

Data Path : S:\HPCHEM1\BNA_F\DATA\BF031016\
 Data File : BF085339.D
 Acq On : 10 Mar 2016 18:04
 Operator : UM/SJ
 Sample : H1719-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IM-TOPSOIL-003

Manual Integrations
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 3/11/2016 4:58:22 PM

Quant Time: Mar 11 00:09:03 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 11 00:01:03 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	134973	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	512418	20.00	ng	-0.01
38) Acenaphthene-d10	9.98	164	194795	20.00	ng	0.00
63) Phenanthrene-d10	11.46	188	314830	20.00	ng	0.00
75) Chrysene-d12	14.11	240	221559	20.00	ng	0.00
86) Perylene-d12	15.57	264	270877	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	957804	119.03	ng	0.01
7) Phenol-d6	6.57	99	1404402	133.22	ng	0.01
23) Nitrobenzene-d5	7.50	82	746763	77.98	ng	-0.01
41) 2,4,6-Tribromophenol	10.77	330	246482	147.88	ng	-0.01
44) 2-Fluorobiphenyl	9.30	172	1032410	80.60	ng	0.00
78) Terphenyl-d14	13.04	244	619133	64.87	ng	-0.01
Target Compounds						
10) Phenol	6.58	94	35318	3.13	ng	Qvalue 84
20) 3+4-Methylphenols	7.34	107	73973	7.90	ng	# 75
32) Benzoic acid	7.94	122	22711m	3.95	ng	
49) Dimethylphthalate	9.69	163	268485	17.96	ng	99
74) Fluoranthene	12.68	202	39551	2.39	ng	98

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

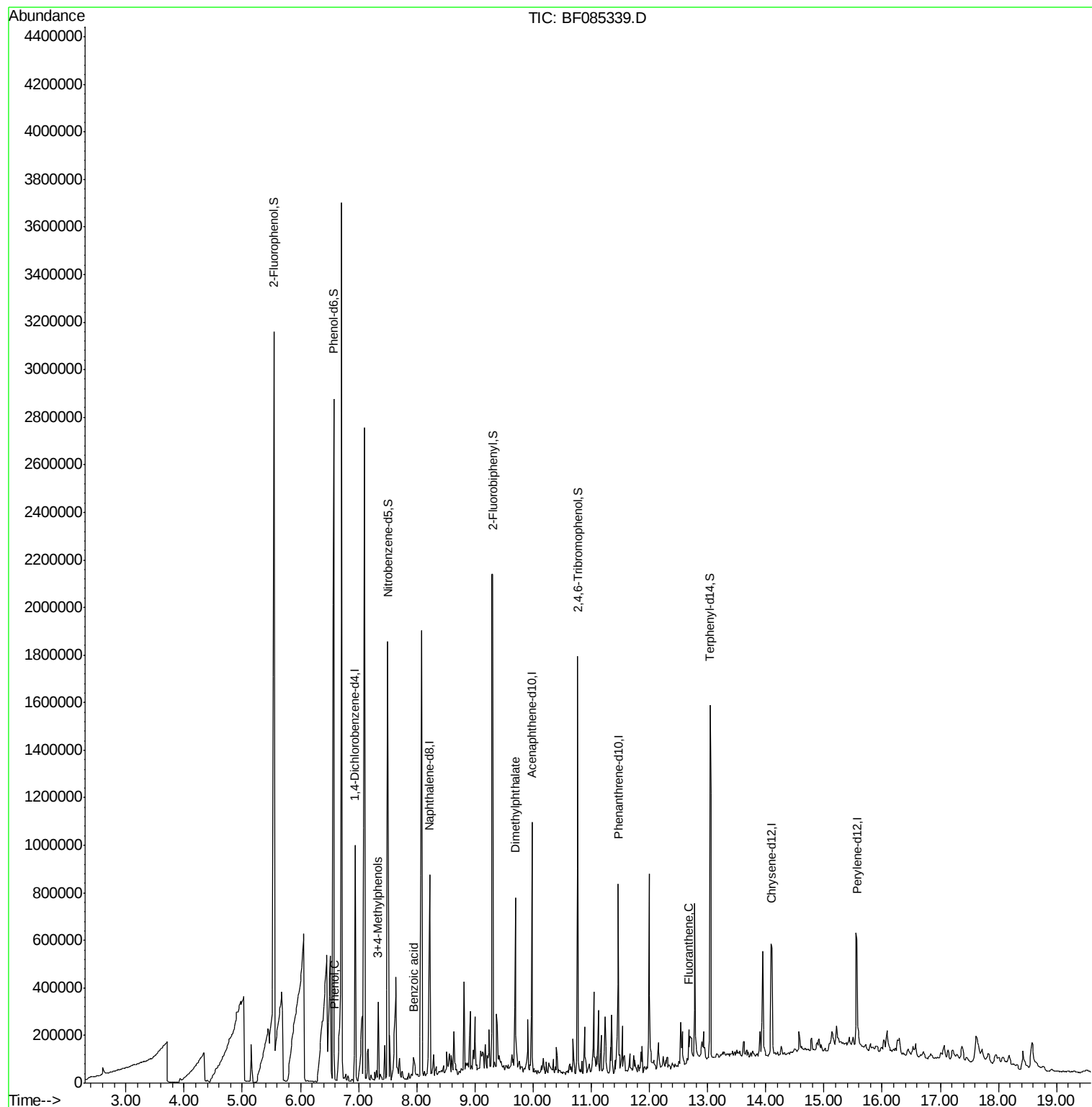
Data Path : S:\HPCHEM1\BNA_F\DATA\BF031016\
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#1

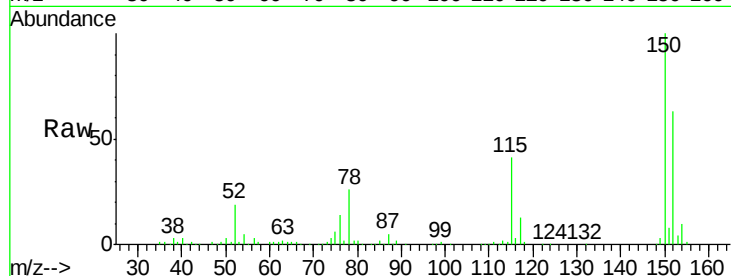
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.94 min Scan# 407
Delta R.T. 0.00 min
Lab File: BF085339.D
Acq: 10 Mar 2016 18:04

Instrument :
BNA_F
ClientSampleId :
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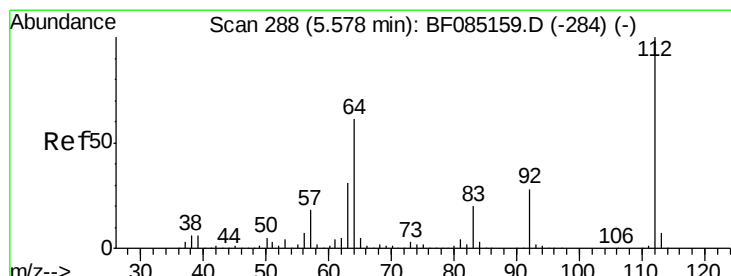
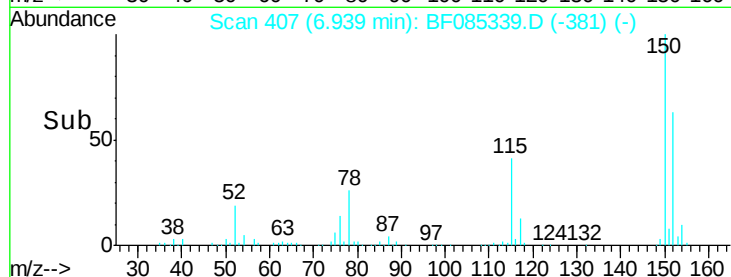
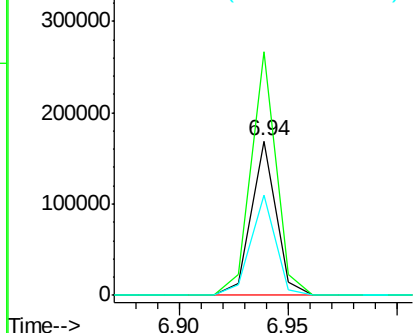
Tgt Ion	Ratio	Resp	Lower	Upper
152	100	134973		
150	157.8	124.6	186.8	
115	65.1	46.6	70.0	

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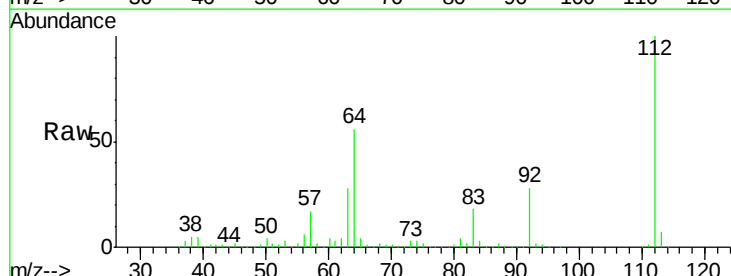
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



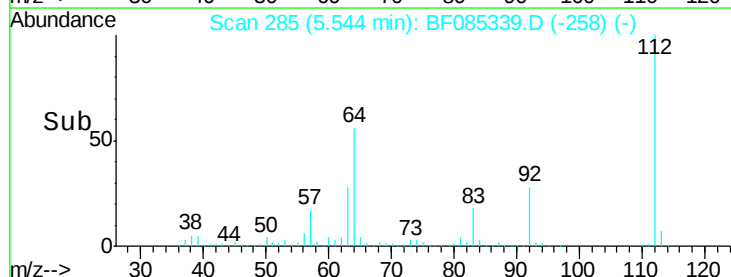
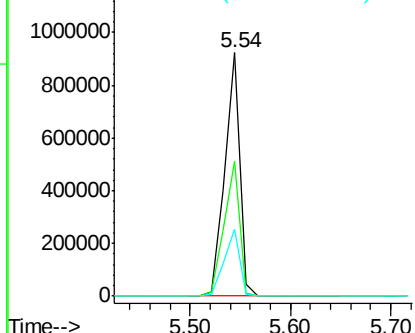
#5

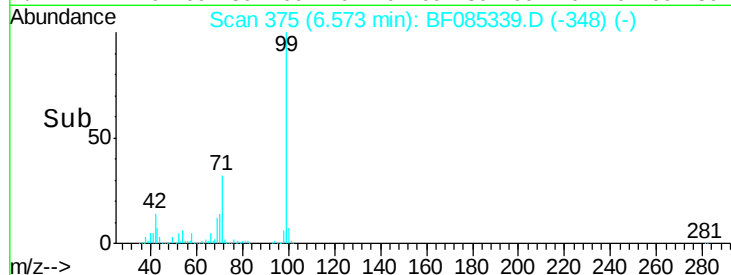
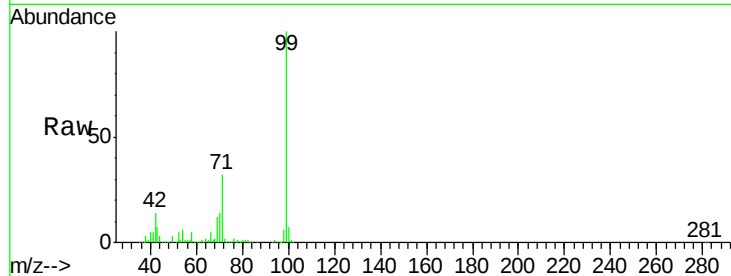
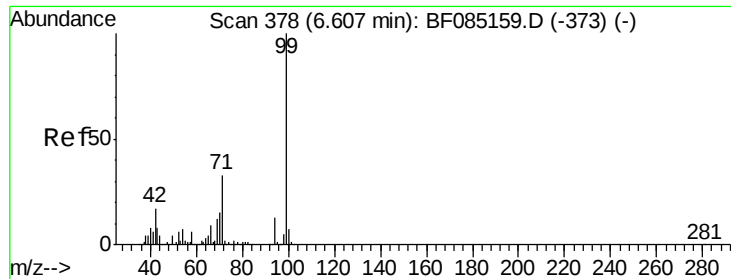
2-Fluorophenol
Concen: 119.03 ng
RT: 5.54 min Scan# 285
Delta R.T. 0.01 min
Lab File: BF085339.D
Acq: 10 Mar 2016 18:04

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	957804		
64	55.5	49.0	73.4	
63	27.6	24.8	37.2	



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: 133.22 ng

RT: 6.57 min Scan# 375

Delta R.T. 0.01 min

Lab File: BF085339.D

Acq: 10 Mar 2016 18:04

Tgt Ion:	99	Resp:	1404402
Ion	Ratio	Lower	Upper
99	100		
42	14.2	13.6	20.4
71	32.0	26.7	40.1

Instrument :

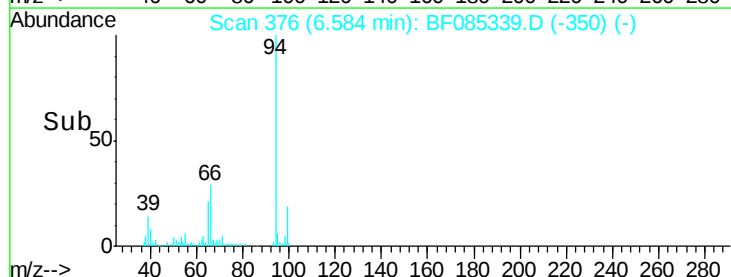
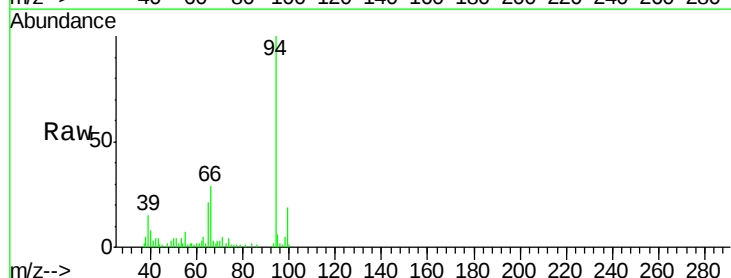
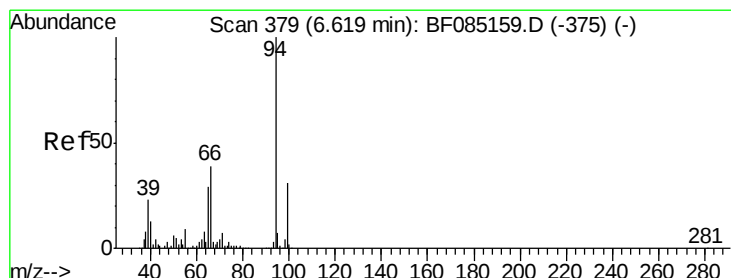
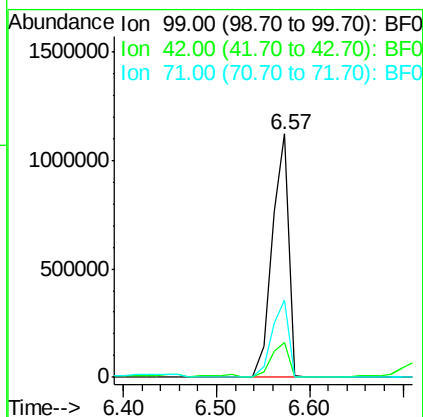
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#10

Phenol

Concen: 3.13 ng

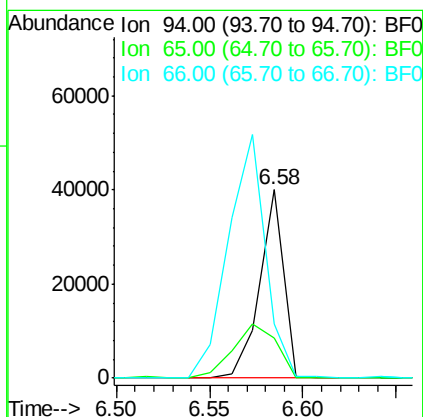
RT: 6.58 min Scan# 376

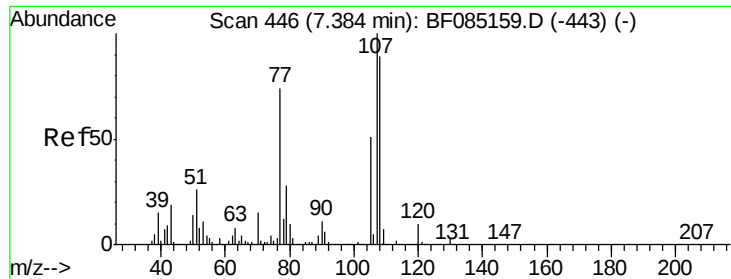
Delta R.T. 0.00 min

Lab File: BF085339.D

Acq: 10 Mar 2016 18:04

Tgt Ion:	94	Resp:	35318
Ion	Ratio	Lower	Upper
94	100		
65	21.4	9.1	49.1
66	28.6	19.3	59.3





#20

3+4-Methylphenols

Concen: 7.90 ng

RT: 7.34 min Scan# 442

Delta R.T. -0.01 min

Lab File: BF085339.D

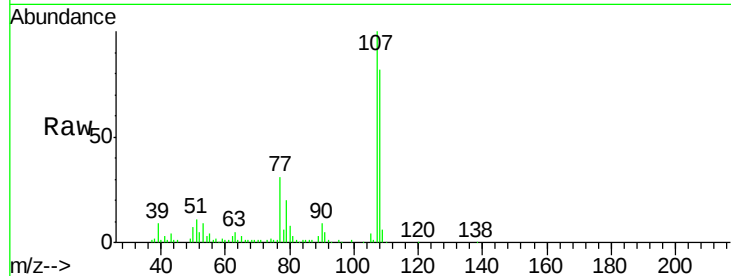
Acq: 10 Mar 2016 18:04

Instrument :

BNA_F

ClientSampleId :

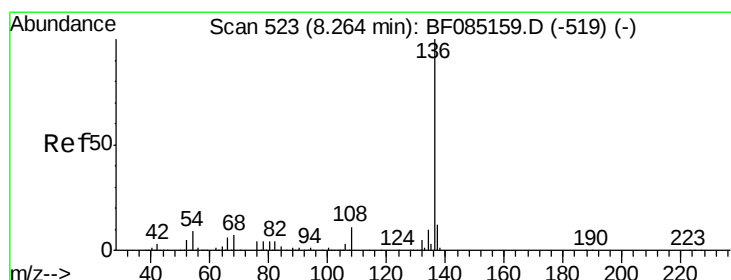
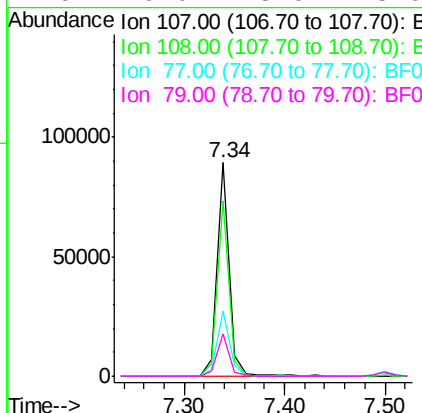
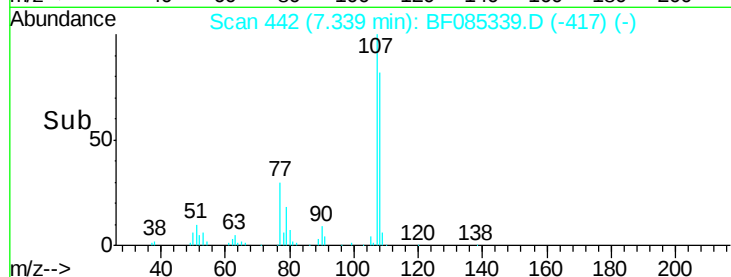
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Tgt Ion:	107	Resp:	73973
Ion Ratio	Lower	Upper	
107	100		
108	81.9	68.8	108.8
77	30.6	53.6	93.6#
79	20.0	8.0	48.0

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#21

Naphthalene-d8

Concen: 20.00 ng

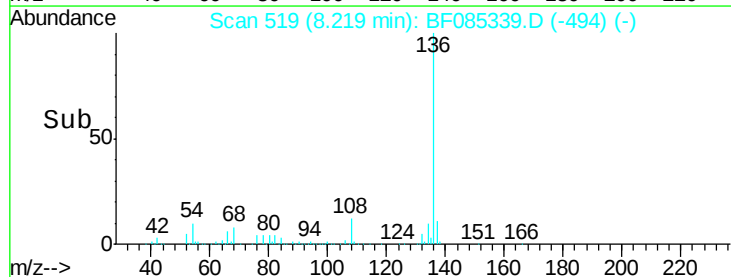
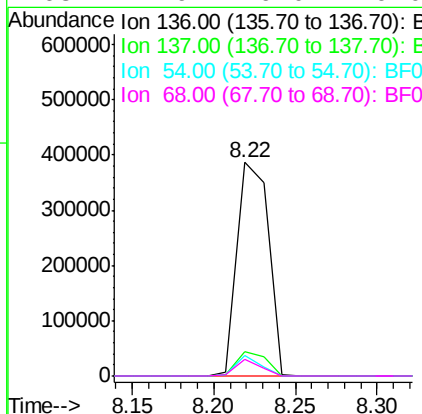
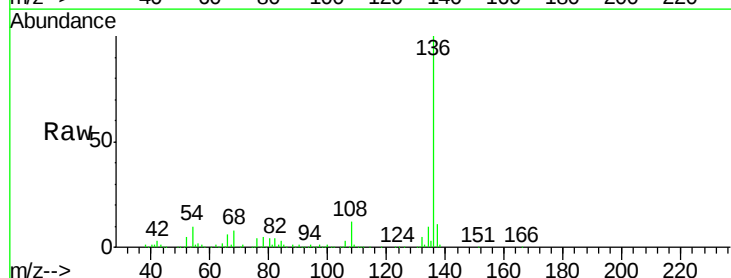
RT: 8.22 min Scan# 519

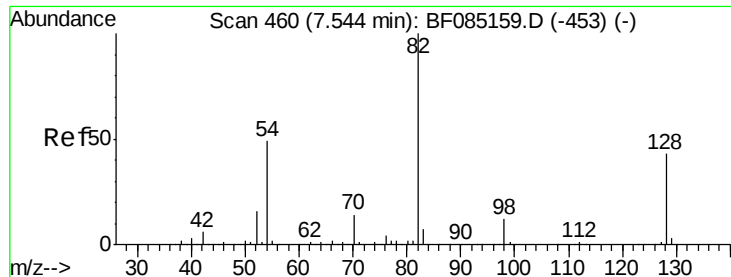
Delta R.T. -0.01 min

Lab File: BF085339.D

Acq: 10 Mar 2016 18:04

Tgt Ion:	136	Resp:	512418
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.3	13.9
54	9.7	7.4	11.2
68	7.9	6.0	9.0





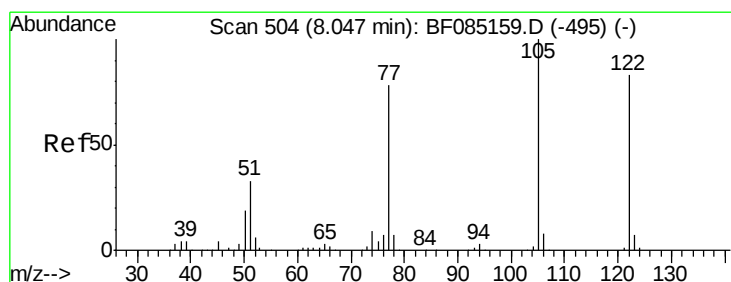
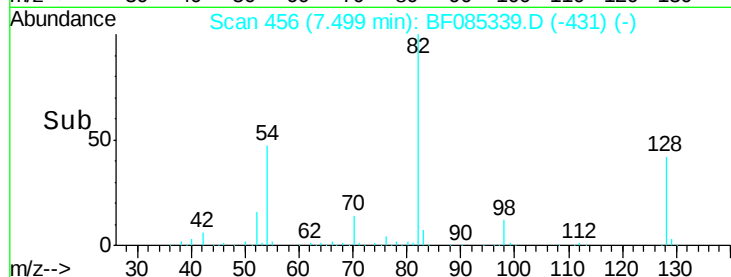
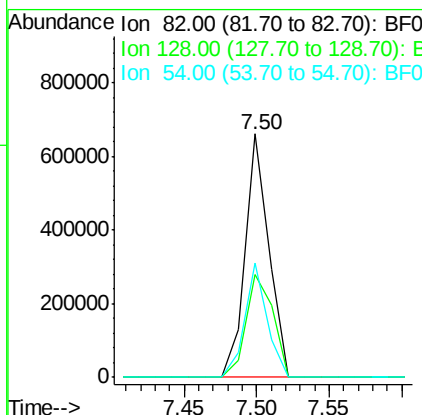
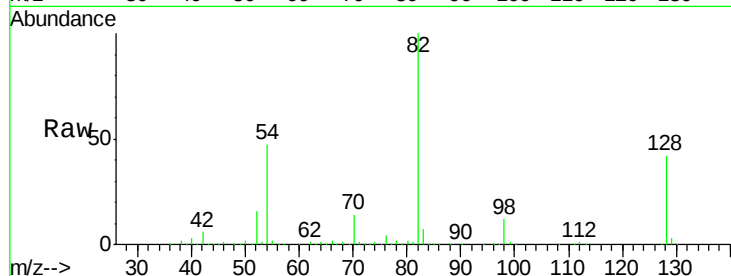
#23
 Nitrobenzene-d5
 Concen: 77.98 ng
 RT: 7.50 min Scan# 456
 Delta R.T. -0.01 min
 Lab File: BF085339.D
 Acq: 10 Mar 2016 18:04

Instrument :
 BNA_F
 ClientSampleId :
 IM-TOPSOIL-003

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	746763		
128	42.4	34.5	51.7	
54	47.2	39.3	58.9	

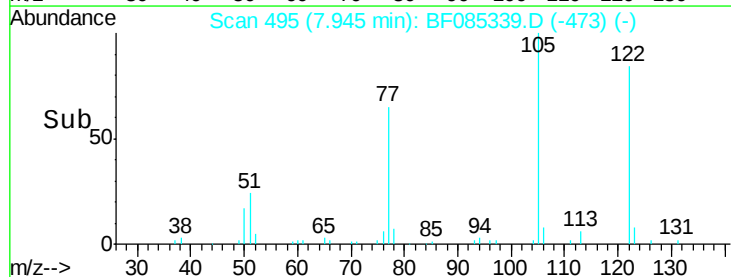
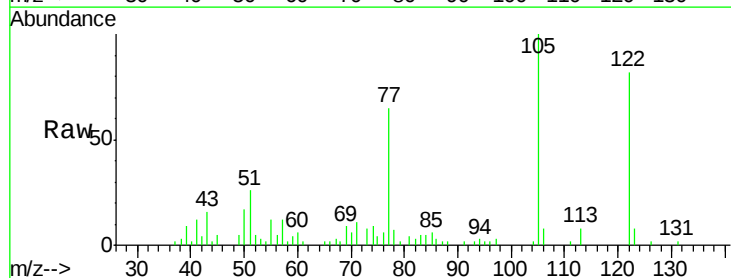
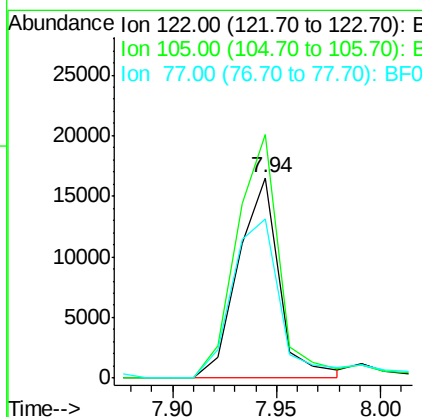
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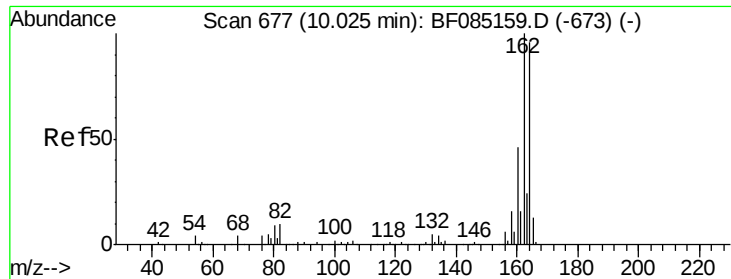
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#32
 Benzoic acid
 Concen: 3.95 ng m
 RT: 7.94 min Scan# 495
 Delta R.T. -0.05 min
 Lab File: BF085339.D
 Acq: 10 Mar 2016 18:04

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	22711		
105	121.4	101.3	141.3	
77	79.5	74.7	114.7	





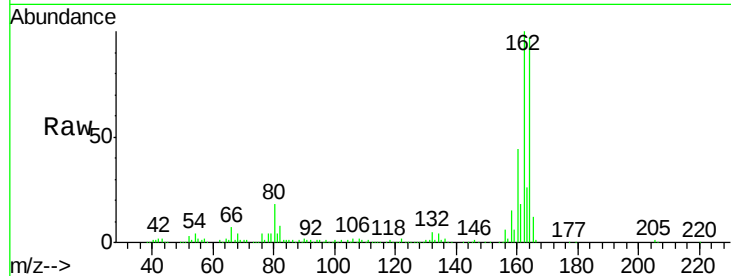
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.98 min Scan# 673
Delta R.T. 0.00 min
Lab File: BF085339.D
Acq: 10 Mar 2016 18:04

Instrument :
BNA_F
ClientSampleId :
IM-TOPSOIL-003

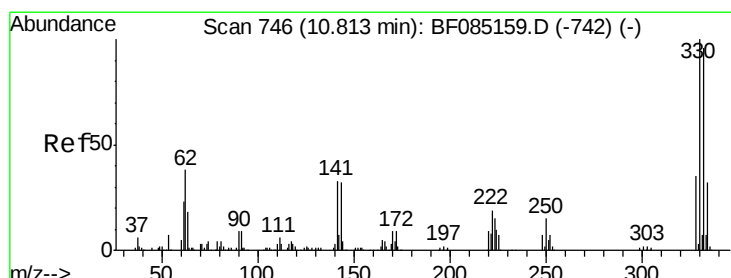
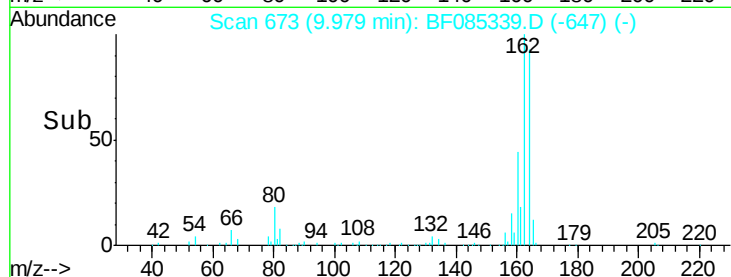
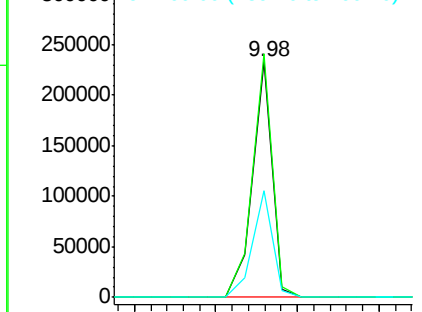
Tgt Ion	Ratio	Resp	Lower	Upper
164	100	194795		
162	103.4	83.3	124.9	
160	45.4	37.9	56.9	

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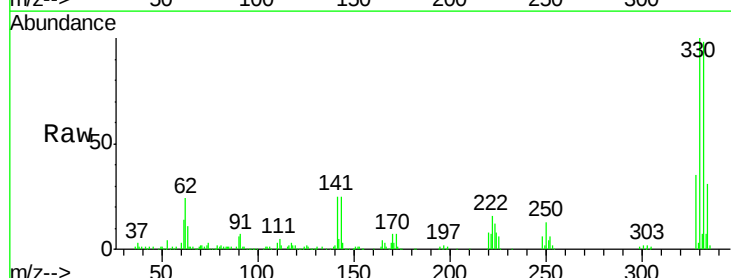


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

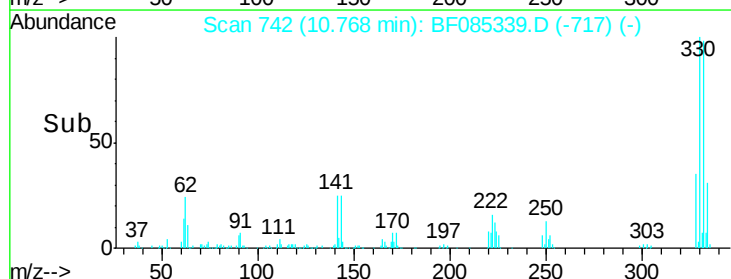
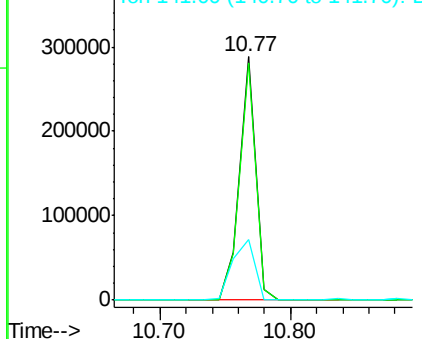


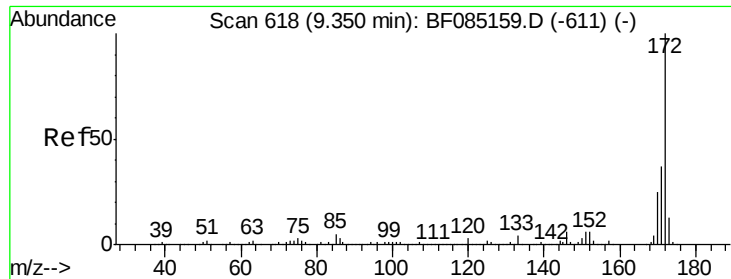
#41
2,4,6-Tribromophenol
Concen: 147.88 ng
RT: 10.77 min Scan# 742
Delta R.T. -0.01 min
Lab File: BF085339.D
Acq: 10 Mar 2016 18:04

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	246482		
332	98.0	77.1	115.7	
141	34.5	35.0	52.6	



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





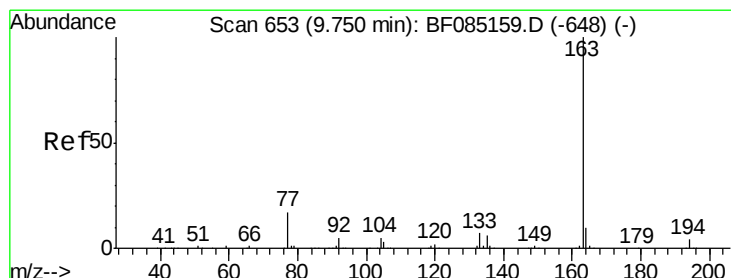
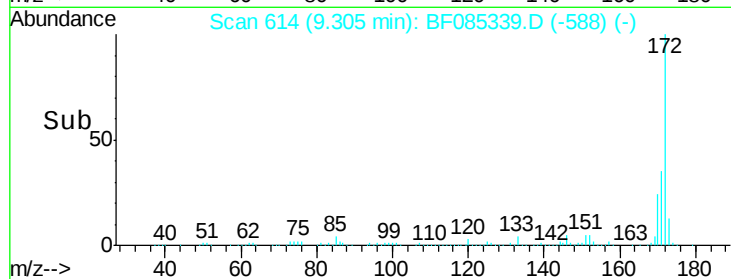
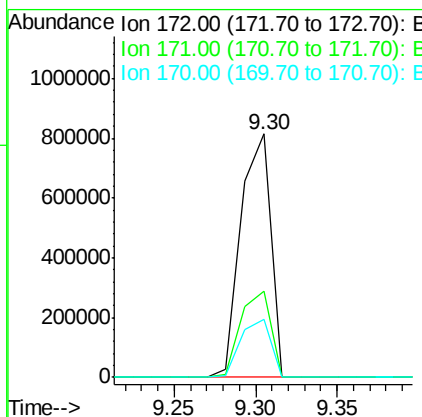
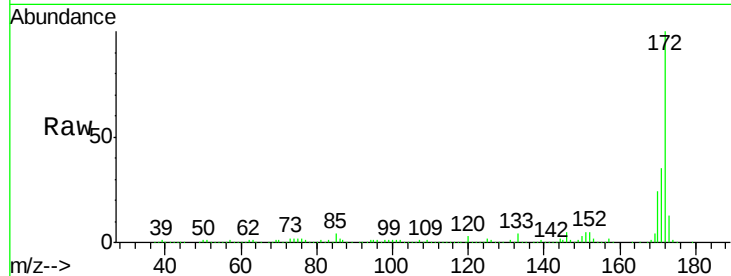
#44
2-Fluorobiphenyl
Concen: 80.60 ng
RT: 9.30 min Scan# 614
Delta R.T. 0.00 min
Lab File: BF085339.D
Acq: 10 Mar 2016 18:04

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:172 Resp: 1032410
Ion Ratio Lower Upper
172 100
171 35.4 29.3 43.9
170 24.0 20.0 30.0

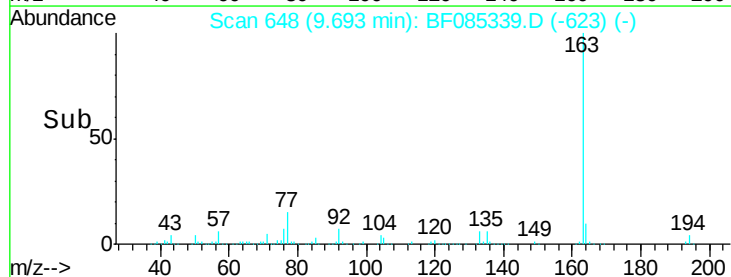
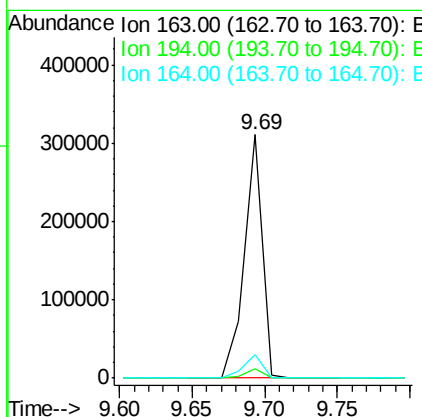
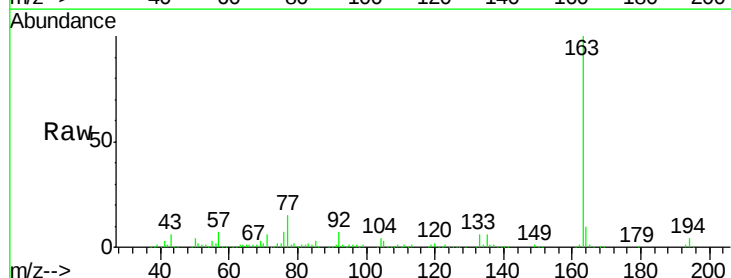
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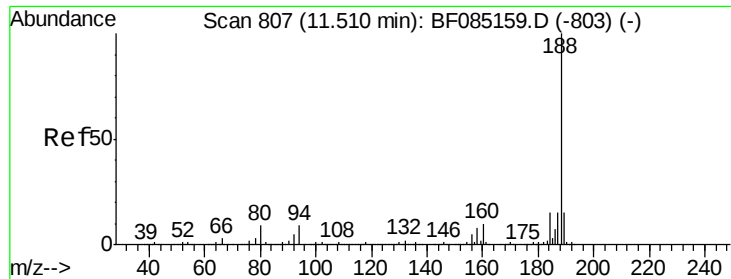
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#49
Dimethylphthalate
Concen: 17.96 ng
RT: 9.69 min Scan# 648
Delta R.T. -0.01 min
Lab File: BF085339.D
Acq: 10 Mar 2016 18:04

Tgt Ion:163 Resp: 268485
Ion Ratio Lower Upper
163 100
194 4.0 3.1 4.7
164 9.8 8.2 12.4





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.46 min Scan# 803

Delta R.T. 0.00 min

Lab File: BF085339.D

Acq: 10 Mar 2016 18:04

Instrument :

BNA_F

ClientSampleId :

IM-TOPSOIL-003

Tgt Ion:188 Resp: 314830
Ion Ratio Lower Upper

188 100

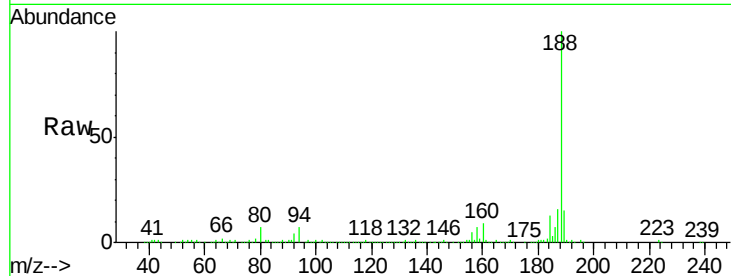
94 7.0 7.0 10.6#

80 6.9 7.4 11.0#

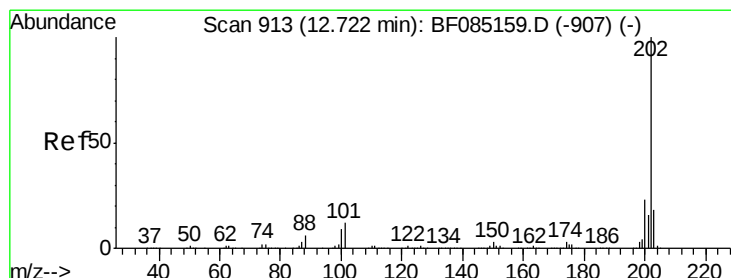
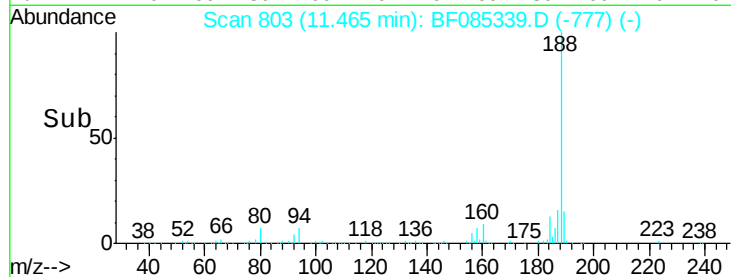
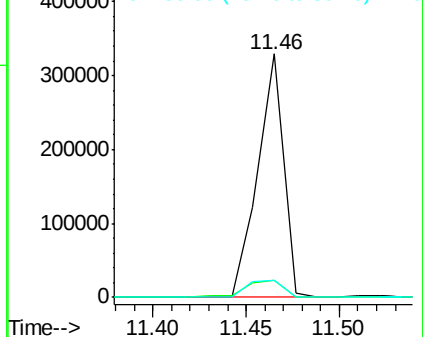
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Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0



#74

Fluoranthene

Concen: 2.39 ng

RT: 12.68 min Scan# 909

Delta R.T. 0.00 min

Lab File: BF085339.D

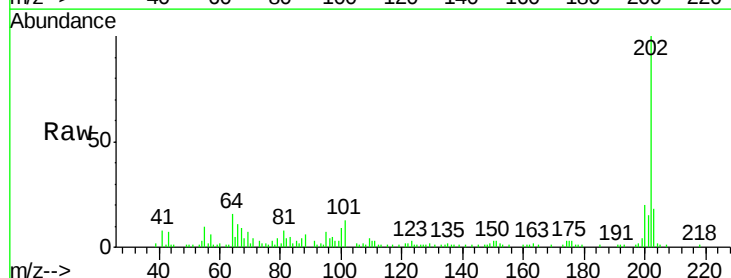
Acq: 10 Mar 2016 18:04

Tgt Ion:202 Resp: 39551
Ion Ratio Lower Upper

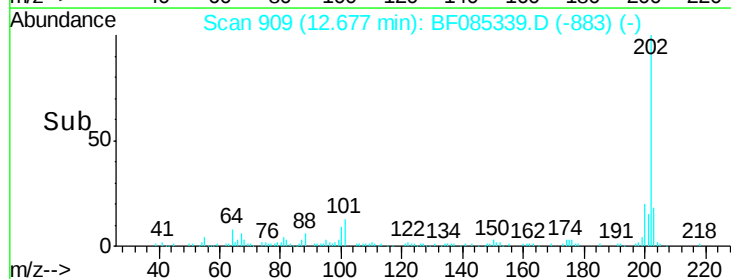
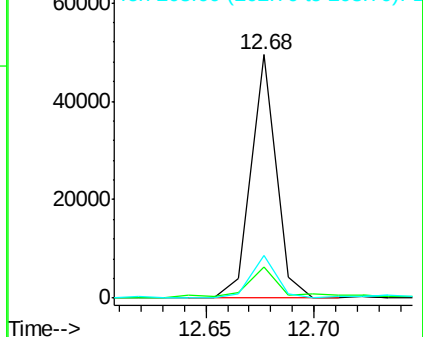
202 100

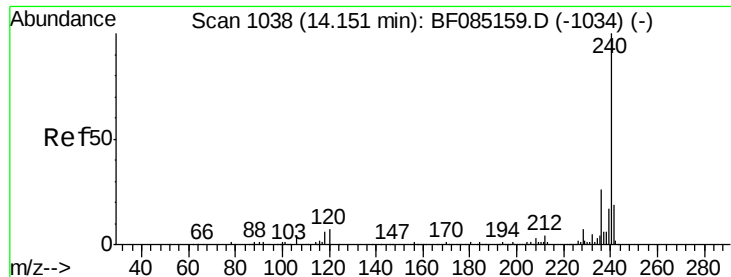
101 12.6 0.0 31.8

203 17.6 0.0 38.4



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.11 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BF085339.D

Acq: 10 Mar 2016 18:04

Instrument :

BNA_F

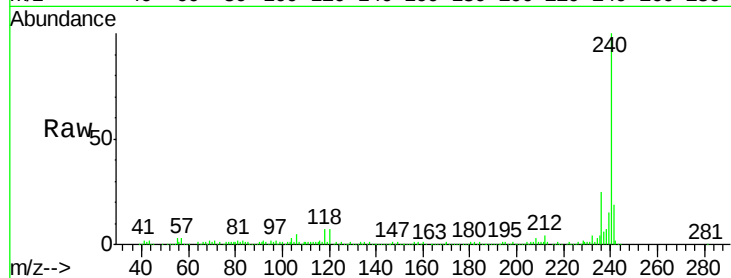
ClientSampleId :

IM-TOPSOIL-003

Tgt Ion:	240	Resp:	221559
Ion Ratio	Lower	Upper	
240	100		
120	7.2	5.3	7.9
236	25.1	20.7	31.1

Manual Integrations
APPROVED

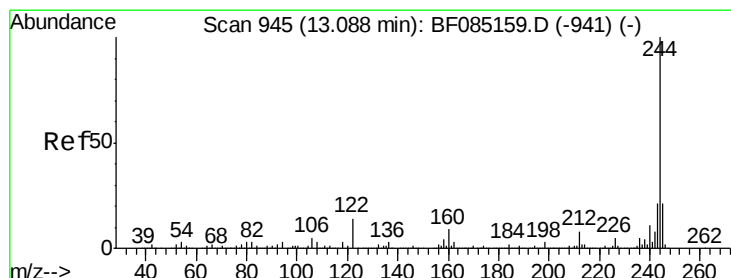
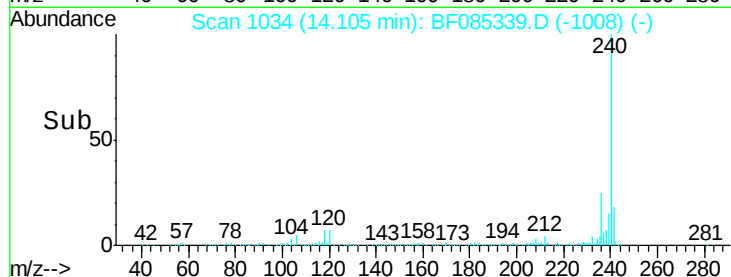
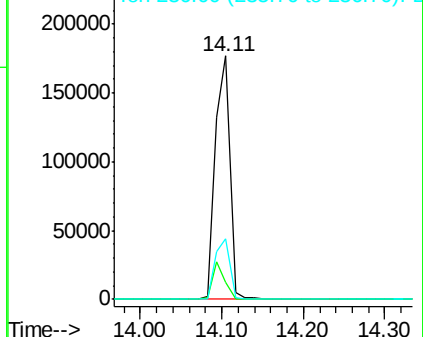
Sohil
3/11/2016 4:58:22 PM



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: 64.87 ng

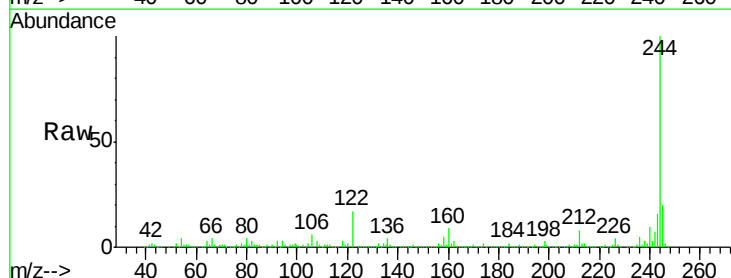
RT: 13.04 min Scan# 941

Delta R.T. -0.01 min

Lab File: BF085339.D

Acq: 10 Mar 2016 18:04

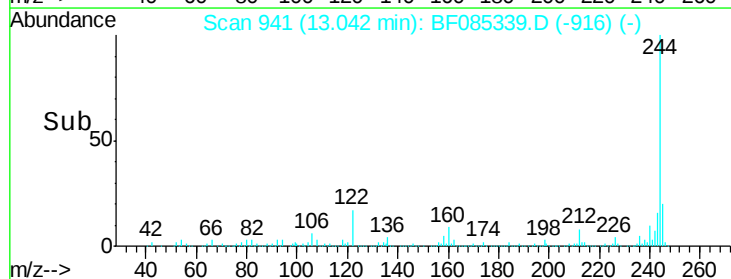
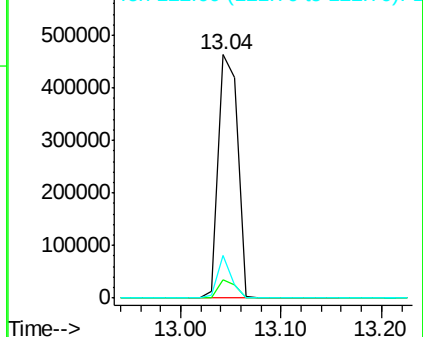
Tgt Ion:	244	Resp:	619133
Ion Ratio	Lower	Upper	
244	100		
212	7.8	6.4	9.6
122	17.4	11.4	17.2#

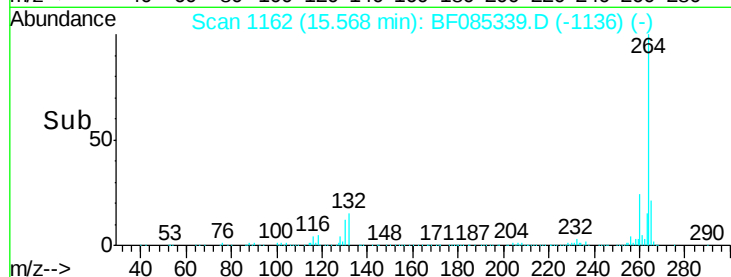
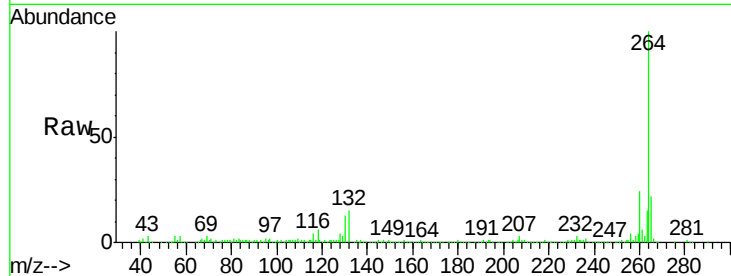
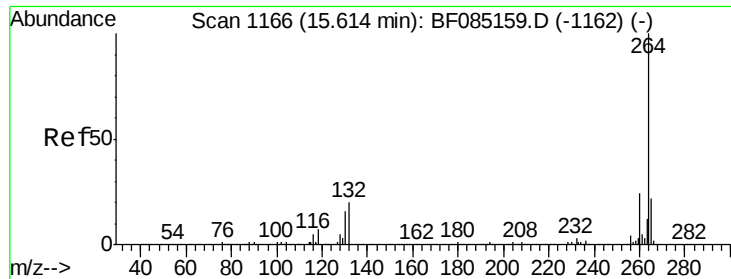


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.57 min Scan# 1162
Delta R.T. 0.00 min
Lab File: BF085339.D
Acq: 10 Mar 2016 18:04

Tgt Ion:	264	Resp:	270877
Ion Ratio	Lower	Upper	
264	100		
260	24.4	19.2	28.8
265	21.6	17.3	25.9

Instrument :
BNA_F
ClientSampleId :
IM-TOPSOIL-003

Manual Integrations
APPROVED

Sohil
3/11/2016 4:58:22 PM

