

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040717\
 Data File : BF094289.D
 Acq On : 7 Apr 2017 22:48
 Operator : SJ/MA
 Sample : I2571-01 10X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUNCAN-AVE

Quant Time: Apr 08 00:07:59 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 06 13:20:29 2017
 Response via : Initial Calibration

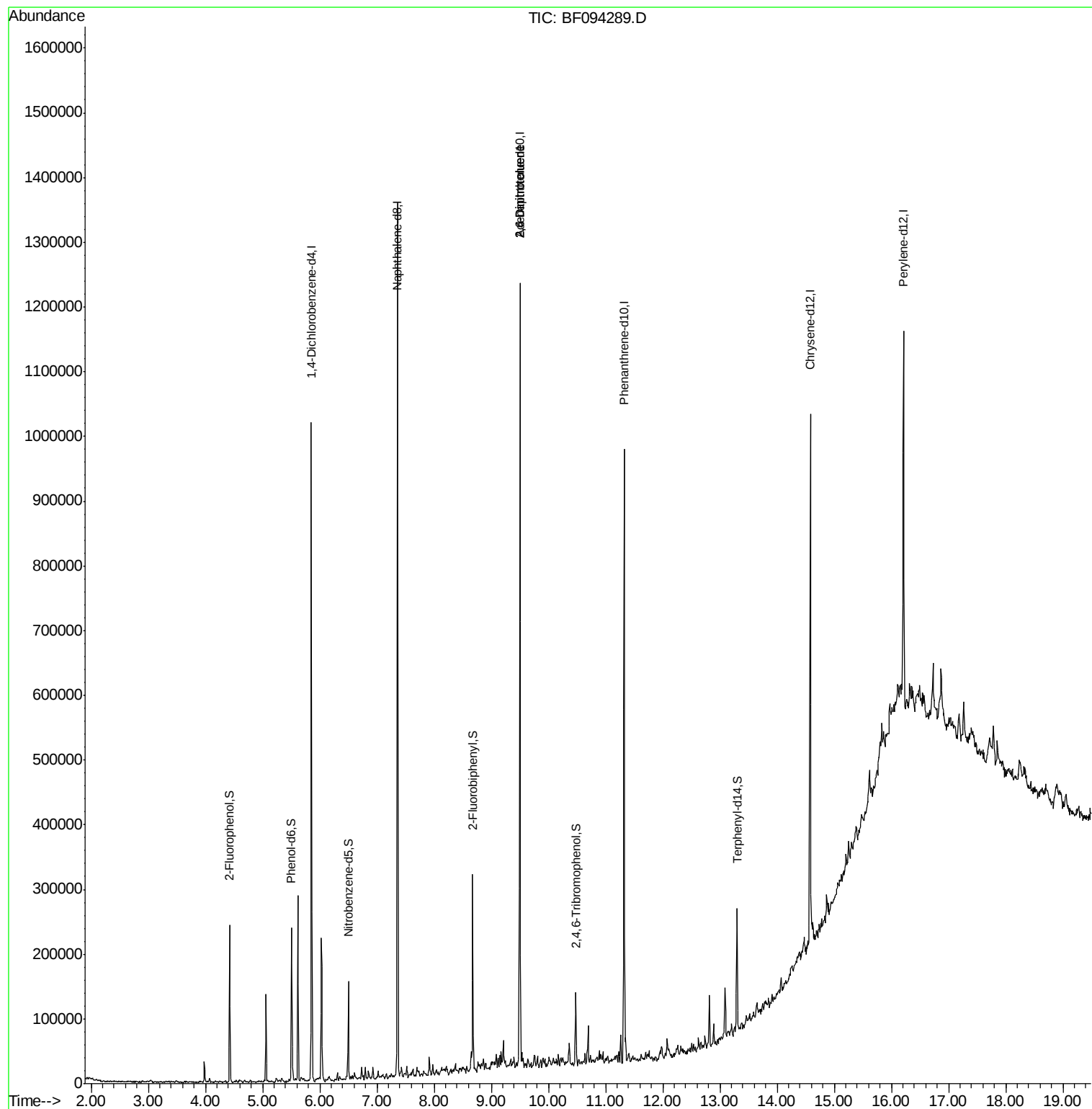
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.85	152	165110	20.00	ng	0.00
21) Naphthalene-d8	7.36	136	628034	20.00	ng	0.00
38) Acenaphthene-d10	9.50	164	242103	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	358129	20.00	ng	0.00
75) Chrysene-d12	14.58	240	331153	20.00	ng	0.00
86) Perylene-d12	16.21	264	244640	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.42	112	72606	7.43	ng	0.04
7) Phenol-d6	5.50	99	85531	7.07	ng	0.04
23) Nitrobenzene-d5	6.50	82	49176	4.47	ng	-0.01
41) 2,4,6-Tribromophenol	10.47	330	11050	5.78	ng	0.00
44) 2-Fluorobiphenyl	8.67	172	93094	5.86	ng	-0.01
78) Terphenyl-d14	13.30	244	59139	4.00	ng	0.00
Target Compounds						
50) 2,6-Dinitrotoluene	9.50	165	31644	8.02	ng	# 34
56) 2,4-Dinitrotoluene	9.50	165	31644	6.39	ng	# 33

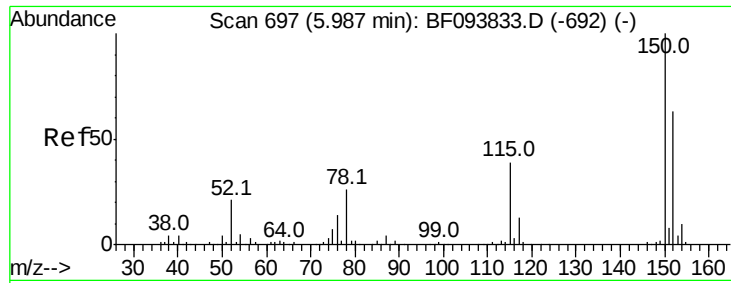
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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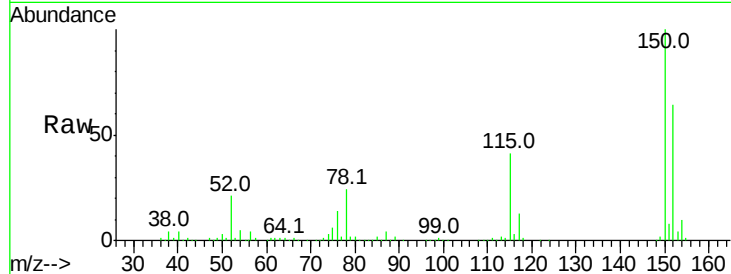


#1

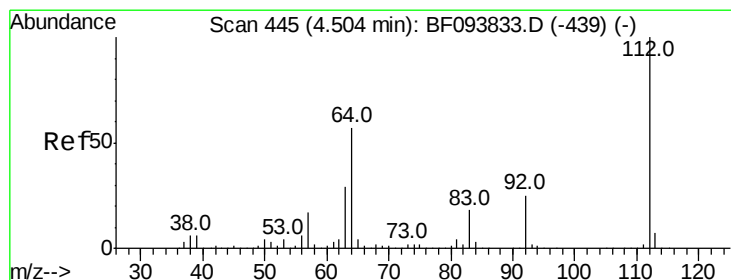
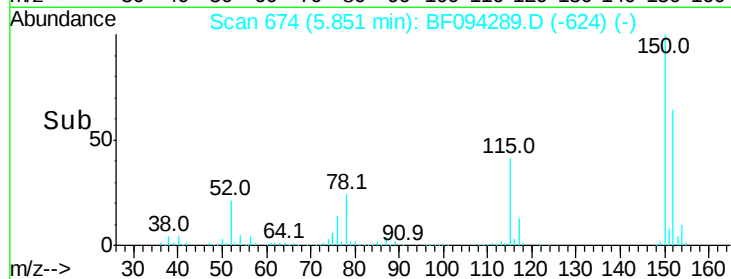
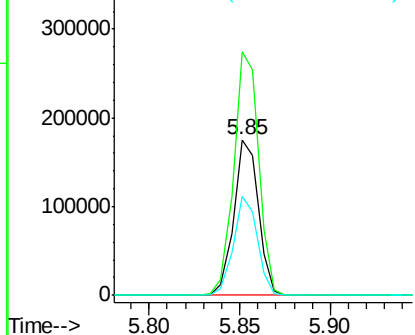
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.85 min Scan# 674
Delta R.T. -0.01 min
Lab File: BF094289.D
Acq: 7 Apr 2017 22:48

Instrument :
BNA_F
ClientSampleId :
DUNCAN-AVE

Tot Ion:152 Resp: 165110
Ion Ratio Lower Upper
152 100
150 156.8 126.2 189.2
115 63.5 52.2 78.2



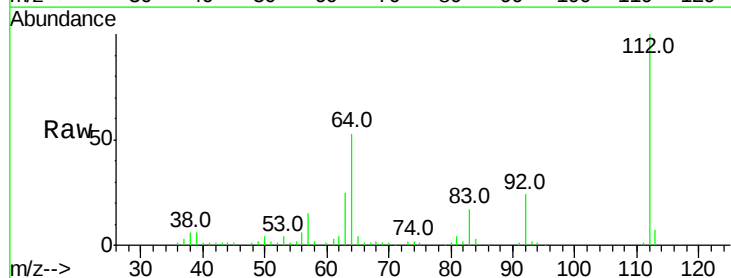
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



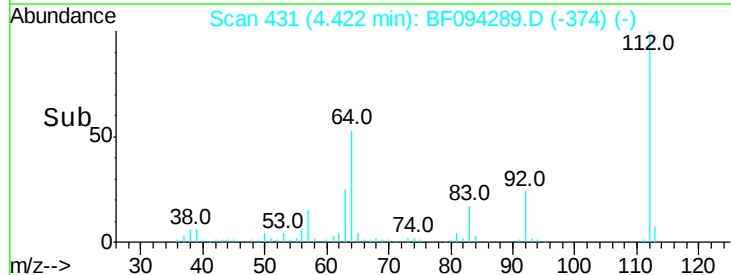
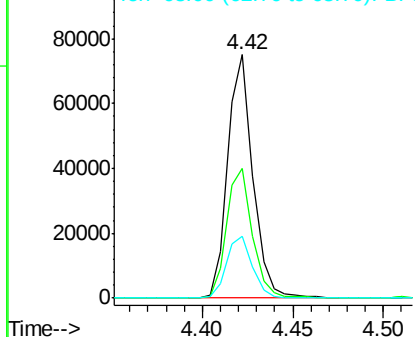
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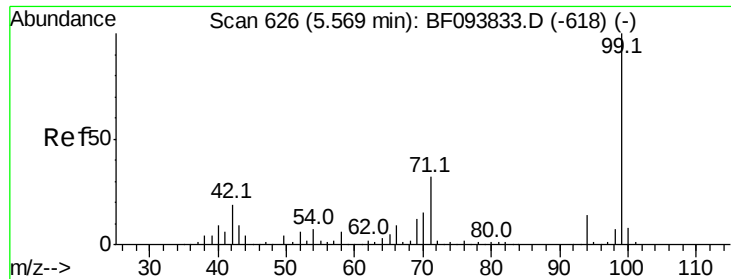
2-Fluorophenol
Concen: 7.43 ng
RT: 4.42 min Scan# 431
Delta R.T. 0.04 min
Lab File: BF094289.D
Acq: 7 Apr 2017 22:48

Tgt Ion:112 Resp: 72606
Ion Ratio Lower Upper
112 100
64 53.2 46.0 69.0
63 25.2 23.4 35.0



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





#7

Phenol-d6

Concen: 7.07 ng

RT: 5.50 min Scan# 615

Delta R.T. 0.04 min

Lab File: BF094289.D

Acq: 7 Apr 2017 22:48

Instrument :

BNA_F

ClientSampleId :

DUNCAN-AVE

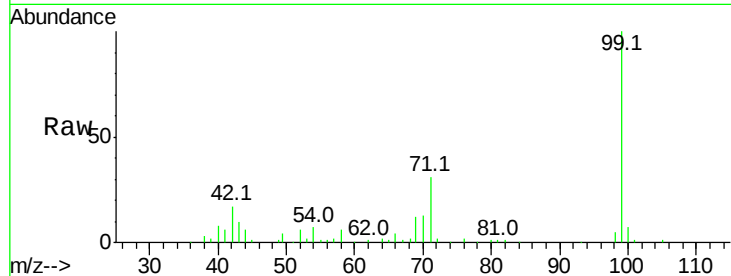
Tot Ion: 99 Resp: 85531

Ion Ratio Lower Upper

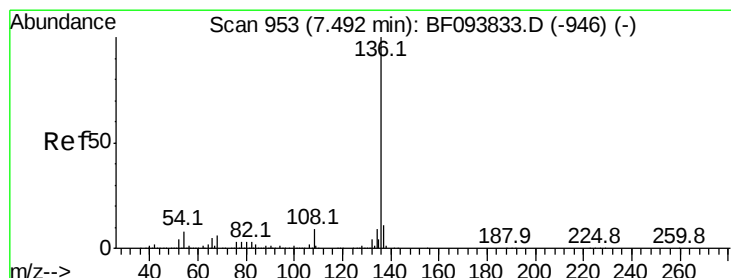
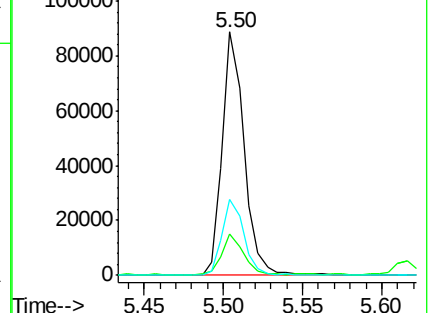
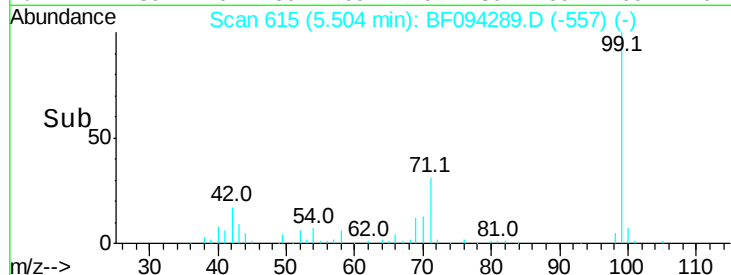
99 100

42 17.1 13.5 20.3

71 31.4 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.36 min Scan# 930

Delta R.T. -0.01 min

Lab File: BF094289.D

Acq: 7 Apr 2017 22:48

Tgt Ion: 136 Resp: 628034

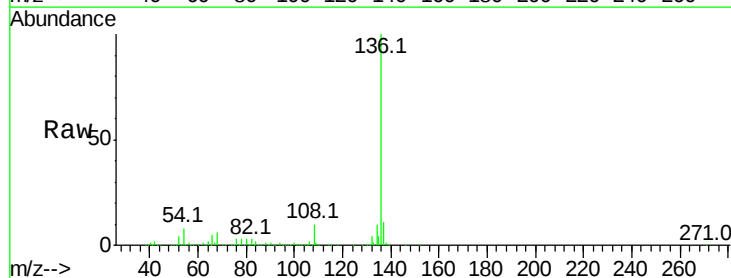
Ion Ratio Lower Upper

136 100

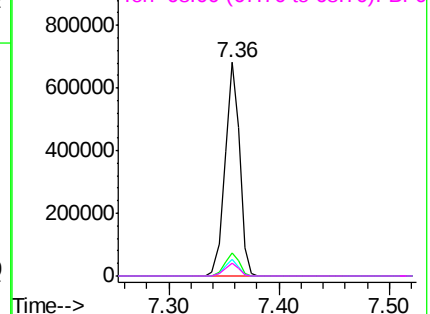
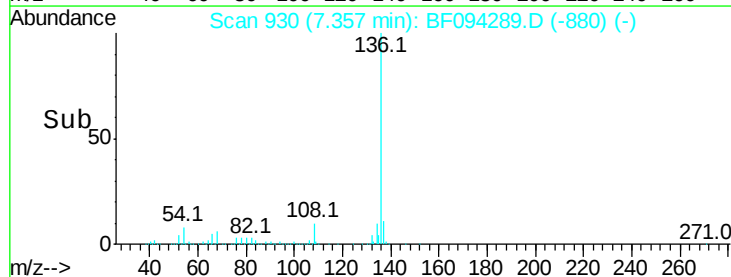
137 10.9 8.5 12.7

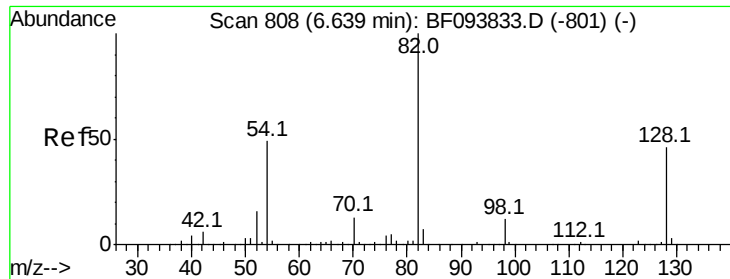
54 7.9 4.9 7.3#

68 6.1 4.1 6.1



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

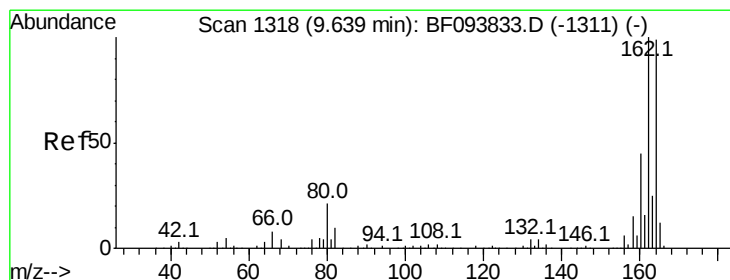
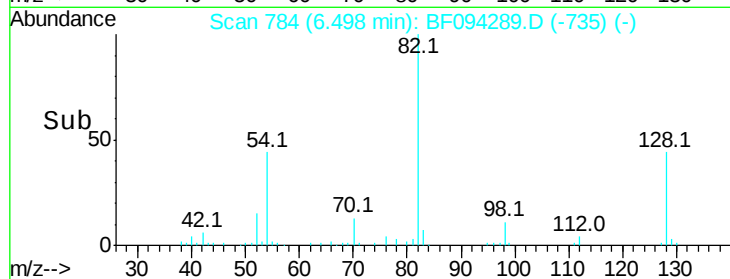
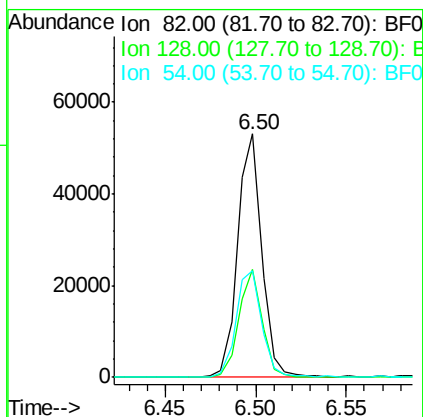
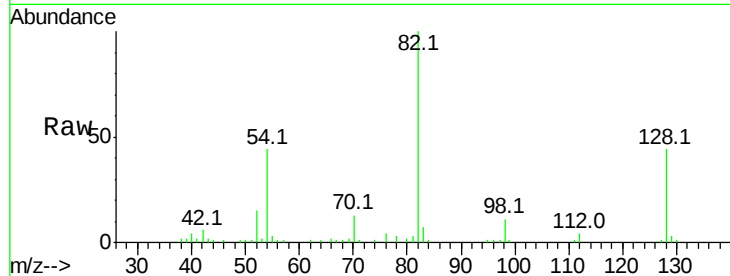




#23
Nitrobenzene-d5
Concen: 4.47 ng
RT: 6.50 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF094289.D
Acq: 7 Apr 2017 22:48

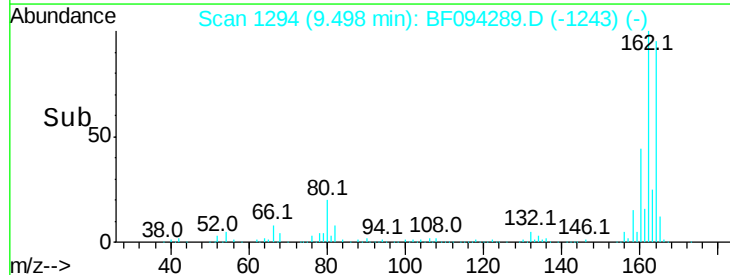
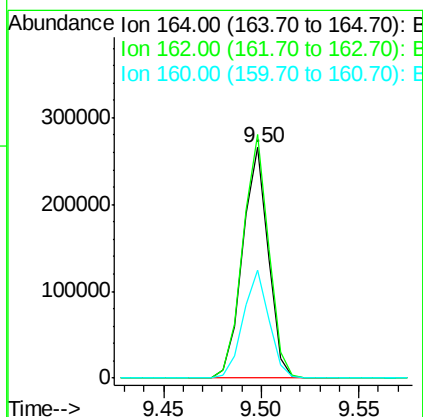
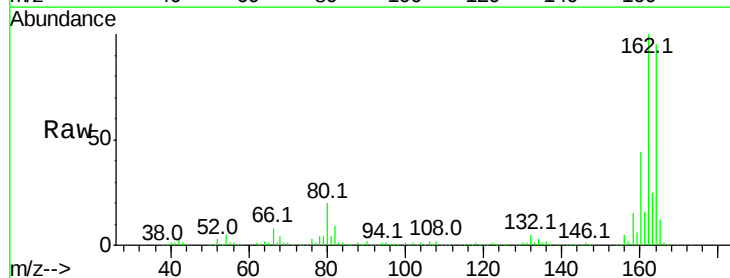
Instrument :
BNA_F
ClientSampleId :
DUNCAN-AVE

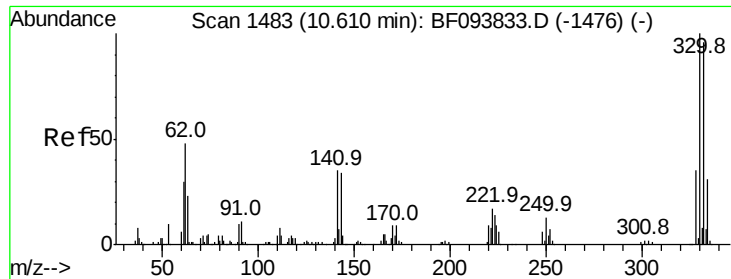
Tot Ion: 82 Resp: 49176
Ion Ratio Lower Upper
82 100
128 44.1 34.0 51.0
54 43.6 42.2 63.2



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.50 min Scan# 1294
Delta R.T. -0.00 min
Lab File: BF094289.D
Acq: 7 Apr 2017 22:48

Tgt Ion:164 Resp: 242103
Ion Ratio Lower Upper
164 100
162 105.7 82.6 123.8
160 46.8 36.2 54.2

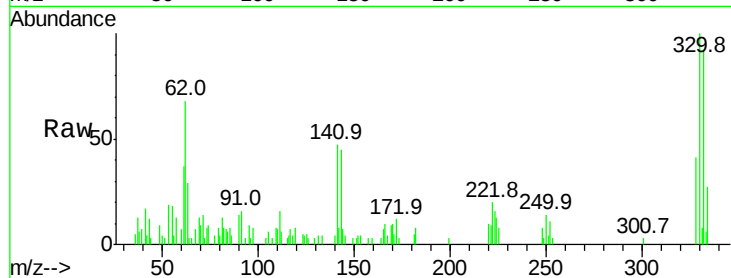




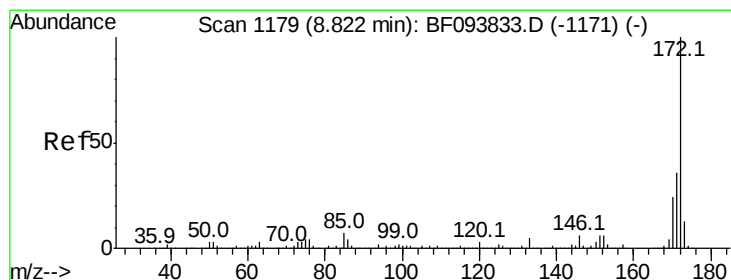
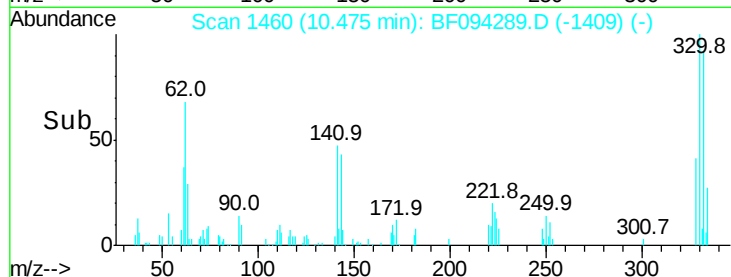
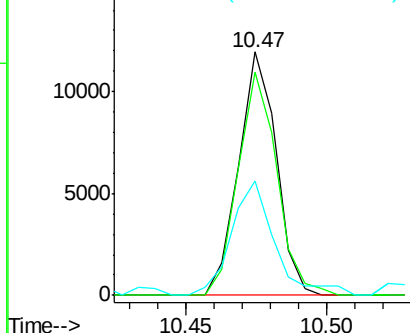
#41
 2,4,6-Tribromophenol
 Concen: 5.78 ng
 RT: 10.47 min Scan# 1460
 Delta R.T. -0.00 min
 Lab File: BF094289.D
 Acq: 7 Apr 2017 22:48

Instrument :
 BNA_F
 ClientSampleId :
 DUNCAN-AVE

Tot Ion:330 Resp: 11050
 Ion Ratio Lower Upper
 330 100
 332 95.1 76.6 115.0
 141 54.4 31.4 47.2#

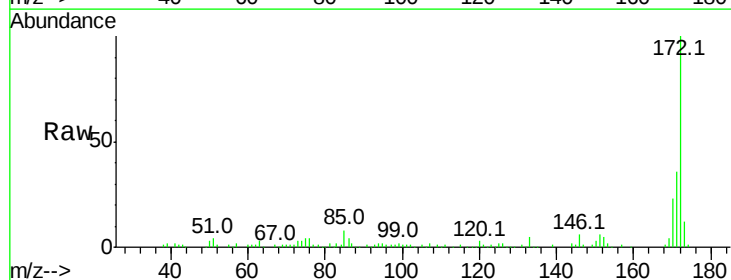


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

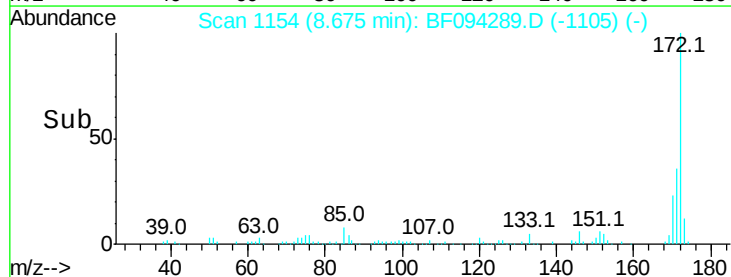
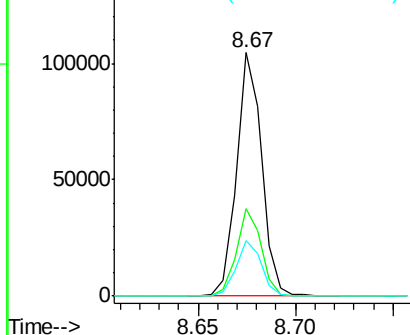


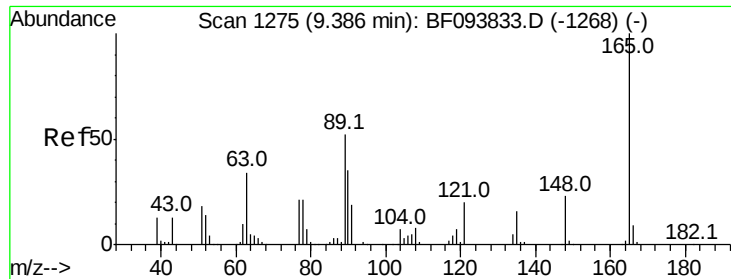
#44
 2-Fluorobiphenyl
 Concen: 5.86 ng
 RT: 8.67 min Scan# 1154
 Delta R.T. -0.01 min
 Lab File: BF094289.D
 Acq: 7 Apr 2017 22:48

Tgt Ion:172 Resp: 93094
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.6 44.4
 170 22.9 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





#50

2,6-Dinitrotoluene

Concen: 8.02 ng

RT: 9.50 min Scan# 1294

Delta R.T. 0.24 min

Lab File: BF094289.D

Acq: 7 Apr 2017 22:48

Instrument :

BNA_F

ClientSampleId :

DUNCAN-AVE

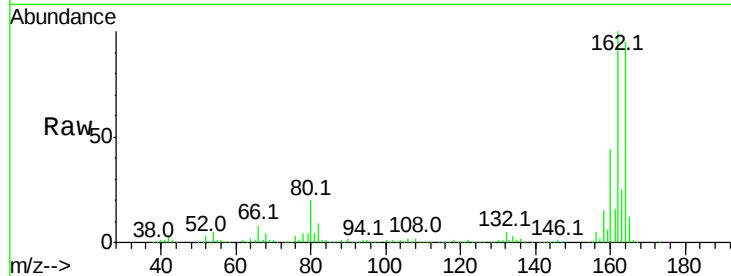
Tot Ion:165 Resp: 31644

Ion Ratio Lower Upper

165 100

63 1.1 34.3 51.5#

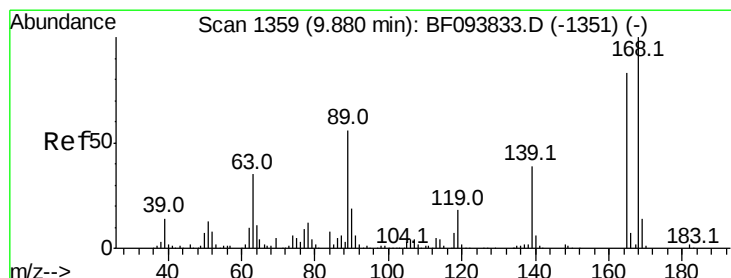
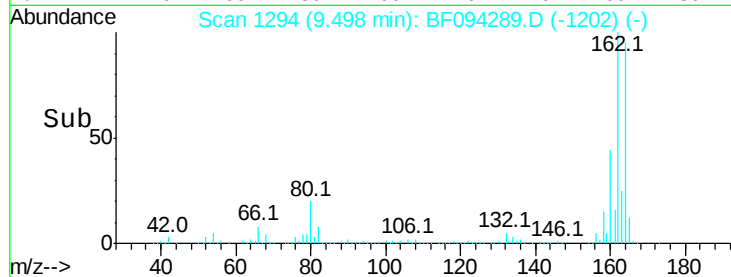
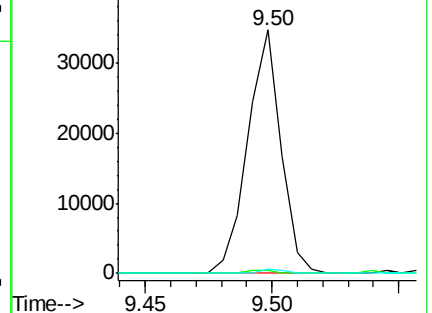
89 2.0 37.1 55.7#



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



#56

2,4-Dinitrotoluene

Concen: 6.39 ng

RT: 9.50 min Scan# 1294

Delta R.T. -0.25 min

Lab File: BF094289.D

Acq: 7 Apr 2017 22:48

Tgt Ion:165 Resp: 31644

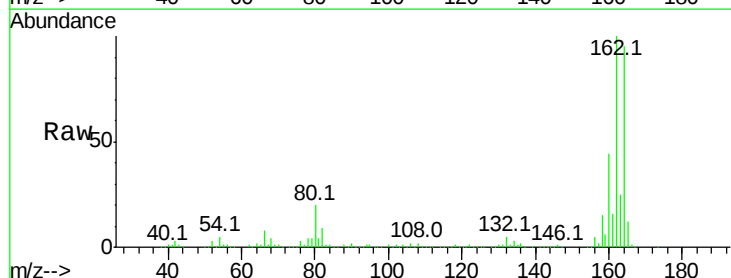
Ion Ratio Lower Upper

165 100

63 1.1 25.4 38.0#

89 2.0 46.4 69.6#

182 0.0 1.8 2.6#

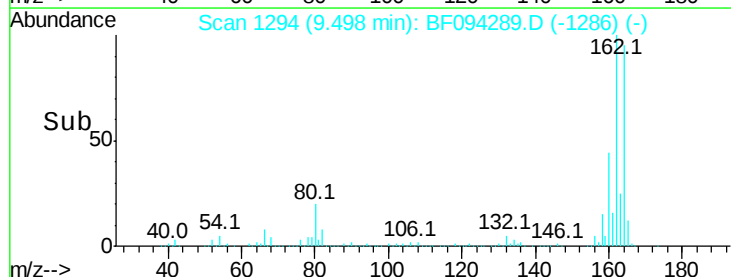
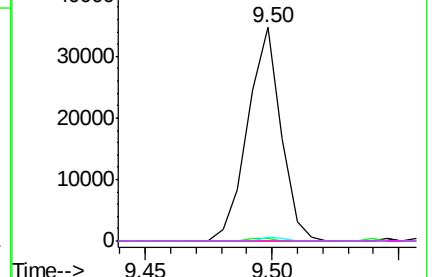


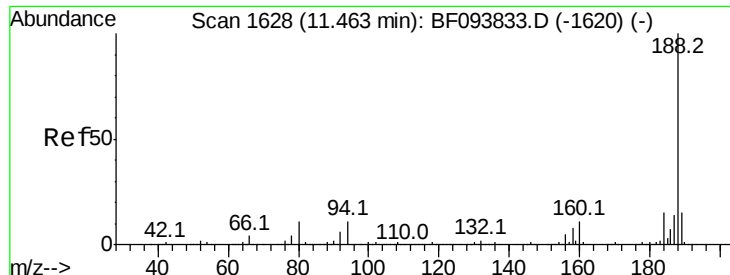
Abundance Ion 165.00 (164.70 to 165.70): E

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

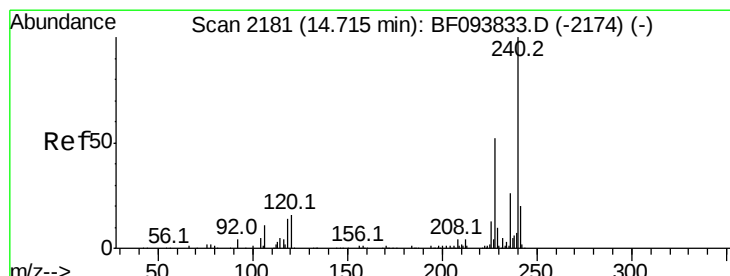
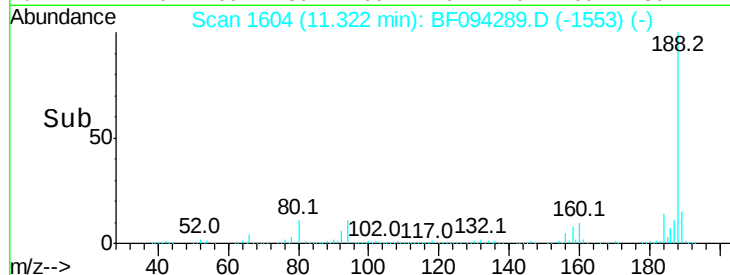
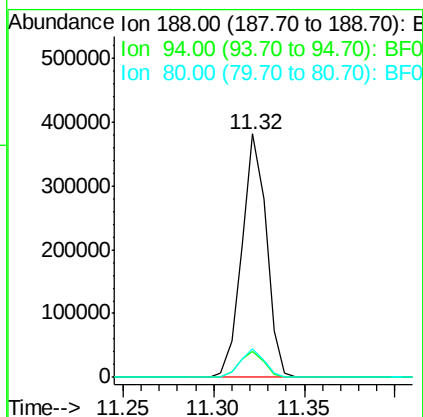
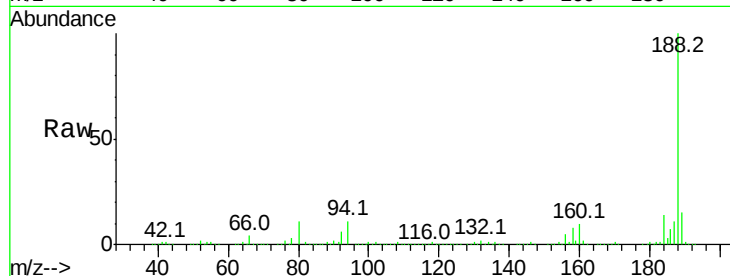




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 1604
Delta R.T. -0.00 min
Lab File: BF094289.D
Acq: 7 Apr 2017 22:48

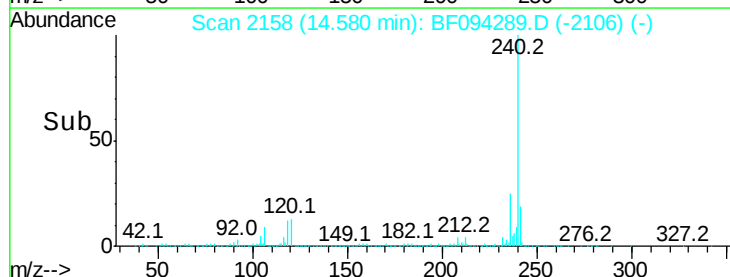
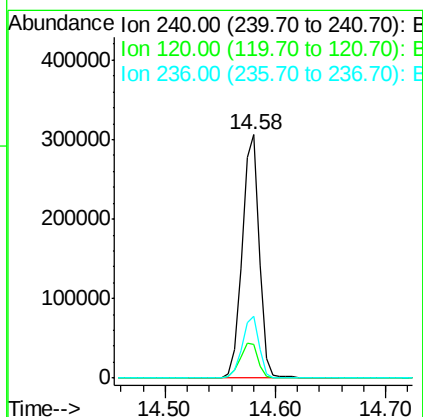
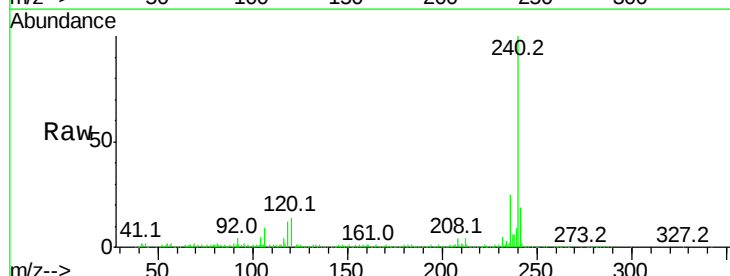
Instrument :
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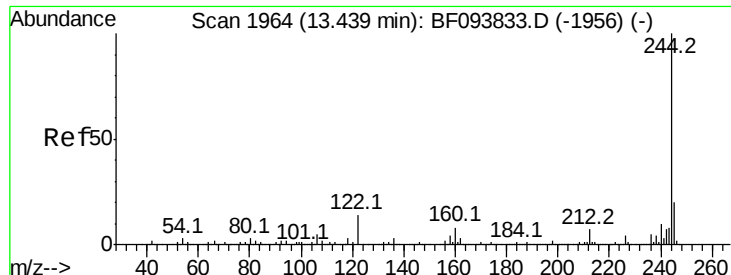
Tot Ion:188 Resp: 358129
Ion Ratio Lower Upper
188 100
94 10.8 9.4 14.2
80 11.5 10.2 15.2



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.58 min Scan# 2158
Delta R.T. 0.01 min
Lab File: BF094289.D
Acq: 7 Apr 2017 22:48

Tgt Ion:240 Resp: 331153
Ion Ratio Lower Upper
240 100
120 13.6 5.8 8.8#
236 25.2 20.5 30.7

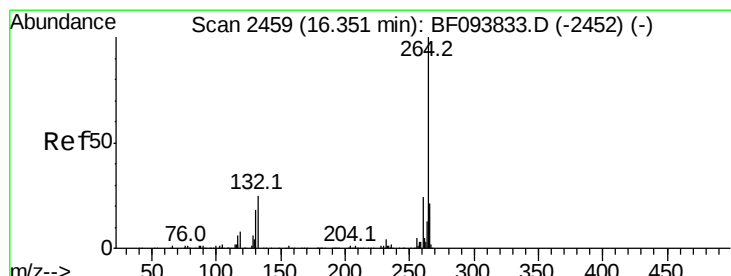
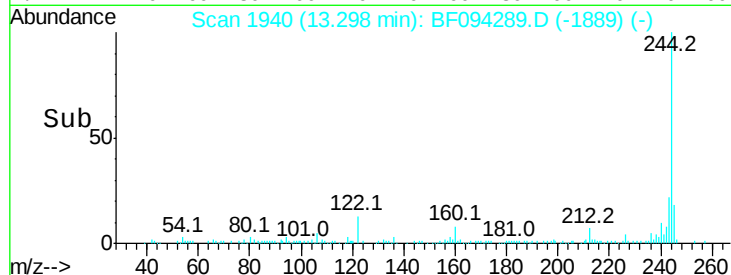
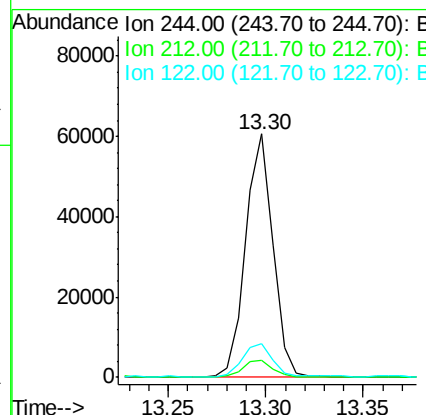
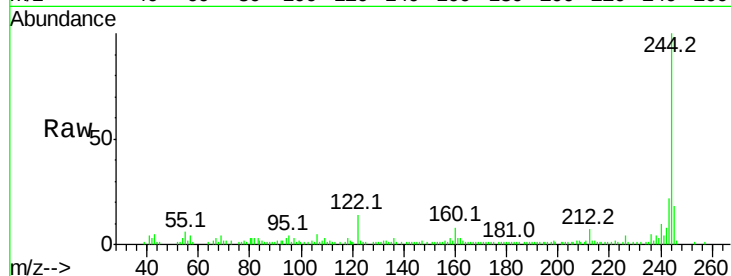




#78
 Terphenyl-d14
 Concen: 4.00 ng
 RT: 13.30 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: BF094289.D
 Acq: 7 Apr 2017 22:48

Instrument :
 BNA_F
 ClientSampleId :
 DUNCAN-AVE

Tot Ion:244 Resp: 59139
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 13.8 10.3 15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.21 min Scan# 2435
 Delta R.T. 0.02 min
 Lab File: BF094289.D
 Acq: 7 Apr 2017 22:48

Tgt Ion:264 Resp: 244640
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.5 29.3
 265 22.5 17.2 25.8

