

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030217\
 Data File : BF093327.D
 Acq On : 2 Mar 2017 18:14
 Operator : SJ/MA
 Sample : I2052-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CPS093051

Quant Time: Mar 03 00:54:35 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 03 00:22:20 2017
 Response via : Initial Calibration

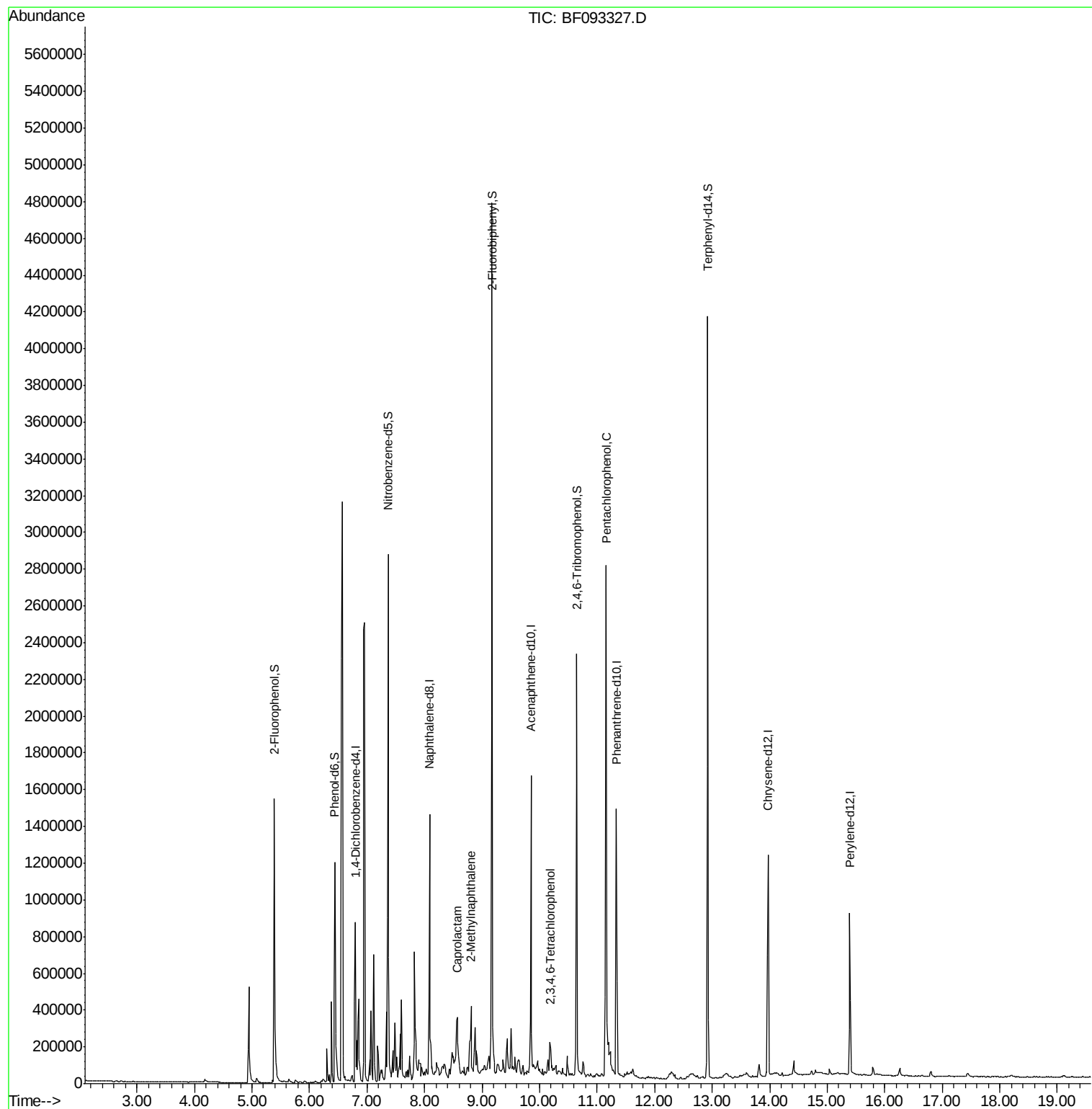
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	156339	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	639800	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	305698	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	538735	20.00	ng	-0.01
75) Chrysene-d12	13.97	240	489081	20.00	ng	-0.01
86) Perylene-d12	15.39	264	371936	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	626907	68.80	ng	0.00
7) Phenol-d6	6.44	99	494488	42.17	ng	-0.01
23) Nitrobenzene-d5	7.37	82	1014115	88.27	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	327445	148.10	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1635527	96.93	ng	0.00
78) Terphenyl-d14	12.92	244	1374967	66.06	ng	0.00
Target Compounds						
35) Caprolactam	8.57	113	56820	19.67	ng	# 45
37) 2-Methylnaphthalene	8.81	142	107196	5.15	ng	97
58) 2,3,4,6-Tetrachlorophenol	10.19	232	28588	6.94	ng	# 93
69) Pentachlorophenol	11.16	266	559186	184.42	ng	99

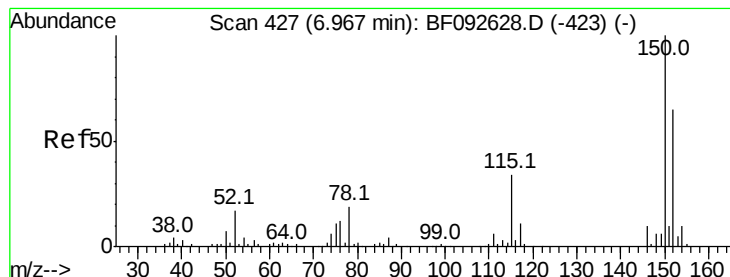
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 412

Delta R.T. 0.00 min

Lab File: BF093327.D

Acq: 2 Mar 2017 18:14

Instrument :

BNA_F

ClientSampleId :

CPS093051

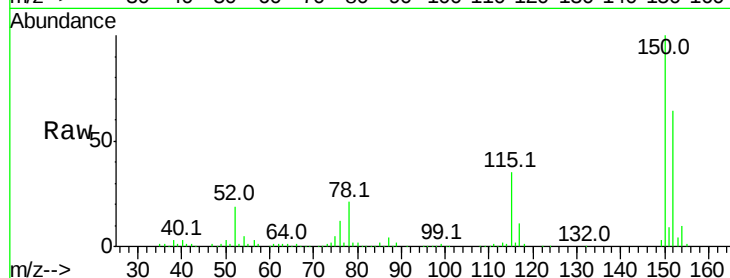
Tot Ion:152 Resp: 156339

Ion Ratio Lower Upper

152 100

150 157.5 124.9 187.3

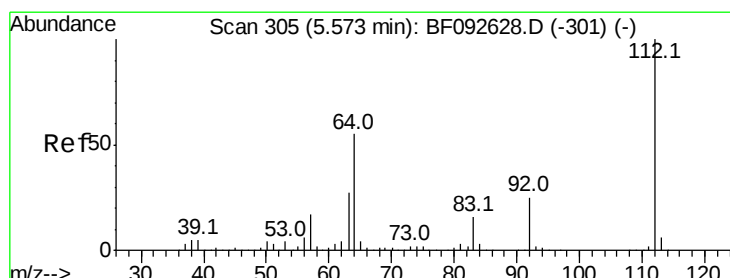
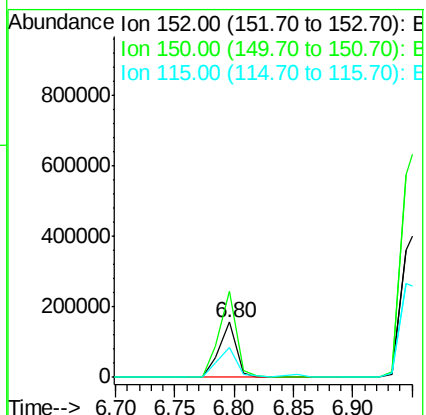
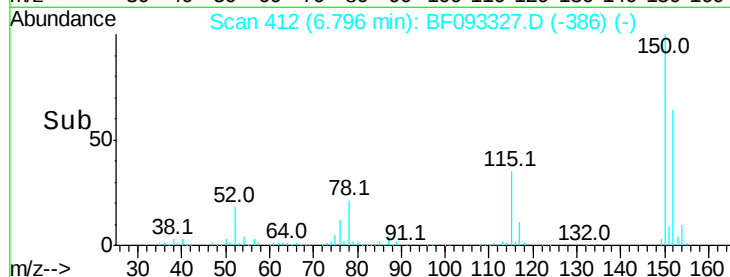
115 55.3 46.0 69.0



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: 68.80 ng

RT: 5.39 min Scan# 289

Delta R.T. 0.00 min

Lab File: BF093327.D

Acq: 2 Mar 2017 18:14

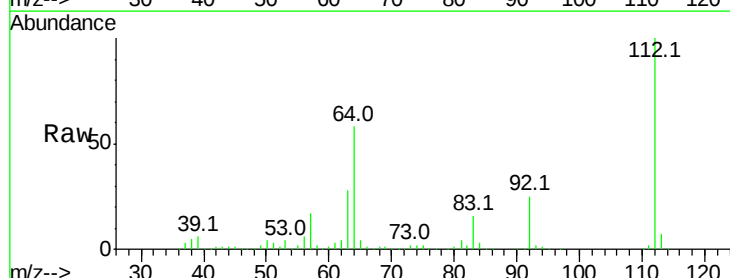
Tgt Ion:112 Resp: 626907

Ion Ratio Lower Upper

112 100

64 57.7 46.1 69.1

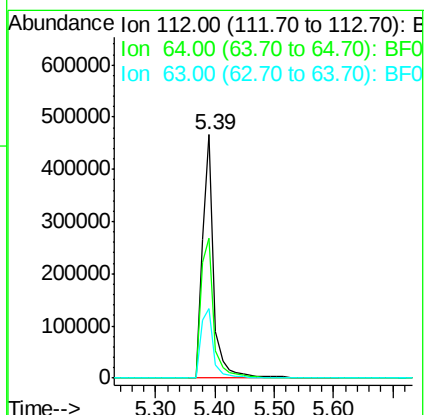
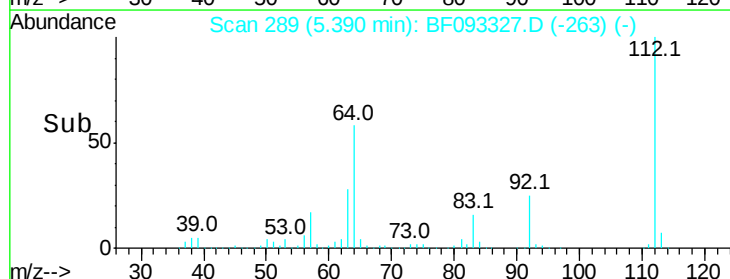
63 28.3 23.8 35.6

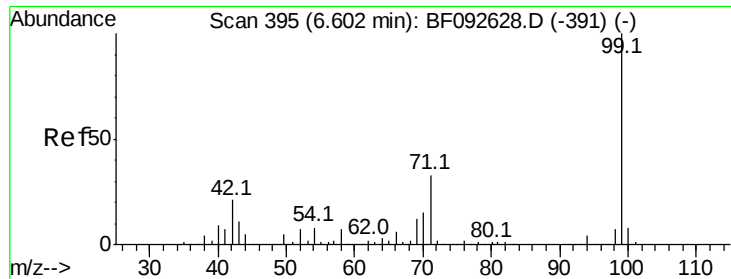


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 42.17 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.01 min

Lab File: BF093327.D

Acq: 2 Mar 2017 18:14

Instrument :

BNA_F

ClientSampleId :

CPS093051

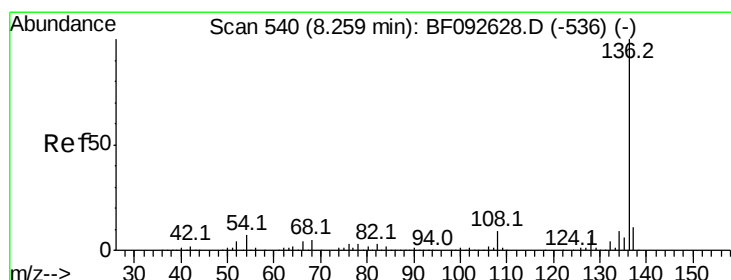
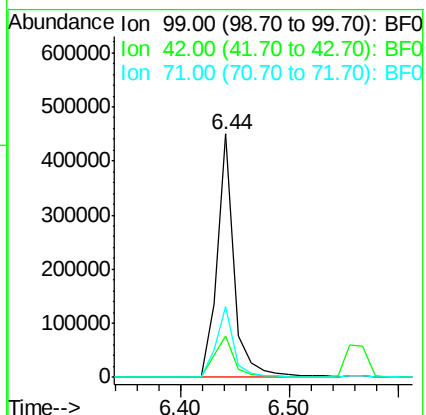
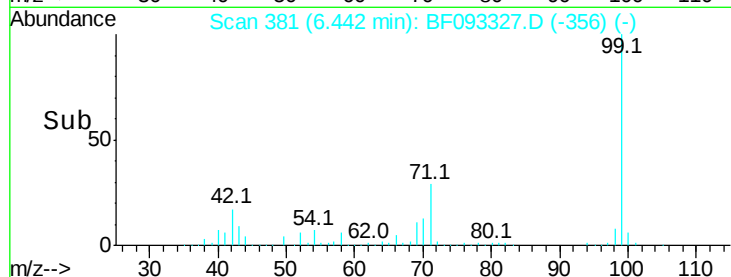
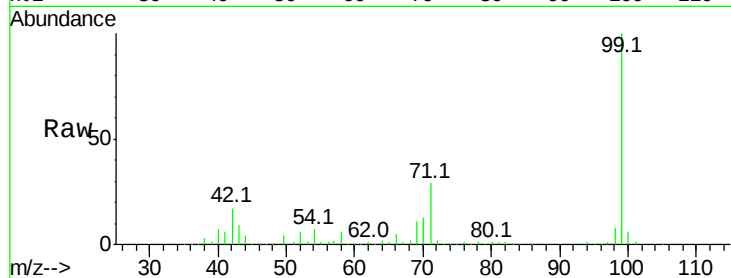
Tot Ion: 99 Resp: 494488

Ion Ratio Lower Upper

99 100

42 17.0 15.6 23.4

71 28.9 27.5 41.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 525

Delta R.T. 0.00 min

Lab File: BF093327.D

Acq: 2 Mar 2017 18:14

Tgt Ion: 136 Resp: 639800

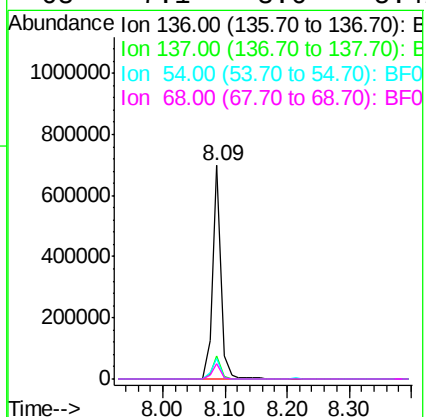
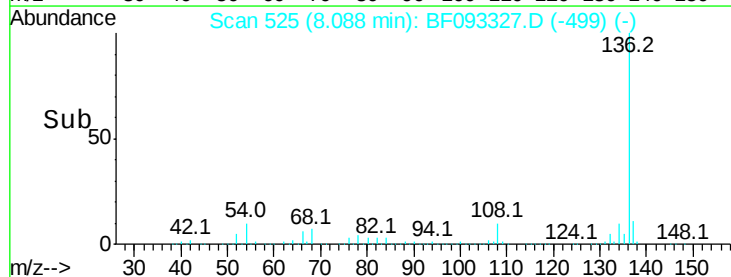
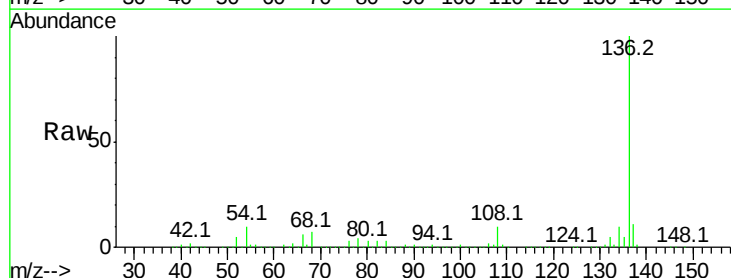
Ion Ratio Lower Upper

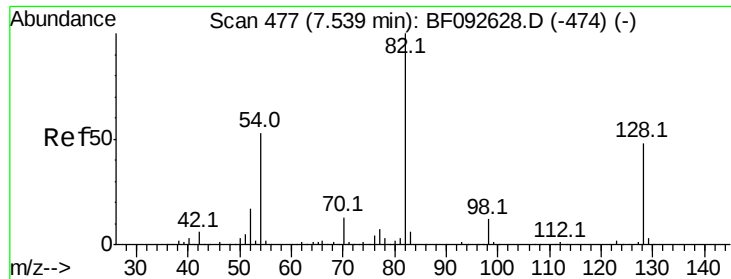
136 100

137 11.0 8.4 12.6

54 9.7 4.5 6.7#

68 7.1 3.6 5.4#

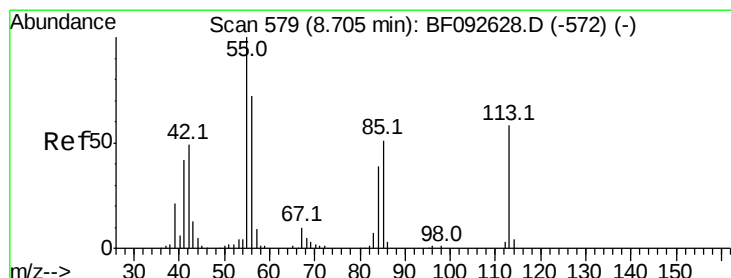
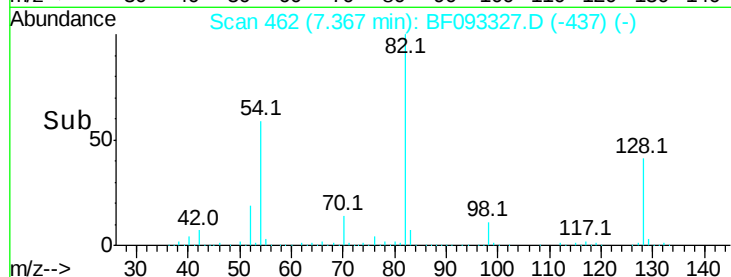
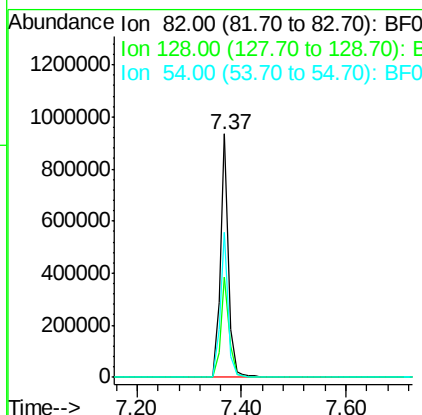
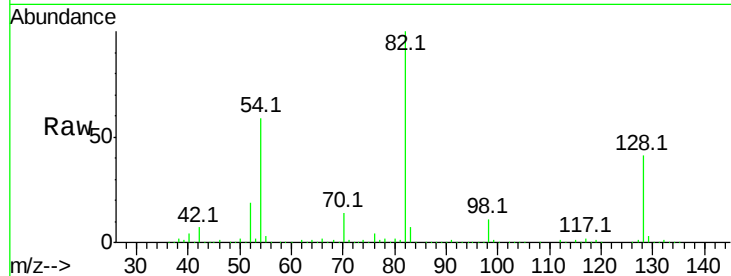




#23
 Nitrobenzene-d5
 Concen: 88.27 ng
 RT: 7.37 min Scan# 462
 Delta R.T. -0.01 min
 Lab File: BF093327.D
 Acq: 2 Mar 2017 18:14

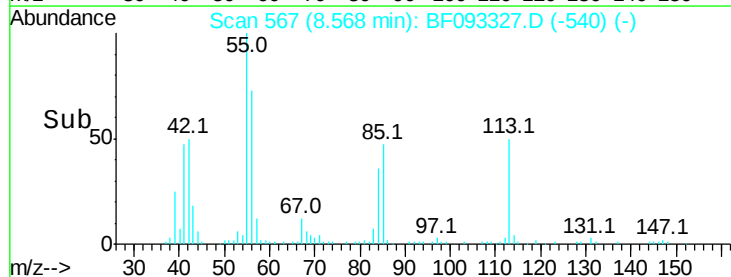
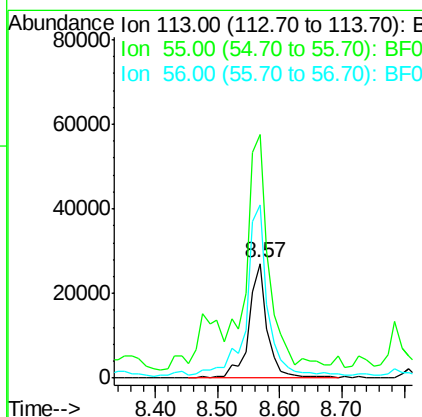
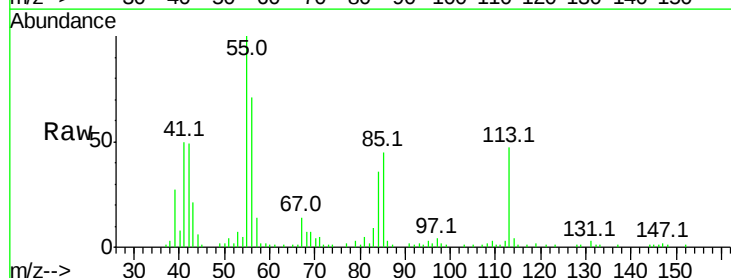
Instrument :
 BNA_F
 ClientSampleId :
 CPS093051

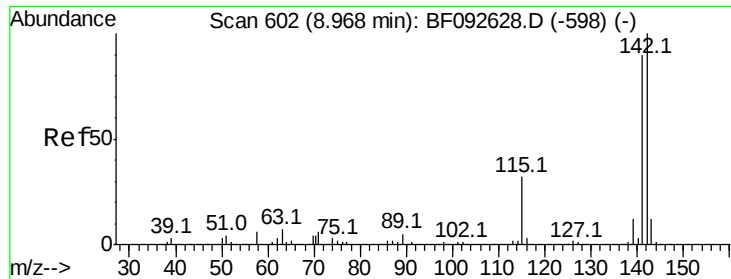
Tot Ion: 82 Resp: 1014115
 Ion Ratio Lower Upper
 82 100
 128 41.1 34.6 52.0
 54 59.4 39.5 59.3#



#35
 Caprolactam
 Concen: 19.67 ng
 RT: 8.57 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: BF093327.D
 Acq: 2 Mar 2017 18:14

Tgt Ion: 113 Resp: 56820
 Ion Ratio Lower Upper
 113 100
 55 212.7 119.2 159.2#
 56 151.7 83.8 123.8#

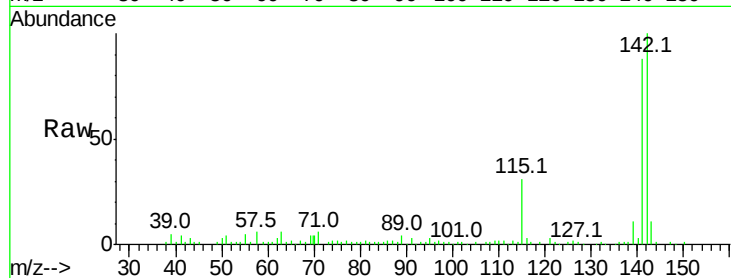




#37
 2-Methylnaphthalene
 Concen: 5.15 ng
 RT: 8.81 min Scan# 588
 Delta R.T. 0.00 min
 Lab File: BF093327.D
 Acq: 2 Mar 2017 18:14

Instrument :
 BNA_F
 ClientSampleId :
 CPS093051

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.2	71.0	106.6
115	30.5	28.3	42.5

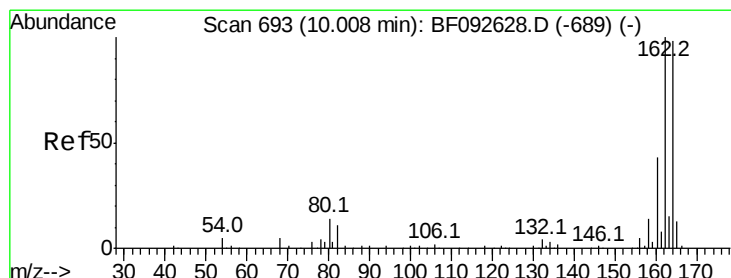
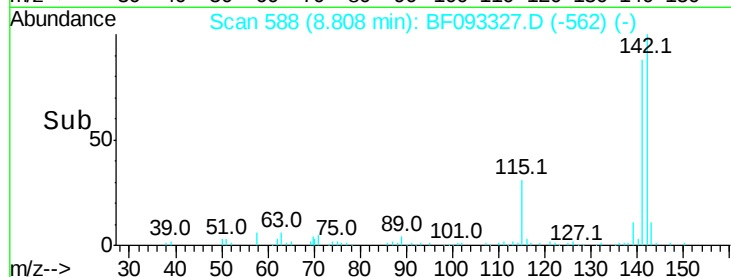
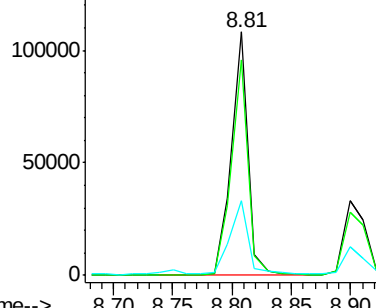


Abundance

Ion 142.00 (141.70 to 142.70): E

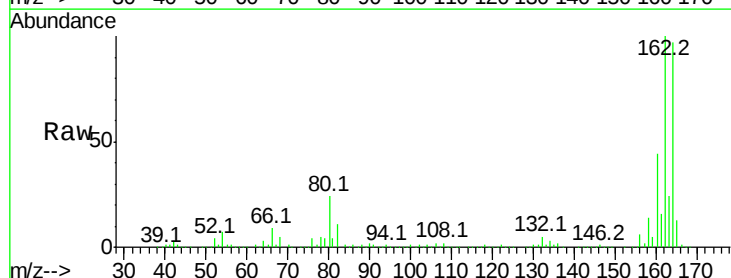
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 679
 Delta R.T. -0.01 min
 Lab File: BF093327.D
 Acq: 2 Mar 2017 18:14

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.0	80.2	120.2
160	45.2	36.9	55.3

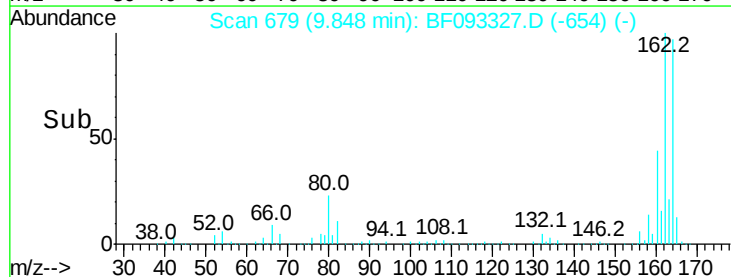
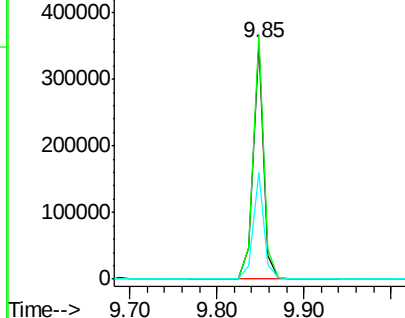


Abundance

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

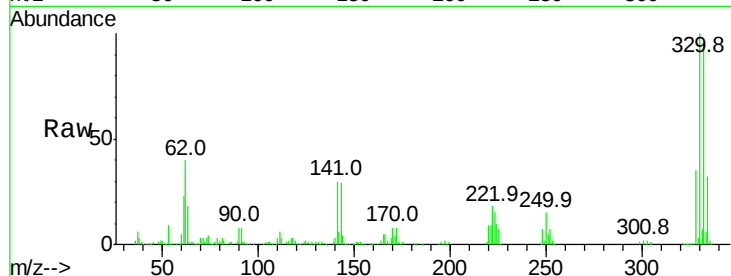




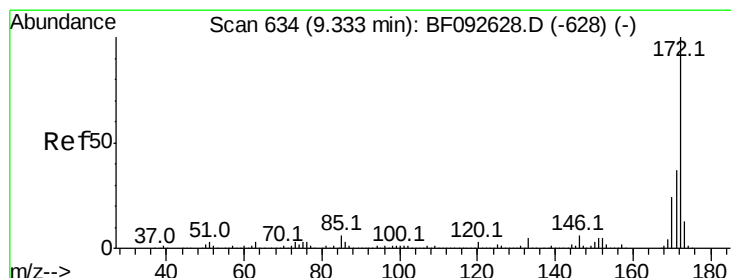
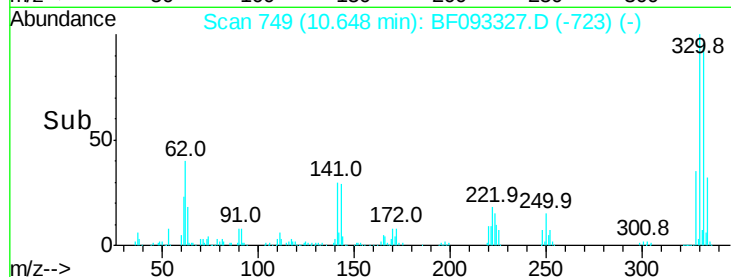
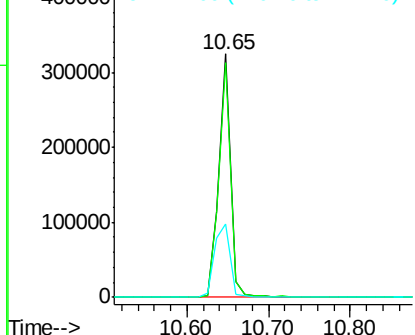
#41
 2,4,6-Tribromophenol
 Concen: 148.10 ng
 RT: 10.65 min Scan# 749
 Delta R.T. 0.00 min
 Lab File: BF093327.D
 Acq: 2 Mar 2017 18:14

Instrument :
 BNA_F
 ClientSampleId :
 CPS093051

Tot Ion:330 Resp: 327445
 Ion Ratio Lower Upper
 330 100
 332 97.7 77.4 116.2
 141 40.1 34.1 51.1

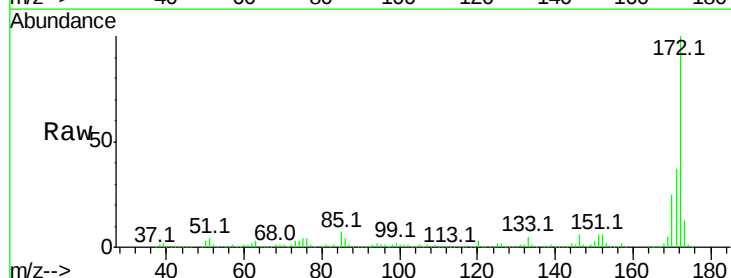


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

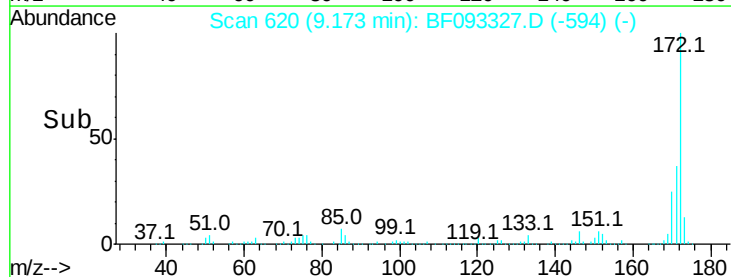
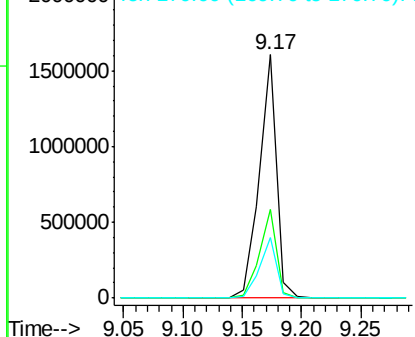


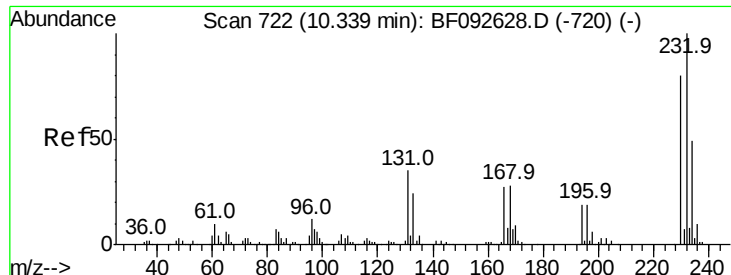
#44
 2-Fluorobiphenyl
 Concen: 96.93 ng
 RT: 9.17 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: BF093327.D
 Acq: 2 Mar 2017 18:14

Tgt Ion:172 Resp: 1635527
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.4 44.0
 170 24.7 20.2 30.4



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

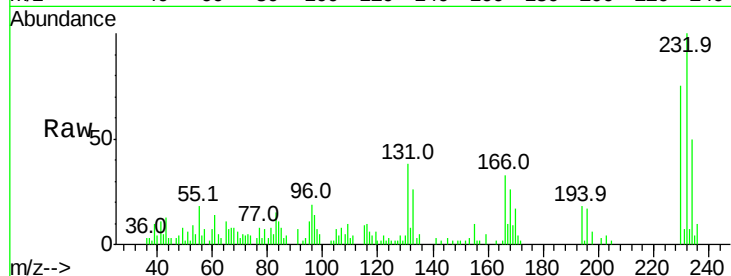




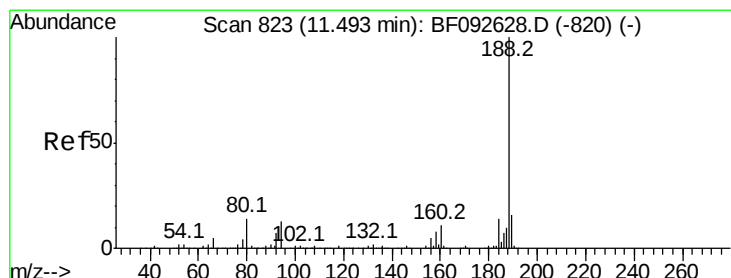
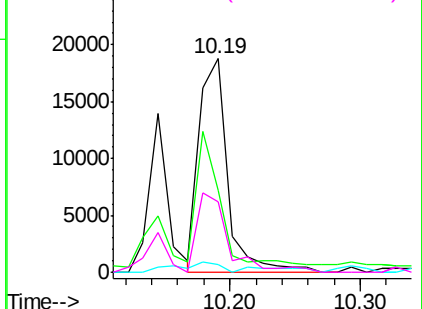
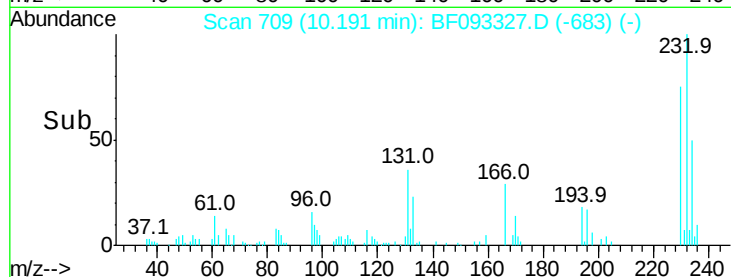
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 6.94 ng
 RT: 10.19 min Scan# 709
 Delta R.T. 0.00 min
 Lab File: BF093327.D
 Acq: 2 Mar 2017 18:14

Instrument :
 BNA_F
 ClientSampleId :
 CPS093051

Tot Ion:232 Resp: 28588
 Ion Ratio Lower Upper
 232 100
 131 48.9 40.1 60.1
 130 7.3 1.8 2.8#
 166 41.0 26.6 39.8#

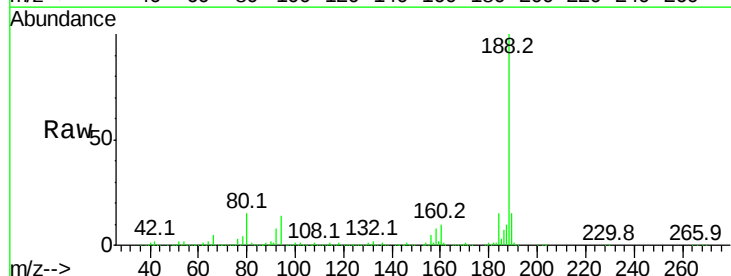


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

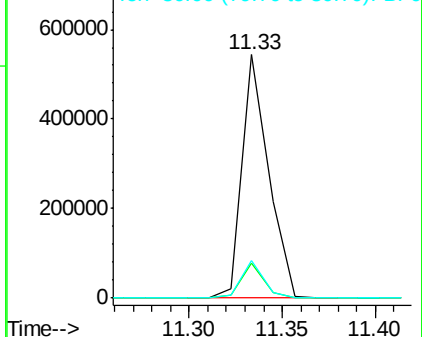
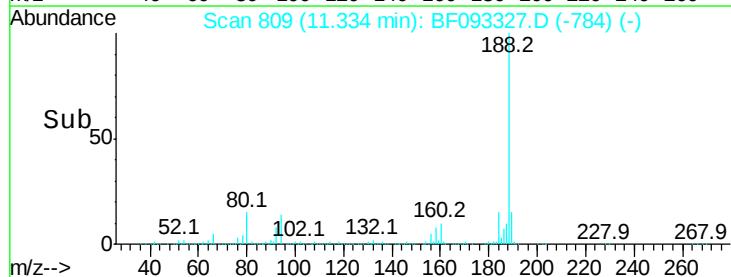


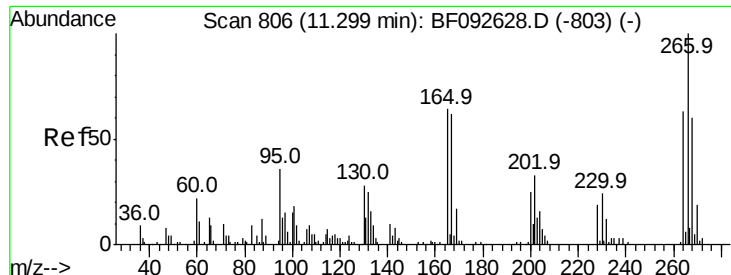
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.33 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF093327.D
 Acq: 2 Mar 2017 18:14

Tgt Ion:188 Resp: 538735
 Ion Ratio Lower Upper
 188 100
 94 14.2 10.0 15.0
 80 15.5 11.2 16.8



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

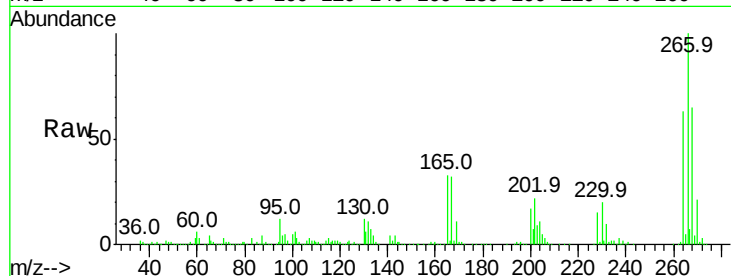




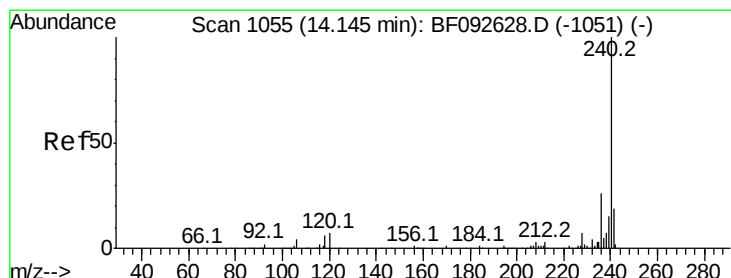
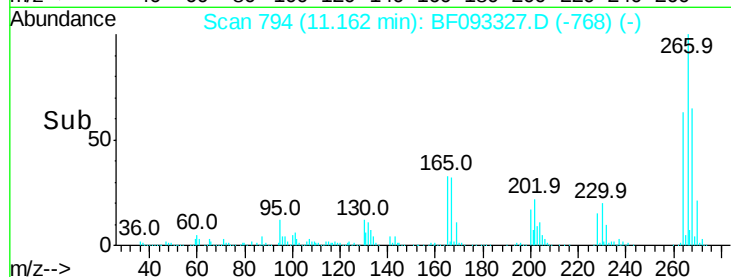
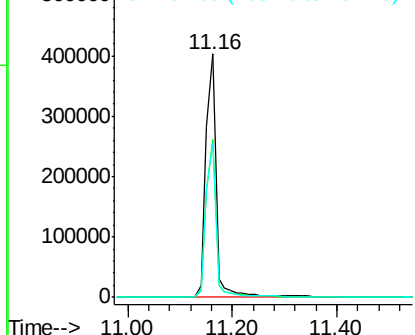
#69
 Pentachlorophenol
 Concen: 184.42 ng
 RT: 11.16 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: BF093327.D
 Acq: 2 Mar 2017 18:14

Instrument :
 BNA_F
 ClientSampleId :
 CPS093051

Tot Ion:266 Resp: 559186
 Ion Ratio Lower Upper
 266 100
 268 64.9 53.3 79.9
 264 63.3 50.3 75.5

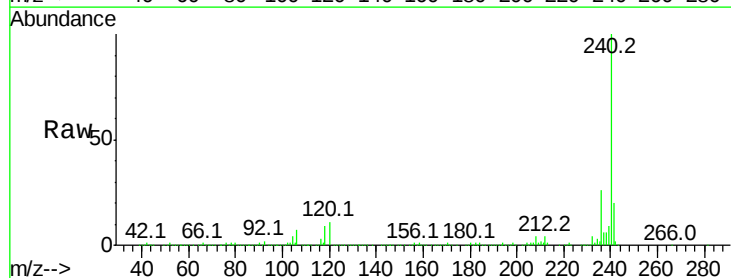


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

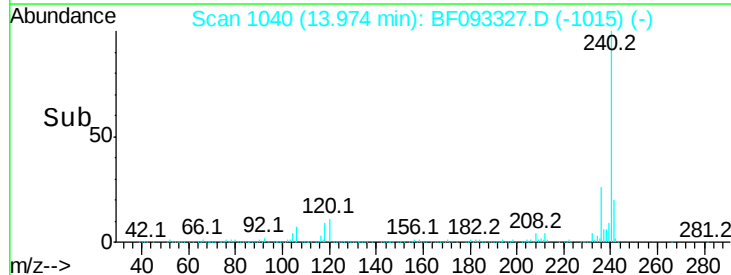
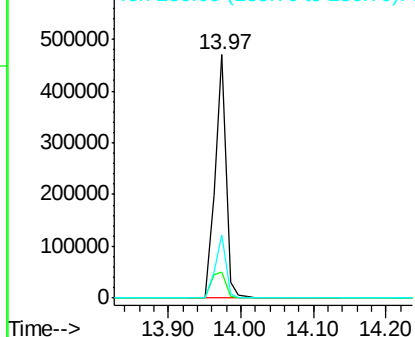


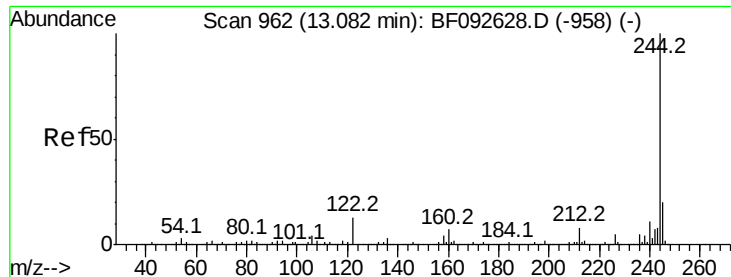
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.97 min Scan# 1040
 Delta R.T. -0.01 min
 Lab File: BF093327.D
 Acq: 2 Mar 2017 18:14

Tgt Ion:240 Resp: 489081
 Ion Ratio Lower Upper
 240 100
 120 10.5 12.9 19.3#
 236 26.1 20.9 31.3



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

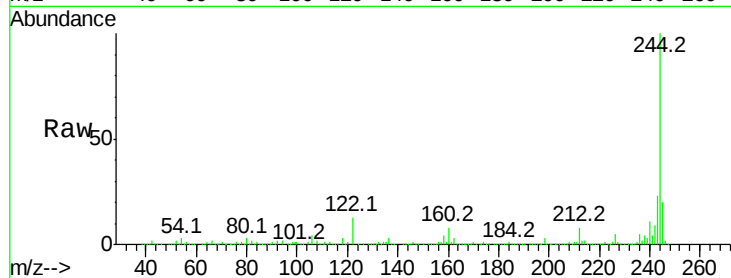




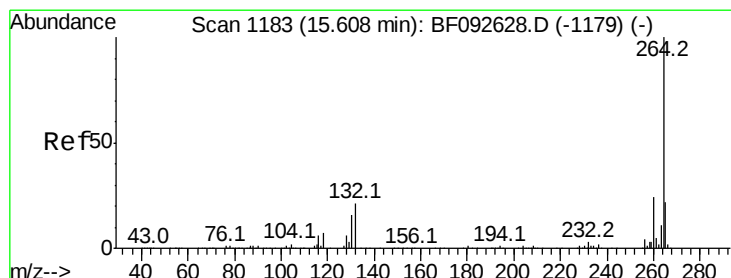
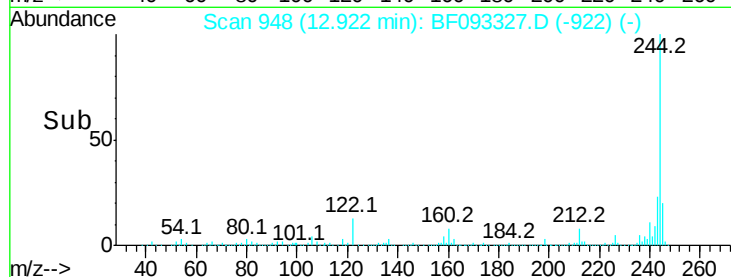
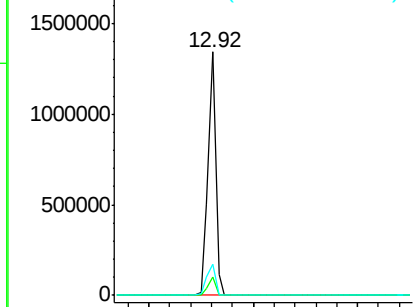
#78
 Terphenyl-d14
 Concen: 66.06 ng
 RT: 12.92 min Scan# 948
 Delta R.T. 0.00 min
 Lab File: BF093327.D
 Acq: 2 Mar 2017 18:14

Instrument :
 BNA_F
 ClientSampleId :
 CPS093051

Tot Ion:244 Resp: 1374967
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.2 9.2
 122 12.9 11.4 17.2

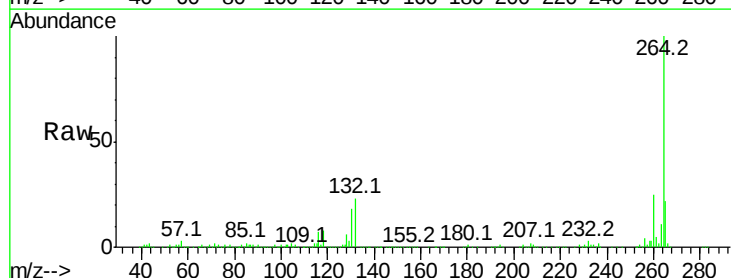


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.39 min Scan# 1164
 Delta R.T. -0.01 min
 Lab File: BF093327.D
 Acq: 2 Mar 2017 18:14

Tgt Ion:264 Resp: 371936
 Ion Ratio Lower Upper
 264 100
 260 24.8 19.2 28.8
 265 22.0 17.4 26.0



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

