

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052516\
 Data File : BF087393.D
 Acq On : 26 May 2016 3:37
 Operator : UM/SJ
 Sample : H3212-06
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VE1-4

Quant Time: May 26 04:23:21 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 16:26:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	112352	20.00	ng	0.00
21) Naphthalene-d8	9.55	136	426924	20.00	ng	0.00
38) Acenaphthene-d10	12.39	164	167914	20.00	ng	0.00
63) Phenanthrene-d10	14.79	188	265591	20.00	ng	0.01
75) Chrysene-d12	18.48	240	229386	20.00	ng	0.00
86) Perylene-d12	20.15	264	160912	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	498121	77.90	ng	0.02
7) Phenol-d6	7.10	99	432539	50.06	ng	0.02
23) Nitrobenzene-d5	8.44	82	887835	104.81	ng	0.00
41) 2,4,6-Tribromophenol	13.69	330	222181	137.69	ng	0.01
44) 2-Fluorobiphenyl	11.34	172	1260384	105.82	ng	0.00
78) Terphenyl-d14	17.14	244	784151	72.68	ng	0.01

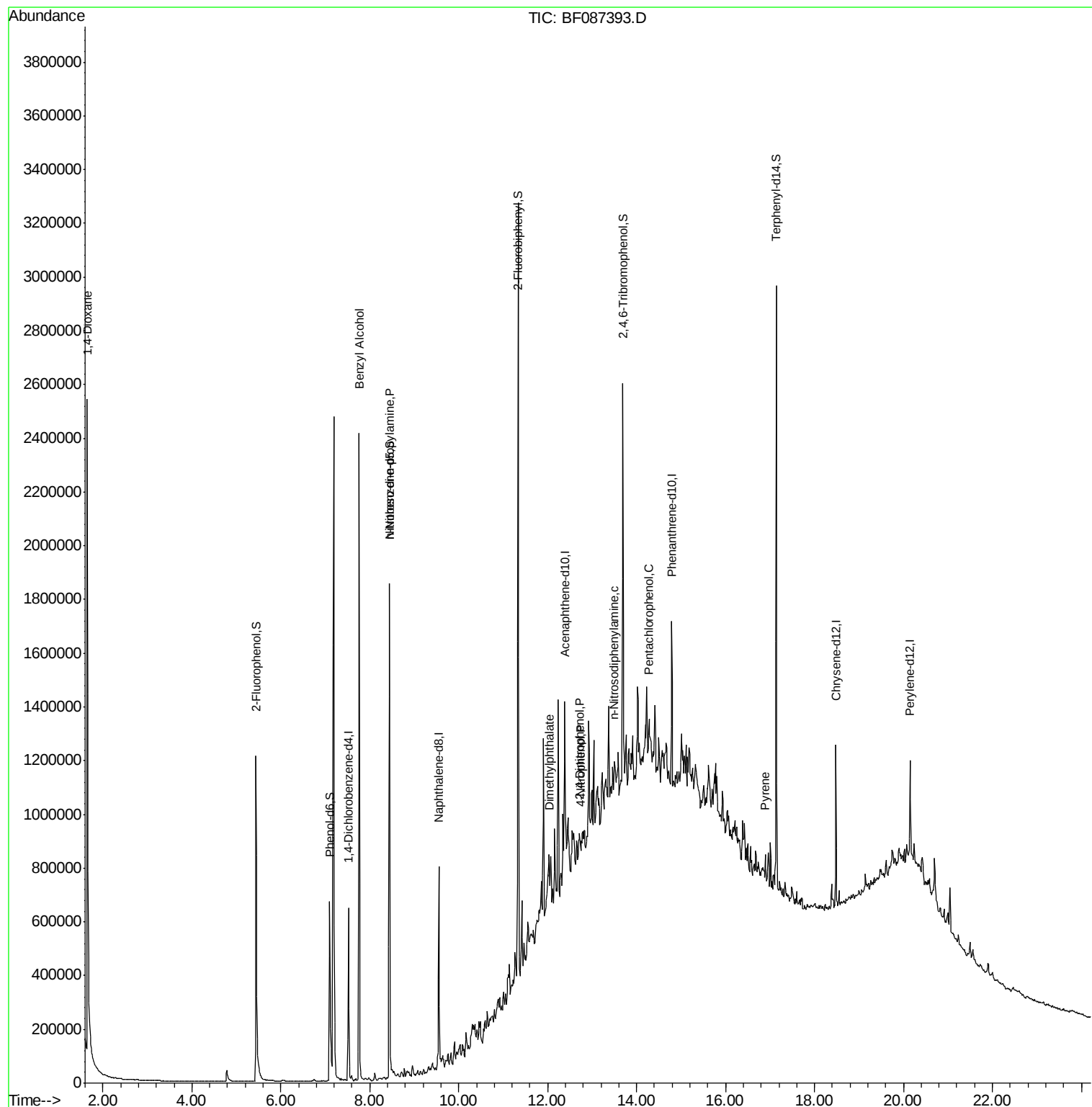
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.64	88	83831	24.85	ng	# 22
15) Benzyl Alcohol	7.76	79	15465	2.46	ng	# 39
19) n-Nitroso-di-n-propylamine	8.44	70	127562	19.80	ng	# 77
49) Dimethylphthalate	12.03	163	41833	3.11	ng	# 91
53) 2,4-Dinitrophenol	12.73	184	267	6.72	ng	# 1
55) 4-Nitrophenol	12.74	139	5037	3.80	ng	# 1
65) n-Nitrosodiphenylamine	13.50	169	35400	4.12	ng	# 44
69) Pentachlorophenol	14.29	266	887	7.04	ng	# 17
77) Pyrene	16.89	202	45487	2.75	ng	# 91

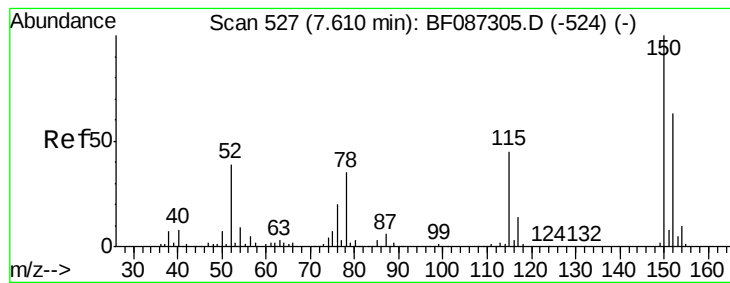
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.52 min Scan# 519

Delta R.T. 0.00 min

Lab File: BF087393.D

Acq: 26 May 2016 3:37

Instrument :

BNA_F

ClientSampleId :

VE1-4

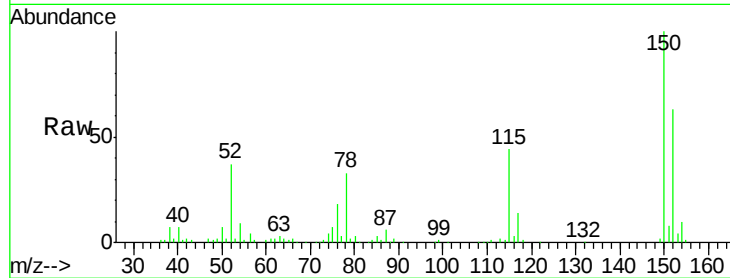
Tgt Ion:152 Resp: 112352

Ion Ratio Lower Upper

152 100

150 157.7 125.8 188.6

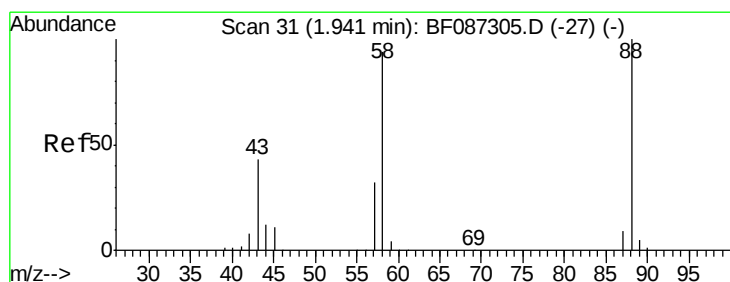
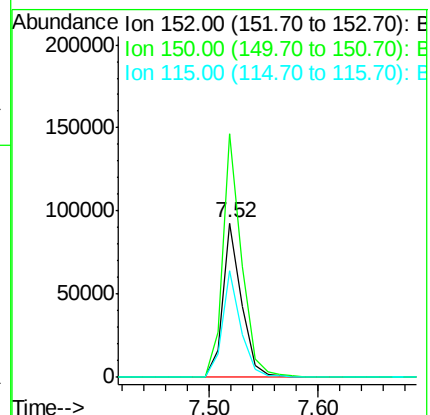
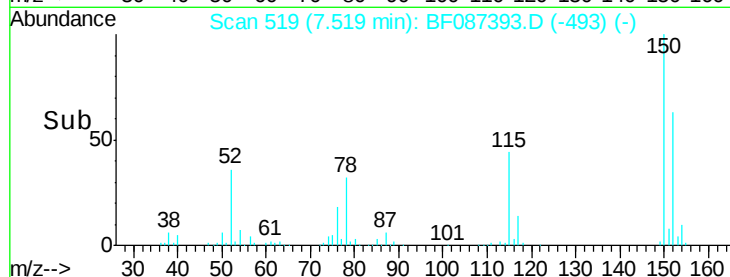
115 69.3 51.5 77.3



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: 24.85 ng

RT: 1.64 min Scan# 5

Delta R.T. -0.17 min

Lab File: BF087393.D

Acq: 26 May 2016 3:37

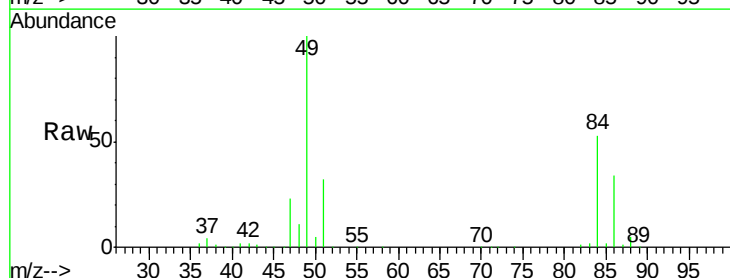
Tgt Ion: 88 Resp: 83831

Ion Ratio Lower Upper

88 100

58 0.0 59.6 89.4#

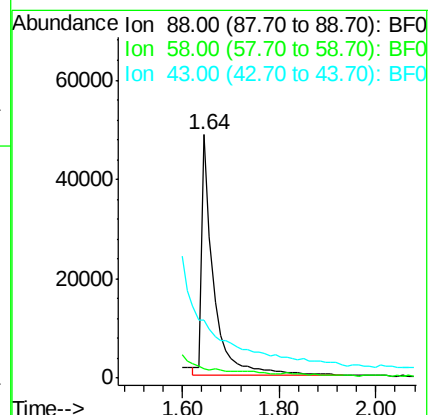
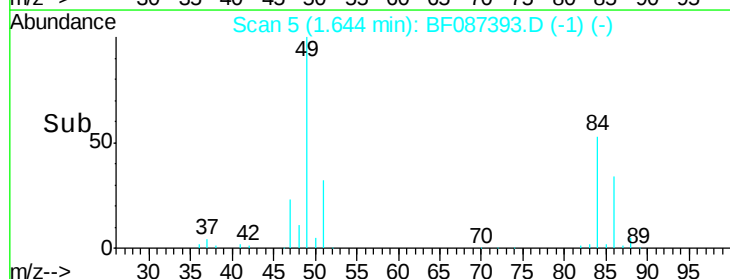
43 0.0 21.8 32.6#



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: 77.90 ng

RT: 5.44 min Scan# 337

Delta R.T. 0.02 min

Lab File: BF087393.D

Acq: 26 May 2016 3:37

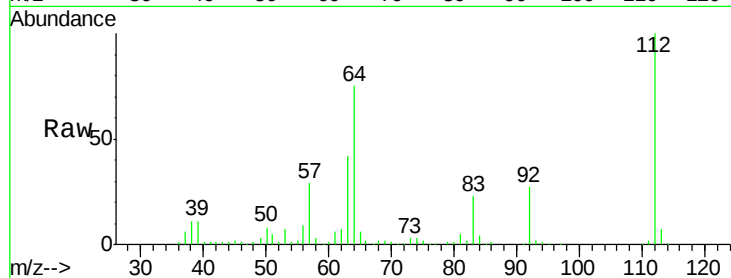
Instrument :

BNA_F

ClientSampleId :

VE1-4

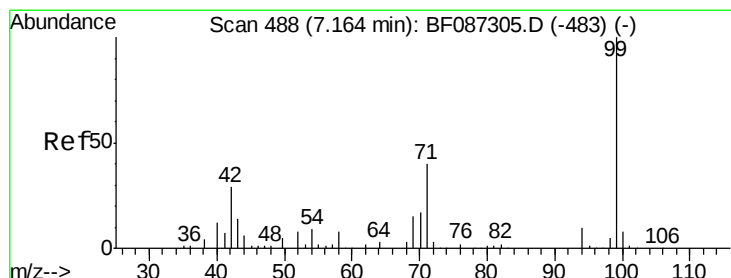
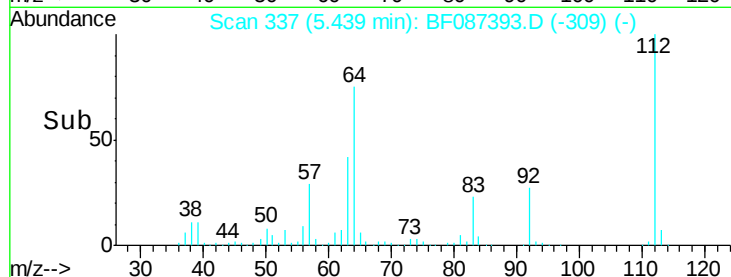
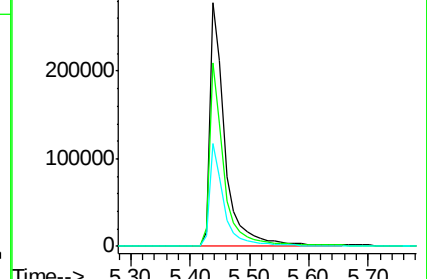
Tgt Ion:	112	Resp:	498121
Ion Ratio	Lower	Upper	
112	100		
64	75.2	52.1	78.1
63	42.0	25.7	38.5#



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: 50.06 ng

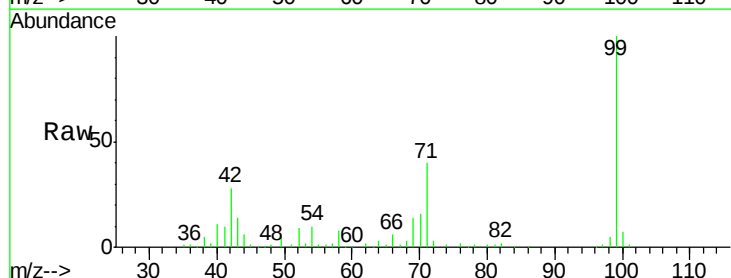
RT: 7.10 min Scan# 482

Delta R.T. 0.02 min

Lab File: BF087393.D

Acq: 26 May 2016 3:37

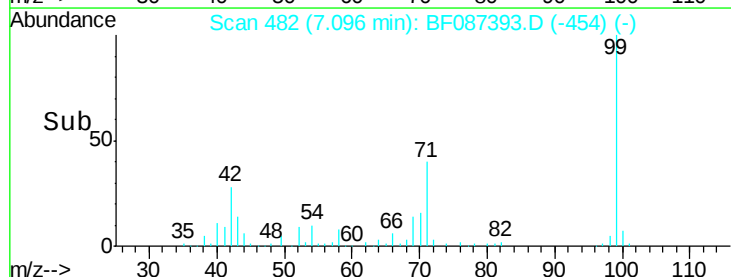
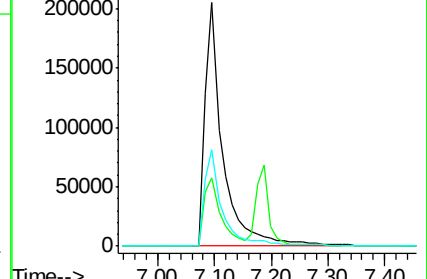
Tgt Ion:	99	Resp:	432539
Ion Ratio	Lower	Upper	
99	100		
42	28.2	13.6	20.4#
71	39.8	24.6	36.8#

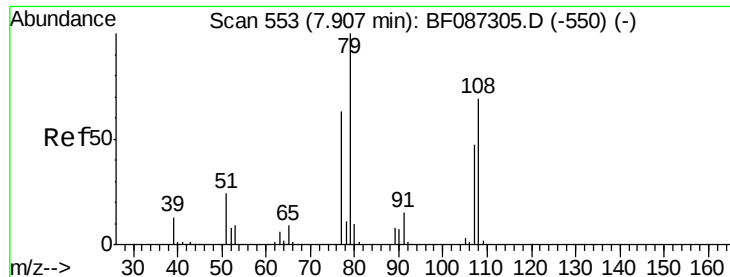


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#15

Benzyl Alcohol

Concen: 2.46 ng

RT: 7.76 min Scan# 540

Delta R.T. -0.06 min

Lab File: BF087393.D

Acq: 26 May 2016 3:37

Instrument :

BNA_F

ClientSampleId :

VE1-4

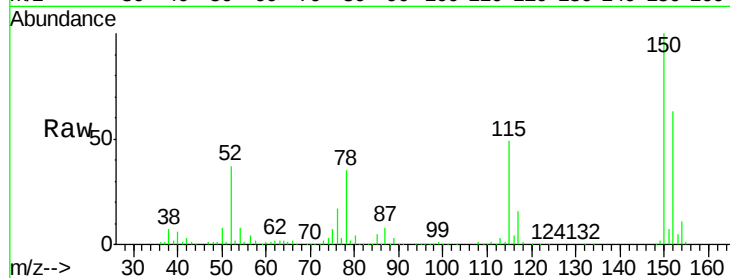
Tgt Ion: 79 Resp: 15465

Ion Ratio Lower Upper

79 100

108 28.6 68.4 102.6#

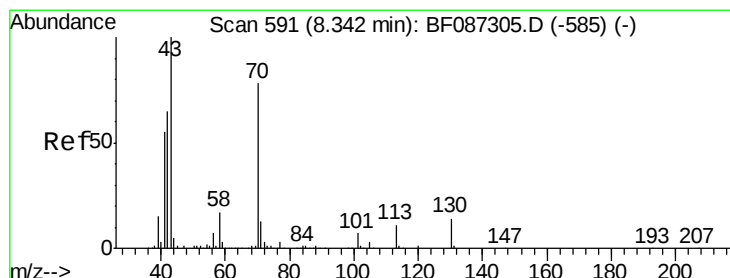
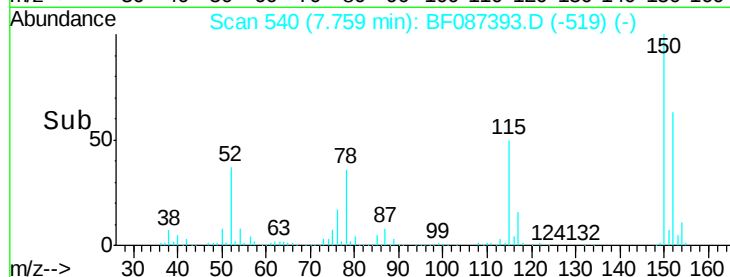
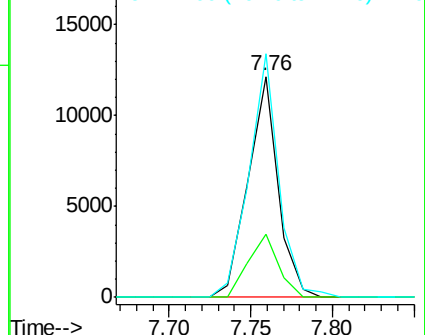
77 110.2 50.6 76.0#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 19.80 ng

RT: 8.44 min Scan# 600

Delta R.T. 0.19 min

Lab File: BF087393.D

Acq: 26 May 2016 3:37

Tgt Ion: 70 Resp: 127562

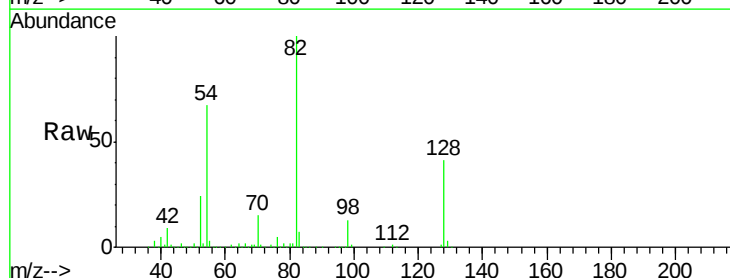
Ion Ratio Lower Upper

70 100

42 63.2 43.1 64.7

101 0.0 8.1 12.1#

130 2.0 18.6 28.0#

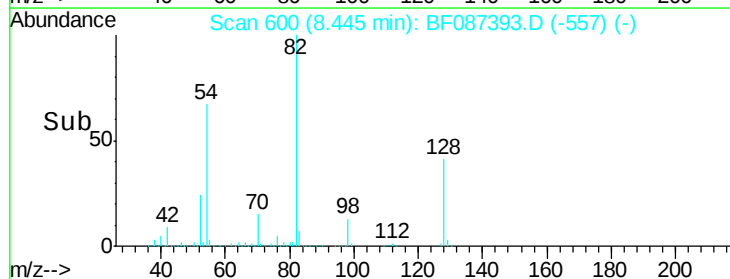
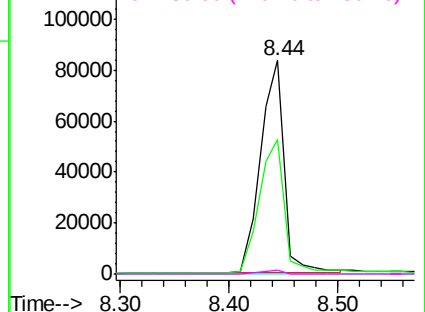


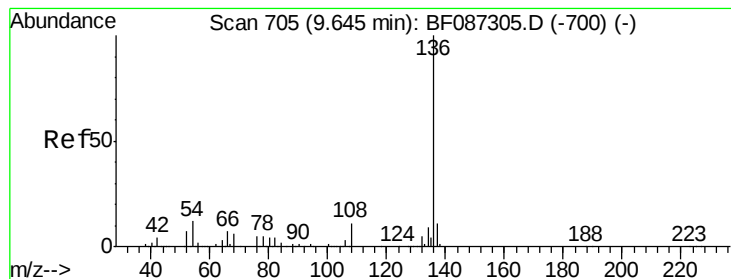
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.55 min Scan# 697

Delta R.T. 0.00 min

Lab File: BF087393.D

Acq: 26 May 2016 3:37

Instrument :

BNA_F

ClientSampleId :

VE1-4

Tgt Ion:136 Resp: 426924

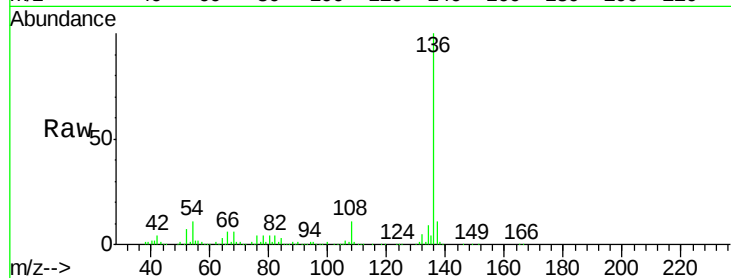
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 10.8 5.0 7.4#

68 5.5 4.4 6.6

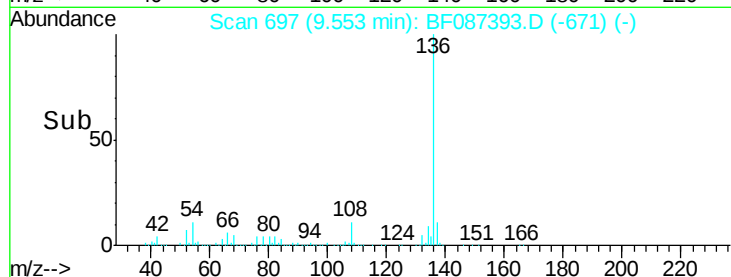


Abundance Ion 136.00 (135.70 to 136.70): E

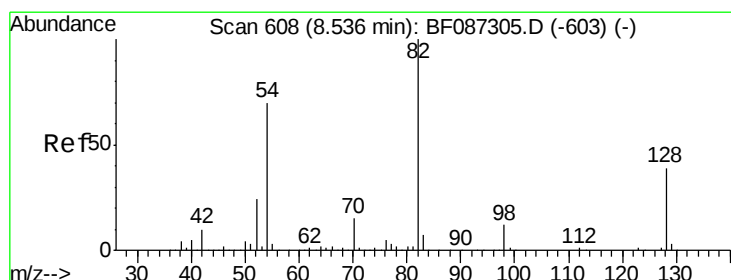
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 104.81 ng

RT: 8.44 min Scan# 600

Delta R.T. 0.00 min

Lab File: BF087393.D

Acq: 26 May 2016 3:37

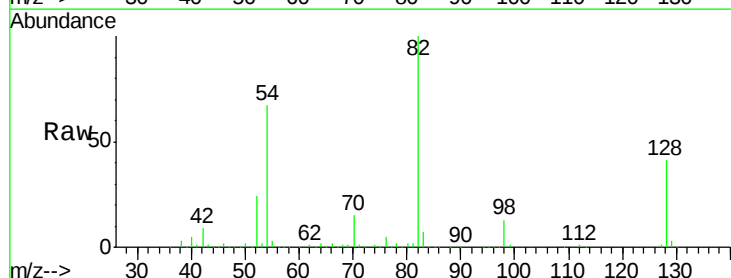
Tgt Ion: 82 Resp: 887835

Ion Ratio Lower Upper

82 100

128 41.2 40.6 61.0

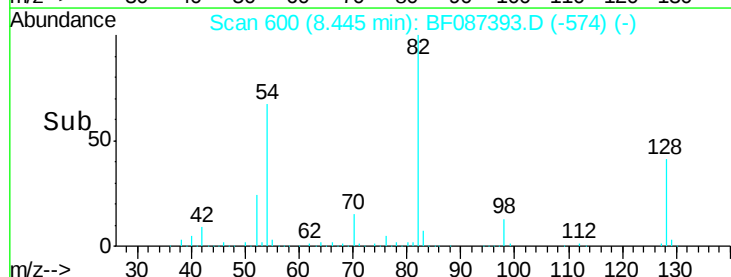
54 67.2 38.1 57.1#



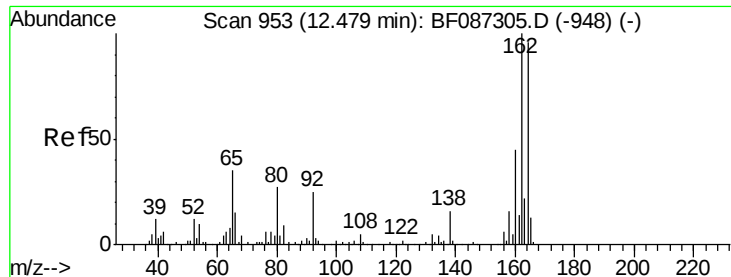
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



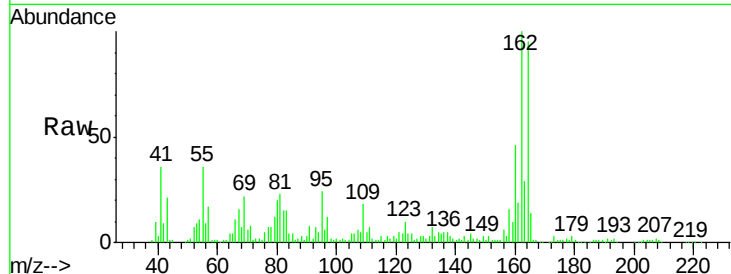
Time-->



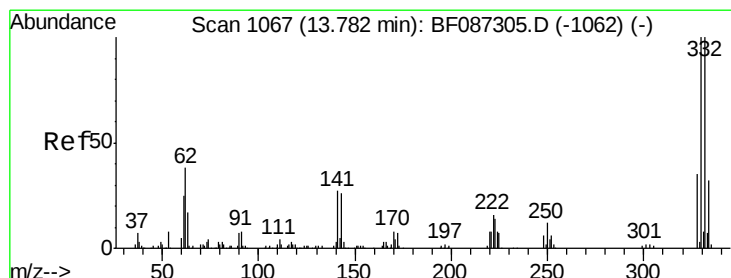
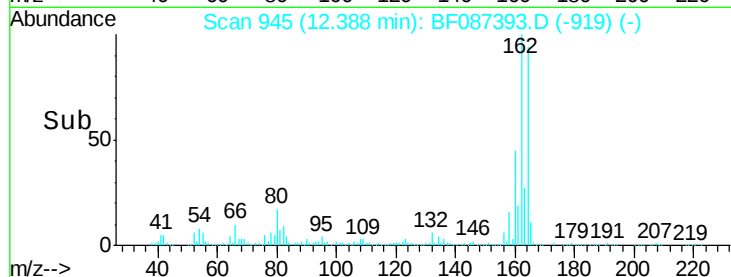
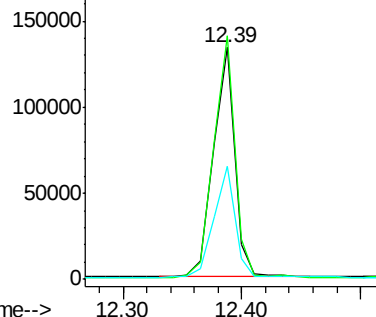
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.39 min Scan# 945
Delta R.T. 0.00 min
Lab File: BF087393.D
Acq: 26 May 2016 3:37

Instrument :
BNA_F
ClientSampleId :
VE1-4

Tgt Ion:164 Resp: 167914
Ion Ratio Lower Upper
164 100
162 105.2 82.8 124.2
160 48.6 36.9 55.3

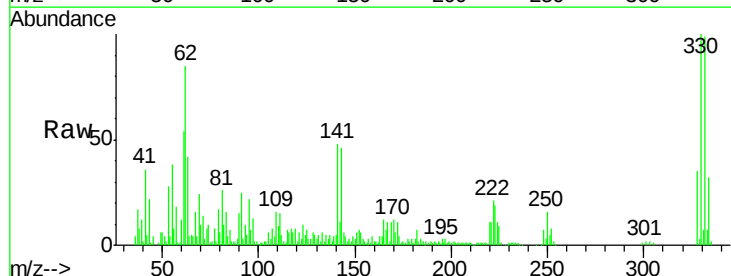


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

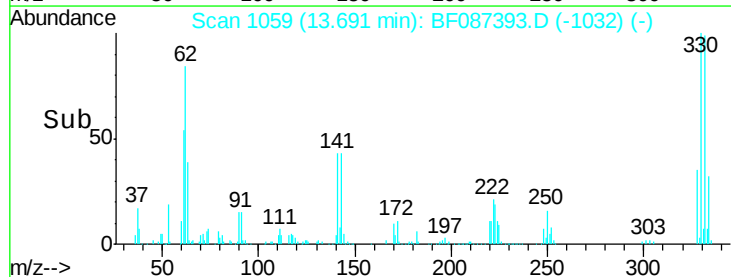
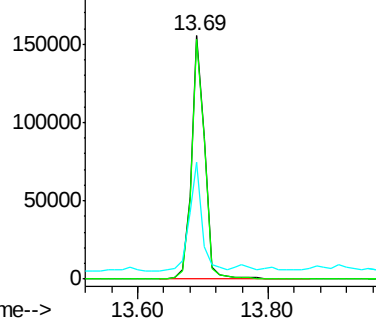


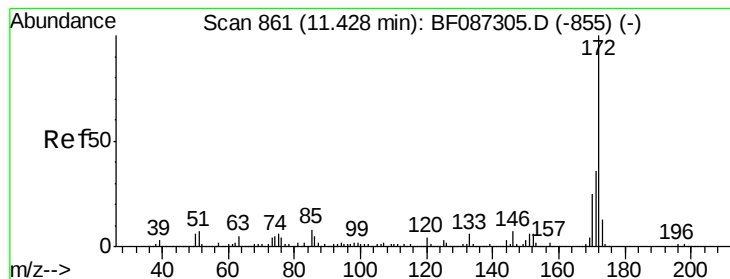
#41
2,4,6-Tribromophenol
Concen: 137.69 ng
RT: 13.69 min Scan# 1059
Delta R.T. 0.01 min
Lab File: BF087393.D
Acq: 26 May 2016 3:37

Tgt Ion:330 Resp: 222181
Ion Ratio Lower Upper
330 100
332 97.9 79.0 118.4
141 42.7 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

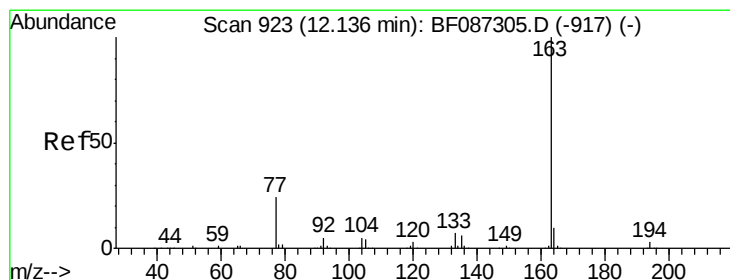
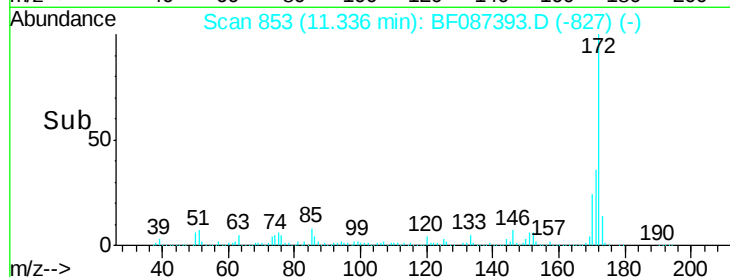
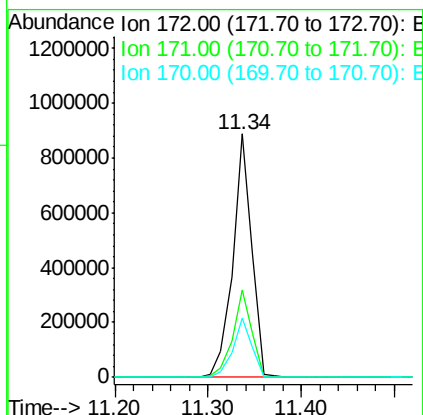
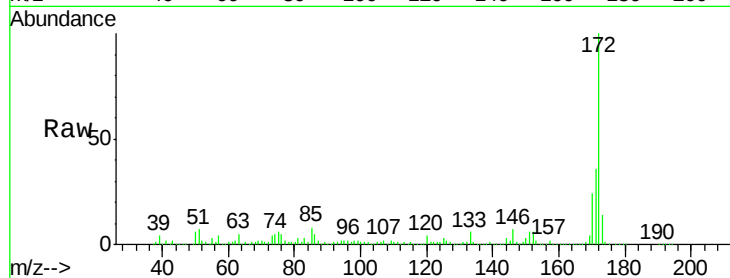




#44
 2-Fluorobiphenyl
 Concen: 105.82 ng
 RT: 11.34 min Scan# 853
 Delta R.T. 0.00 min
 Lab File: BF087393.D
 Acq: 26 May 2016 3:37

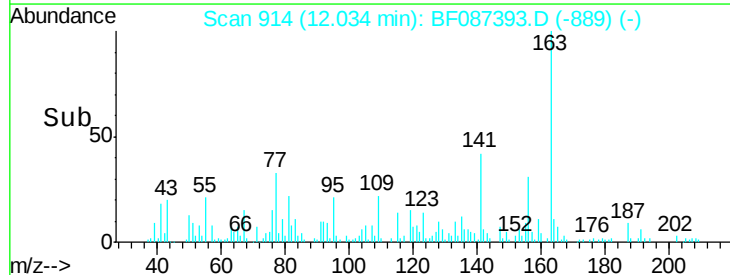
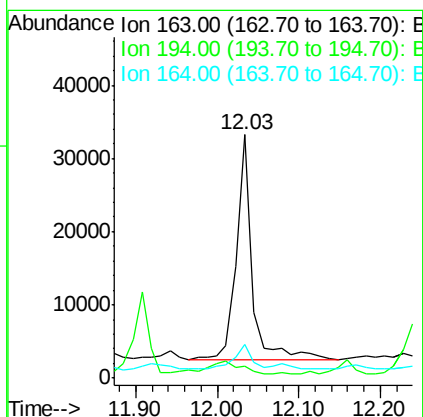
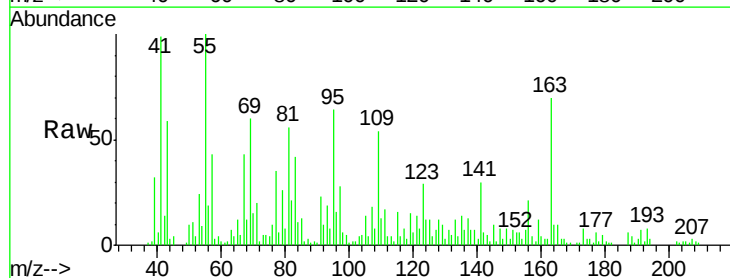
Instrument :
 BNA_F
 ClientSampleId :
 VE1-4

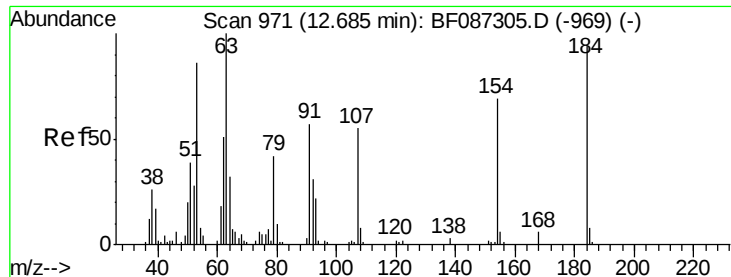
Tgt Ion:172 Resp: 1260384
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.0 43.6
 170 24.4 19.8 29.8



#49
 Dimethylphthalate
 Concen: 3.11 ng
 RT: 12.03 min Scan# 914
 Delta R.T. -0.01 min
 Lab File: BF087393.D
 Acq: 26 May 2016 3:37

Tgt Ion:163 Resp: 41833
 Ion Ratio Lower Upper
 163 100
 194 4.7 2.6 4.0#
 164 14.1 8.2 12.4#





#53

2,4-Dinitrophenol

Concen: 6.72 ng

RT: 12.73 min Scan# 975

Delta R.T. 0.14 min

Lab File: BF087393.D

Acq: 26 May 2016 3:37

Instrument :

BNA_F

ClientSampled :

VE1-4

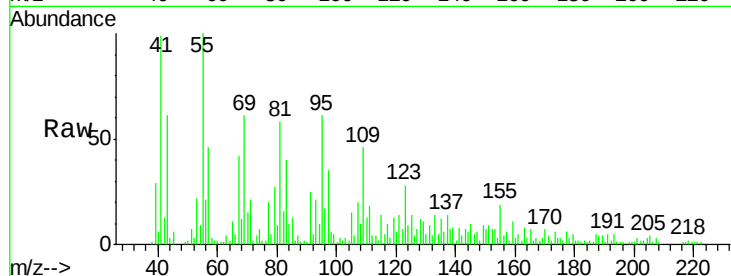
Tgt Ion:184 Resp: 267

Ion Ratio Lower Upper

184 100

63 533.2 55.8 83.8#

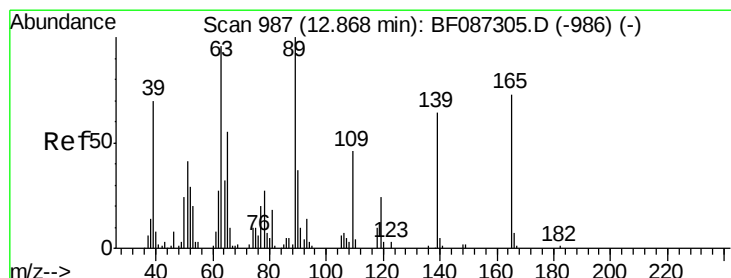
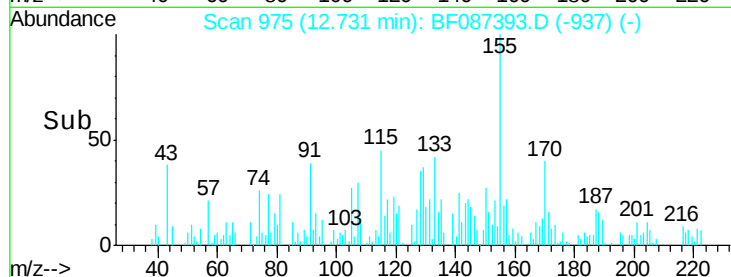
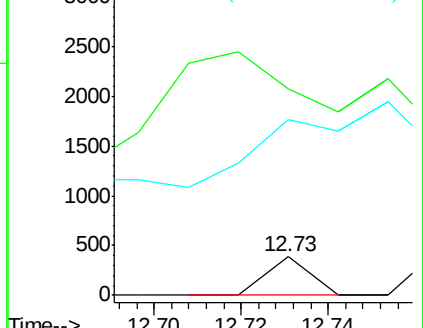
154 452.7 62.4 93.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E



#55

4-Nitrophenol

Concen: 3.80 ng

RT: 12.74 min Scan# 976

Delta R.T. -0.03 min

Lab File: BF087393.D

Acq: 26 May 2016 3:37

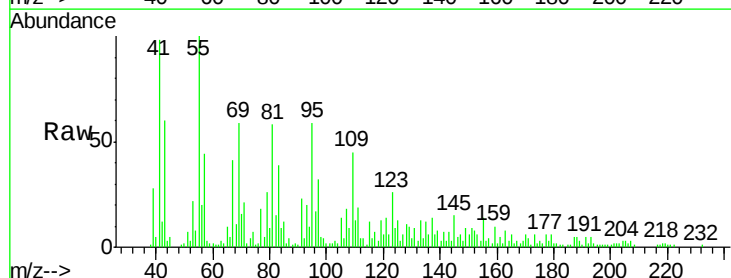
Tgt Ion:139 Resp: 5037

Ion Ratio Lower Upper

139 100

109 553.2 36.9 76.9#

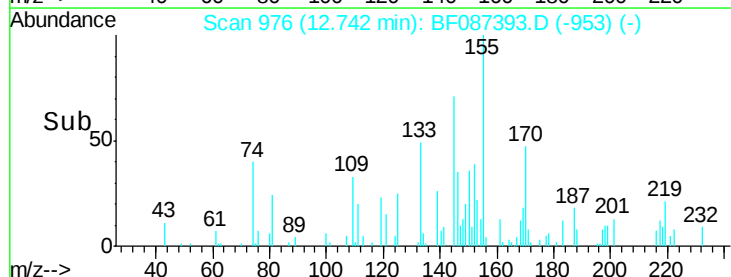
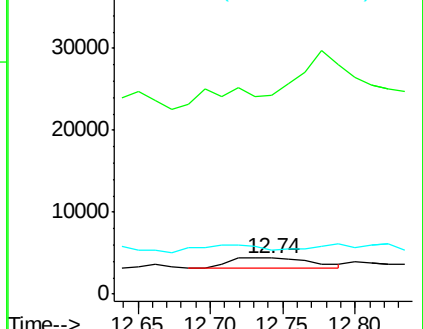
65 123.9 64.0 104.0#

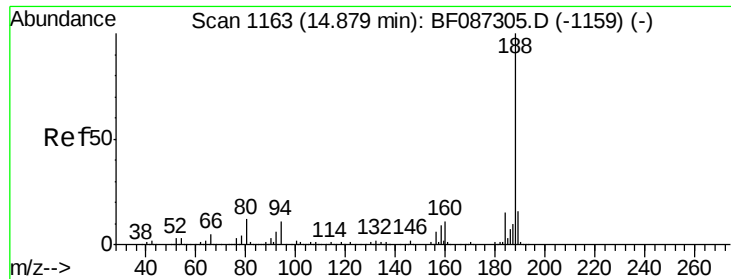


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

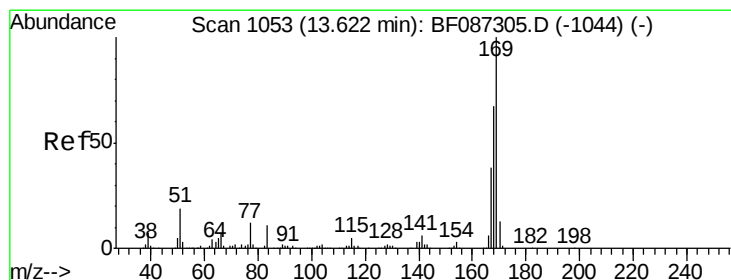
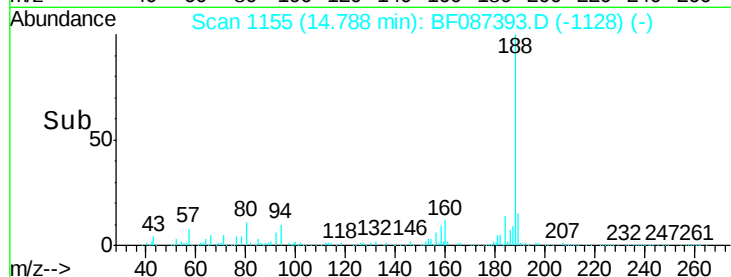
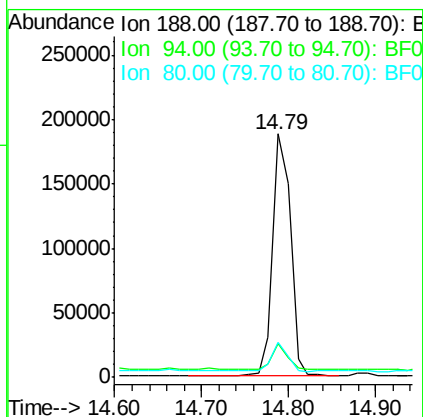
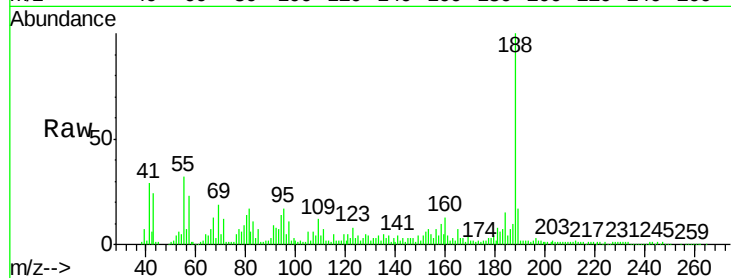




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.79 min Scan# 1155
Delta R.T. 0.01 min
Lab File: BF087393.D
Acq: 26 May 2016 3:37

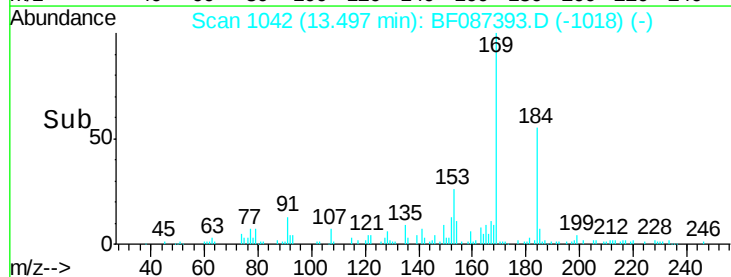
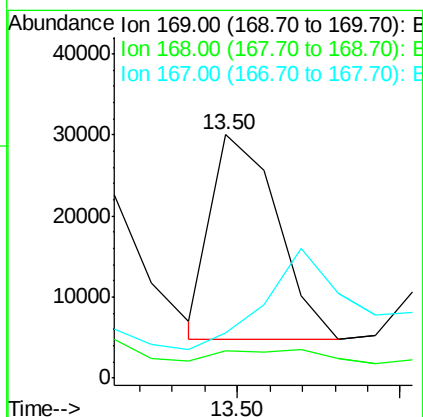
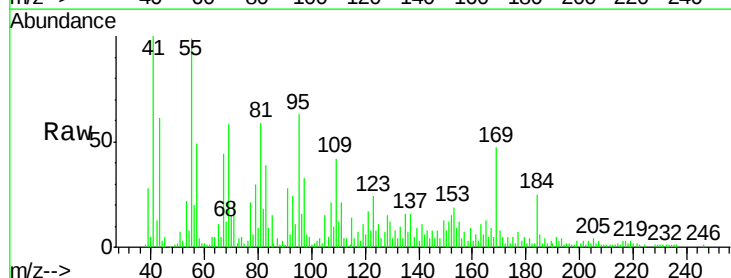
Instrument :
BNA_F
ClientSampleId :
VE1-4

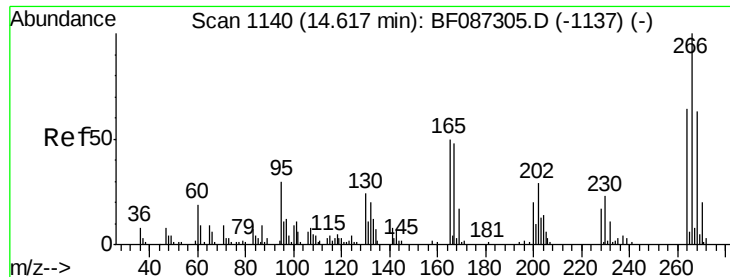
Tgt Ion:188 Resp: 265591
Ion Ratio Lower Upper
188 100
94 13.7 6.8 10.2#
80 14.1 7.1 10.7#



#65
n-Nitrosodiphenylamine
Concen: 4.12 ng
RT: 13.50 min Scan# 1042
Delta R.T. -0.02 min
Lab File: BF087393.D
Acq: 26 May 2016 3:37

Tgt Ion:169 Resp: 35400
Ion Ratio Lower Upper
169 100
168 11.4 53.8 80.6#
167 18.6 29.5 44.3#

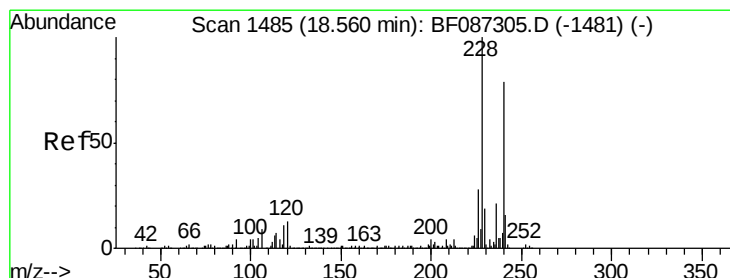
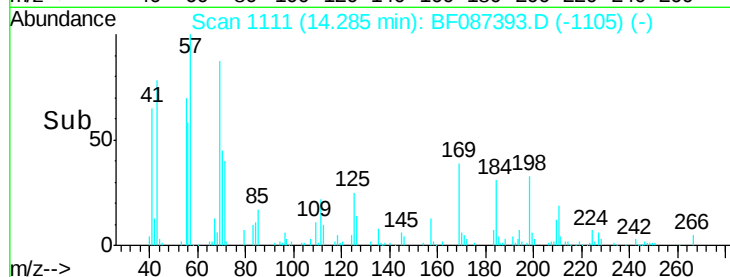
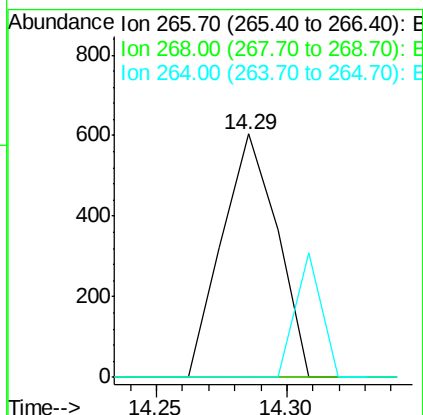
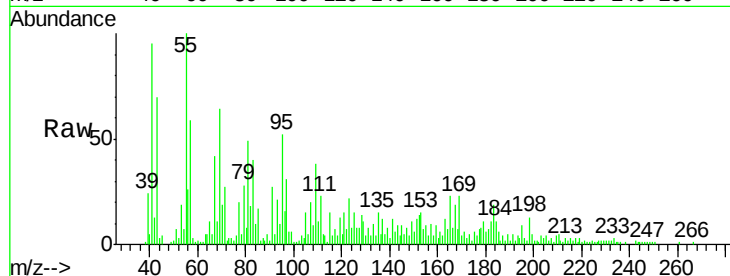




#69
 Pentachlorophenol
 Concen: 7.04 ng
 RT: 14.29 min Scan# 1111
 Delta R.T. -0.23 min
 Lab File: BF087393.D
 Acq: 26 May 2016 3:37

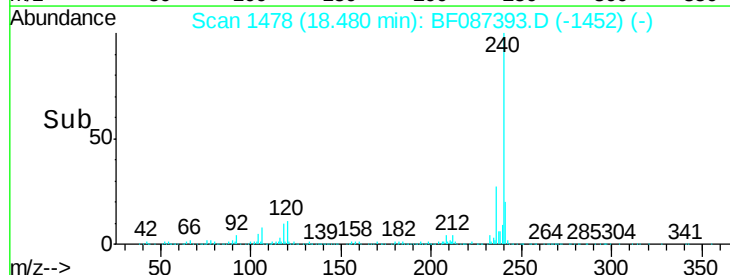
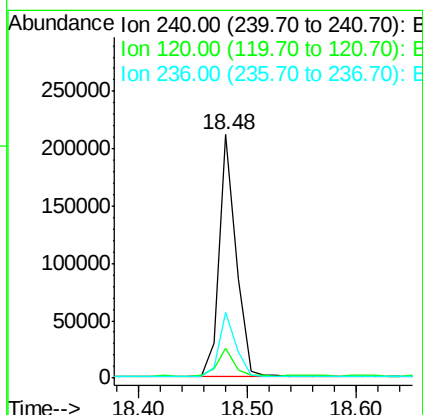
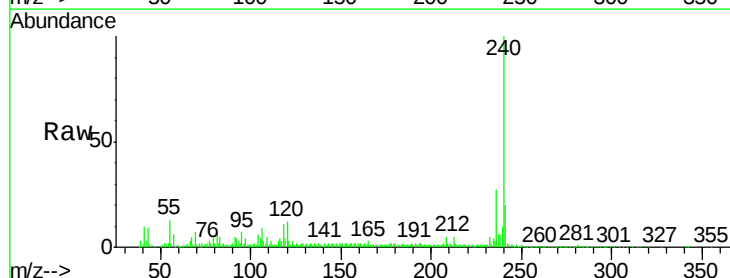
Instrument :
 BNA_F
 ClientSampleId :
 VE1-4

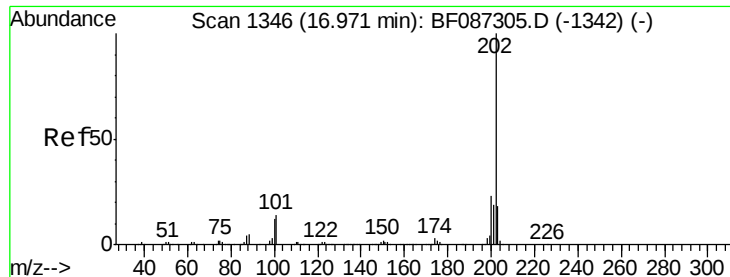
Tgt Ion: 266 Resp: 887
 Ion Ratio Lower Upper
 266 100
 268 0.0 51.5 77.3#
 264 0.0 52.9 79.3#



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.48 min Scan# 1478
 Delta R.T. 0.00 min
 Lab File: BF087393.D
 Acq: 26 May 2016 3:37

Tgt Ion: 240 Resp: 229386
 Ion Ratio Lower Upper
 240 100
 120 12.2 11.2 16.8
 236 27.2 21.2 31.8

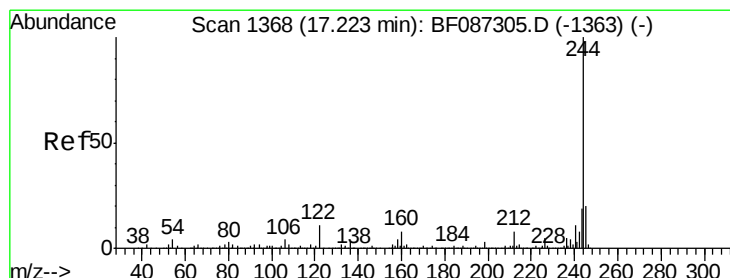
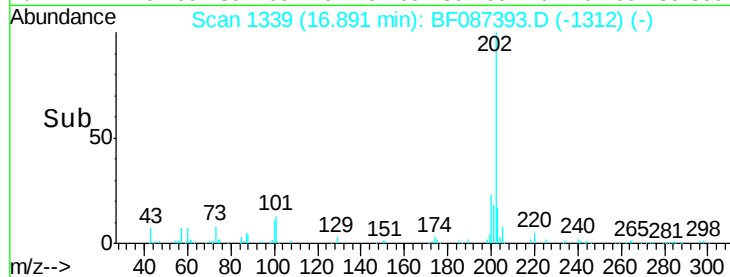
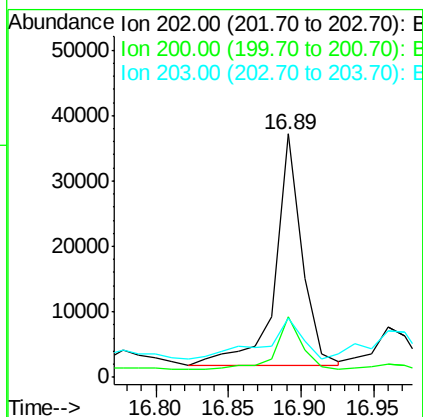
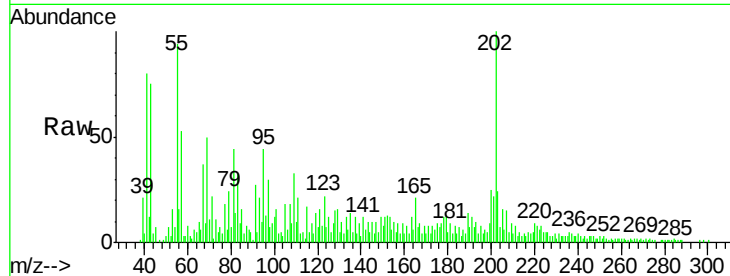




#77
 Pyrene
 Concen: 2.75 ng
 RT: 16.89 min Scan# 1339
 Delta R.T. 0.01 min
 Lab File: BF087393.D
 Acq: 26 May 2016 3:37

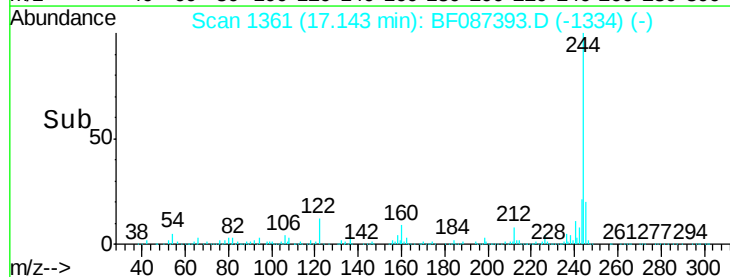
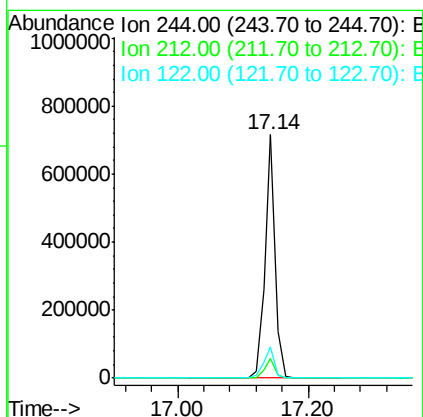
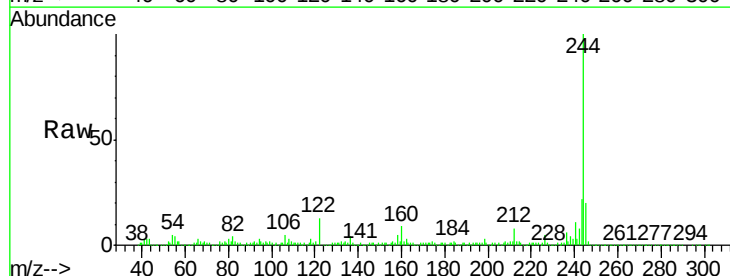
Instrument :
 BNA_F
 ClientSampleId :
 VE1-4

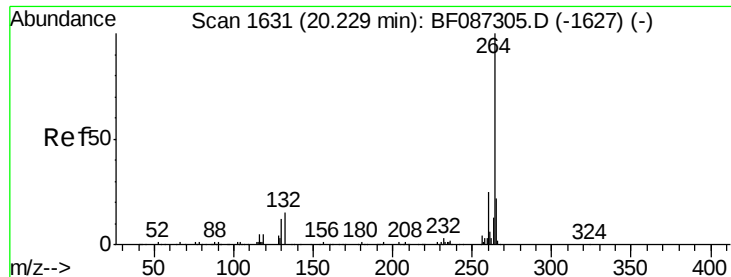
Tgt Ion: 202 Resp: 45487
 Ion Ratio Lower Upper
 202 100
 200 24.7 17.7 26.5
 203 24.1 14.2 21.4#



#78
 Terphenyl-d14
 Concen: 72.68 ng
 RT: 17.14 min Scan# 1361
 Delta R.T. 0.01 min
 Lab File: BF087393.D
 Acq: 26 May 2016 3:37

Tgt Ion: 244 Resp: 784151
 Ion Ratio Lower Upper
 244 100
 212 8.3 6.2 9.2
 122 12.8 12.0 18.0

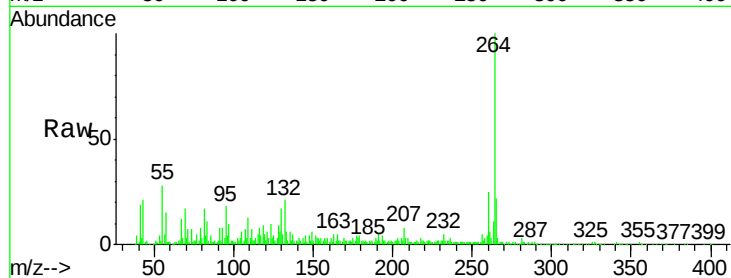




#86
Perylene-d12
Concen: 20.00 ng
RT: 20.15 min Scan# 1624
Delta R.T. 0.01 min
Lab File: BF087393.D
Acq: 26 May 2016 3:37

Instrument :
BNA_F
ClientSampleId :
VE1-4

Tgt Ion: 264 Resp: 160912
Ion Ratio Lower Upper
264 100
260 24.5 19.5 29.3
265 21.9 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

