

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082316\
 Data File : BF089829.D
 Acq On : 23 Aug 2016 12:45
 Operator : UM/SJ
 Sample : H4547-06
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 D-5(1-1.5)

Quant Time: Aug 25 13:36:25 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 19 14:02:57 2016
 Response via : Initial Calibration

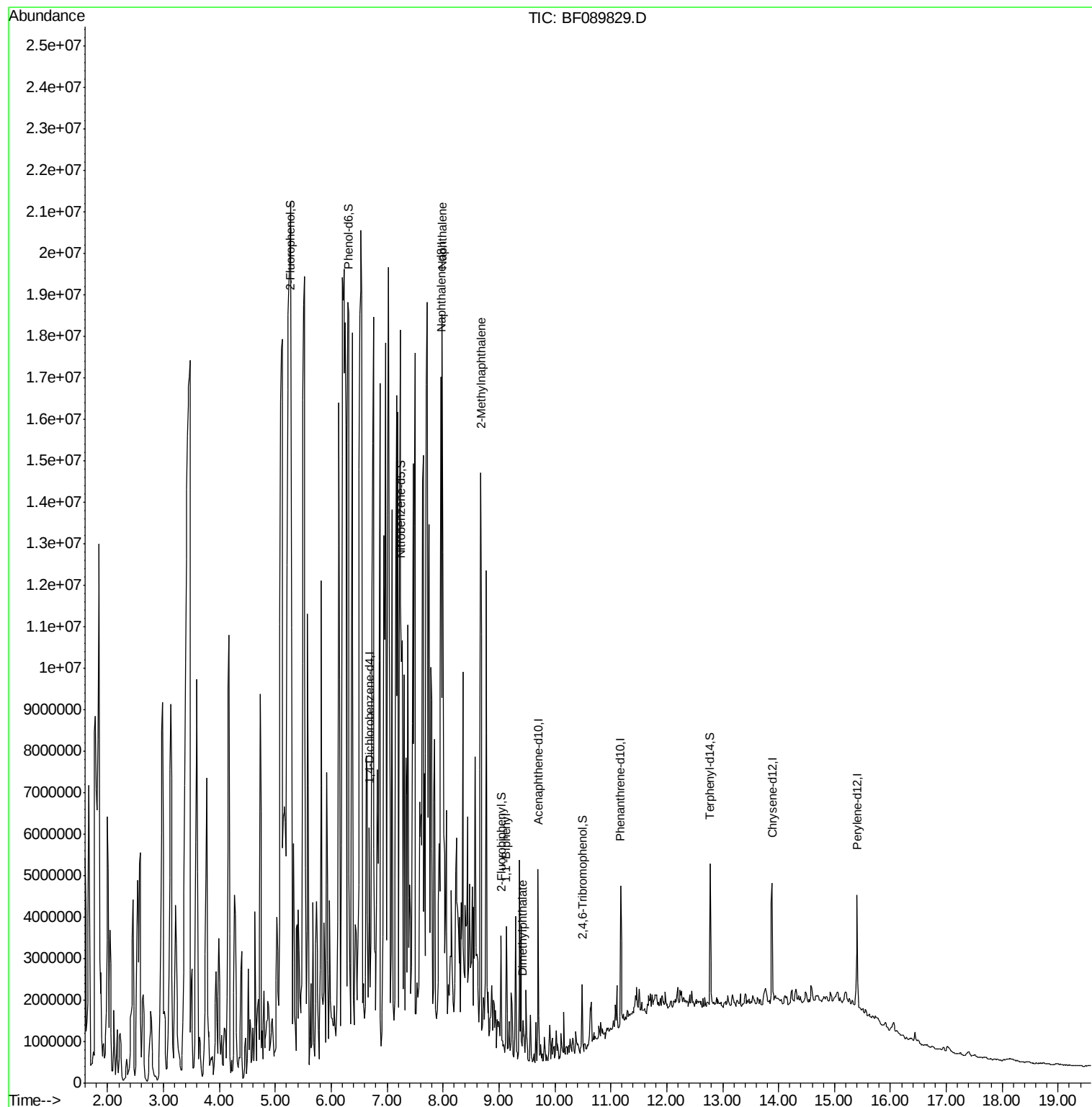
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	452772	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	1418016	20.00	ng	-0.01
38) Acenaphthene-d10	9.70	164	871273	20.00	ng	-0.01
63) Phenanthrene-d10	11.18	188	1560729	20.00	ng	-0.01
75) Chrysene-d12	13.89	240	1398259	20.00	ng	0.01
86) Perylene-d12	15.41	264	1133143	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	196412	7.44	ng	0.01
7) Phenol-d6	6.31	99	604753	18.66	ng	-0.01
23) Nitrobenzene-d5	7.24	82	584337	25.60	ng	-0.01
41) 2,4,6-Tribromophenol	10.49	330	292389	35.31	ng	-0.01
44) 2-Fluorobiphenyl	9.04	172	1261634	25.45	ng	-0.01
78) Terphenyl-d14	12.78	244	1156250	18.71	ng	-0.01
Target Compounds						
31) Naphthalene	7.99	128	7970599	120.27	ng	# 92
37) 2-Methylnaphthalene	8.67	142	6137939	143.16	ng	# 94
45) 1,1'-Biphenyl	9.13	154	176976	2.62	ng	96
49) Dimethylphthalate	9.43	163	398738	6.50	ng	100

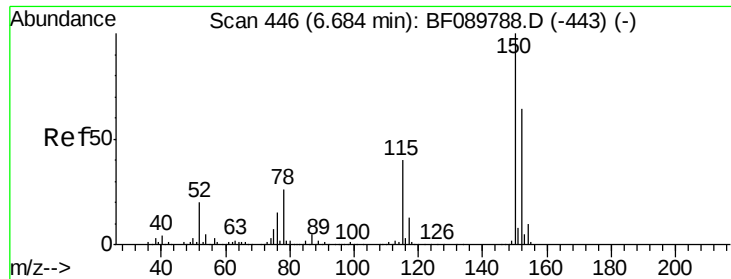
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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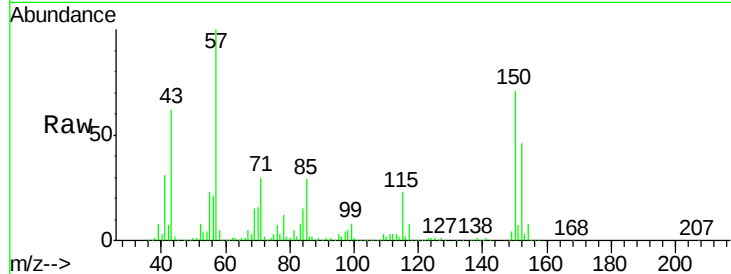


#1

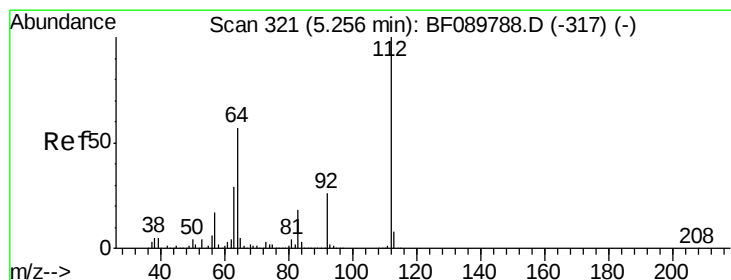
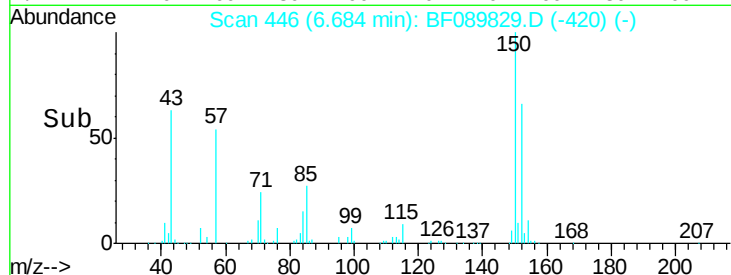
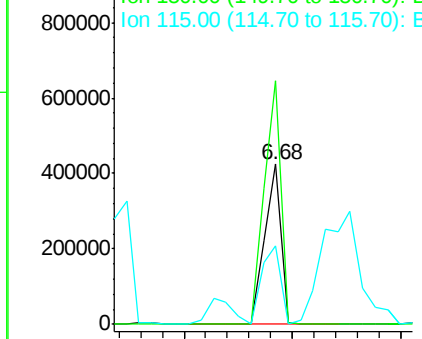
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.68 min Scan# 446
Delta R.T. -0.00 min
Lab File: BF089829.D
Acq: 23 Aug 2016 12:45

Instrument :
BNA_F
ClientSampleId :
D-5(1-1.5)

Tgt Ion:152 Resp: 452772
Ion Ratio Lower Upper
152 100
150 152.2 125.3 187.9
115 49.1 40.9 61.3



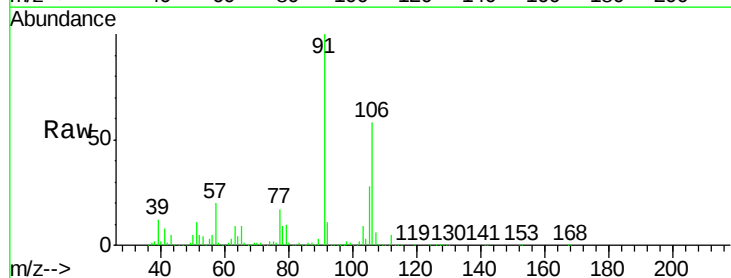
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



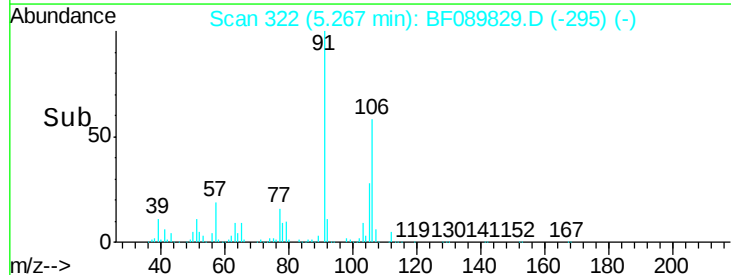
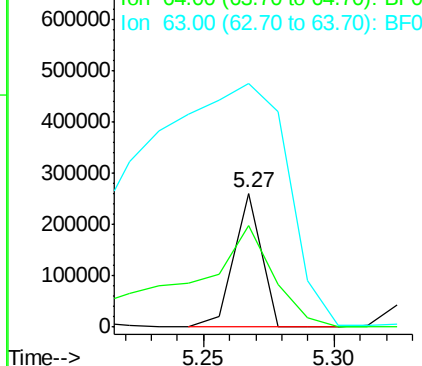
#5

2-Fluorophenol
Concen: 7.44 ng
RT: 5.27 min Scan# 322
Delta R.T. 0.01 min
Lab File: BF089829.D
Acq: 23 Aug 2016 12:45

Tgt Ion:112 Resp: 196412
Ion Ratio Lower Upper
112 100
64 75.9 45.0 67.4#
63 181.8 23.1 34.7#



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: 18.66 ng

RT: 6.31 min Scan# 413

Delta R.T. -0.01 min

Lab File: BF089829.D

Acq: 23 Aug 2016 12:45

Instrument :

BNA_F

ClientSampleId :

D-5(1-1.5)

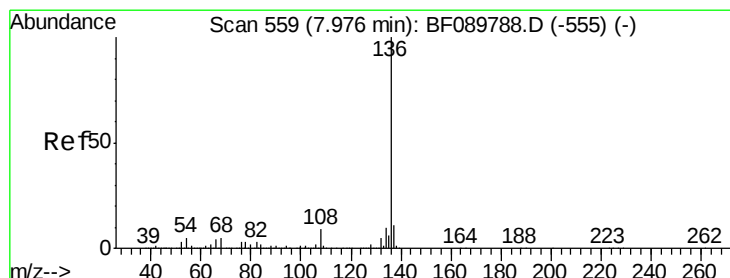
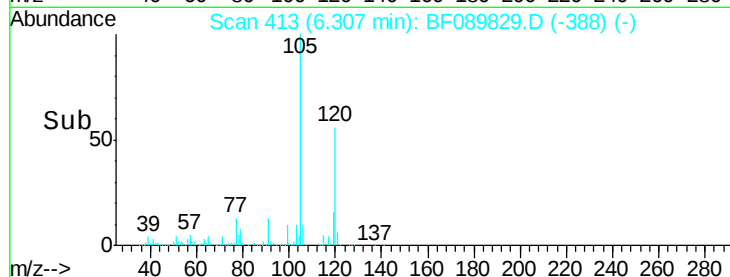
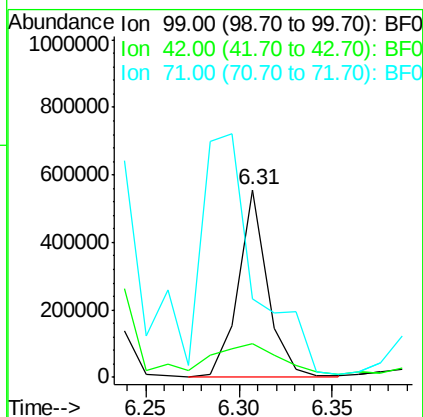
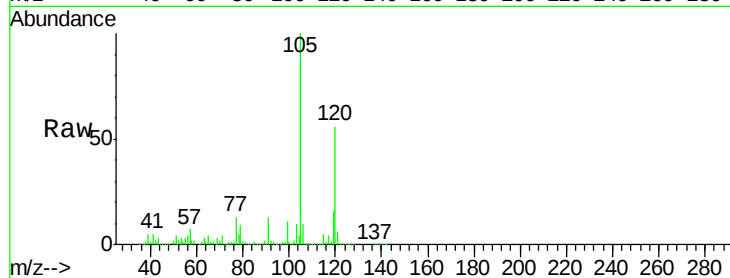
Tgt Ion: 99 Resp: 604753

Ion Ratio Lower Upper

99 100

42 17.9 12.2 18.4

71 42.0 23.8 35.8#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.96 min Scan# 558

Delta R.T. -0.01 min

Lab File: BF089829.D

Acq: 23 Aug 2016 12:45

Tgt Ion: 136 Resp: 1418016

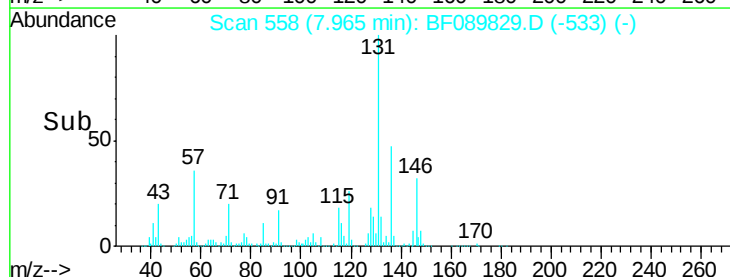
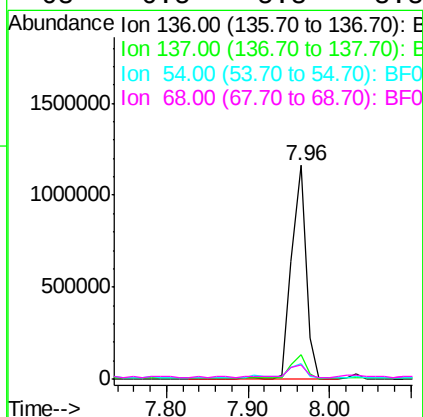
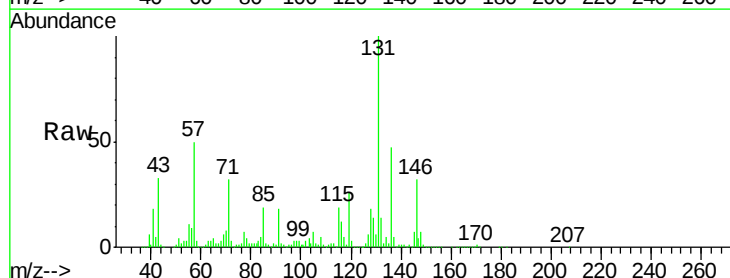
Ion Ratio Lower Upper

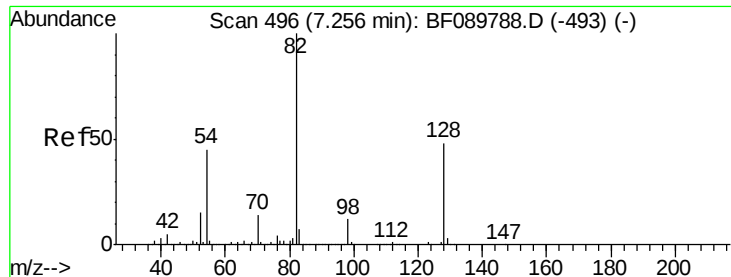
136 100

137 11.2 9.2 13.8

54 7.1 7.2 10.8#

68 6.5 5.8 8.8

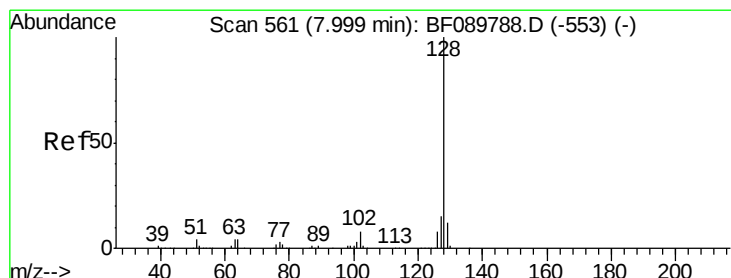
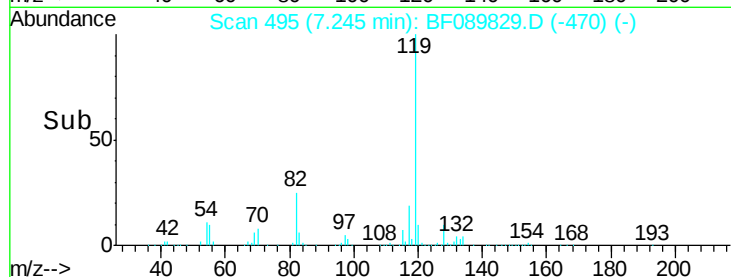
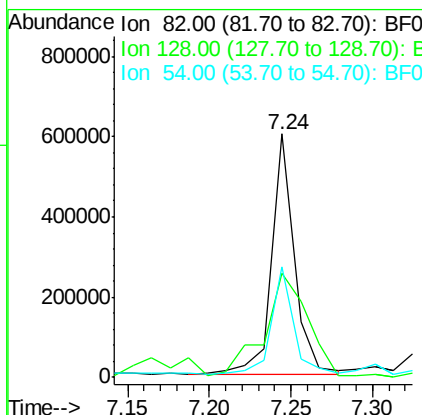
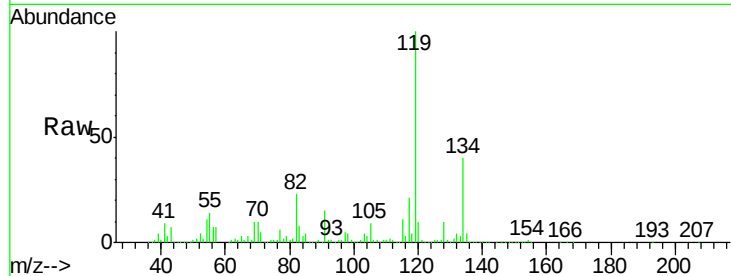




#23
 Nitrobenzene-d5
 Concen: 25.60 ng
 RT: 7.24 min Scan# 495
 Delta R.T. -0.01 min
 Lab File: BF089829.D
 Acq: 23 Aug 2016 12:45

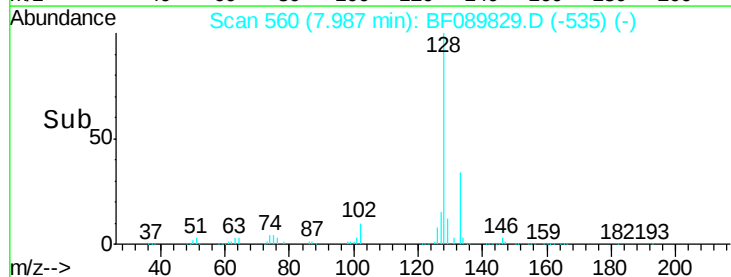
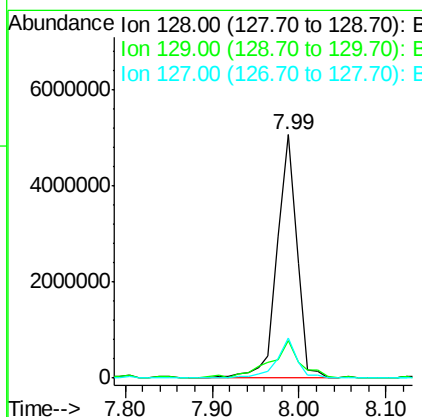
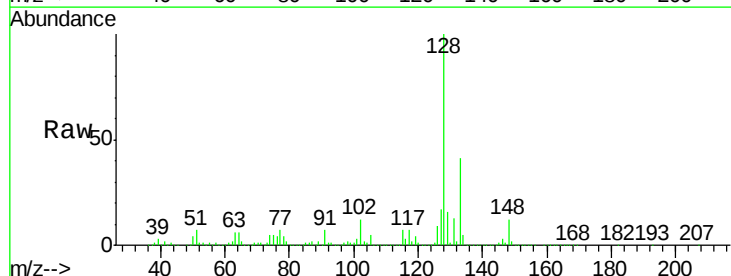
Instrument :
 BNA_F
 ClientSampleId :
 D-5(1-1.5)

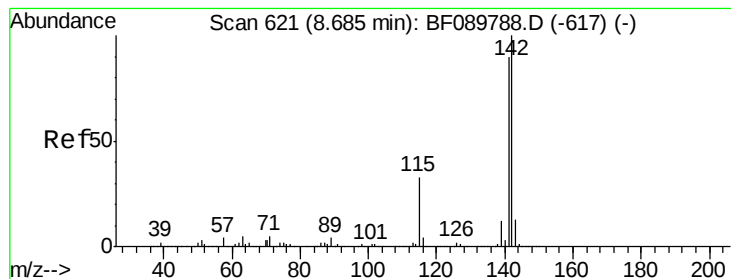
Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.6	34.4	51.6
54	45.4	40.3	60.5



#31
 Naphthalene
 Concen: 120.27 ng
 RT: 7.99 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: BF089829.D
 Acq: 23 Aug 2016 12:45

Tgt Ion	Ratio	Lower	Upper
128	100		
129	15.7	9.5	14.3#
127	16.7	11.3	16.9





#37

2-Methylnaphthalene

Concen: 143.16 ng

RT: 8.67 min Scan# 620

Delta R.T. -0.01 min

Lab File: BF089829.D

Acq: 23 Aug 2016 12:45

Instrument :

BNA_F

ClientSampleId :

D-5(1-1.5)

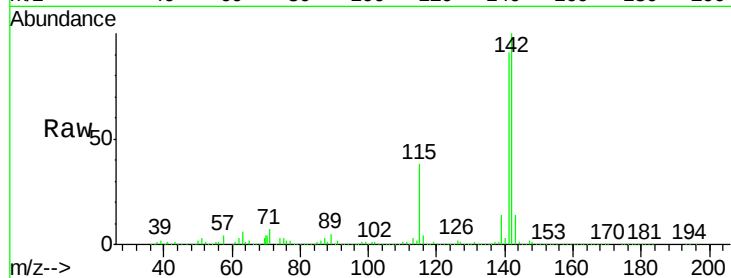
Tgt Ion:142 Resp: 6137939

Ion Ratio Lower Upper

142 100

141 91.0 71.4 107.2

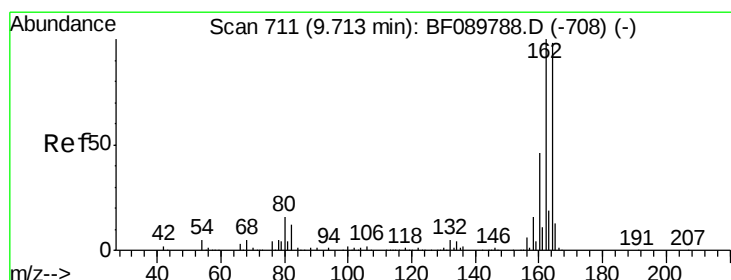
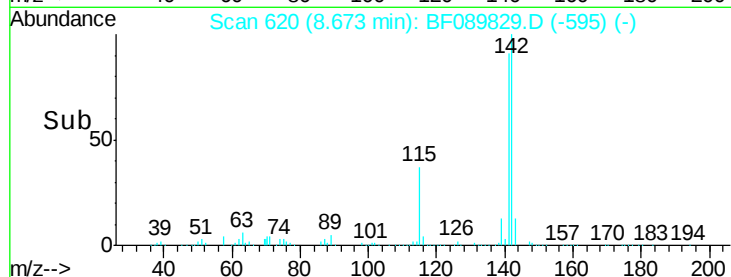
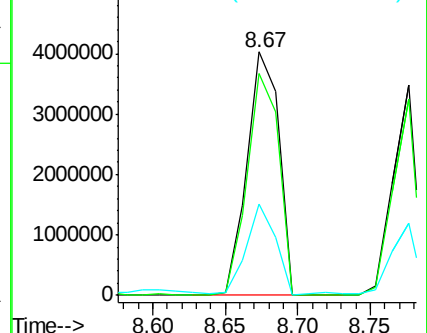
115 37.7 22.7 34.1#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.70 min Scan# 710

Delta R.T. -0.01 min

Lab File: BF089829.D

Acq: 23 Aug 2016 12:45

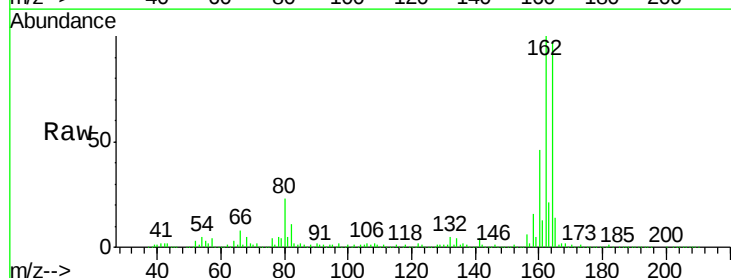
Tgt Ion:164 Resp: 871273

Ion Ratio Lower Upper

164 100

162 102.9 81.4 122.2

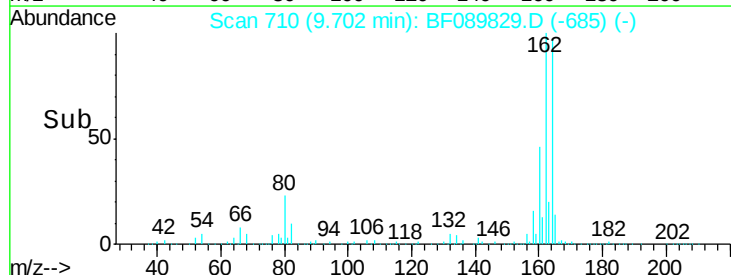
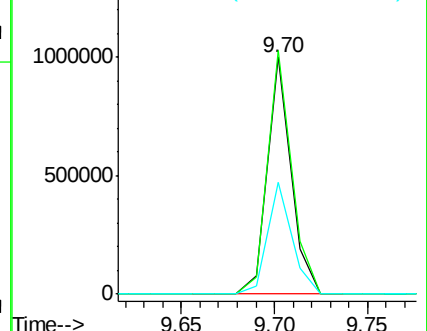
160 47.5 37.8 56.6

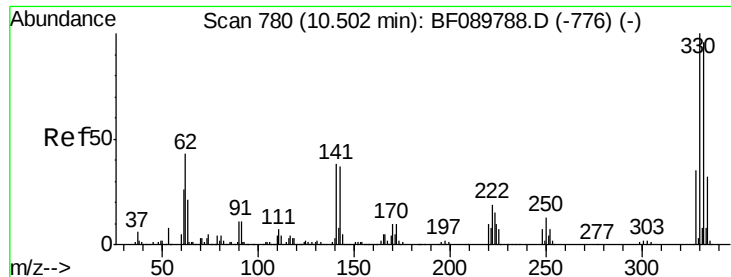


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

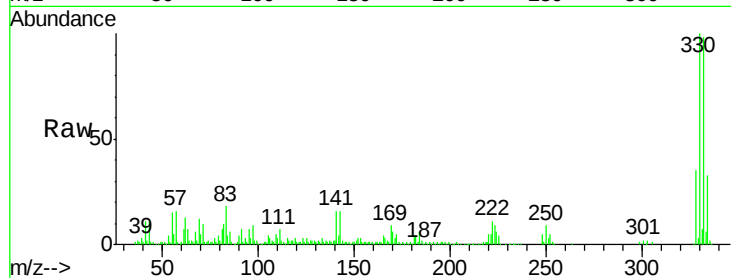




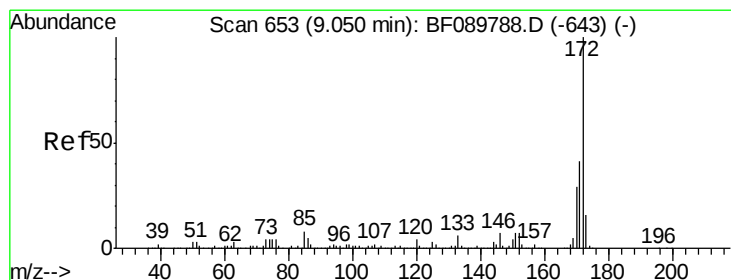
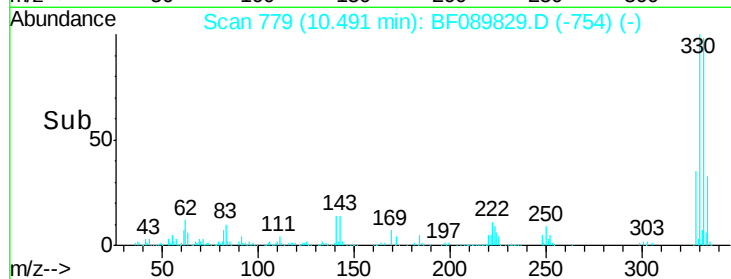
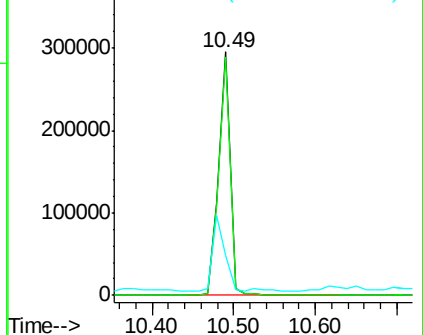
#41
 2,4,6-Tribromophenol
 Concen: 35.31 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.01 min
 Lab File: BF089829.D
 Acq: 23 Aug 2016 12:45

Instrument :
 BNA_F
 ClientSampleId :
 D-5(1-1.5)

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.5	76.7	115.1
141	34.1	30.2	45.2

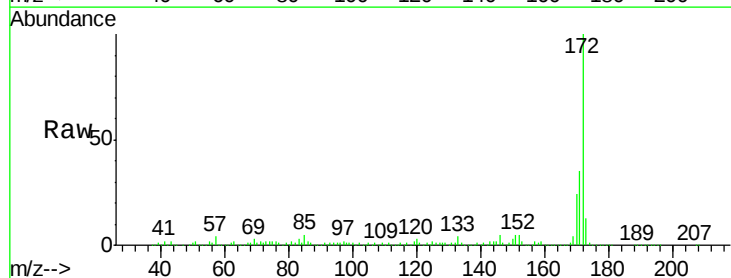


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

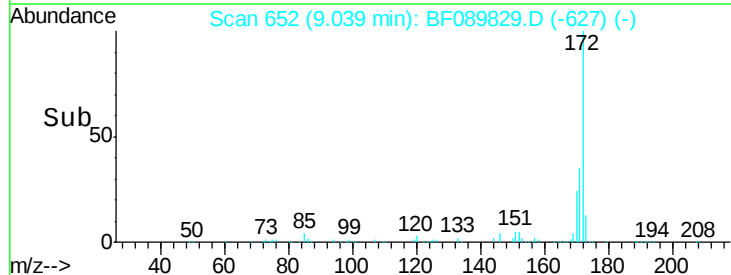
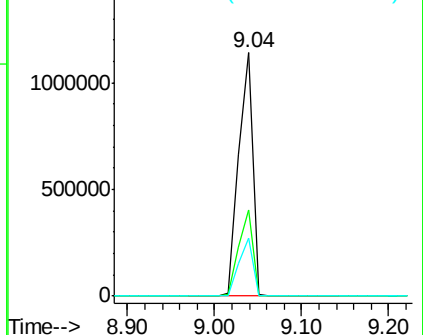


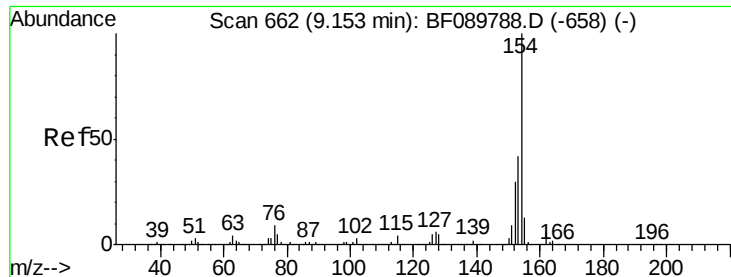
#44
 2-Fluorobiphenyl
 Concen: 25.45 ng
 RT: 9.04 min Scan# 652
 Delta R.T. -0.01 min
 Lab File: BF089829.D
 Acq: 23 Aug 2016 12:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	30.5	45.7
170	23.6	20.6	31.0



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

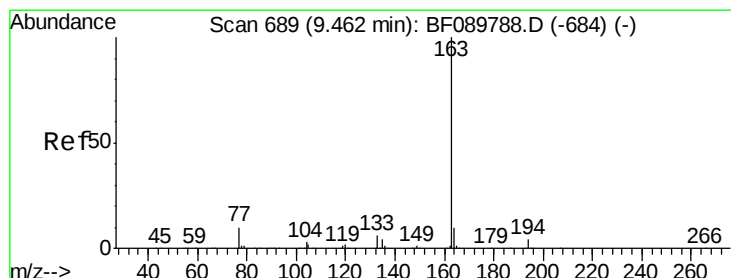
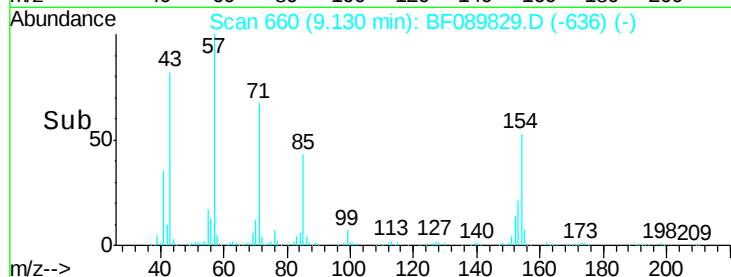
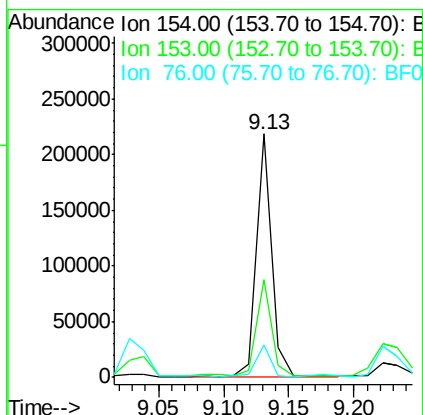
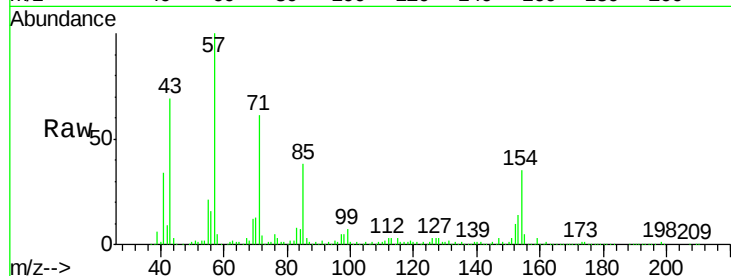




#45
 1,1'-Biphenyl
 Concen: 2.62 ng
 RT: 9.13 min Scan# 660
 Delta R.T. -0.02 min
 Lab File: BF089829.D
 Acq: 23 Aug 2016 12:45

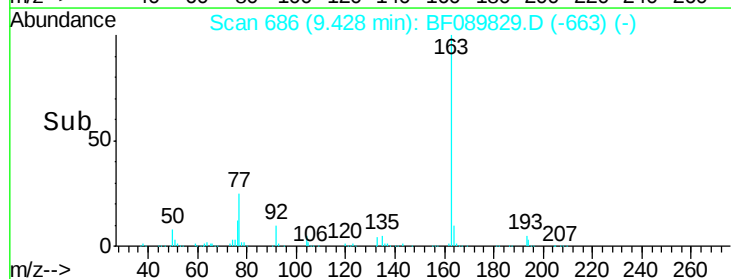
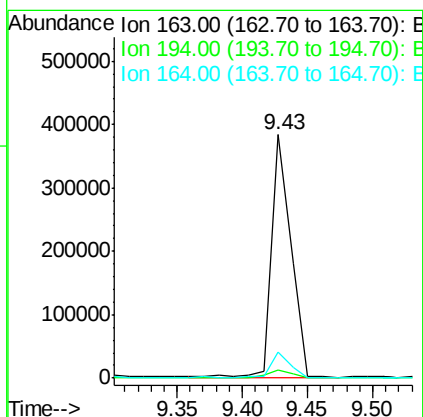
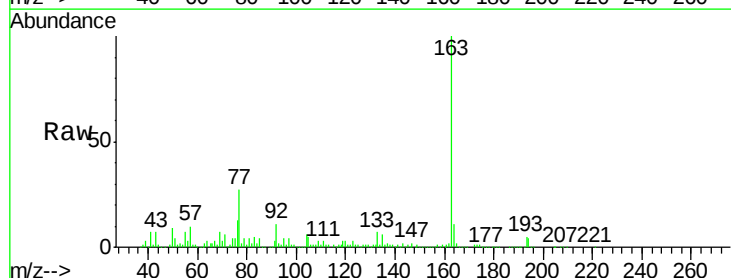
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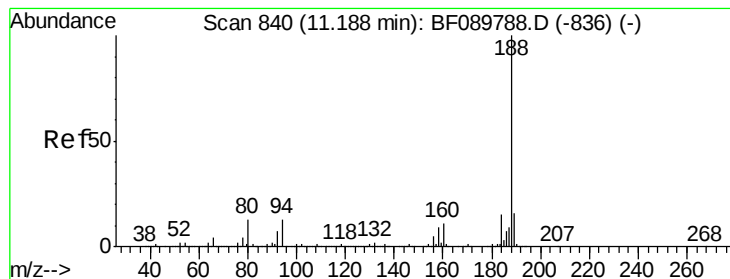
Tgt Ion:	154	Resp:	176976
Ion	Ratio	Lower	Upper
154	100		
153	40.1	21.5	61.5
76	13.1	0.0	36.7



#49
 Dimethylphthalate
 Concen: 6.50 ng
 RT: 9.43 min Scan# 686
 Delta R.T. -0.03 min
 Lab File: BF089829.D
 Acq: 23 Aug 2016 12:45

Tgt Ion:	163	Resp:	398738
Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.6	3.8
164	10.7	8.6	12.8





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.18 min Scan# 839

Delta R.T. -0.01 min

Lab File: BF089829.D

Acq: 23 Aug 2016 12:45

Instrument :

BNA_F

ClientSampleId :

D-5(1-1.5)

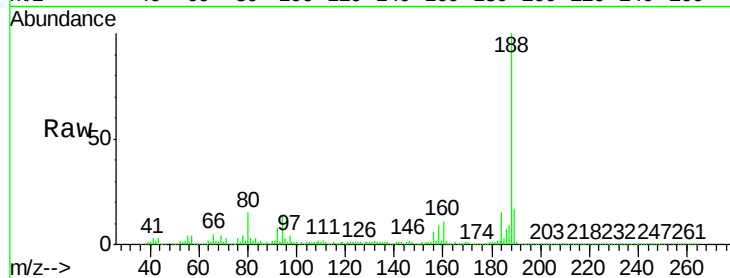
Tgt Ion:188 Resp: 1560729

Ion Ratio Lower Upper

188 100

94 14.3 10.2 15.2

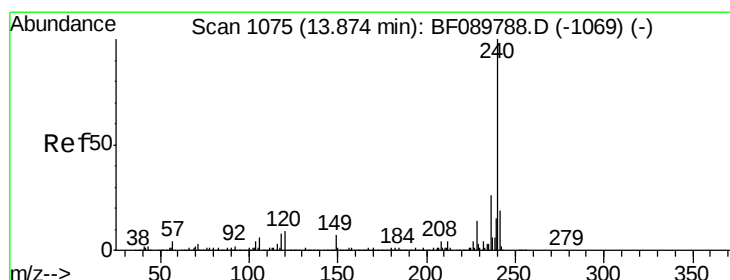
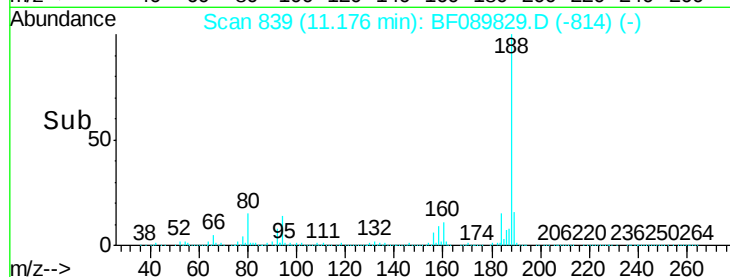
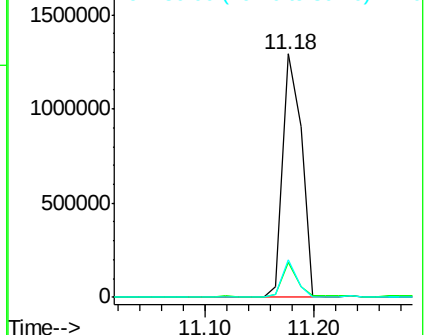
80 15.5 10.9 16.3



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: 13.89 min Scan# 1076

Delta R.T. 0.01 min

Lab File: BF089829.D

Acq: 23 Aug 2016 12:45

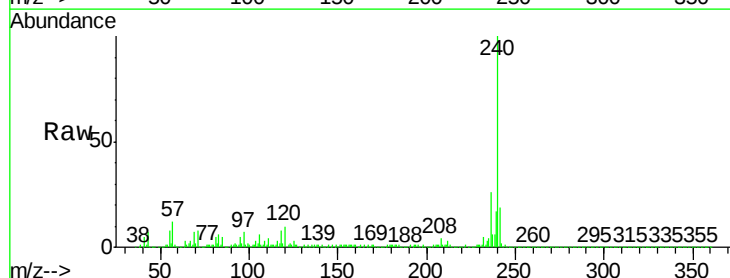
Tgt Ion:240 Resp: 1398259

Ion Ratio Lower Upper

240 100

120 9.5 8.3 12.5

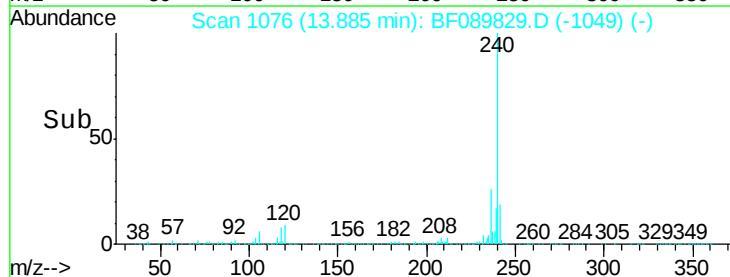
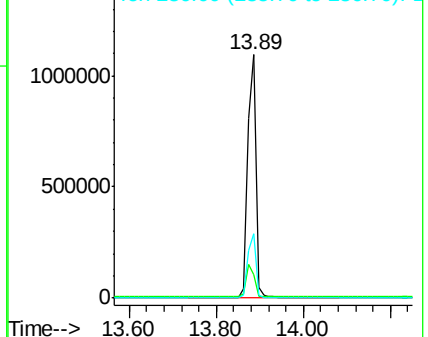
236 26.4 21.3 31.9

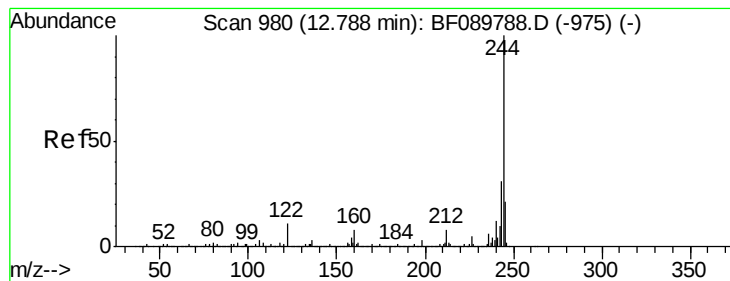


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 18.71 ng

RT: 12.78 min Scan# 979

Delta R.T. -0.01 min

Lab File: BF089829.D

Acq: 23 Aug 2016 12:45

Instrument :

BNA_F

ClientSampleId :

D-5(1-1.5)

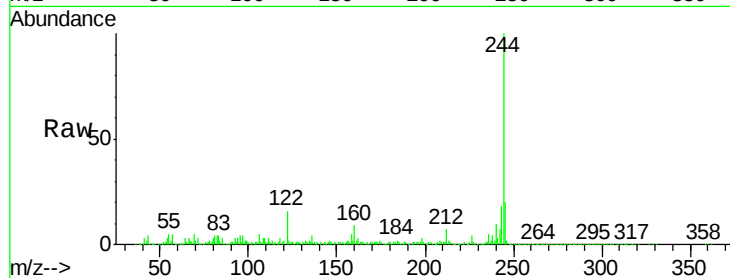
Tgt Ion:244 Resp: 1156250

Ion Ratio Lower Upper

244 100

212 7.5 6.3 9.5

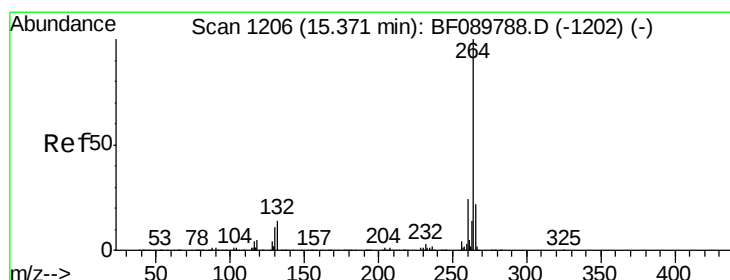
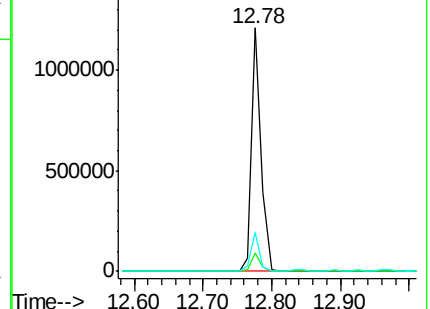
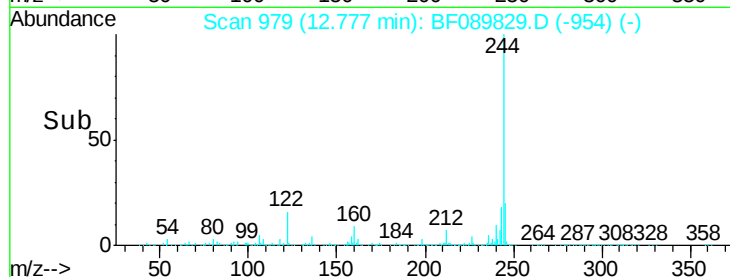
122 16.0 12.0 18.0



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: 15.41 min Scan# 1209

Delta R.T. 0.03 min

Lab File: BF089829.D

Acq: 23 Aug 2016 12:45

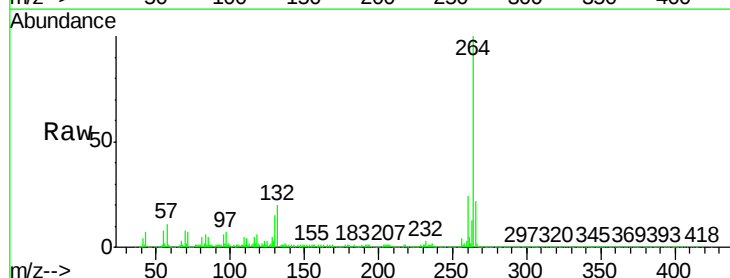
Tgt Ion:264 Resp: 1133143

Ion Ratio Lower Upper

264 100

260 24.3 20.2 30.2

265 21.8 17.4 26.2



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

