

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091115\
 Data File : BF081589.D
 Acq On : 11 Sep 2015 18:05
 Operator : UM/IZ
 Sample : G3507-01DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SYSDIS083115DL

Quant Time: Sep 12 01:23:12 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 11 23:14:51 2015
 Response via : Initial Calibration

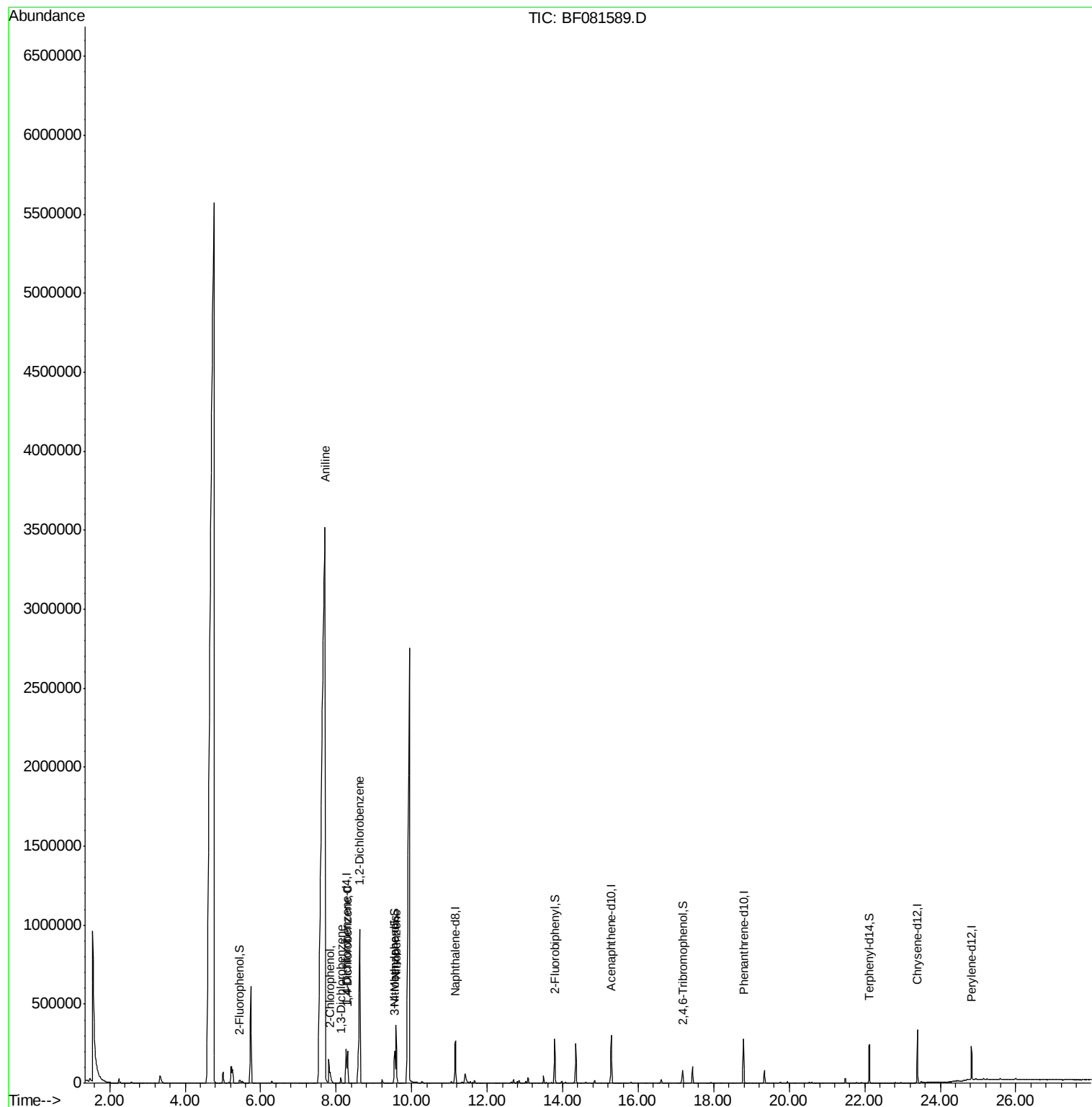
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.26	152	54040	20.00	ng	0.01
21) Naphthalene-d8	11.16	136	218431	20.00	ng	0.00
38) Acenaphthene-d10	15.28	164	102758	20.00	ng	-0.01
63) Phenanthrene-d10	18.79	188	201216	20.00	ng	0.00
75) Chrysene-d12	23.40	240	128429	20.00	ng	-0.01
86) Perylene-d12	24.82	264	102789	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	16447	4.72	ng	0.05
7) Phenol-d6	7.73	99	5450	1.18	ng	0.05
23) Nitrobenzene-d5	9.54	82	82008	18.11	ng	-0.01
41) 2,4,6-Tribromophenol	17.18	330	16232	17.74	ng	-0.02
44) 2-Fluorobiphenyl	13.78	172	148964	18.58	ng	-0.02
78) Terphenyl-d14	22.13	244	117994	21.39	ng	0.00
Target Compounds						
6) Aniline	7.70	93	7675695	1178.97	ng	# 84
8) 2-Chlorophenol	7.84	128	26813	6.99	ng	# 79
12) 1,3-Dichlorobenzene	8.11	146	12546	3.06	ng	# 89
13) 1,4-Dichlorobenzene	8.30	146	72676	17.41	ng	# 89
14) 1,2-Dichlorobenzene	8.62	146	405963	107.98	ng	# 89
20) 3+4-Methylphenols	9.53	107	16496m	4.00	ng	
24) Nitrobenzene	9.59	77	201314	42.82	ng	# 64

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.26 min Scan# 606

Delta R.T. 0.01 min

Lab File: BF081589.D

Acq: 11 Sep 2015 18:05

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BNA_F

ClientSampleId :

SYSDIS083115DL

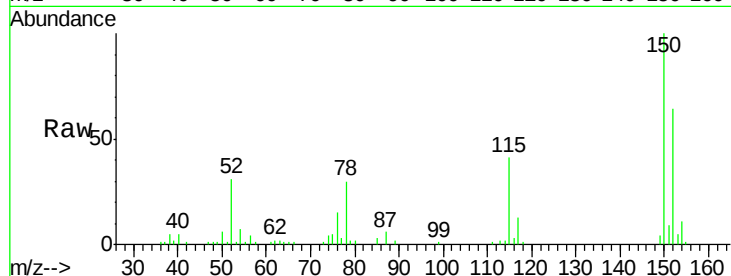
Tgt Ion:152 Resp: 54040

Ion Ratio Lower Upper

152 100

150 156.0 124.7 187.1

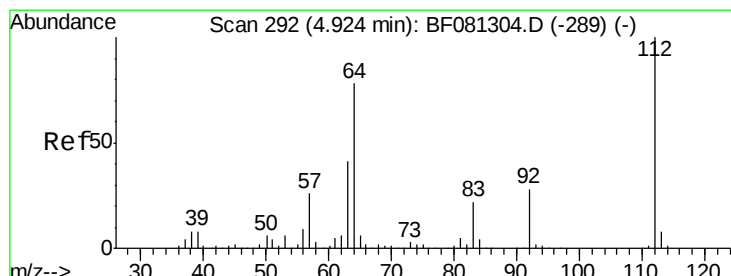
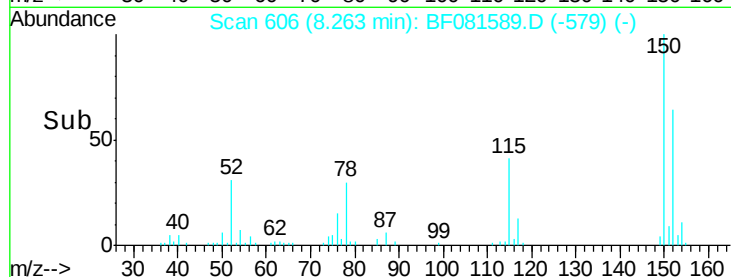
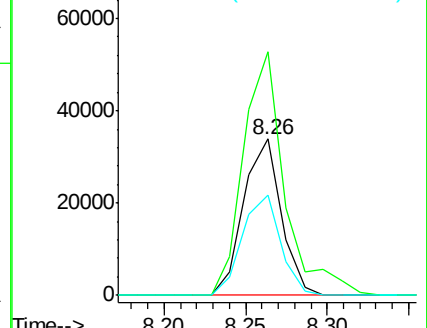
115 64.4 39.0 58.4#



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: 4.72 ng

RT: 5.44 min Scan# 359

Delta R.T. 0.05 min

Lab File: BF081589.D

Acq: 11 Sep 2015 18:05

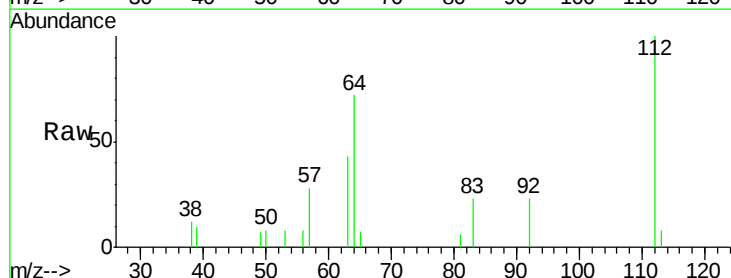
Tgt Ion:112 Resp: 16447

Ion Ratio Lower Upper

112 100

64 71.8 39.7 59.5#

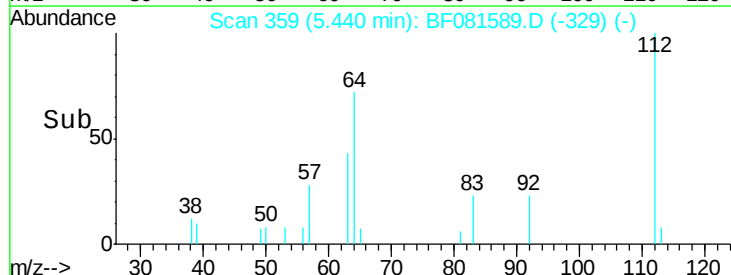
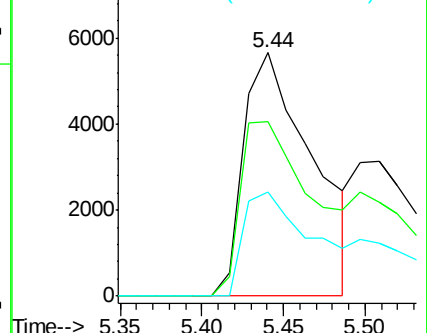
63 42.9 17.4 26.0#

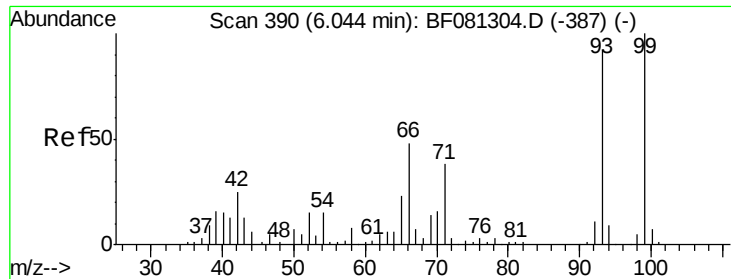


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 1178.97 ng

RT: 7.70 min Scan# 557

Delta R.T. 0.15 min

Lab File: BF081589.D

Acq: 11 Sep 2015 18:05

Instrument :

BNA_F

ClientSampleId :

SYSDIS083115DL

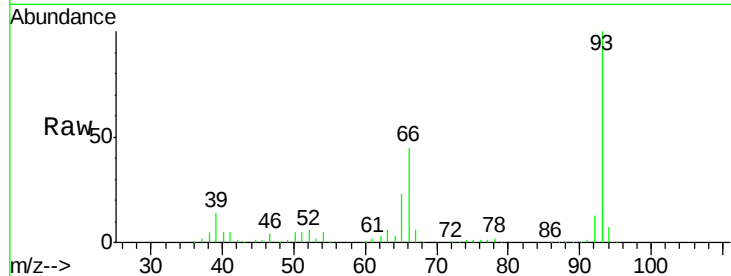
Tgt Ion: 93 Resp: 7675695

Ion Ratio Lower Upper

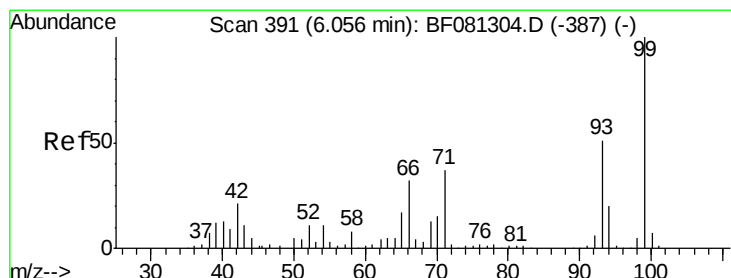
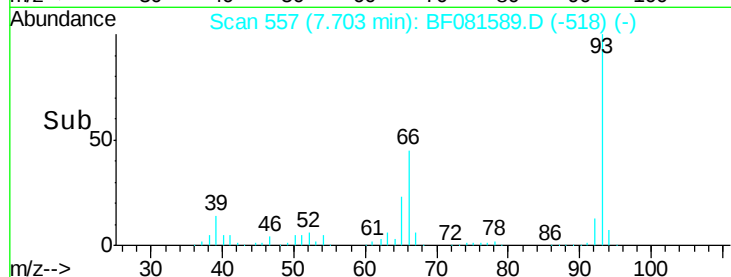
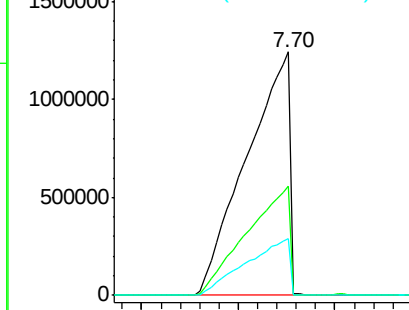
93 100

66 44.8 27.2 40.8#

65 23.2 14.7 22.1#



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 66.00 (65.70 to 66.70): BF0
Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 1.18 ng

RT: 7.73 min Scan# 559

Delta R.T. 0.05 min

Lab File: BF081589.D

Acq: 11 Sep 2015 18:05

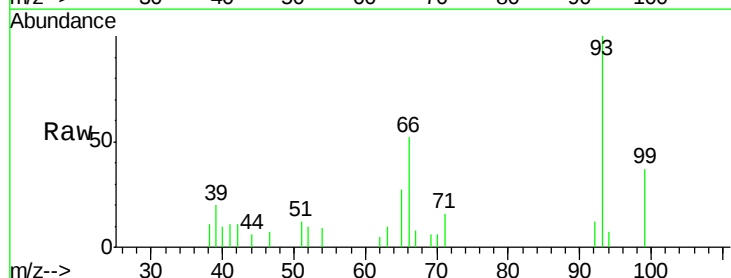
Tgt Ion: 99 Resp: 5450

Ion Ratio Lower Upper

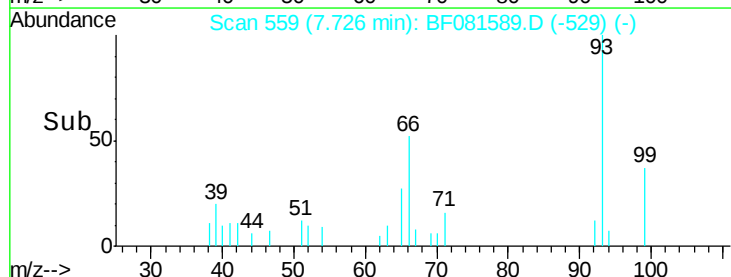
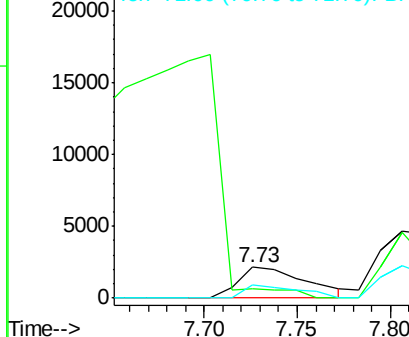
99 100

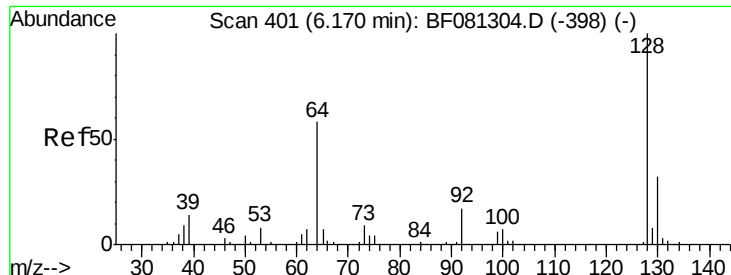
42 30.4 13.7 20.5#

71 44.5 14.2 21.2#



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





#8

2-Chlorophenol

Concen: 6.99 ng

RT: 7.84 min Scan# 569

Delta R.T. 0.03 min

Lab File: BF081589.D

Acq: 11 Sep 2015 18:05

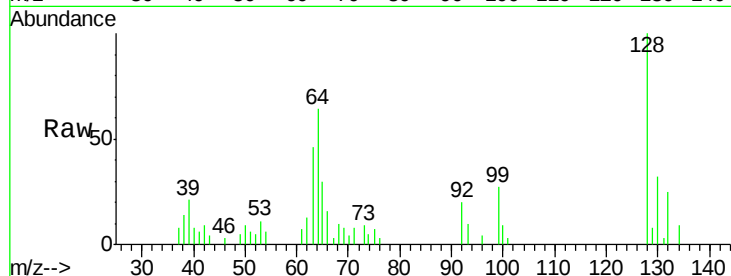
Instrument :

BNA_F

ClientSampleId :

SYSDIS083115DL

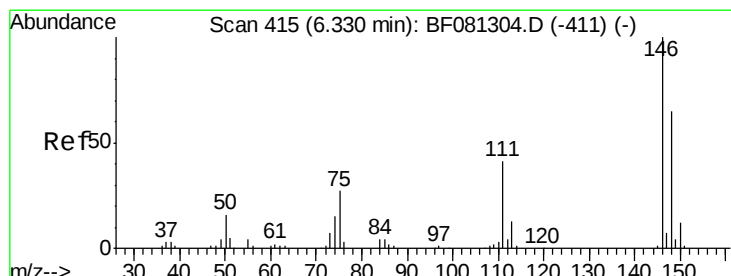
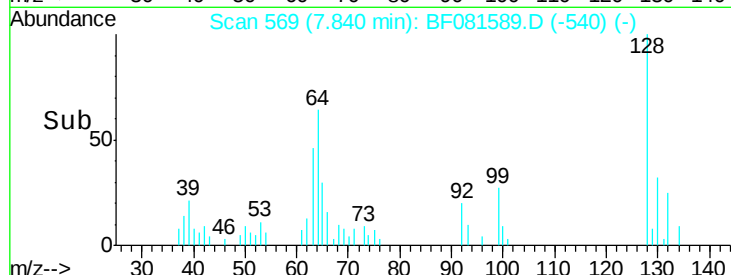
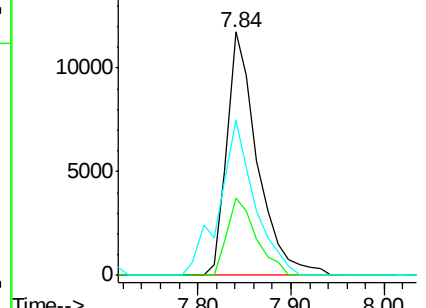
Tgt Ion:	128	Resp:	26813
Ion	Ratio	Lower	Upper
128	100		
130	31.7	12.2	52.2
64	63.7	20.5	60.5#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0



#12

1,3-Dichlorobenzene

Concen: 3.06 ng

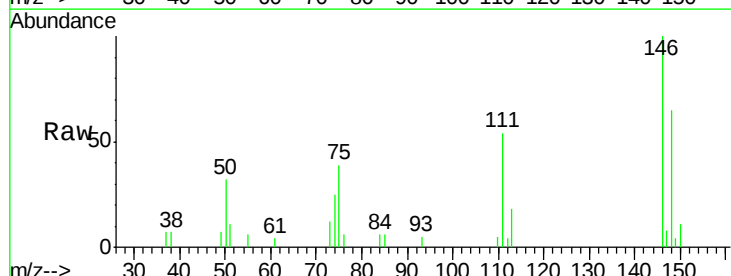
RT: 8.11 min Scan# 593

Delta R.T. 0.01 min

Lab File: BF081589.D

Acq: 11 Sep 2015 18:05

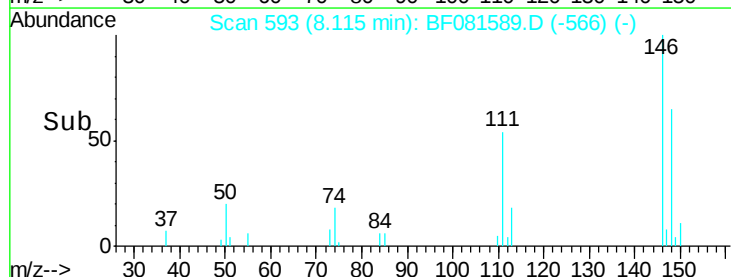
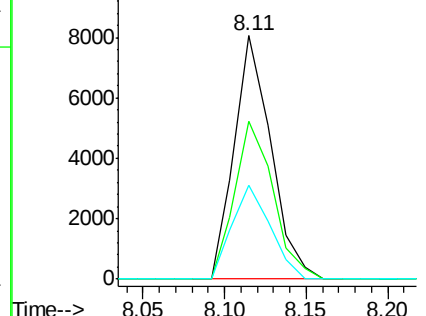
Tgt Ion:	146	Resp:	12546
Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.0	76.4
75	38.7	15.0	22.6#

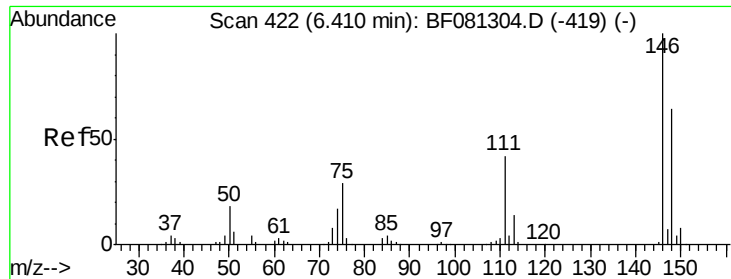


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0

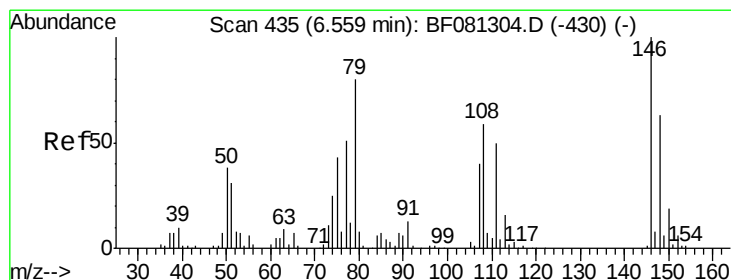
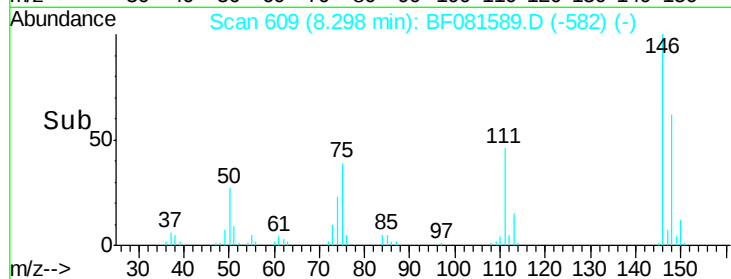
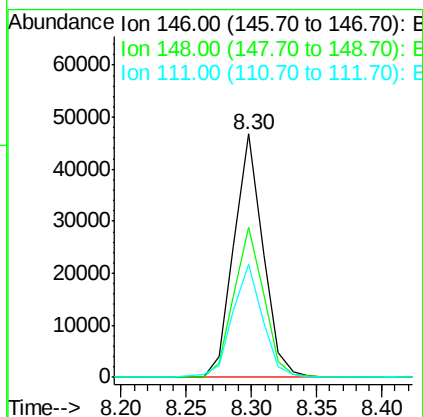
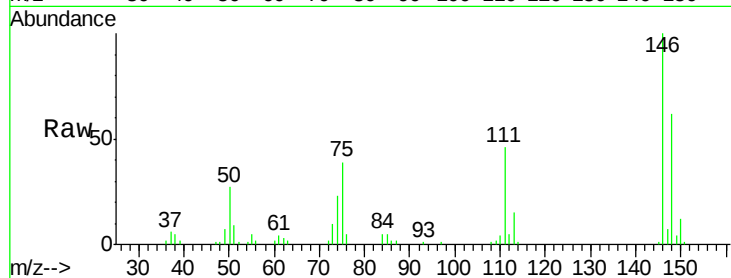




#13
 1,4-Dichlorobenzene
 Concen: 17.41 ng
 RT: 8.30 min Scan# 609
 Delta R.T. 0.01 min
 Lab File: BF081589.D
 Acq: 11 Sep 2015 18:05

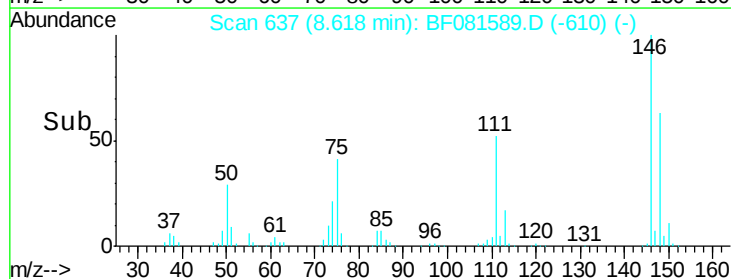
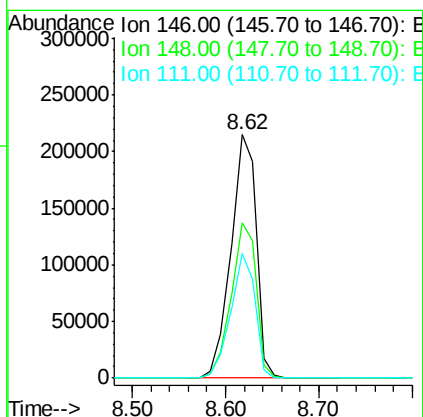
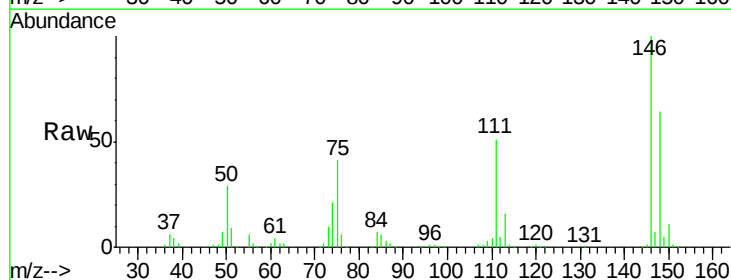
Instrument :
 BNA_F
 ClientSampleId :
 SYSDIS083115DL

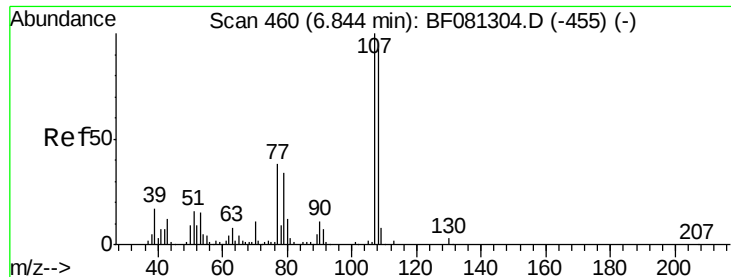
Tgt Ion:146 Resp: 72676
 Ion Ratio Lower Upper
 146 100
 148 61.9 51.8 77.6
 111 46.4 24.9 37.3#



#14
 1,2-Dichlorobenzene
 Concen: 107.98 ng
 RT: 8.62 min Scan# 637
 Delta R.T. 0.01 min
 Lab File: BF081589.D
 Acq: 11 Sep 2015 18:05

Tgt Ion:146 Resp: 405963
 Ion Ratio Lower Upper
 146 100
 148 63.9 52.7 79.1
 111 51.2 28.8 43.2#





#20

3+4-Methylphenols

Concen: 4.00 ng m

RT: 9.53 min Scan# 717

Delta R.T. 0.11 min

Lab File: BF081589.D

Acq: 11 Sep 2015 18:05

Instrument :

BNA_F

ClientSampleId :

SYSDIS083115DL

Tgt Ion:107 Resp: 16496

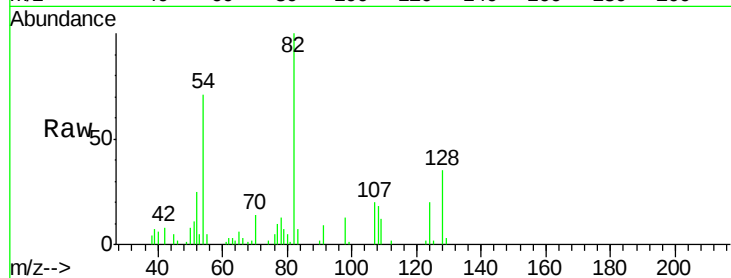
Ion Ratio Lower Upper

107 100

108 89.0 74.6 114.6

77 51.1 0.7 40.7#

79 34.4 0.0 38.9

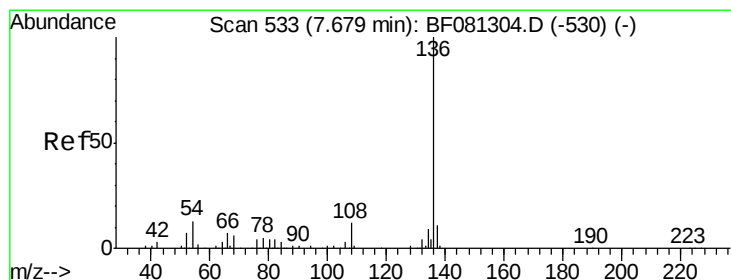
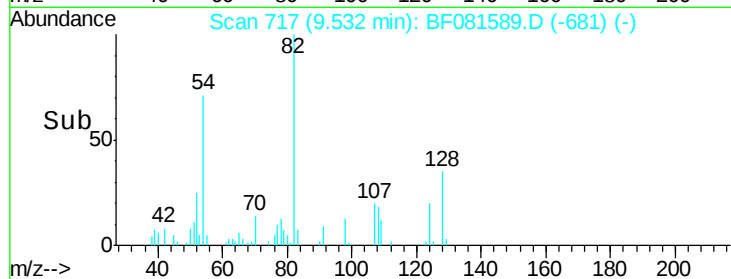
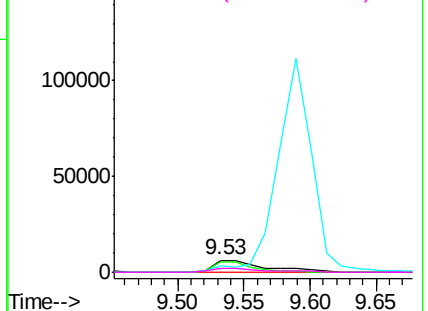


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.16 min Scan# 859

Delta R.T. 0.00 min

Lab File: BF081589.D

Acq: 11 Sep 2015 18:05

Tgt Ion:136 Resp: 218431

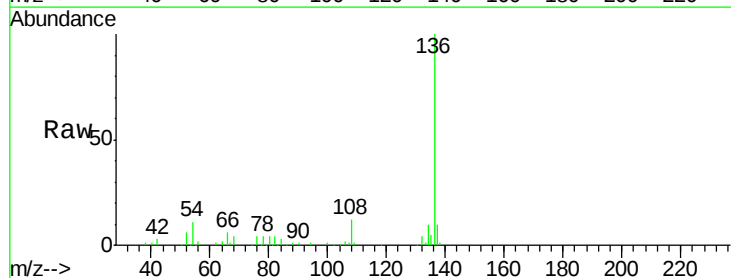
Ion Ratio Lower Upper

136 100

137 10.0 9.0 13.6

54 10.8 8.2 12.2

68 4.4 5.8 8.6#

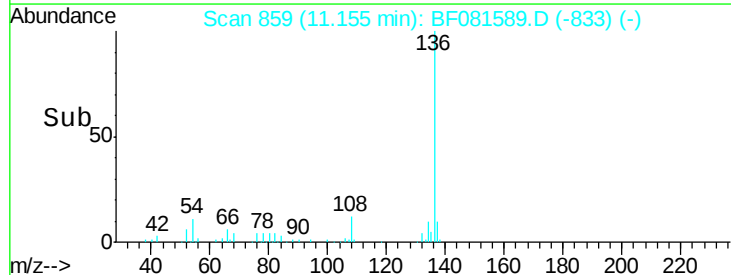
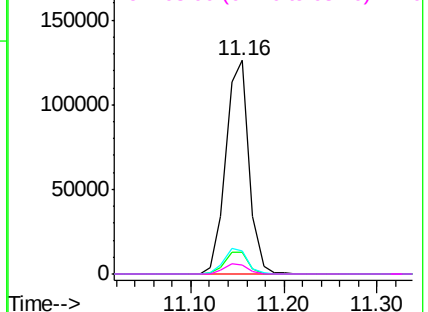


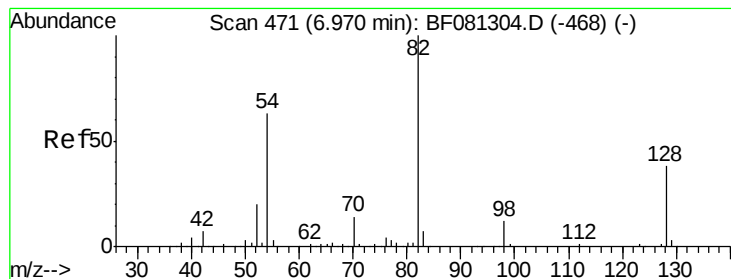
Abundance Ion 136.00 (135.70 to 136.70): E

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: 18.11 ng

RT: 9.54 min Scan# 718

Delta R.T. -0.01 min

Lab File: BF081589.D

Acq: 11 Sep 2015 18:05

Instrument :

BNA_F

ClientSampleId :

SYSDIS083115DL

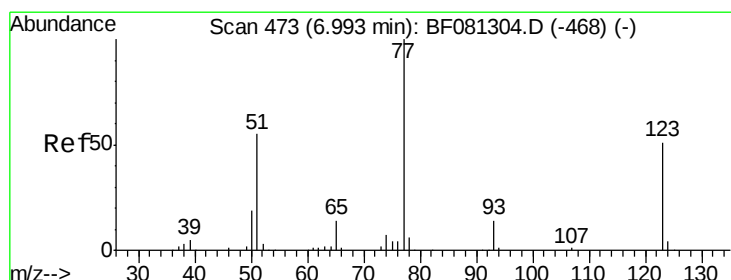
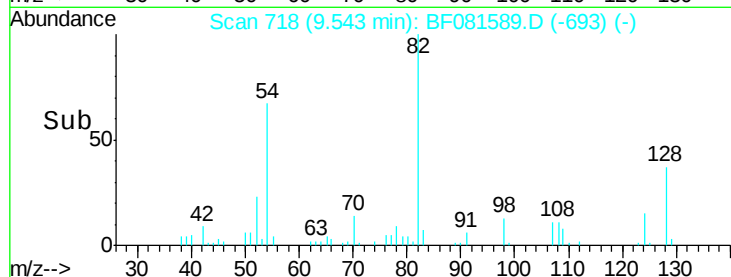
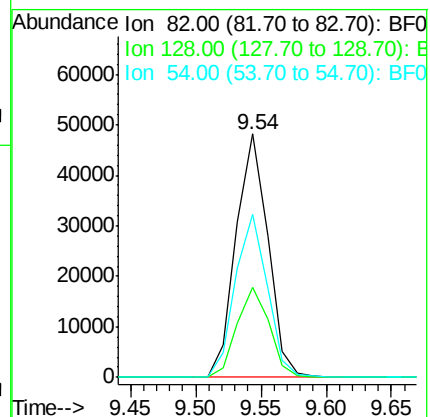
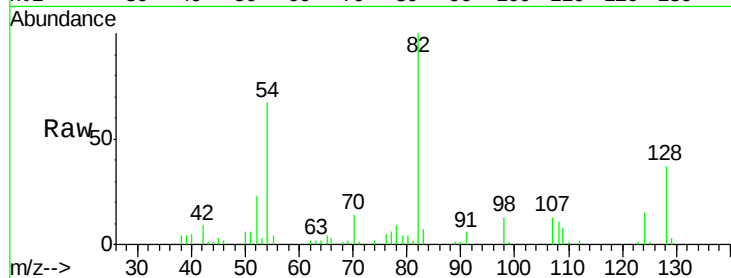
Tgt Ion: 82 Resp: 82008

Ion Ratio Lower Upper

82 100

128 36.7 51.0 76.6#

54 67.0 47.5 71.3



#24

Nitrobenzene

Concen: 42.82 ng

RT: 9.59 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF081589.D

Acq: 11 Sep 2015 18:05

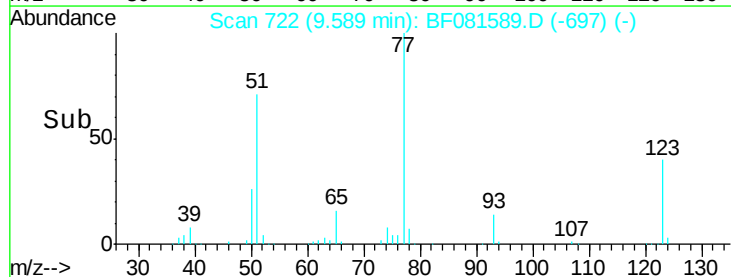
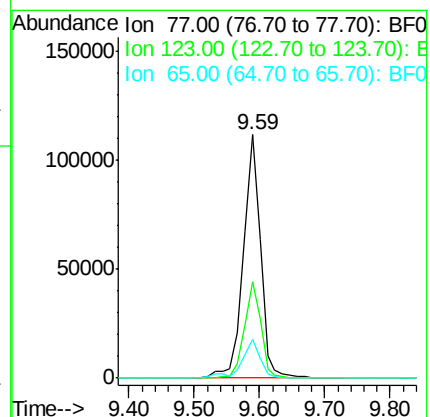
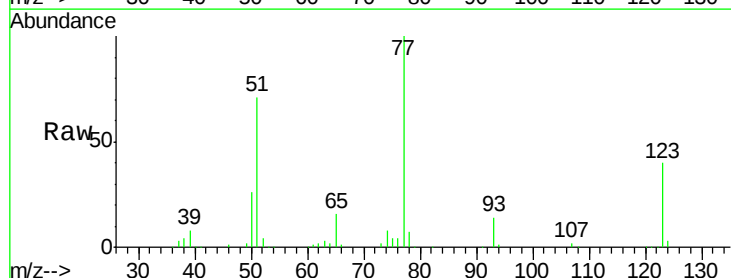
Tgt Ion: 77 Resp: 201314

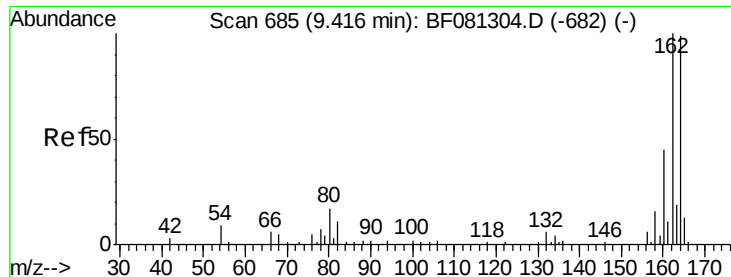
Ion Ratio Lower Upper

77 100

123 39.7 59.8 89.8#

65 15.8 10.2 15.4#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.28 min Scan# 1220

Delta R.T. -0.01 min

Lab File: BF081589.D

Acq: 11 Sep 2015 18:05

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SYSDIS083115DL

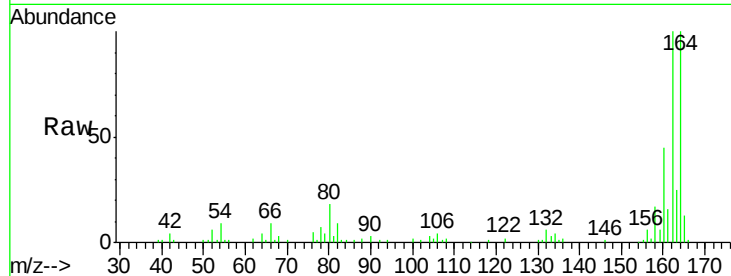
Tgt Ion:164 Resp: 102758

Ion Ratio Lower Upper

164 100

162 100.0 75.2 112.8

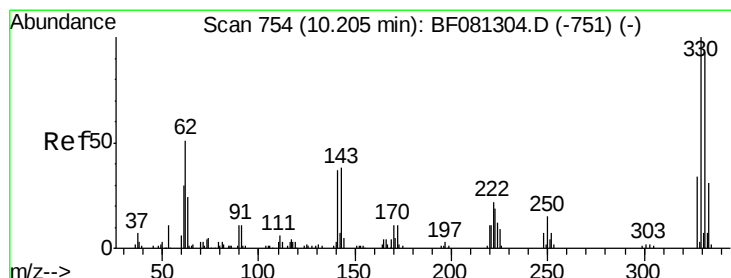
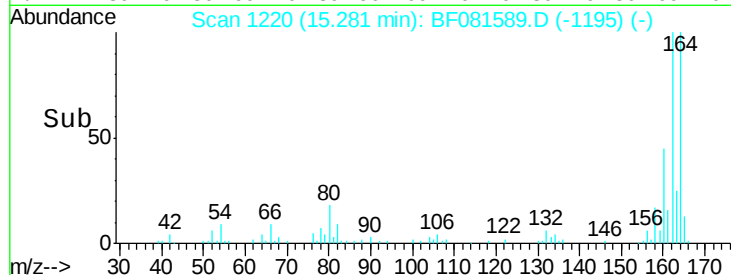
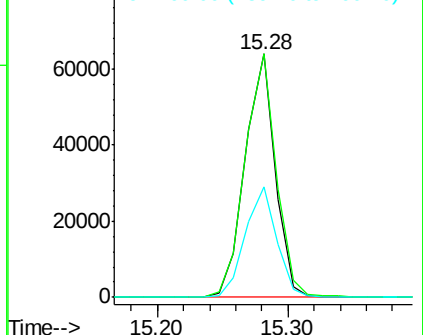
160 45.3 31.5 47.3



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: 17.74 ng

RT: 17.18 min Scan# 1386

Delta R.T. -0.02 min

Lab File: BF081589.D

Acq: 11 Sep 2015 18:05

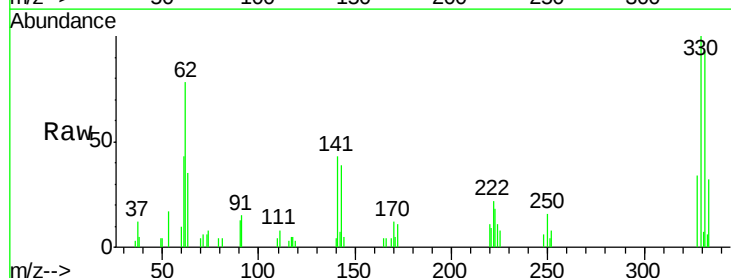
Tgt Ion:330 Resp: 16232

Ion Ratio Lower Upper

330 100

332 96.0 76.6 114.8

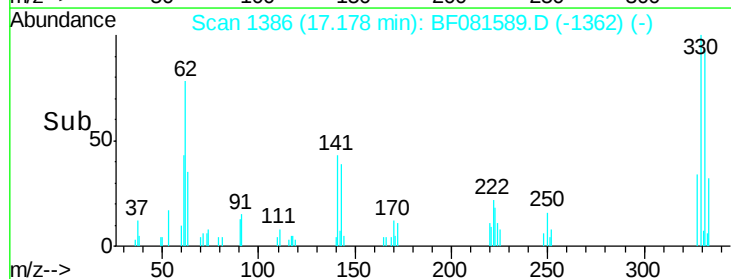
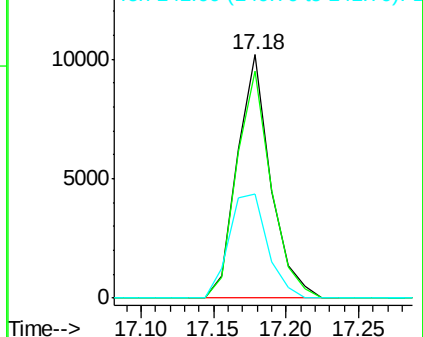
141 49.8 29.7 44.5#

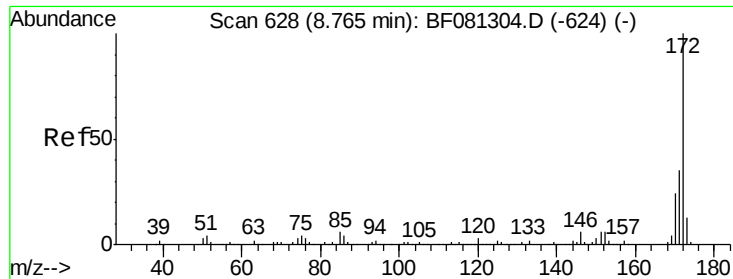


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

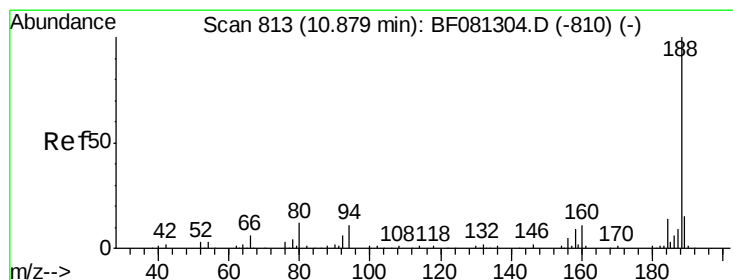
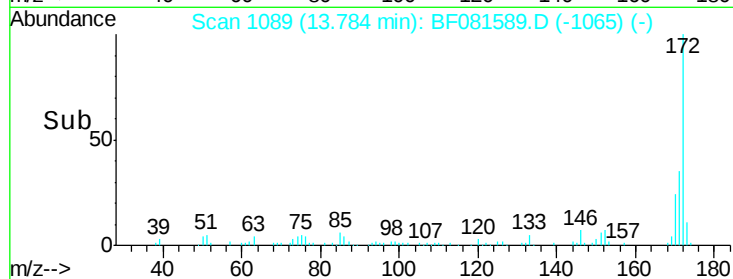
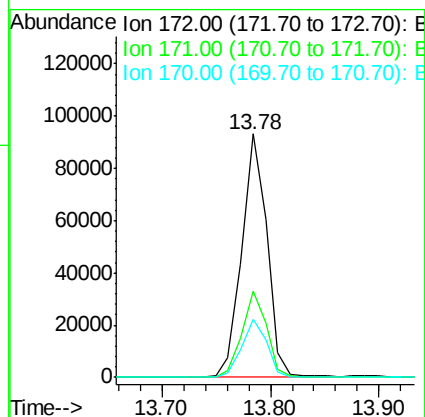
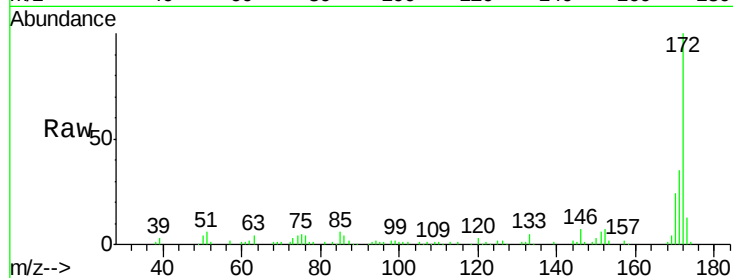




#44
2-Fluorobiphenyl
Concen: 18.58 ng
RT: 13.78 min Scan# 1089
Delta R.T. -0.02 min
Lab File: BF081589.D
Acq: 11 Sep 2015 18:05

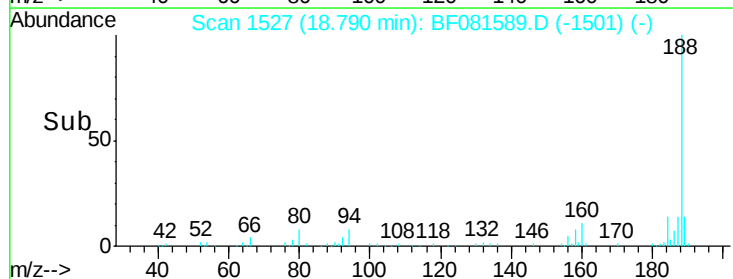
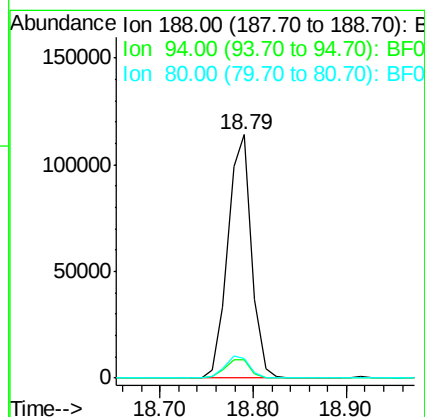
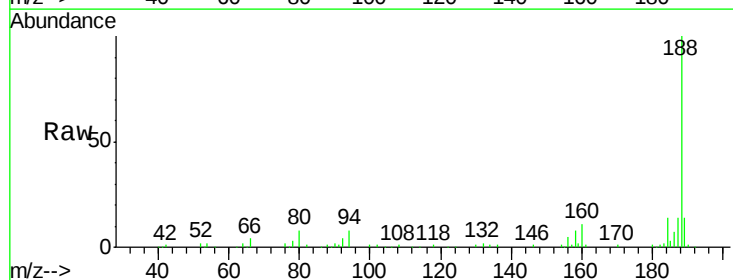
Instrument :
BNA_F
ClientSampleId :
SYSDIS083115DL

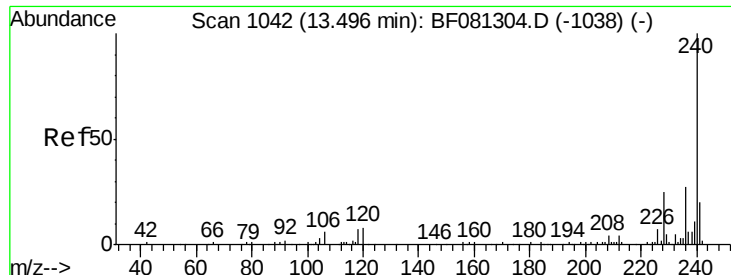
Tgt Ion:172 Resp: 148964
Ion Ratio Lower Upper
172 100
171 35.3 26.1 39.1
170 23.8 17.4 26.2



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.79 min Scan# 1527
Delta R.T. 0.00 min
Lab File: BF081589.D
Acq: 11 Sep 2015 18:05

Tgt Ion:188 Resp: 201216
Ion Ratio Lower Upper
188 100
94 7.6 11.1 16.7#
80 8.2 11.0 16.4#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 23.40 min Scan# 1930

Delta R.T. -0.01 min

Lab File: BF081589.D

Acq: 11 Sep 2015 18:05

Instrument :

BNA_F

ClientSampleId :

SYSDIS083115DL

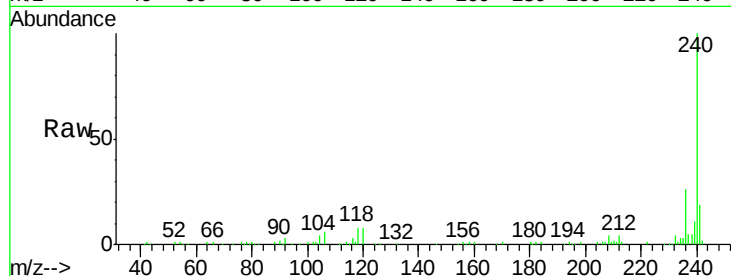
Tgt Ion:240 Resp: 128429

Ion Ratio Lower Upper

240 100

120 8.2 16.2 24.2#

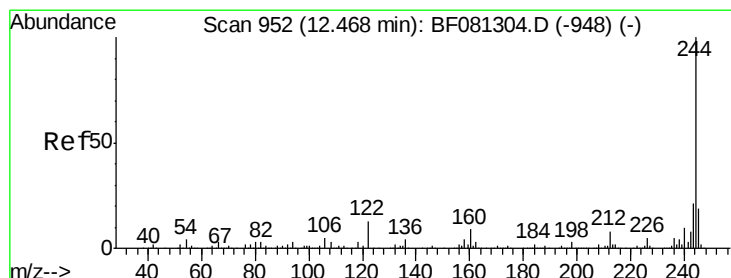
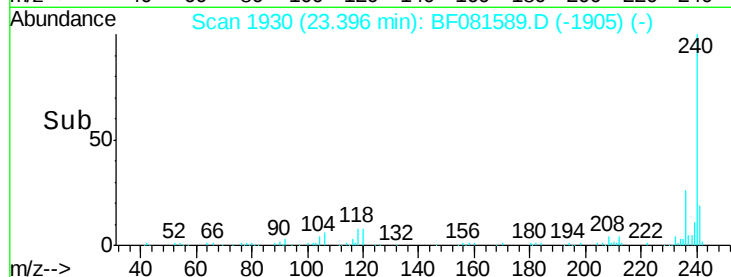
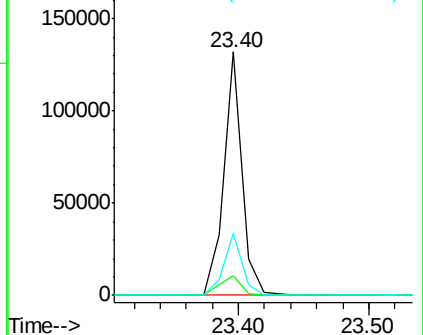
236 25.6 18.4 27.6



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: 21.39 ng

RT: 22.13 min Scan# 1819

Delta R.T. 0.00 min

Lab File: BF081589.D

Acq: 11 Sep 2015 18:05

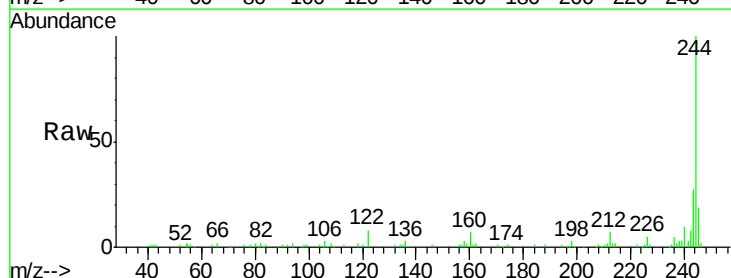
Tgt Ion:244 Resp: 117994

Ion Ratio Lower Upper

244 100

212 7.1 4.3 6.5#

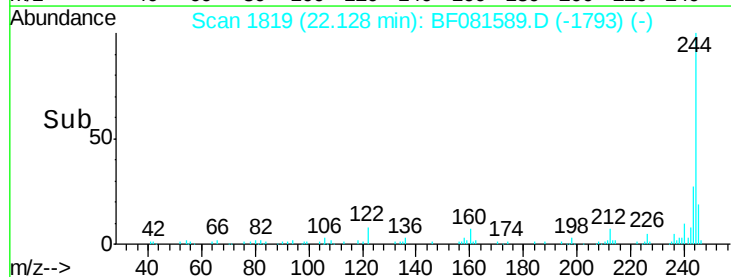
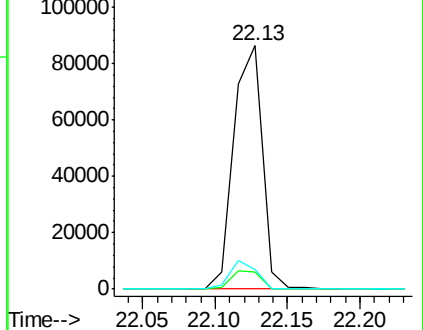
122 7.8 17.4 26.2#

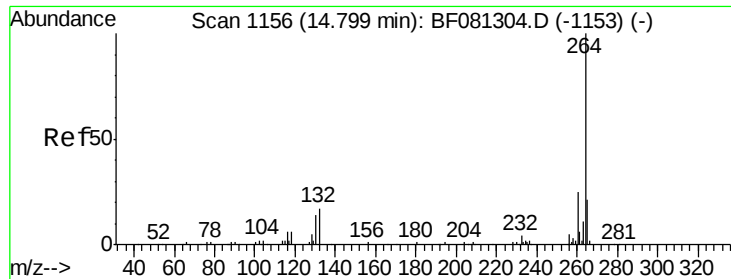


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

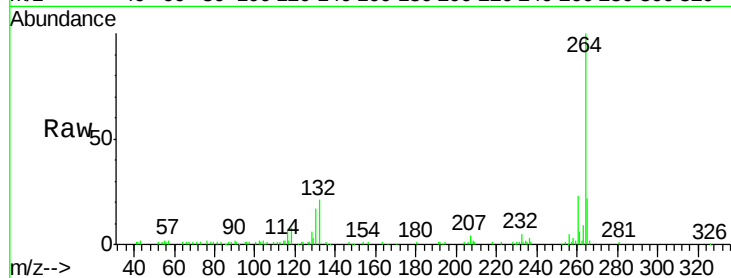




#86
Perylene-d12
Concen: 20.00 ng
RT: 24.82 min Scan# 2055
Delta R.T. -0.01 min
Lab File: BF081589.D
Acq: 11 Sep 2015 18:05

Instrument :
BNA_F
ClientSampleId :
SYSDIS083115DL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	16.7	25.1
265	22.1	17.2	25.8



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

