

Data File : BF093088.D
Acq On : 22 Feb 2017 21:10
Operator : SJ/MA
Sample : I1931-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P-2

Quant Time: Feb 22 23:58:38 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	154307	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	594047	20.00	ng	-0.02
38) Acenaphthene-d10	9.87	164	292136	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	578597	20.00	ng	-0.02
75) Chrysene-d12	13.99	240	499034	20.00	ng	-0.03
86) Perylene-d12	15.41	264	394412	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	7399	0.82	ng	0.01
7) Phenol-d6	6.48	99	264768	22.88	ng	-0.01
23) Nitrobenzene-d5	7.41	82	912050	85.50	ng	-0.01
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	9.20	172	1380840	85.63	ng	-0.02
78) Terphenyl-d14	12.94	244	1474642	69.43	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.41	70	120794	16.40	ng	# 75
49) Dimethylphthalate	9.60	163	325034	16.52	ng	98
56) 2,4-Dinitrotoluene	9.87	165	38580	6.82	ng	# 20

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

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BNA_F

ClientSampleId :

P-2

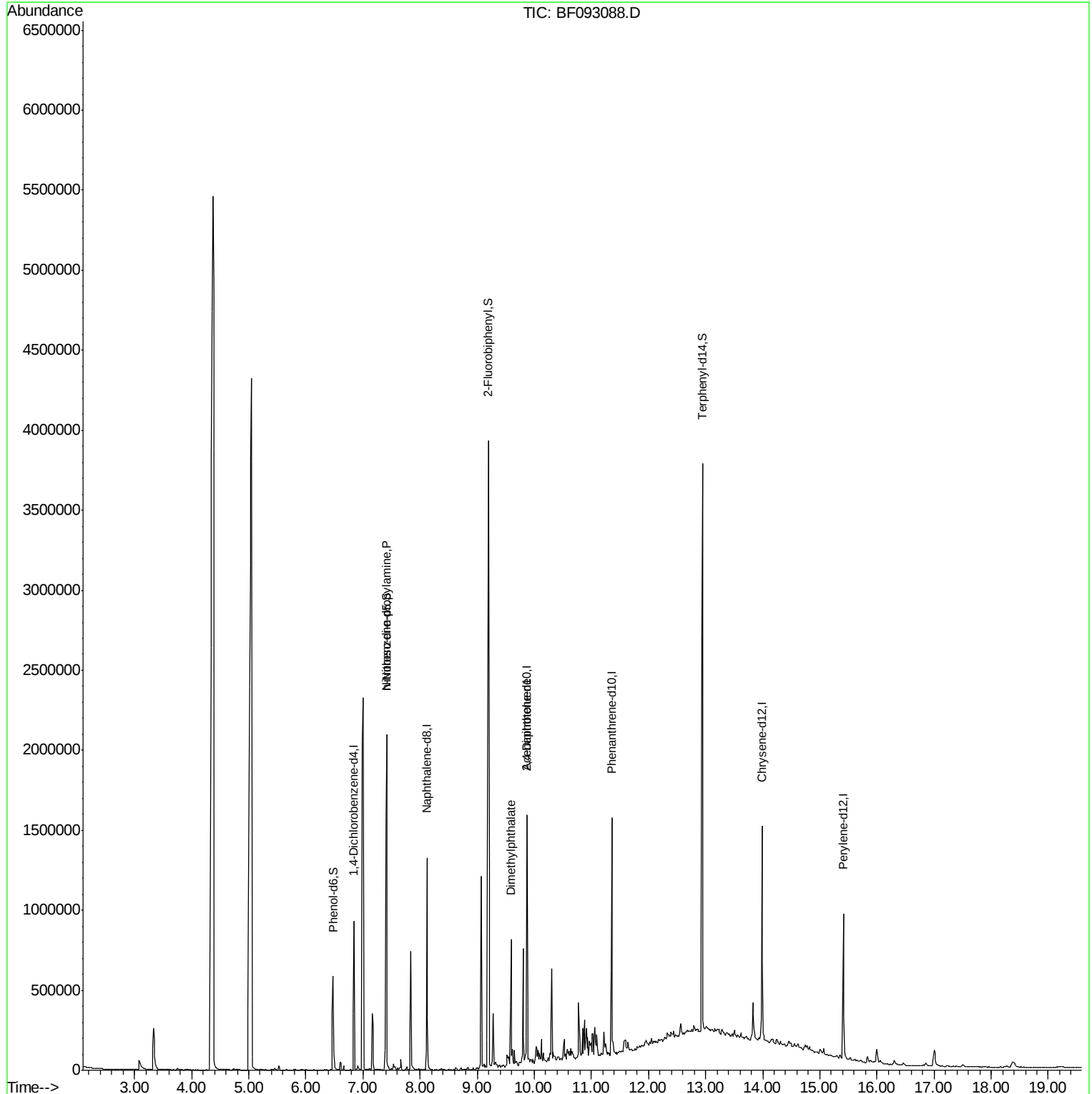
Quant Time: Feb 22 23:58:38 2017

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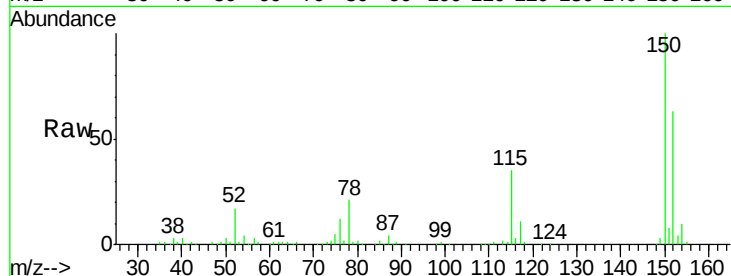


#1

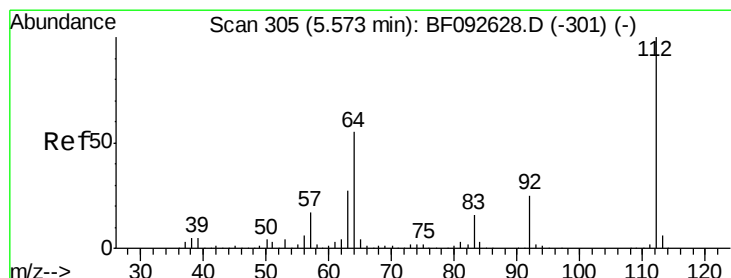
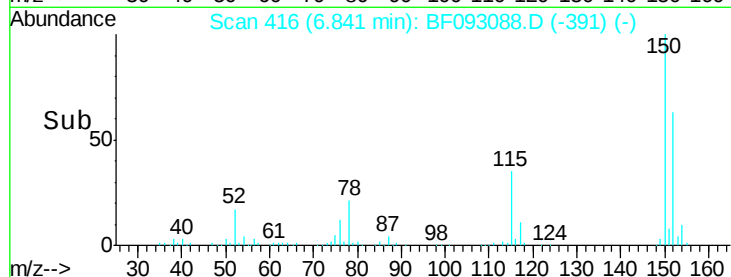
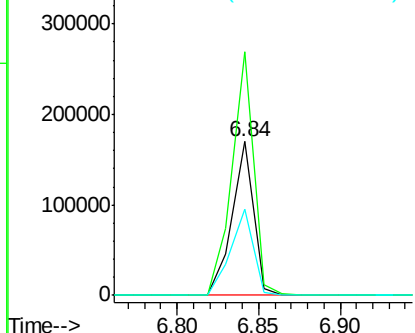
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.84 min Scan# 416
Delta R.T. -0.01 min
Lab File: BF093088.D
Acq: 22 Feb 2017 21:10

Instrument :
BNA_F
ClientSampleId :
P-2

Tgt Ion:152 Resp: 154307
Ion Ratio Lower Upper
152 100
150 158.5 124.9 187.3
115 56.0 46.0 69.0



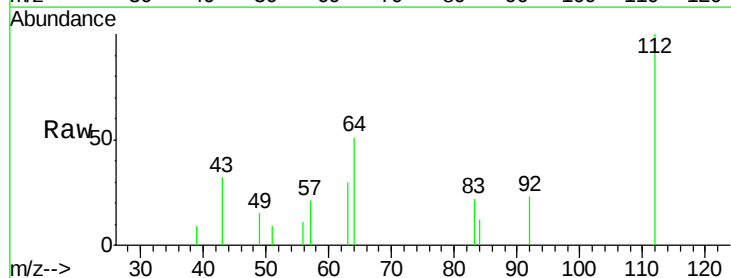
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



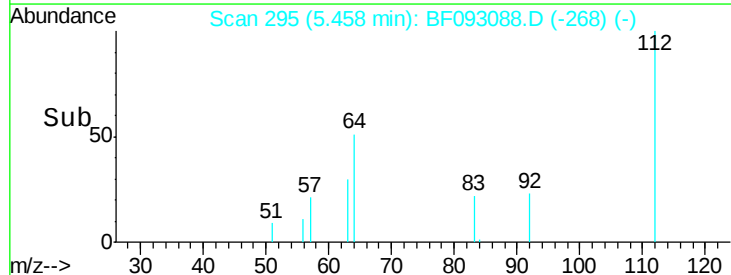
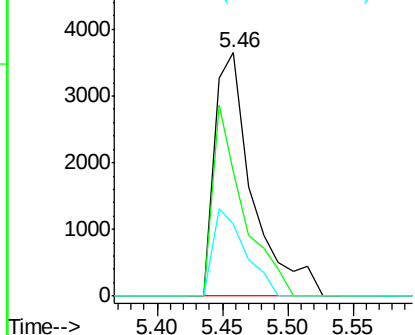
#5

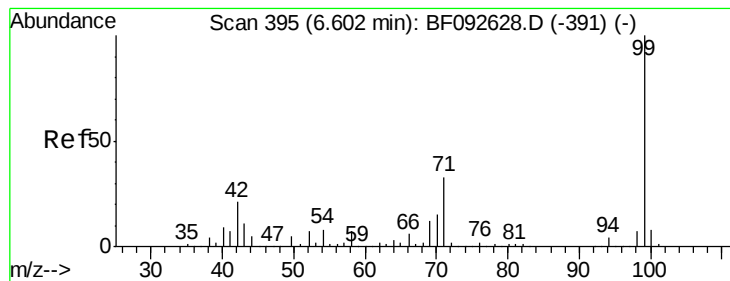
2-Fluorophenol
Concen: 0.82 ng
RT: 5.46 min Scan# 295
Delta R.T. 0.01 min
Lab File: BF093088.D
Acq: 22 Feb 2017 21:10

Tgt Ion:112 Resp: 7399
Ion Ratio Lower Upper
112 100
64 51.2 46.1 69.1
63 29.5 23.8 35.6



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: 22.88 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093088.D

Acq: 22 Feb 2017 21:10

Instrument :

BNA_F

ClientSampleId :

P-2

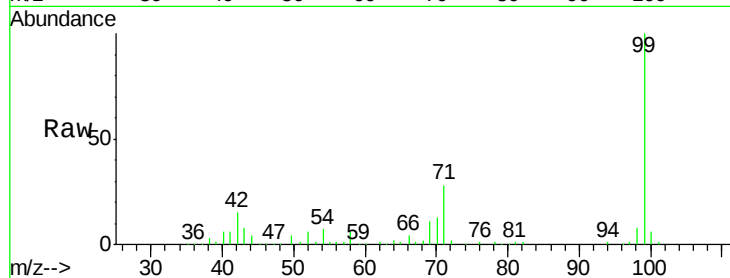
Tgt Ion: 99 Resp: 264768

Ion Ratio Lower Upper

99 100

42 15.3 15.6 23.4#

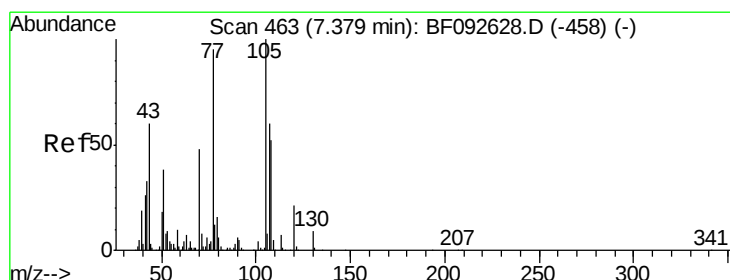
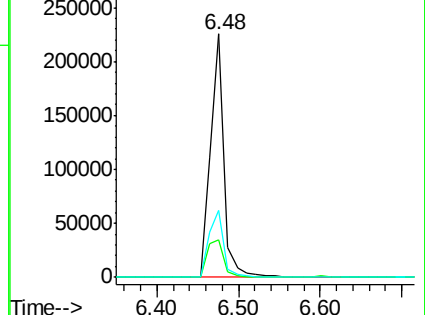
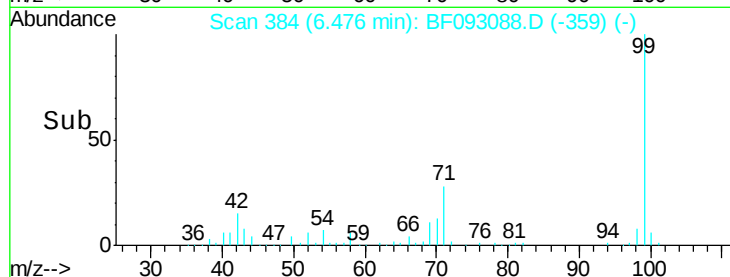
71 27.6 27.5 41.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.40 ng

RT: 7.41 min Scan# 466

Delta R.T. 0.14 min

Lab File: BF093088.D

Acq: 22 Feb 2017 21:10

Tgt Ion: 70 Resp: 120794

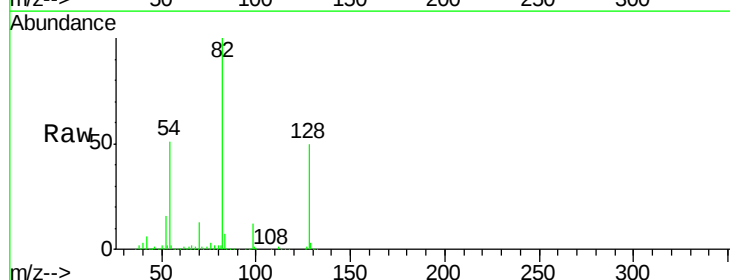
Ion Ratio Lower Upper

70 100

42 44.4 49.4 74.0#

101 0.0 7.4 11.2#

130 2.4 14.2 21.4#

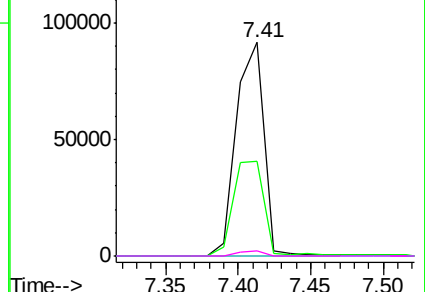
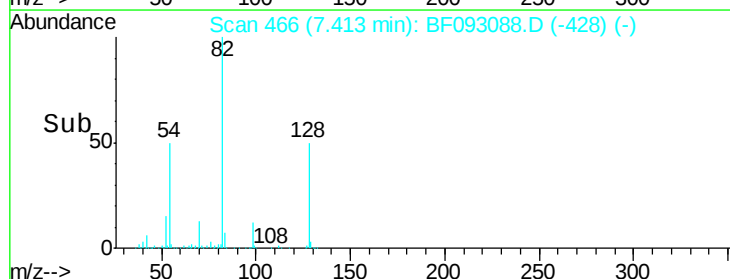


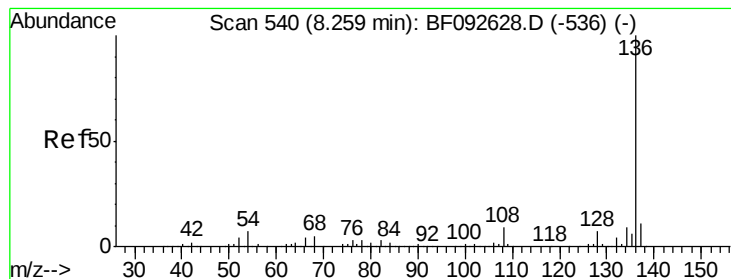
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

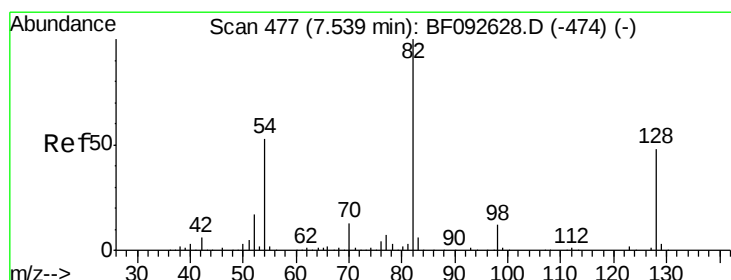
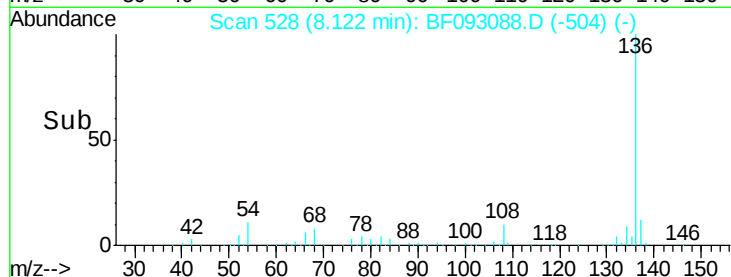
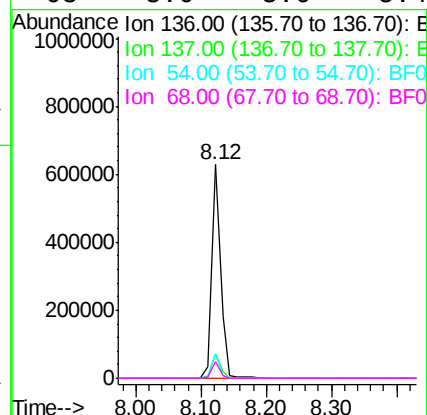
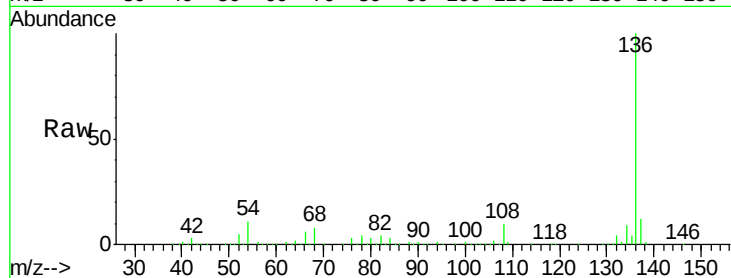




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.02 min
Lab File: BF093088.D
Acq: 22 Feb 2017 21:10

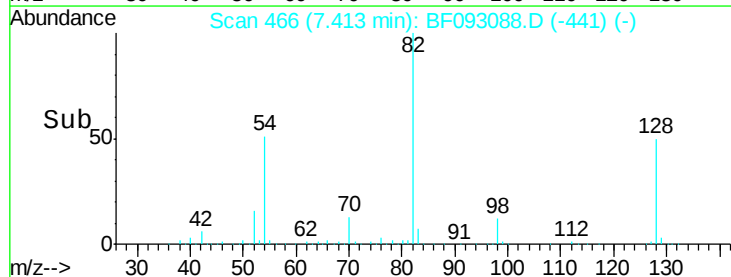
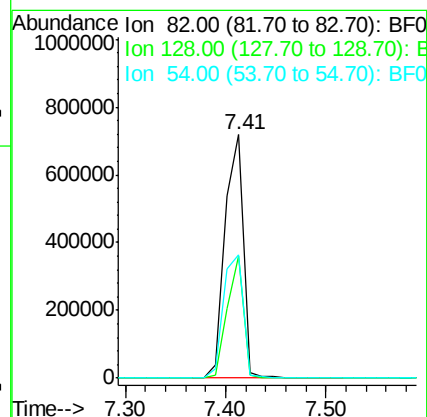
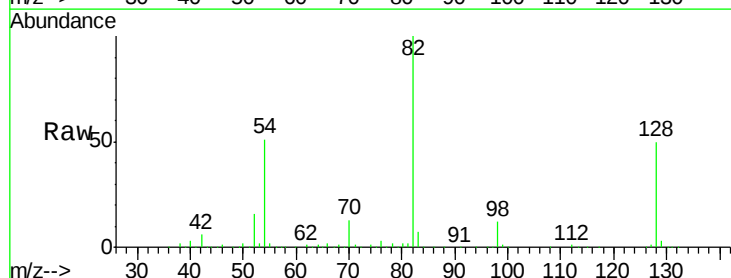
Instrument :
BNA_F
ClientSampled :
P-2

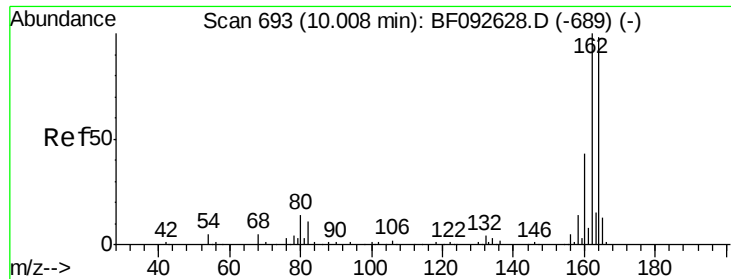
Tgt Ion:	136	Resp:	594047
Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.4	12.6
54	11.3	4.5	6.7#
68	8.0	3.6	5.4#



#23
Nitrobenzene-d5
Concen: 85.50 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.01 min
Lab File: BF093088.D
Acq: 22 Feb 2017 21:10

Tgt Ion:	82	Resp:	912050
Ion	Ratio	Lower	Upper
82	100		
128	50.2	34.6	52.0
54	50.6	39.5	59.3





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.02 min

Lab File: BF093088.D

Acq: 22 Feb 2017 21:10

Instrument :

BNA_F

ClientSampleId :

P-2

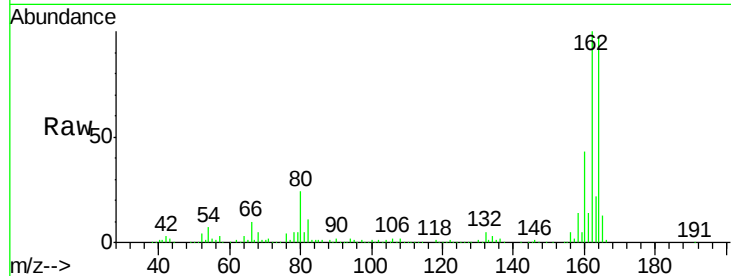
Tgt Ion:164 Resp: 292136

Ion Ratio Lower Upper

164 100

162 102.9 80.2 120.2

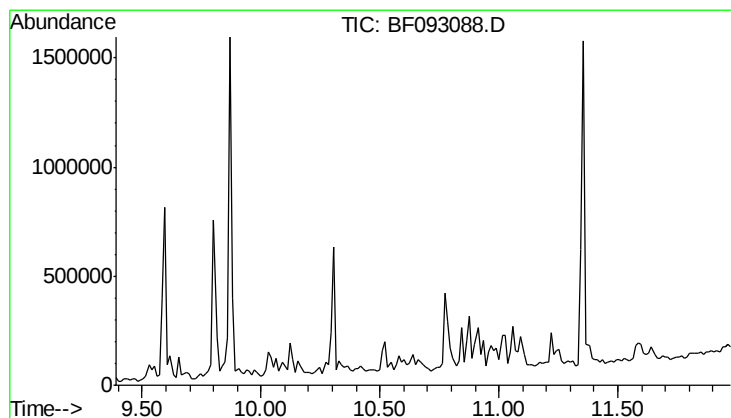
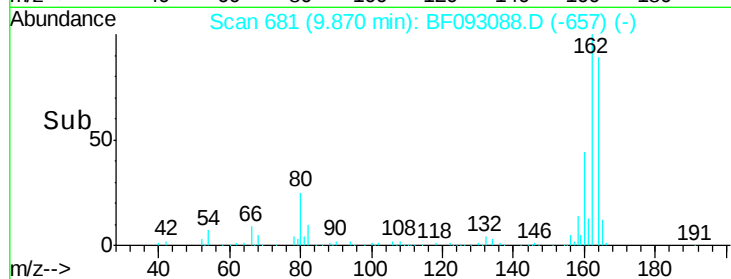
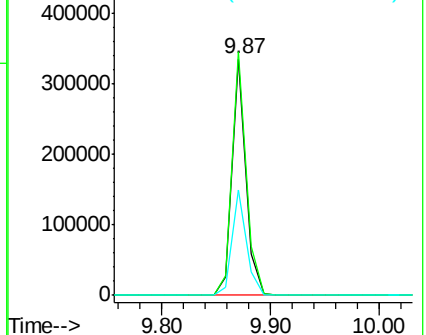
160 44.5 36.9 55.3



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: 0.00 ng

Expected RT: 10.68 min

Lab File: BF093088.D

Acq: 22 Feb 2017 21:10

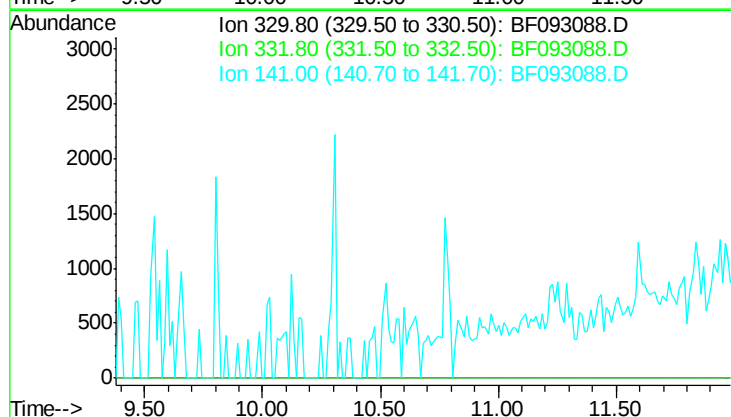
Tgt Ion: 330

Sig Exp Ratio

330 100

332 96.8

141 42.6

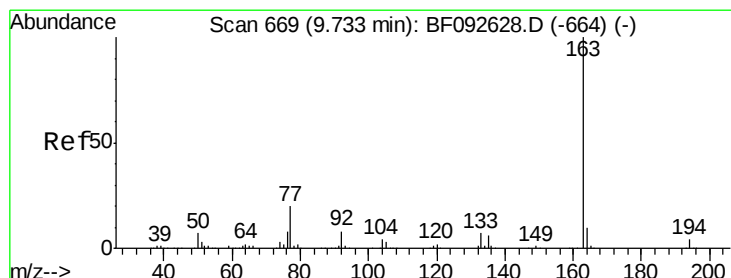
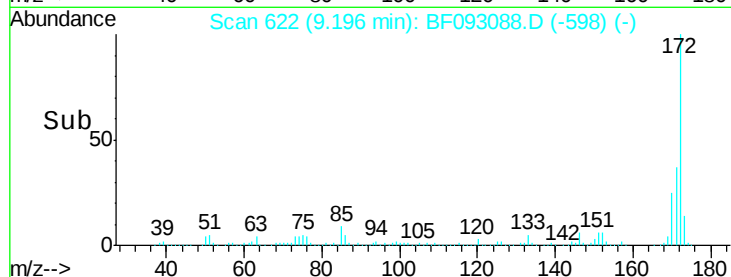
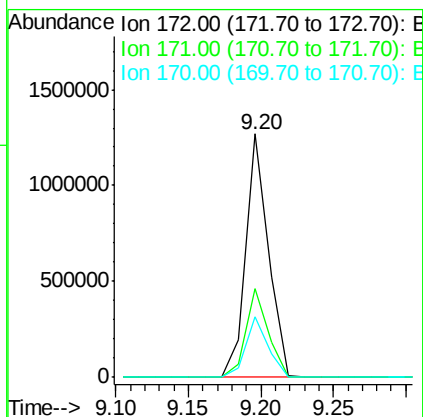
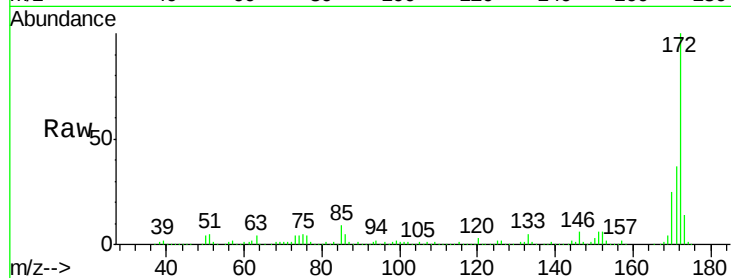




#44
2-Fluorobiphenyl
Concen: 85.63 ng
RT: 9.20 min Scan# 622
Delta R.T. -0.02 min
Lab File: BF093088.D
Acq: 22 Feb 2017 21:10

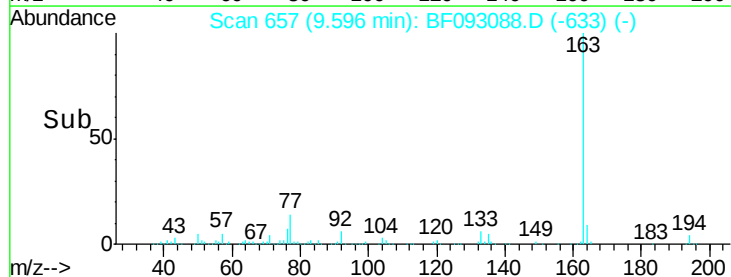
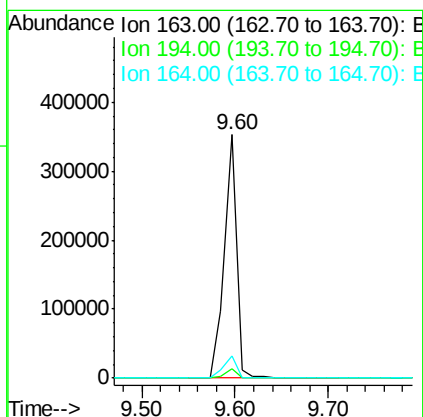
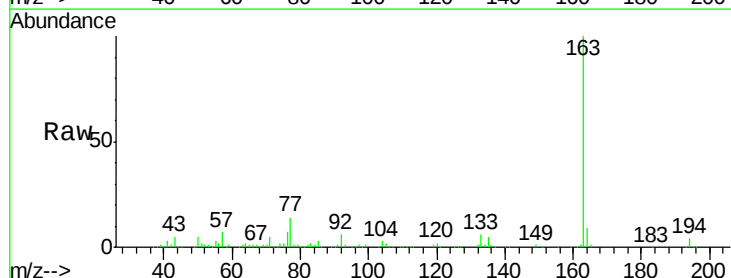
Instrument :
BNA_F
ClientSampleId :
P-2

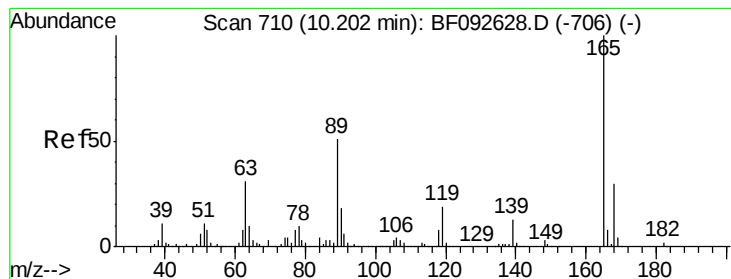
Tgt Ion:172 Resp: 1380840
Ion Ratio Lower Upper
172 100
171 36.7 29.4 44.0
170 24.6 20.2 30.4



#49
Dimethylphthalate
Concen: 16.52 ng
RT: 9.60 min Scan# 657
Delta R.T. -0.02 min
Lab File: BF093088.D
Acq: 22 Feb 2017 21:10

Tgt Ion:163 Resp: 325034
Ion Ratio Lower Upper
163 100
194 4.1 3.0 4.4
164 9.3 8.0 12.0

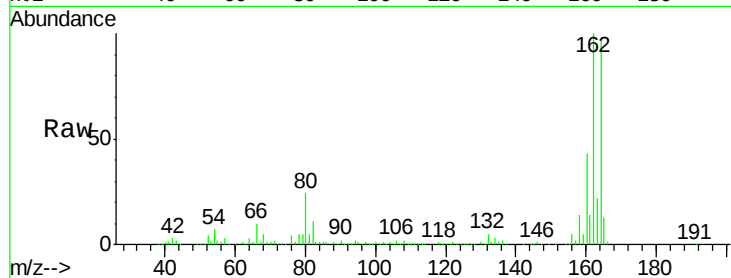




#56
2,4-Dinitrotoluene
Concen: 6.82 ng
RT: 9.87 min Scan# 681
Delta R.T. -0.22 min
Lab File: BF093088.D
Acq: 22 Feb 2017 21:10

Instrument :
BNA_F
ClientSampleId :
P-2

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	40.2	60.4#
89	1.5	62.5	93.7#
182	0.0	1.8	2.8#

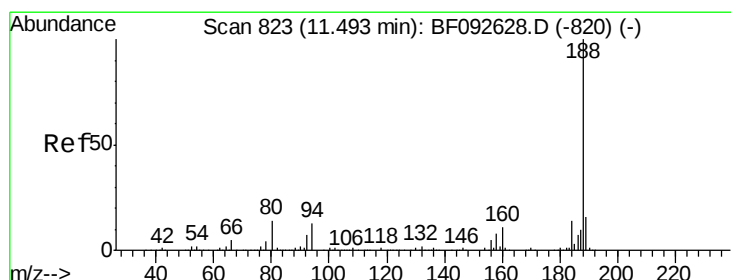
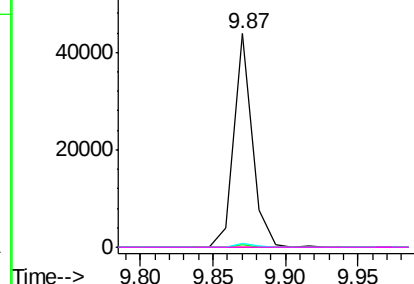
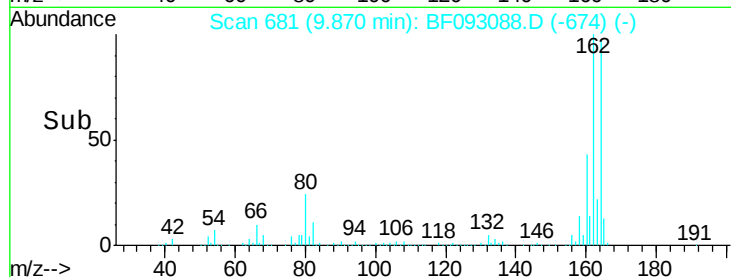


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

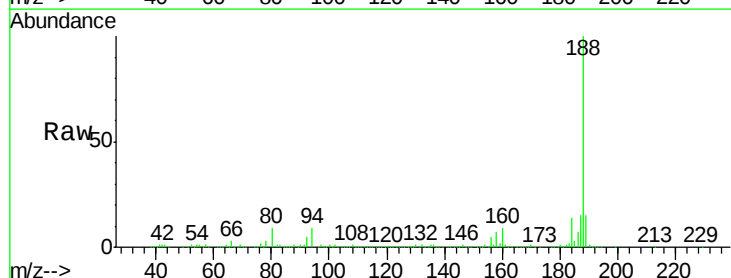
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.02 min
Lab File: BF093088.D
Acq: 22 Feb 2017 21:10

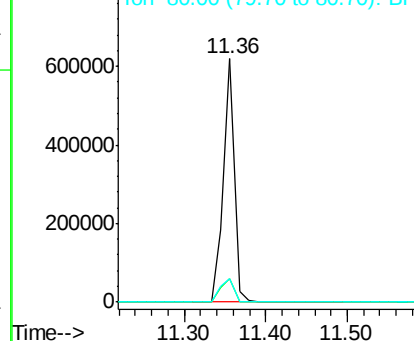
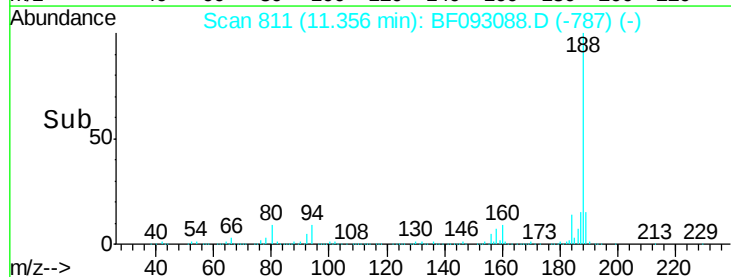
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	10.0	15.0#
80	9.4	11.2	16.8#

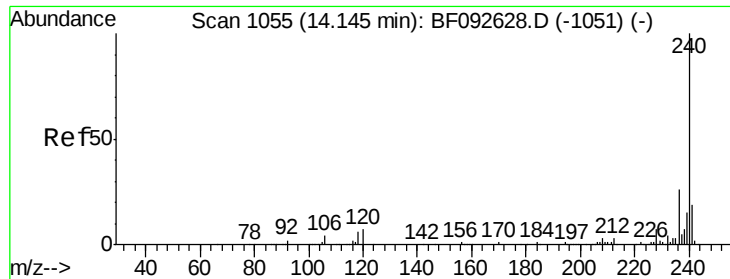


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

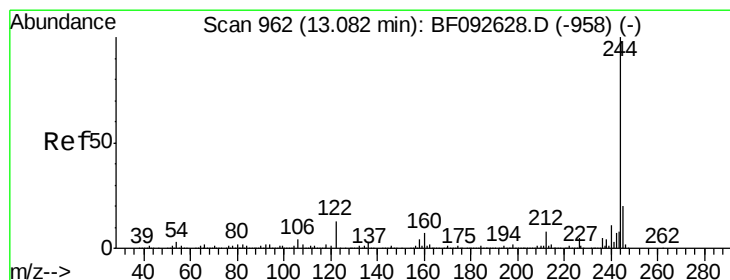
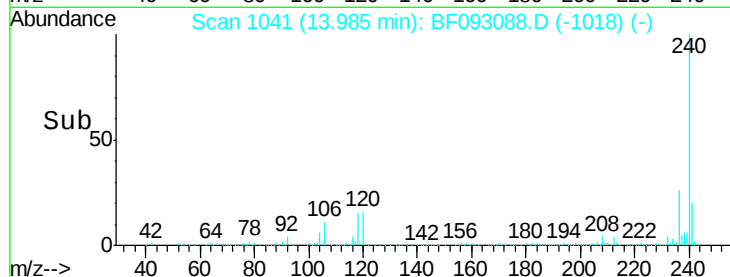
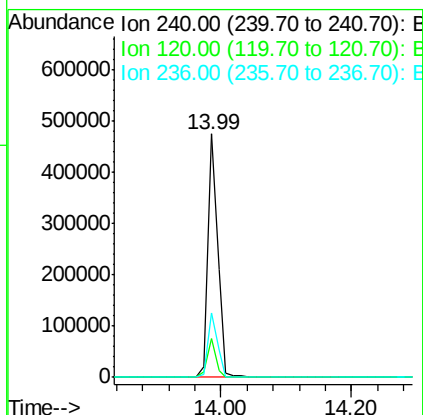
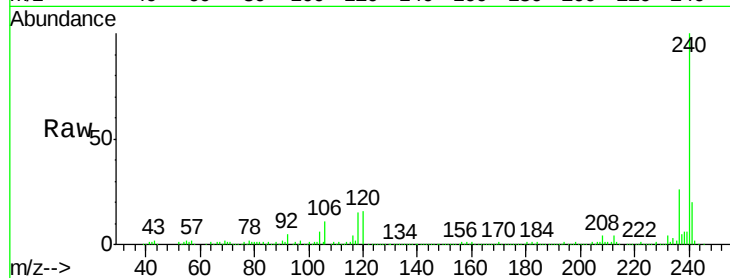




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.99 min Scan# 1041
 Delta R.T. -0.03 min
 Lab File: BF093088.D
 Acq: 22 Feb 2017 21:10

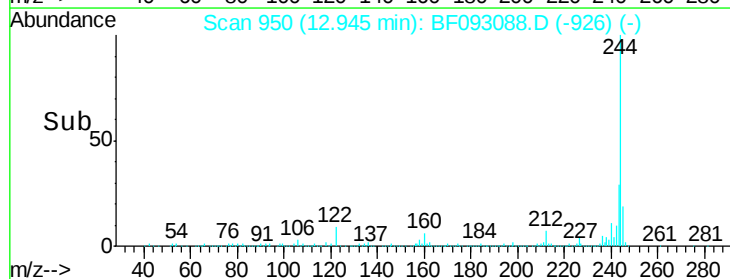
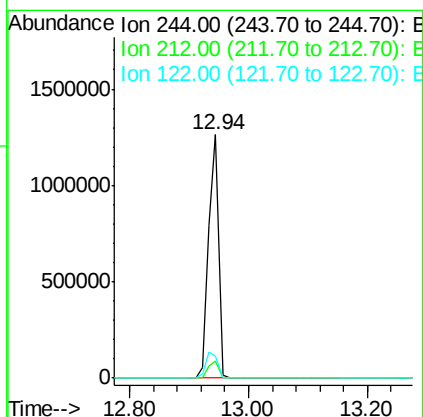
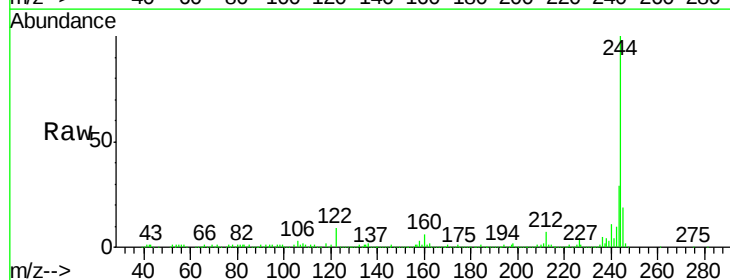
Instrument :
 BNA_F
 ClientSampleId :
 P-2

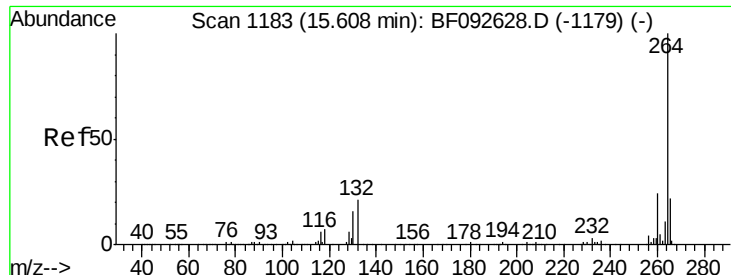
Tgt Ion:240 Resp: 499034
 Ion Ratio Lower Upper
 240 100
 120 16.2 12.9 19.3
 236 26.4 20.9 31.3



#78
 Terphenyl-d14
 Concen: 69.43 ng
 RT: 12.94 min Scan# 950
 Delta R.T. -0.02 min
 Lab File: BF093088.D
 Acq: 22 Feb 2017 21:10

Tgt Ion:244 Resp: 1474642
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.2 9.2
 122 9.1 11.4 17.2#

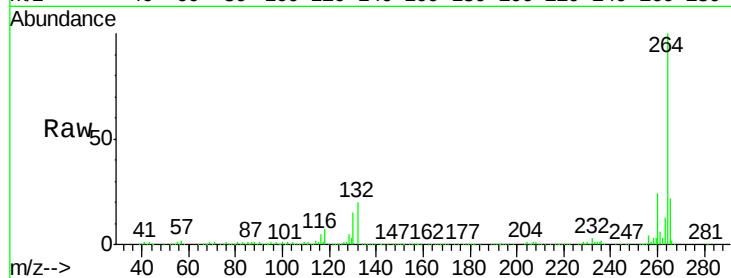




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. -0.03 min
Lab File: BF093088.D
Acq: 22 Feb 2017 21:10

Instrument :
BNA_F
ClientSampleId :
P-2

Tgt Ion: 264 Resp: 394412
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 22.0 17.4 26.0



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

