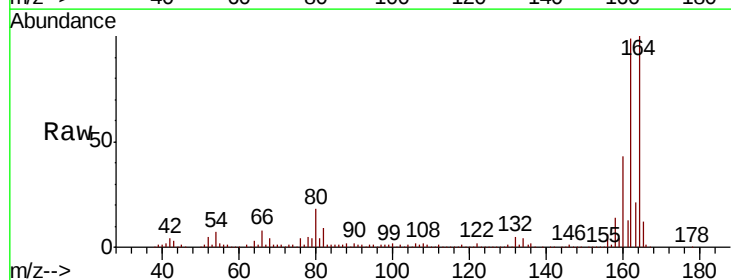
Instrument :
 BNA_F
 ClientSampled :

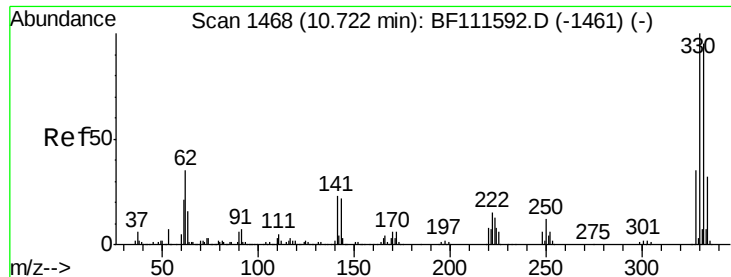
Tot Ion:113 Resp: 114334
 Ion Ratio Lower Upper
 113 100
 55 188.3 184.1 224.1
 56 142.3 126.0 166.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.01 min
 Lab File: BF111749.D
 Acq: 27 Dec 2018 8:06

Tgt Ion:164 Resp: 210889
 Ion Ratio Lower Upper
 164 100
 162 99.3 81.4 122.0
 160 42.5 35.7 53.5

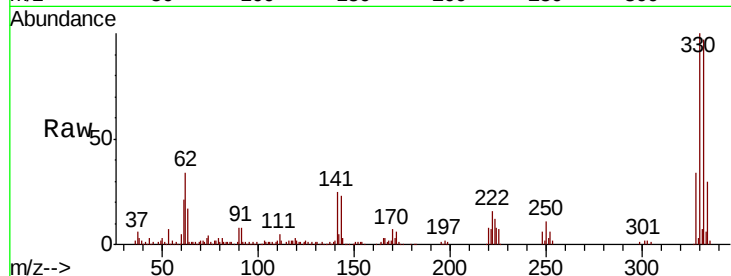




#42
 2,4,6-Tribromophenol
 Concen: 68.388 ng
 RT: 10.73 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: BF111749.D
 Acq: 27 Dec 2018 8:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.0	114.0
141	31.0	31.0	46.6#

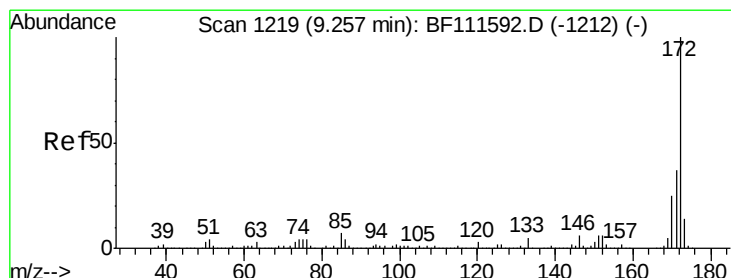
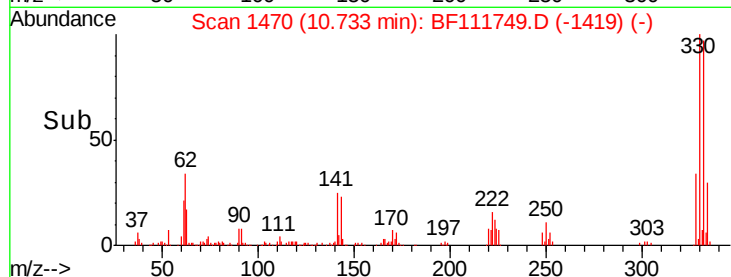
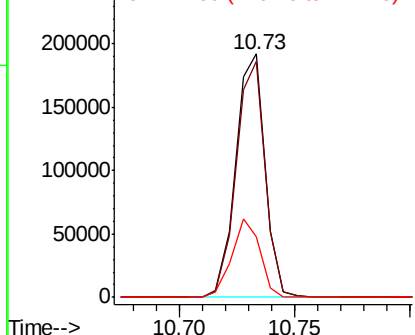


Abundance

Ion 329.80 (329.50 to 330.50): E

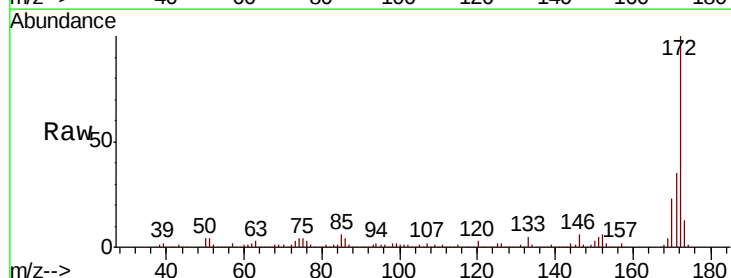
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 49.575 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: BF111749.D
 Acq: 27 Dec 2018 8:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	33.0	49.4
170	23.3	22.3	33.5

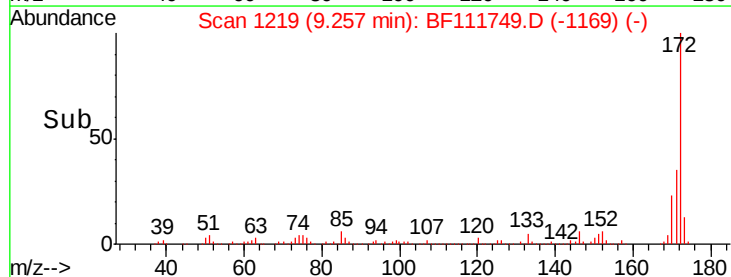
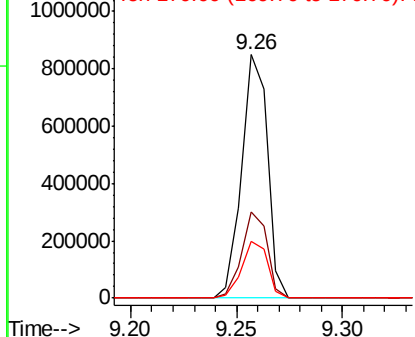


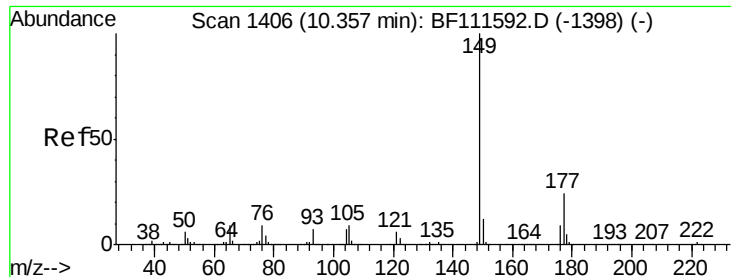
Abundance

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

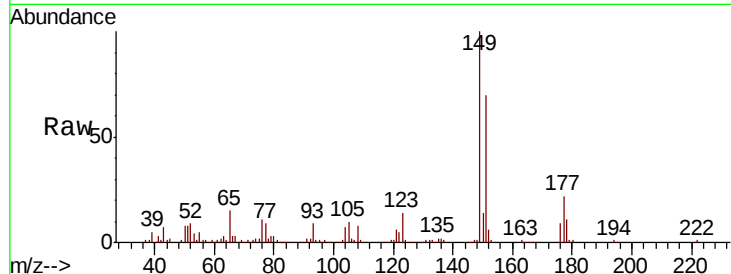




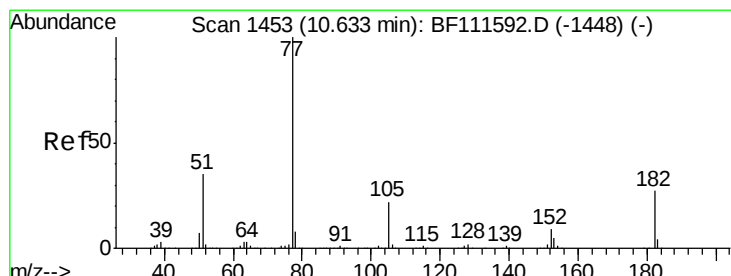
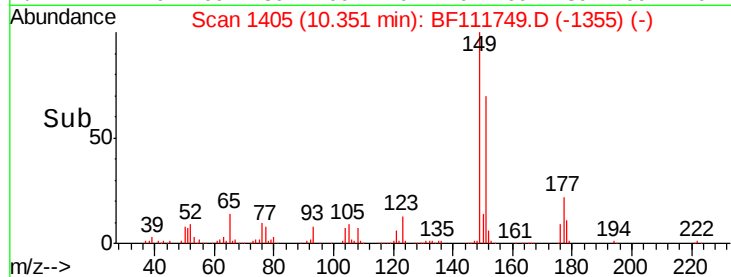
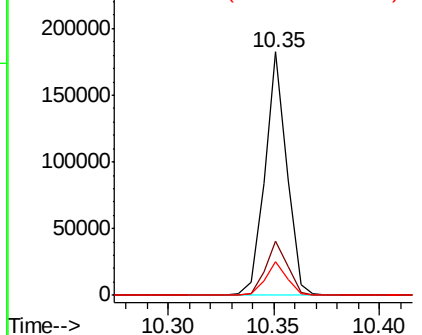
#60
Diethylphthalate
Concen: 8.644 ng
RT: 10.35 min Scan# 1405
Delta R.T. -0.01 min
Lab File: BF111749.D
Acq: 27 Dec 2018 8:06

Instrument :
BNA_F
ClientSampled :

Tot Ion:	149	Resp:	130766
Ion	Ratio	Lower	Upper
149	100		
177	22.1	18.3	27.5
150	13.8	10.6	15.8

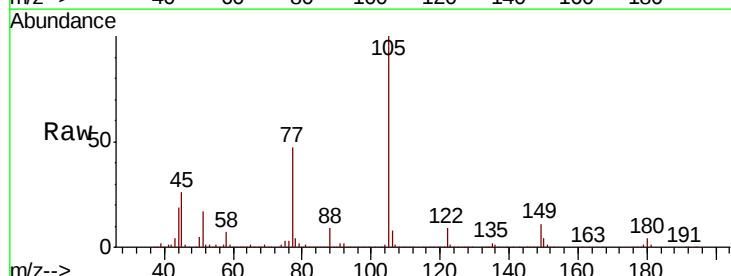


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

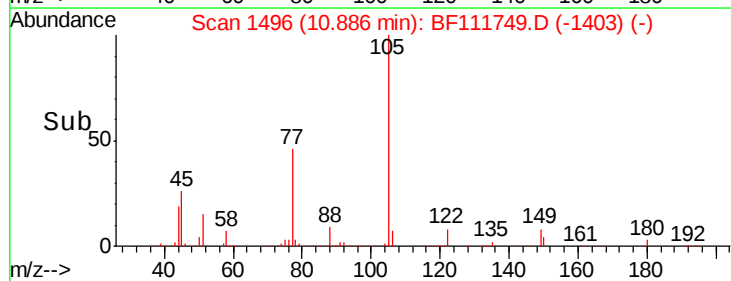
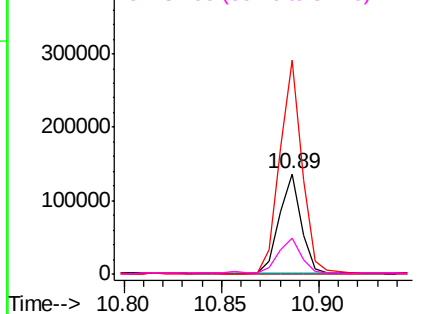


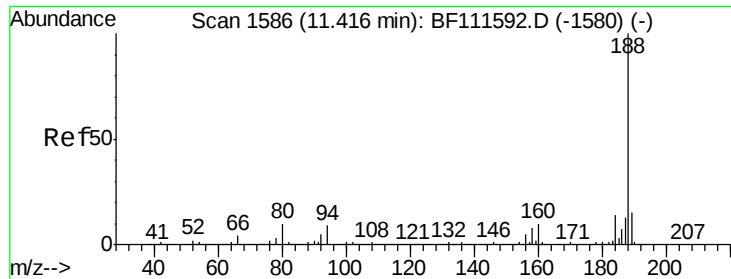
#63
Azobenzene
Concen: 6.985 ng
RT: 10.89 min Scan# 1496
Delta R.T. 0.25 min
Lab File: BF111749.D
Acq: 27 Dec 2018 8:06

Tgt Ion:	77	Resp:	106076
Ion	Ratio	Lower	Upper
77	100		
182	0.0	4.9	44.9#
105	213.2	6.0	46.0#
51	35.6	14.7	54.7



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

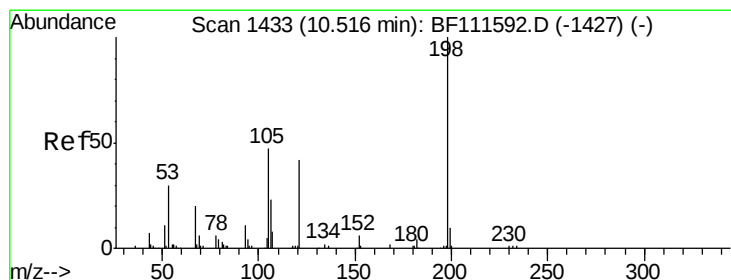
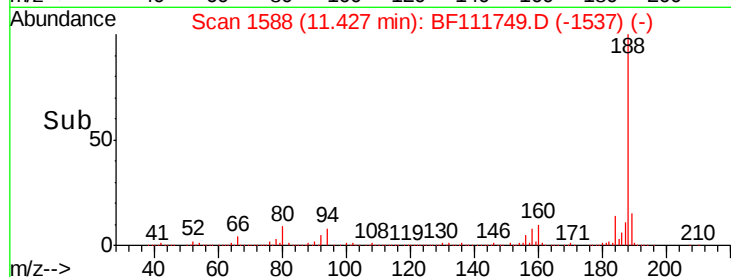
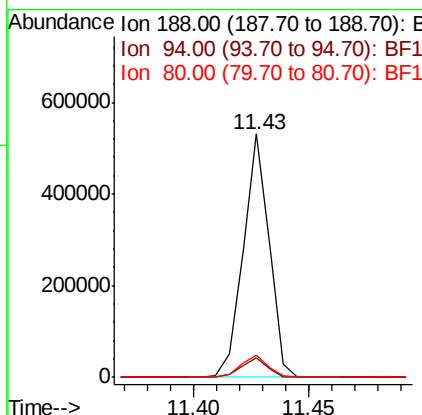
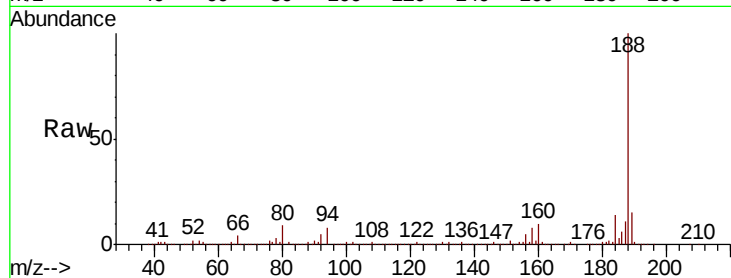




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: BF111749.D
 Acq: 27 Dec 2018 8:06

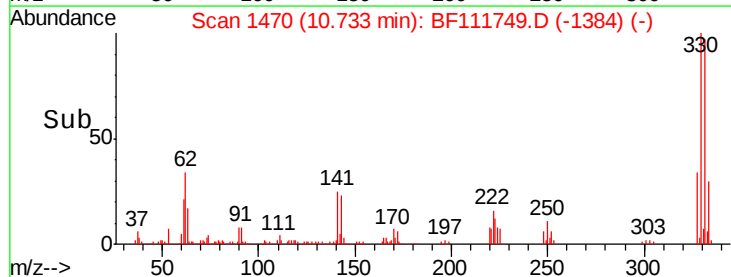
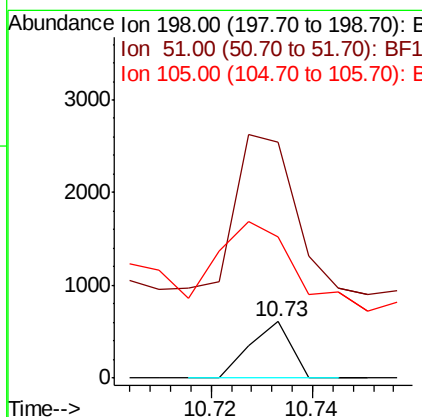
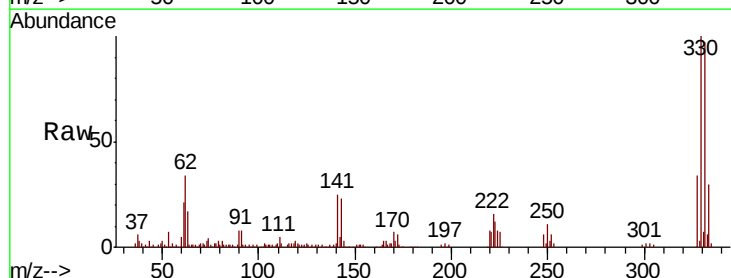
Instrument :
 BNA_F
 ClientSampleId :

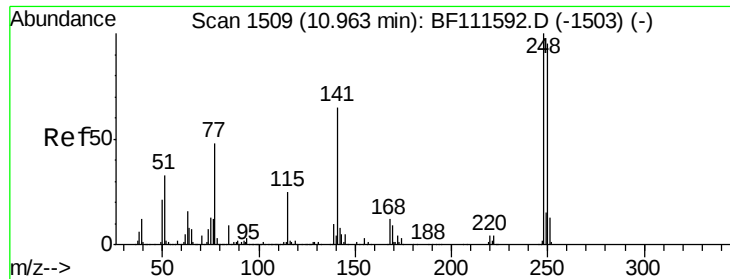
Tot Ion:188 Resp: 414687
 Ion Ratio Lower Upper
 188 100
 94 8.2 9.6 14.4#
 80 9.1 9.8 14.6#



#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.862 ng
 RT: 10.73 min Scan# 1470
 Delta R.T. 0.21 min
 Lab File: BF111749.D
 Acq: 27 Dec 2018 8:06

Tgt Ion:198 Resp: 337
 Ion Ratio Lower Upper
 198 100
 51 420.0 48.0 88.0#
 105 251.7 34.0 74.0#

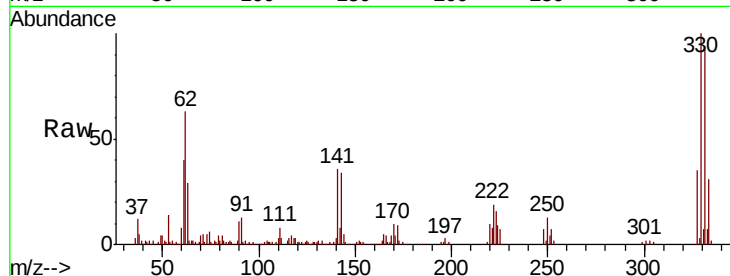




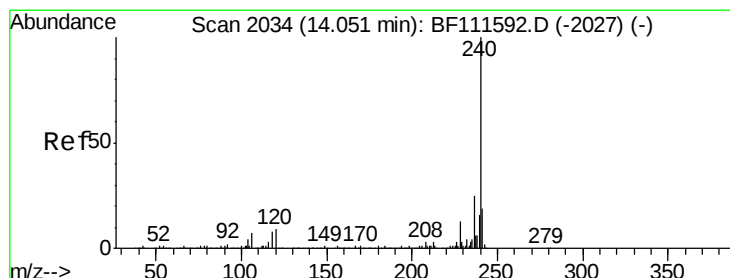
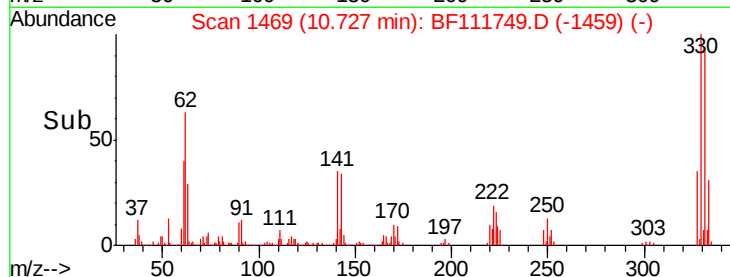
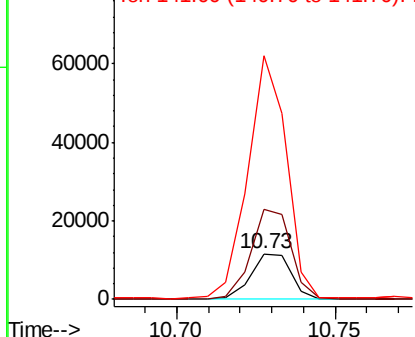
#67
4-Bromophenyl-phenylether
Concen: 2.010 ng
RT: 10.73 min Scan# 1469
Delta R.T. -0.24 min
Lab File: BF111749.D
Acq: 27 Dec 2018 8:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 10336
Ion Ratio Lower Upper
248 100
250 197.9 77.0 115.4#
141 535.3 63.0 94.6#

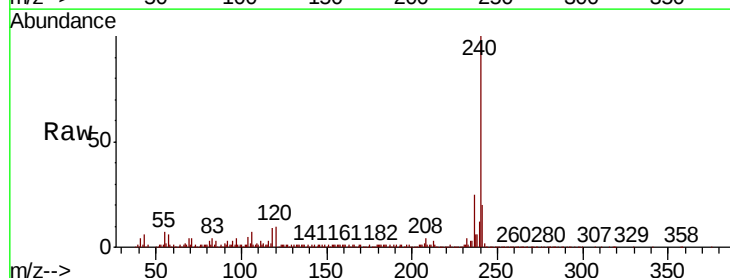


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

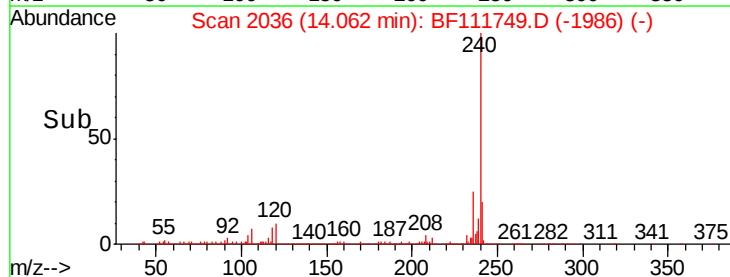
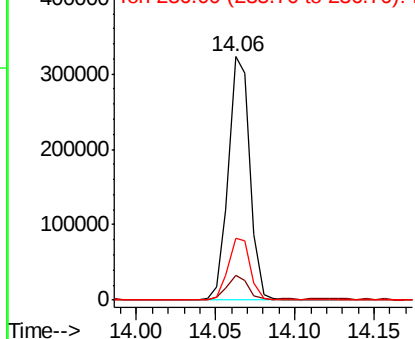


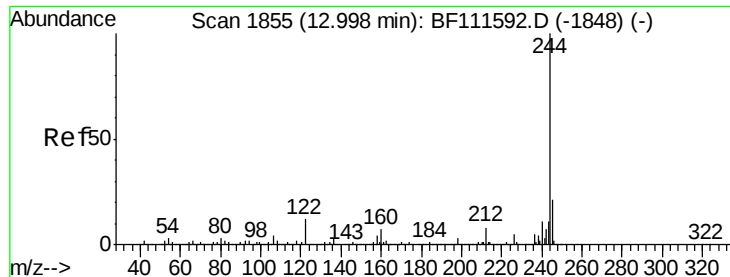
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF111749.D
Acq: 27 Dec 2018 8:06

Tgt Ion:240 Resp: 302348
Ion Ratio Lower Upper
240 100
120 10.3 12.2 18.2#
236 25.3 20.2 30.2



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: 47.706 ng

RT: 13.01 min Scan# 1857

Delta R.T. -0.00 min

Lab File: BF111749.D

Acq: 27 Dec 2018 8:06

Instrument :

BNA_F

ClientSampleId :

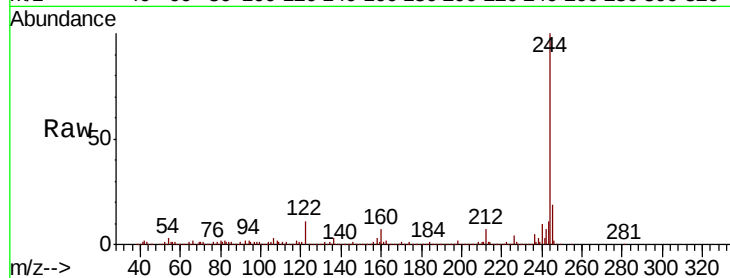
Tot Ion:244 Resp: 760578

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

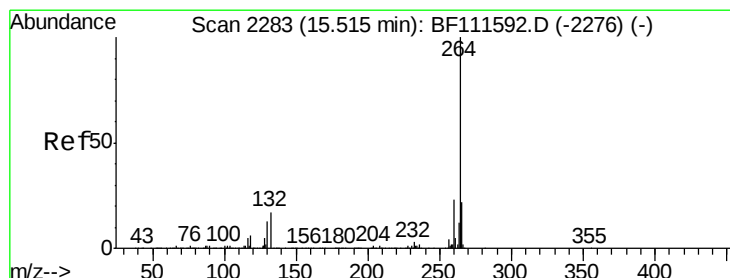
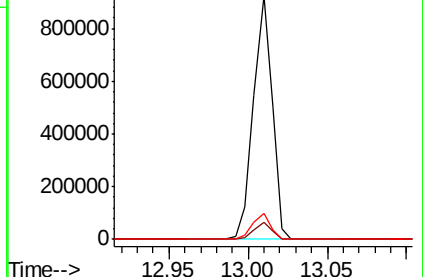
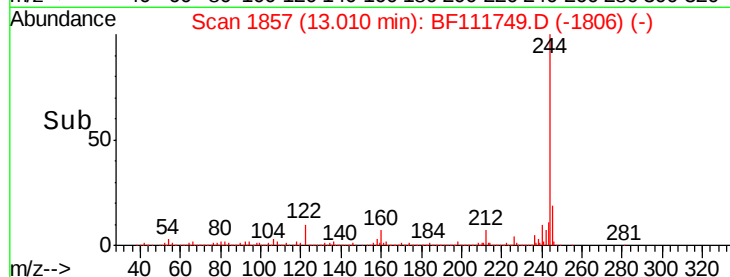
122 10.5 13.1 19.7#



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: 15.55 min Scan# 2289

Delta R.T. -0.00 min

Lab File: BF111749.D

Acq: 27 Dec 2018 8:06

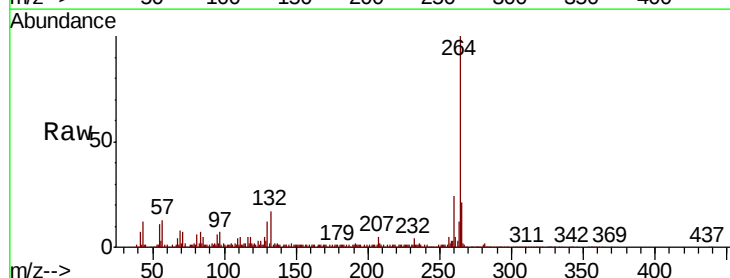
Tgt Ion:264 Resp: 237039

Ion Ratio Lower Upper

264 100

260 23.7 18.3 27.5

265 21.1 17.7 26.5



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

