

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071317\
 Data File : BF096763.D
 Acq On : 14 Jul 2017 7:51
 Operator : SJ/JU
 Sample : I4172-08
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-CONCRETE-BATCH-15

Manual Integrations
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mohammad
 7/17/2017 8:12:27 AM

Quant Time: Jul 14 14:09:43 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 13 14:49:34 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	103861	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	417906	20.00	ng	0.00
38) Acenaphthene-d10	9.67	164	151632	20.00	ng	0.00
63) Phenanthrene-d10	11.15	188	242857	20.00	ng	0.00
75) Chrysene-d12	13.78	240	205054	20.00	ng	0.00
86) Perylene-d12	15.16	264	138373	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	246002	35.61	ng	0.01
7) Phenol-d6	6.28	99	544622	65.70	ng	0.00
23) Nitrobenzene-d5	7.20	82	406818	60.30	ng	0.00
41) 2,4,6-Tribromophenol	10.46	330	5885	4.55	ng	0.00
44) 2-Fluorobiphenyl	9.00	172	700130	72.95	ng	0.00
78) Terphenyl-d14	12.73	244	537652	45.47	ng	0.00
Target Compounds						
20) 3+4-Methylphenols	7.06	107	14924	2.122	ng	# 62
27) 2,4-Dimethylphenol	7.60	122	30253	4.740	ng	# 89
31) Naphthalene	7.94	128	47539	2.401	ng	99
37) 2-Methylnaphthalene	8.63	142	332764	26.365	ng	97
45) 1,1'-Biphenyl	9.10	154	31698m	2.437	ng	
49) Dimethylphthalate	9.39	163	100375	8.791	ng	# 92
57) Fluorene	10.22	166	21569m	2.311	ng	
70) Phenanthrene	11.17	178	38466	2.913	ng	97

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

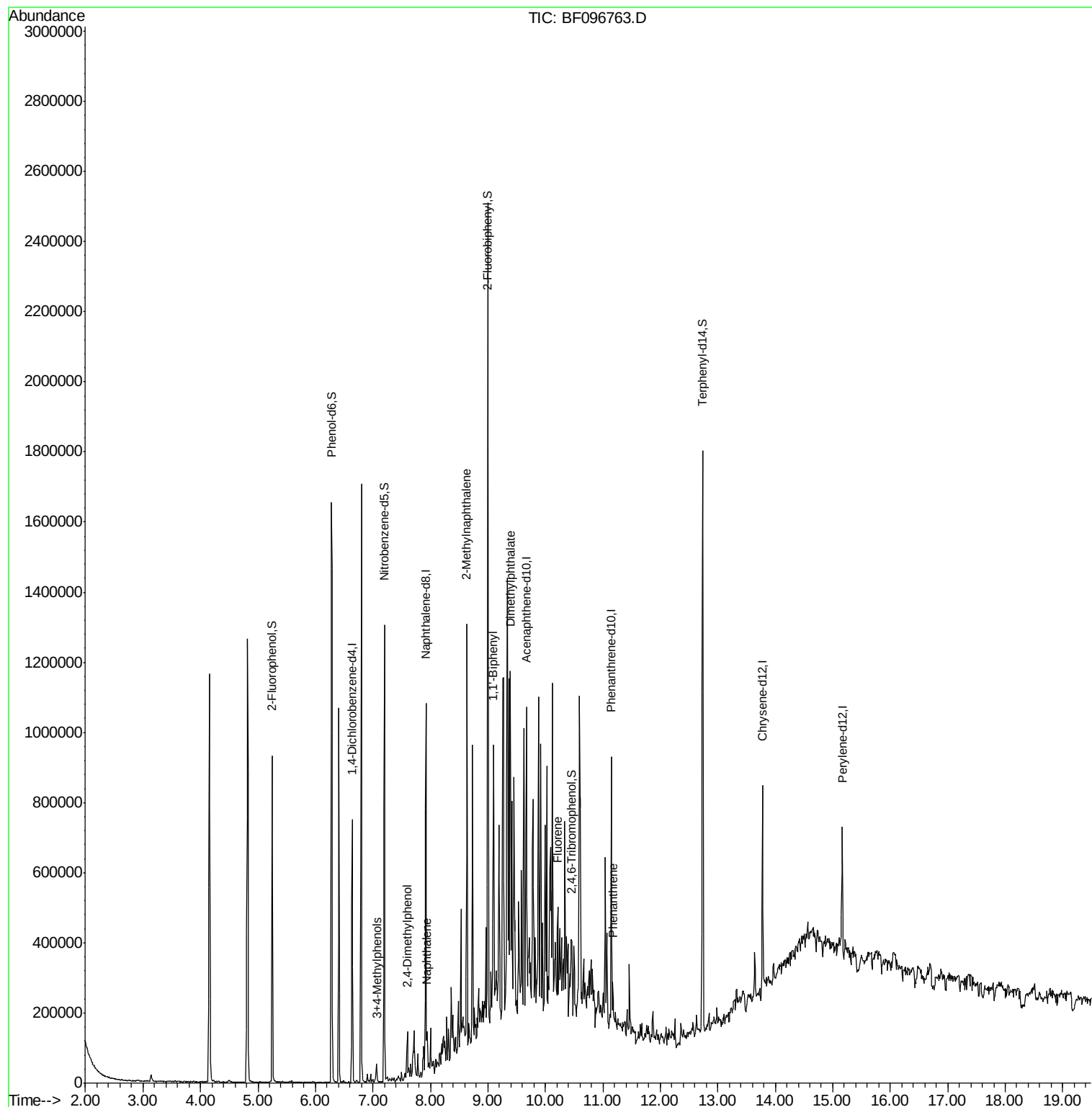
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071317\
Data File : BF096763.D
Acq On : 14 Jul 2017 7:51
Operator : SJ/JU
Sample : I4172-08
Misc :
ALS Vial : 43 Sample Multiplier: 1

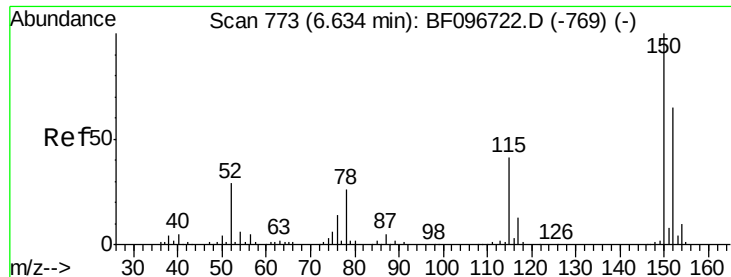
Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-BATCH-15

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Quant Time: Jul 14 14:09:43 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
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#1

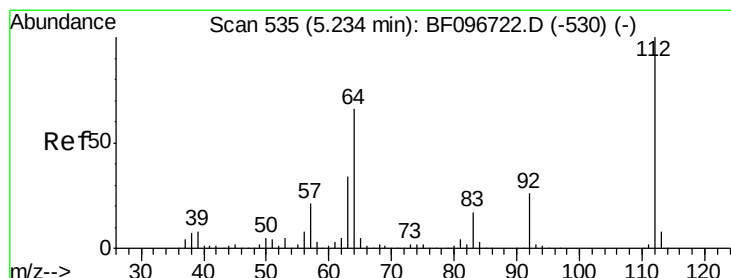
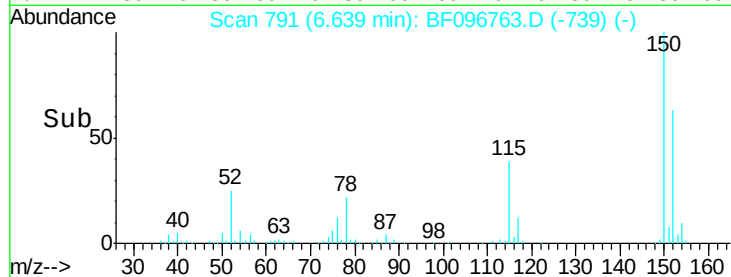
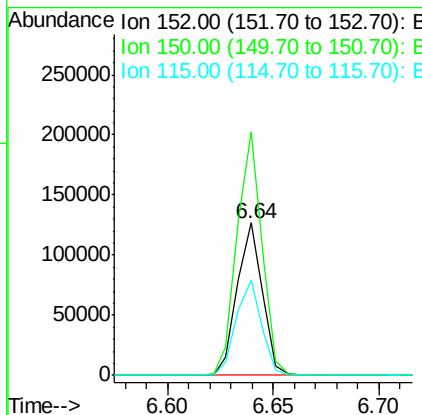
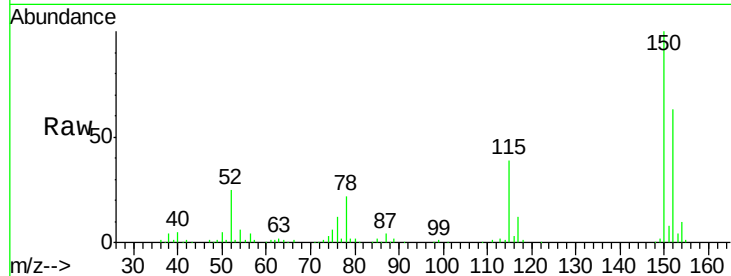
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.64 min Scan# 791
Delta R.T. 0.01 min
Lab File: BF096763.D
Acq: 14 Jul 2017 7:51

Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-BATCH-15

Tgt Ion	Ratio	Lower	Upper
152	100		
150	159.4	126.2	189.2
115	62.3	52.2	78.2

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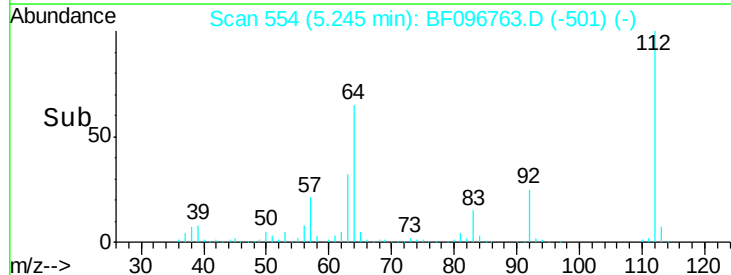
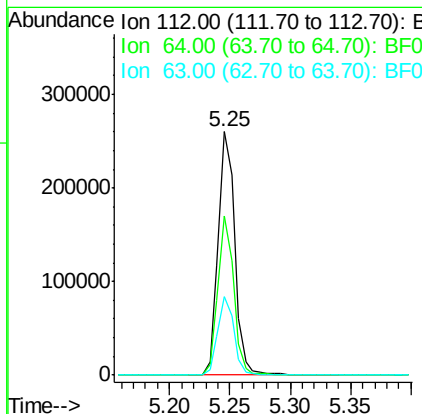
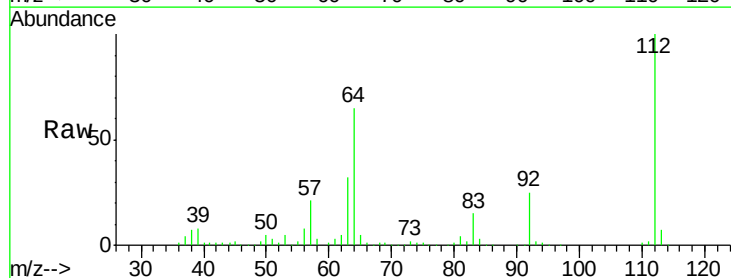
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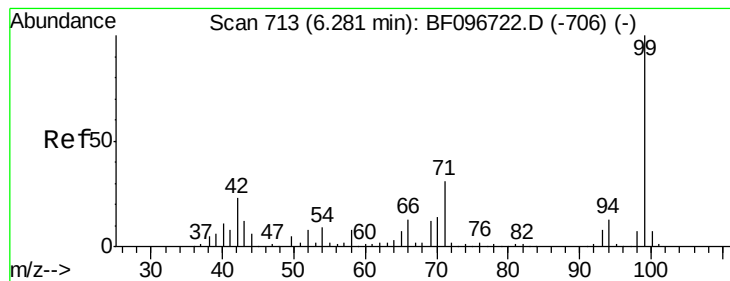


#5

2-Fluorophenol
Concen: 35.613 ng
RT: 5.25 min Scan# 554
Delta R.T. 0.01 min
Lab File: BF096763.D
Acq: 14 Jul 2017 7:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.5	46.0	69.0
63	32.3	23.4	35.0





#7

Phenol-d6

Concen: 65.702 ng

RT: 6.28 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF096763.D

Acq: 14 Jul 2017 7:51

Instrument :

BNA_F

ClientSampleId :

E2-CONCRETE-BATCH-15

Tgt Ion: 99 Resp: 544622

Ion Ratio Lower Upper

99 100

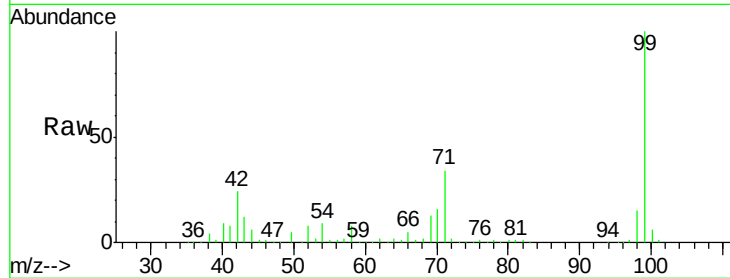
42 23.6 13.5 20.3#

71 33.9 24.5 36.7

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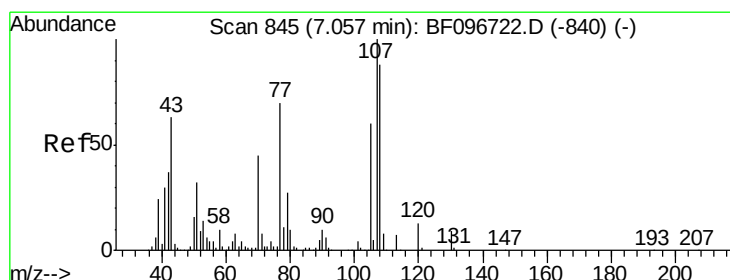
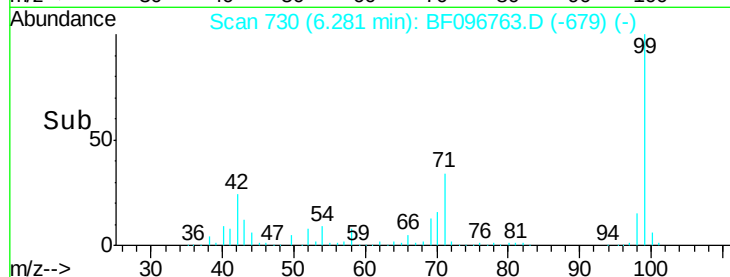
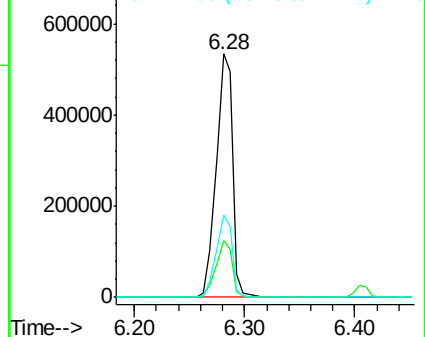
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#20

3+4-Methylphenols

Concen: 2.122 ng

RT: 7.06 min Scan# 863

Delta R.T. 0.01 min

Lab File: BF096763.D

Acq: 14 Jul 2017 7:51

Tgt Ion: 107 Resp: 14924

Ion Ratio Lower Upper

107 100

108 88.7 71.0 111.0

77 30.7 90.5 130.5#

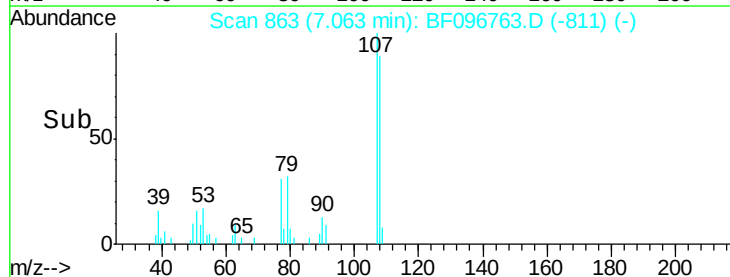
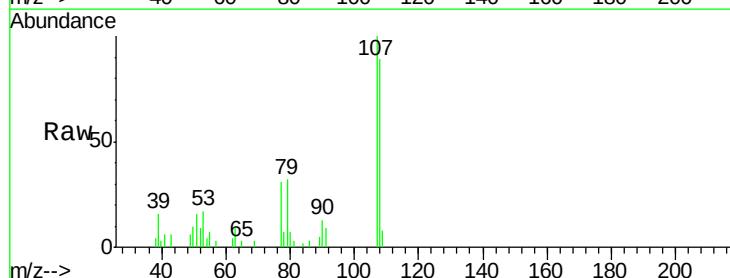
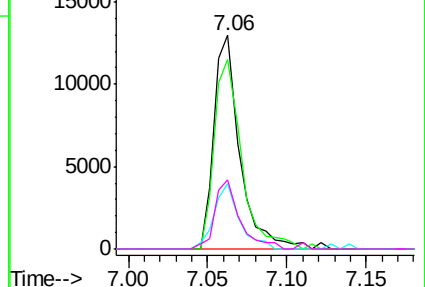
79 32.4 8.4 48.4

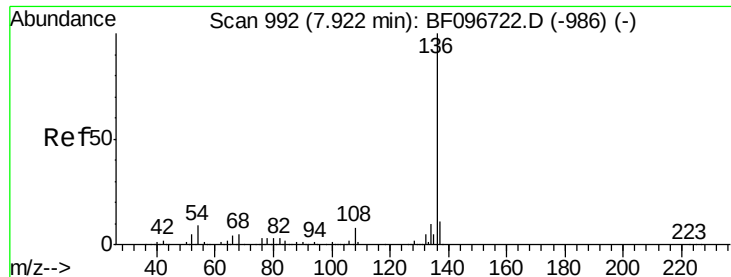
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.92 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BF096763.D

Acq: 14 Jul 2017 7:51

Instrument :

BNA_F

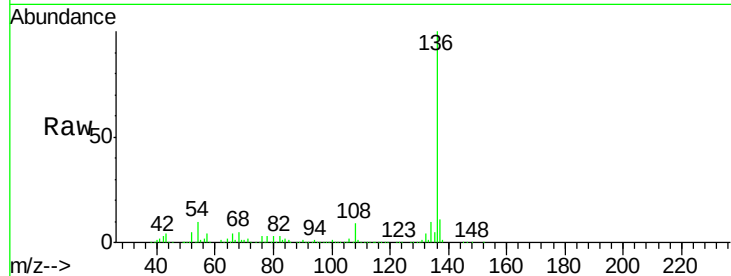
ClientSampleId :

E2-CONCRETE-BATCH-15

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	417906		
137	10.8	8.5	12.7	
54	10.3	4.9	7.3	
68	4.9	4.1	6.1	

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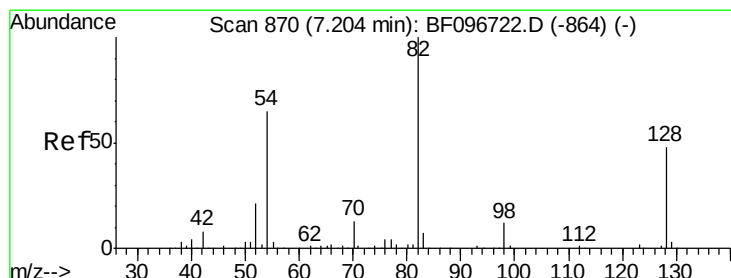
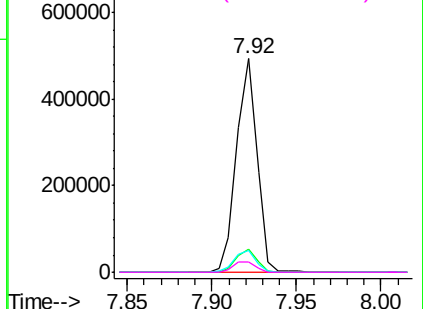
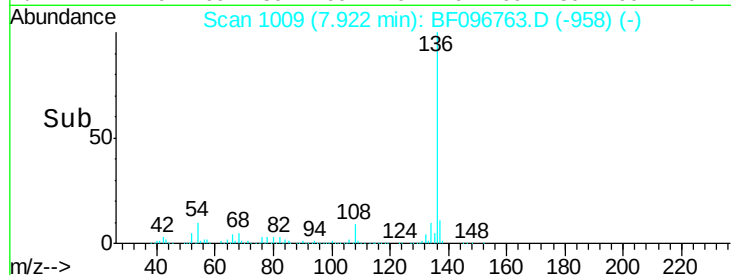


Abundance Ion 136.00 (135.70 to 136.70): E

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: 60.297 ng

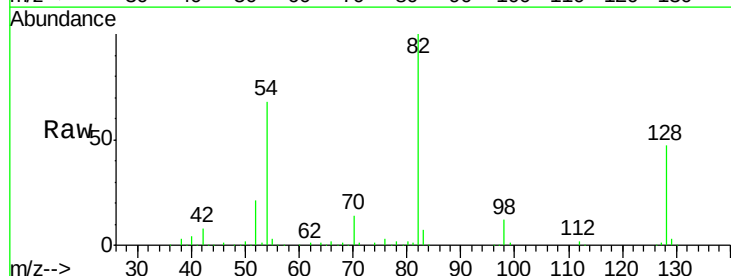
RT: 7.20 min Scan# 886

Delta R.T. -0.01 min

Lab File: BF096763.D

Acq: 14 Jul 2017 7:51

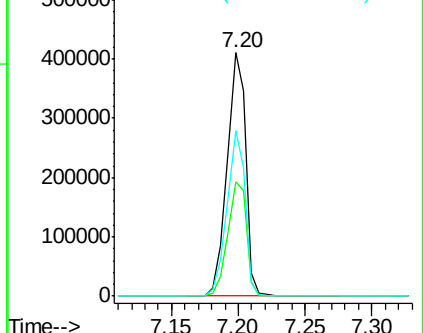
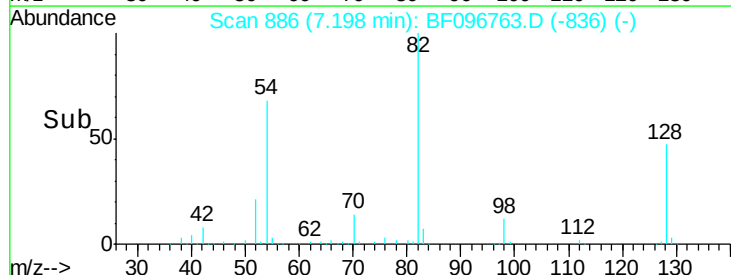
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	406818		
128	47.0	34.0	51.0	
54	68.2	42.2	63.2	

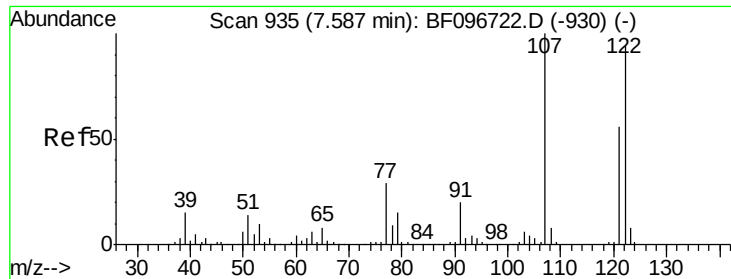


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#27

2,4-Dimethylphenol

Concen: 4.740 ng

RT: 7.60 min Scan# 954

Delta R.T. 0.01 min

Lab File: BF096763.D

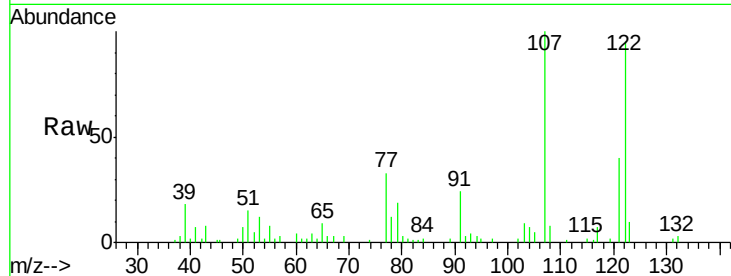
Acq: 14 Jul 2017 7:51

Instrument :

BNA_F

ClientSampleId :

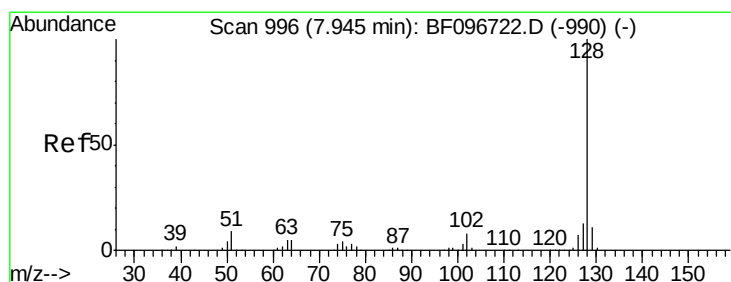
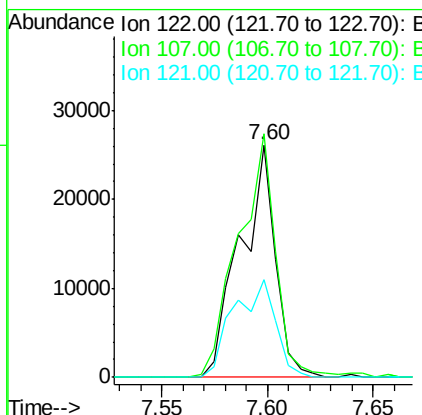
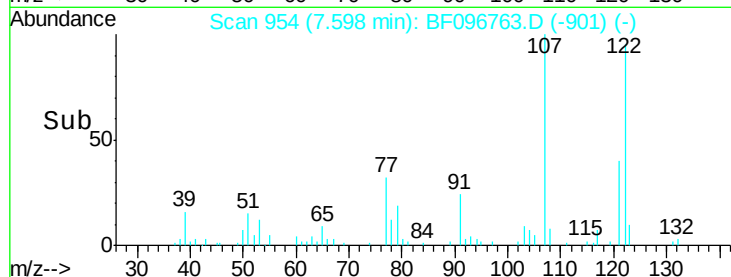
E2-CONCRETE-BATCH-15



Tgt Ion:	122	Resp:	30253
Ion Ratio	Lower	Upper	
122	100		
107	104.7	89.2	133.8
121	42.0	45.2	67.8#

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#31

Naphthalene

Concen: 2.401 ng

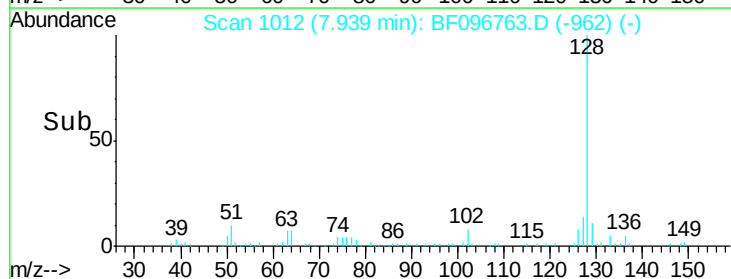
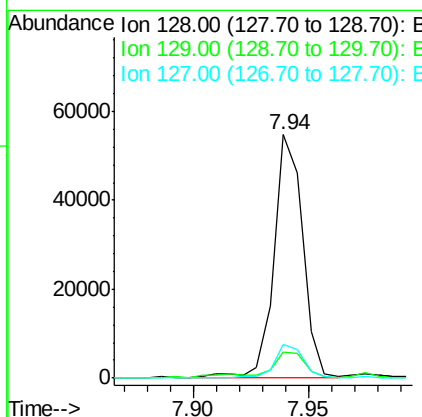
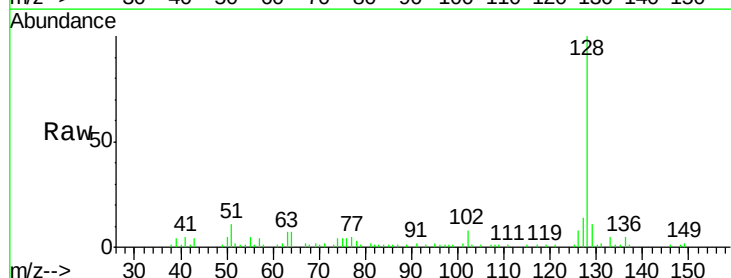
RT: 7.94 min Scan# 1012

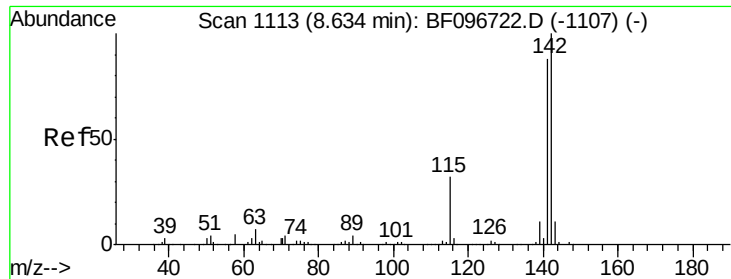
Delta R.T. -0.01 min

Lab File: BF096763.D

Acq: 14 Jul 2017 7:51

Tgt Ion:	128	Resp:	47539
Ion Ratio	Lower	Upper	
128	100		
129	10.8	9.0	13.6
127	13.9	10.8	16.2





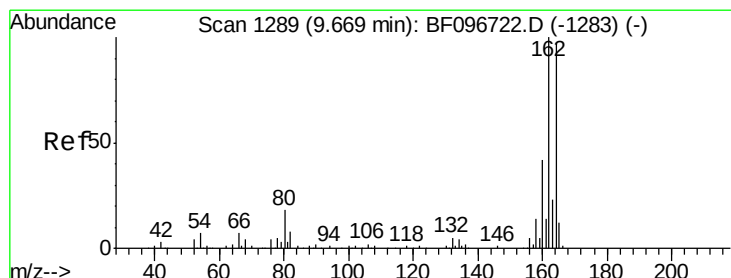
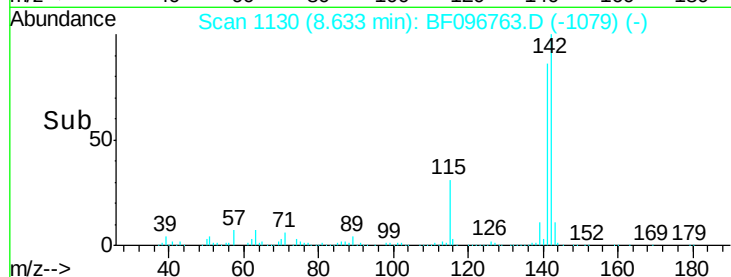
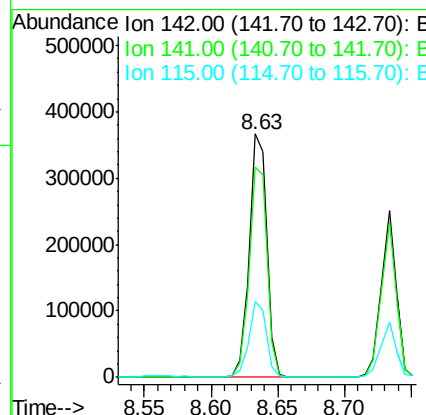
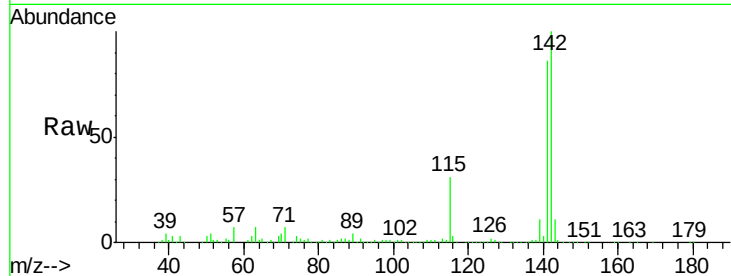
#37
 2-Methylnaphthalene
 Concen: 26.365 ng
 RT: 8.63 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: BF096763.D
 Acq: 14 Jul 2017 7:51

Instrument :
 BNA_F
 ClientSampleId :
 E2-CONCRETE-BATCH-15

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	332764		
141	86.5	71.3	106.9	
115	31.0	27.1	40.7	

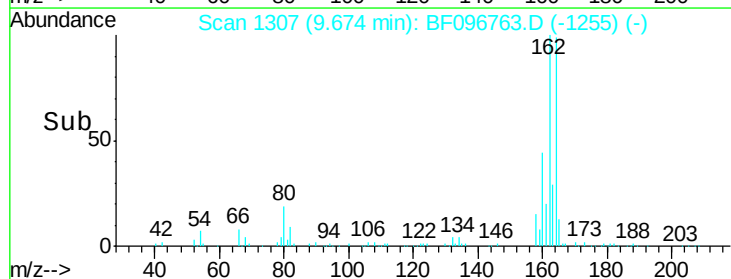
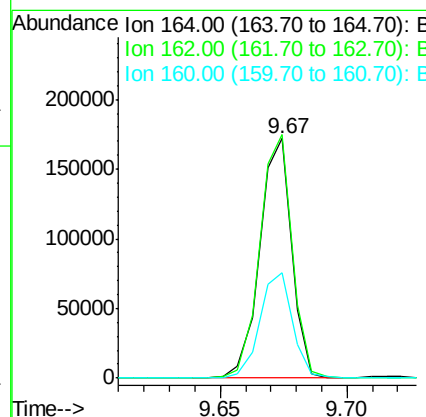
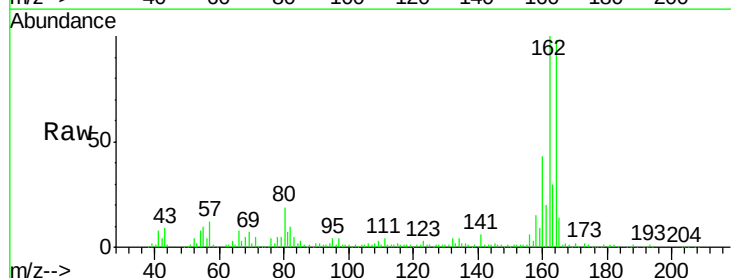
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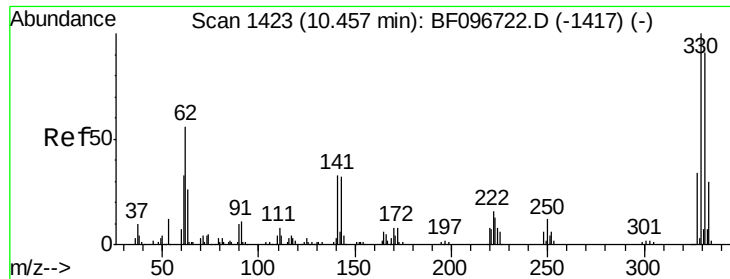
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.67 min Scan# 1307
 Delta R.T. 0.01 min
 Lab File: BF096763.D
 Acq: 14 Jul 2017 7:51

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	151632		
162	101.7	82.6	123.8	
160	44.0	36.2	54.2	





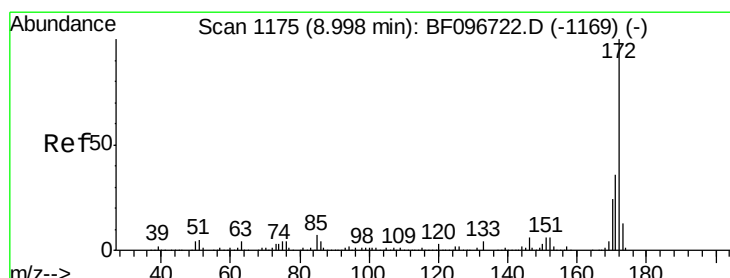
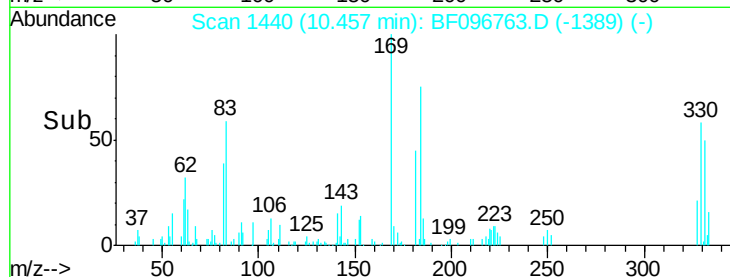
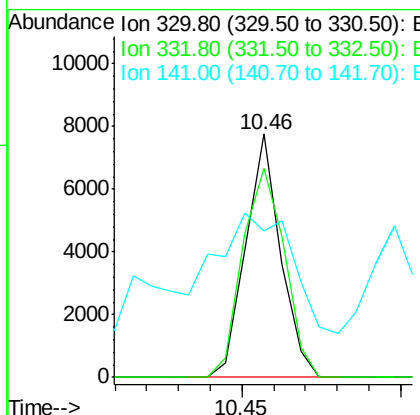
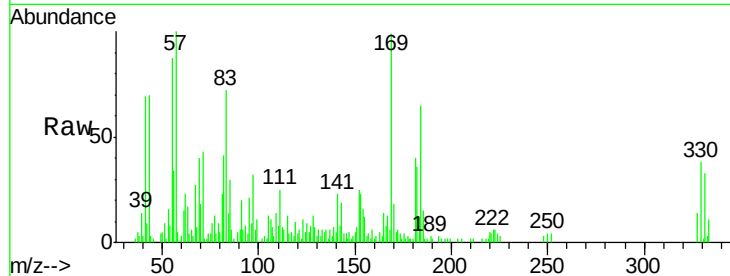
#41
 2,4,6-Tribromophenol
 Concen: 4.547 ng
 RT: 10.46 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: BF096763.D
 Acq: 14 Jul 2017 7:51

Instrument :
 BNA_F
 ClientSampleId :
 E2-CONCRETE-BATCH-15

Tgt Ion	Ratio	Lower	Upper
330	100		
332	104.0	76.6	115.0
141	105.2	31.4	47.2

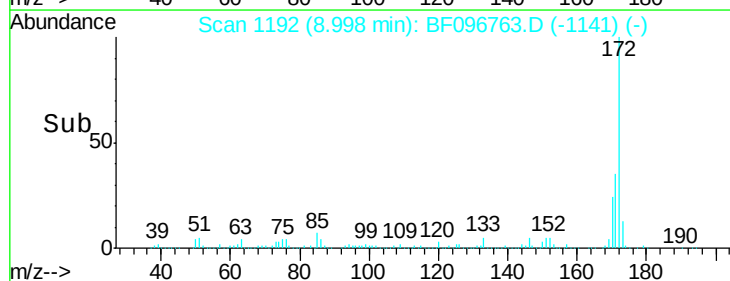
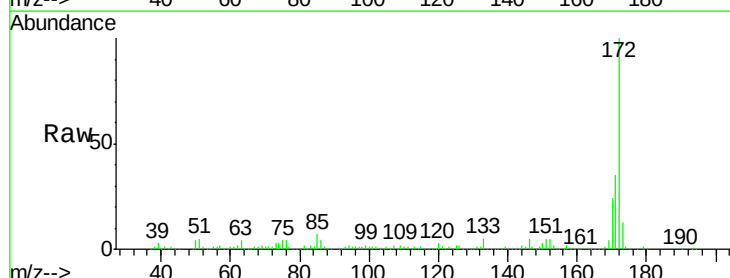
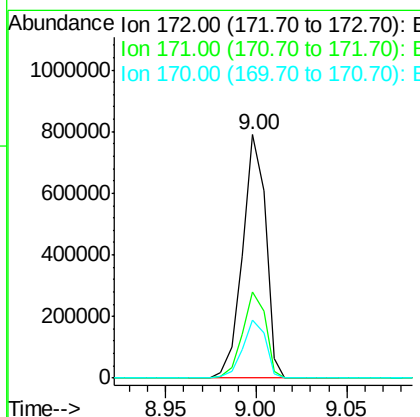
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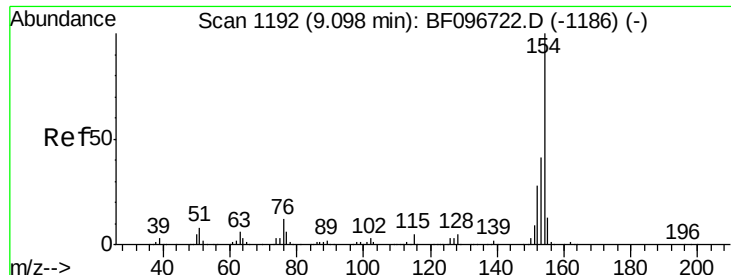
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#44
 2-Fluorobiphenyl
 Concen: 72.950 ng
 RT: 9.00 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: BF096763.D
 Acq: 14 Jul 2017 7:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.6	44.4
170	23.7	19.8	29.8





#45

1,1'-Biphenyl

Concen: 2.437 ng m

RT: 9.10 min Scan# 1209

Delta R.T. -0.00 min

Lab File: BF096763.D

Acq: 14 Jul 2017 7:51

Instrument :

BNA_F

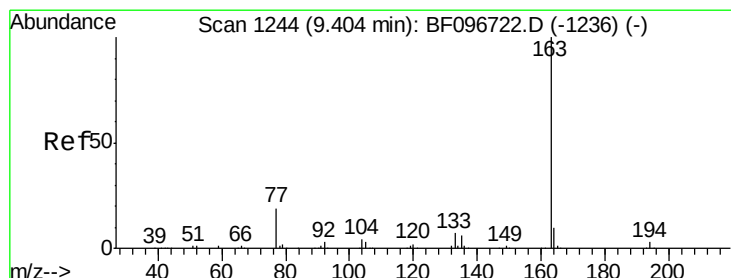
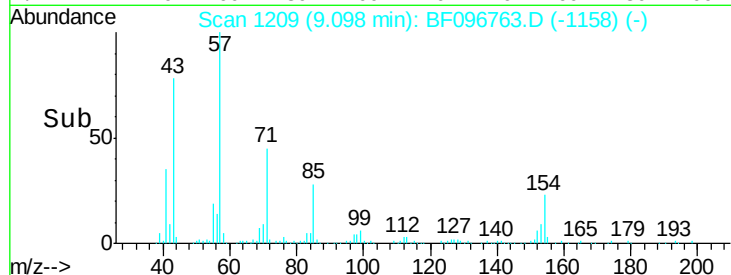
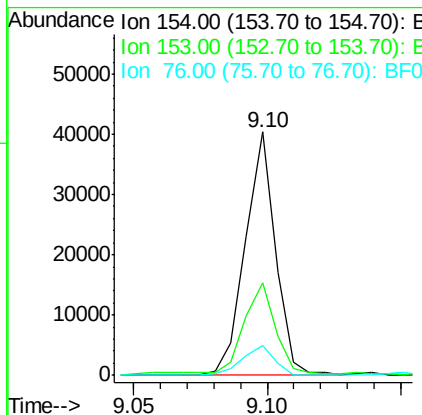
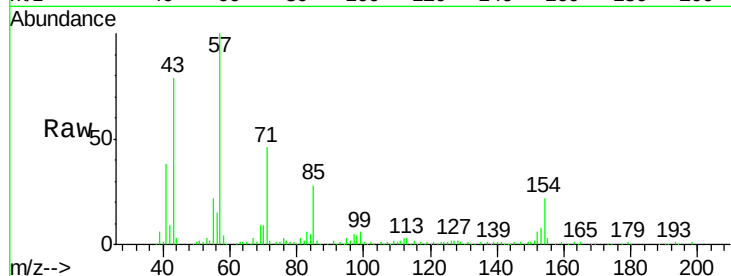
ClientSampleId :

E2-CONCRETE-BATCH-15

Tgt Ion:	154	Resp:	31698
Ion Ratio	Lower	Upper	
154	100		
153	37.9	21.2	61.2
76	12.2	0.0	29.9

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#49

Dimethylphthalate

Concen: 8.791 ng

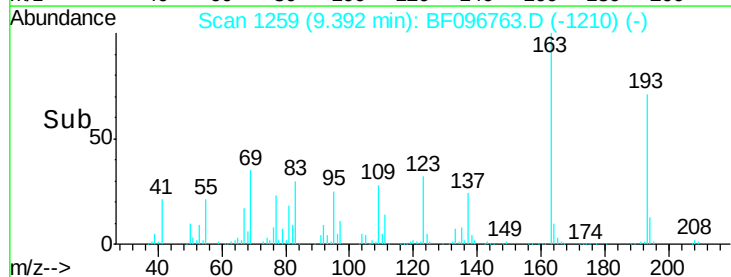
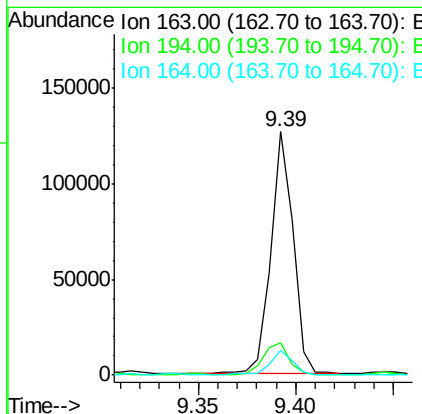
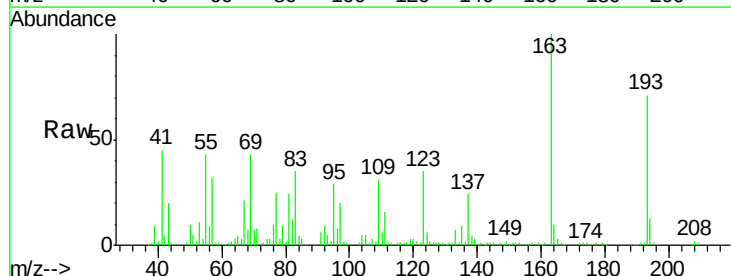
RT: 9.39 min Scan# 1259

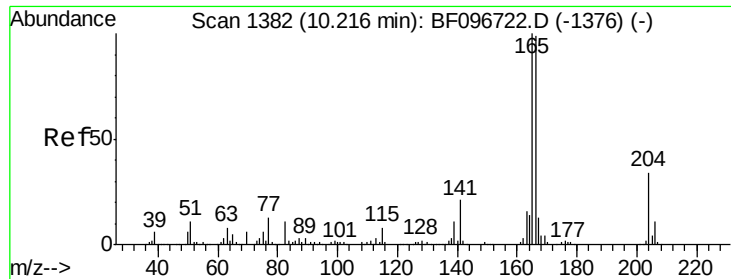
Delta R.T. -0.01 min

Lab File: BF096763.D

Acq: 14 Jul 2017 7:51

Tgt Ion:	163	Resp:	100375
Ion Ratio	Lower	Upper	
163	100		
194	13.5	2.6	4.0#
164	10.3	8.4	12.6





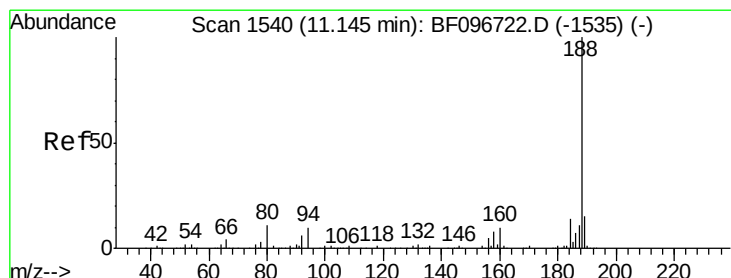
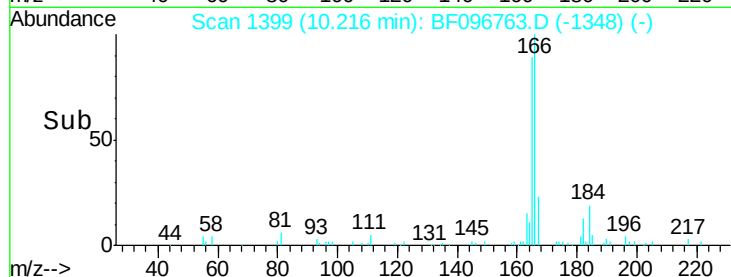
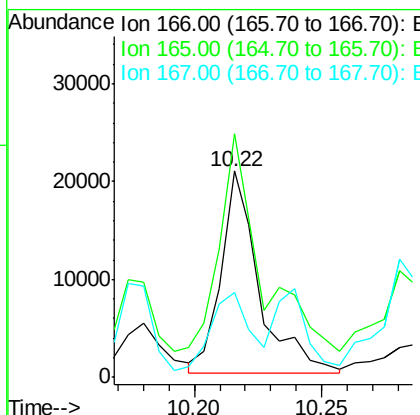
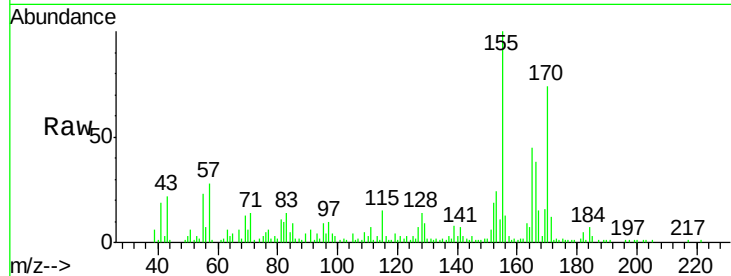
#57
Fluorene
 Concen: 2.311 ng m
 RT: 10.22 min Scan# 1399
 Delta R.T. 0.00 min
 Lab File: BF096763.D
 Acq: 14 Jul 2017 7:51

Instrument :
 BNA_F
 ClientSampleId :
 E2-CONCRETE-BATCH-15

Tgt Ion:166 Resp: 21569
 Ion Ratio Lower Upper
 166 100
 165 118.2 78.8 118.2#
 167 41.0 10.6 16.0#

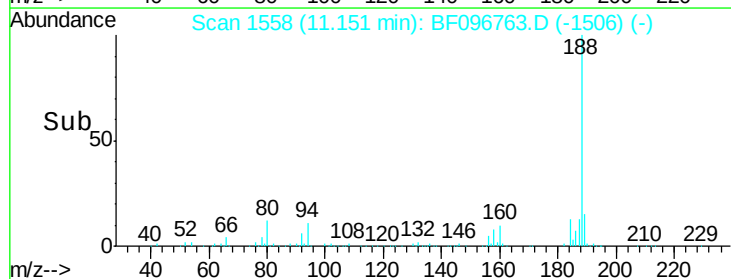
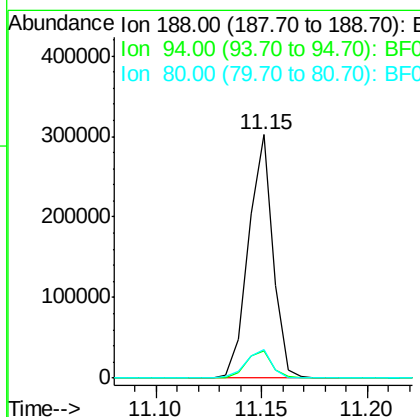
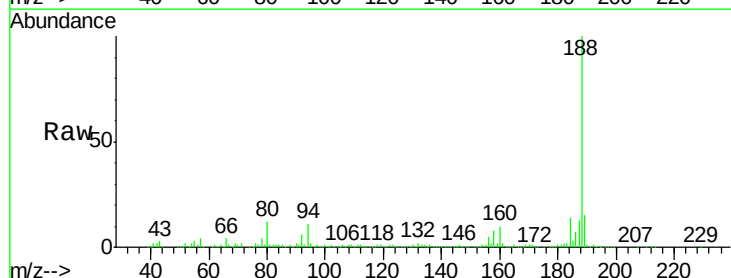
Manual Integrations
 APPROVED

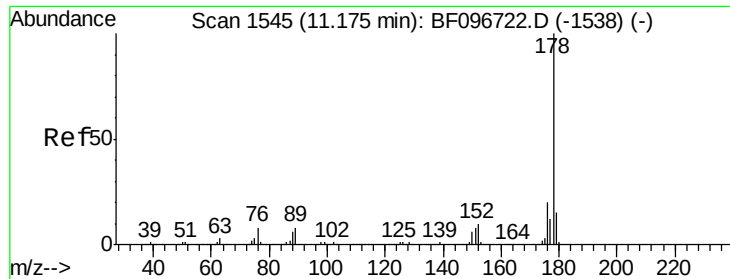
mohammad
 7/17/2017 8:12:27 AM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.15 min Scan# 1558
 Delta R.T. 0.01 min
 Lab File: BF096763.D
 Acq: 14 Jul 2017 7:51

Tgt Ion:188 Resp: 242857
 Ion Ratio Lower Upper
 188 100
 94 11.3 9.4 14.2
 80 11.7 10.2 15.2





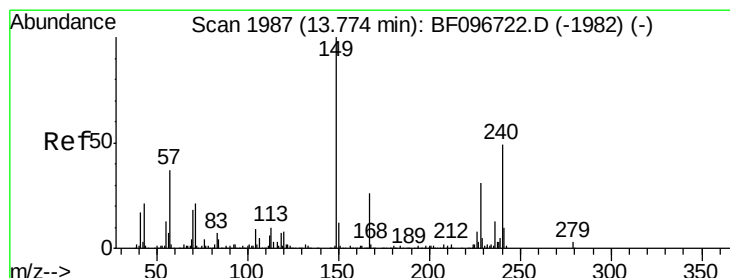
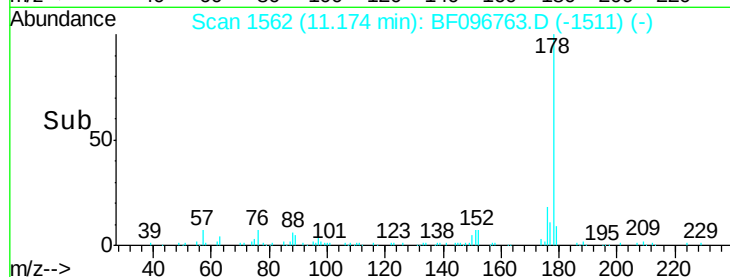
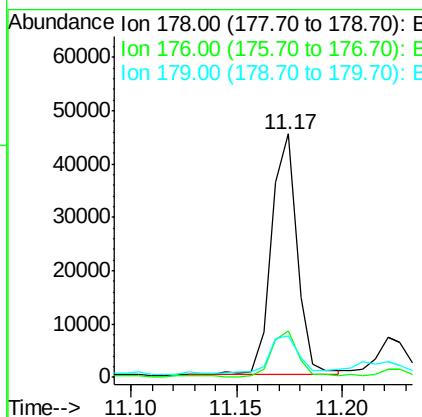
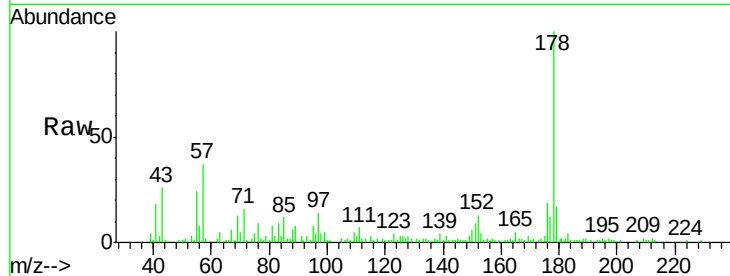
#70
 Phenanthrene
 Concen: 2.913 ng
 RT: 11.17 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: BF096763.D
 Acq: 14 Jul 2017 7:51

Instrument :
 BNA_F
 ClientSampleId :
 E2-CONCRETE-BATCH-15

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.2	24.4
179	17.0	12.6	19.0

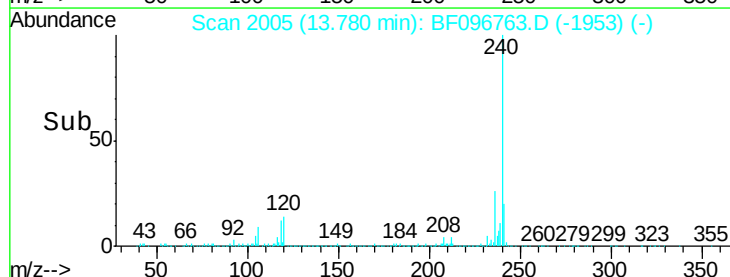
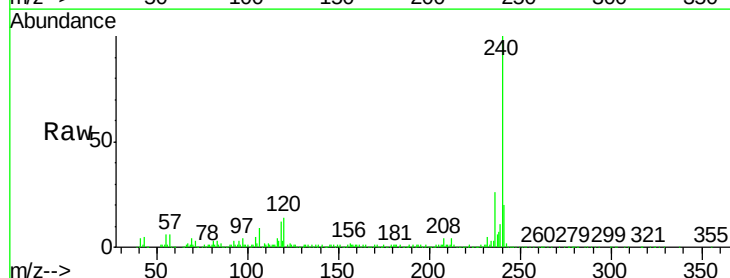
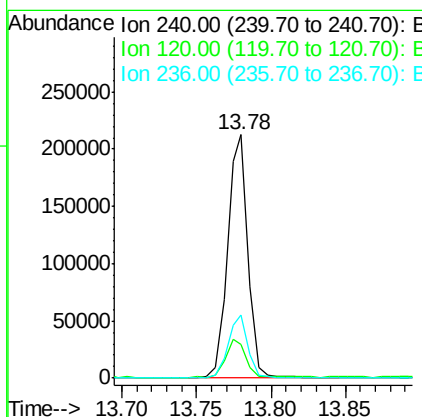
Manual Integrations
 APPROVED

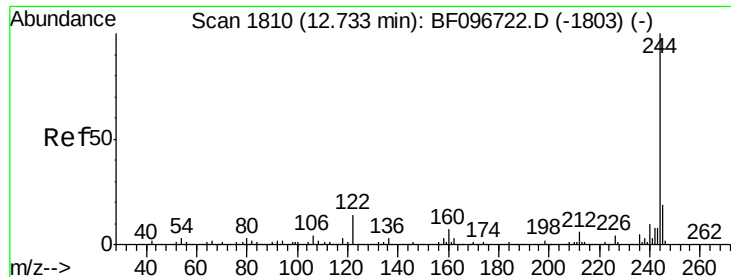
mohammad
 7/17/2017 8:12:27 AM



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.78 min Scan# 2005
 Delta R.T. 0.01 min
 Lab File: BF096763.D
 Acq: 14 Jul 2017 7:51

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.0	5.8	8.8#
236	26.1	20.5	30.7





#78

Terphenyl-d14

Concen: 45.472 ng

RT: 12.73 min Scan# 1827

Delta R.T. -0.00 min

Lab File: BF096763.D

Acq: 14 Jul 2017 7:51

Instrument :

BNA_F

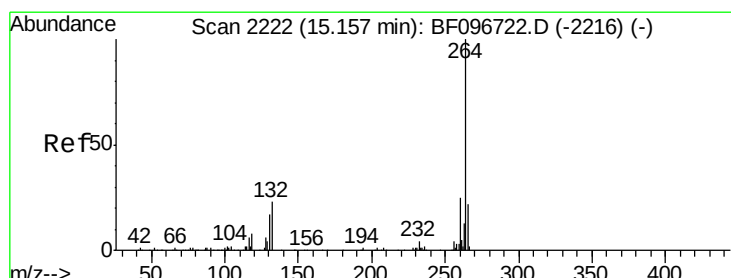
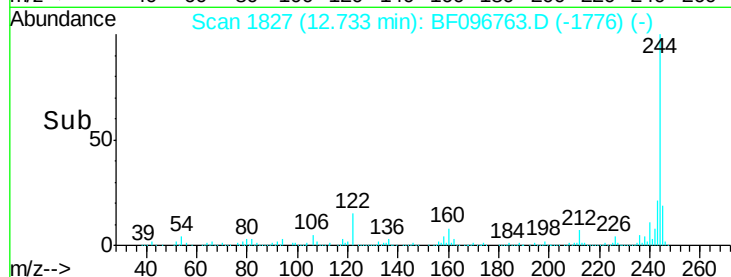
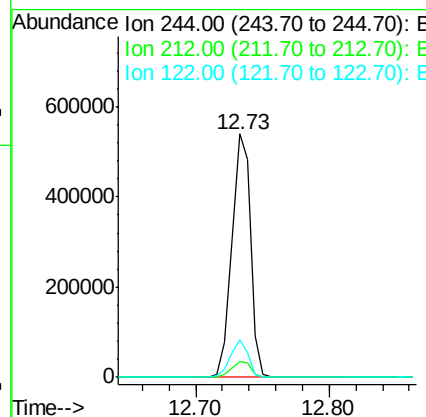
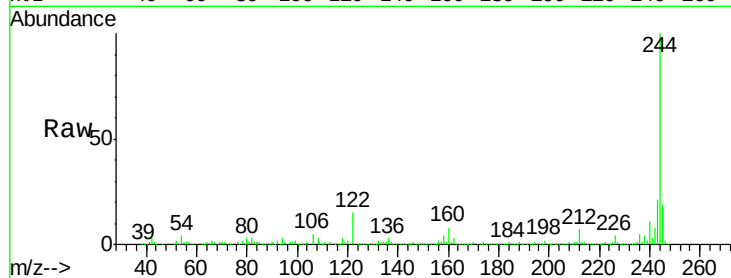
ClientSampleId :

E2-CONCRETE-BATCH-15

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	537652		
212	6.7	6.0	9.0	
122	15.3	10.3	15.5	

Manual Integrations
APPROVED

mohammad
7/17/2017 8:12:27 AM



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.16 min Scan# 2240

Delta R.T. 0.01 min

Lab File: BF096763.D

Acq: 14 Jul 2017 7:51

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	138373		
260	23.1	19.5	29.3	
265	21.5	17.2	25.8	

