

Data Path : Z:\HPCHEM1\BNA F\Data\BF052616\
 Data File : BF087409.D
 Acq On : 26 May 2016 15:28
 Operator : UM/SJ
 Sample : H3137-03
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 26 16:46:39 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

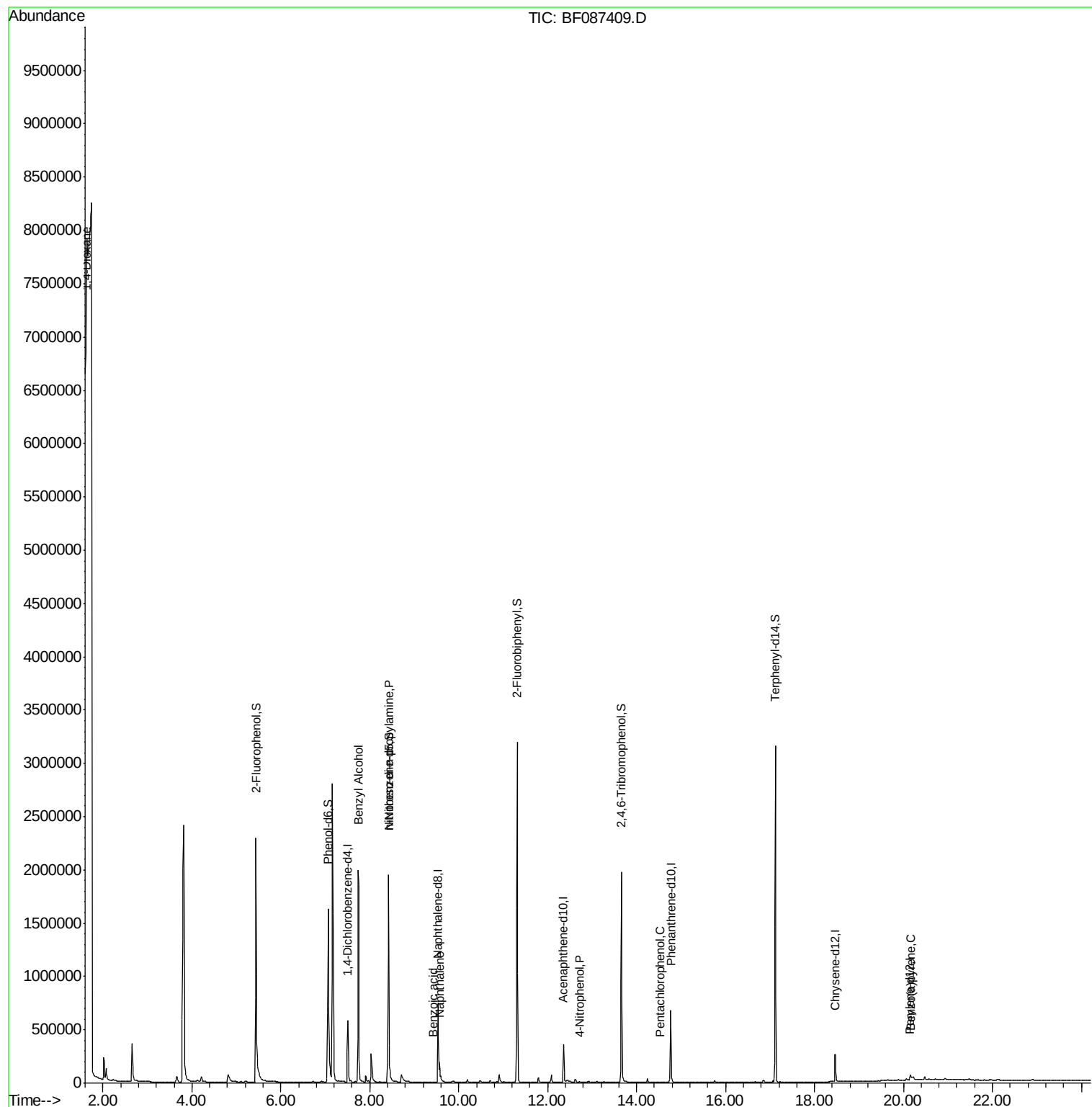
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	108809	20.00	ng	-0.01
21) Naphthalene-d8	9.53	136	438823	20.00	ng	-0.02
38) Acenaphthene-d10	12.35	164	103528	20.00	ng	-0.03
63) Phenanthrene-d10	14.77	188	327600	20.00	ng	-0.01
75) Chrysene-d12	18.46	240	83990	20.00	ng	-0.02
86) Perylene-d12	20.14	264	3292	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	866886	139.99	ng	0.02
7) Phenol-d6	7.06	99	713029	85.22	ng	-0.01
23) Nitrobenzene-d5	8.42	82	861299	98.92	ng	-0.02
41) 2,4,6-Tribromophenol	13.66	330	295469	296.99	ng	-0.02
44) 2-Fluorobiphenyl	11.31	172	1375504	187.31	ng	-0.02
78) Terphenyl-d14	17.12	244	965715	244.45	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	1.63	88	47714	14.60	ng	# 22
15) Benzyl Alcohol	7.74	79	15252	2.50	ng	# 44
19) n-Nitroso-di-n-propylamine	8.42	70	120772	19.35	ng	# 76
31) Naphthalene	9.56	128	121029	5.50	ng	98
32) Benzoic acid	9.42	122	4163	6.91	ng	90
55) 4-Nitrophenol	12.72	139	1829	2.24	ng	# 14
69) Pentachlorophenol	14.53	266	3179	8.70	ng	98
89) Benzo(a)pyrene	20.16	252	961	5.30	ng	# 1

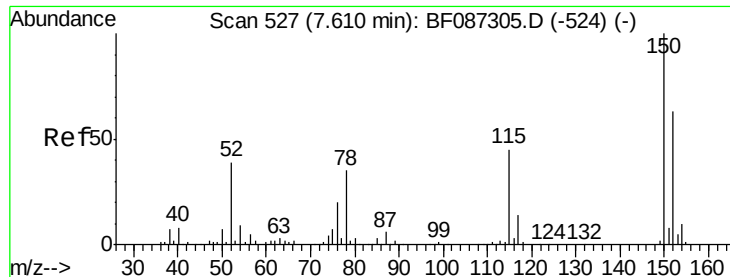
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.51 min Scan# 518

Delta R.T. -0.01 min

Lab File: BF087409.D

Acq: 26 May 2016 15:28

Instrument :

BNA_F

ClientSampleId :

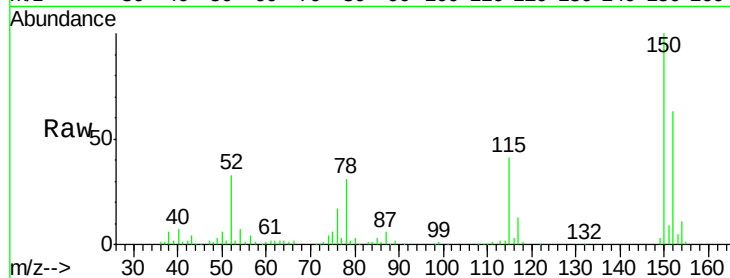
Tot Ion:152 Resp: 108809

Ion Ratio Lower Upper

152 100

150 158.0 125.8 188.6

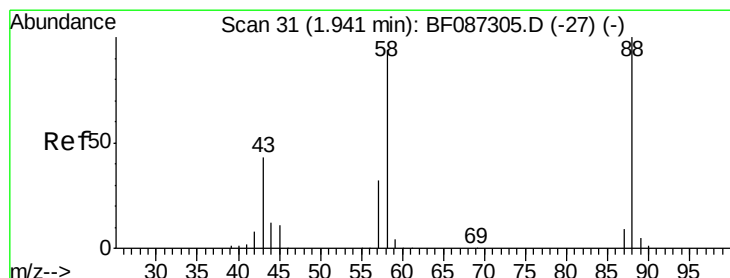
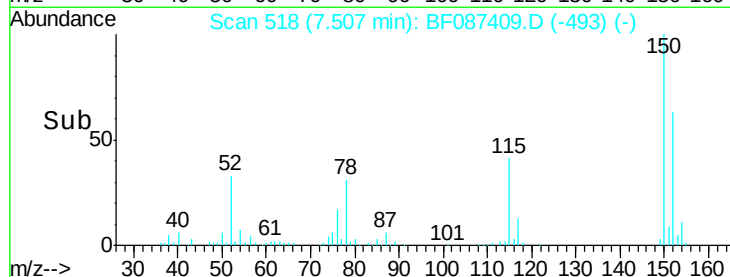
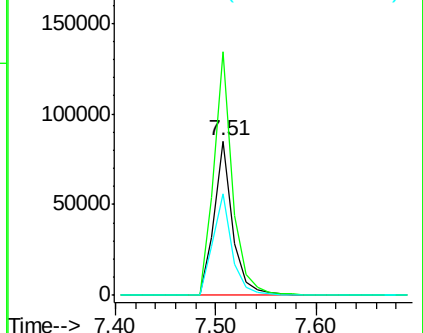
115 65.5 51.5 77.3



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: 14.60 ng

RT: 1.63 min Scan# 4

Delta R.T. -0.18 min

Lab File: BF087409.D

Acq: 26 May 2016 15:28

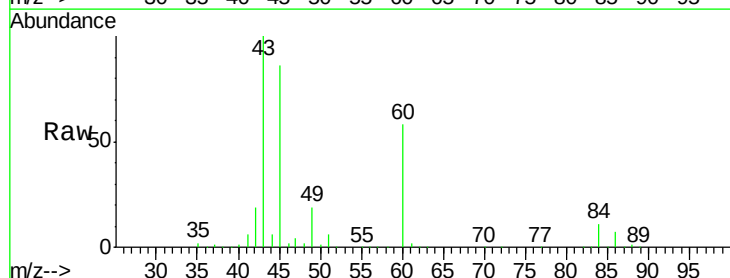
Tgt Ion: 88 Resp: 47714

Ion Ratio Lower Upper

88 100

58 0.0 59.6 89.4#

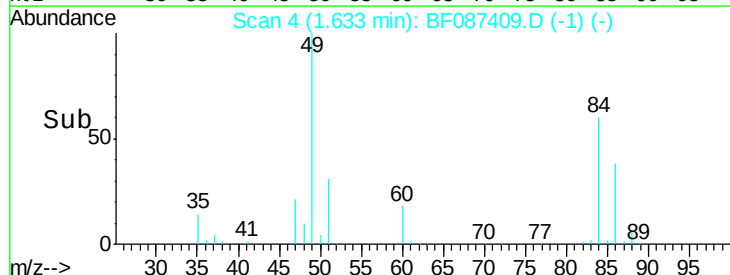
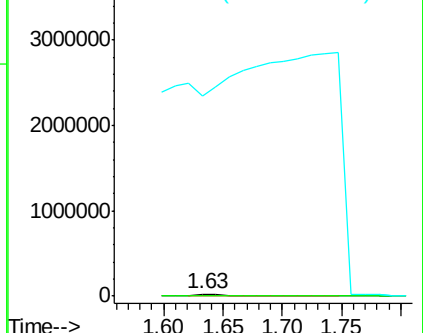
43 0.0 21.8 32.6#

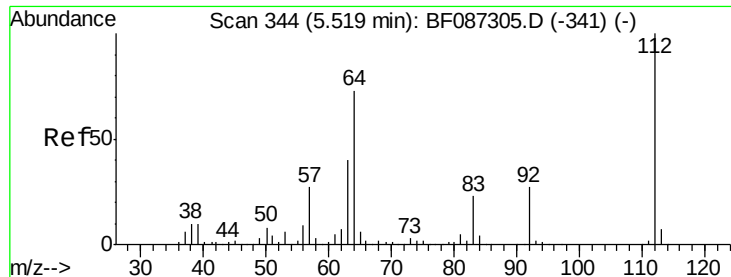


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 139.99 ng

RT: 5.44 min Scan# 337

Delta R.T. 0.02 min

Lab File: BF087409.D

Acq: 26 May 2016 15:28

Instrument :

BNA_F

ClientSampleId :

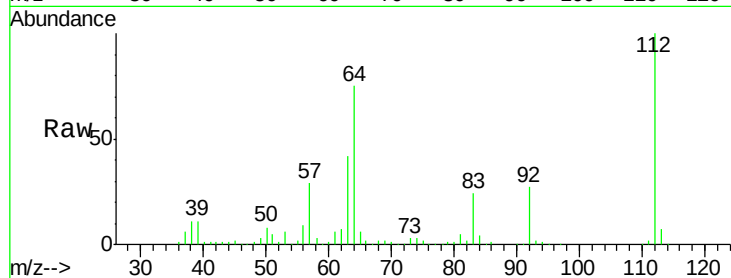
Tot Ion:112 Resp: 866886

Ion Ratio Lower Upper

112 100

64 75.2 52.1 78.1

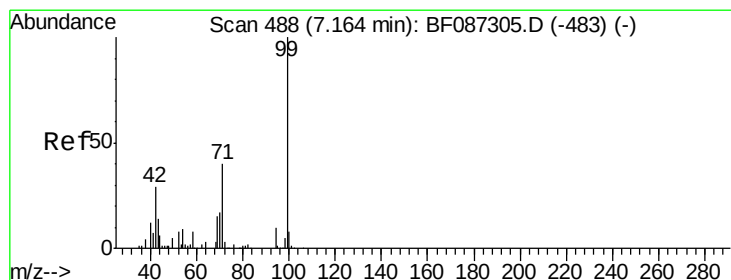
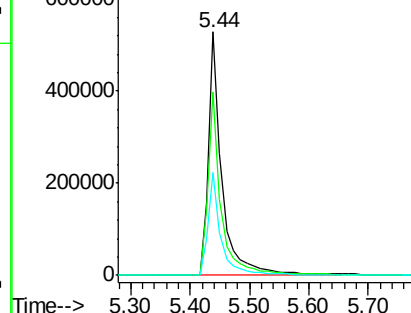
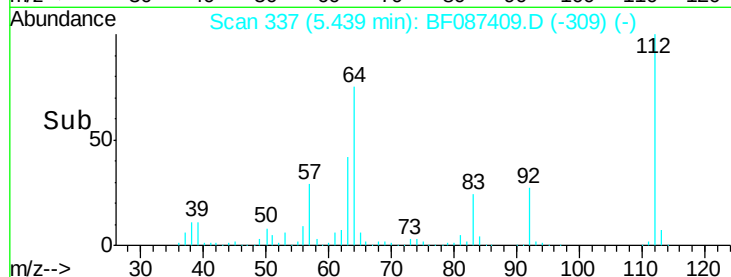
63 42.3 25.7 38.5#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 85.22 ng

RT: 7.06 min Scan# 479

Delta R.T. -0.01 min

Lab File: BF087409.D

Acq: 26 May 2016 15:28

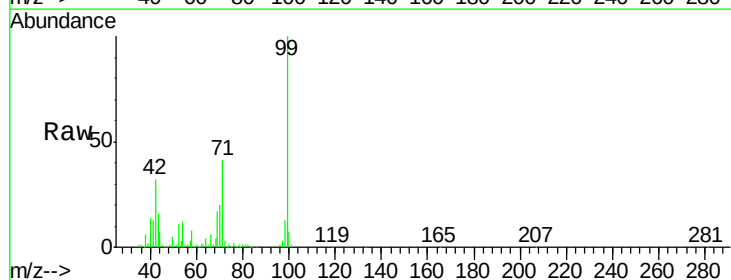
Tgt Ion: 99 Resp: 713029

Ion Ratio Lower Upper

99 100

42 31.6 13.6 20.4#

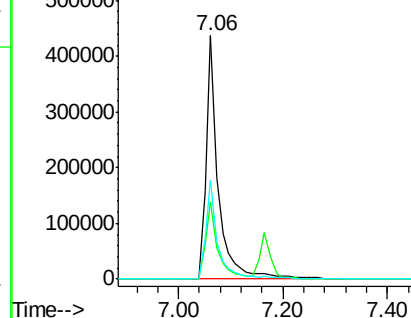
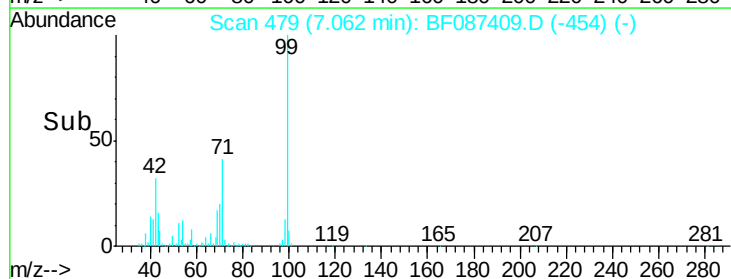
71 40.8 24.6 36.8#

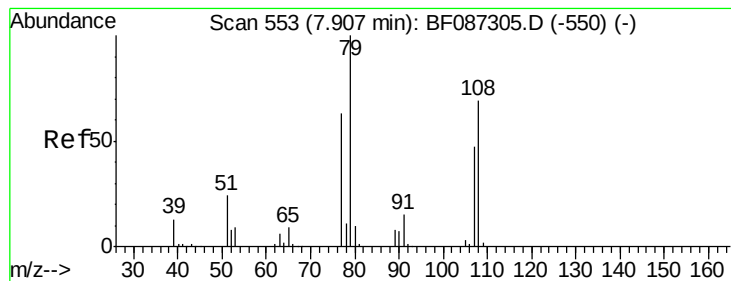


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#15

Benzyl Alcohol

Concen: 2.50 ng

RT: 7.74 min Scan# 538

Delta R.T. -0.08 min

Lab File: BF087409.D

Acq: 26 May 2016 15:28

Instrument :

BNA_F

ClientSampled :

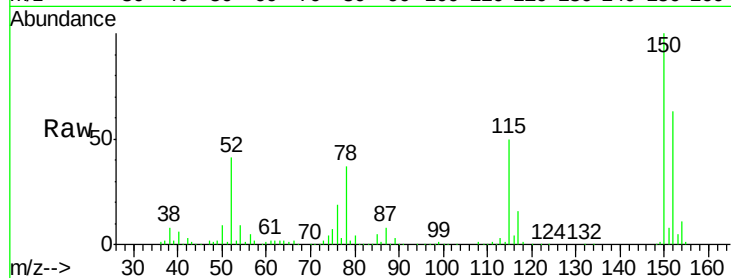
Tot Ion: 79 Resp: 15252

Ion Ratio Lower Upper

79 100

108 29.9 68.4 102.6#

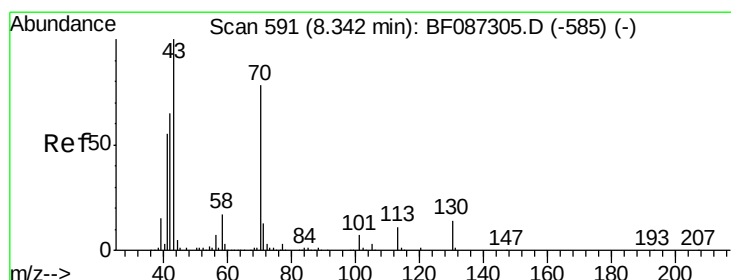
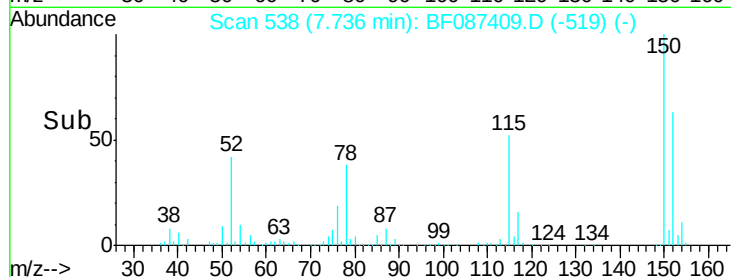
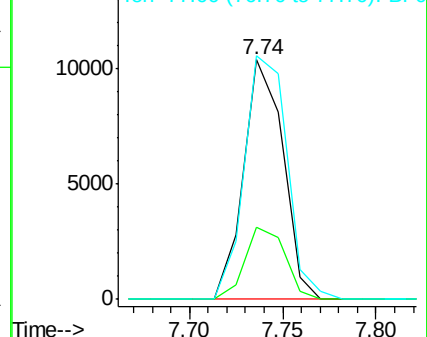
77 101.6 50.6 76.0#



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: 19.35 ng

RT: 8.42 min Scan# 598

Delta R.T. 0.17 min

Lab File: BF087409.D

Acq: 26 May 2016 15:28

Tgt Ion: 70 Resp: 120772

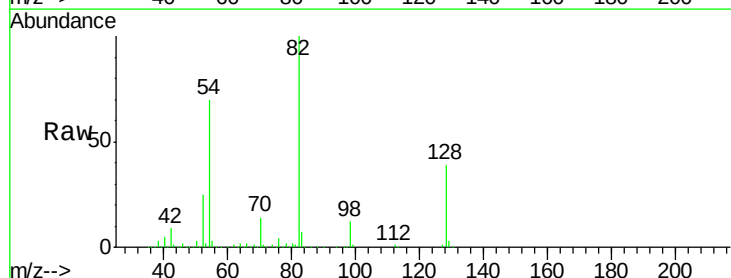
Ion Ratio Lower Upper

70 100

42 65.0 43.1 64.7#

101 0.0 8.1 12.1#

130 1.7 18.6 28.0#

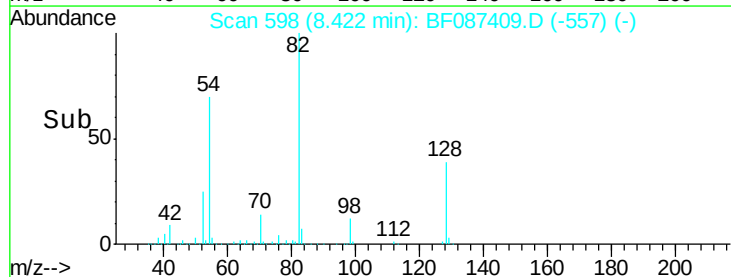
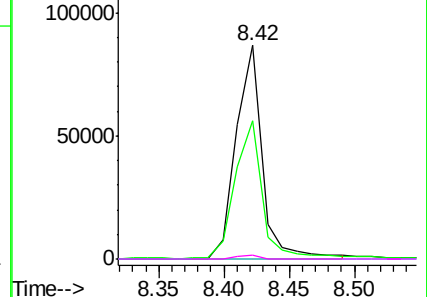


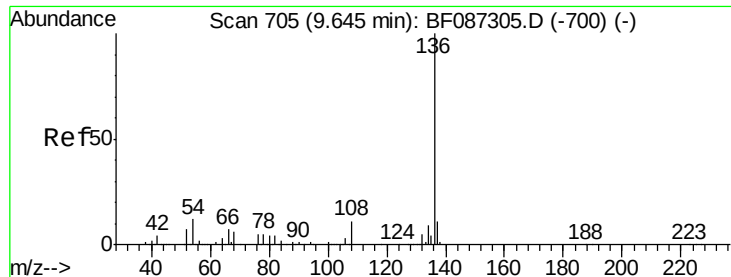
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

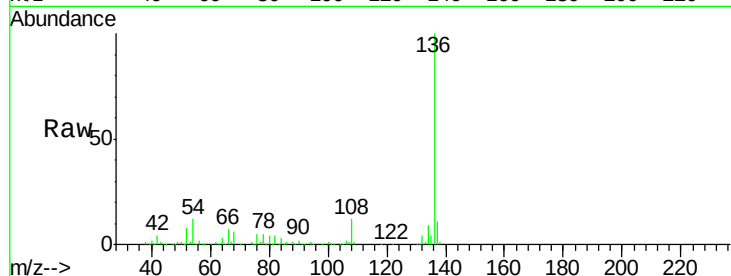




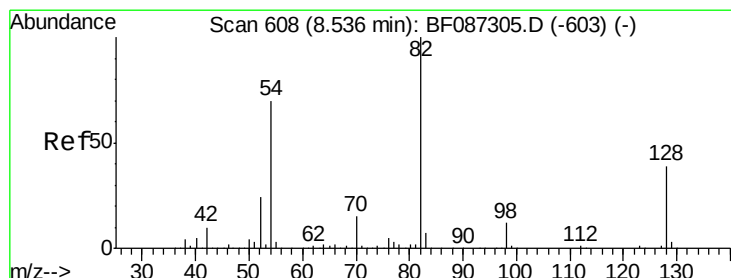
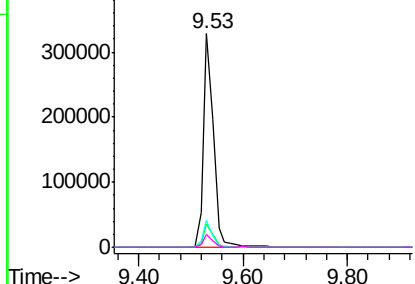
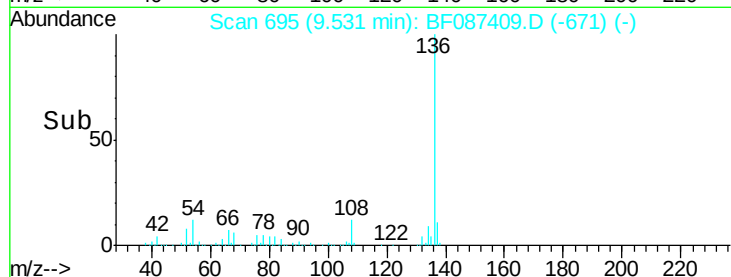
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.53 min Scan# 695
Delta R.T. -0.02 min
Lab File: BF087409.D
Acq: 26 May 2016 15:28

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	438823
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.8 13.2
54	12.4	5.0 7.4#
68	6.0	4.4 6.6

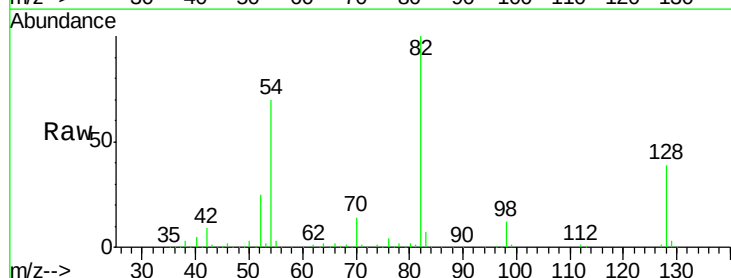


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

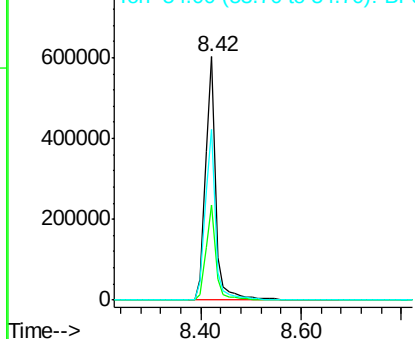
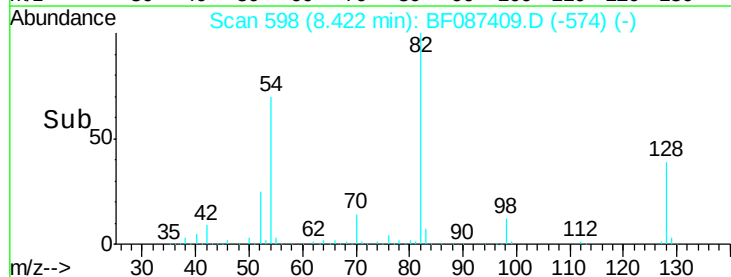


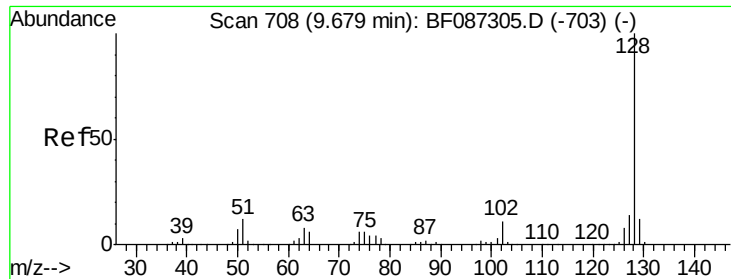
#23
Nitrobenzene-d5
Concen: 98.92 ng
RT: 8.42 min Scan# 598
Delta R.T. -0.02 min
Lab File: BF087409.D
Acq: 26 May 2016 15:28

Tgt Ion: 82	Resp:	861299
Ion Ratio	Lower	Upper
82	100	
128	39.0	40.6 61.0#
54	69.9	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

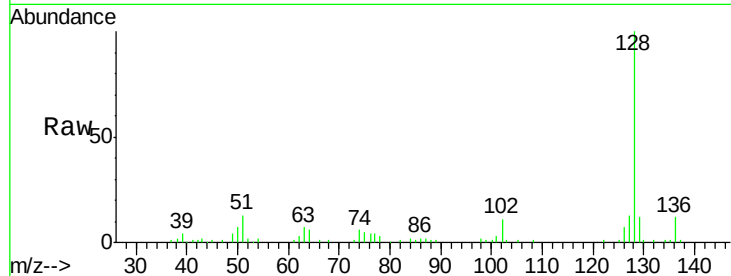




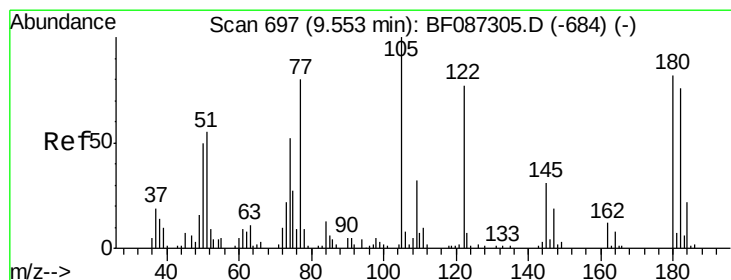
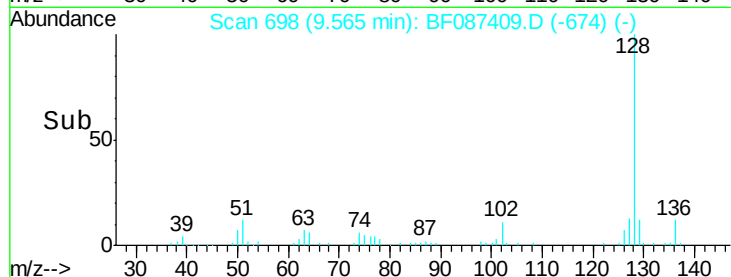
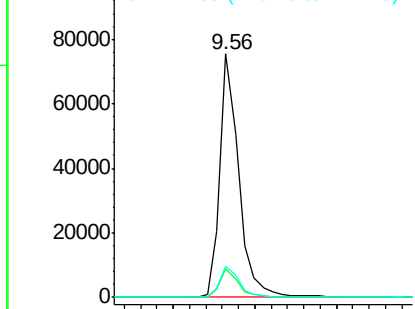
#31
Naphthalene
Concen: 5.50 ng
RT: 9.56 min Scan# 698
Delta R.T. -0.02 min
Lab File: BF087409.D
Acq: 26 May 2016 15:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 121029
Ion Ratio Lower Upper
128 100
129 11.6 8.6 13.0
127 13.0 10.8 16.2

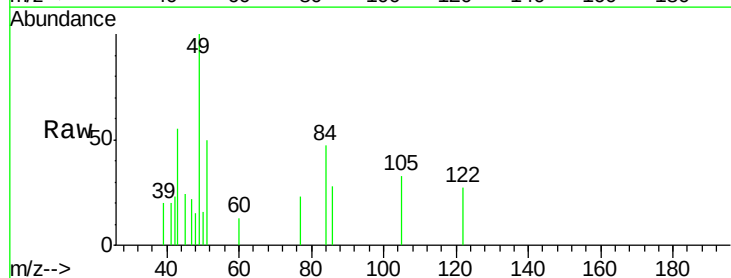


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

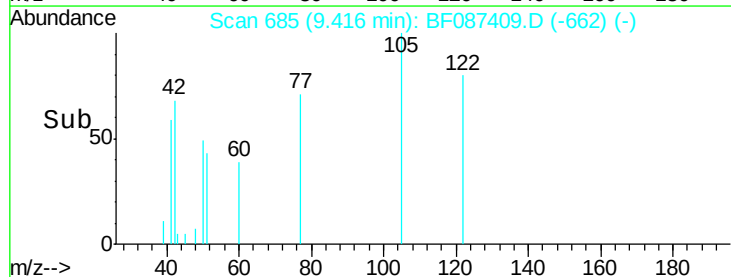
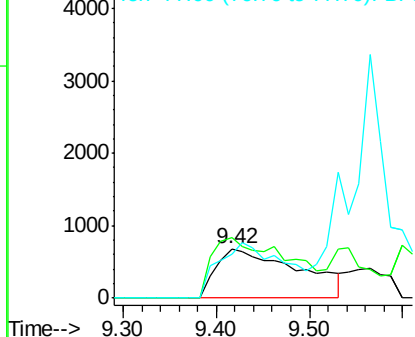


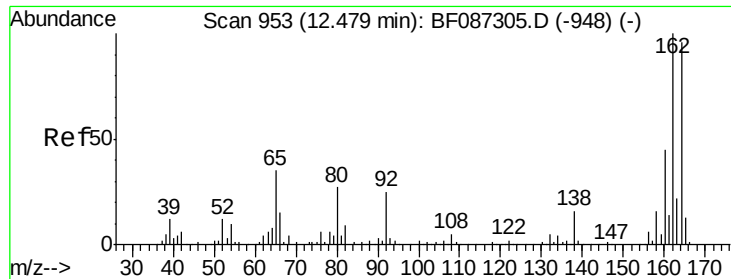
#32
Benzoic acid
Concen: 6.91 ng
RT: 9.42 min Scan# 685
Delta R.T. -0.03 min
Lab File: BF087409.D
Acq: 26 May 2016 15:28

Tgt Ion:122 Resp: 4163
Ion Ratio Lower Upper
122 100
105 124.3 92.6 132.6
77 88.5 60.0 100.0



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): BF0

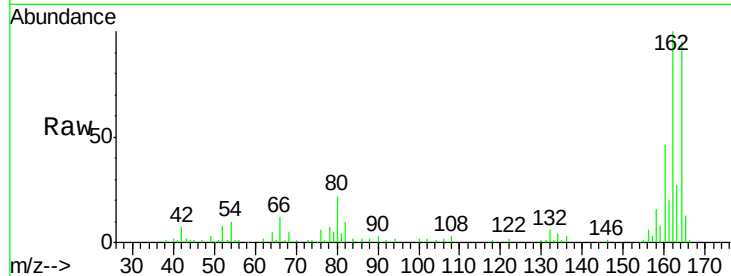




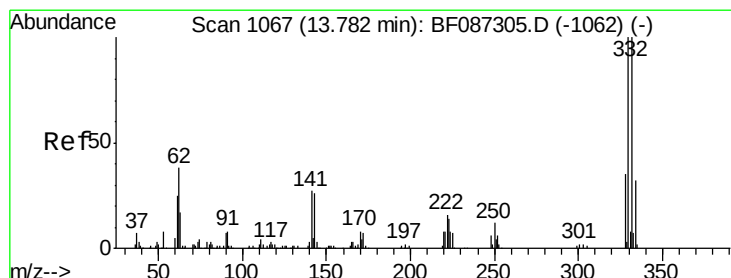
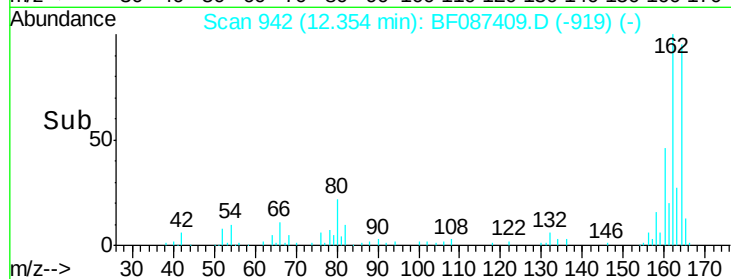
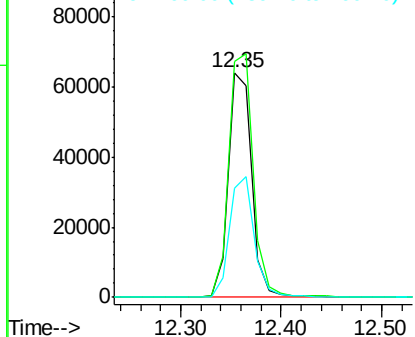
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.35 min Scan# 942
 Delta R.T. -0.03 min
 Lab File: BF087409.D
 Acq: 26 May 2016 15:28

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:164 Resp: 103528
 Ion Ratio Lower Upper
 164 100
 162 105.1 82.8 124.2
 160 48.8 36.9 55.3

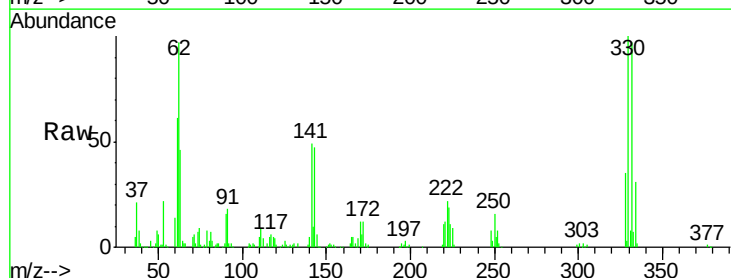


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

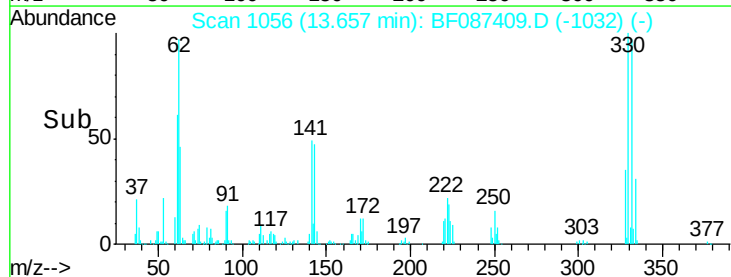
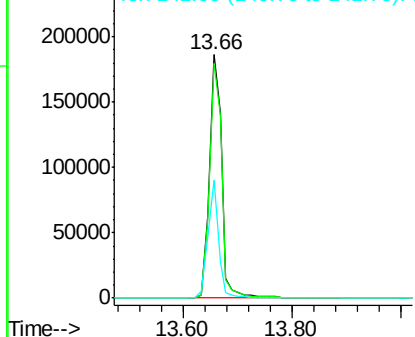


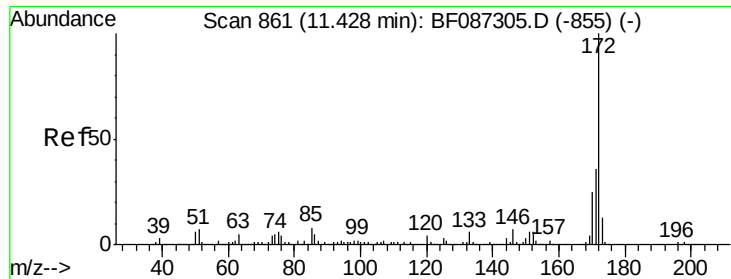
#41
 2,4,6-Tribromophenol
 Concen: 296.99 ng
 RT: 13.66 min Scan# 1056
 Delta R.T. -0.02 min
 Lab File: BF087409.D
 Acq: 26 May 2016 15:28

Tgt Ion:330 Resp: 295469
 Ion Ratio Lower Upper
 330 100
 332 96.8 79.0 118.4
 141 42.5 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

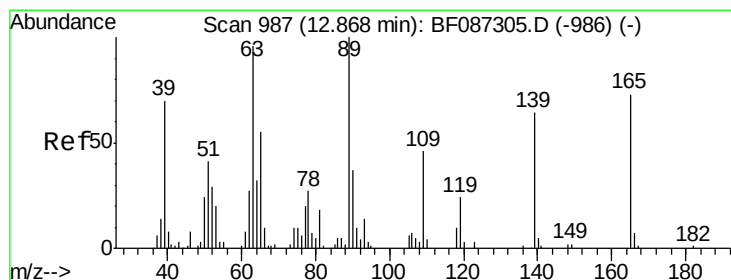
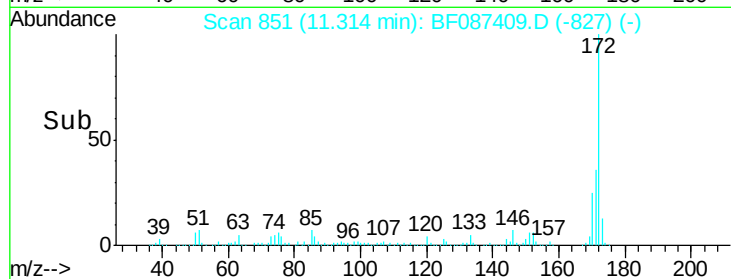
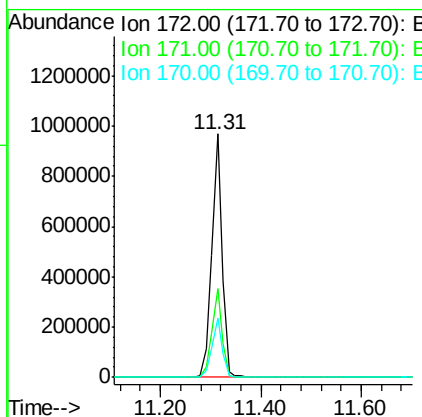
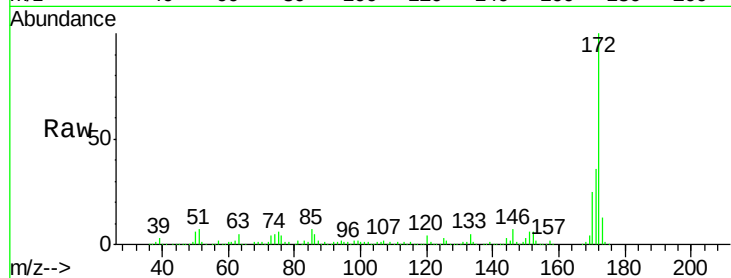




#44
 2-Fluorobiphenyl
 Concen: 187.31 ng
 RT: 11.31 min Scan# 851
 Delta R.T. -0.02 min
 Lab File: BF087409.D
 Acq: 26 May 2016 15:28

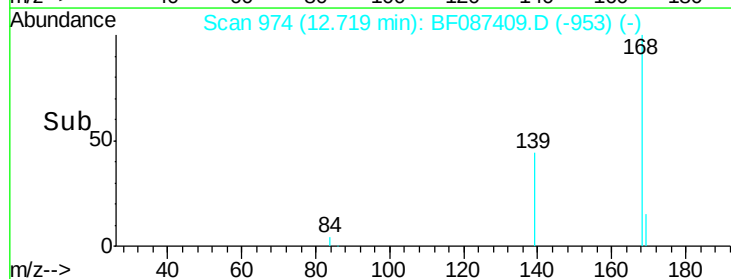
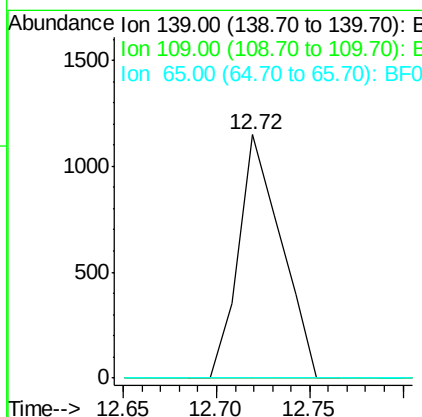
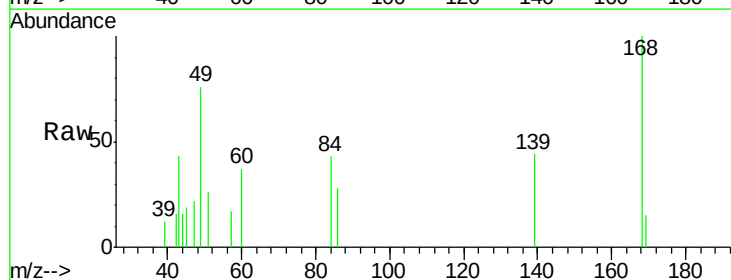
Instrument :
 BNA_F
 ClientSampleId :

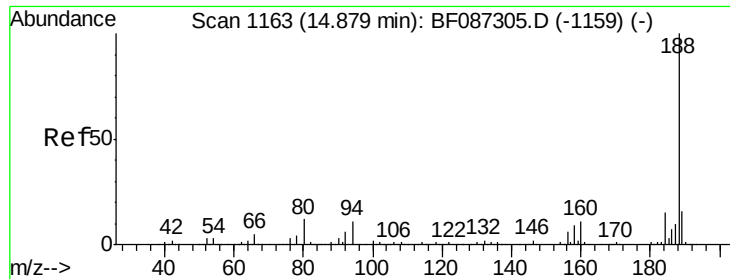
Tot Ion:172 Resp: 1375504
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.0 43.6
 170 24.6 19.8 29.8



#55
 4-Nitrophenol
 Concen: 2.24 ng
 RT: 12.72 min Scan# 974
 Delta R.T. -0.06 min
 Lab File: BF087409.D
 Acq: 26 May 2016 15:28

Tgt Ion:139 Resp: 1829
 Ion Ratio Lower Upper
 139 100
 109 0.0 36.9 76.9#
 65 0.0 64.0 104.0#

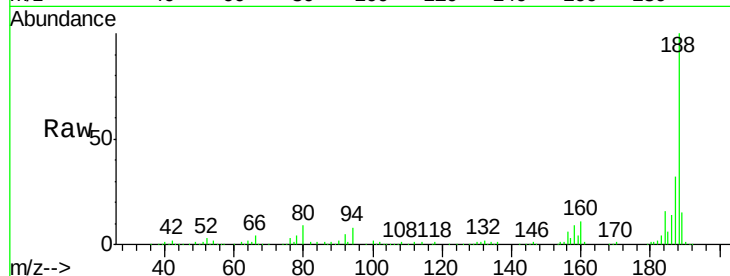




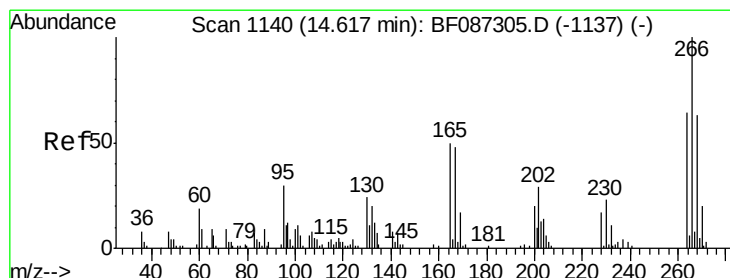
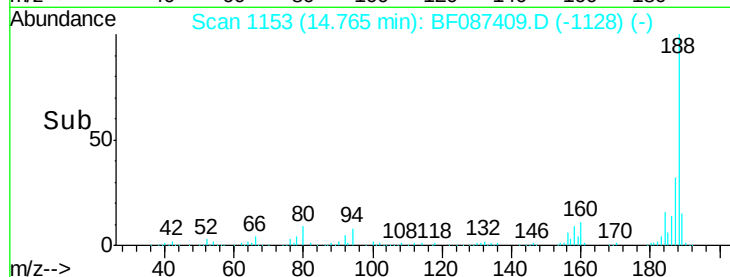
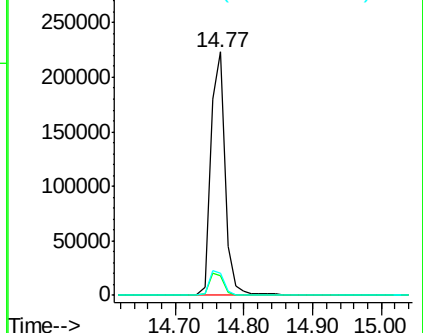
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.77 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF087409.D
Acq: 26 May 2016 15:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.8	10.2
80	9.1	7.1	10.7

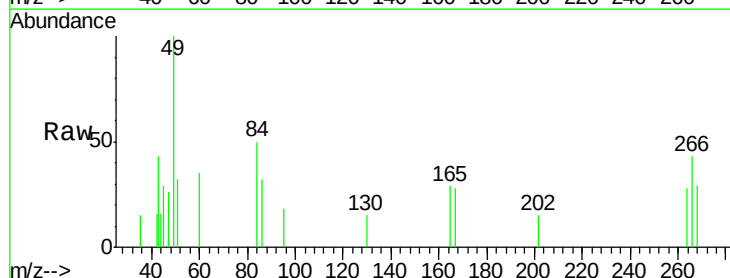


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

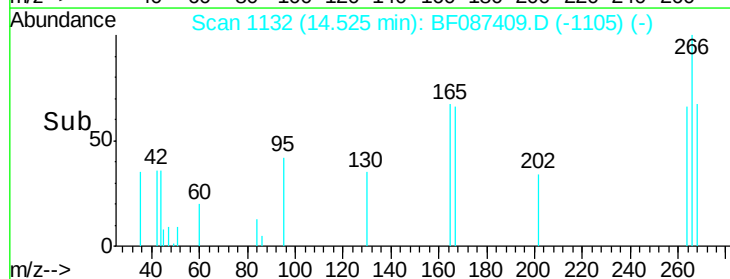
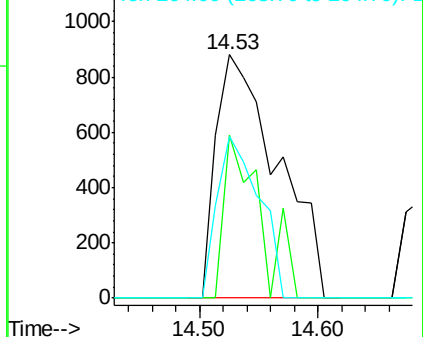


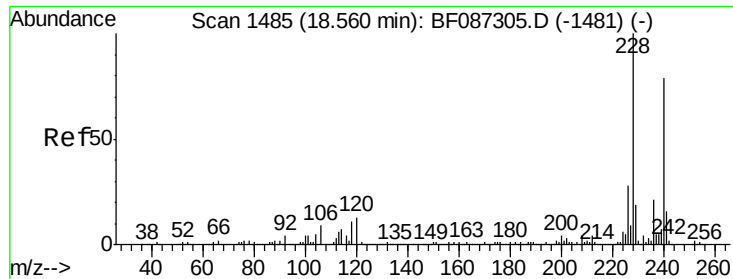
#69
Pentachlorophenol
Concen: 8.70 ng
RT: 14.53 min Scan# 1132
Delta R.T. 0.01 min
Lab File: BF087409.D
Acq: 26 May 2016 15:28

Tgt Ion	Ratio	Lower	Upper
266	100		
268	67.1	51.5	77.3
264	66.3	52.9	79.3



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: 18.46 min Scan# 1476

Delta R.T. -0.02 min

Lab File: BF087409.D

Acq: 26 May 2016 15:28

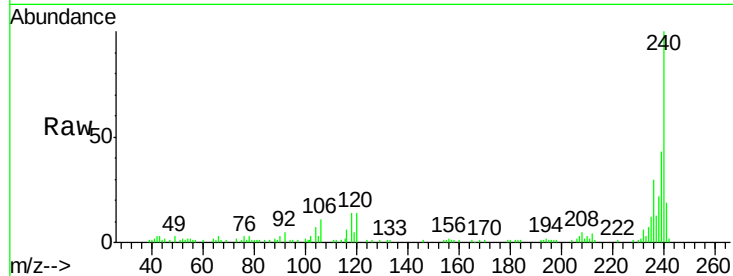
Instrument :

BNA_F

ClientSampleId :

Tot Ion:240 Resp: 83990

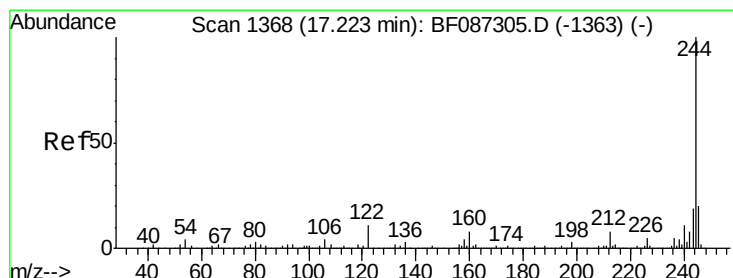
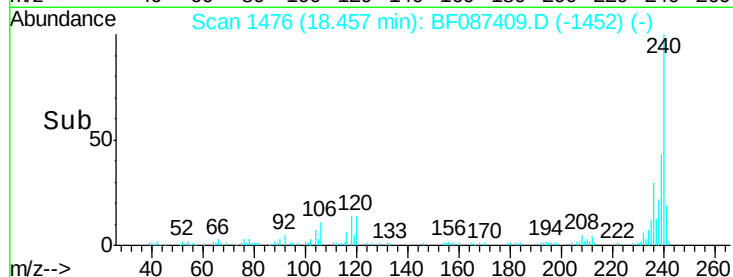
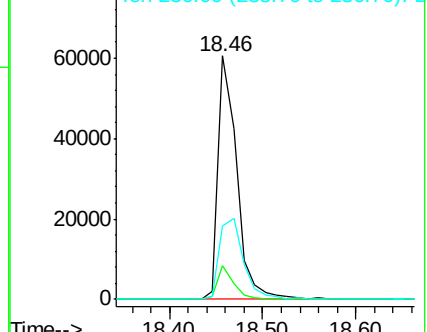
Ion	Ratio	Lower	Upper
240	100		
120	14.0	11.2	16.8
236	30.2	21.2	31.8



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: 244.45 ng

RT: 17.12 min Scan# 1359

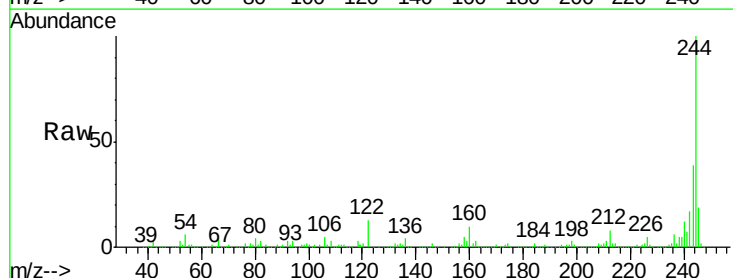
Delta R.T. -0.01 min

Lab File: BF087409.D

Acq: 26 May 2016 15:28

Tgt Ion:244 Resp: 965715

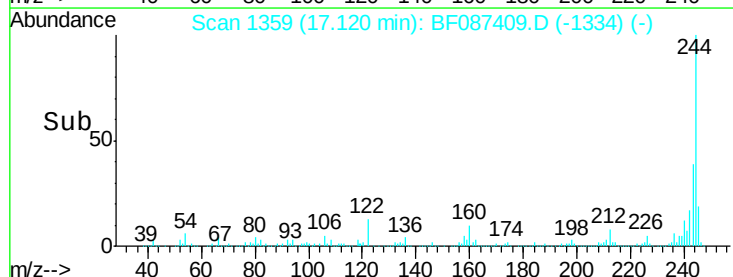
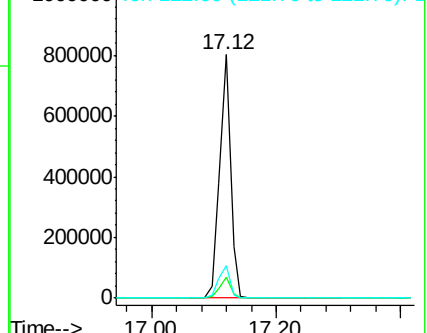
Ion	Ratio	Lower	Upper
244	100		
212	8.4	6.2	9.2
122	13.1	12.0	18.0

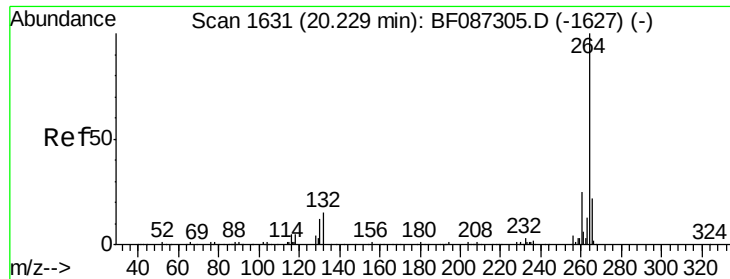


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 20.14 min Scan# 1623

Delta R.T. 0.00 min

Lab File: BF087409.D

Acq: 26 May 2016 15:28

Instrument :

BNA_F

ClientSampleId :

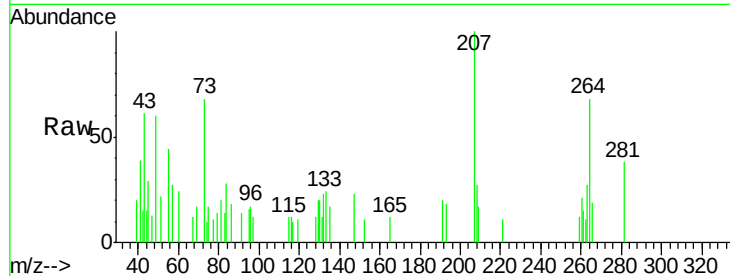
Tot Ion:264 Resp: 3292

Ion Ratio Lower Upper

264 100

260 31.6 19.5 29.3#

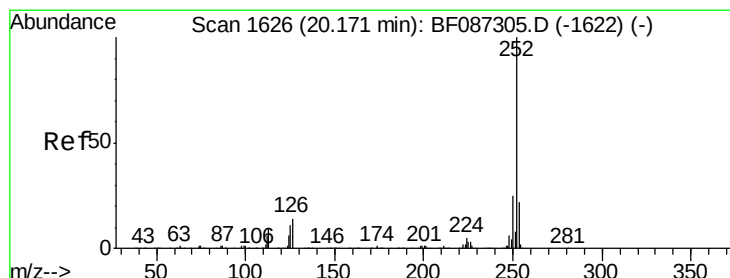
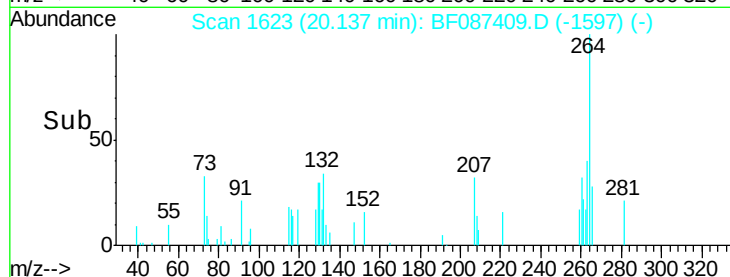
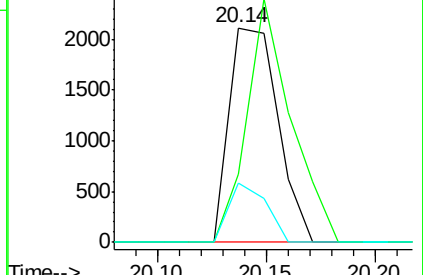
265 27.9 17.3 25.9#



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



#89

Benzo(a)pyrene

Concen: 5.30 ng

RT: 20.16 min Scan# 1625

Delta R.T. 0.08 min

Lab File: BF087409.D

Acq: 26 May 2016 15:28

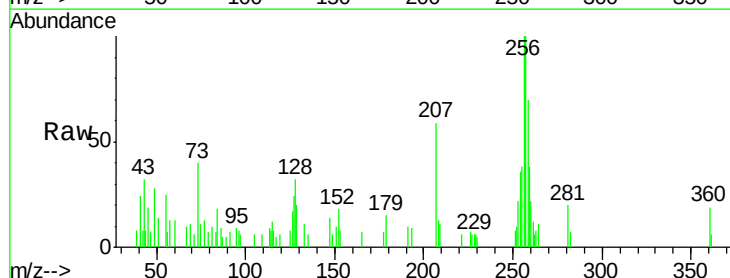
Tgt Ion:252 Resp: 961

Ion Ratio Lower Upper

252 100

253 216.0 17.2 25.8#

125 73.5 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

