

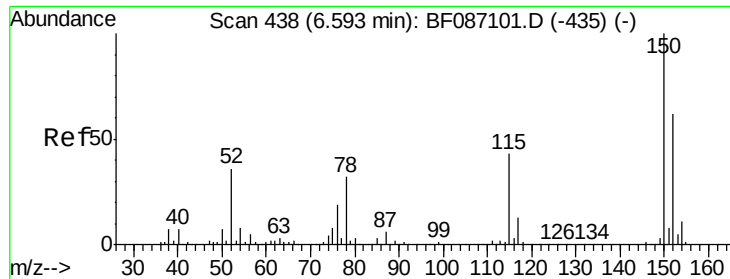
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052016\
 Data File : BF087274.D
 Acq On : 21 May 2016 15:53
 Operator : UM/SJ
 Sample : H3185-01
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SYSDIS-051916

Quant Time: May 23 01:00:46 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 17 16:55:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	126839	20.00	ng	-0.05
21) Naphthalene-d8	7.84	136	518048	20.00	ng	-0.06
38) Acenaphthene-d10	9.59	164	245835	20.00	ng	-0.06
63) Phenanthrene-d10	11.06	188	402488	20.00	ng	-0.06
75) Chrysene-d12	13.69	240	262192	20.00	ng	-0.07
86) Perylene-d12	15.05	264	236301	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	270105	35.79	ng	-0.05
7) Phenol-d6	6.24	99	235574	23.28	ng	-0.05
23) Nitrobenzene-d5	7.13	82	903639	86.93	ng	-0.06
41) 2,4,6-Tribromophenol	10.39	330	195753	72.06	ng	-0.06
44) 2-Fluorobiphenyl	8.92	172	1385764	93.36	ng	-0.06
78) Terphenyl-d14	12.65	244	1013873	87.47	ng	-0.06
Target Compounds						Qvalue
2) 1,4-Dioxane	2.01	88	18352	4.73	ng	# 68
6) Aniline	6.23	93	238469	18.55	ng	91
11) bis(2-Chloroethyl)ether	6.23	93	238469	24.96	ng	# 25
15) Benzyl Alcohol	6.71	79	15199	2.02	ng	# 45
19) n-Nitroso-di-n-propylamine	7.13	70	127638	16.59	ng	# 71
24) Nitrobenzene	7.26	77	180857	15.94	ng	# 45
25) Isophorone	7.13	82	878004	46.14	ng	# 68
49) Dimethylphthalate	9.32	163	51156	2.73	ng	100
53) 2,4-Dinitrophenol	9.66	184	363	4.88	ng	# 26
66) 4-Bromophenyl-phenylether	10.39	248	13079	3.16	ng	# 1

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

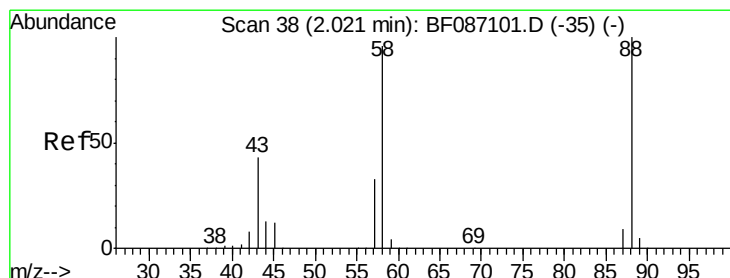
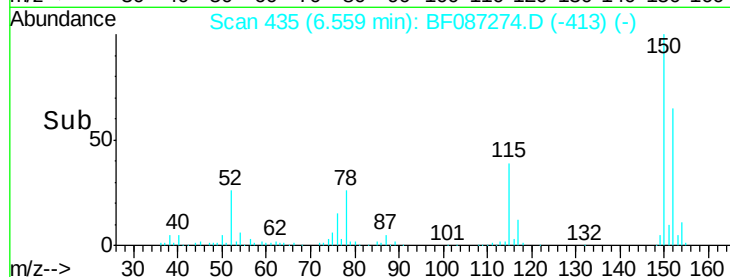
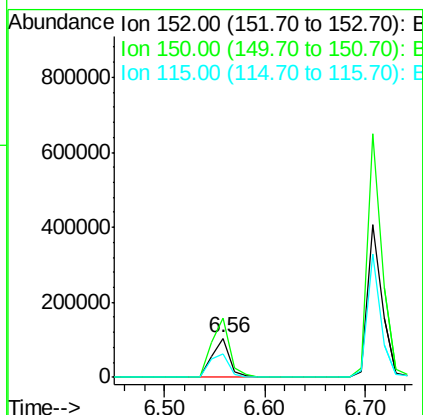
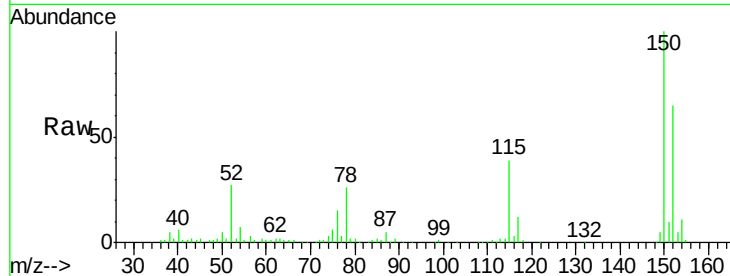


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.56 min Scan# 435
Delta R.T. -0.05 min
Lab File: BF087274.D
Acq: 21 May 2016 15:53

Instrument :
BNA_F
ClientSampleId :
SYSDIS-051916

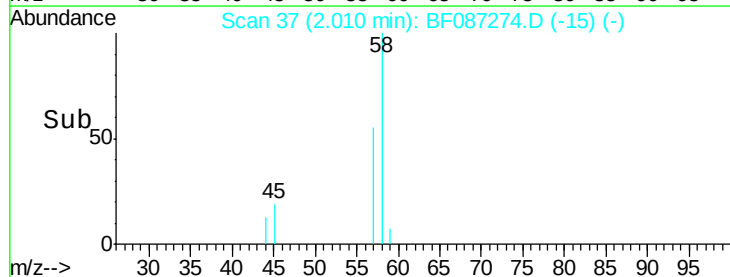
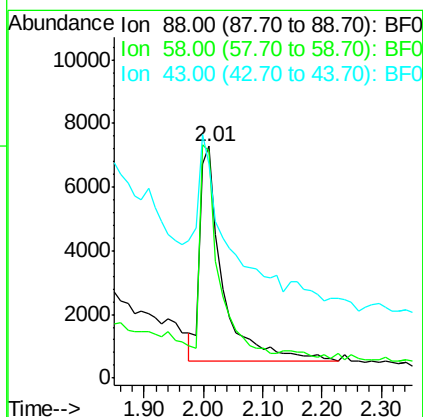
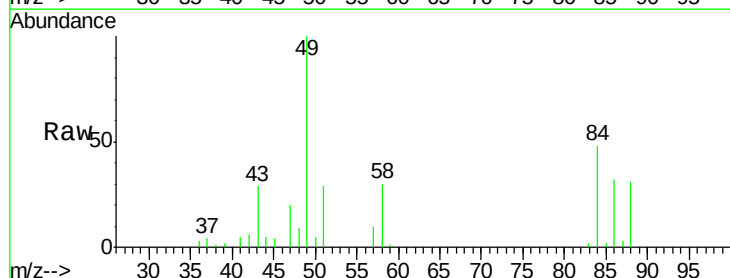
Tgt Ion: 152 Resp: 126839
Ion Ratio Lower Upper
152 100
150 153.7 125.8 188.6
115 59.2 51.5 77.3

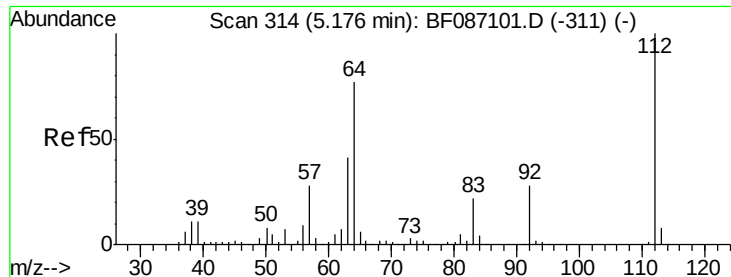


#2

1,4-Dioxane
Concen: 4.73 ng
RT: 2.01 min Scan# 37
Delta R.T. -0.05 min
Lab File: BF087274.D
Acq: 21 May 2016 15:53

Tgt Ion: 88 Resp: 18352
Ion Ratio Lower Upper
88 100
58 77.3 59.6 89.4
43 85.0 21.8 32.6#

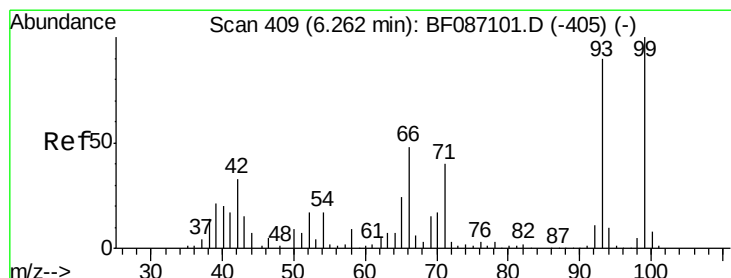
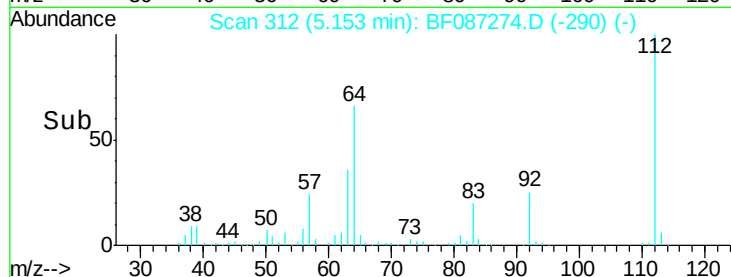
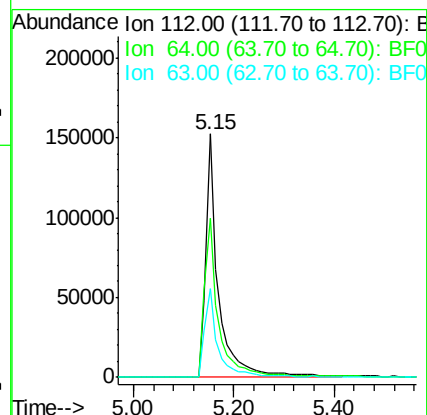
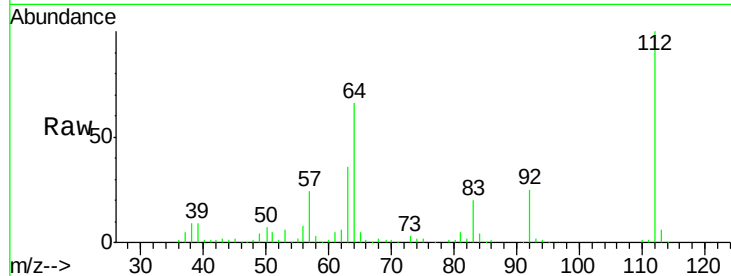




#5
 2-Fluorophenol
 Concen: 35.79 ng
 RT: 5.15 min Scan# 312
 Delta R.T. -0.05 min
 Lab File: BF087274.D
 Acq: 21 May 2016 15:53

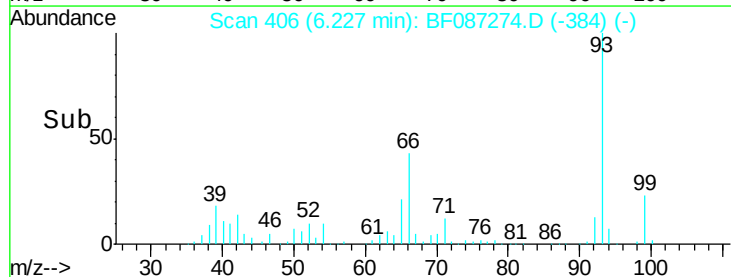
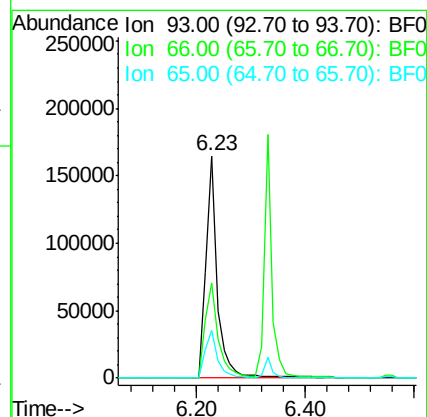
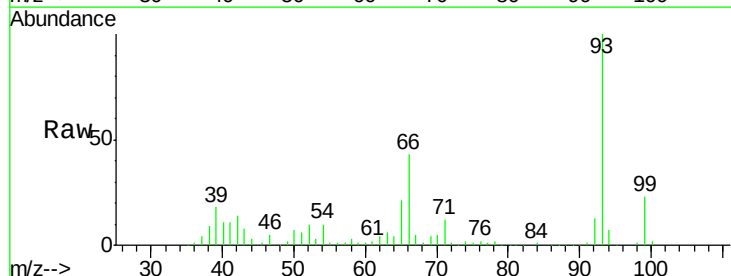
Instrument :
 BNA_F
 ClientSampleId :
 SYSDIS-051916

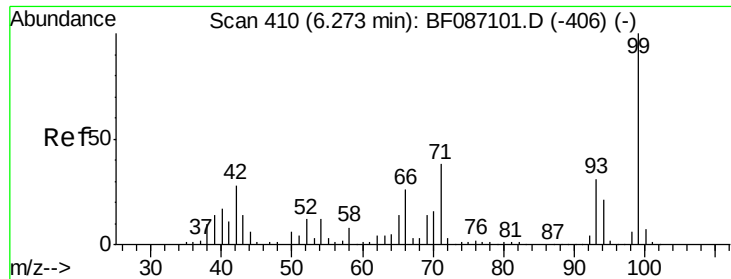
Tgt Ion: 112 Resp: 270105
 Ion Ratio Lower Upper
 112 100
 64 65.5 52.1 78.1
 63 36.3 25.7 38.5



#6
 Aniline
 Concen: 18.55 ng
 RT: 6.23 min Scan# 406
 Delta R.T. -0.05 min
 Lab File: BF087274.D
 Acq: 21 May 2016 15:53

Tgt Ion: 93 Resp: 238469
 Ion Ratio Lower Upper
 93 100
 66 42.8 39.0 58.6
 65 21.2 20.6 31.0





#7

Phenol-d6

Concen: 23.28 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.05 min

Lab File: BF087274.D

Acq: 21 May 2016 15:53

Instrument :

BNA_F

ClientSampleId :

SYSDIS-051916

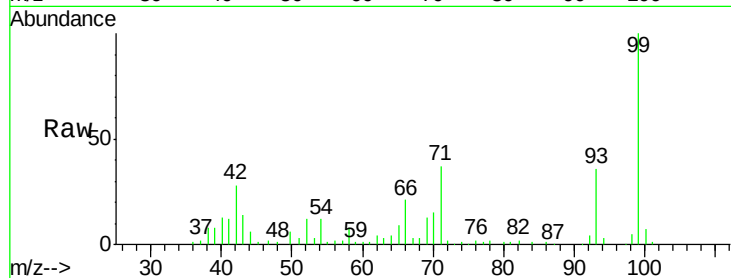
Tgt Ion: 99 Resp: 235574

Ion Ratio Lower Upper

99 100

42 28.0 13.6 20.4#

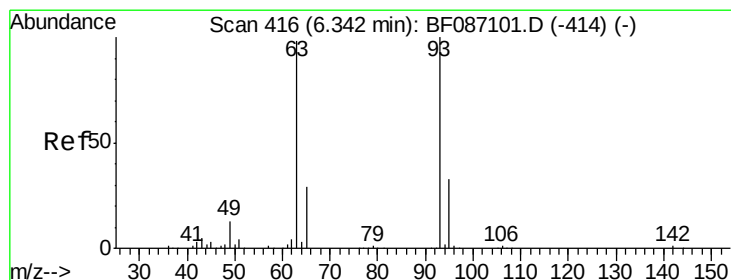
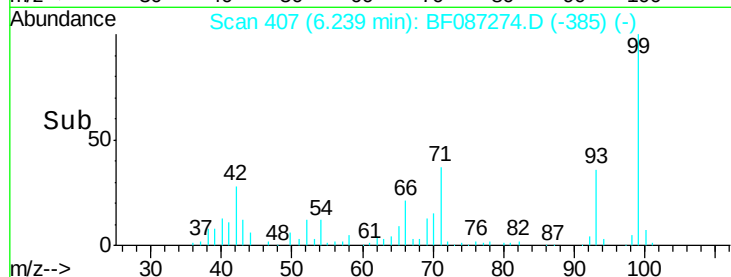
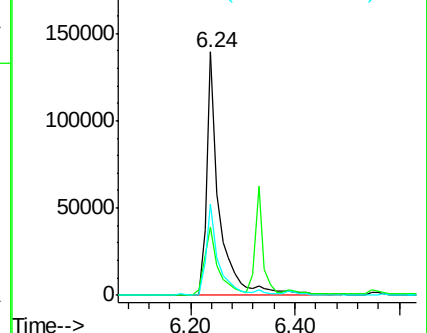
71 37.3 24.6 36.8#



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



#11

bis(2-Chloroethyl)ether

Concen: 24.96 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.13 min

Lab File: BF087274.D

Acq: 21 May 2016 15:53

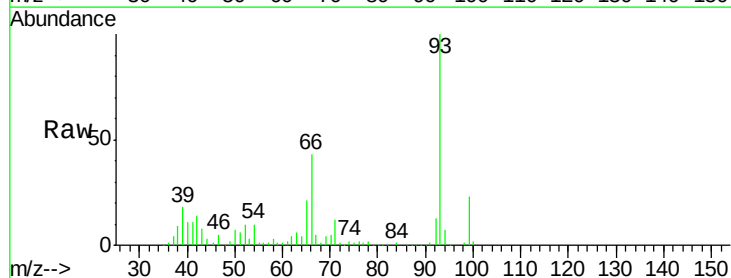
Tgt Ion: 93 Resp: 238469

Ion Ratio Lower Upper

93 100

63 6.1 58.0 98.0#

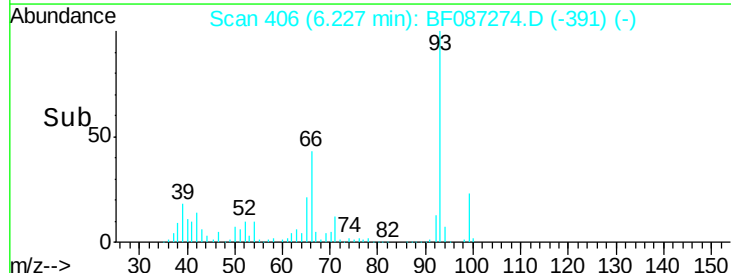
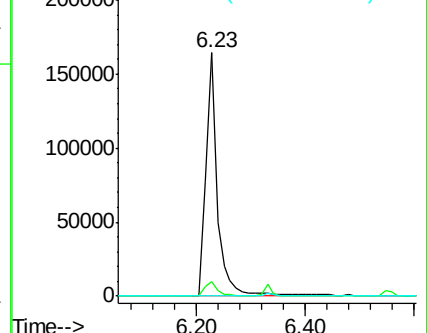
95 0.3 11.9 51.9#

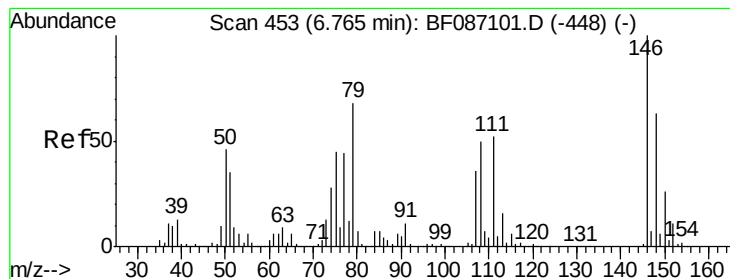


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0





#15

Benzyl Alcohol

Concen: 2.02 ng

RT: 6.71 min Scan# 448

Delta R.T. -0.07 min

Lab File: BF087274.D

Acq: 21 May 2016 15:53

Instrument :

BNA_F

ClientSampleId :

SYSDIS-051916

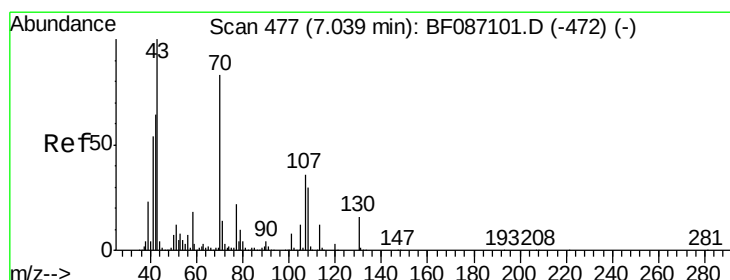
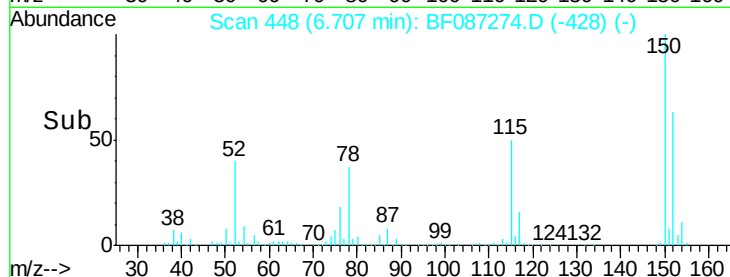
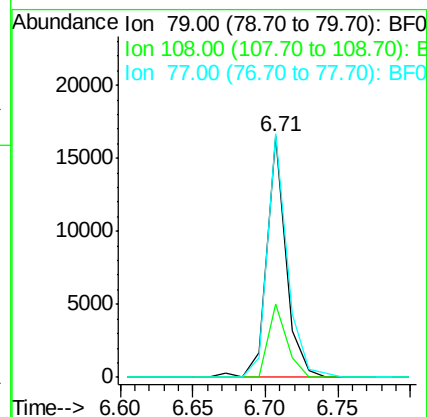
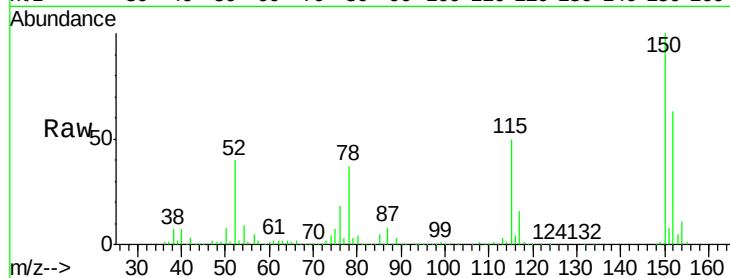
Tgt Ion: 79 Resp: 15199

Ion Ratio Lower Upper

79 100

108 30.7 68.4 102.6#

77 101.2 50.6 76.0#



#19

n-Nitroso-di-n-propylamine

Concen: 16.59 ng

RT: 7.13 min Scan# 485

Delta R.T. 0.08 min

Lab File: BF087274.D

Acq: 21 May 2016 15:53

Tgt Ion: 70 Resp: 127638

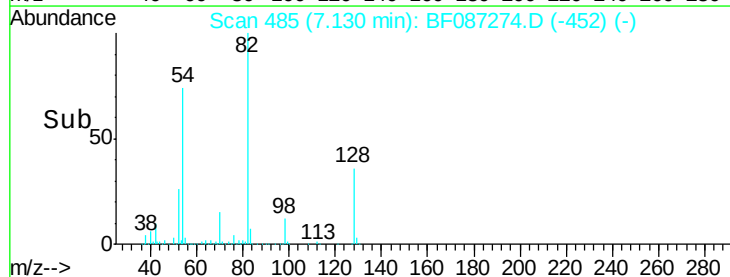
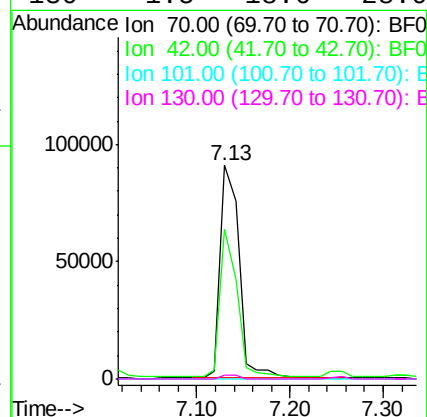
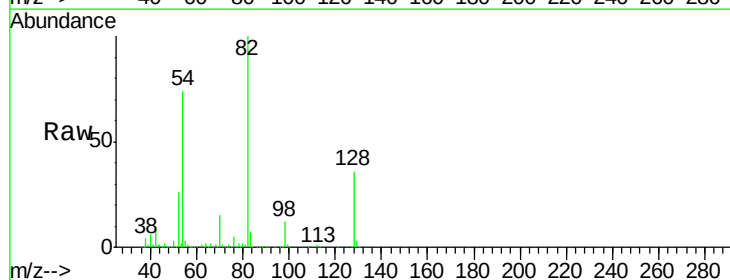
Ion Ratio Lower Upper

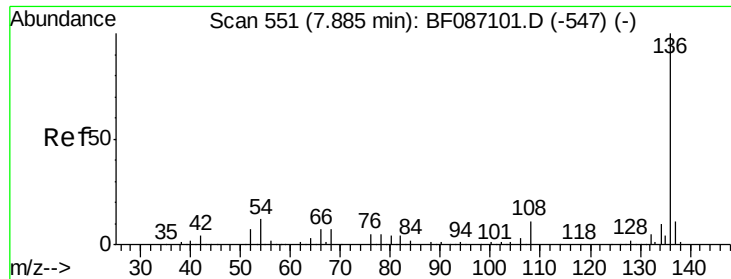
70 100

42 70.1 43.1 64.7#

101 0.0 8.1 12.1#

130 1.5 18.6 28.0#

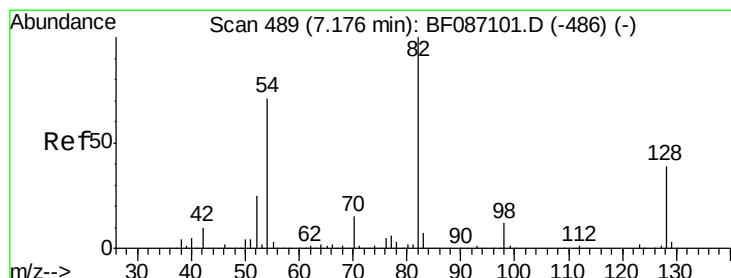
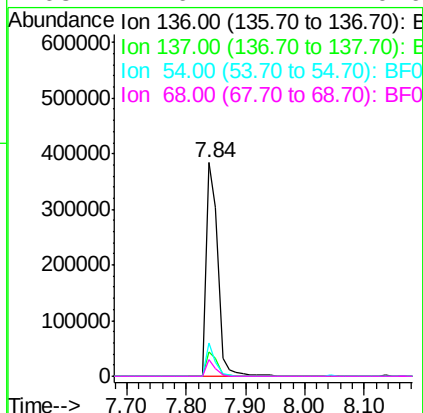
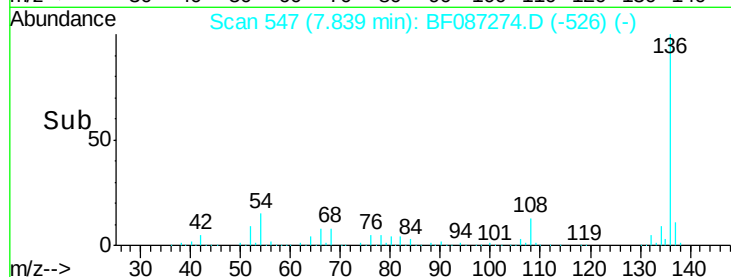
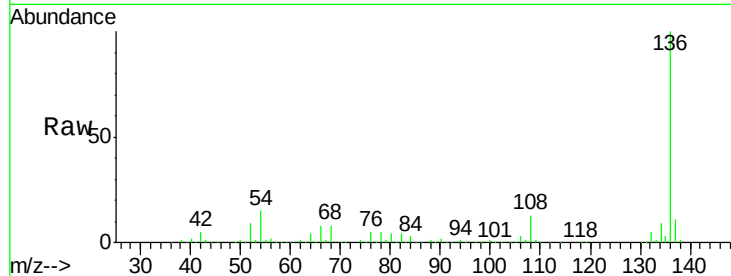




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.84 min Scan# 547
Delta R.T. -0.06 min
Lab File: BF087274.D
Acq: 21 May 2016 15:53

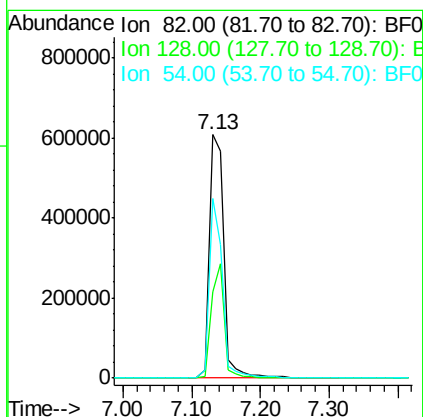
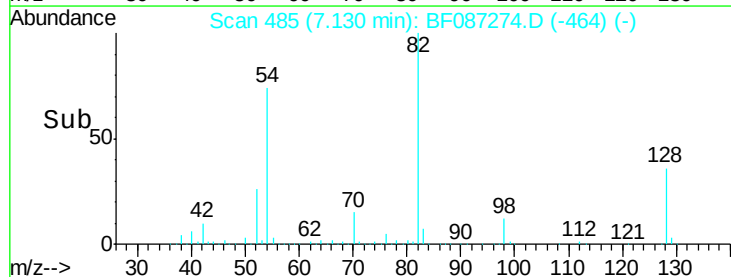
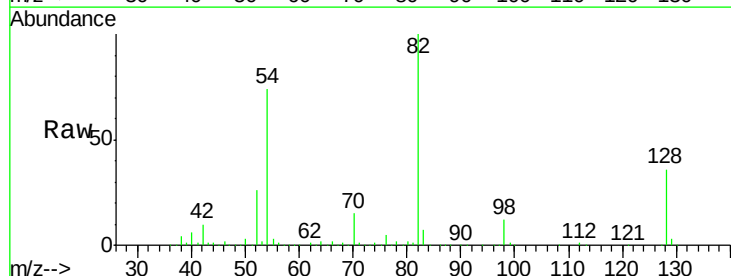
Instrument :
BNA_F
ClientSampleId :
SYSDIS-051916

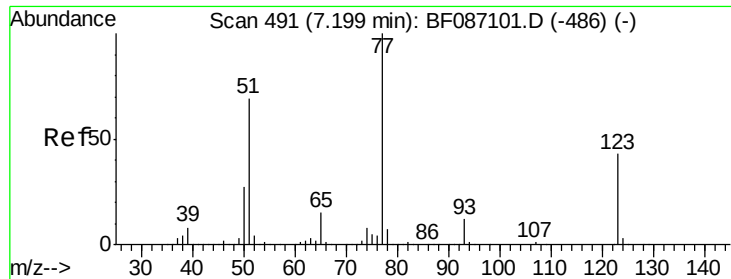
Tgt Ion:	136	Resp:	518048
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.8	13.2
54	15.5	5.0	7.4#
68	7.6	4.4	6.6#



#23
Nitrobenzene-d5
Concen: 86.93 ng
RT: 7.13 min Scan# 485
Delta R.T. -0.06 min
Lab File: BF087274.D
Acq: 21 May 2016 15:53

Tgt Ion:	82	Resp:	903639
Ion	Ratio	Lower	Upper
82	100		
128	35.5	40.6	61.0#
54	73.7	38.1	57.1#

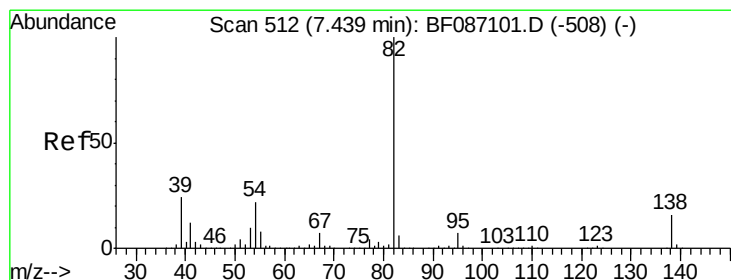
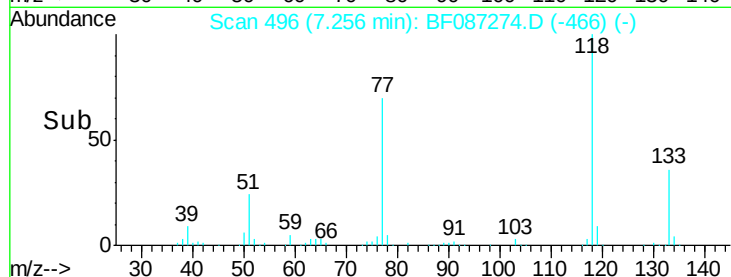
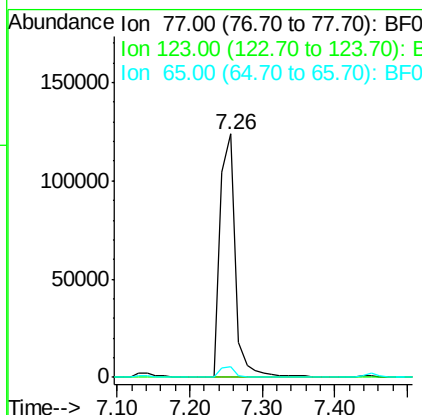
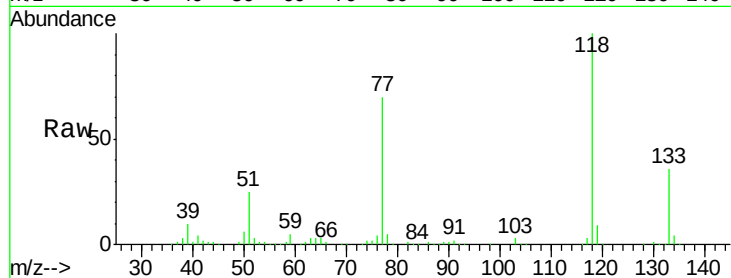




#24
 Nitrobenzene
 Concen: 15.94 ng
 RT: 7.26 min Scan# 496
 Delta R.T. 0.05 min
 Lab File: BF087274.D
 Acq: 21 May 2016 15:53

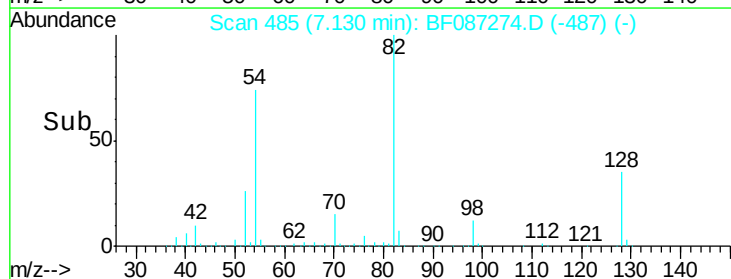
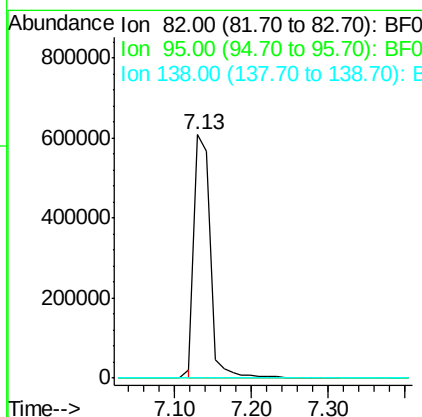
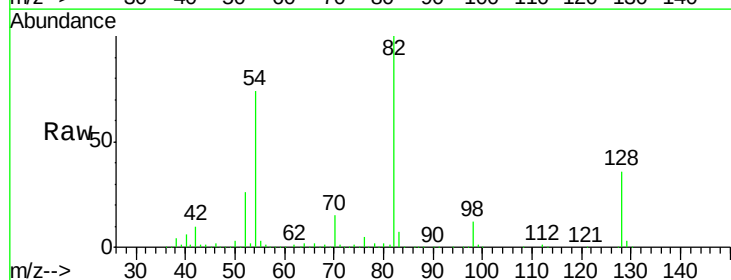
Instrument :
 BNA_F
 ClientSampleId :
 SYSDIS-051916

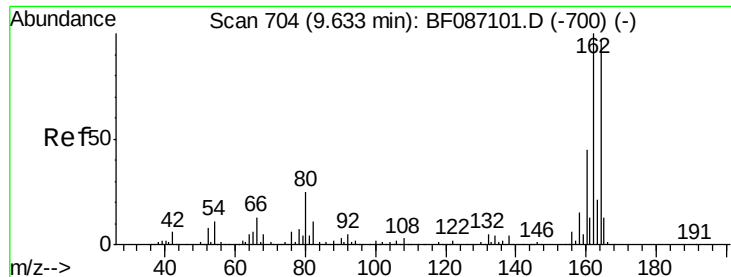
Tgt Ion	Ratio	Lower	Upper
77	100		
123	0.0	33.0	49.4#
65	4.3	10.8	16.2#



#25
 Isophorone
 Concen: 46.14 ng
 RT: 7.13 min Scan# 485
 Delta R.T. -0.32 min
 Lab File: BF087274.D
 Acq: 21 May 2016 15:53

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.1	7.7#
138	0.0	12.4	18.6#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.59 min Scan# 700

Delta R.T. -0.06 min

Lab File: BF087274.D

Acq: 21 May 2016 15:53

Instrument :

BNA_F

ClientSampleId :

SYSDIS-051916

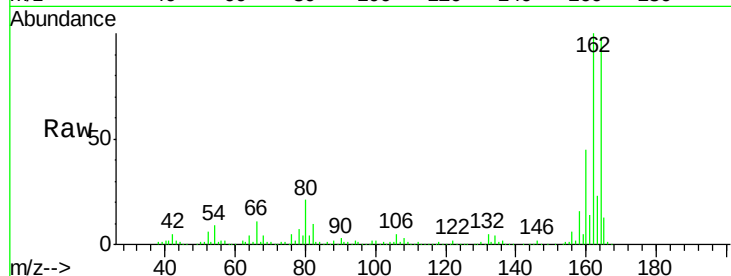
Tgt Ion:164 Resp: 245835

Ion Ratio Lower Upper

164 100

162 102.6 82.8 124.2

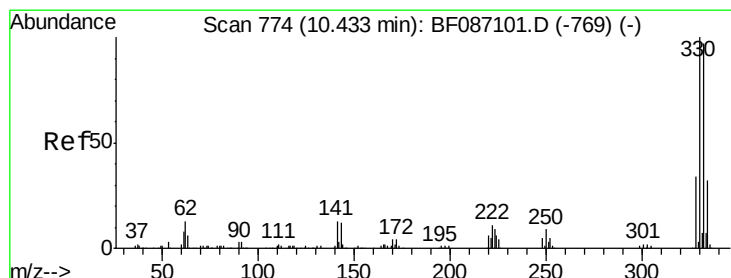
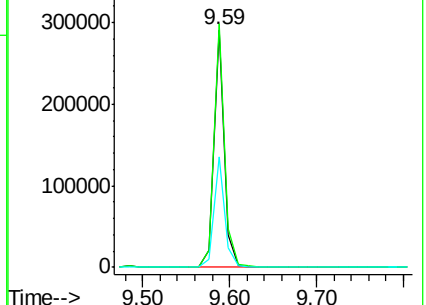
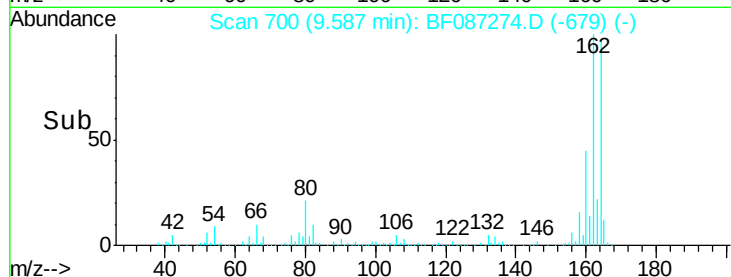
160 46.4 36.9 55.3



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: 72.06 ng

RT: 10.39 min Scan# 770

Delta R.T. -0.06 min

Lab File: BF087274.D

Acq: 21 May 2016 15:53

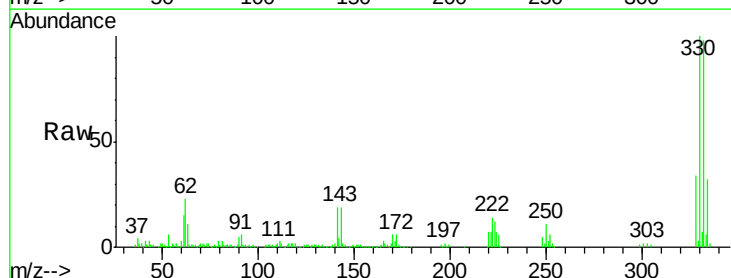
Tgt Ion:330 Resp: 195753

Ion Ratio Lower Upper

330 100

332 96.6 79.0 118.4

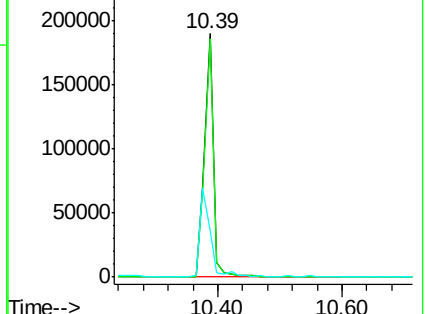
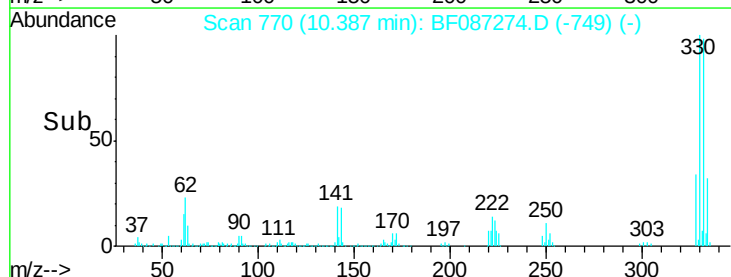
141 41.1 31.2 46.8

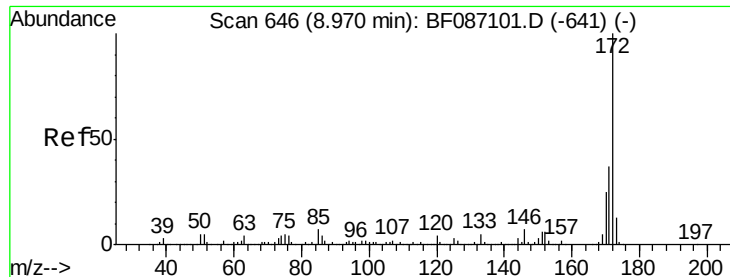


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 93.36 ng

RT: 8.92 min Scan# 642

Delta R.T. -0.06 min

Lab File: BF087274.D

Acq: 21 May 2016 15:53

Instrument :

BNA_F

ClientSampleId :

SYSDIS-051916

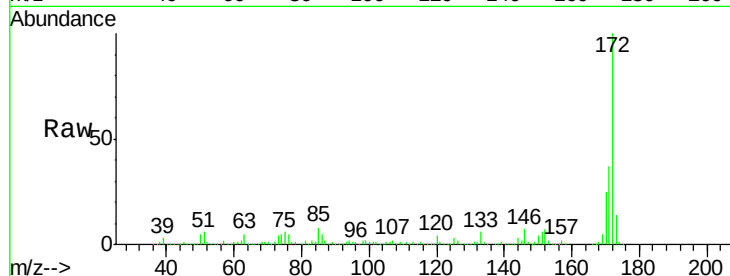
Tgt Ion:172 Resp: 1385764

Ion Ratio Lower Upper

172 100

171 37.2 29.0 43.6

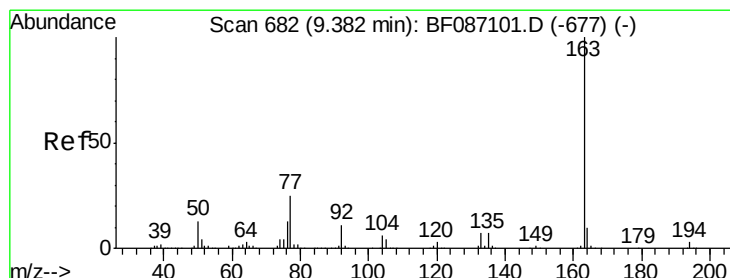
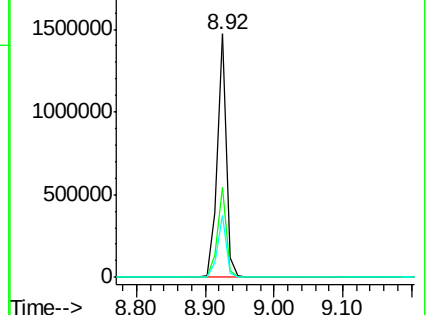
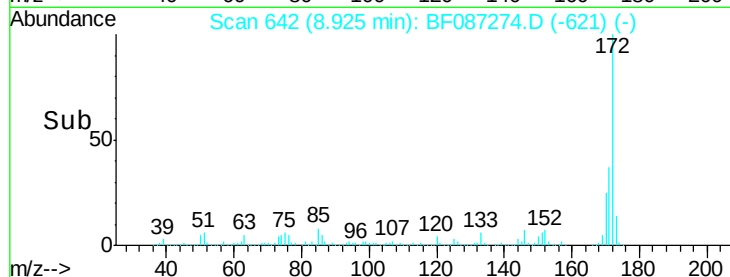
170 25.5 19.8 29.8



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: 2.73 ng

RT: 9.32 min Scan# 677

Delta R.T. -0.07 min

Lab File: BF087274.D

Acq: 21 May 2016 15:53

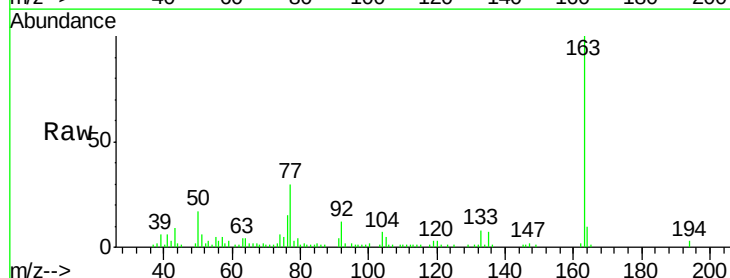
Tgt Ion:163 Resp: 51156

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

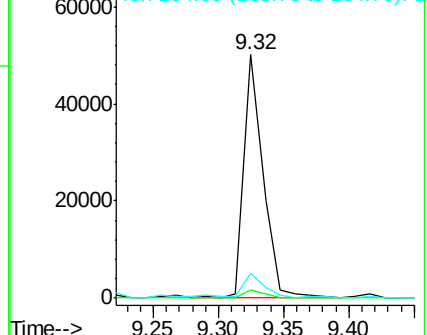
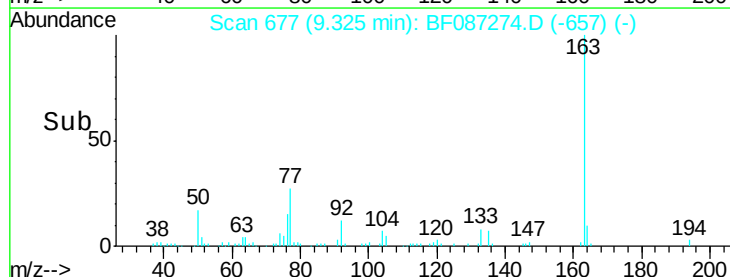
164 10.4 8.2 12.4

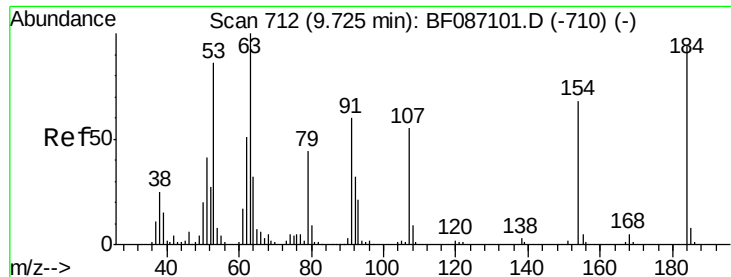


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

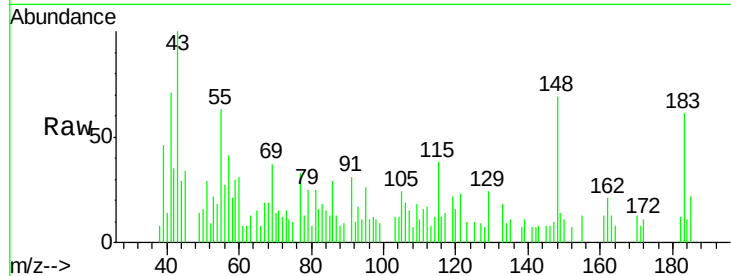




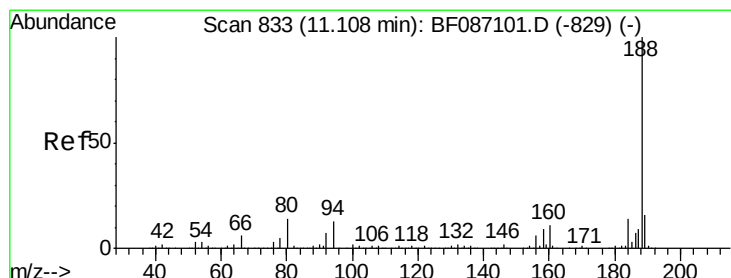
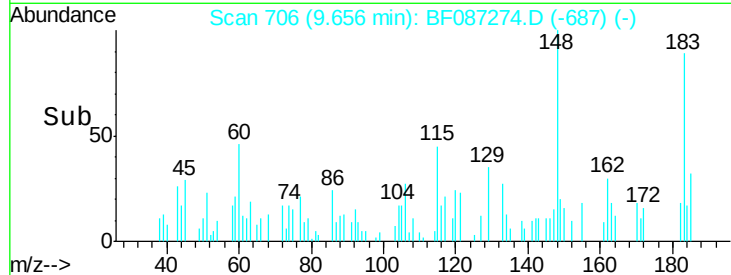
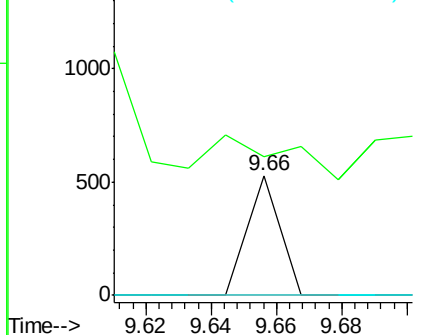
#53
 2,4-Dinitrophenol
 Concen: 4.88 ng
 RT: 9.66 min Scan# 706
 Delta R.T. -0.08 min
 Lab File: BF087274.D
 Acq: 21 May 2016 15:53

Instrument :
 BNA_F
 ClientSampleId :
 SYSDIS-051916

Tgt Ion:184 Resp: 363
 Ion Ratio Lower Upper
 184 100
 63 115.3 55.8 83.8#
 154 0.0 62.4 93.6#

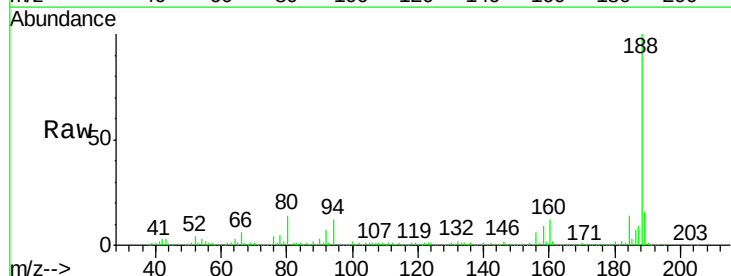


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

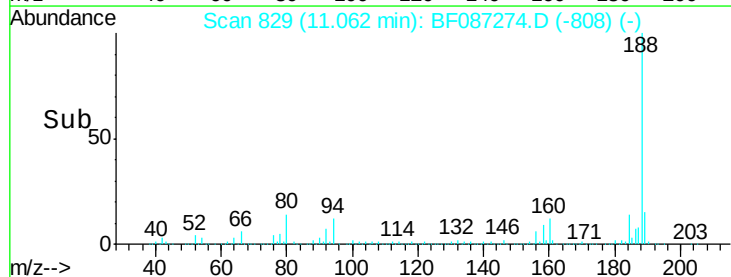
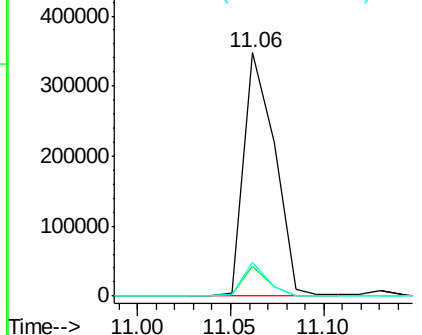


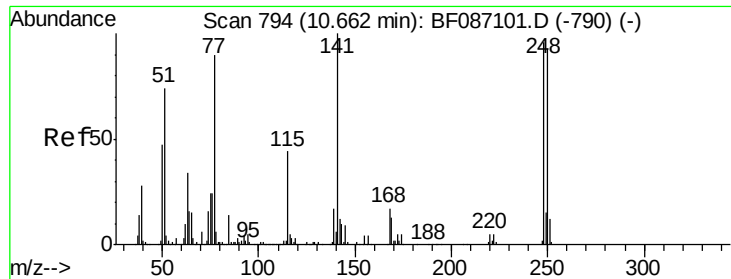
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.06 min Scan# 829
 Delta R.T. -0.06 min
 Lab File: BF087274.D
 Acq: 21 May 2016 15:53

Tgt Ion:188 Resp: 402488
 Ion Ratio Lower Upper
 188 100
 94 12.4 6.8 10.2#
 80 14.0 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





#66

4-Bromophenyl-phenylether

Concen: 3.16 ng

RT: 10.39 min Scan# 770

Delta R.T. -0.29 min

Lab File: BF087274.D

Acq: 21 May 2016 15:53

Instrument :

BNA_F

ClientSampleId :

SYSDIS-051916

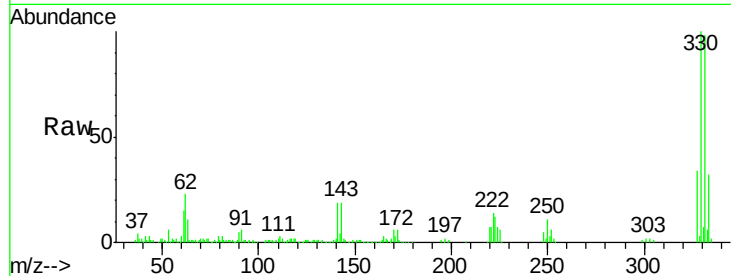
Tgt Ion:248 Resp: 13079

Ion Ratio Lower Upper

248 100

250 201.8 78.6 117.8#

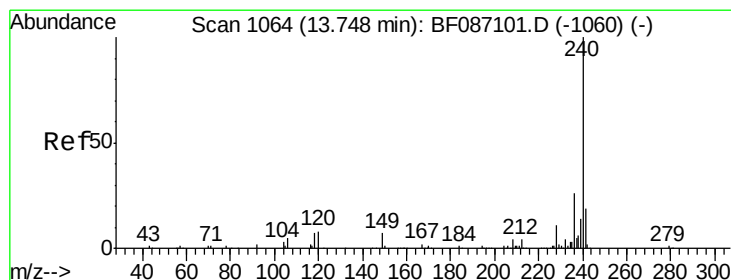
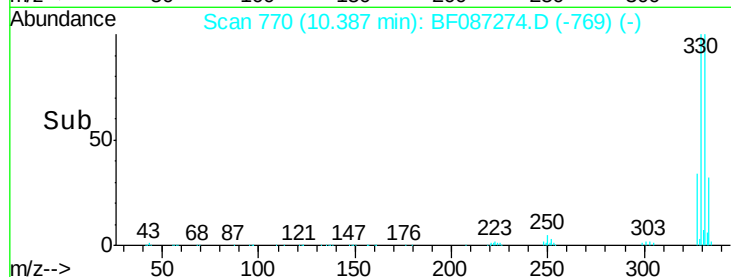
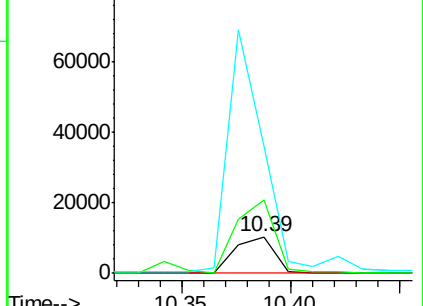
141 349.5 76.0 114.0#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.69 min Scan# 1059

Delta R.T. -0.07 min

Lab File: BF087274.D

Acq: 21 May 2016 15:53

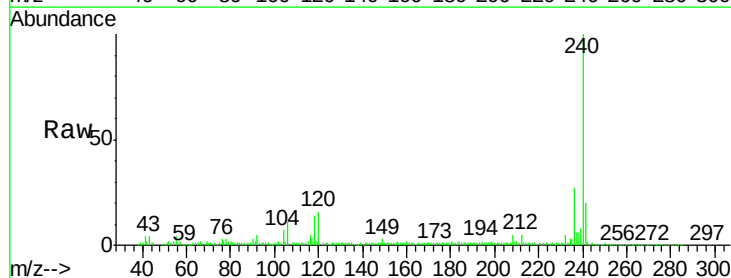
Tgt Ion:240 Resp: 262192

Ion Ratio Lower Upper

240 100

120 15.8 11.2 16.8

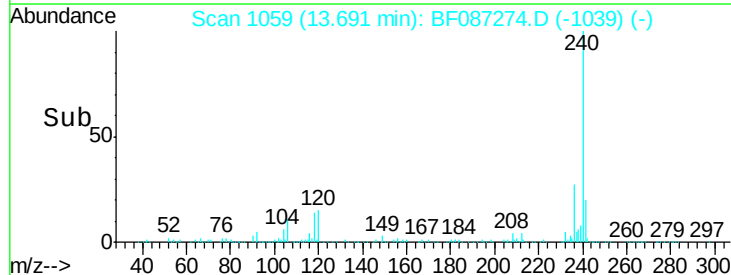
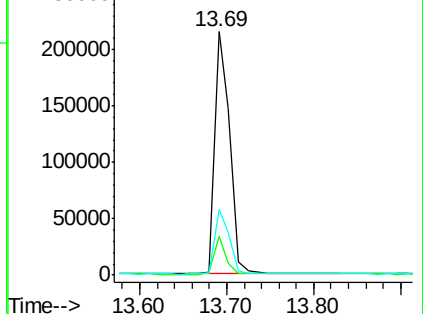
236 26.9 21.2 31.8

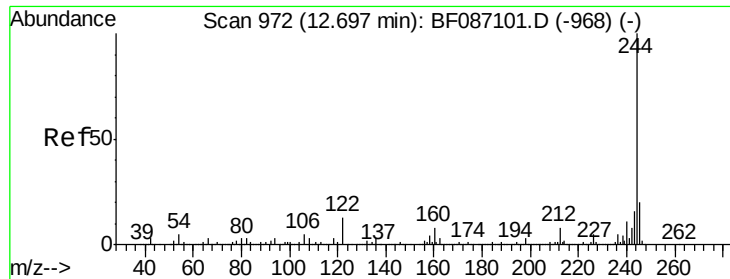


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 87.47 ng

RT: 12.65 min Scan# 968

Delta R.T. -0.06 min

Lab File: BF087274.D

Acq: 21 May 2016 15:53

Instrument :

BNA_F

ClientSampleId :

SYSDIS-051916

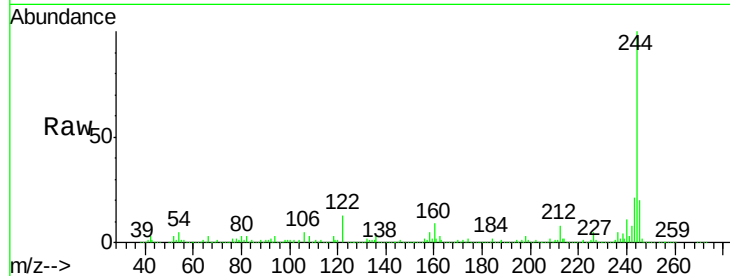
Tgt Ion:244 Resp: 1013873

Ion Ratio Lower Upper

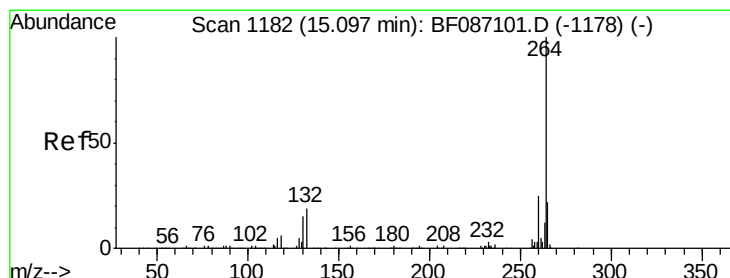
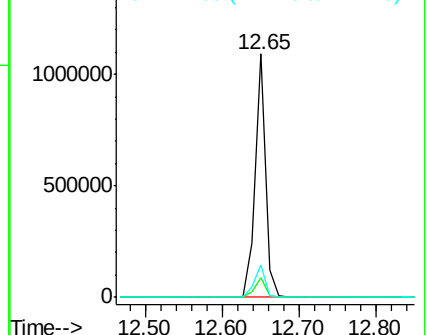
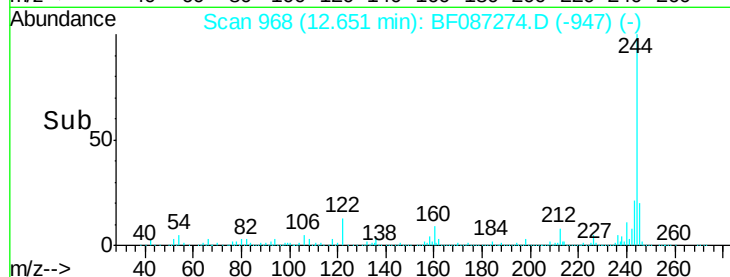
244 100

212 8.1 6.2 9.2

122 13.4 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: 15.05 min Scan# 1178

Delta R.T. -0.06 min

Lab File: BF087274.D

Acq: 21 May 2016 15:53

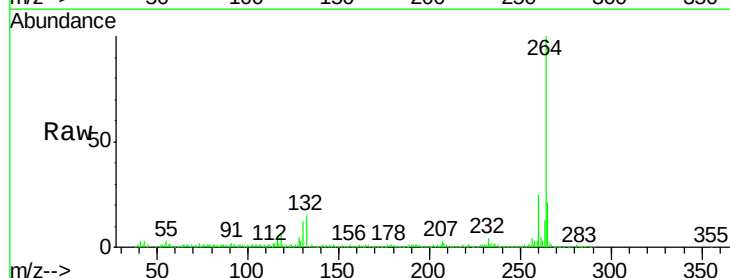
Tgt Ion:264 Resp: 236301

Ion Ratio Lower Upper

264 100

260 24.6 19.5 29.3

265 21.1 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

