

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052316\
 Data File : BF087325.D
 Acq On : 24 May 2016 5:37
 Operator : UM/SJ
 Sample : H3187-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GTMW-5

Quant Time: May 24 18:46:04 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 24 01:40:43 2016
 Response via : Initial Calibration

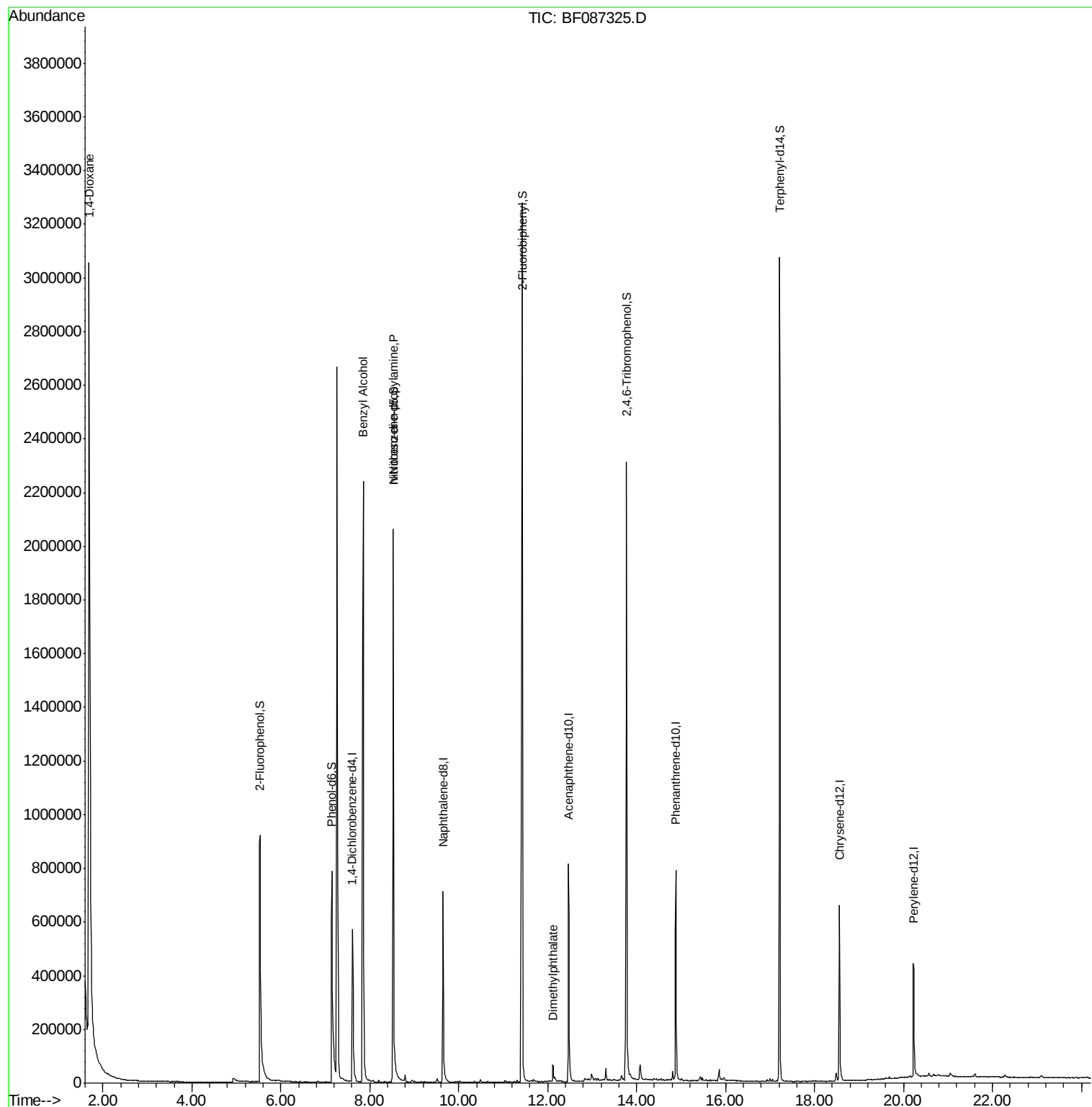
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	120068	20.00	ng	0.00
21) Naphthalene-d8	9.64	136	487810	20.00	ng	0.00
38) Acenaphthene-d10	12.47	164	234983	20.00	ng	-0.01
63) Phenanthrene-d10	14.88	188	447506	20.00	ng	0.00
75) Chrysene-d12	18.56	240	357932	20.00	ng	0.00
86) Perylene-d12	20.23	264	270061	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	527150	77.15	ng	0.01
7) Phenol-d6	7.15	99	506282	54.83	ng	-0.01
23) Nitrobenzene-d5	8.52	82	898213	92.80	ng	-0.01
41) 2,4,6-Tribromophenol	13.77	330	332636	147.31	ng	-0.01
44) 2-Fluorobiphenyl	11.43	172	1604406	96.26	ng	0.00
78) Terphenyl-d14	17.21	244	1440410	85.56	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	1.69	88	131284	36.41	ng	# 22
15) Benzyl Alcohol	7.85	79	15957	2.37	ng	# 40
19) n-Nitroso-di-n-propylamine	8.52	70	119644	17.38	ng	# 74
49) Dimethylphthalate	12.11	163	43013	2.29	ng	99

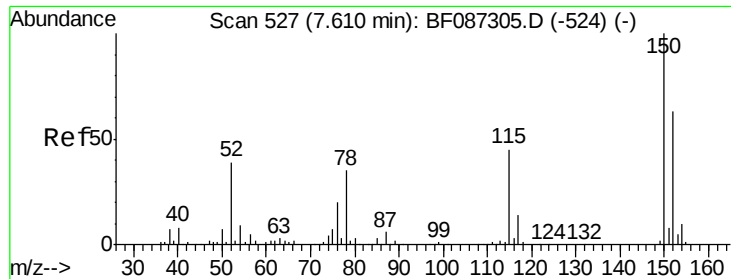
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.61 min Scan# 527

Delta R.T. 0.00 min

Lab File: BF087325.D

Acq: 24 May 2016 5:37

Instrument :

BNA_F

ClientSampleId :

RAV-GTMW-5

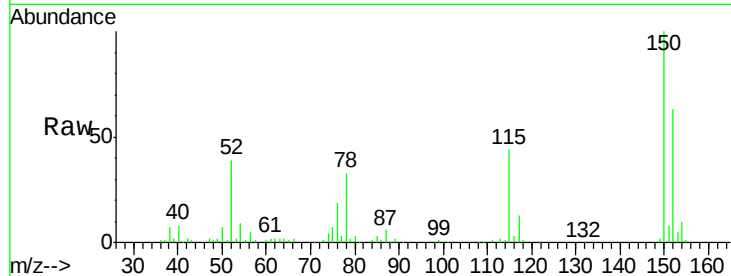
Tgt Ion: 152 Resp: 120068

Ion Ratio Lower Upper

152 100

150 158.9 125.8 188.6

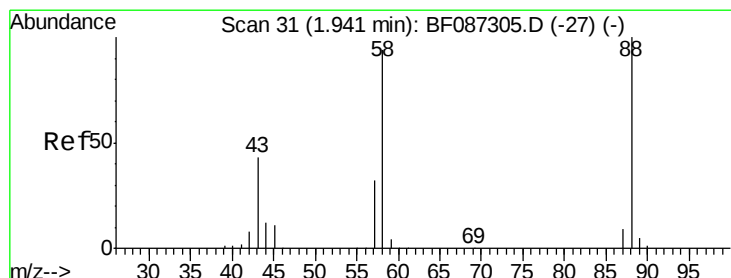
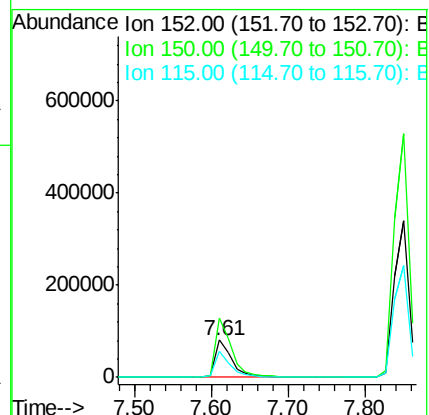
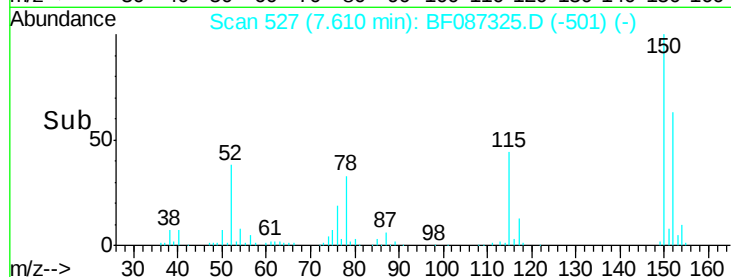
115 70.6 51.5 77.3



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



#2

1,4-Dioxane

Concen: 36.41 ng

RT: 1.69 min Scan# 9

Delta R.T. -0.25 min

Lab File: BF087325.D

Acq: 24 May 2016 5:37

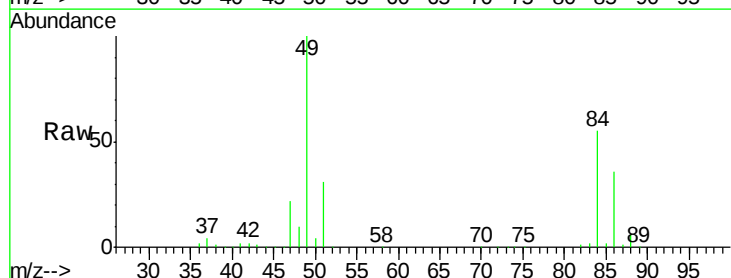
Tgt Ion: 88 Resp: 131284

Ion Ratio Lower Upper

88 100

58 0.0 59.6 89.4#

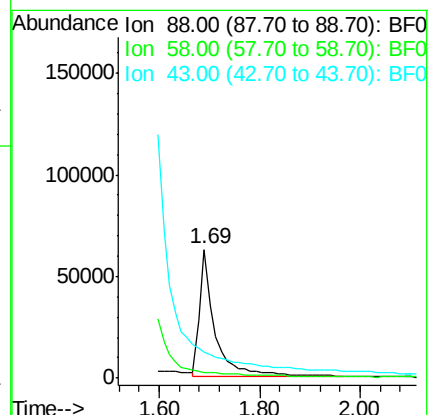
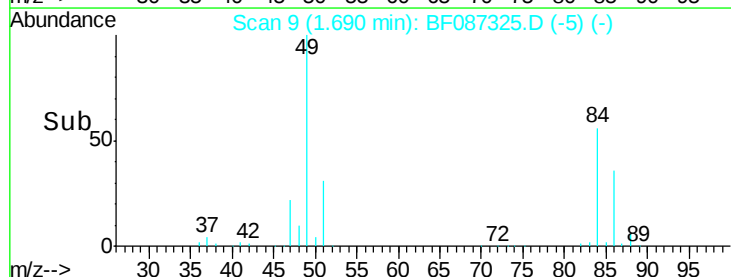
43 0.0 21.8 32.6#



Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 77.15 ng

RT: 5.53 min Scan# 345

Delta R.T. 0.01 min

Lab File: BF087325.D

Acq: 24 May 2016 5:37

Instrument :

BNA_F

ClientSampleId :

RAV-GTMW-5

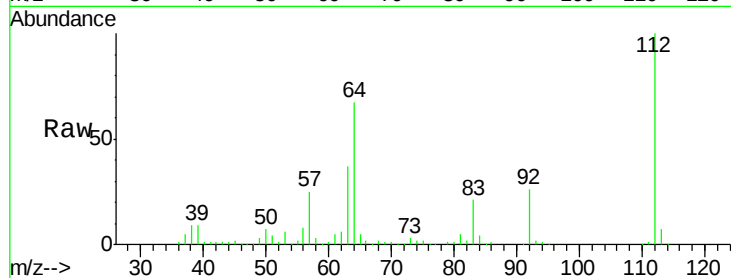
Tgt Ion: 112 Resp: 527150

Ion Ratio Lower Upper

112 100

64 66.9 52.1 78.1

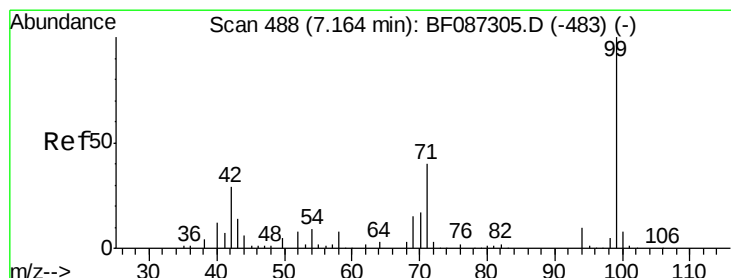
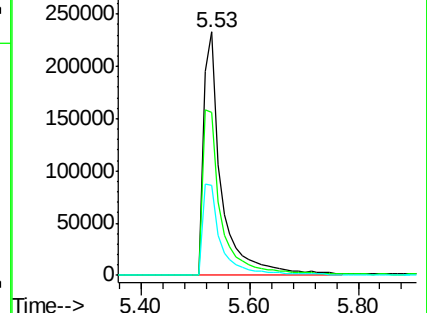
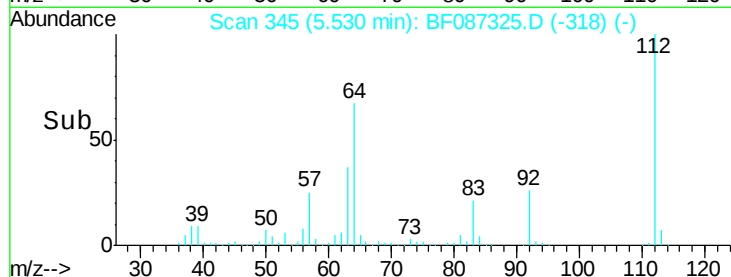
63 36.8 25.7 38.5



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: 54.83 ng

RT: 7.15 min Scan# 487

Delta R.T. -0.01 min

Lab File: BF087325.D

Acq: 24 May 2016 5:37

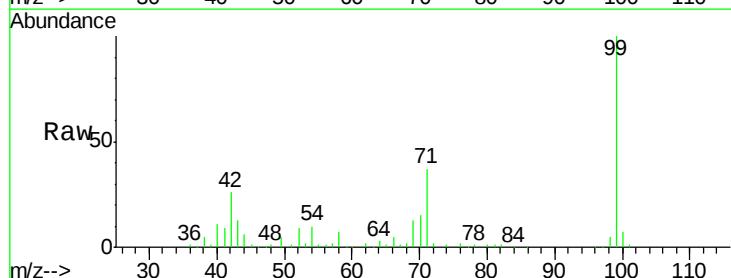
Tgt Ion: 99 Resp: 506282

Ion Ratio Lower Upper

99 100

42 26.4 13.6 20.4#

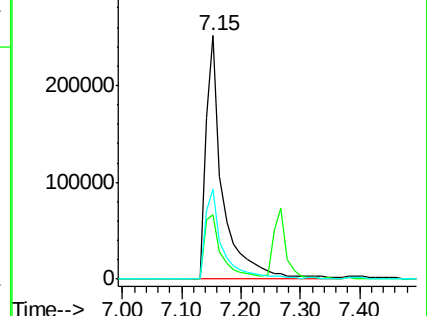
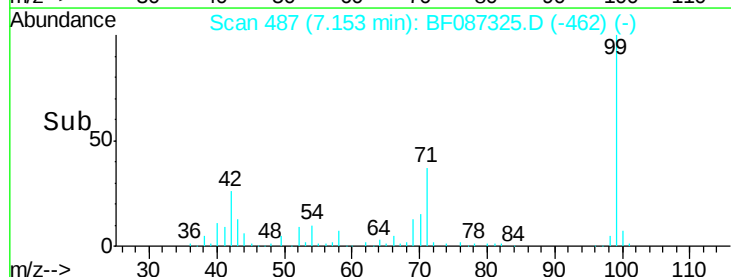
71 37.0 24.6 36.8#

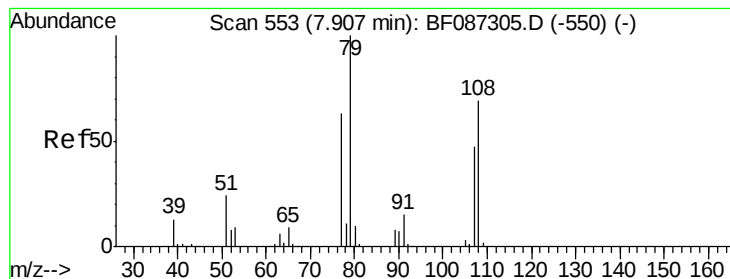


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#15

Benzyl Alcohol

Concen: 2.37 ng

RT: 7.85 min Scan# 548

Delta R.T. -0.06 min

Lab File: BF087325.D

Acq: 24 May 2016 5:37

Instrument :

BNA_F

ClientSampleId :

RAV-GTMW-5

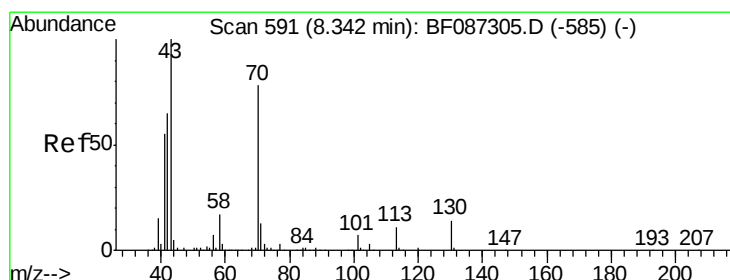
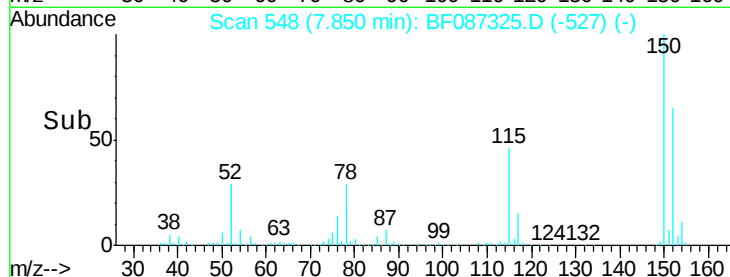
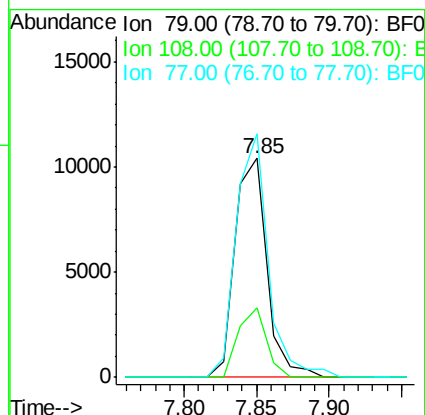
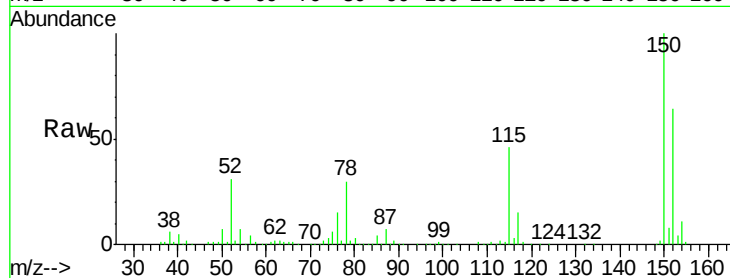
Tgt Ion: 79 Resp: 15957

Ion Ratio Lower Upper

79 100

108 31.5 68.4 102.6#

77 111.2 50.6 76.0#



#19

n-Nitroso-di-n-propylamine

Concen: 17.38 ng

RT: 8.52 min Scan# 607

Delta R.T. 0.18 min

Lab File: BF087325.D

Acq: 24 May 2016 5:37

Tgt Ion: 70 Resp: 119644

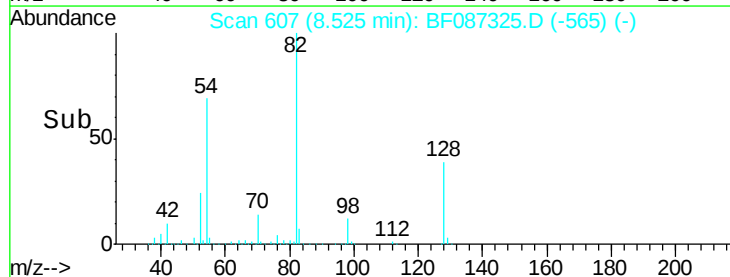
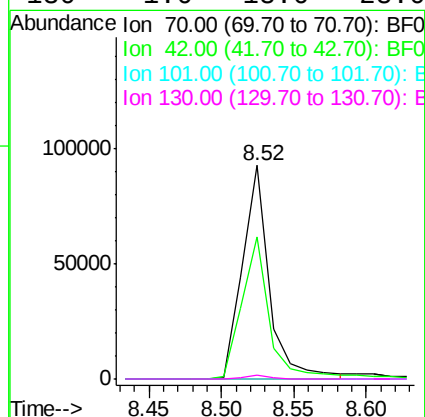
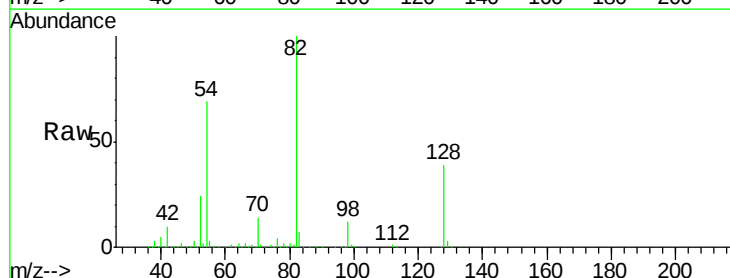
Ion Ratio Lower Upper

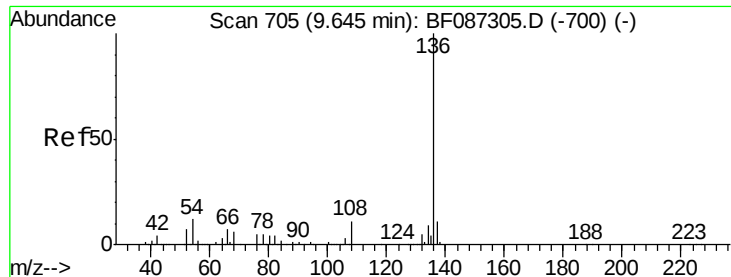
70 100

42 66.3 43.1 64.7#

101 0.0 8.1 12.1#

130 1.6 18.6 28.0#

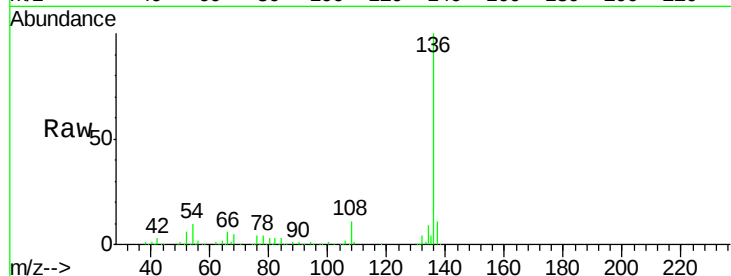




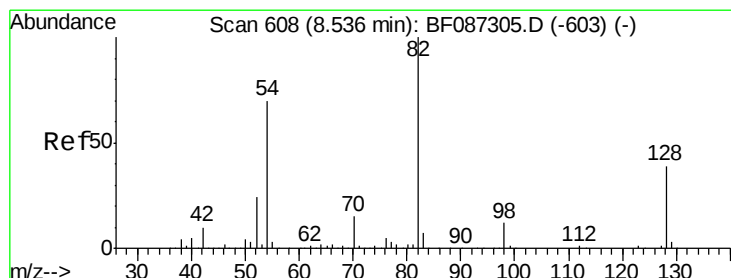
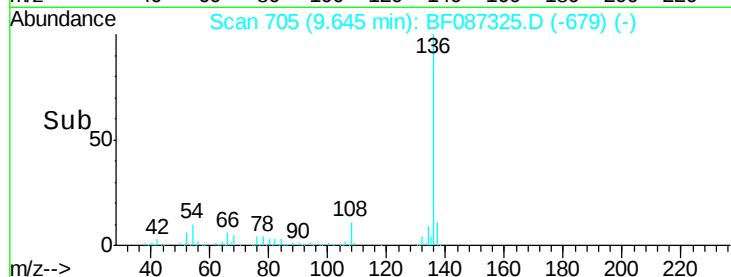
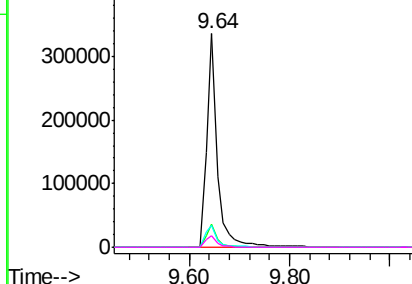
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.64 min Scan# 705
Delta R.T. 0.00 min
Lab File: BF087325.D
Acq: 24 May 2016 5:37

Instrument :
BNA_F
ClientSampleId :
RAV-GTMW-5

Tgt Ion:	136	Resp:	487810
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	10.4	5.0	7.4#
68	5.3	4.4	6.6

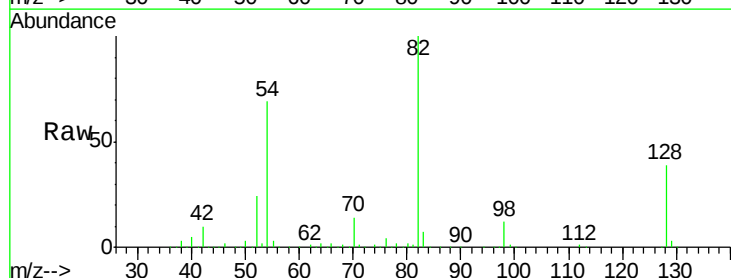


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

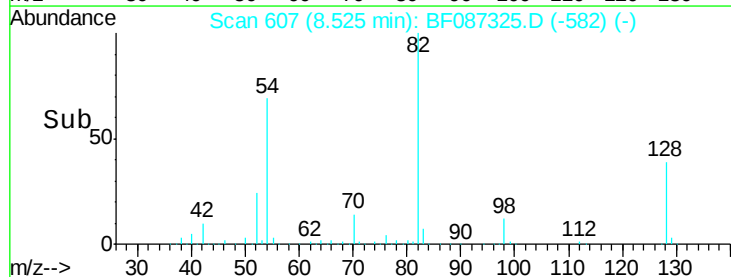
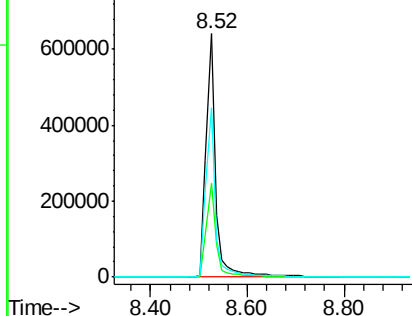


#23
Nitrobenzene-d5
Concen: 92.80 ng
RT: 8.52 min Scan# 607
Delta R.T. -0.01 min
Lab File: BF087325.D
Acq: 24 May 2016 5:37

Tgt Ion:	82	Resp:	898213
Ion	Ratio	Lower	Upper
82	100		
128	38.5	40.6	61.0#
54	69.4	38.1	57.1#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

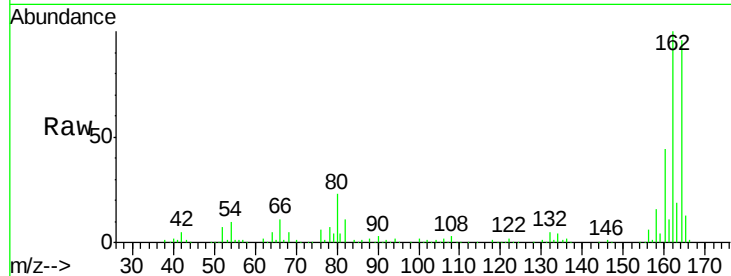




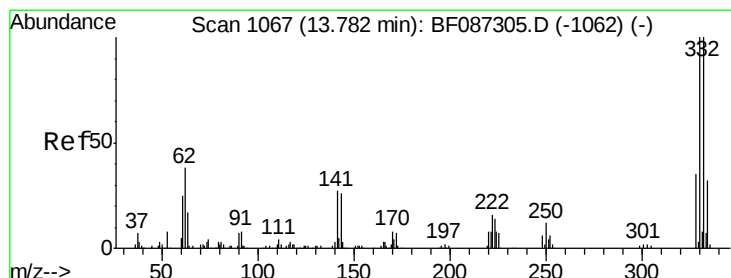
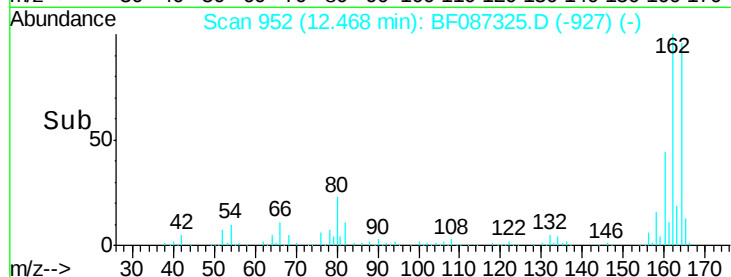
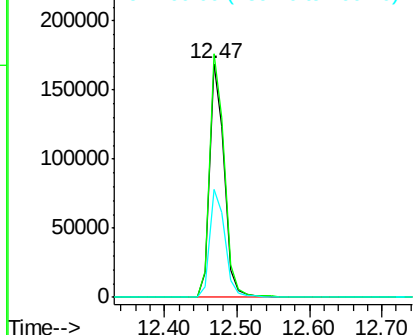
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.47 min Scan# 952
 Delta R.T. -0.01 min
 Lab File: BF087325.D
 Acq: 24 May 2016 5:37

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GTMW-5

Tgt Ion:164 Resp: 234983
 Ion Ratio Lower Upper
 164 100
 162 104.2 82.8 124.2
 160 46.0 36.9 55.3

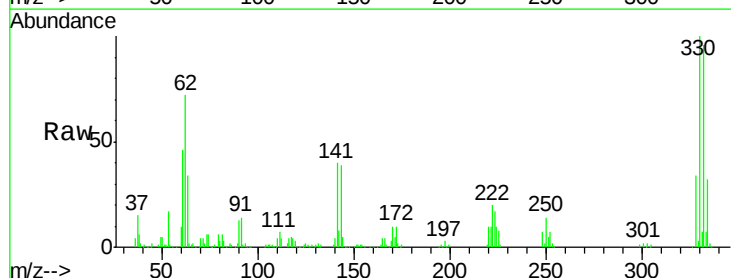


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

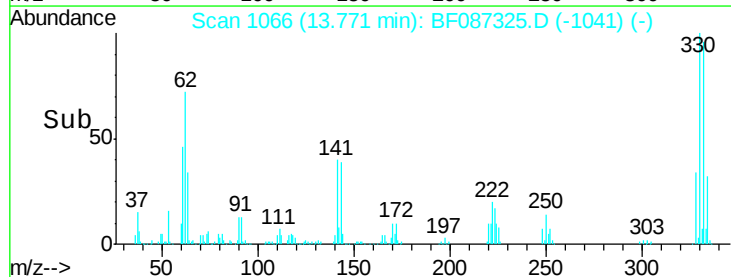
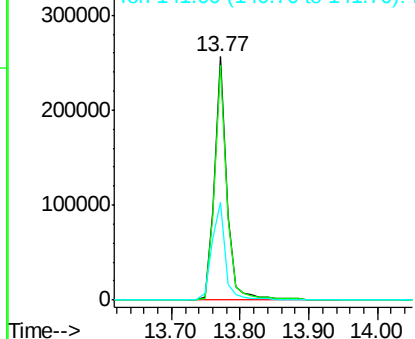


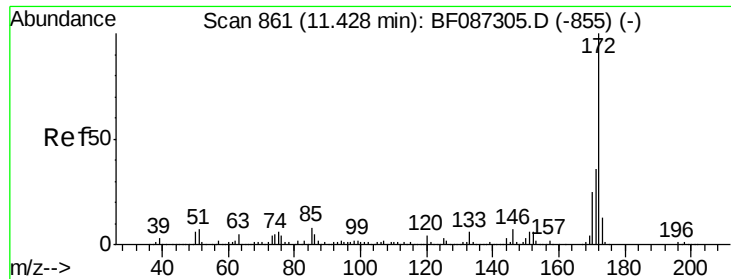
#41
 2,4,6-Tribromophenol
 Concen: 147.31 ng
 RT: 13.77 min Scan# 1066
 Delta R.T. -0.01 min
 Lab File: BF087325.D
 Acq: 24 May 2016 5:37

Tgt Ion:330 Resp: 332636
 Ion Ratio Lower Upper
 330 100
 332 97.1 79.0 118.4
 141 43.6 31.2 46.8



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

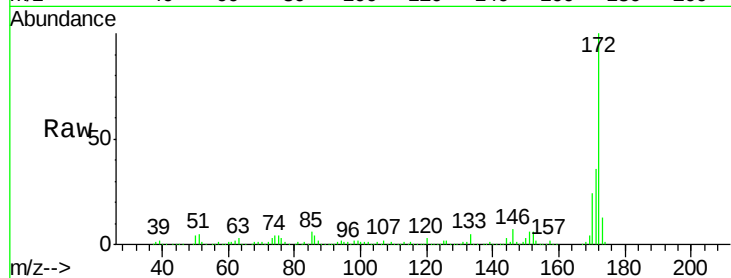




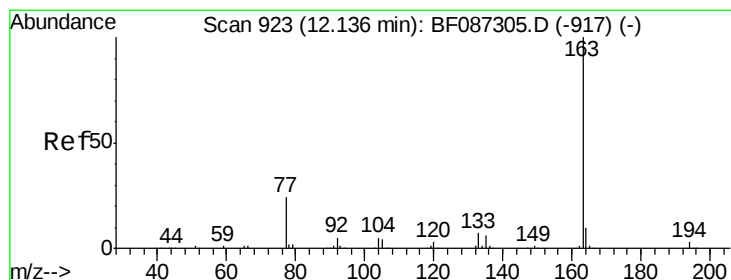
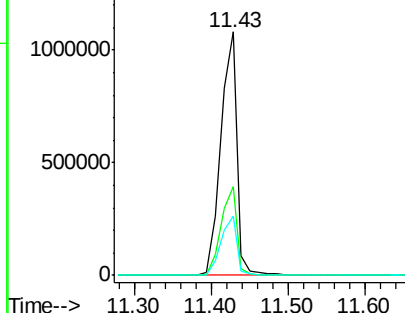
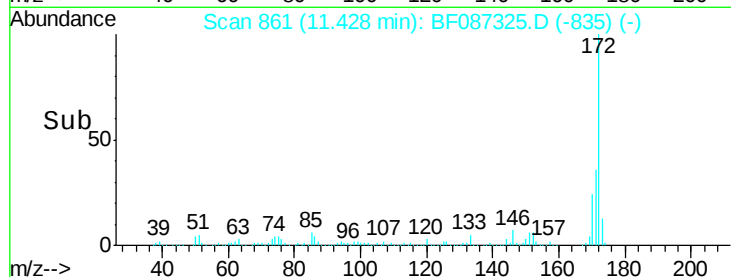
#44
 2-Fluorobiphenyl
 Concen: 96.26 ng
 RT: 11.43 min Scan# 861
 Delta R.T. 0.00 min
 Lab File: BF087325.D
 Acq: 24 May 2016 5:37

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GTMW-5

Tgt Ion:172 Resp: 1604406
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.0 43.6
 170 24.3 19.8 29.8

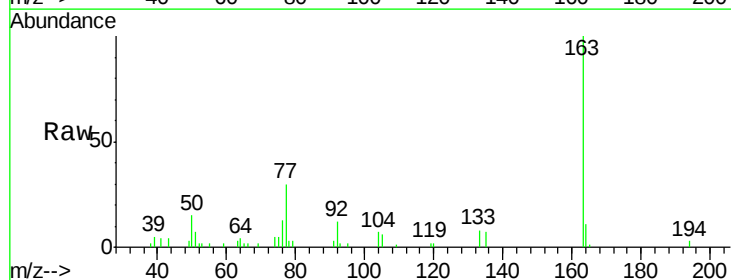


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

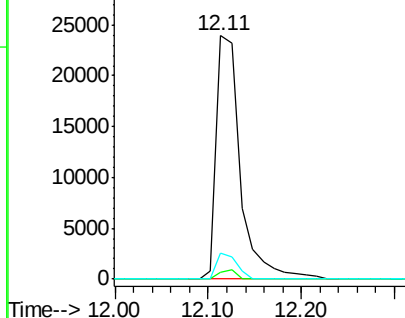
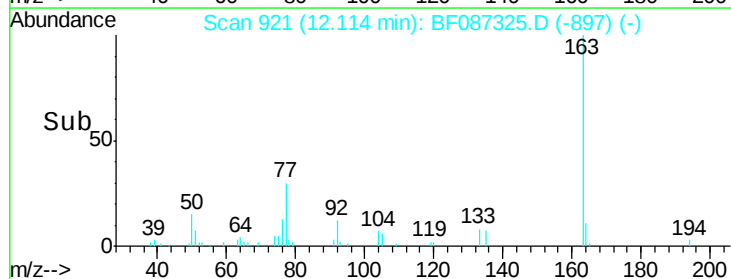


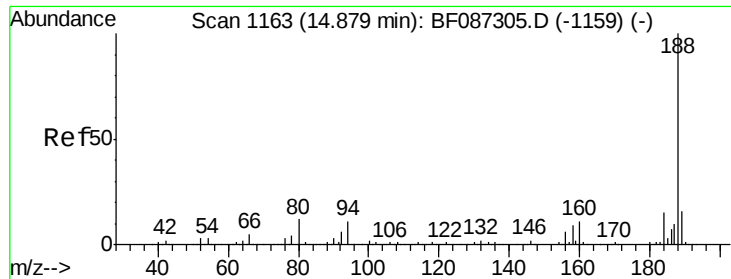
#49
 Dimethylphthalate
 Concen: 2.29 ng
 RT: 12.11 min Scan# 921
 Delta R.T. -0.02 min
 Lab File: BF087325.D
 Acq: 24 May 2016 5:37

Tgt Ion:163 Resp: 43013
 Ion Ratio Lower Upper
 163 100
 194 2.9 2.6 4.0
 164 10.7 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

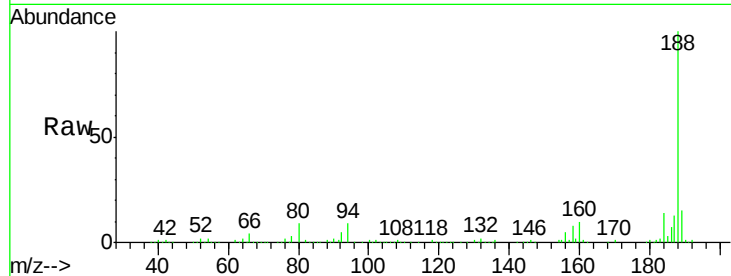




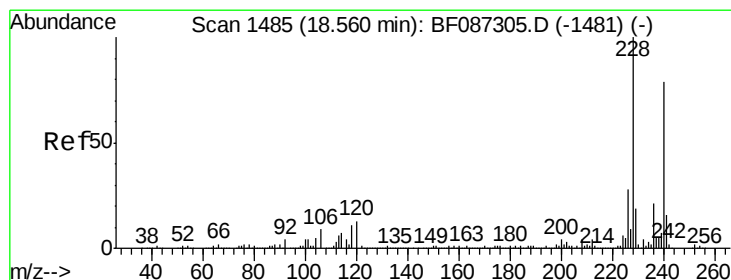
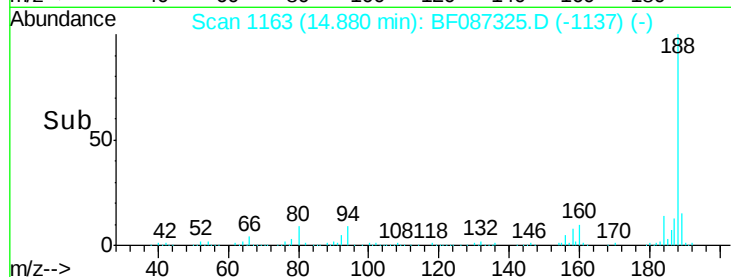
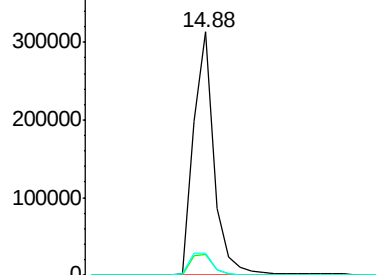
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.88 min Scan# 1163
Delta R.T. 0.00 min
Lab File: BF087325.D
Acq: 24 May 2016 5:37

Instrument :
BNA_F
ClientSampleId :
RAV-GTMW-5

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.8	10.2
80	9.0	7.1	10.7

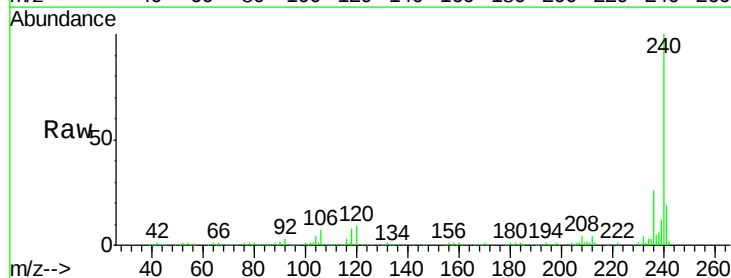


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

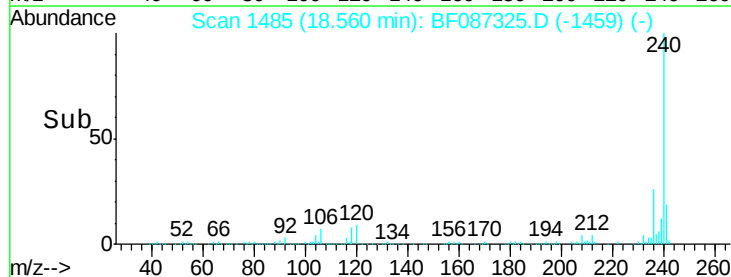
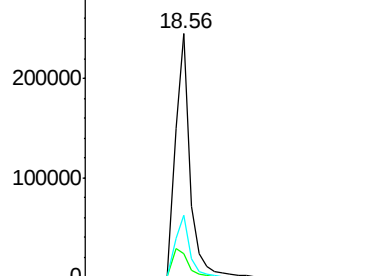


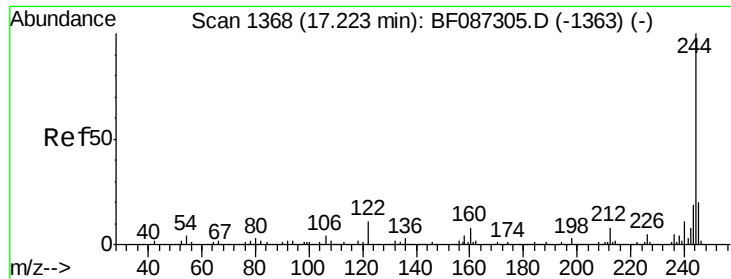
#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.56 min Scan# 1485
Delta R.T. 0.00 min
Lab File: BF087325.D
Acq: 24 May 2016 5:37

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.5	11.2	16.8#
236	25.6	21.2	31.8



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: 85.56 ng

RT: 17.21 min Scan# 1367

Delta R.T. -0.01 min

Lab File: BF087325.D

Acq: 24 May 2016 5:37

Instrument :

BNA_F

ClientSampleId :

RAV-GTMW-5

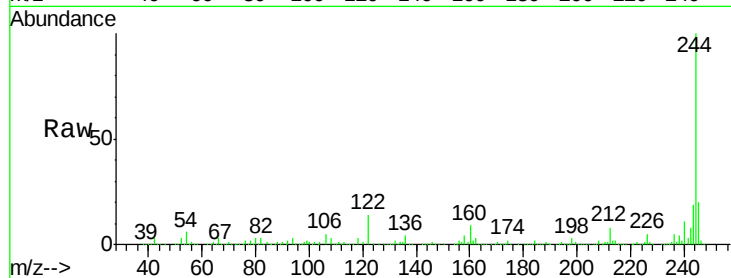
Tgt Ion:244 Resp: 1440410

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

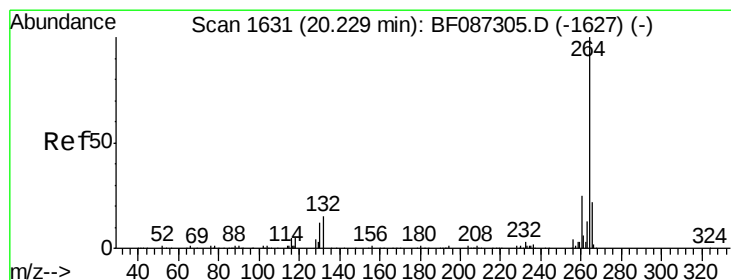
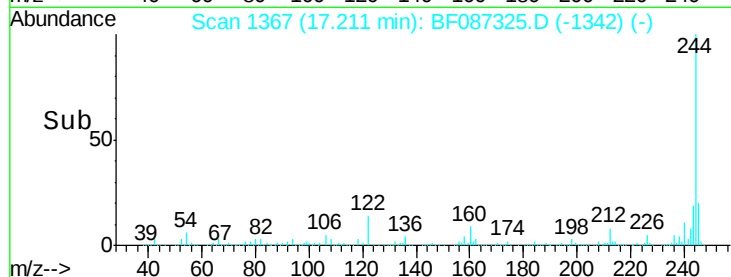
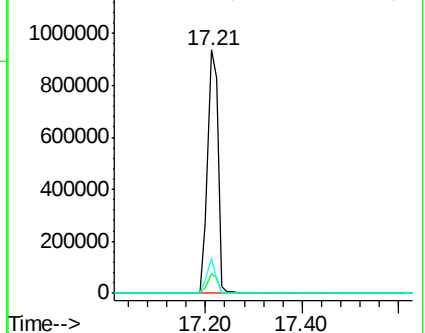
122 14.1 12.0 18.0



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: 20.23 min Scan# 1631

Delta R.T. 0.00 min

Lab File: BF087325.D

Acq: 24 May 2016 5:37

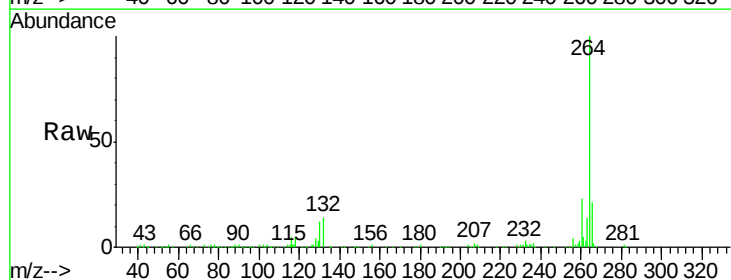
Tgt Ion:264 Resp: 270061

Ion Ratio Lower Upper

264 100

260 23.4 19.5 29.3

265 20.7 17.3 25.9



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

