

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012116\
 Data File : BF084578.D
 Acq On : 21 Jan 2016 12:03
 Operator : SJ/UM
 Sample : H1159-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SULFURCAKE

Quant Time: Jan 22 00:38:44 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 14 14:15:52 2016
 Response via : Initial Calibration

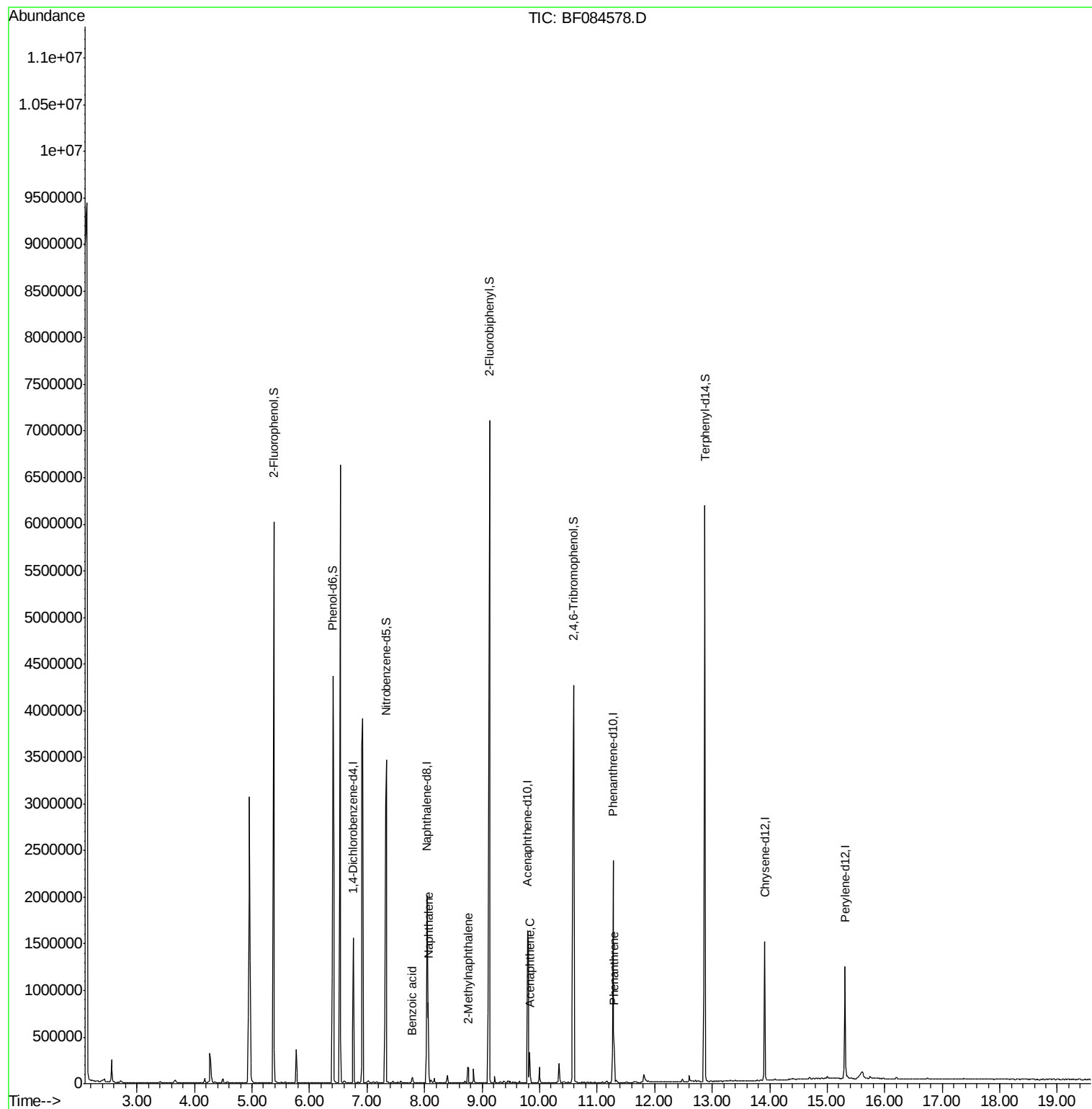
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	239849	20.00	ng	-0.07
21) Naphthalene-d8	8.04	136	959743	20.00	ng	-0.08
38) Acenaphthene-d10	9.79	164	475036	20.00	ng	-0.08
63) Phenanthrene-d10	11.28	188	864009	20.00	ng	-0.08
75) Chrysene-d12	13.92	240	800629	20.00	ng	-0.08
86) Perylene-d12	15.31	264	589257	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	1651180	111.35	ng	-0.06
7) Phenol-d6	6.41	99	1912216	102.68	ng	-0.07
23) Nitrobenzene-d5	7.33	82	1633286	94.71	ng	-0.07
41) 2,4,6-Tribromophenol	10.59	330	670656	139.84	ng	-0.08
44) 2-Fluorobiphenyl	9.13	172	2630812	98.42	ng	-0.07
78) Terphenyl-d14	12.88	244	2740232	76.40	ng	-0.07
Target Compounds						
31) Naphthalene	8.06	128	367916	8.45	ng	98
32) Benzoic acid	7.78	122	5474	6.71	ng	# 81
37) 2-Methylnaphthalene	8.76	142	70247	2.25	ng	94
51) Acenaphthene	9.82	154	77432	2.63	ng	97
70) Phenanthrene	11.30	178	123064	2.72	ng	99

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

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Quant Time: Jan 22 00:38:44 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
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QLast Update : Thu Jan 14 14:15:52 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. -0.07 min

Lab File: BF084578.D

Acq: 21 Jan 2016 12:03

Instrument :

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ClientSampleId :

SULFURCAKE

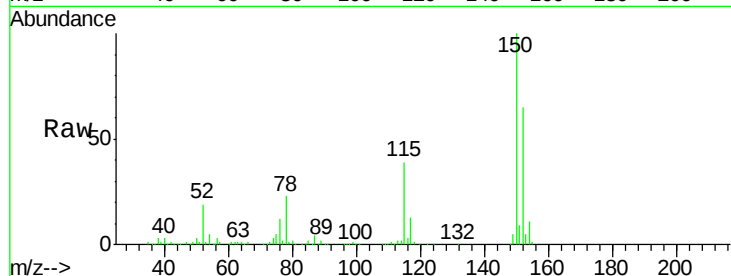
Tot Ion:152 Resp: 239849

Ion Ratio Lower Upper

152 100

150 155.0 123.0 184.4

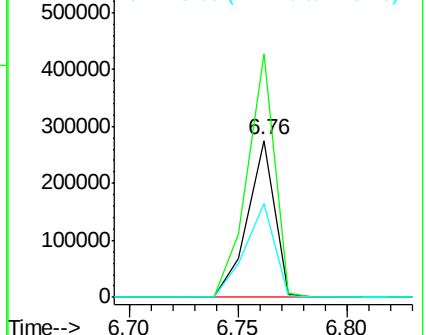
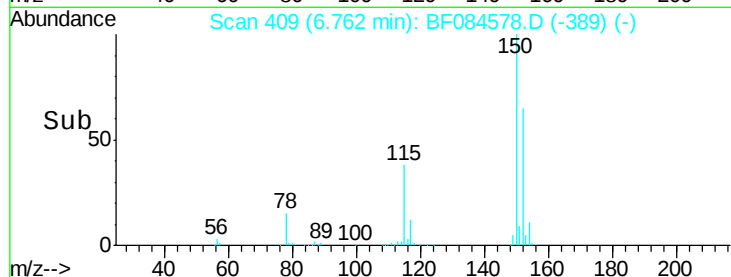
115 60.1 51.4 77.2



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



#5

2-Fluorophenol

Concen: 111.35 ng

RT: 5.38 min Scan# 288

Delta R.T. -0.06 min

Lab File: BF084578.D

Acq: 21 Jan 2016 12:03

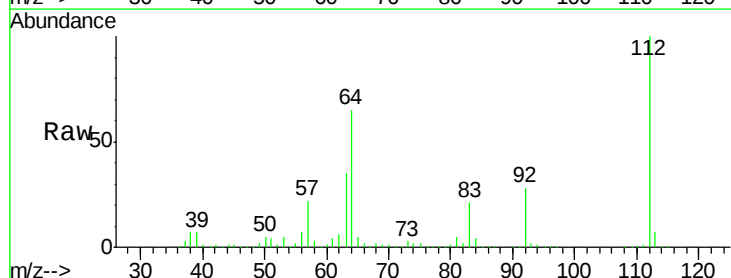
Tgt Ion:112 Resp: 1651180

Ion Ratio Lower Upper

112 100

64 65.5 36.6 55.0#

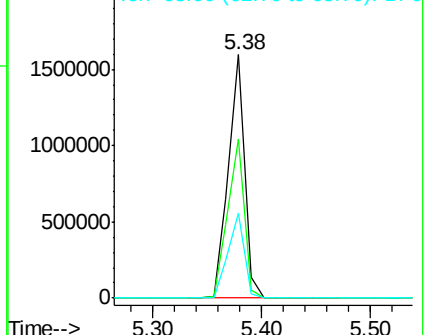
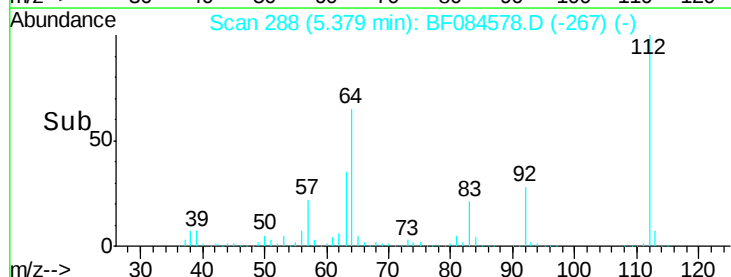
63 34.9 19.4 29.0#

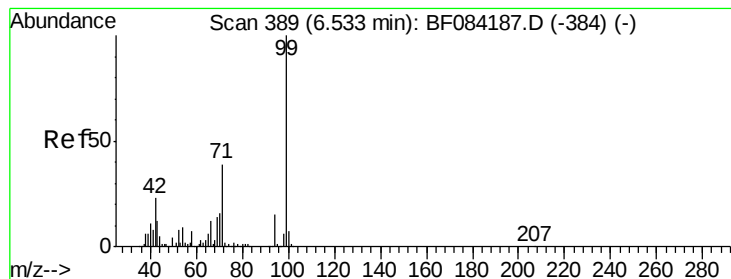


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 102.68 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.07 min

Lab File: BF084578.D

Acq: 21 Jan 2016 12:03

Instrument :

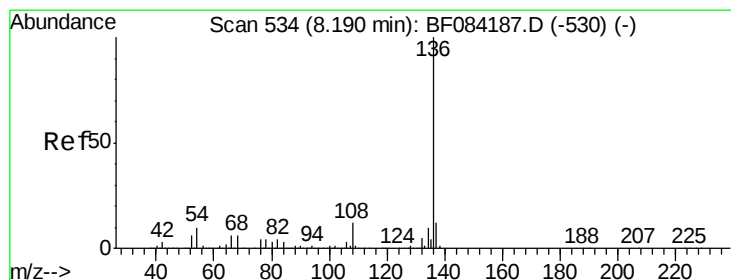
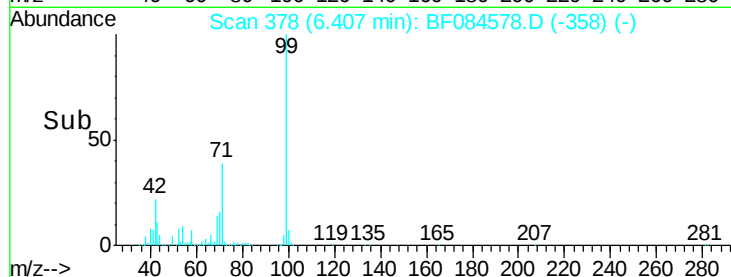
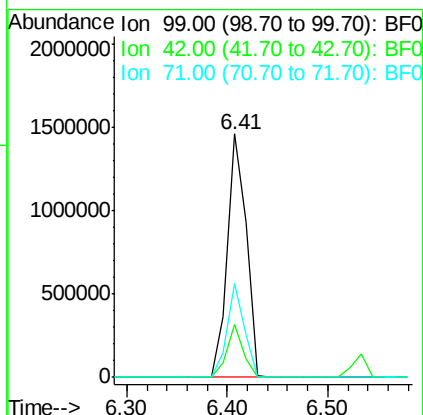
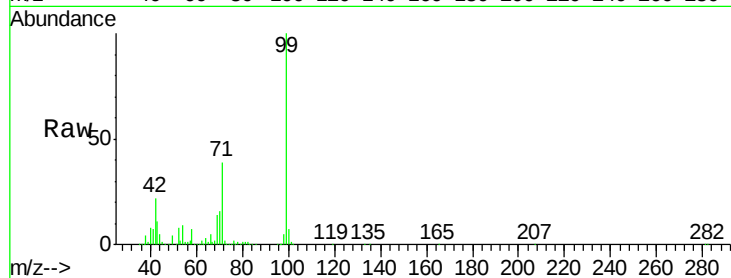
BNA_F

ClientSampleId :

SULFURCAKE

Tot Ion: 99 Resp: 1912216

Ion	Ratio	Lower	Upper
99	100		
42	21.5	12.8	19.2#
71	38.8	30.9	46.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.04 min Scan# 521

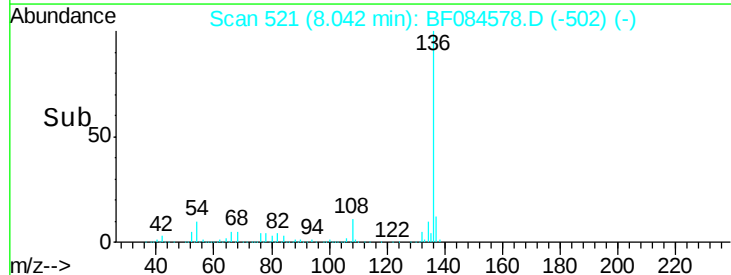
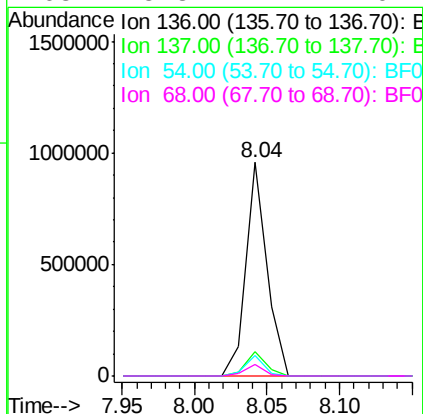
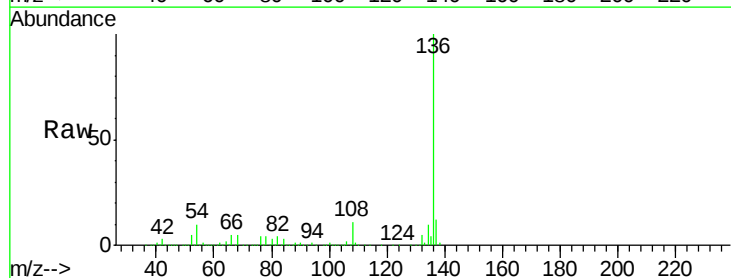
Delta R.T. -0.08 min

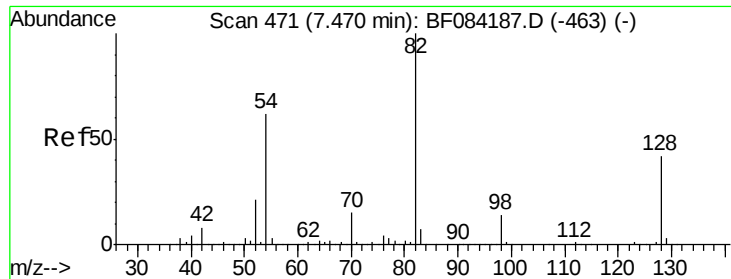
Lab File: BF084578.D

Acq: 21 Jan 2016 12:03

Tgt Ion: 136 Resp: 959743

Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.7	13.1
54	9.8	5.8	8.8#
68	5.3	4.2	6.2

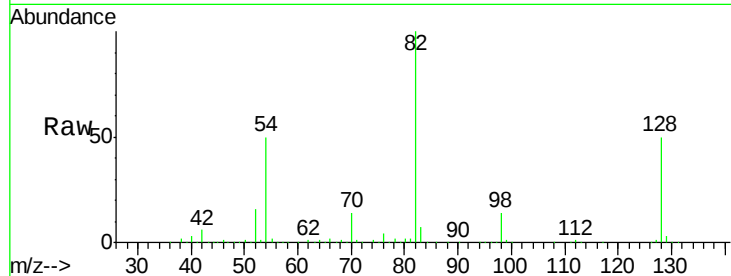




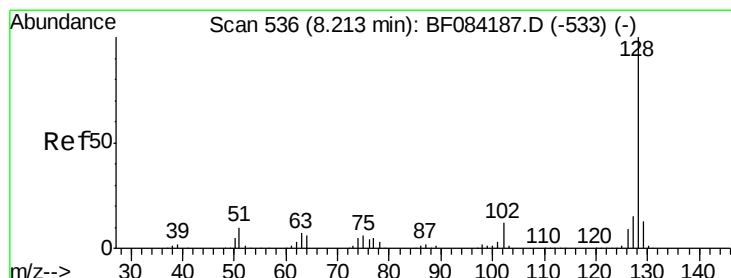
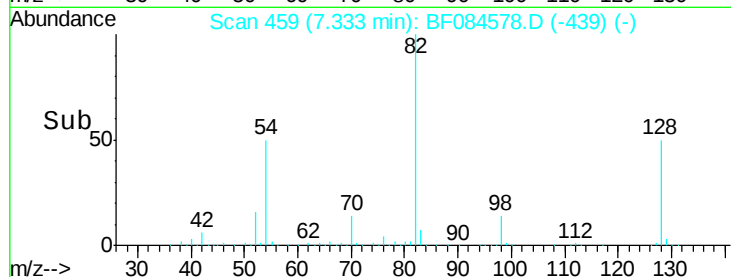
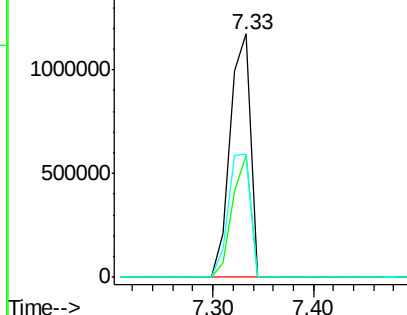
#23
Nitrobenzene-d5
Concen: 94.71 ng
RT: 7.33 min Scan# 459
Delta R.T. -0.07 min
Lab File: BF084578.D
Acq: 21 Jan 2016 12:03

Instrument :
BNA_F
ClientSampleId :
SULFURCAKE

Tot Ion: 82 Resp: 1633286
Ion Ratio Lower Upper
82 100
128 50.0 34.6 51.8
54 50.4 38.4 57.6

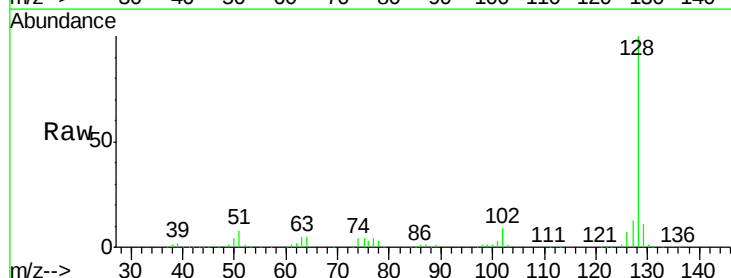


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

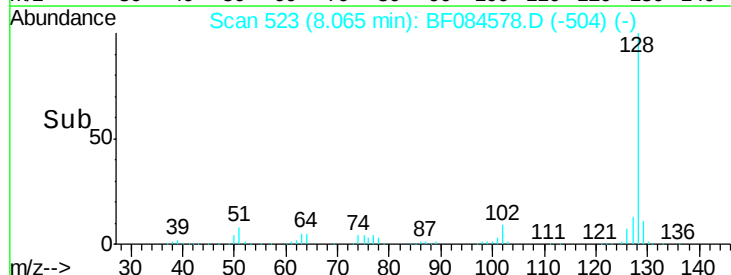
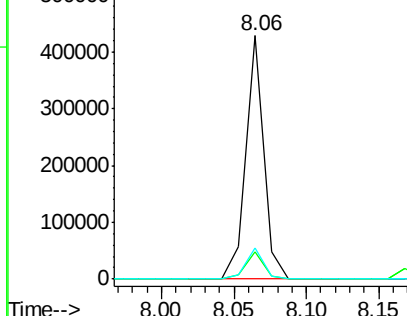


#31
Naphthalene
Concen: 8.45 ng
RT: 8.06 min Scan# 523
Delta R.T. -0.08 min
Lab File: BF084578.D
Acq: 21 Jan 2016 12:03

Tgt Ion: 128 Resp: 367916
Ion Ratio Lower Upper
128 100
129 11.1 9.1 13.7
127 12.7 11.1 16.7



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 6.71 ng

RT: 7.78 min Scan# 498

Delta R.T. -0.11 min

Lab File: BF084578.D

Acq: 21 Jan 2016 12:03

Instrument :

BNA_F

ClientSampleId :

SULFURCAKE

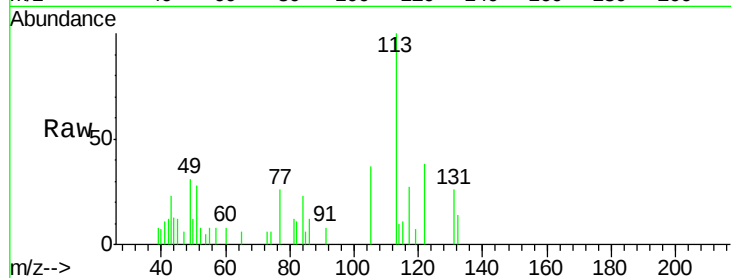
Tot Ion:122 Resp: 5474

Ion Ratio Lower Upper

122 100

105 96.6 100.3 140.3#

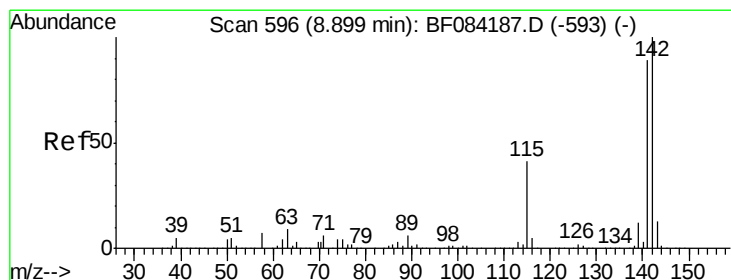
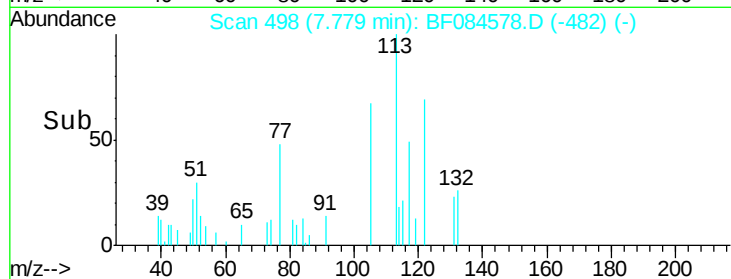
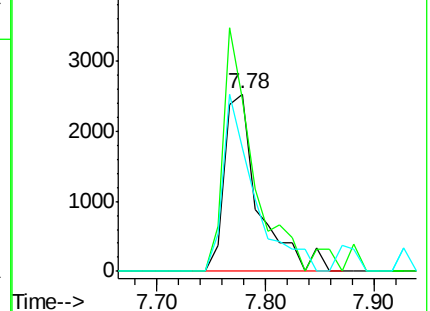
77 69.5 63.5 103.5



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: 2.25 ng

RT: 8.76 min Scan# 584

Delta R.T. -0.07 min

Lab File: BF084578.D

Acq: 21 Jan 2016 12:03

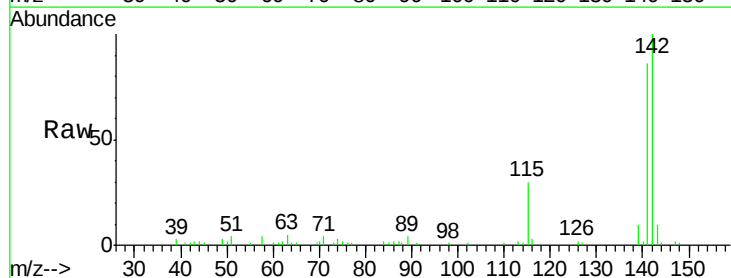
Tgt Ion:142 Resp: 70247

Ion Ratio Lower Upper

142 100

141 85.9 72.4 108.6

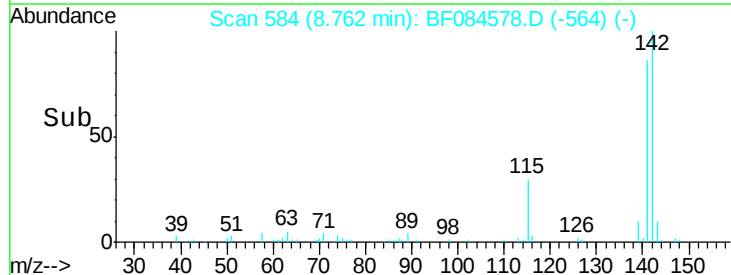
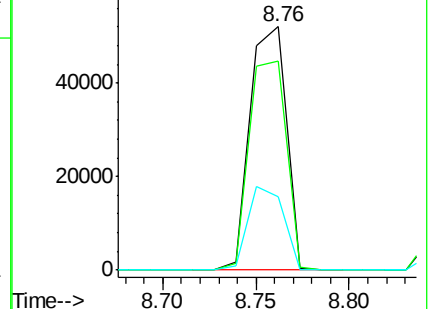
115 30.3 27.9 41.9

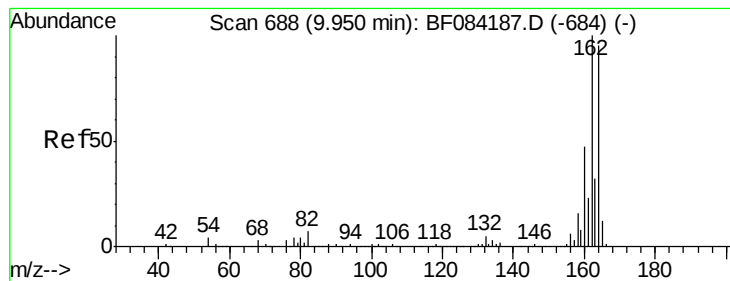


Abundance Ion 142.00 (141.70 to 142.70): E

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: 9.79 min Scan# 674

Delta R.T. -0.08 min

Lab File: BF084578.D

Acq: 21 Jan 2016 12:03

Instrument :

BNA_F

ClientSampleId :

SULFURCAKE

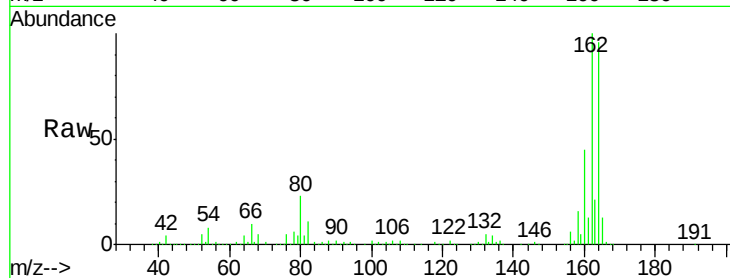
Tot Ion:164 Resp: 475036

Ion Ratio Lower Upper

164 100

162 104.0 85.1 127.7

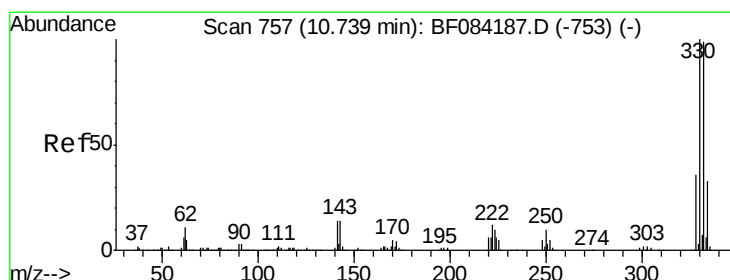
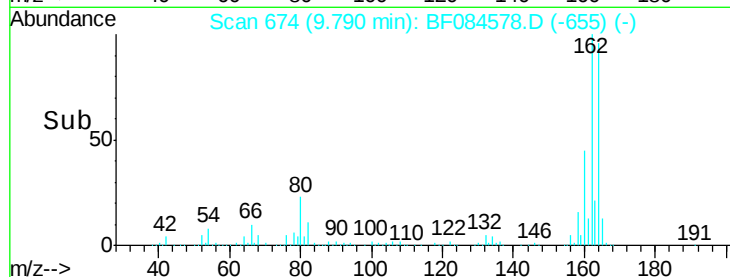
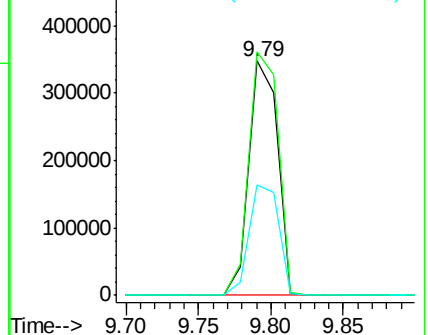
160 47.0 37.5 56.3



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: 139.84 ng

RT: 10.59 min Scan# 744

Delta R.T. -0.08 min

Lab File: BF084578.D

Acq: 21 Jan 2016 12:03

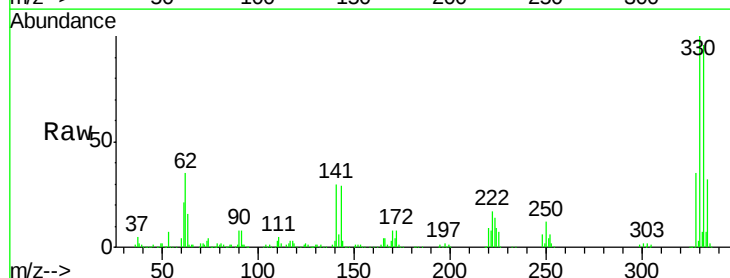
Tgt Ion:330 Resp: 670656

Ion Ratio Lower Upper

330 100

332 95.9 76.6 114.8

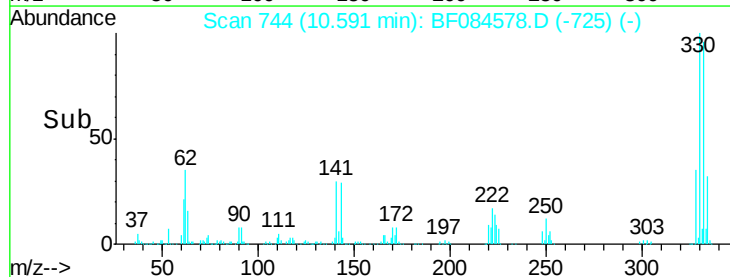
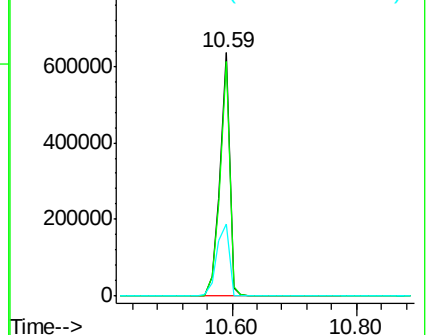
141 38.5 27.8 41.6

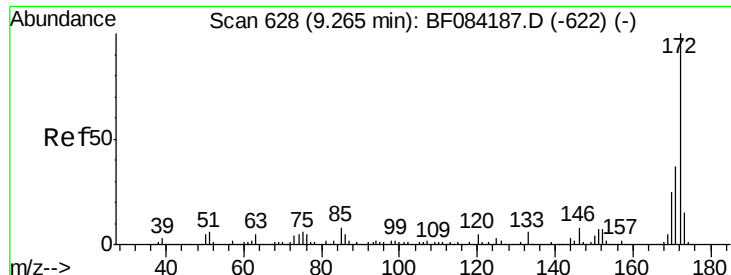


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

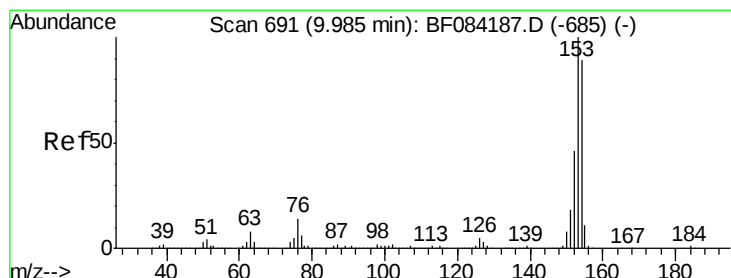
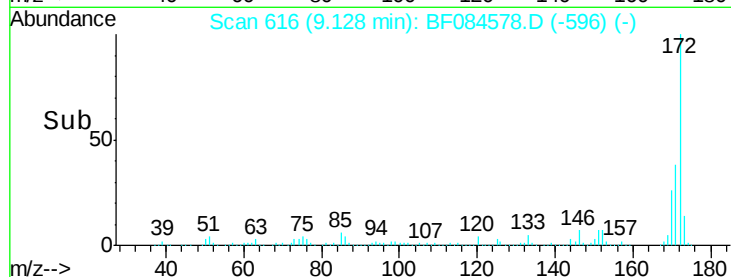
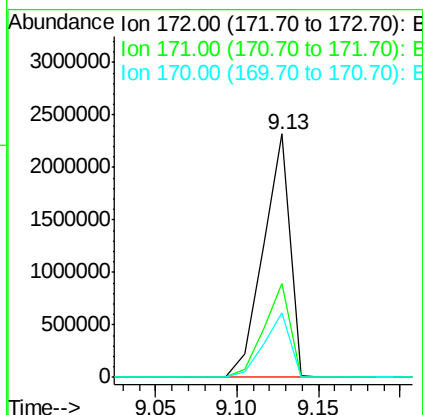
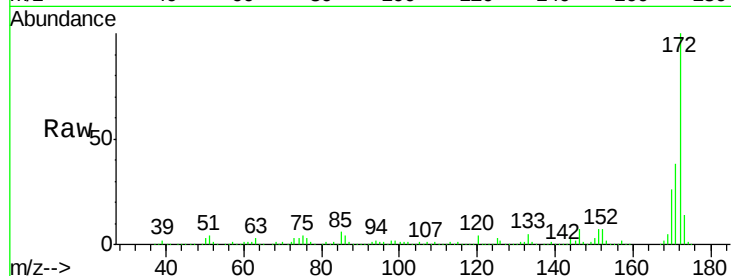




#44
2-Fluorobiphenyl
Concen: 98.42 ng
RT: 9.13 min Scan# 616
Delta R.T. -0.07 min
Lab File: BF084578.D
Acq: 21 Jan 2016 12:03

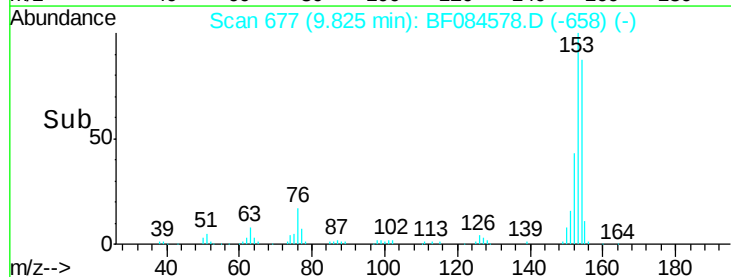
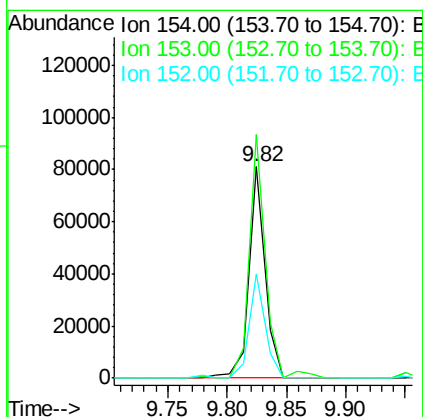
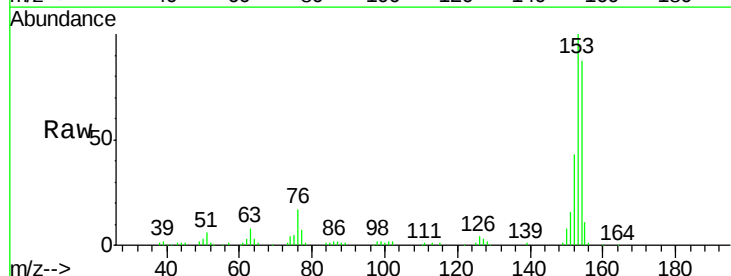
Instrument :
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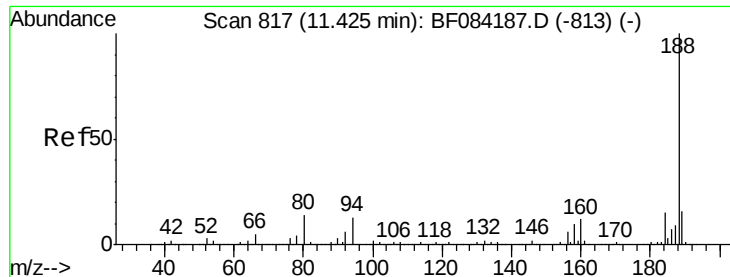
Tot Ion:172 Resp: 2630812
Ion Ratio Lower Upper
172 100
171 38.3 28.9 43.3
170 26.2 18.6 27.8



#51
Acenaphthene
Concen: 2.63 ng
RT: 9.82 min Scan# 677
Delta R.T. -0.08 min
Lab File: BF084578.D
Acq: 21 Jan 2016 12:03

Tgt Ion:154 Resp: 77432
Ion Ratio Lower Upper
154 100
153 115.1 91.5 137.3
152 48.9 43.0 64.6

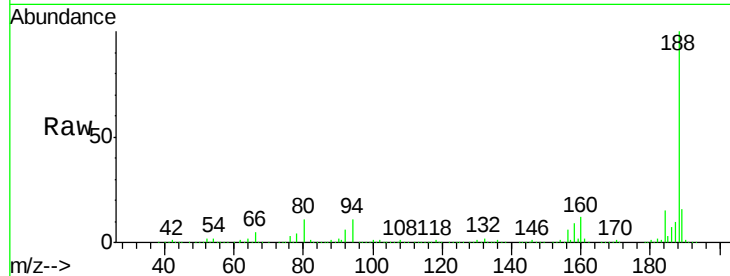




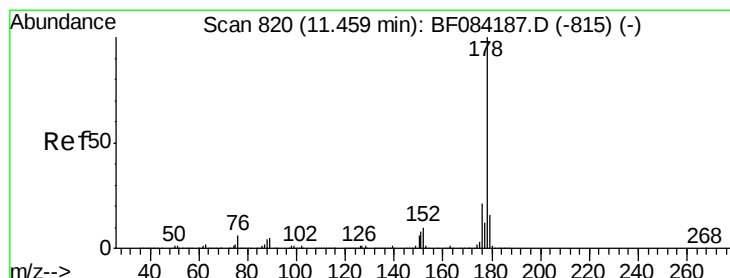
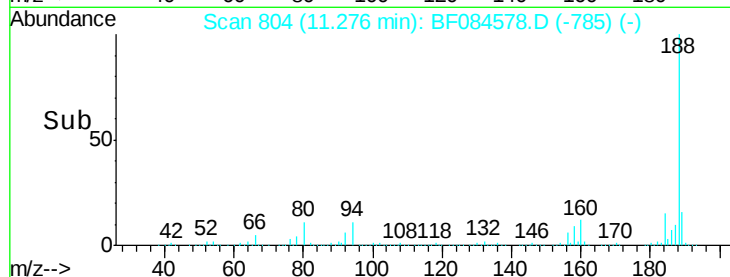
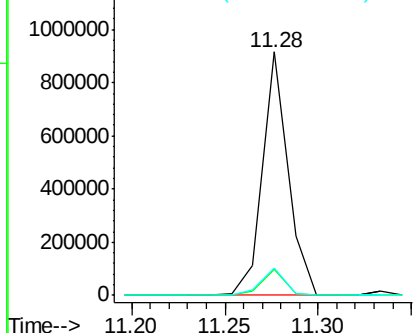
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.28 min Scan# 804
Delta R.T. -0.08 min
Lab File: BF084578.D
Acq: 21 Jan 2016 12:03

Instrument :
BNA_F
ClientSampleId :
SULFURCAKE

Tot Ion:188 Resp: 864009
Ion Ratio Lower Upper
188 100
94 10.7 9.0 13.4
80 11.5 9.6 14.4

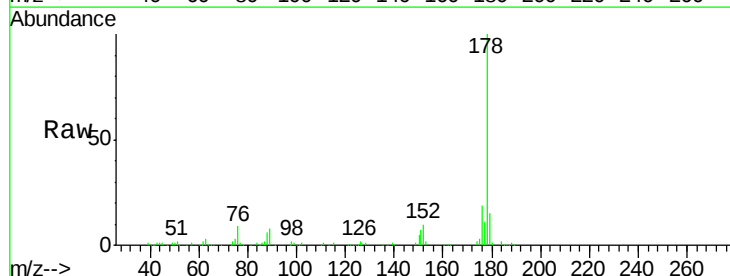


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

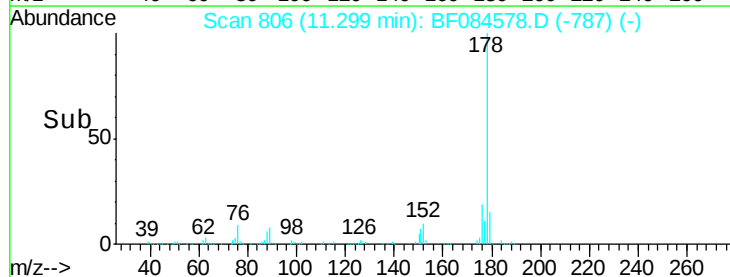
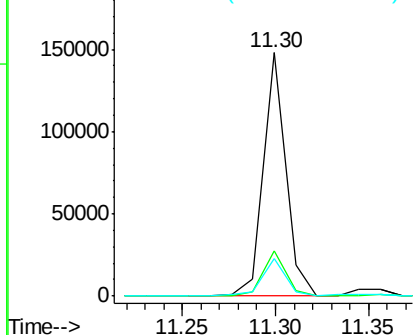


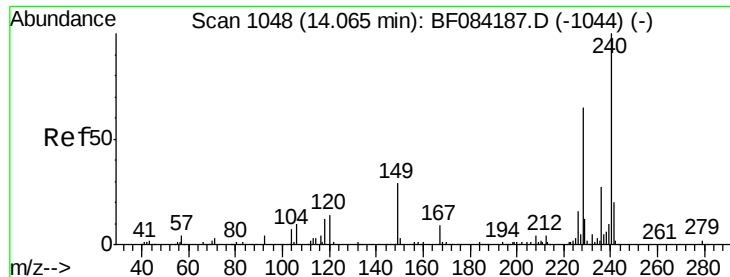
#70
Phenanthrene
Concen: 2.72 ng
RT: 11.30 min Scan# 806
Delta R.T. -0.08 min
Lab File: BF084578.D
Acq: 21 Jan 2016 12:03

Tgt Ion:178 Resp: 123064
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 15.4 12.0 18.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.92 min Scan# 1035

Delta R.T. -0.08 min

Lab File: BF084578.D

Acq: 21 Jan 2016 12:03

Instrument :

BNA_F

ClientSampleId :

SULFURCAKE

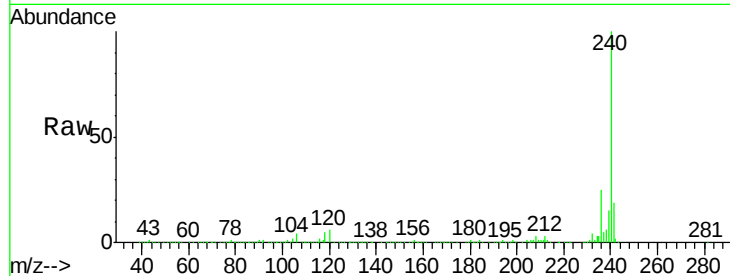
Tot Ion:240 Resp: 800629

Ion Ratio Lower Upper

240 100

120 6.2 9.5 14.3#

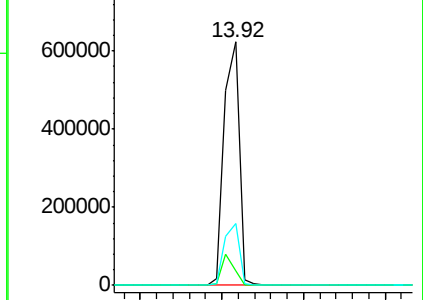
236 25.3 20.6 31.0



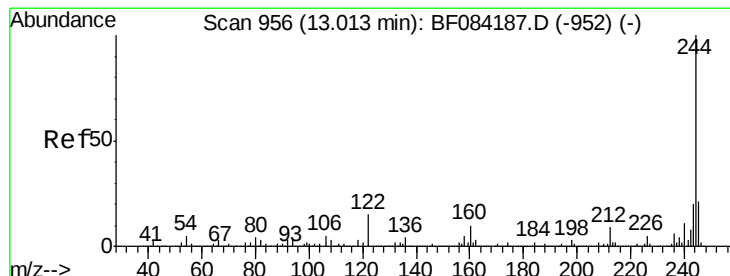
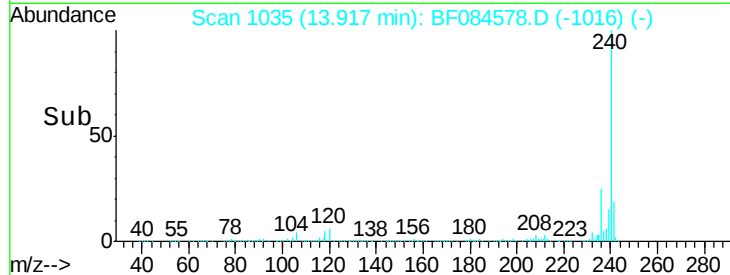
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#78

Terphenyl-d14

Concen: 76.40 ng

RT: 12.88 min Scan# 944

Delta R.T. -0.07 min

Lab File: BF084578.D

Acq: 21 Jan 2016 12:03

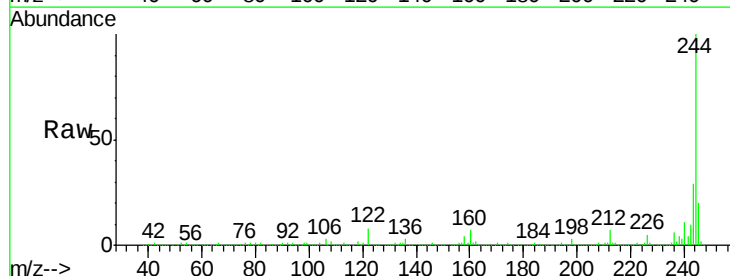
Tgt Ion:244 Resp: 2740232

Ion Ratio Lower Upper

244 100

212 7.4 5.7 8.5

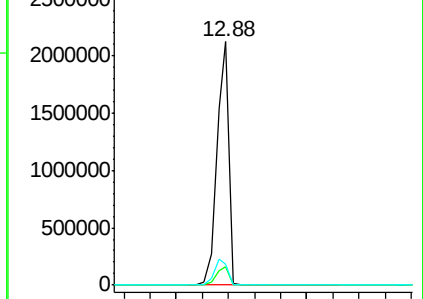
122 8.4 7.4 11.0



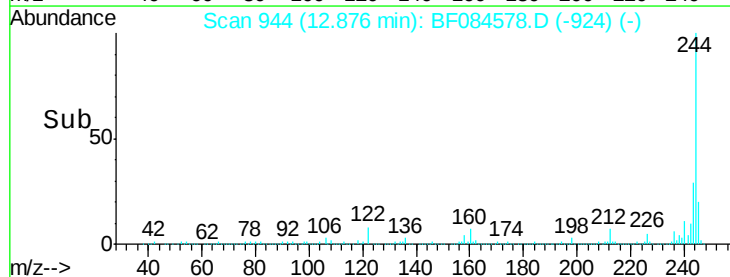
Abundance Ion 244.00 (243.70 to 244.70): E

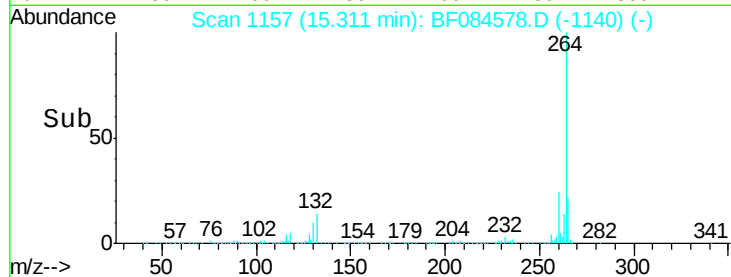
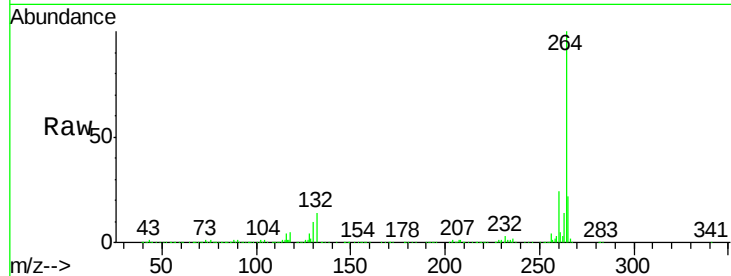
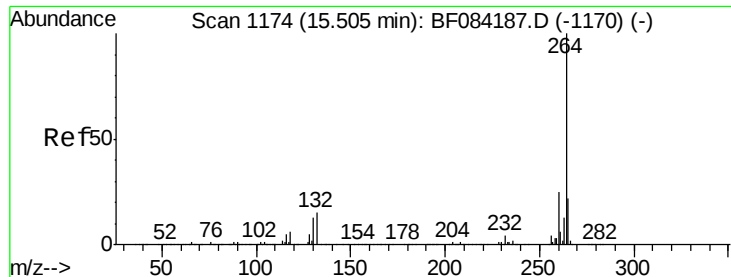
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.31 min Scan# 1157
 Delta R.T. -0.10 min
 Lab File: BF084578.D
 Acq: 21 Jan 2016 12:03

Instrument :
 BNA_F
 ClientSampleId :
 SULFURCAKE

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.4	29.2
265	21.7	17.8	26.6

