

Data Path : Z:\HPCHEM1\BNA F\DATA\BF123015\
 Data File : BF084174.D
 Acq On : 31 Dec 2015 4:43
 Operator : UM/SJ
 Sample : G4978-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LAR-9883

Quant Time: Dec 31 12:25:04 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 31 04:29:55 2015
 Response via : Initial Calibration

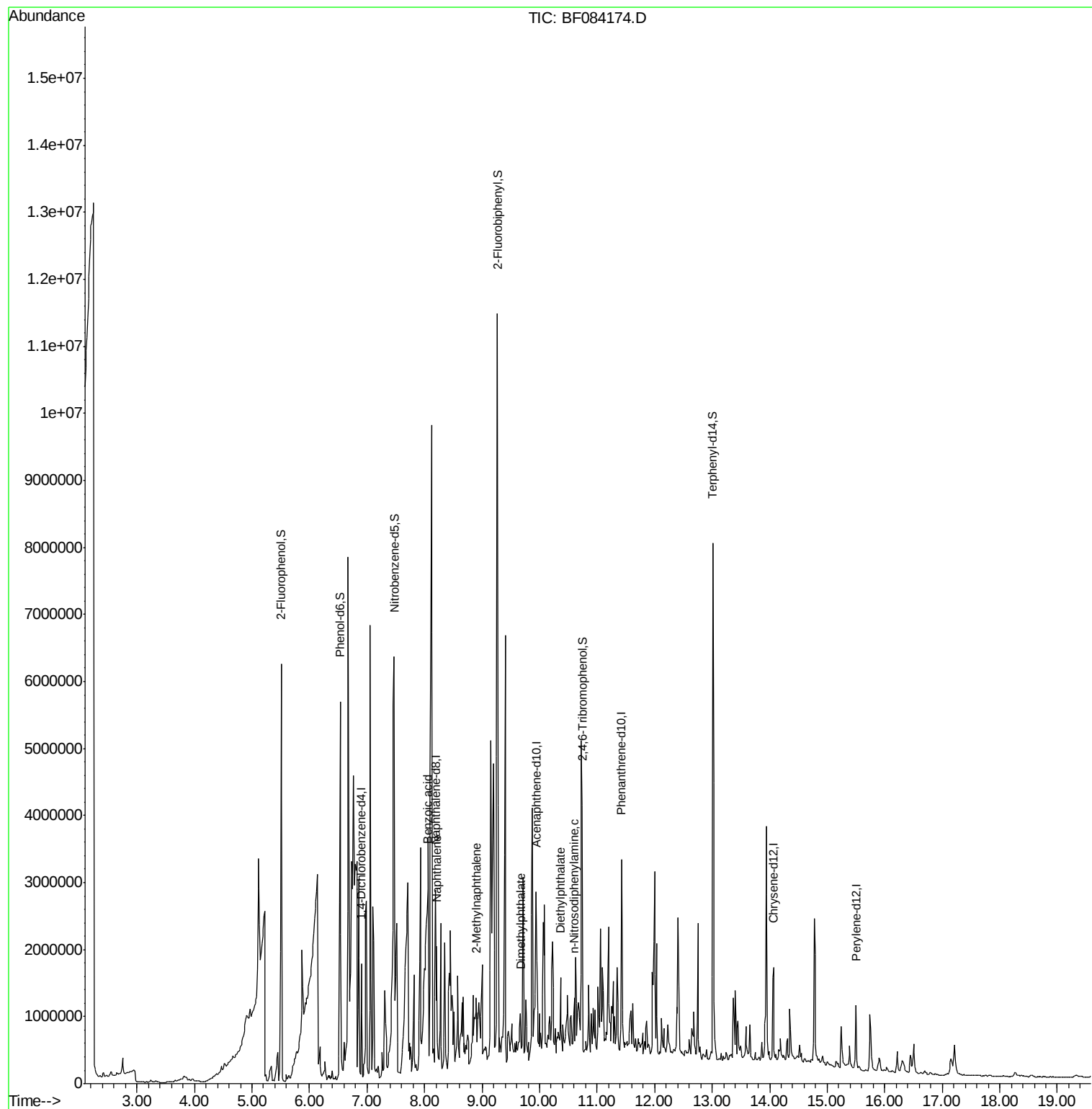
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	293167	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	1302200	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	541022	20.00	ng	-0.01
63) Phenanthrene-d10	11.42	188	983547	20.00	ng	0.00
75) Chrysene-d12	14.07	240	672811	20.00	ng	0.00
86) Perylene-d12	15.51	264	540373	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	2219270	121.40	ng	0.01
7) Phenol-d6	6.53	99	2476496	104.65	ng	0.01
23) Nitrobenzene-d5	7.47	82	2035431	92.36	ng	0.00
41) 2,4,6-Tribromophenol	10.74	330	824815	152.74	ng	0.01
44) 2-Fluorobiphenyl	9.26	172	2945371	96.38	ng	0.00
78) Terphenyl-d14	13.01	244	1586801	55.55	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.21	128	887682	14.92	ng	96
32) Benzoic acid	8.05	122	1637978	99.04	ng	97
37) 2-Methylnaphthalene	8.90	142	165303	3.92	ng	99
49) Dimethylphthalate	9.66	163	196673	5.06	ng	98
59) Diethylphthalate	10.36	149	370854	6.86	ng	95
65) n-Nitrosodiphenylamine	10.60	169	178263	5.72	ng	94

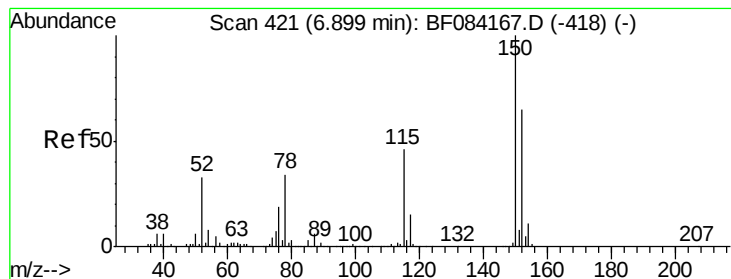
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 421

Delta R.T. -0.00 min

Lab File: BF084174.D

Acq: 31 Dec 2015 4:43

Instrument :

BNA_F

ClientSampleId :

LAR-9883

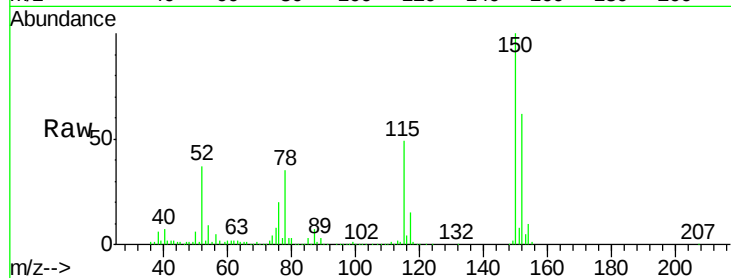
Tot Ion:152 Resp: 293167

Ion Ratio Lower Upper

152 100

150 160.3 123.8 185.8

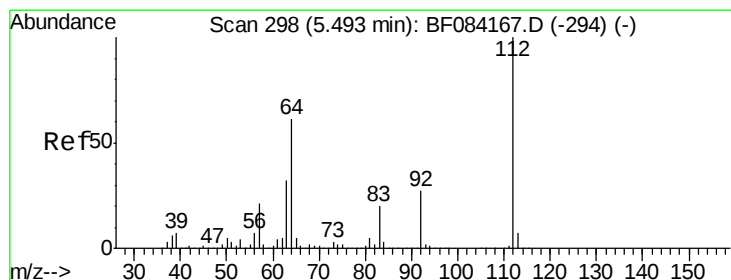
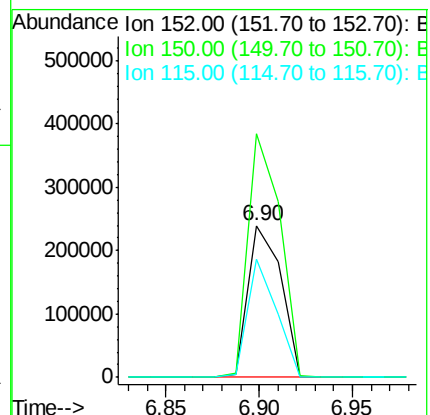
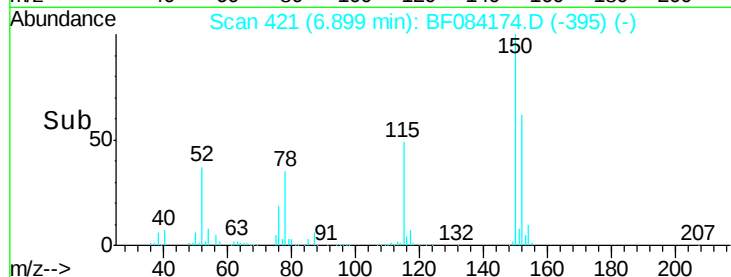
115 78.0 57.1 85.7



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: 121.40 ng

RT: 5.50 min Scan# 299

Delta R.T. 0.01 min

Lab File: BF084174.D

Acq: 31 Dec 2015 4:43

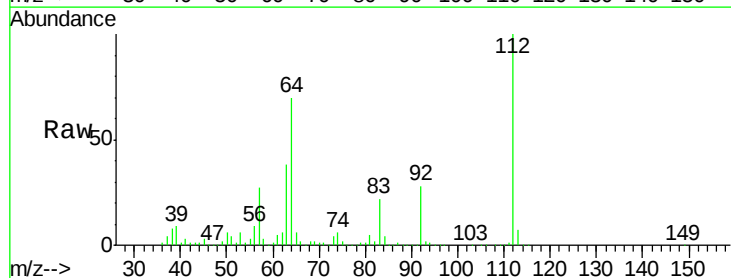
Tgt Ion:112 Resp: 2219270

Ion Ratio Lower Upper

112 100

64 70.4 48.7 73.1

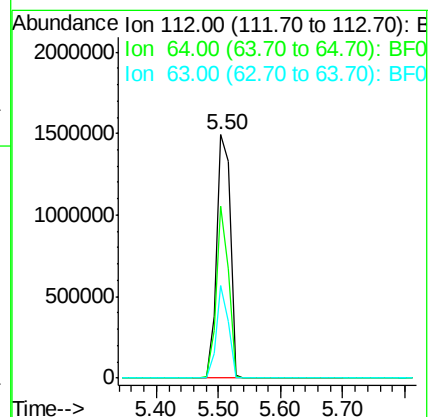
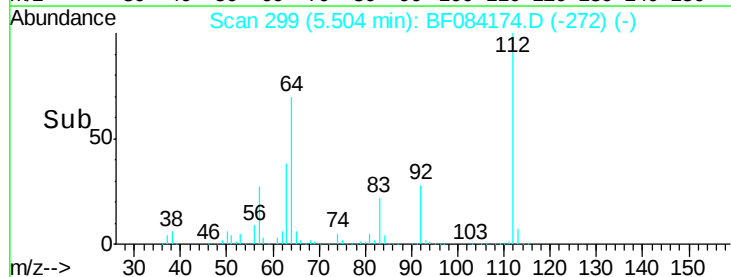
63 37.9 25.9 38.9

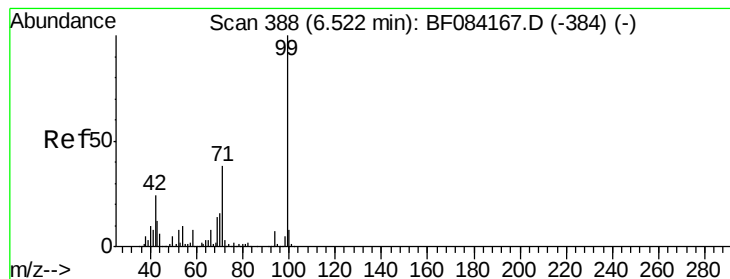


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 104.65 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.01 min

Lab File: BF084174.D

Acq: 31 Dec 2015 4:43

Instrument :

BNA_F

ClientSampleId :

LAR-9883

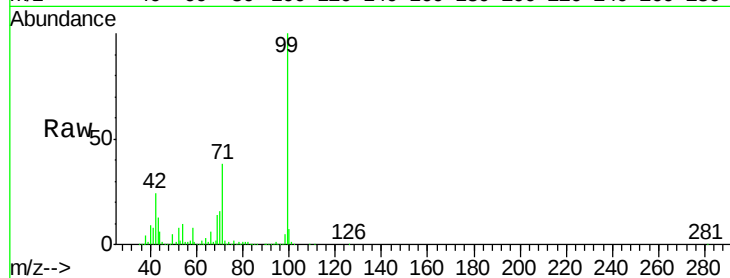
Tot Ion: 99 Resp: 2476496

Ion Ratio Lower Upper

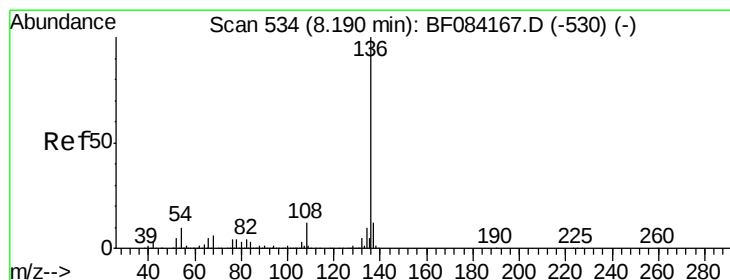
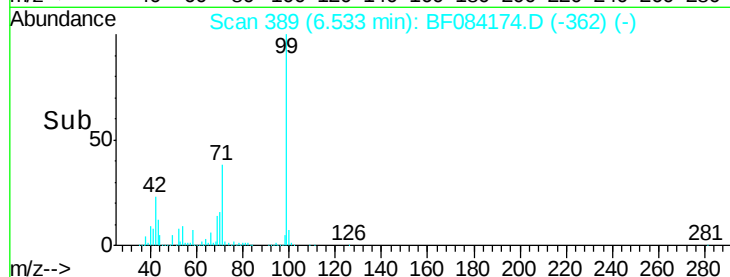
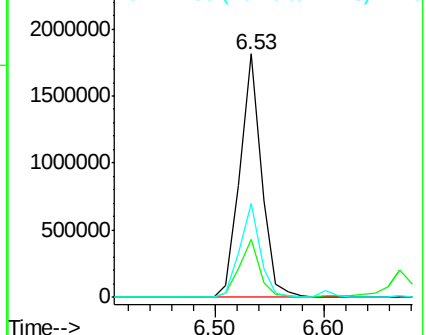
99 100

42 23.6 19.2 28.8

71 38.4 30.4 45.6



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: 8.19 min Scan# 534

Delta R.T. -0.00 min

Lab File: BF084174.D

Acq: 31 Dec 2015 4:43

Tgt Ion: 136 Resp: 1302200

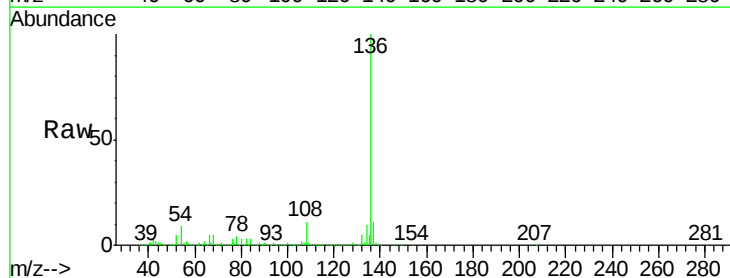
Ion Ratio Lower Upper

136 100

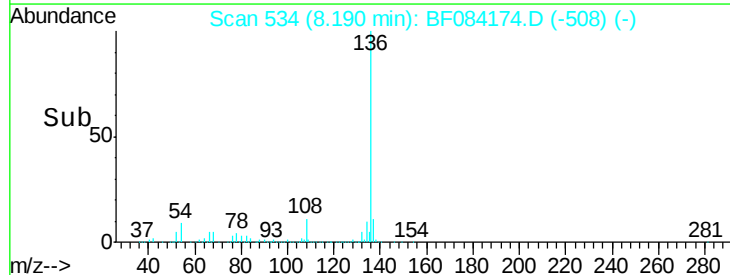
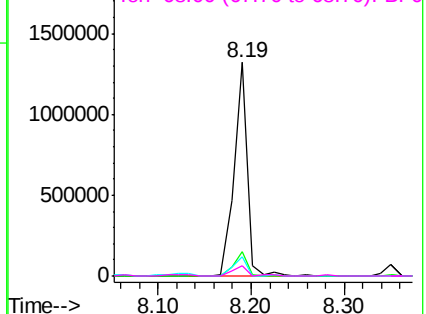
137 11.2 9.4 14.0

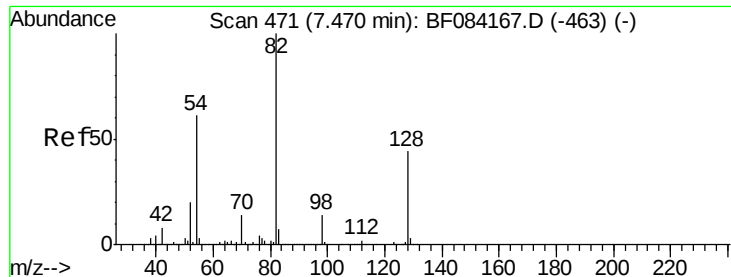
54 8.7 7.6 11.4

68 5.1 4.6 6.8



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

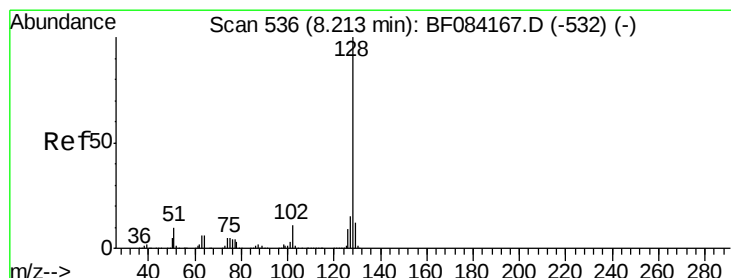
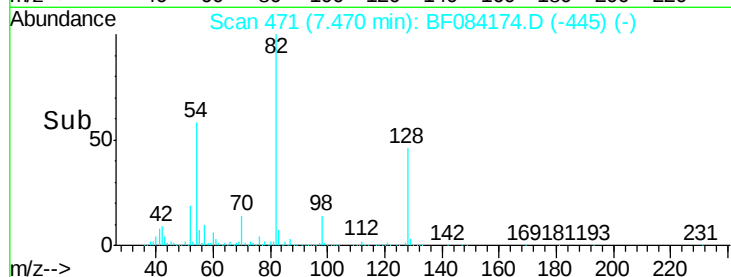
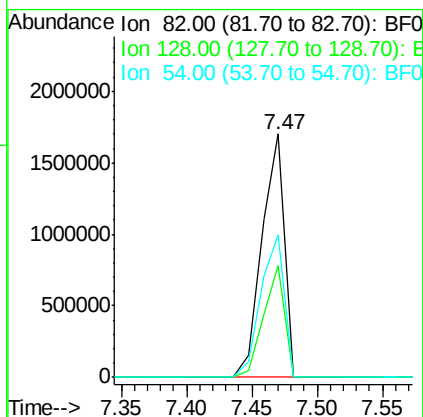
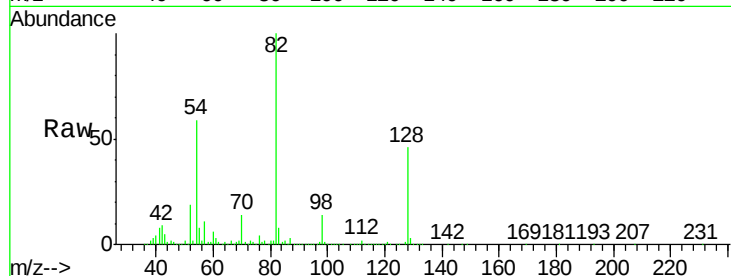




#23
Nitrobenzene-d5
Concen: 92.36 ng
RT: 7.47 min Scan# 471
Delta R.T. -0.00 min
Lab File: BF084174.D
Acq: 31 Dec 2015 4:43

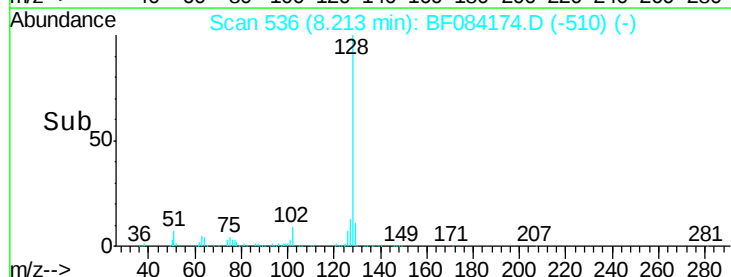
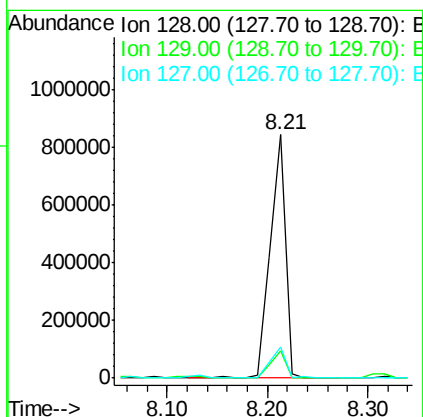
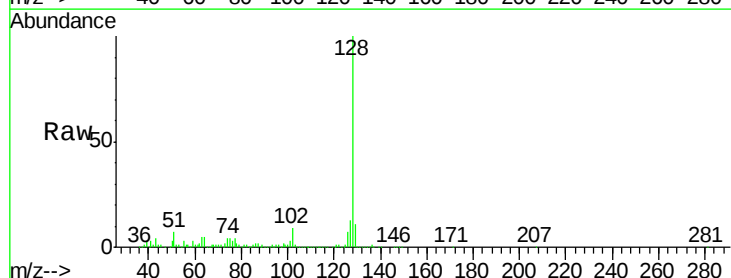
Instrument :
BNA_F
ClientSampleId :
LAR-9883

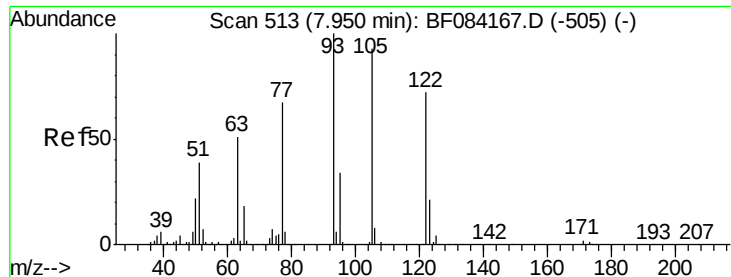
Tot Ion: 82 Resp: 2035431
Ion Ratio Lower Upper
82 100
128 46.1 35.0 52.4
54 58.5 48.5 72.7



#31
Naphthalene
Concen: 14.92 ng
RT: 8.21 min Scan# 536
Delta R.T. -0.00 min
Lab File: BF084174.D
Acq: 31 Dec 2015 4:43

Tgt Ion: 128 Resp: 887682
Ion Ratio Lower Upper
128 100
129 11.1 10.0 15.0
127 12.9 12.0 18.0

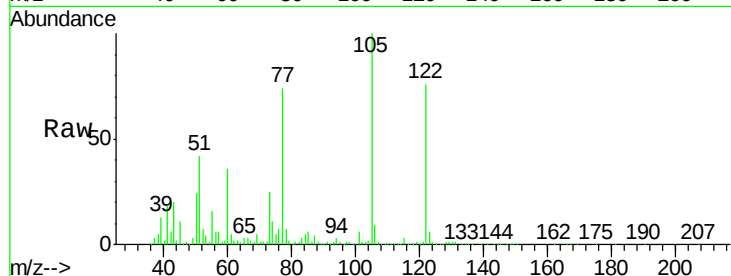




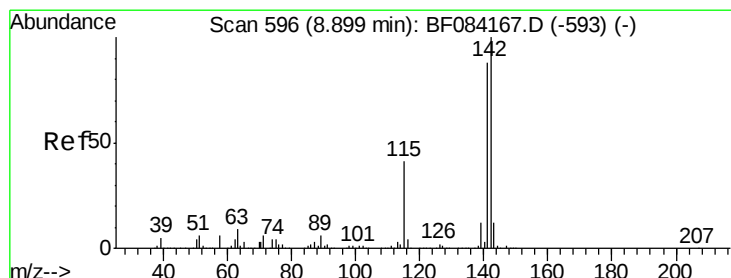
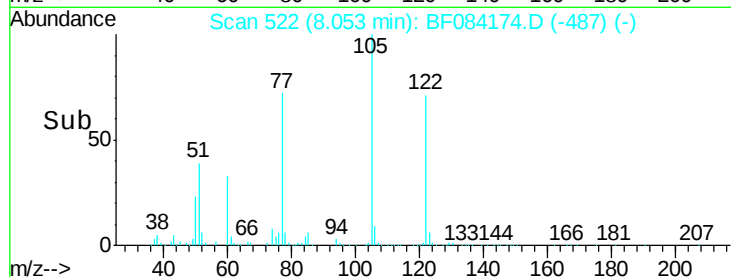
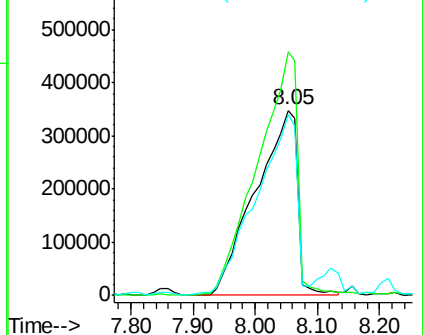
#32
Benzoic acid
Concen: 99.04 ng
RT: 8.05 min Scan# 522
Delta R.T. 0.10 min
Lab File: BF084174.D
Acq: 31 Dec 2015 4:43

Instrument :
BNA_F
ClientSampleId :
LAR-9883

Tot Ion:122 Resp: 1637978
Ion Ratio Lower Upper
122 100
105 131.4 108.6 148.6
77 97.3 74.1 114.1

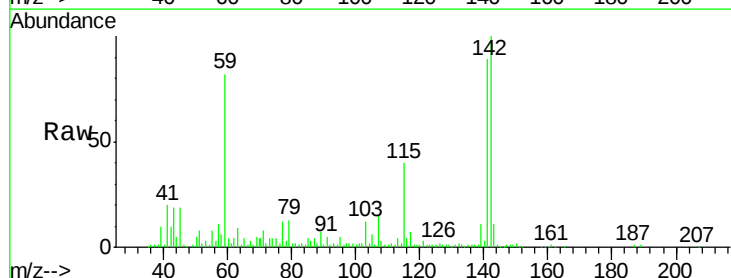


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): E

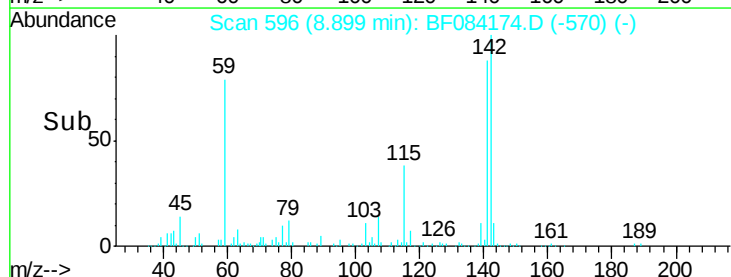
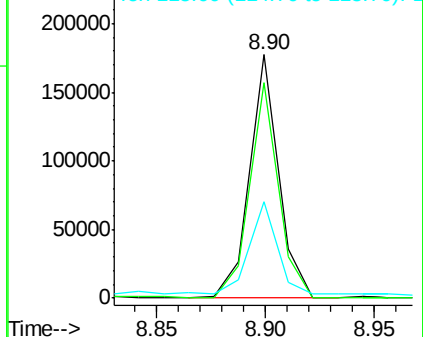


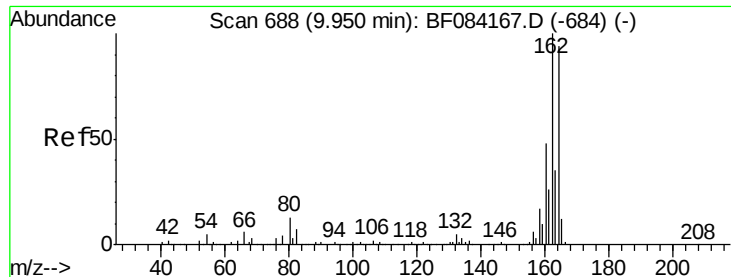
#37
2-Methylnaphthalene
Concen: 3.92 ng
RT: 8.90 min Scan# 596
Delta R.T. 0.00 min
Lab File: BF084174.D
Acq: 31 Dec 2015 4:43

Tgt Ion:142 Resp: 165303
Ion Ratio Lower Upper
142 100
141 88.6 70.7 106.1
115 39.8 33.2 49.8



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

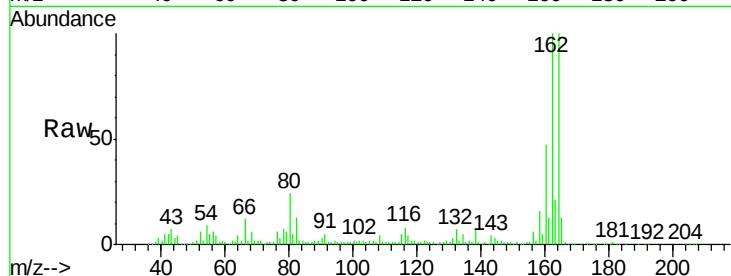




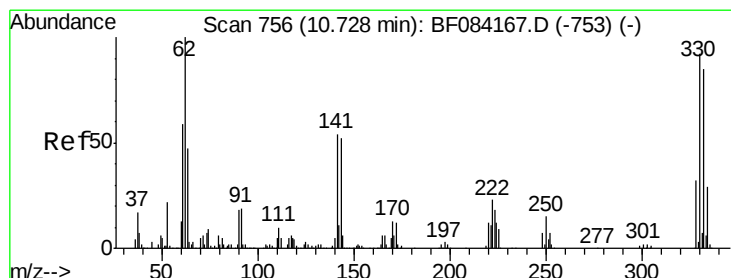
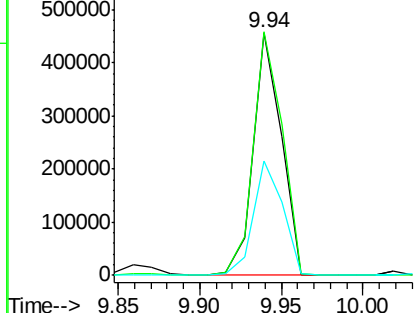
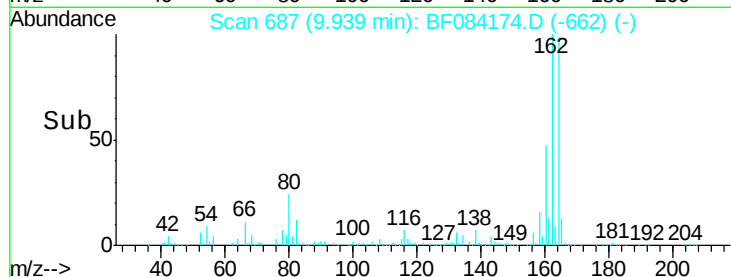
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.01 min
Lab File: BF084174.D
Acq: 31 Dec 2015 4:43

Instrument :
BNA_F
ClientSampleId :
LAR-9883

Tot Ion:164 Resp: 541022
Ion Ratio Lower Upper
164 100
162 100.5 84.8 127.2
160 47.2 40.4 60.6

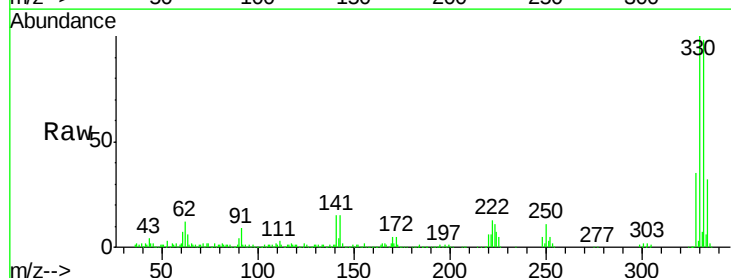


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

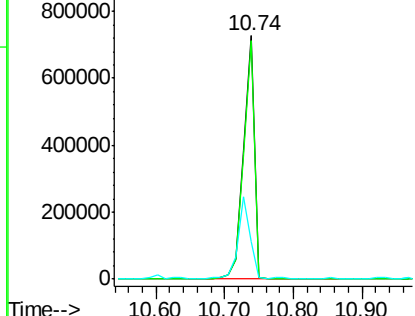
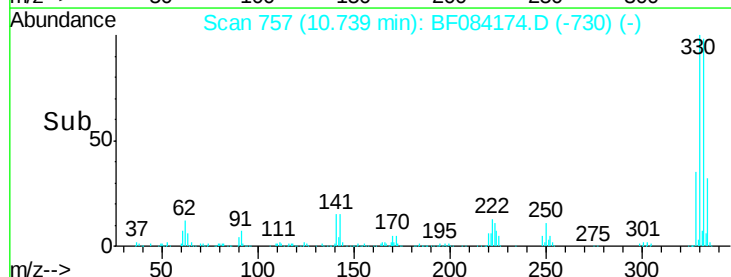


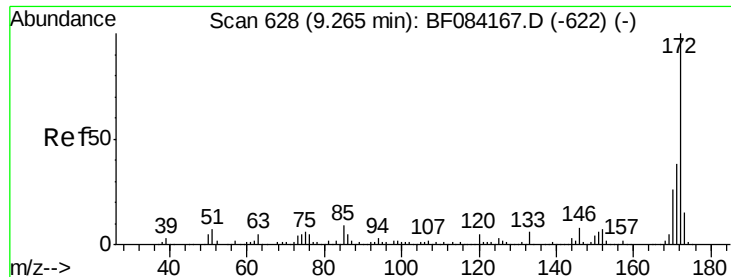
#41
2,4,6-Tribromophenol
Concen: 152.74 ng
RT: 10.74 min Scan# 757
Delta R.T. 0.01 min
Lab File: BF084174.D
Acq: 31 Dec 2015 4:43

Tgt Ion:330 Resp: 824815
Ion Ratio Lower Upper
330 100
332 97.0 76.2 114.2
141 36.1 31.3 46.9



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

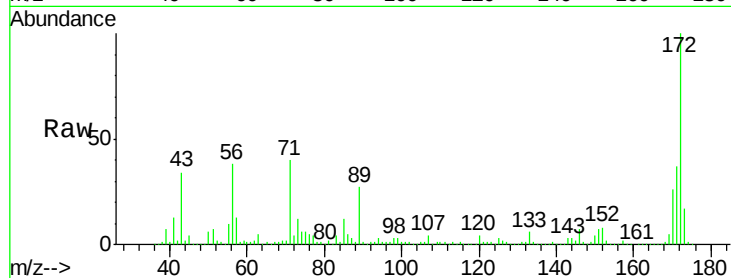




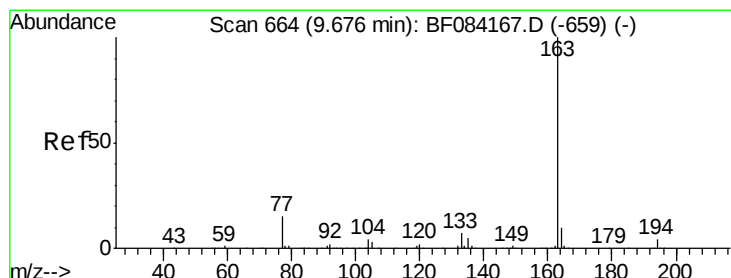
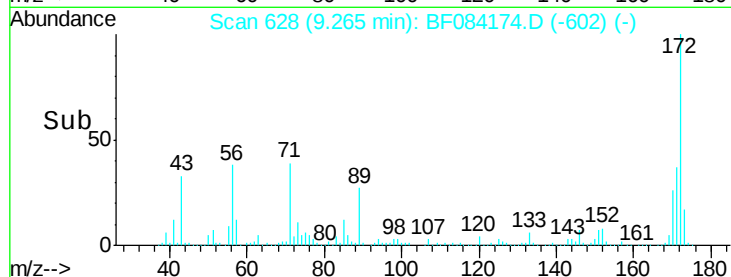
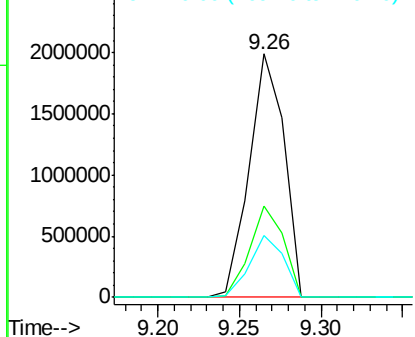
#44
2-Fluorobiphenyl
Concen: 96.38 ng
RT: 9.26 min Scan# 628
Delta R.T. 0.00 min
Lab File: BF084174.D
Acq: 31 Dec 2015 4:43

Instrument :
BNA_F
ClientSampled :
LAR-9883

Tot Ion:172 Resp: 2945371
Ion Ratio Lower Upper
172 100
171 37.4 30.6 46.0
170 25.5 20.6 30.8

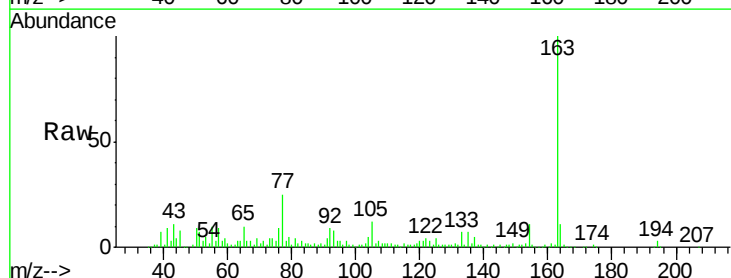


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

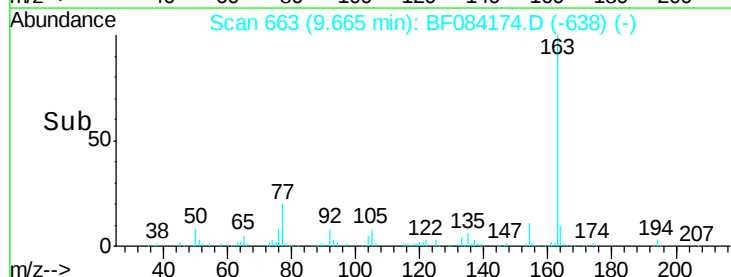
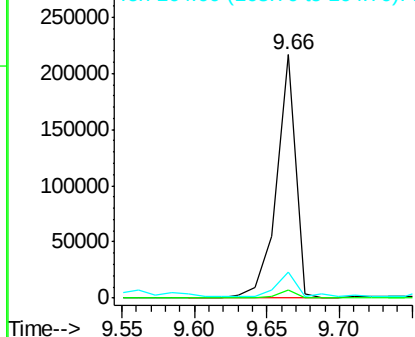


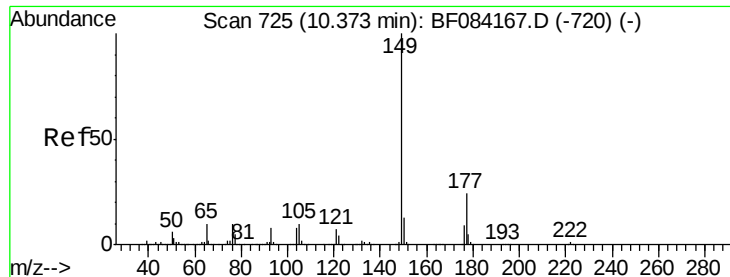
#49
Dimethylphthalate
Concen: 5.06 ng
RT: 9.66 min Scan# 663
Delta R.T. -0.01 min
Lab File: BF084174.D
Acq: 31 Dec 2015 4:43

Tgt Ion:163 Resp: 196673
Ion Ratio Lower Upper
163 100
194 3.3 3.0 4.6
164 10.9 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

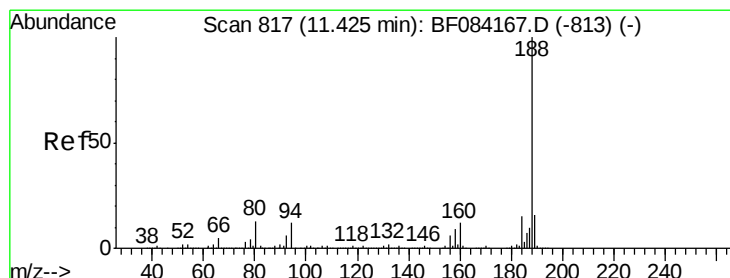
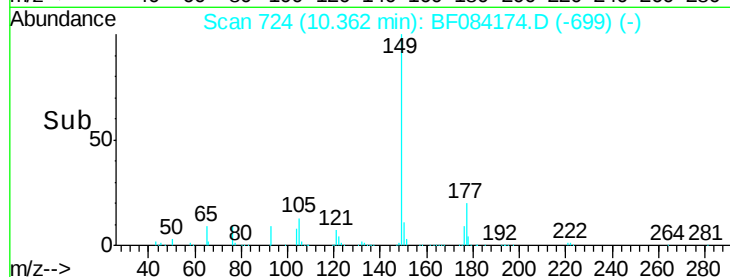
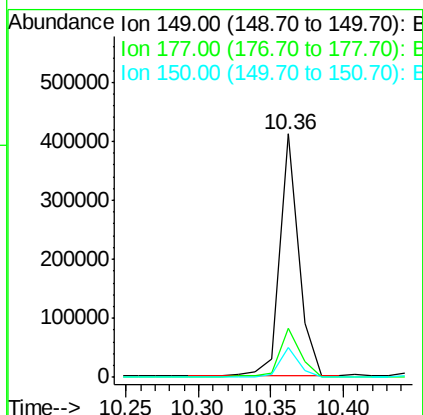
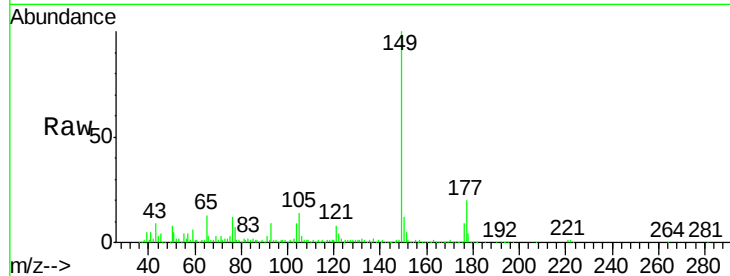




#59
Diethylphthalate
Concen: 6.86 ng
RT: 10.36 min Scan# 724
Delta R.T. -0.01 min
Lab File: BF084174.D
Acq: 31 Dec 2015 4:43

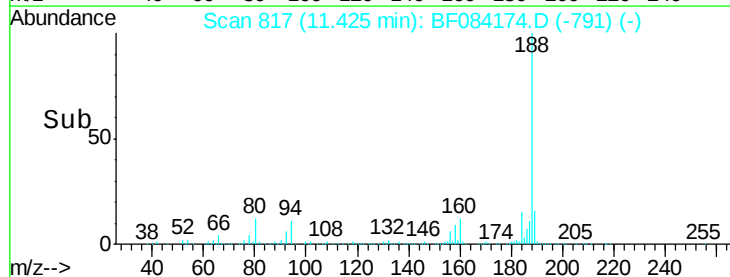
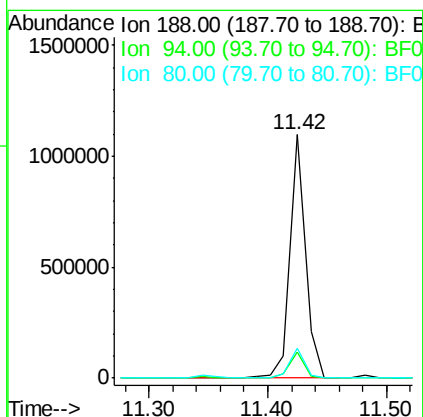
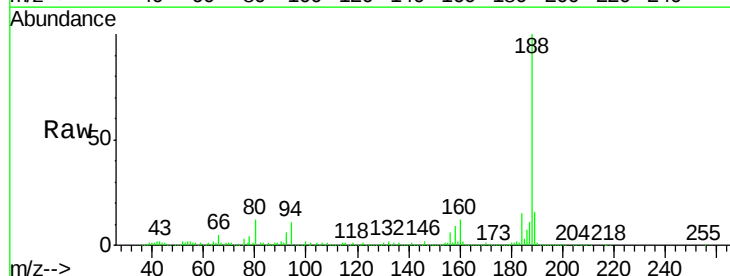
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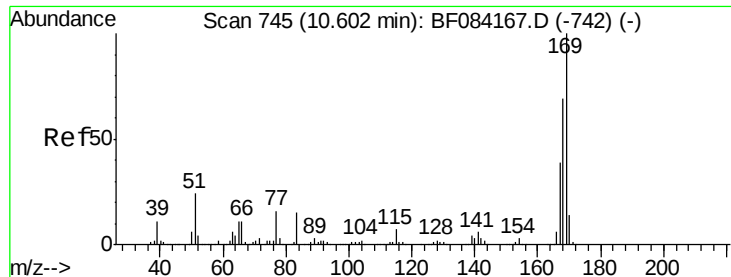
Tot Ion:149 Resp: 370854
Ion Ratio Lower Upper
149 100
177 20.3 19.1 28.7
150 12.3 10.6 15.8



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.42 min Scan# 817
Delta R.T. 0.00 min
Lab File: BF084174.D
Acq: 31 Dec 2015 4:43

Tgt Ion:188 Resp: 983547
Ion Ratio Lower Upper
188 100
94 10.8 9.2 13.8
80 12.0 10.1 15.1





#65

n-Nitrosodiphenylamine

Concen: 5.72 ng

RT: 10.60 min Scan# 745

Delta R.T. 0.00 min

Lab File: BF084174.D

Acq: 31 Dec 2015 4:43

Instrument :

BNA_F

ClientSampleId :

LAR-9883

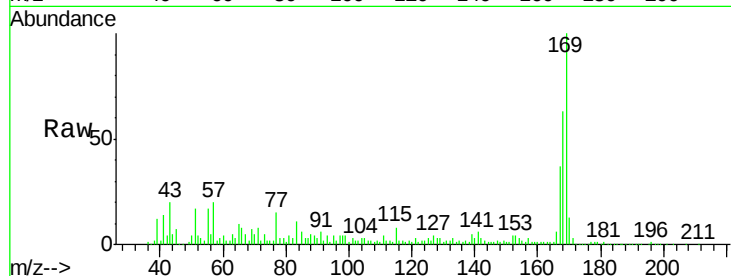
Tot Ion:169 Resp: 178263

Ion Ratio Lower Upper

169 100

168 63.3 55.2 82.8

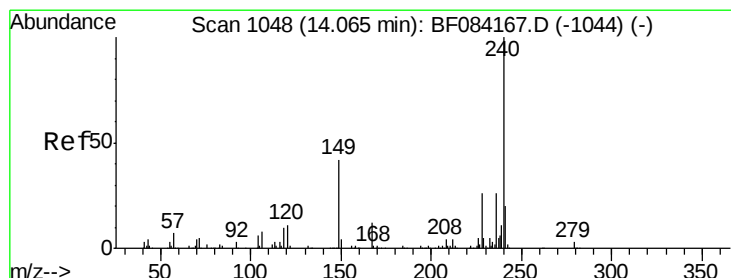
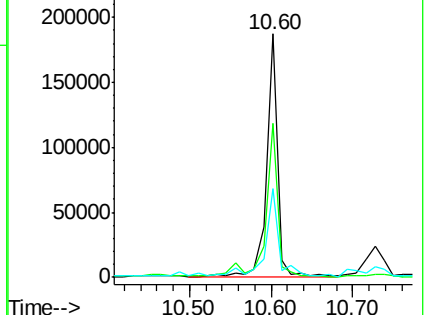
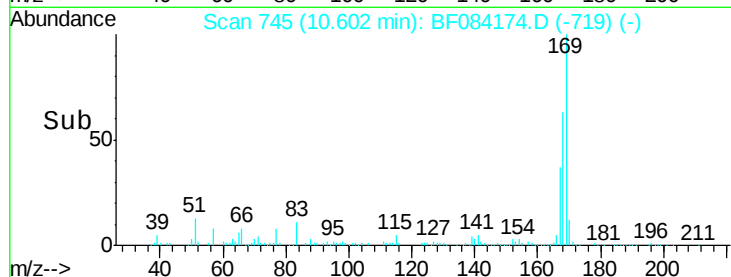
167 36.6 31.1 46.7



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.07 min Scan# 1048

Delta R.T. 0.00 min

Lab File: BF084174.D

Acq: 31 Dec 2015 4:43

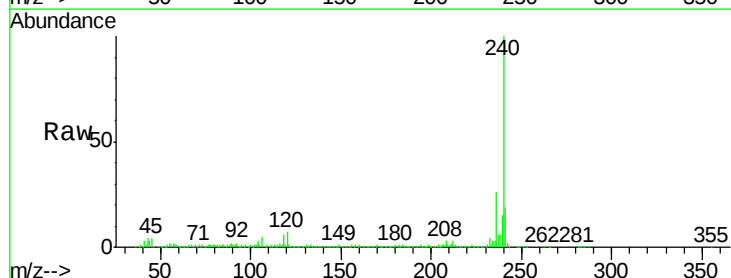
Tgt Ion:240 Resp: 672811

Ion Ratio Lower Upper

240 100

120 6.9 8.8 13.2#

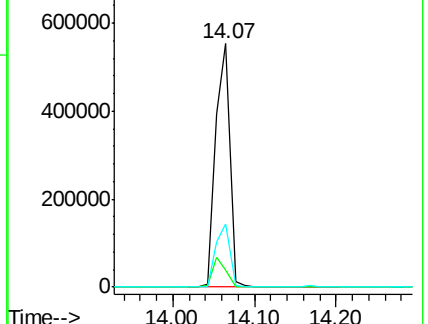
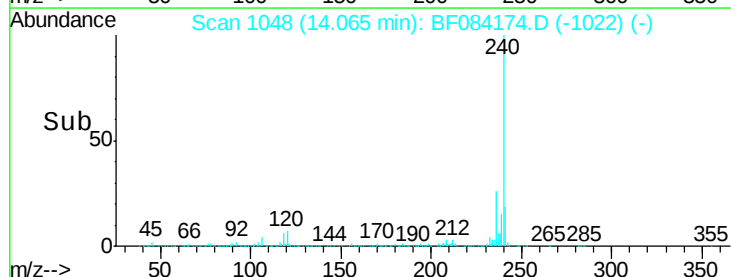
236 26.1 20.8 31.2

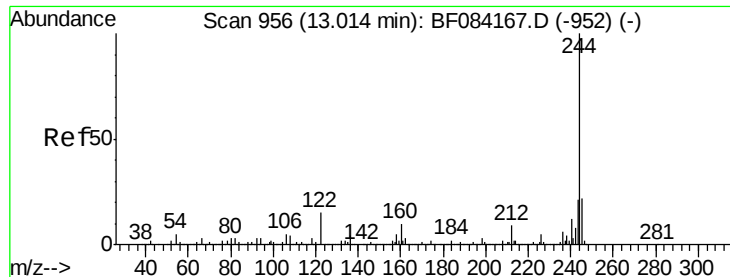


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 55.55 ng

RT: 13.01 min Scan# 956

Delta R.T. 0.00 min

Lab File: BF084174.D

Acq: 31 Dec 2015 4:43

Instrument :

BNA_F

ClientSampleId :

LAR-9883

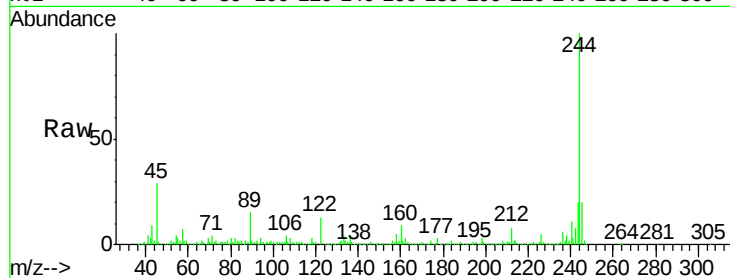
Tot Ion:244 Resp: 1586801

Ion Ratio Lower Upper

244 100

212 8.1 7.0 10.4

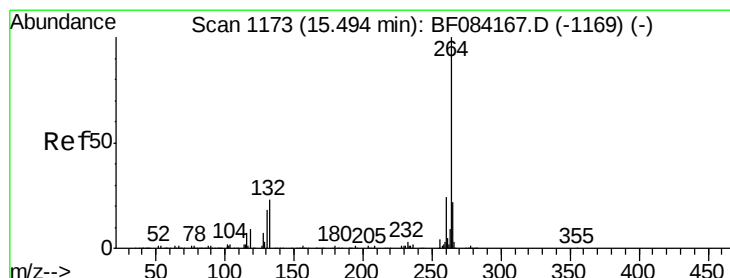
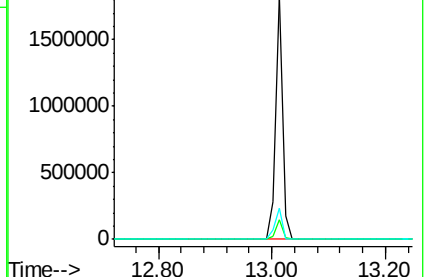
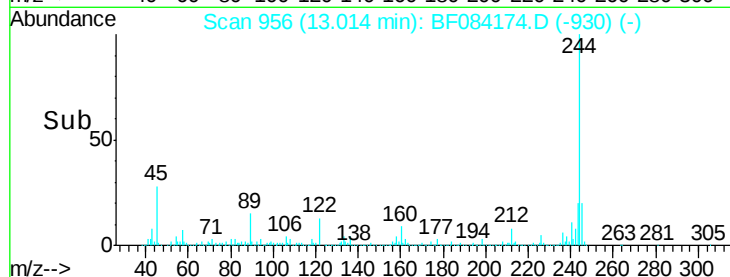
122 12.9 11.9 17.9



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: 15.51 min Scan# 1174

Delta R.T. 0.01 min

Lab File: BF084174.D

Acq: 31 Dec 2015 4:43

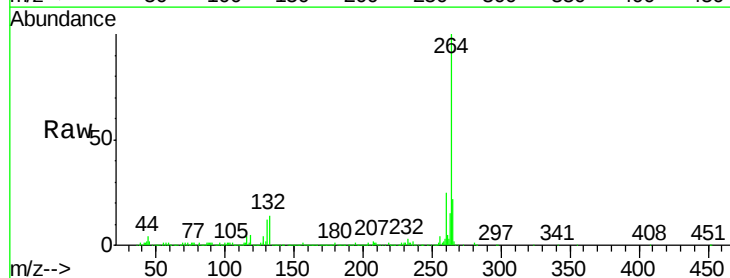
Tgt Ion:264 Resp: 540373

Ion Ratio Lower Upper

264 100

260 25.0 18.9 28.3

265 22.4 18.0 27.0



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

