

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
 Data File : BF113142.D
 Acq On : 19 Mar 2019 23:03
 Operator : JU/SJ
 Sample : K1971-04 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-9(7-8)-031519

Quant Time: Mar 20 01:50:10 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

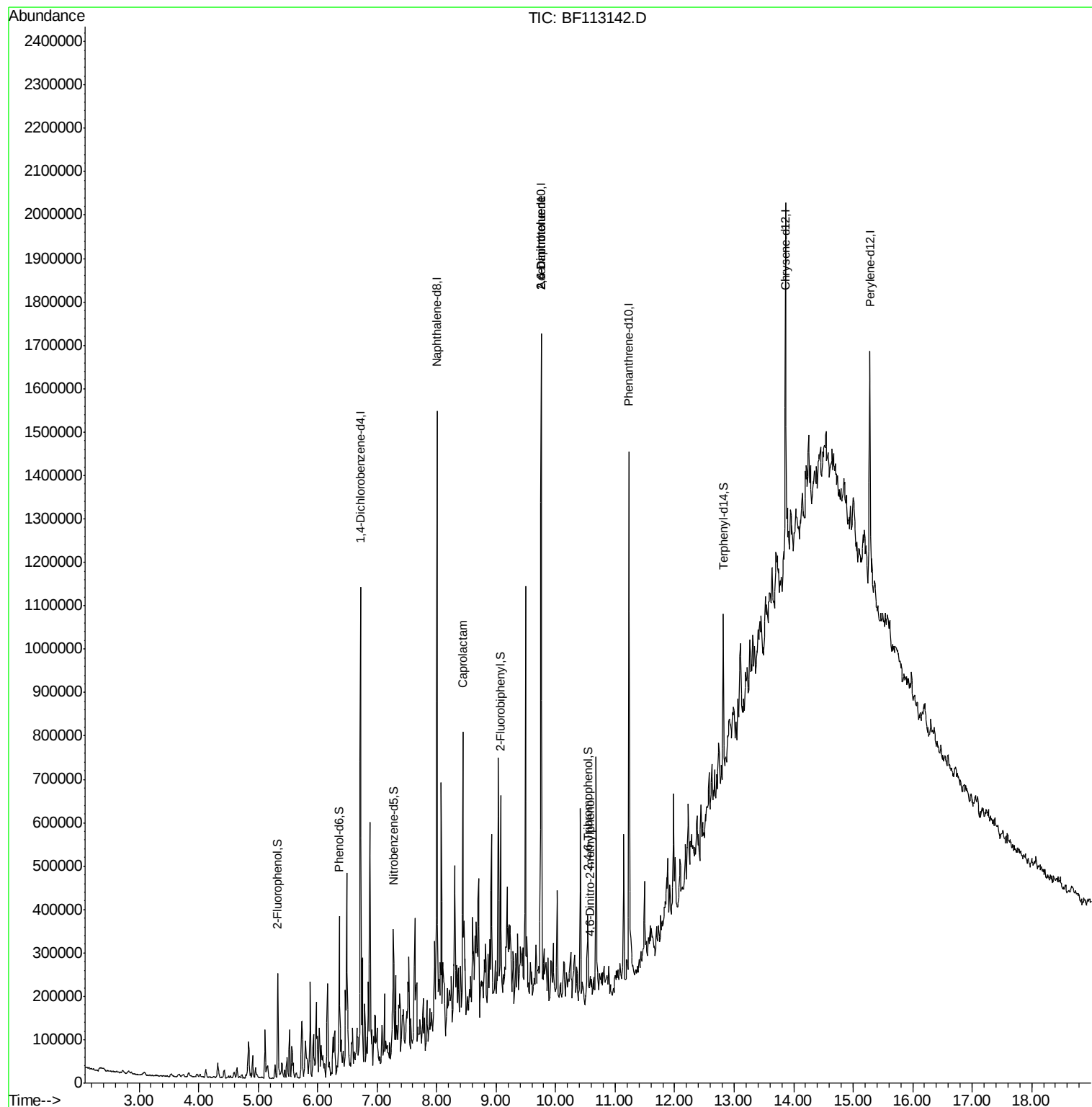
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	151392	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	573671	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	282698	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	471431	20.00	ng	-0.01
76) Chrysene-d12	13.87	240	339456	20.00	ng	0.00
87) Perylene-d12	15.28	264	269973	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	78840	8.10	ng	-0.01
7) Phenol-d6	6.36	99	124565	10.19	ng	-0.01
23) Nitrobenzene-d5	7.28	82	63698	6.64	ng	-0.02
42) 2,4,6-Tribromophenol	10.54	330	27543	9.18	ng	-0.01
45) 2-Fluorobiphenyl	9.08	172	150792	5.78	ng	-0.01
79) Terphenyl-d14	12.82	244	118847	6.79	ng	0.00
Target Compounds						
35) Caprolactam	8.44	113	13159	4.662	ng	# 44
51) 2,6-Dinitrotoluene	9.76	165	36845	8.488	ng	# 19
57) 2,4-Dinitrotoluene	9.76	165	36845	6.829	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.57	198	878	5.022	ng	# 21

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.72 min Scan# 788

Delta R.T. -0.01 min

Lab File: BF113142.D

Acq: 19 Mar 2019 23:03

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BNA_F

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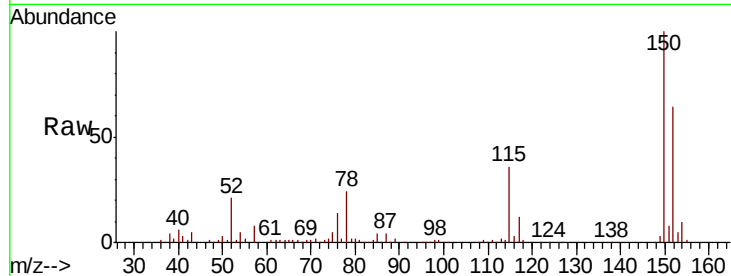
Tgt Ion:152 Resp: 151392

Ion Ratio Lower Upper

152 100

150 155.8 124.2 186.2

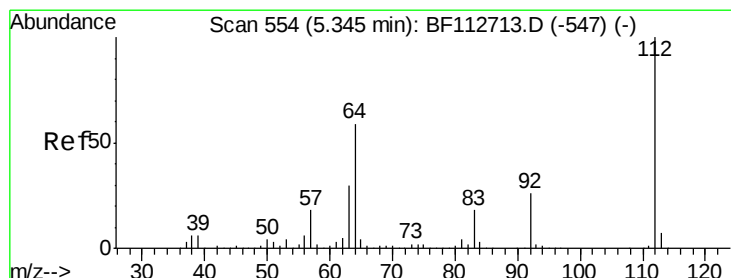
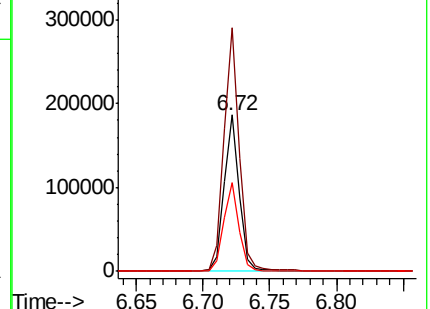
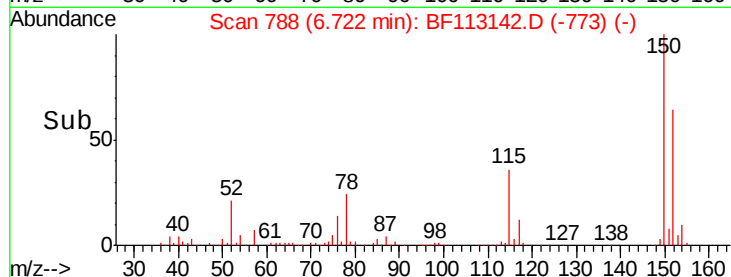
115 56.5 48.2 72.4



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: 8.101 ng

RT: 5.33 min Scan# 552

Delta R.T. -0.01 min

Lab File: BF113142.D

Acq: 19 Mar 2019 23:03

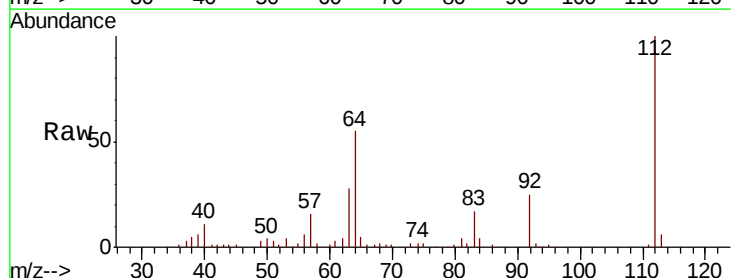
Tgt Ion:112 Resp: 78840

Ion Ratio Lower Upper

112 100

64 55.4 47.6 71.4

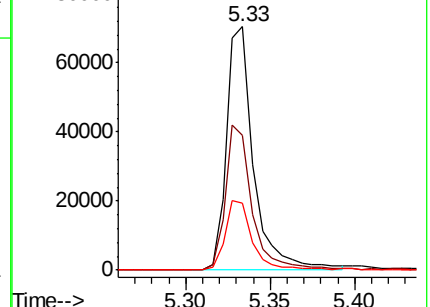
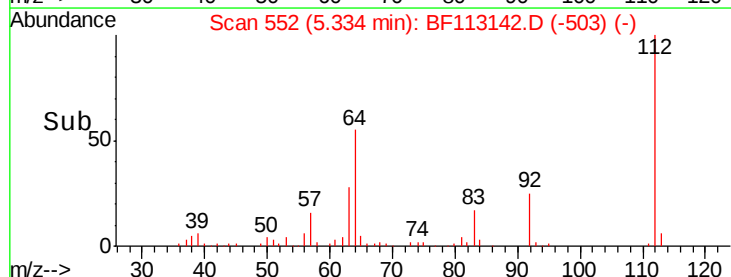
63 27.7 24.4 36.6

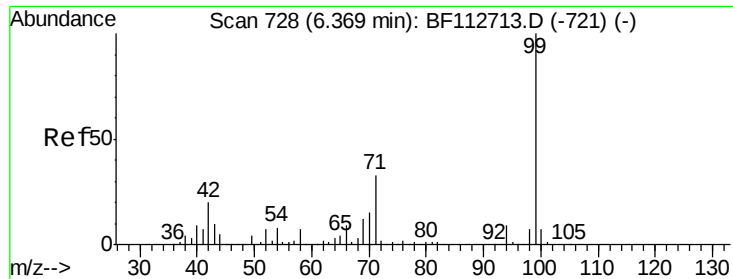


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 10.189 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113142.D

Acq: 19 Mar 2019 23:03

Instrument :

BNA_F

ClientSampleId :

SB-9(7-8)-031519

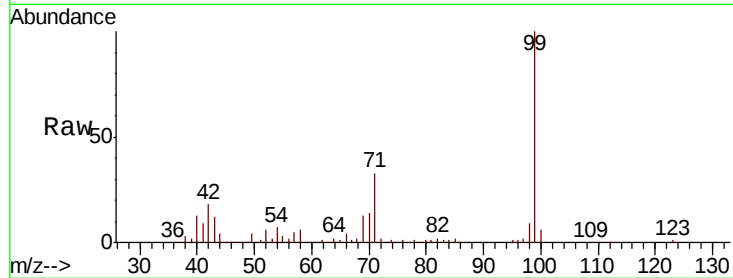
Tgt Ion: 99 Resp: 124565

Ion Ratio Lower Upper

99 100

42 18.0 16.3 24.5

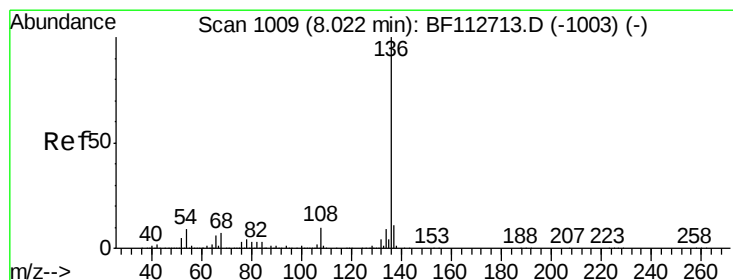
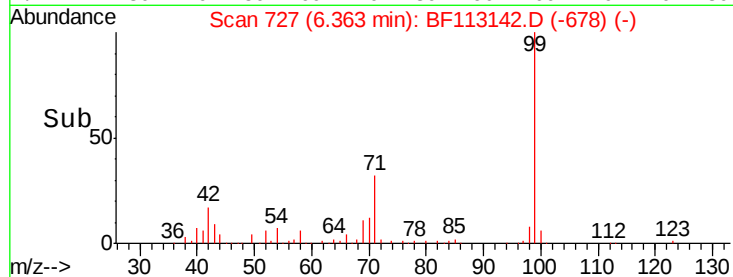
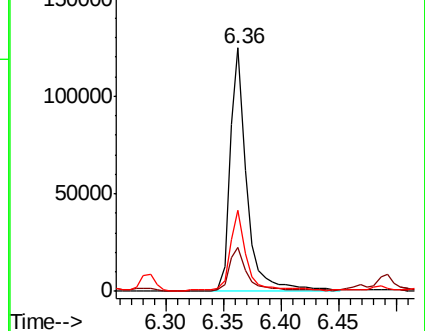
71 33.1 26.2 39.4



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: 8.00 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF113142.D

Acq: 19 Mar 2019 23:03

Tgt Ion: 136 Resp: 573671

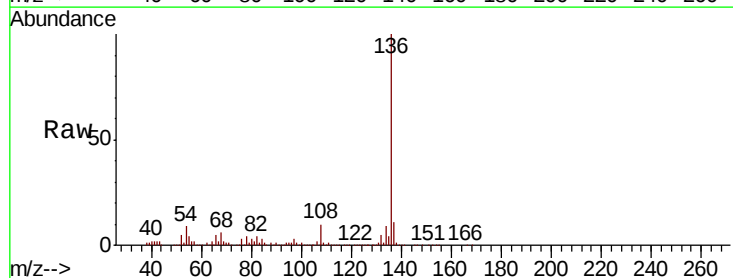
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 8.7 7.3 10.9

68 6.4 5.4 8.2

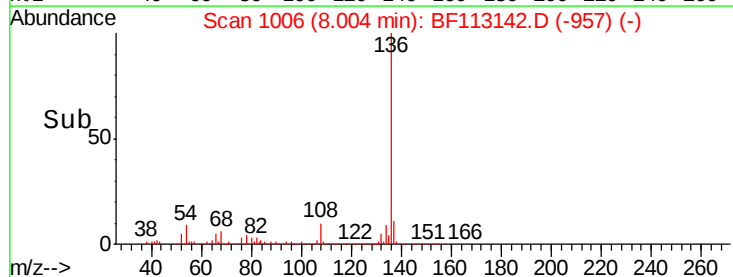
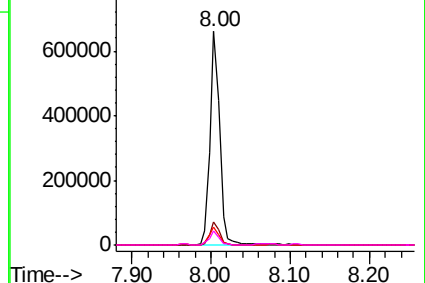


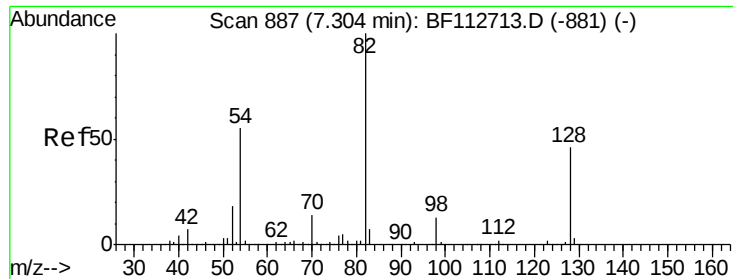
Abundance Ion 136.00 (135.70 to 136.70): E

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

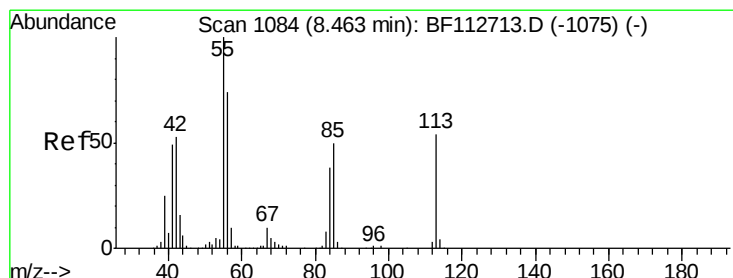
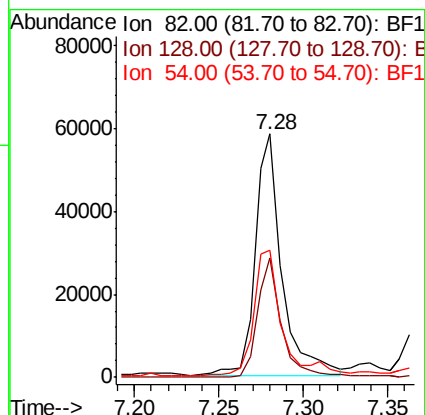
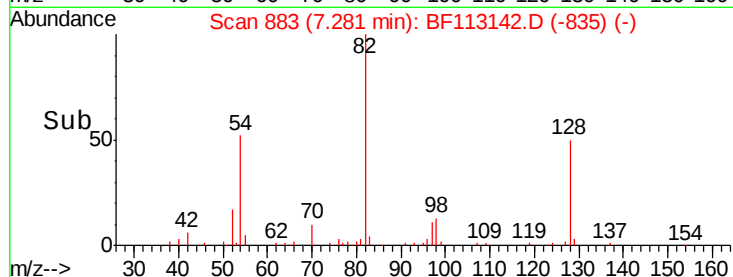
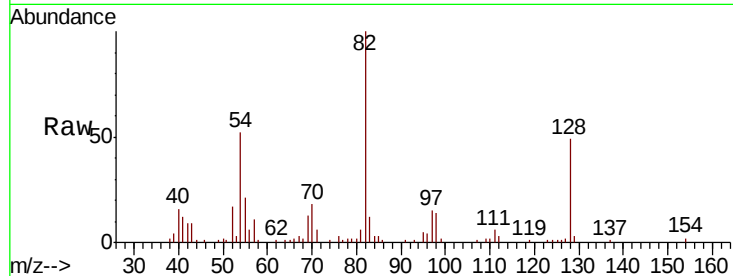




#23
 Nitrobenzene-d5
 Concen: 6.644 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.02 min
 Lab File: BF113142.D
 Acq: 19 Mar 2019 23:03

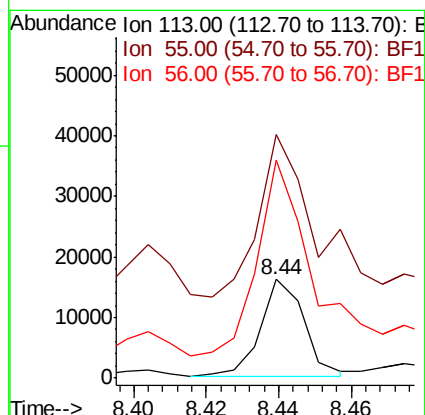
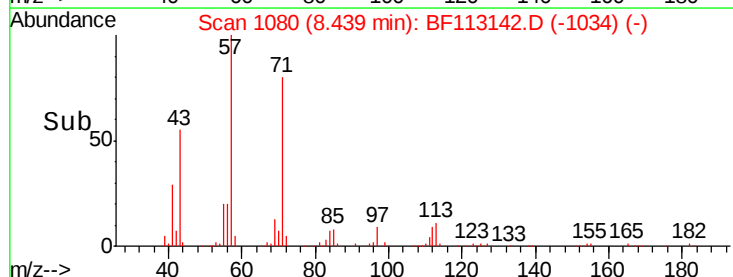
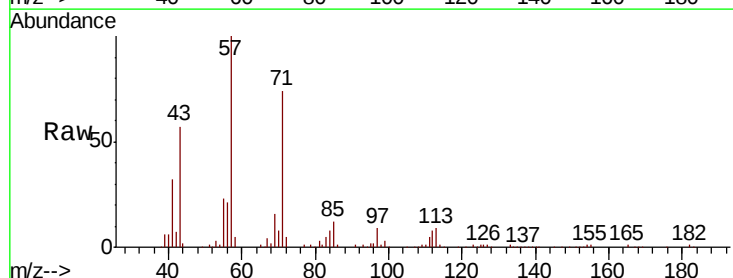
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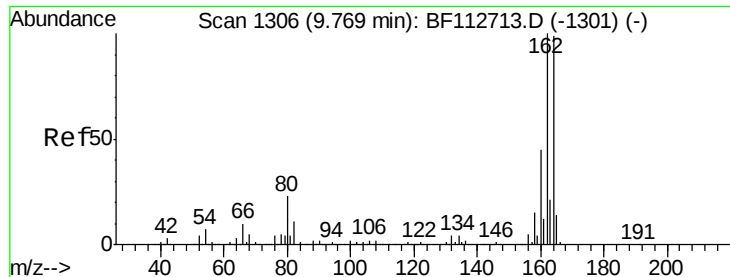
Tgt Ion: 82 Resp: 63698
 Ion Ratio Lower Upper
 82 100
 128 49.0 36.3 54.5
 54 52.4 43.7 65.5



#35
 Caprolactam
 Concen: 4.662 ng
 RT: 8.44 min Scan# 1080
 Delta R.T. -0.03 min
 Lab File: BF113142.D
 Acq: 19 Mar 2019 23:03

Tgt Ion: 113 Resp: 13159
 Ion Ratio Lower Upper
 113 100
 55 246.8 163.5 203.5#
 56 221.2 115.3 155.3#

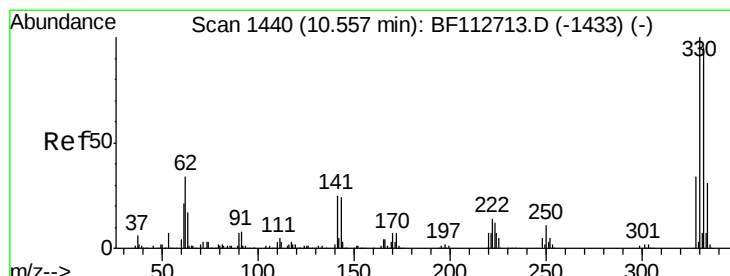
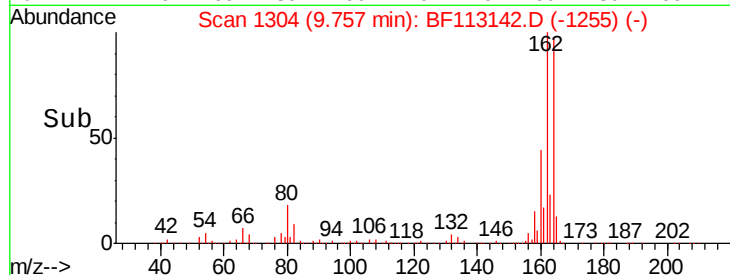
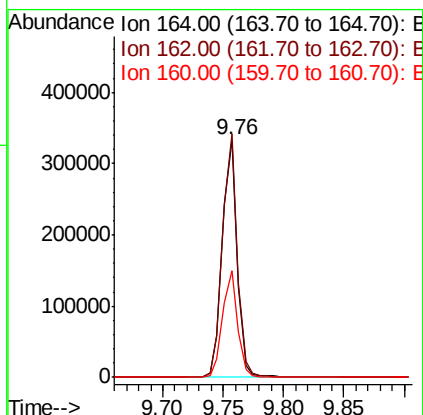
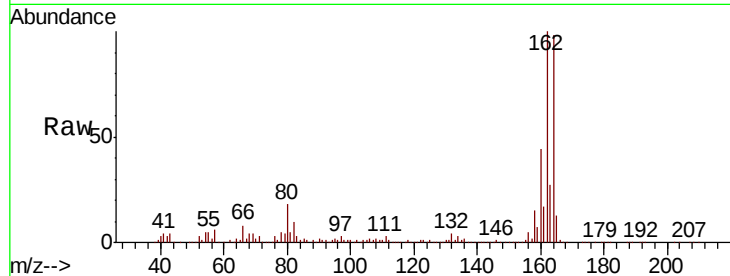




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF113142.D
 Acq: 19 Mar 2019 23:03

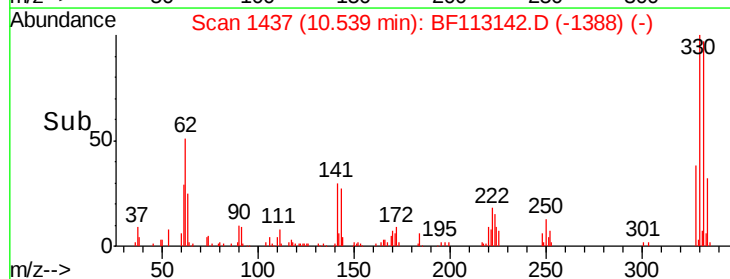
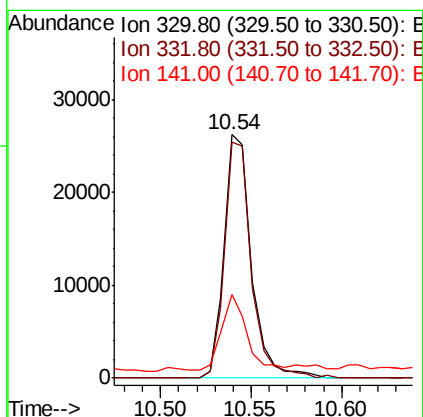
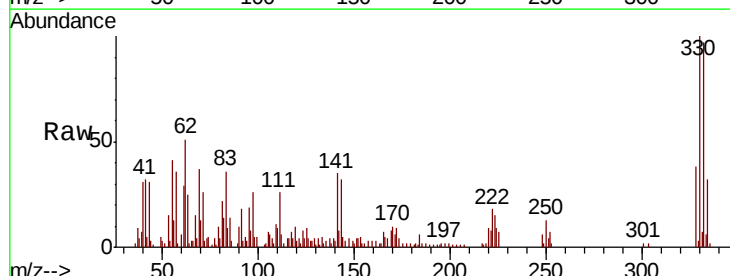
Instrument :
 BNA_F
 ClientSampleId :
 SB-9(7-8)-031519

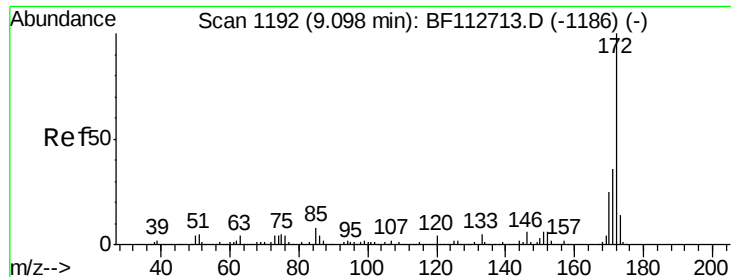
Tgt Ion:164 Resp: 282698
 Ion Ratio Lower Upper
 164 100
 162 102.5 80.6 120.8
 160 45.0 36.0 54.0



#42
 2,4,6-Tribromophenol
 Concen: 9.177 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF113142.D
 Acq: 19 Mar 2019 23:03

Tgt Ion:330 Resp: 27543
 Ion Ratio Lower Upper
 330 100
 332 95.5 76.2 114.4
 141 28.4 27.0 40.6

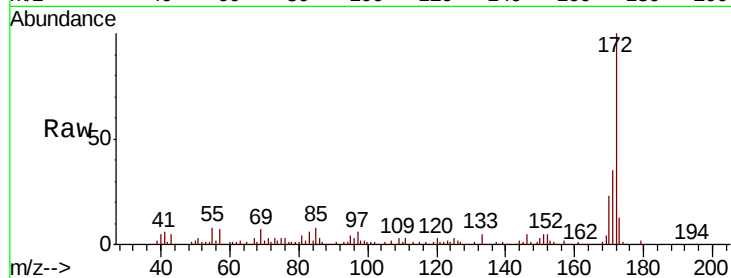




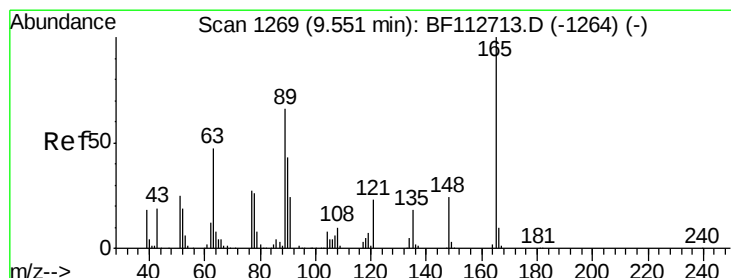
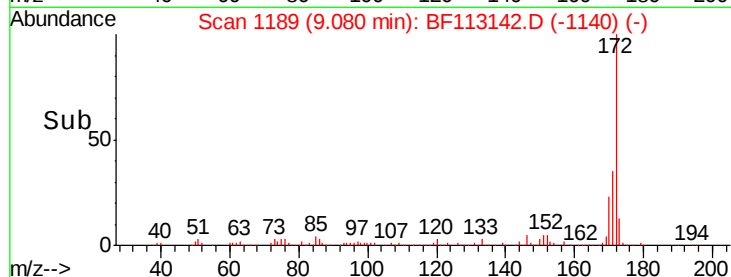
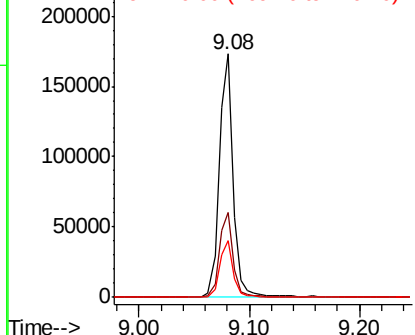
#45
 2-Fluorobiphenyl
 Concen: 5.783 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF113142.D
 Acq: 19 Mar 2019 23:03

Instrument :
 BNA_F
 ClientSampleId :
 SB-9(7-8)-031519

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.0	43.4
170	23.1	20.0	30.0

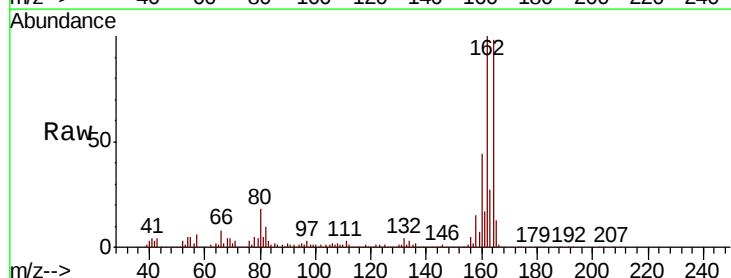


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

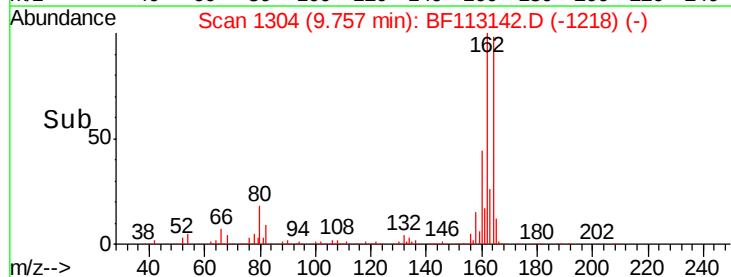
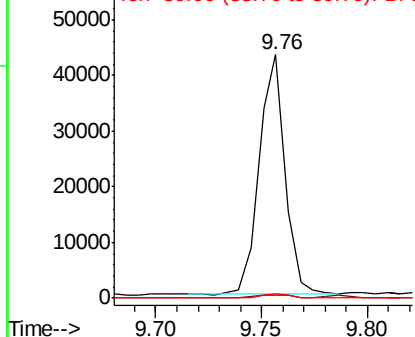


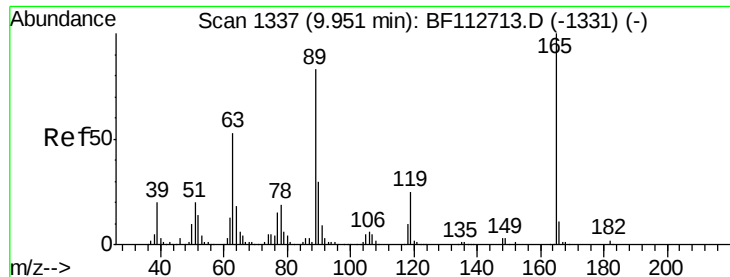
#51
 2,6-Dinitrotoluene
 Concen: 8.488 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. 0.21 min
 Lab File: BF113142.D
 Acq: 19 Mar 2019 23:03

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	54.1	81.1#
89	1.8	52.8	79.2#



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

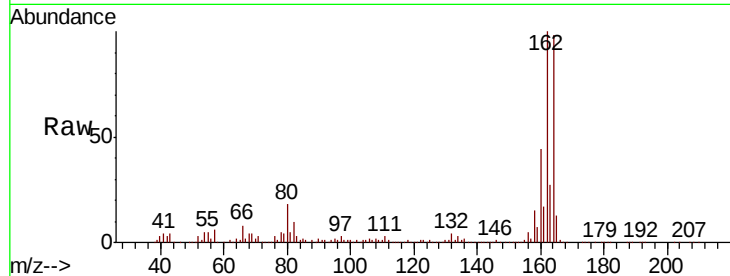




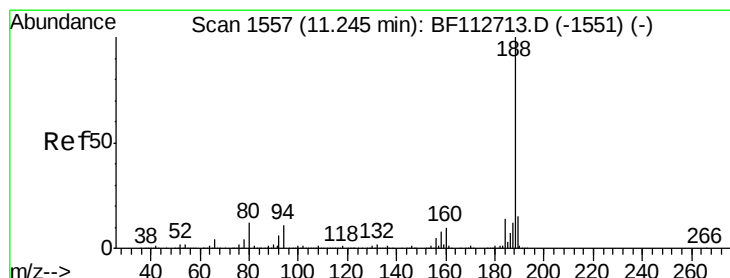
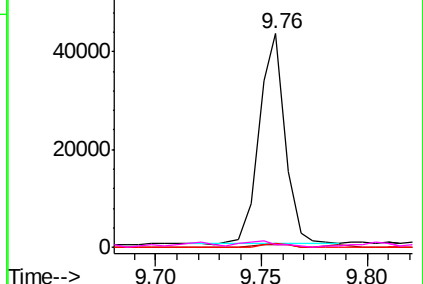
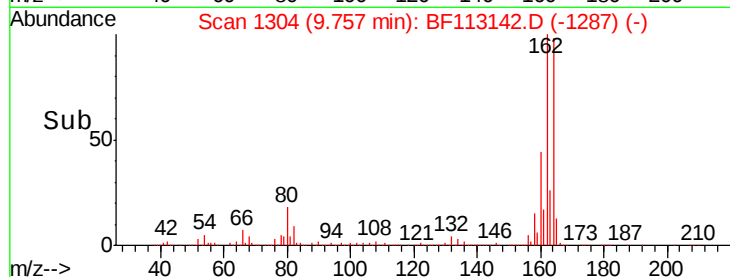
#57
 2,4-Dinitrotoluene
 Concen: 6.829 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.20 min
 Lab File: BF113142.D
 Acq: 19 Mar 2019 23:03

Instrument :
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 SB-9(7-8)-031519

Tgt Ion:	165	Resp:	36845
Ion	Ratio	Lower	Upper
165	100		
63	1.4	42.2	63.2#
89	1.8	66.2	99.4#
182	1.4	1.8	2.6#

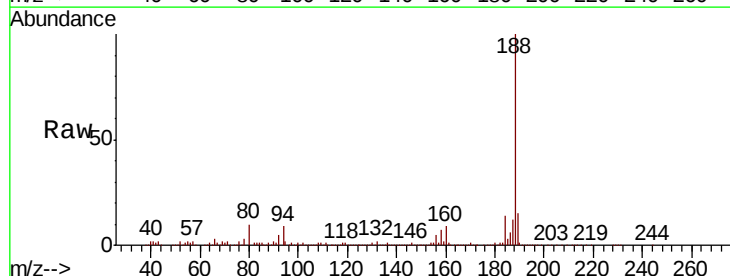


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

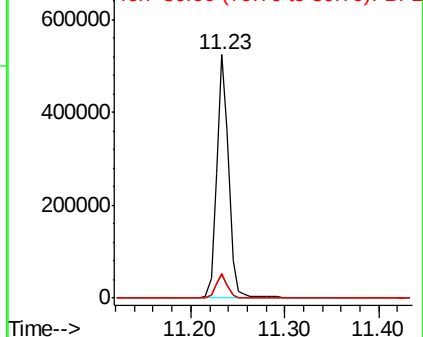
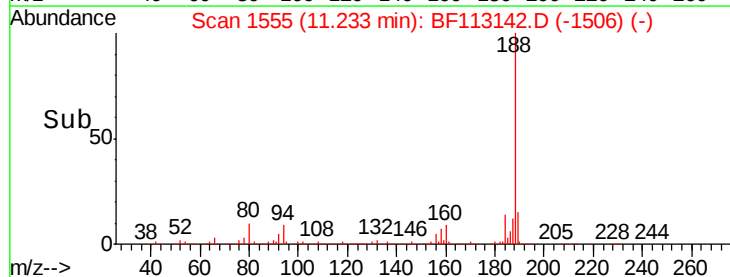


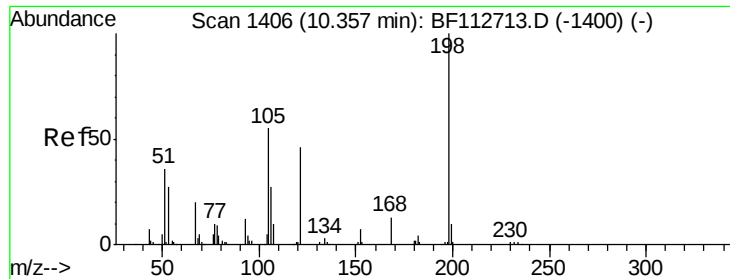
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF113142.D
 Acq: 19 Mar 2019 23:03

Tgt Ion:	188	Resp:	471431
Ion	Ratio	Lower	Upper
188	100		
94	9.4	9.0	13.4
80	10.1	9.2	13.8



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

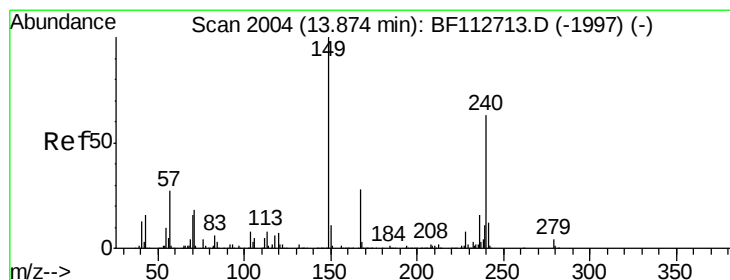
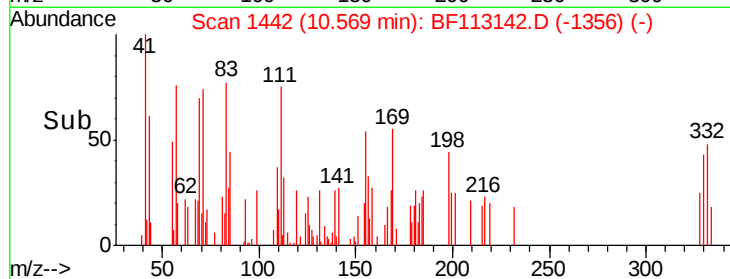
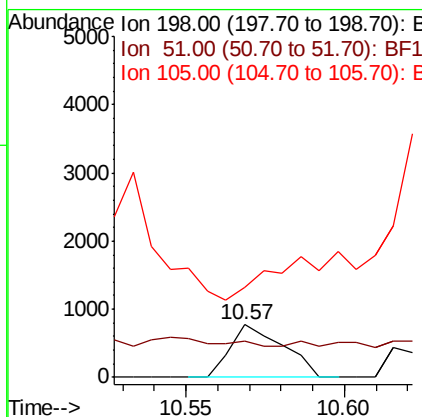
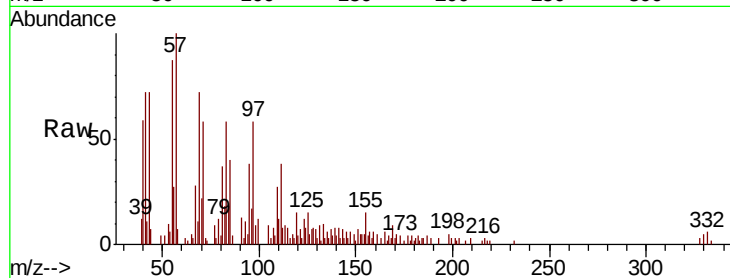




#65
 4,6-Dinitro-2-methylphenol
 Concen: 5.022 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. 0.21 min
 Lab File: BF113142.D
 Acq: 19 Mar 2019 23:03

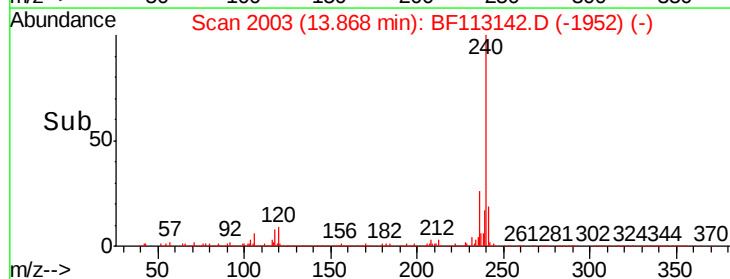
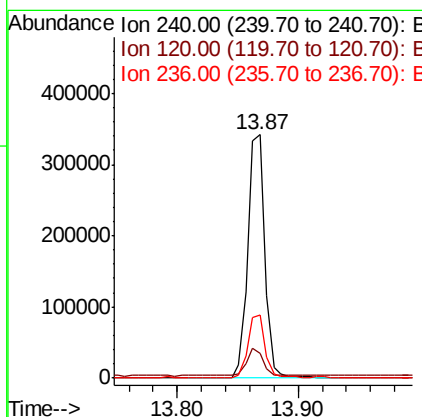
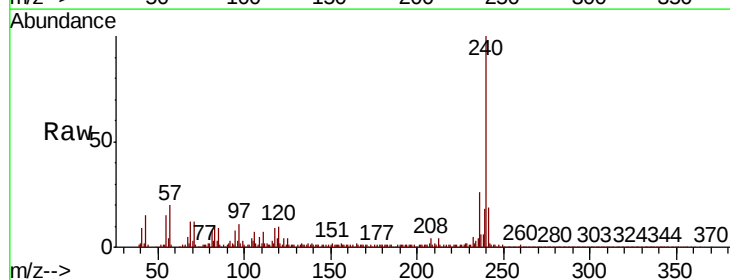
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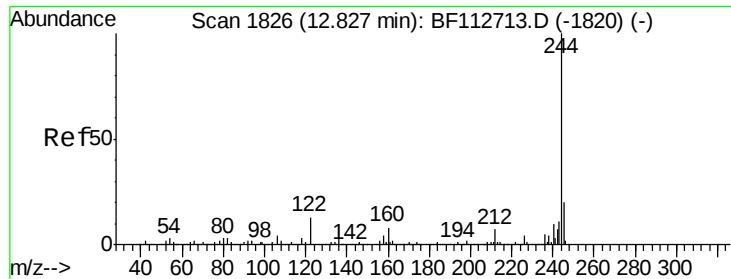
Tgt Ion:198 Resp: 878
 Ion Ratio Lower Upper
 198 100
 51 70.4 43.8 83.8
 105 173.2 36.5 76.5#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.87 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: BF113142.D
 Acq: 19 Mar 2019 23:03

Tgt Ion:240 Resp: 339456
 Ion Ratio Lower Upper
 240 100
 120 10.1 8.9 13.3
 236 25.9 20.7 31.1

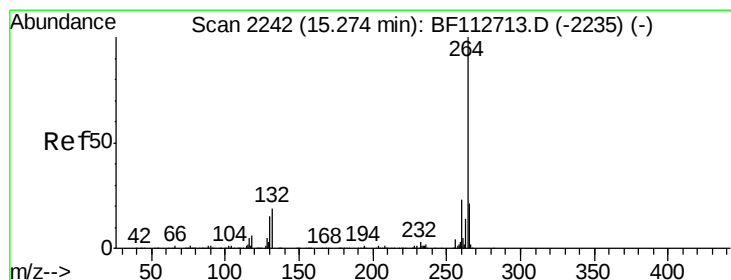
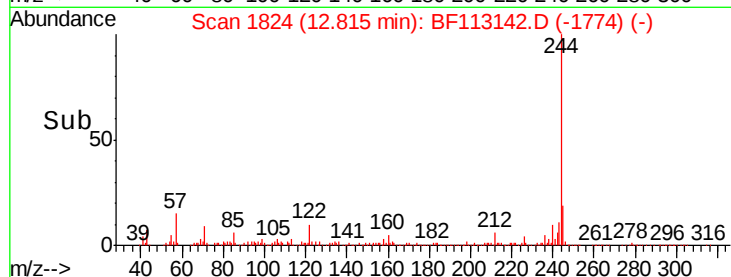
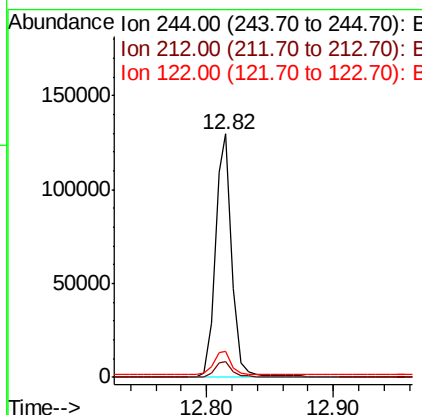
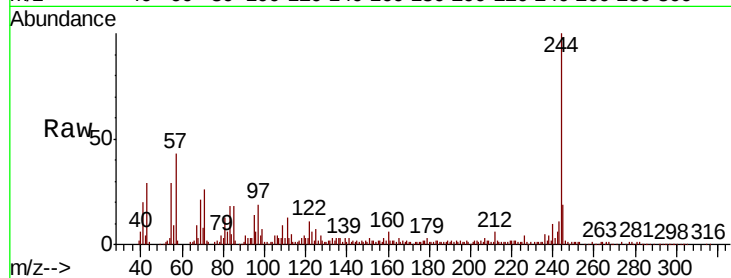




#79
 Terphenyl-d14
 Concen: 6.787 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF113142.D
 Acq: 19 Mar 2019 23:03

Instrument :
 BNA_F
 ClientSampleId :
 SB-9(7-8)-031519

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.6	8.4
122	10.7	10.5	15.7



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.28 min Scan# 2243
 Delta R.T. 0.01 min
 Lab File: BF113142.D
 Acq: 19 Mar 2019 23:03

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.7	28.1
265	22.2	17.2	25.8

