

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030217\
 Data File : BF093357.D
 Acq On : 3 Mar 2017 12:28
 Operator : SJ/MA
 Sample : I2057-04
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 23B-22

Manual Integrations
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mohammad
 3/3/2017 5:17:21 PM

Quant Time: Mar 03 16:34:07 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	6.80	152	138171	20.00	ng	-0.06
21) Naphthalene-d8	8.10	136	442475	20.00	ng	-0.05
38) Acenaphthene-d10	9.88	164	146326	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	206927	20.00	ng	-0.01
75) Chrysene-d12	14.02	240	169025	20.00	ng	0.00
86) Perylene-d12	15.47	264	158705	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	943338	117.13	ng	-0.06
7) Phenol-d6	6.45	99	1149401	110.92	ng	-0.03
23) Nitrobenzene-d5	7.38	82	699098	87.98	ng	-0.05
41) 2,4,6-Tribromophenol	10.67	330	119822	113.22	ng	-0.01
44) 2-Fluorobiphenyl	9.18	172	822340	101.81	ng	-0.03
78) Terphenyl-d14	12.96	244	408348	56.77	ng	-0.01
Target Compounds						
10) Phenol	6.46	94	64341	5.31	ng	Qvalue 92
37) 2-Methylnaphthalene	8.83	142	84987	5.90	ng	# 82
49) Dimethylphthalate	9.58	163	81268	8.25	ng	# 21
51) Acenaphthene	9.90	154	45897	5.36	ng	# 44
57) Fluorene	10.43	166	217027	24.64	ng	# 73
70) Phenanthrene	11.39	178	419057	35.35	ng	# 90
74) Fluoranthene	12.59	202	42031m	3.44	ng	
77) Pyrene	12.82	202	96637	7.64	ng	# 81

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

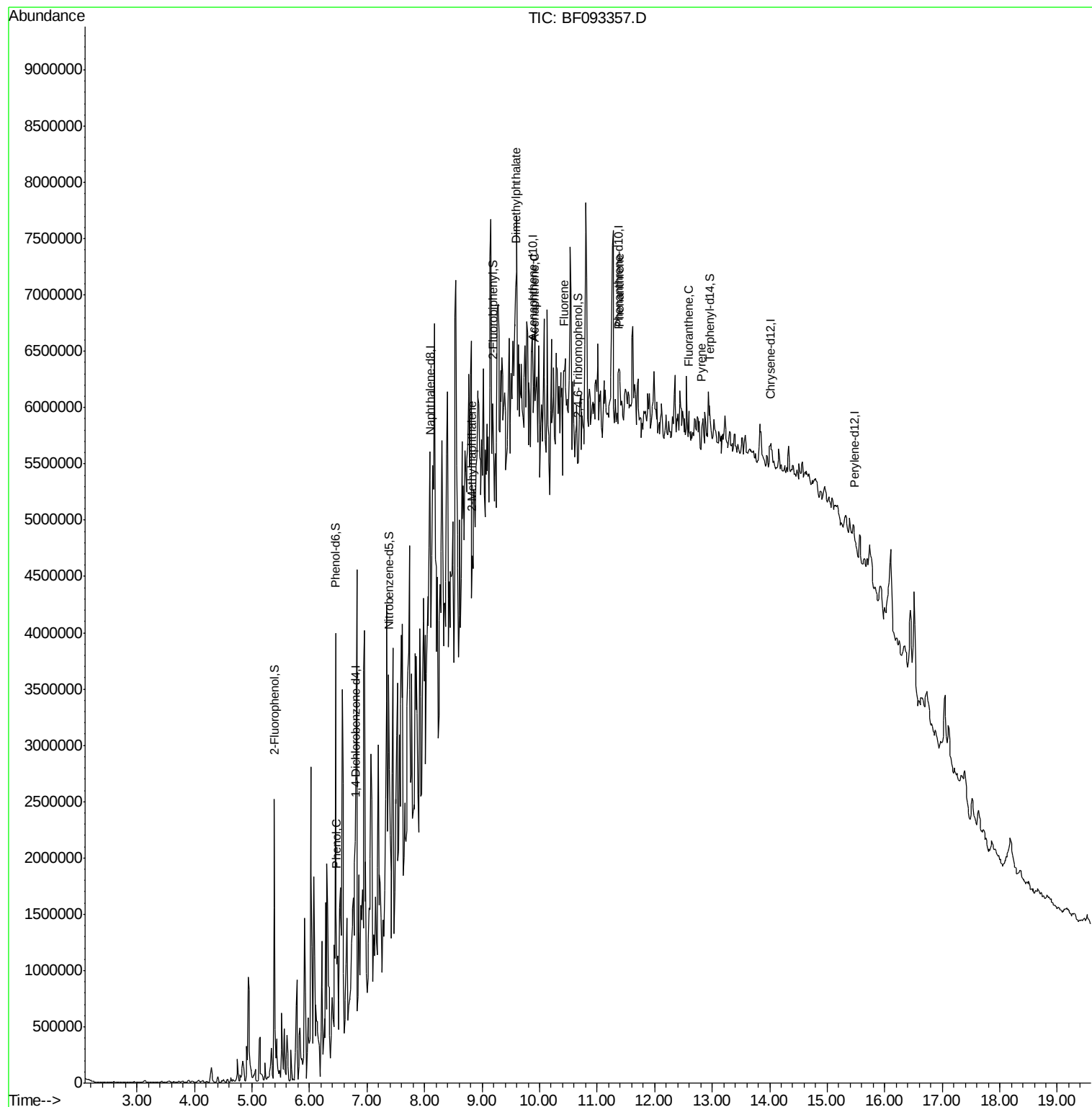
Data Path : Z:\HPCHEM1\BNA F\DATA\BF030217\
Data File : BF093357.D
Acq On : 3 Mar 2017 12:28
Operator : SJ/MA
Sample : I2057-04
Misc :
ALS Vial : 39 Sample Multiplier: 1

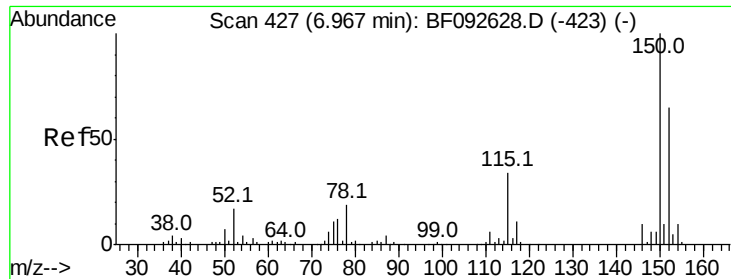
Instrument :
BNA_F
ClientSampleId :
23B-22

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Quant Time: Mar 03 16:34:07 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
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#1

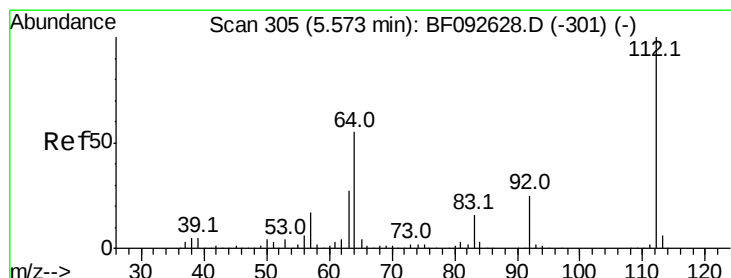
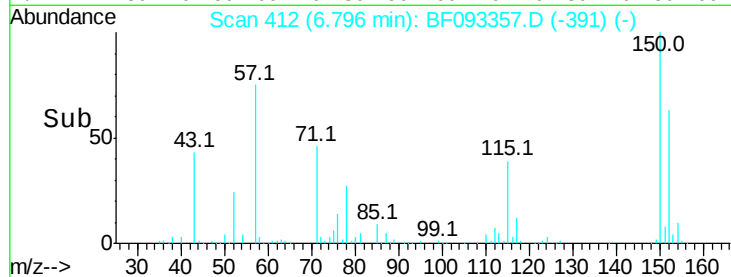
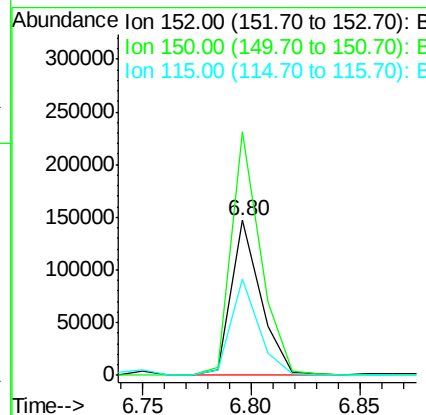
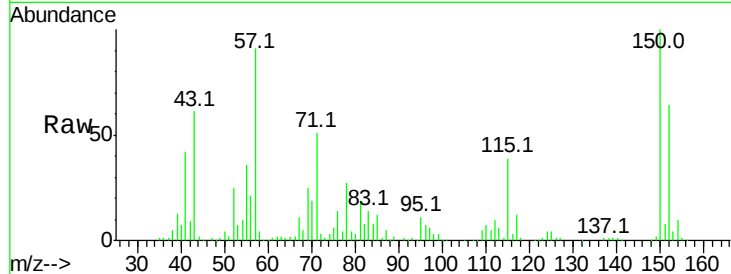
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 412
Delta R.T. -0.06 min
Lab File: BF093357.D
Acq: 3 Mar 2017 12:28

Instrument :
BNA_F
ClientSampleId :
23B-22

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	124.9	187.3
115	62.0	46.0	69.0

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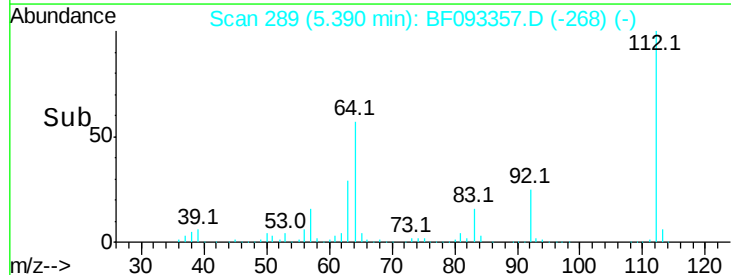
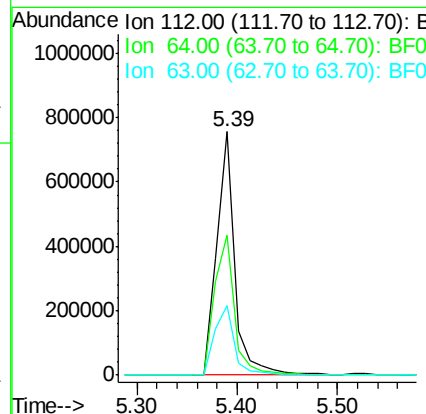
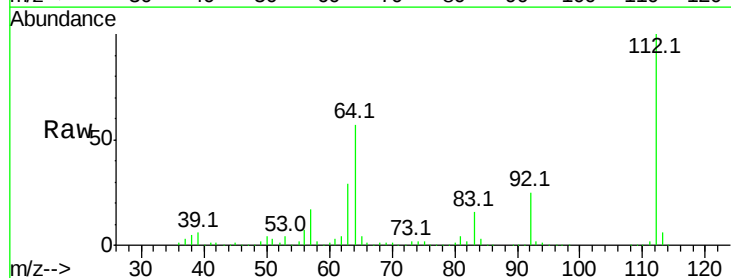
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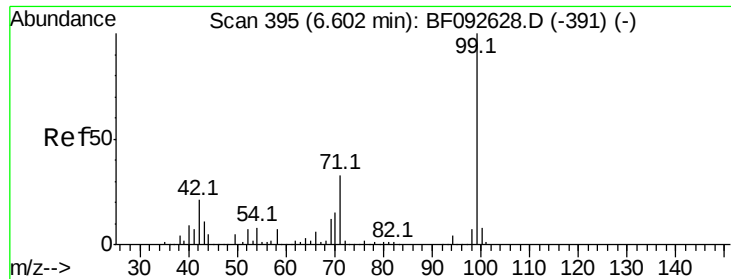


#5

2-Fluorophenol
Concen: 117.13 ng
RT: 5.39 min Scan# 289
Delta R.T. -0.06 min
Lab File: BF093357.D
Acq: 3 Mar 2017 12:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.3	46.1	69.1
63	28.5	23.8	35.6





#7

Phenol-d6

Concen: 110.92 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.03 min

Lab File: BF093357.D

Acq: 3 Mar 2017 12:28

Instrument :

BNA_F

ClientSampleId :

23B-22

Tot Ion: 99 Resp: 1149401

Ion Ratio Lower Upper

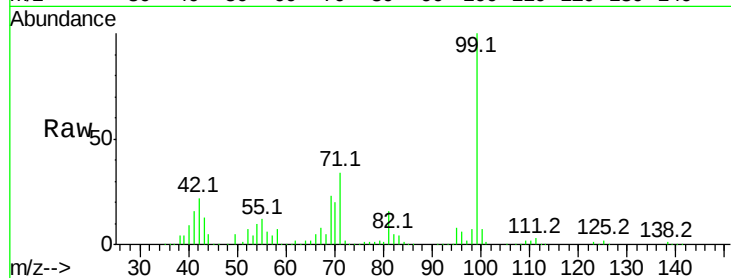
99 100

42 21.8 15.6 23.4

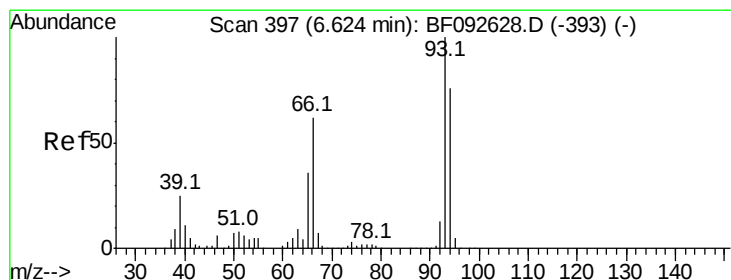
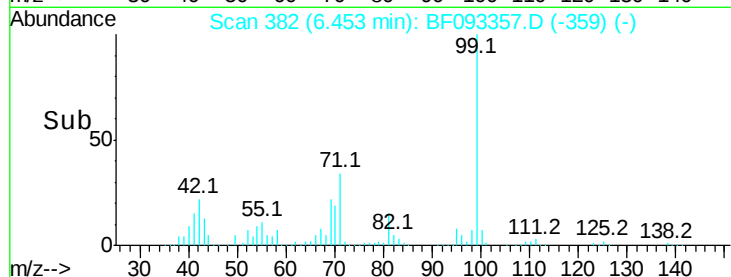
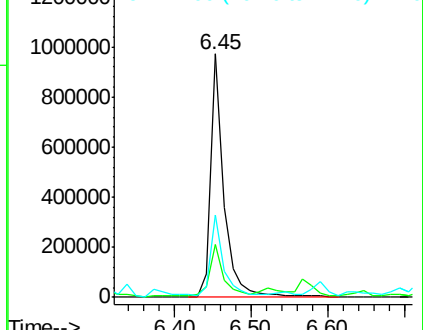
71 33.9 27.5 41.3

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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



#10

Phenol

Concen: 5.31 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.05 min

Lab File: BF093357.D

Acq: 3 Mar 2017 12:28

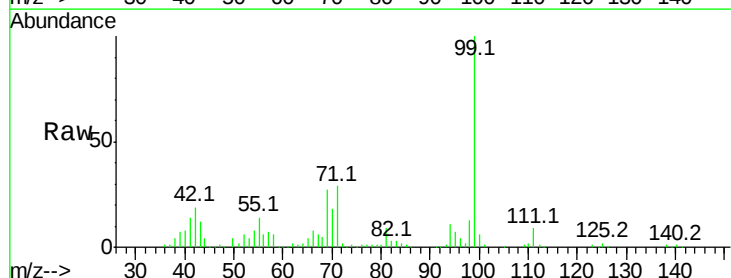
Tgt Ion: 94 Resp: 64341

Ion Ratio Lower Upper

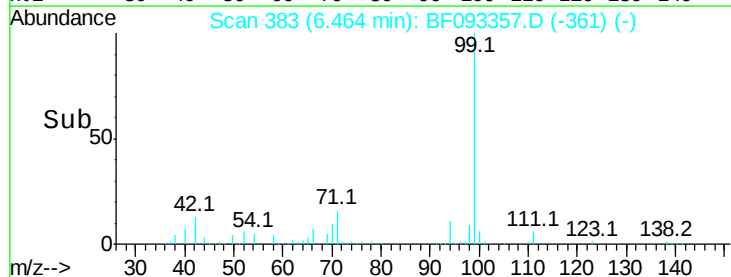
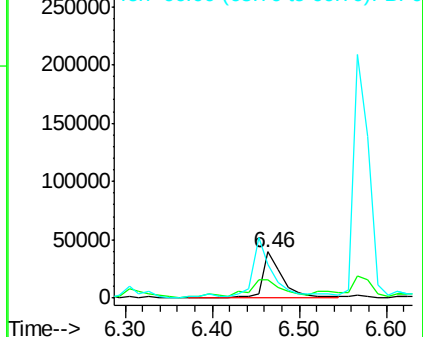
94 100

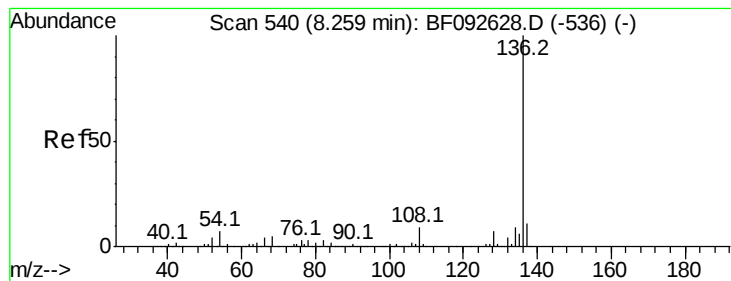
65 39.5 21.4 61.4

66 73.3 44.0 84.0



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 526

Delta R.T. -0.05 min

Lab File: BF093357.D

Acq: 3 Mar 2017 12:28

Instrument :

BNA_F

ClientSampleId :

23B-22

Tot Ion:136 Resp: 442475
Ion Ratio Lower Upper

136 100

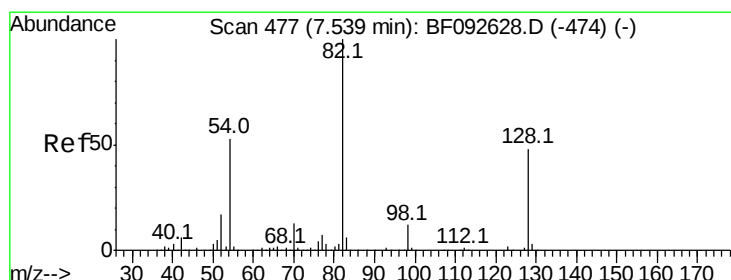
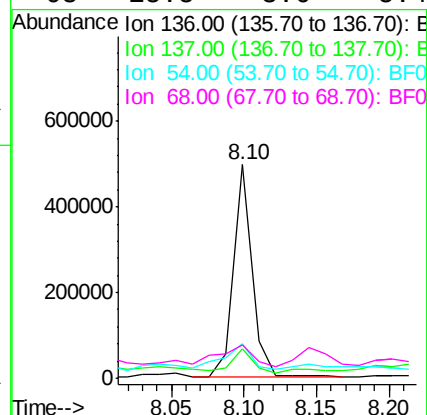
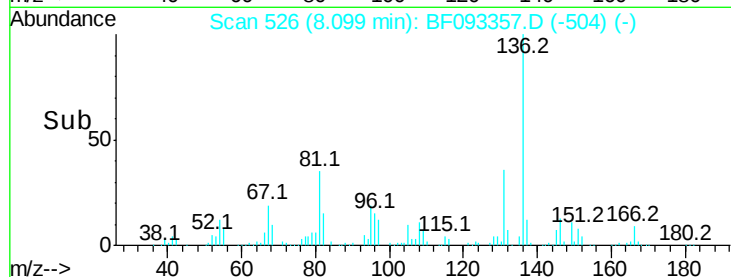
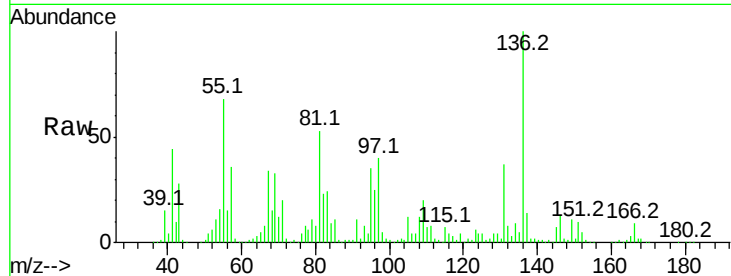
137 14.1 8.4 12.6#

54 16.2 4.5 6.7#

68 15.5 3.6 5.4#

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#23

Nitrobenzene-d5

Concen: 87.98 ng

RT: 7.38 min Scan# 463

Delta R.T. -0.05 min

Lab File: BF093357.D

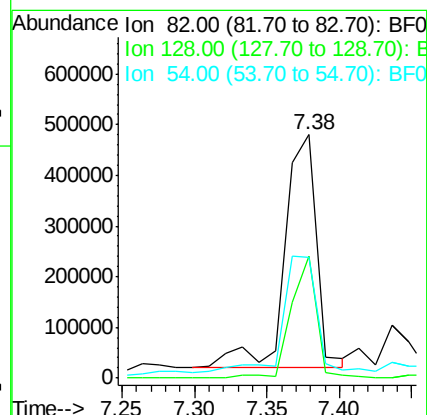
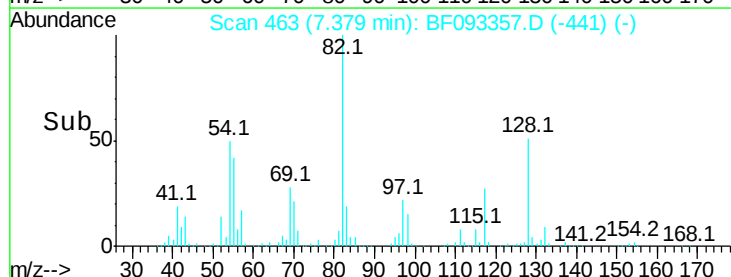
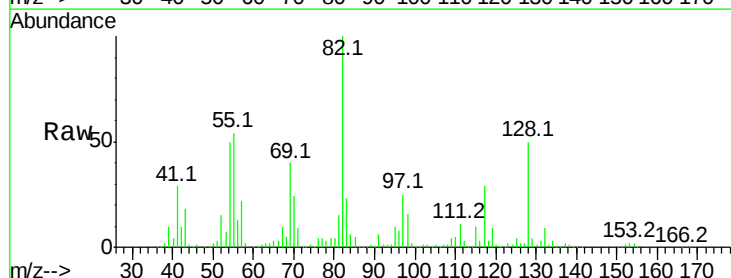
Acq: 3 Mar 2017 12:28

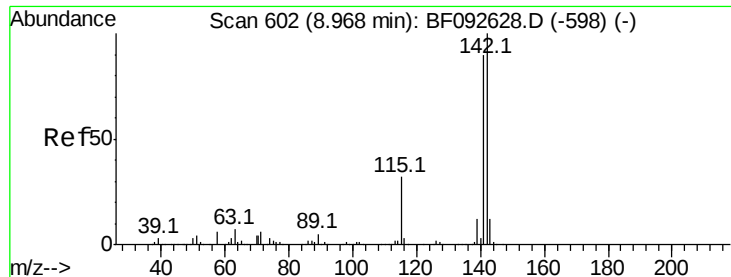
Tgt Ion: 82 Resp: 699098
Ion Ratio Lower Upper

82 100

128 50.0 34.6 52.0

54 49.7 39.5 59.3





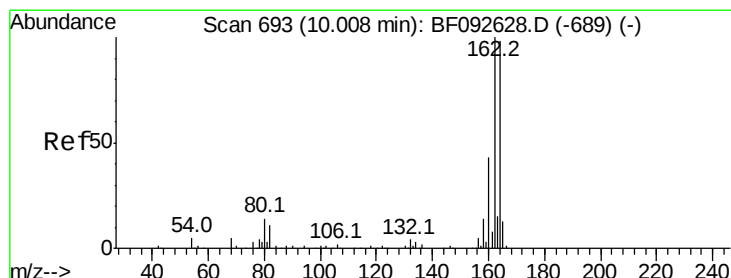
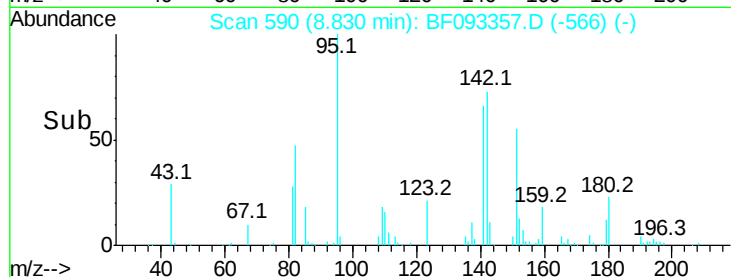
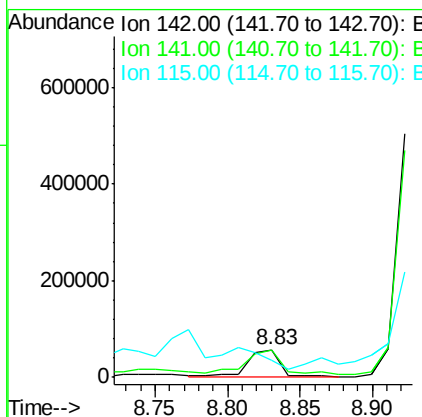
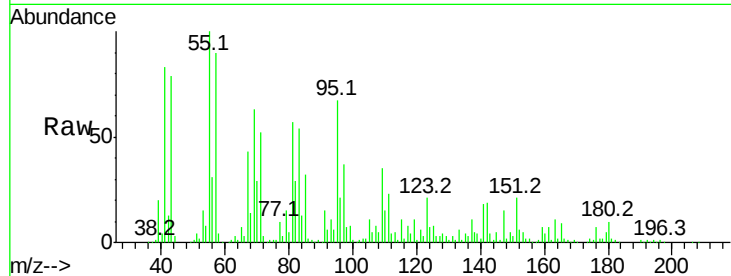
#37
2-Methylnaphthalene
Concen: 5.90 ng
RT: 8.83 min Scan# 590
Delta R.T. -0.02 min
Lab File: BF093357.D
Acq: 3 Mar 2017 12:28

Instrument :
BNA_F
ClientSampleId :
23B-22

Tot Ion	Ratio	Lower	Upper
142	100		
141	97.3	71.0	106.6
115	59.6	28.3	42.5

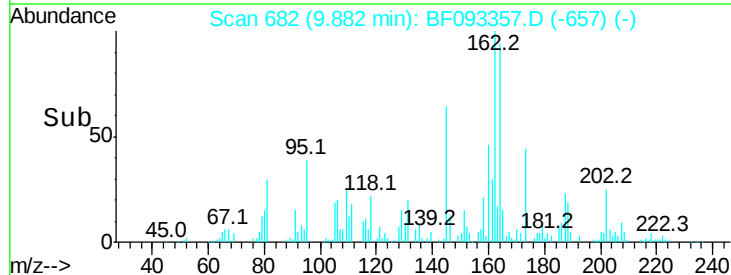
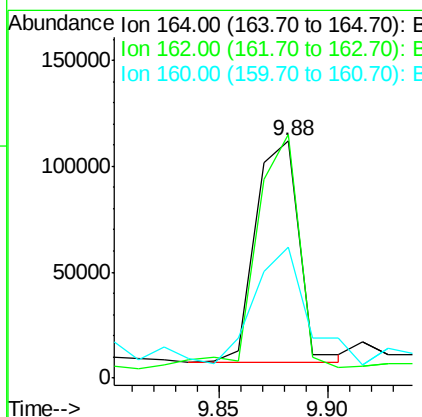
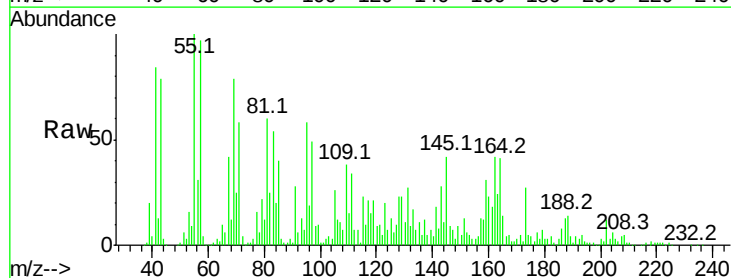
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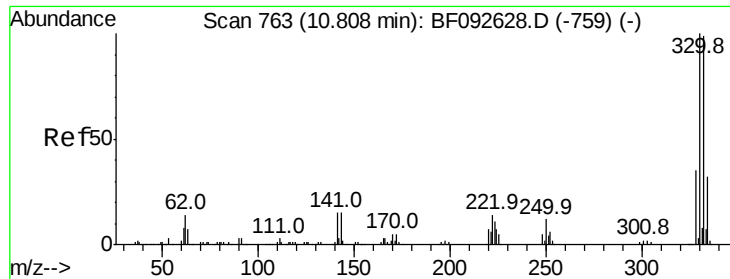
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.01 min
Lab File: BF093357.D
Acq: 3 Mar 2017 12:28

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	80.2	120.2
160	55.3	36.9	55.3





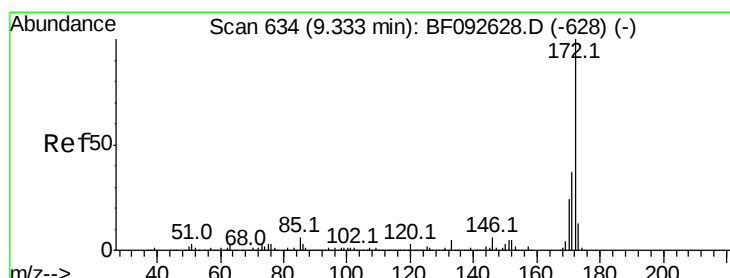
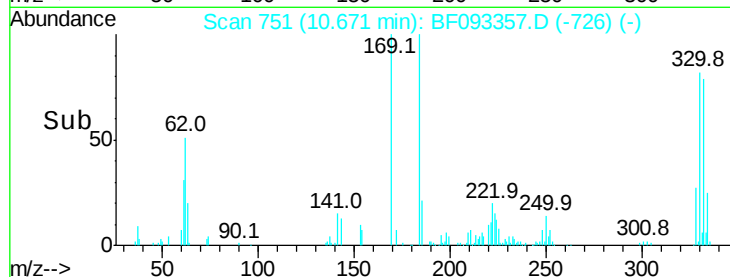
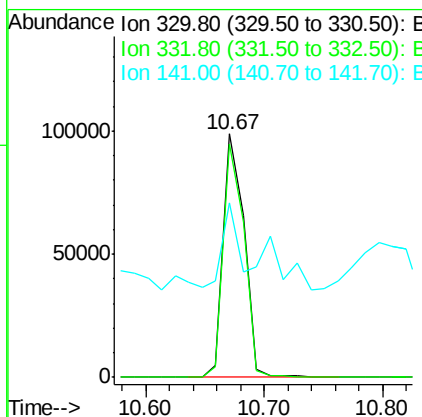
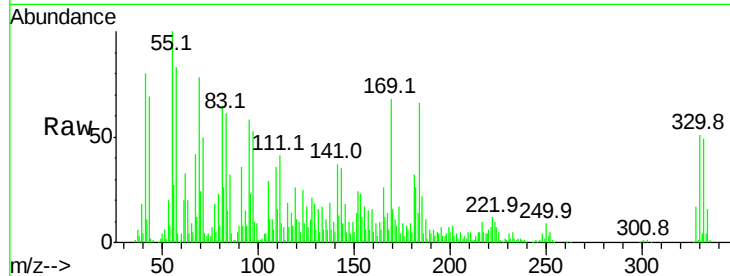
#41
 2,4,6-Tribromophenol
 Concen: 113.22 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: BF093357.D
 Acq: 3 Mar 2017 12:28

Instrument :
 BNA_F
 ClientSampled :
 23B-22

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.6	77.4	116.2	
141	29.0	34.1	51.1#	

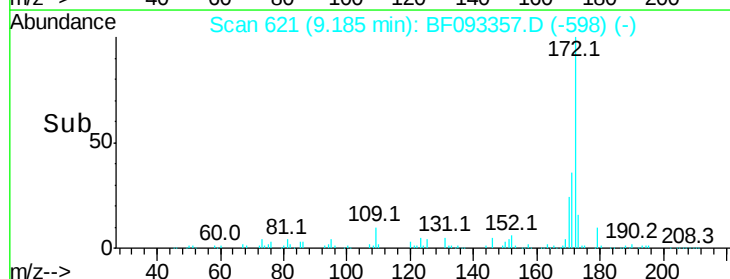
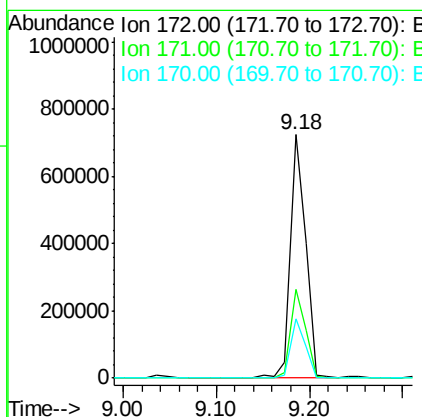
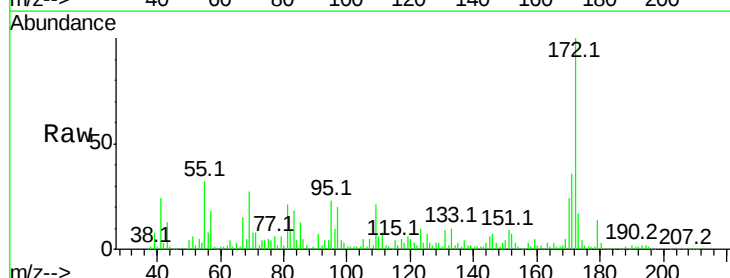
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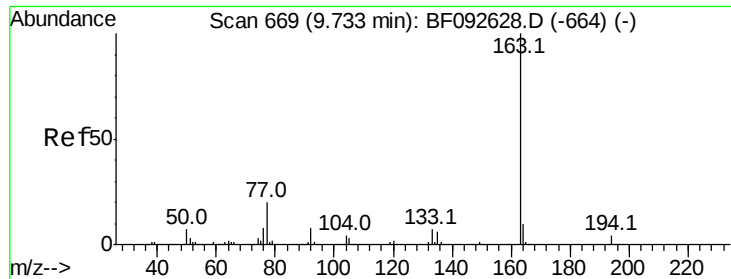
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#44
 2-Fluorobiphenyl
 Concen: 101.81 ng
 RT: 9.18 min Scan# 621
 Delta R.T. -0.03 min
 Lab File: BF093357.D
 Acq: 3 Mar 2017 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.3	29.4	44.0	
170	24.2	20.2	30.4	





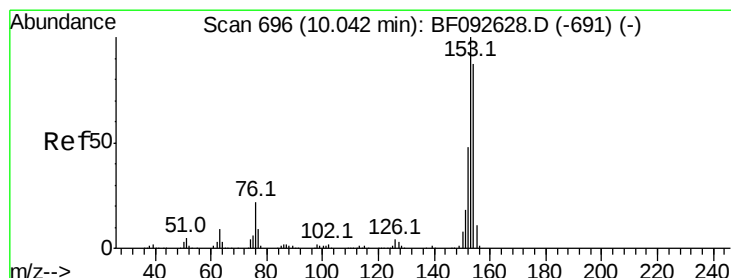
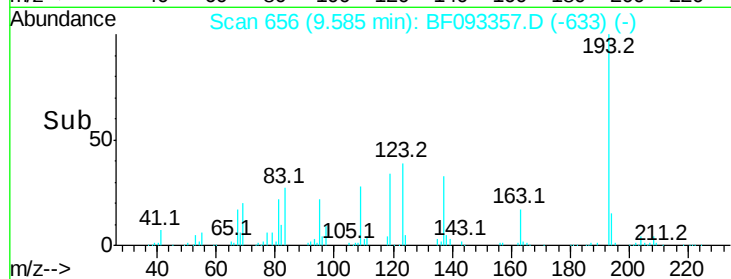
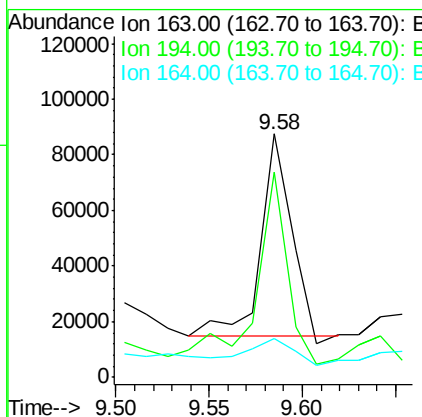
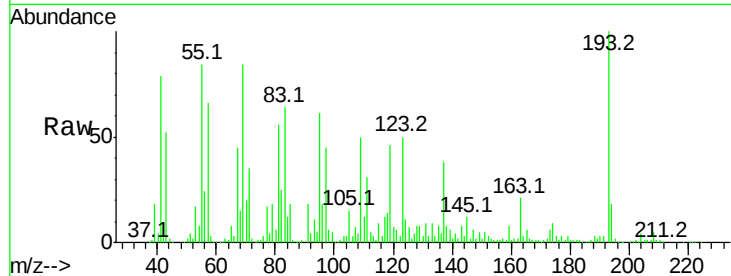
#49
Dimethylphthalate
Concen: 8.25 ng
RT: 9.58 min Scan# 656
Delta R.T. -0.03 min
Lab File: BF093357.D
Acq: 3 Mar 2017 12:28

Instrument :
BNA_F
ClientSampled :
23B-22

Tot Ion:163 Resp: 81268
Ion Ratio Lower Upper
163 100
194 84.5 3.0 4.4#
164 16.2 8.0 12.0#

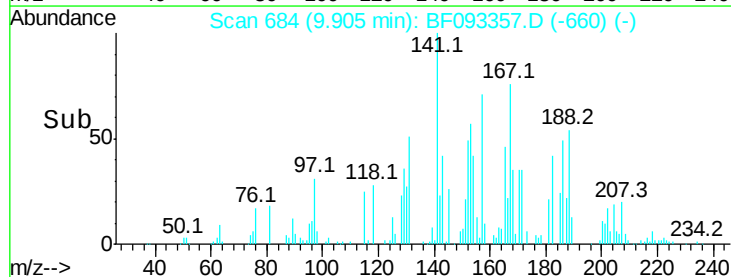
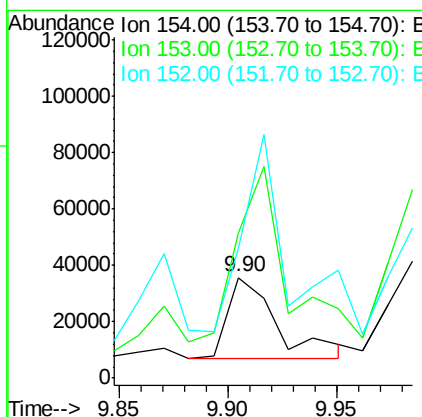
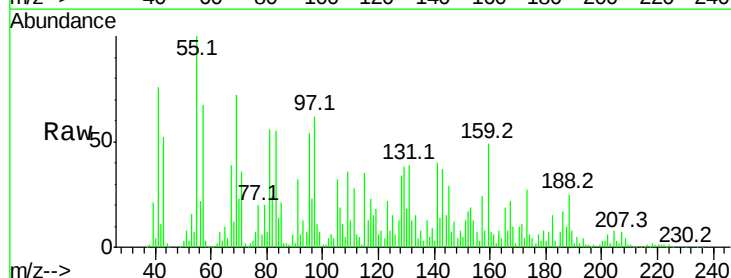
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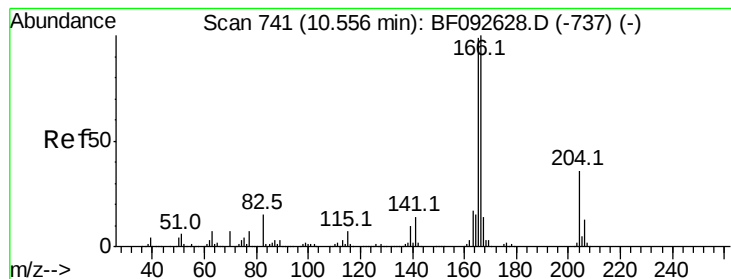
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#51
Acenaphthene
Concen: 5.36 ng
RT: 9.90 min Scan# 684
Delta R.T. -0.02 min
Lab File: BF093357.D
Acq: 3 Mar 2017 12:28

Tgt Ion:154 Resp: 45897
Ion Ratio Lower Upper
154 100
153 143.6 88.6 133.0#
152 129.2 41.6 62.4#





#57

Fluorene

Concen: 24.64 ng

RT: 10.43 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF093357.D

Acq: 3 Mar 2017 12:28

Instrument :

BNA_F

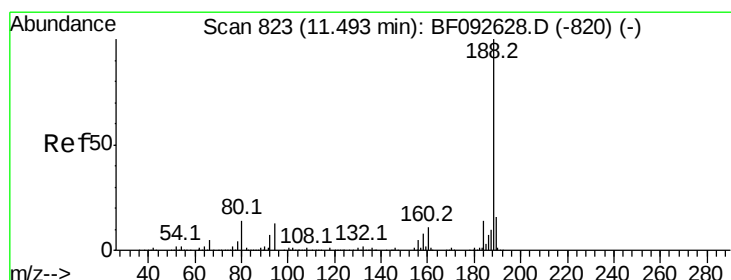
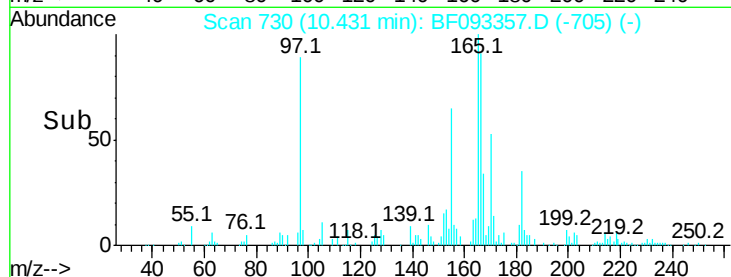
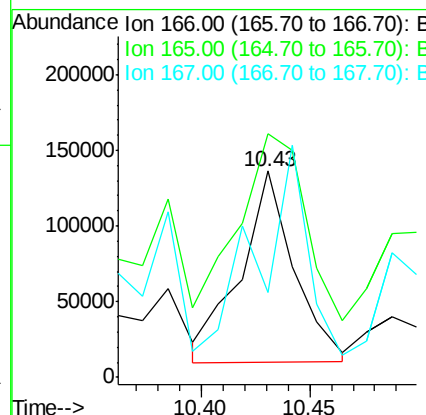
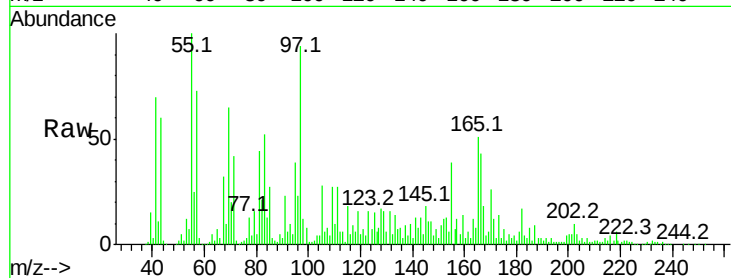
ClientSampleId :

23B-22

Tot Ion:166 Resp: 217027
 Ion Ratio Lower Upper
 166 100
 165 118.0 77.8 116.8#
 167 41.1 10.8 16.2#

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.00 ng

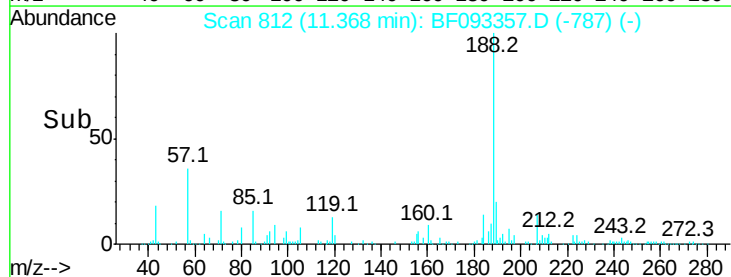
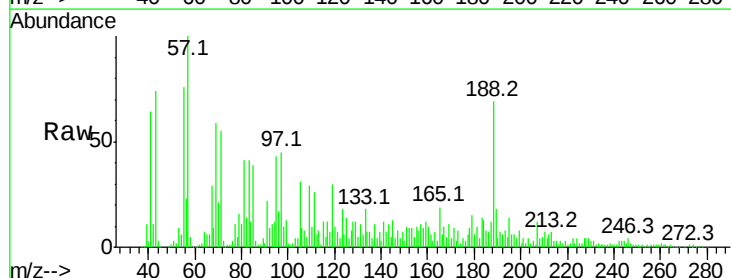
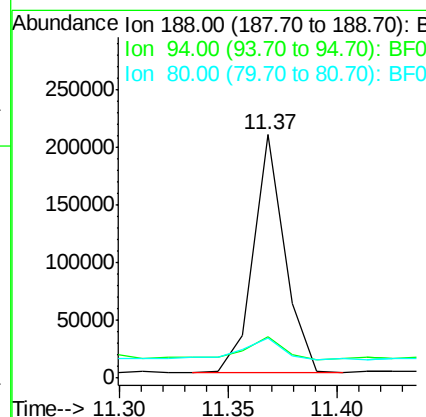
RT: 11.37 min Scan# 812

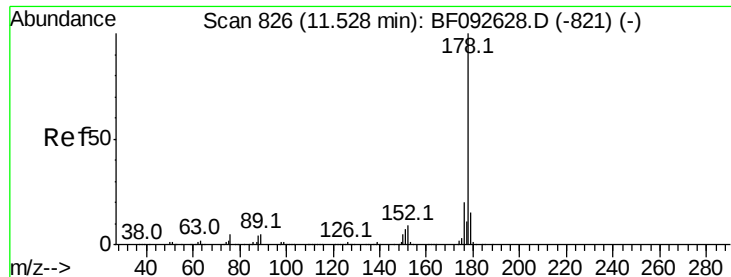
Delta R.T. -0.01 min

Lab File: BF093357.D

Acq: 3 Mar 2017 12:28

Tgt Ion:188 Resp: 206927
 Ion Ratio Lower Upper
 188 100
 94 17.2 10.0 15.0#
 80 16.7 11.2 16.8





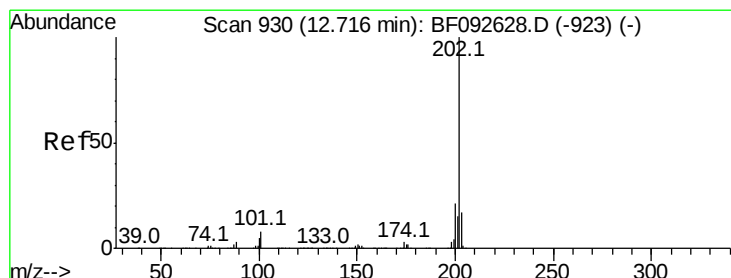
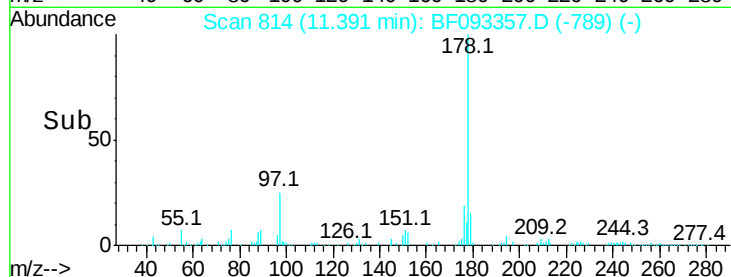
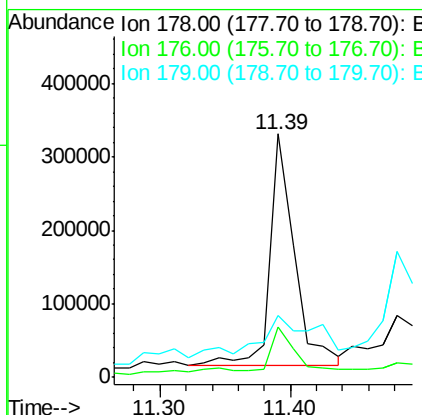
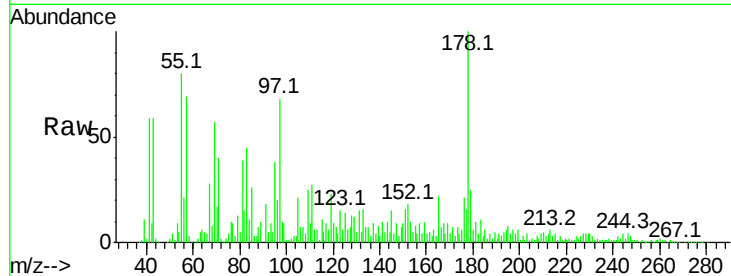
#70
Phenanthrene
Concen: 35.35 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF093357.D
Acq: 3 Mar 2017 12:28

Instrument :
BNA_F
ClientSampleId :
23B-22

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.6	16.6	25.0
179	25.4	12.8	19.2

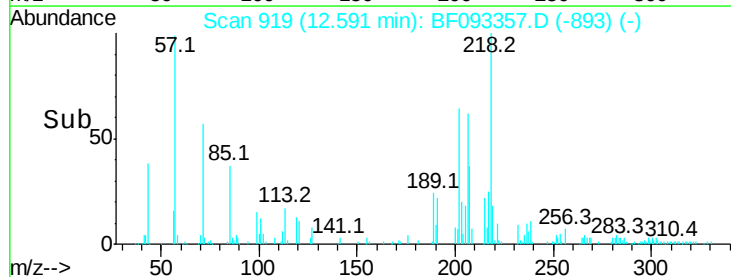
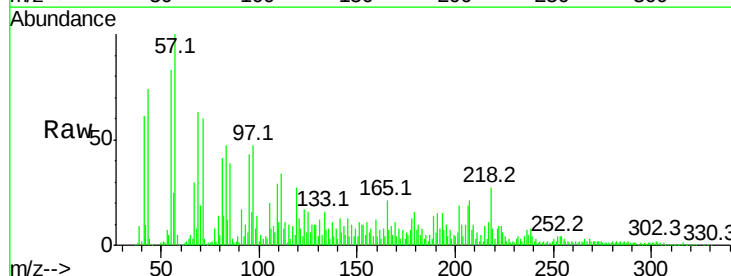
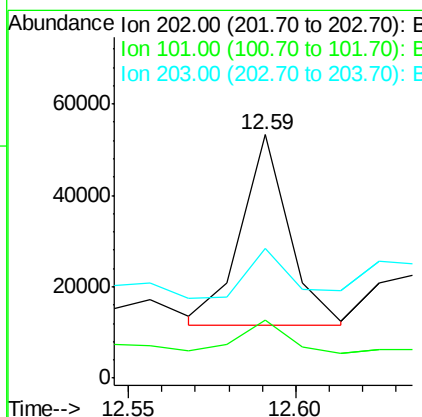
Manual Integrations
APPROVED

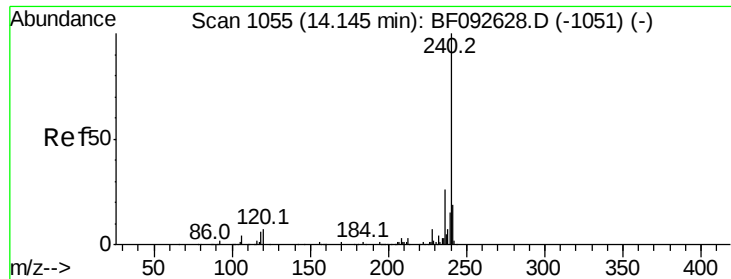
mohammad
3/3/2017 5:17:21 PM



#74
Fluoranthene
Concen: 3.44 ng m
RT: 12.59 min Scan# 919
Delta R.T. 0.00 min
Lab File: BF093357.D
Acq: 3 Mar 2017 12:28

Tgt Ion	Ratio	Lower	Upper
202	100		
101	23.7	0.0	34.6
203	53.1	0.0	38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 1044

Delta R.T. -0.00 min

Lab File: BF093357.D

Acq: 3 Mar 2017 12:28

Instrument :

BNA_F

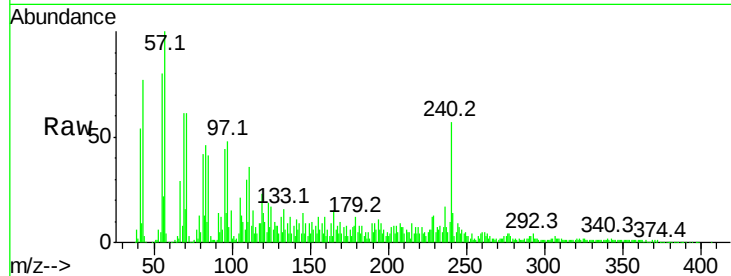
ClientSampleId :

23B-22

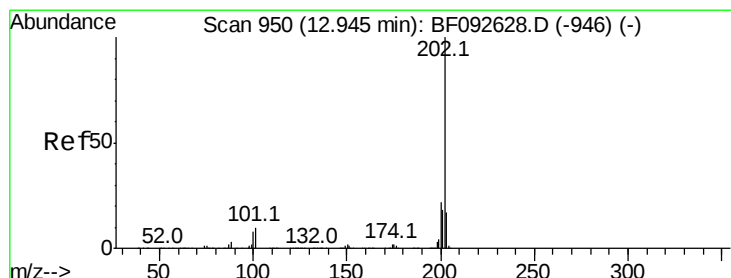
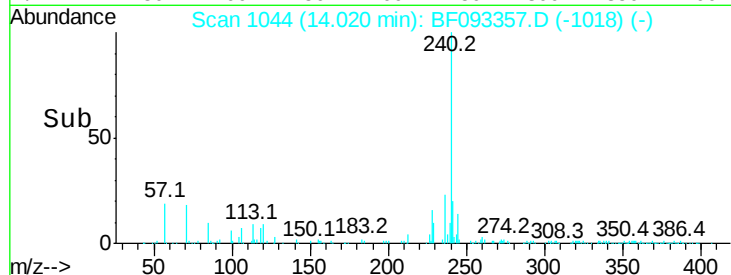
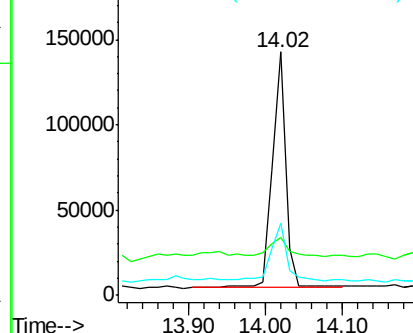
Tot Ion:	240	Resp:	169025
Ion Ratio	Lower	Upper	
240	100		
120	23.8	12.9	19.3#
236	29.9	20.9	31.3

Manual Integrations
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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



#77

Pyrene

Concen: 7.64 ng

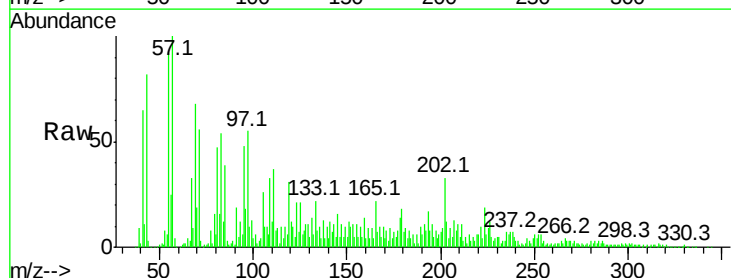
RT: 12.82 min Scan# 939

Delta R.T. -0.00 min

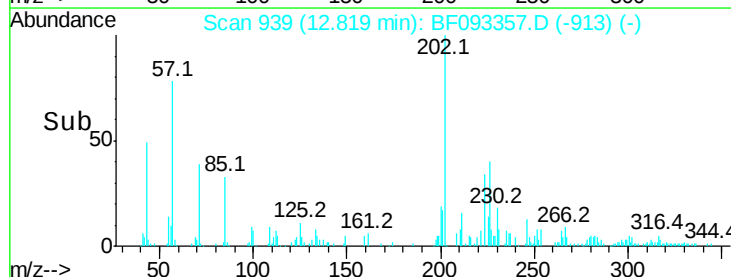
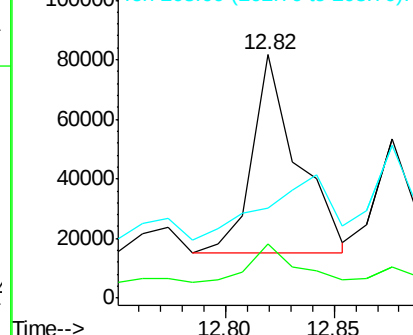
Lab File: BF093357.D

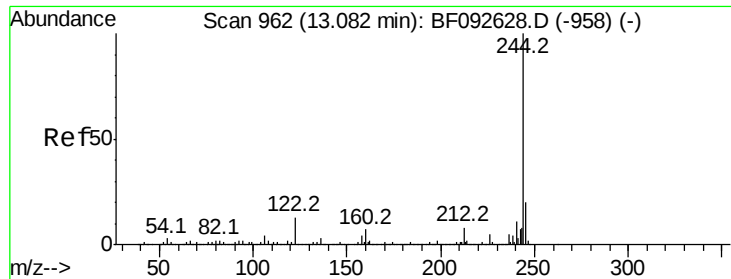
Acq: 3 Mar 2017 12:28

Tgt Ion:	202	Resp:	96637
Ion Ratio	Lower	Upper	
202	100		
200	22.5	17.7	26.5
203	36.8	14.7	22.1#



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 56.77 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF093357.D

Acq: 3 Mar 2017 12:28

Instrument :

BNA_F

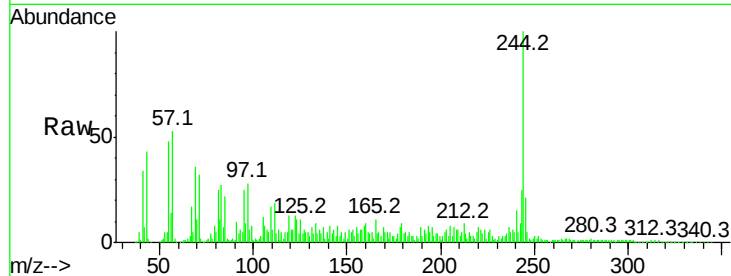
ClientSampled :

23B-22

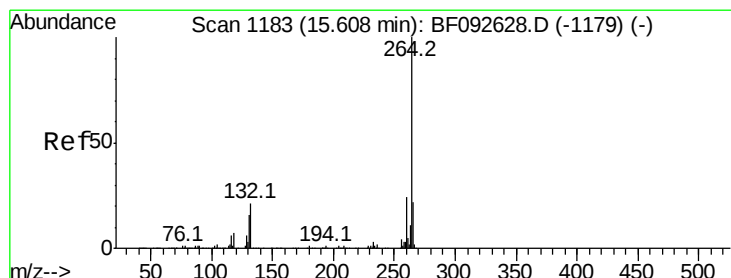
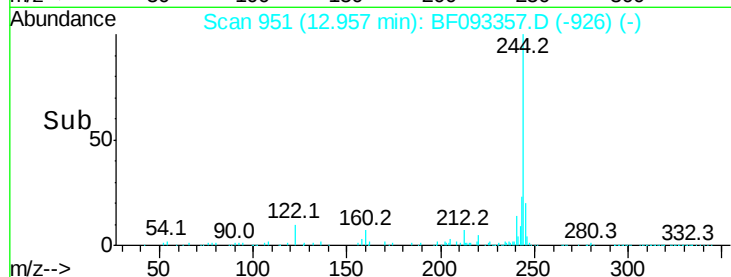
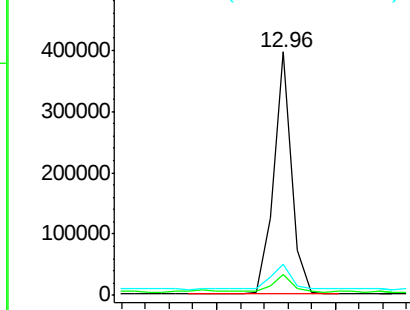
Tot Ion:	244	Resp:	408348
Ion Ratio	Lower	Upper	
244	100		
212	8.7	6.2	9.2
122	12.6	11.4	17.2

Manual Integrations
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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

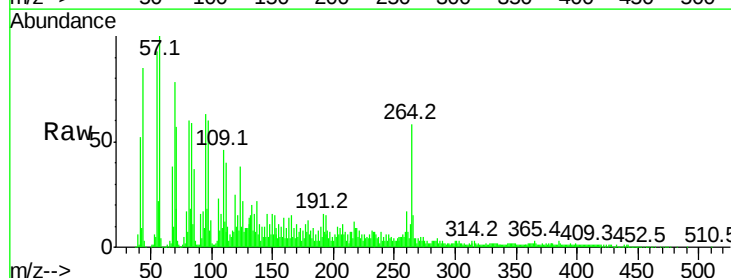
RT: 15.47 min Scan# 1171

Delta R.T. 0.02 min

Lab File: BF093357.D

Acq: 3 Mar 2017 12:28

Tgt Ion:	264	Resp:	158705
Ion Ratio	Lower	Upper	
264	100		
260	28.5	19.2	28.8
265	25.8	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

