

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071417\
 Data File : BF096785.D
 Acq On : 14 Jul 2017 21:35
 Operator : SJ/JU
 Sample : I4172-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Jul 17 04:15:35 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	6.62	152	127488	20.00	ng	-0.01
21) Naphthalene-d8	7.90	136	521534	20.00	ng	-0.02
38) Acenaphthene-d10	9.66	164	223254	20.00	ng	-0.01
63) Phenanthrene-d10	11.13	188	395666	20.00	ng	-0.01
75) Chrysene-d12	13.76	240	346389	20.00	ng	-0.01
86) Perylene-d12	15.14	264	253970	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	401267	47.33	ng	0.00
7) Phenol-d6	6.27	99	850080	83.55	ng	-0.01
23) Nitrobenzene-d5	7.19	82	524543	62.30	ng	-0.02
41) 2,4,6-Tribromophenol	10.44	330	48801	25.61	ng	-0.02
44) 2-Fluorobiphenyl	8.99	172	902518	63.87	ng	-0.01
78) Terphenyl-d14	12.72	244	783340	39.22	ng	-0.01
Target Compounds						
20) 3+4-Methylphenols	7.05	107	18079	2.095	ng	# 61
27) 2,4-Dimethylphenol	7.58	122	37257m	4.677	ng	
31) Naphthalene	7.93	128	57797	2.339	ng	99
37) 2-Methylnaphthalene	8.62	142	435133	27.626	ng	99
45) 1,1'-Biphenyl	9.08	154	44968m	2.349	ng	# 96
49) Dimethylphthalate	9.38	163	140611	8.365	ng	
70) Phenanthrene	11.16	178	65915	3.064	ng	

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

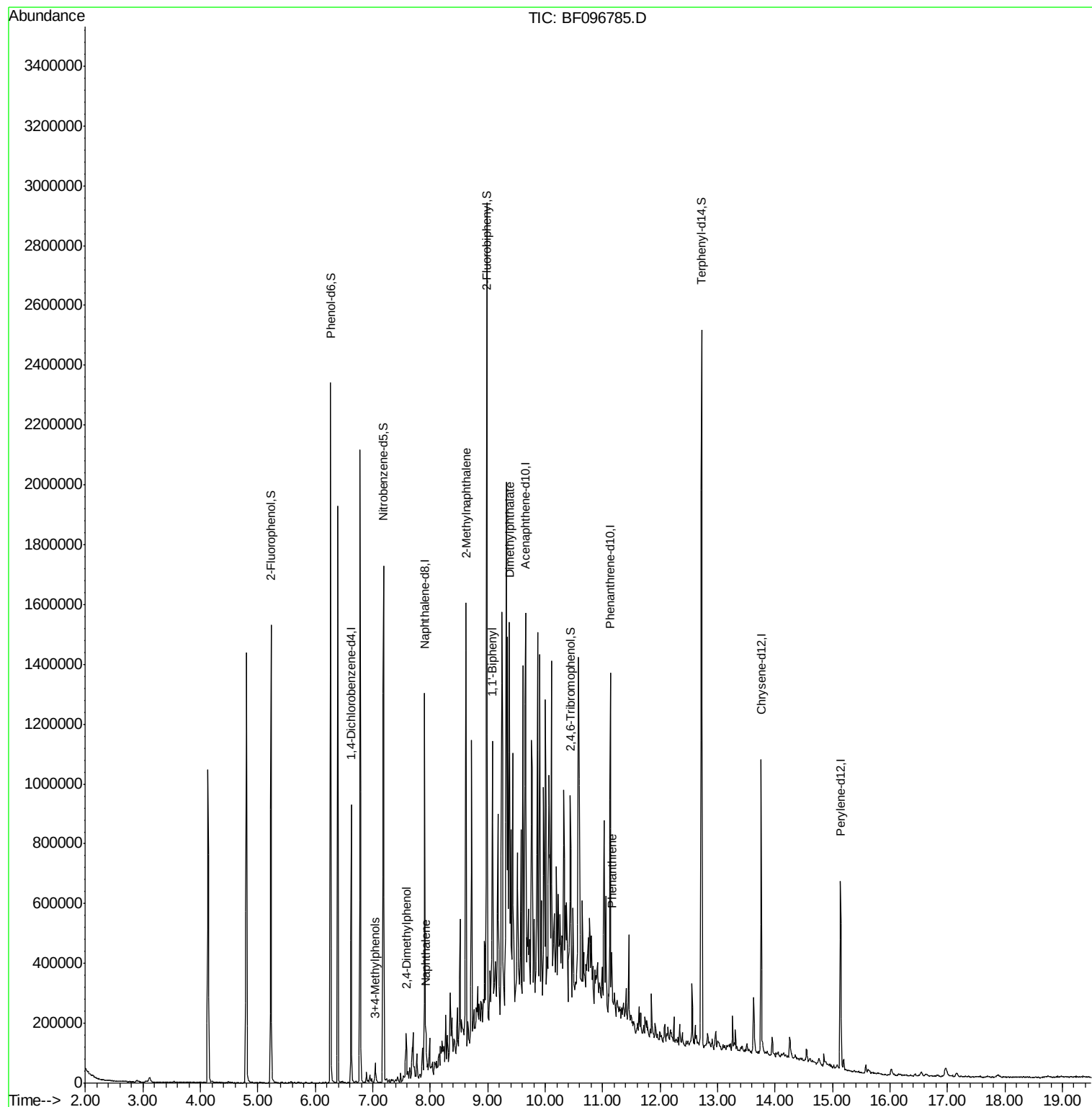
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071417\
Data File : BF096785.D
Acq On : 14 Jul 2017 21:35
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Sample : I4172-08
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ALS Vial : 8 Sample Multiplier: 1

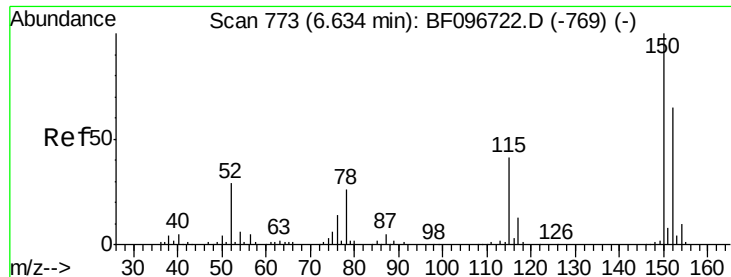
Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-BATCH-15

Manual Integrations
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Quant Time: Jul 17 04:15:35 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

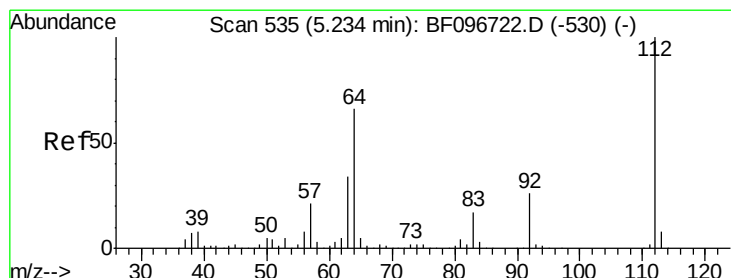
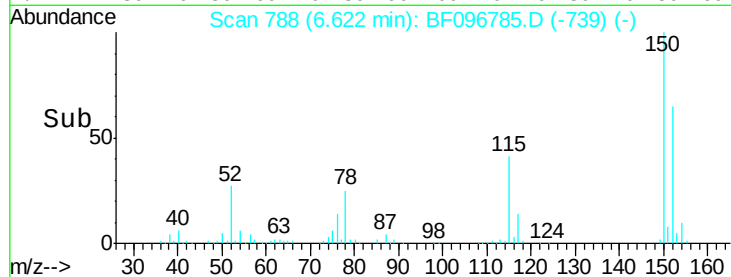
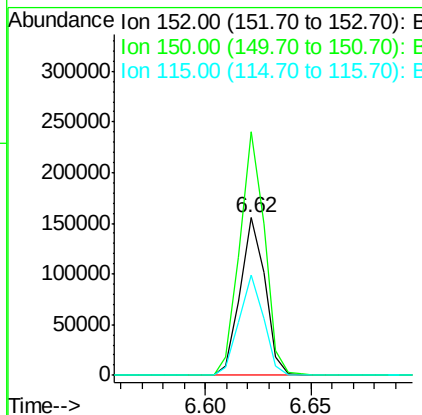
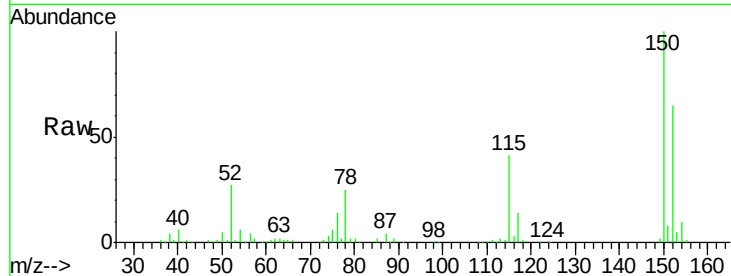
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.62 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF096785.D
Acq: 14 Jul 2017 21:35

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

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.6	126.2	189.2
115	63.9	52.2	78.2

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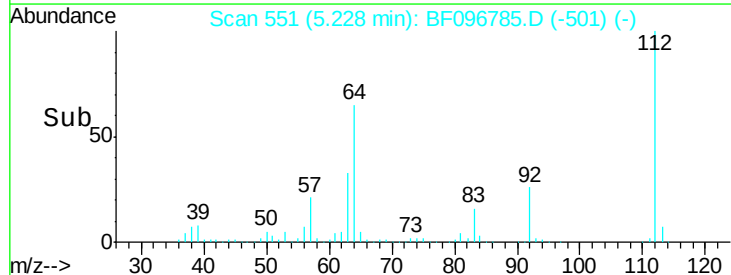
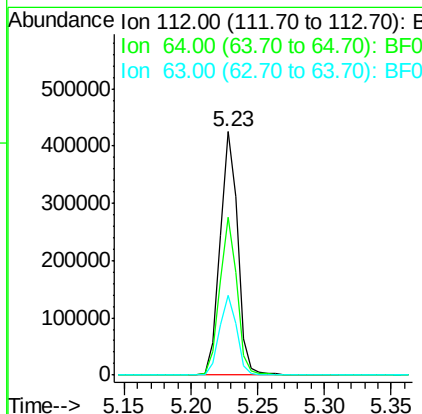
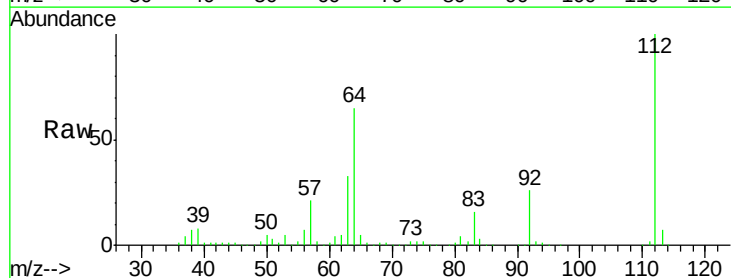
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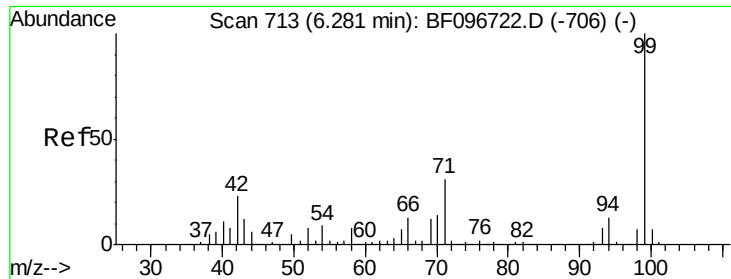


#5

2-Fluorophenol
Concen: 47.325 ng
RT: 5.23 min Scan# 551
Delta R.T. -0.01 min
Lab File: BF096785.D
Acq: 14 Jul 2017 21:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.1	46.0	69.0
63	32.5	23.4	35.0





#7

Phenol-d6

Concen: 83.546 ng

RT: 6.27 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF096785.D

Acq: 14 Jul 2017 21:35

Instrument :

BNA_F

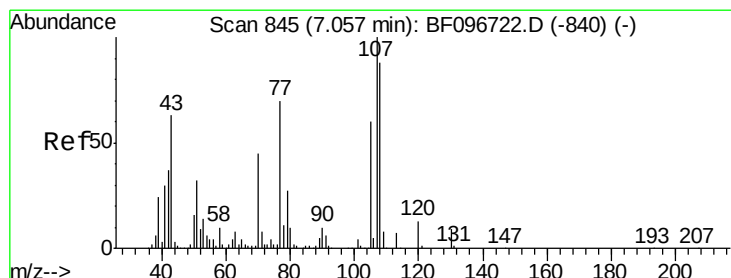
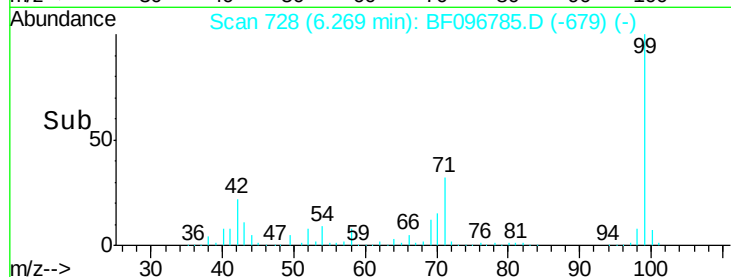
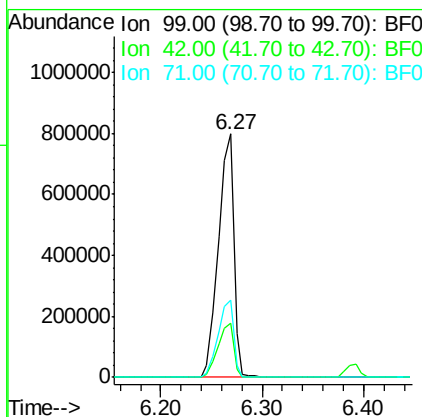
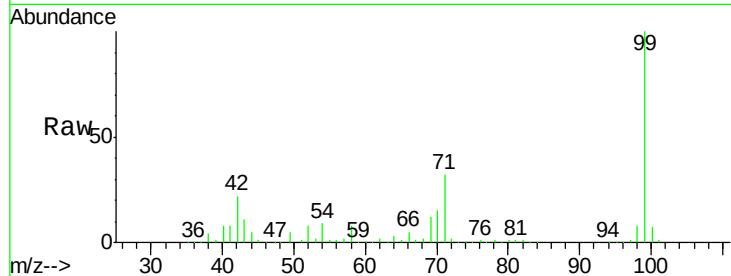
ClientSampleId :

E2-CONCRETE-BATCH-15

Tgt Ion:	99	Resp:	850080
Ion Ratio	Lower	Upper	
99	100		
42	22.2	13.5	20.3#
71	31.9	24.5	36.7

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#20

3+4-Methylphenols

Concen: 2.095 ng

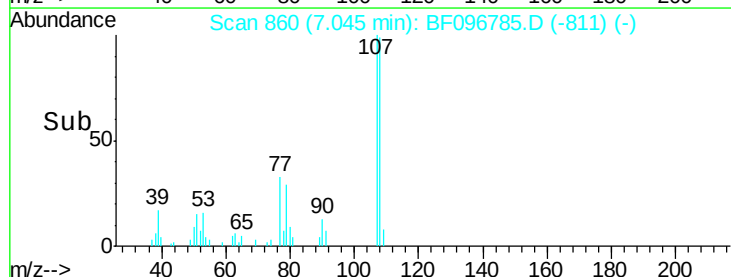
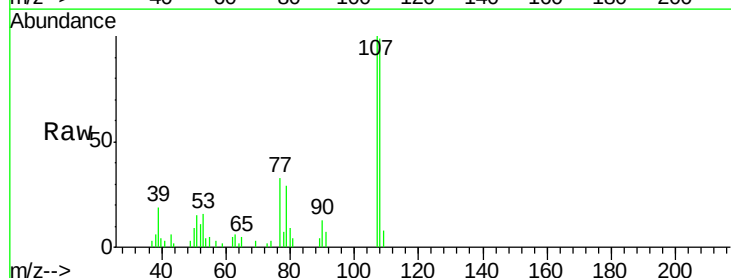
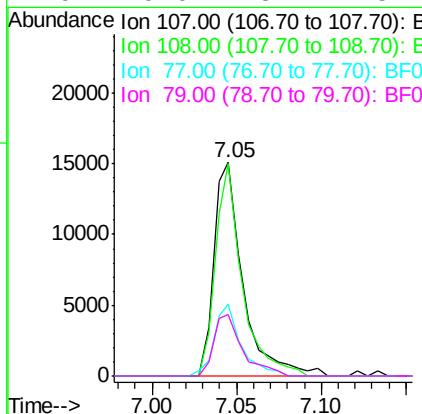
RT: 7.05 min Scan# 860

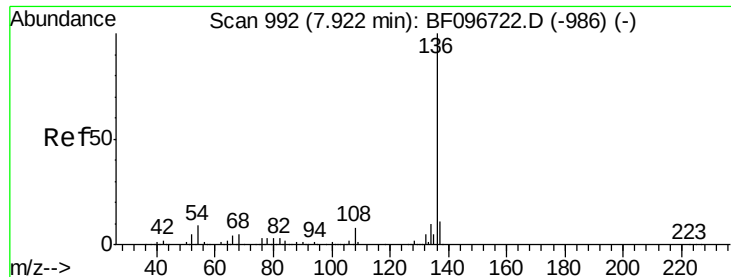
Delta R.T. -0.01 min

Lab File: BF096785.D

Acq: 14 Jul 2017 21:35

Tgt Ion:	107	Resp:	18079
Ion Ratio	Lower	Upper	
107	100		
108	99.4	71.0	111.0
77	33.4	90.5	130.5#
79	29.0	8.4	48.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.90 min Scan# 1006

Delta R.T. -0.02 min

Lab File: BF096785.D

Acq: 14 Jul 2017 21:35

Instrument :

BNA_F

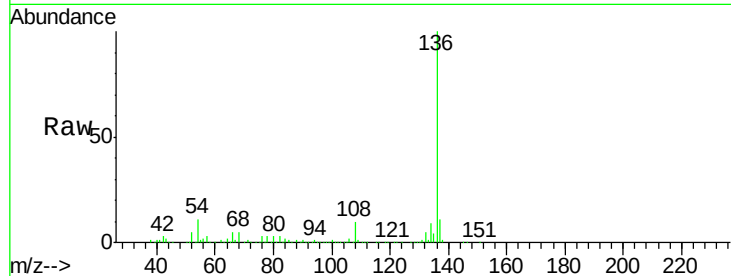
ClientSampleId :

E2-CONCRETE-BATCH-15

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	10.8	4.9	7.3#
68	5.2	4.1	6.1

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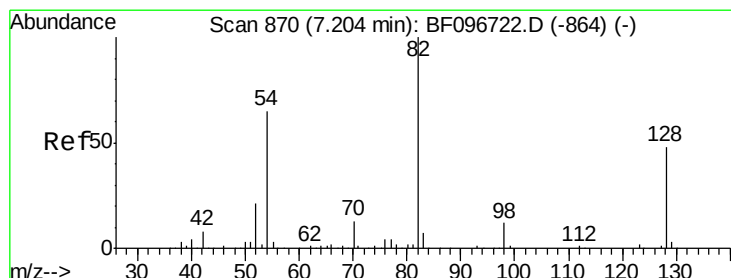
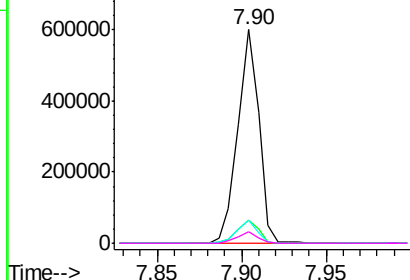
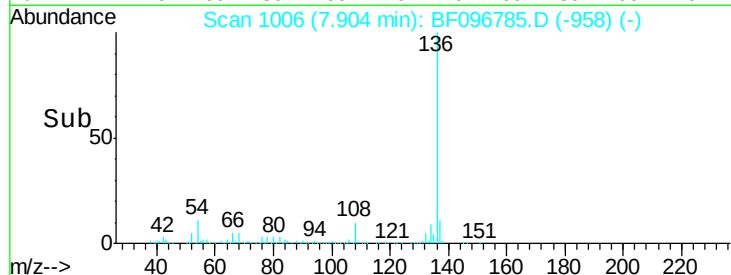


Abundance Ion 136.00 (135.70 to 136.70): E

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: 62.298 ng

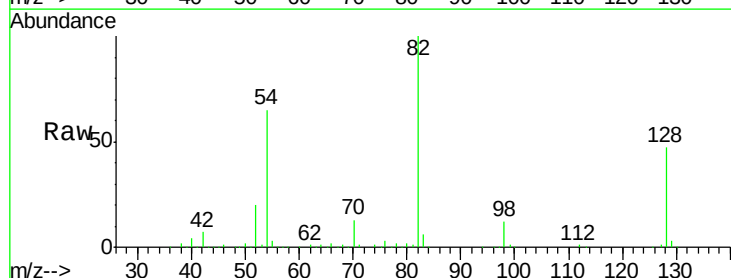
RT: 7.19 min Scan# 884

Delta R.T. -0.02 min

Lab File: BF096785.D

Acq: 14 Jul 2017 21:35

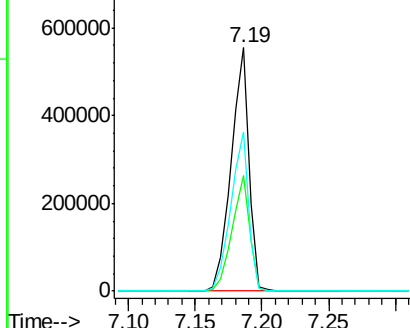
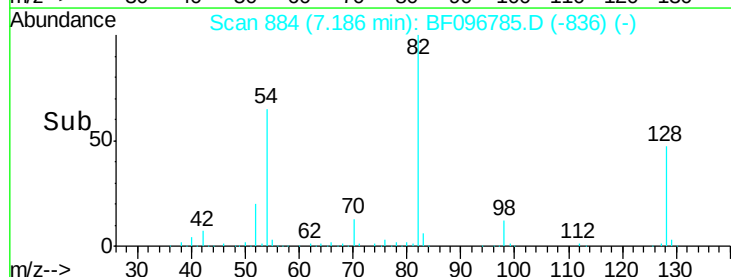
Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.3	34.0	51.0
54	65.3	42.2	63.2#

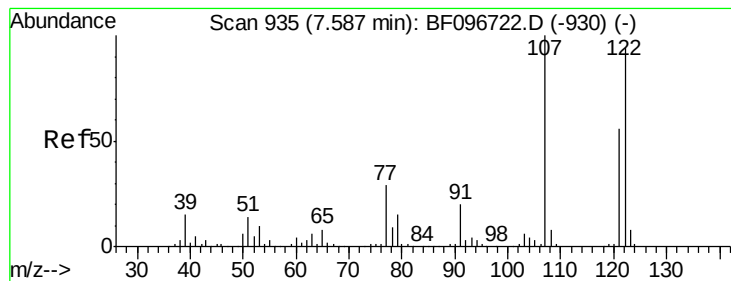


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





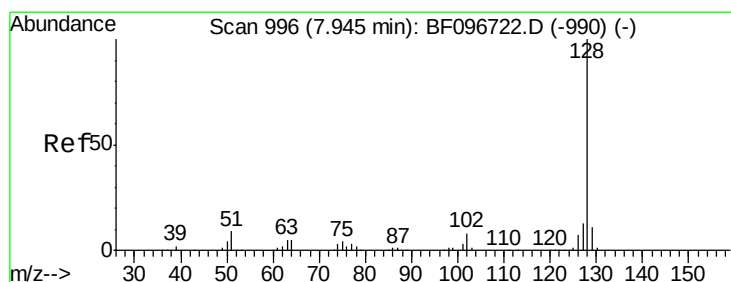
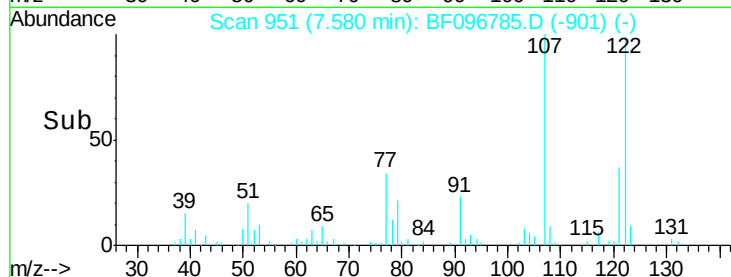
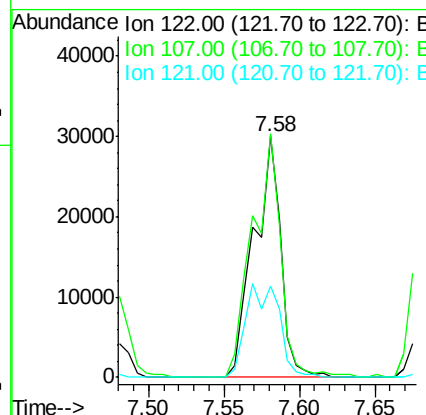
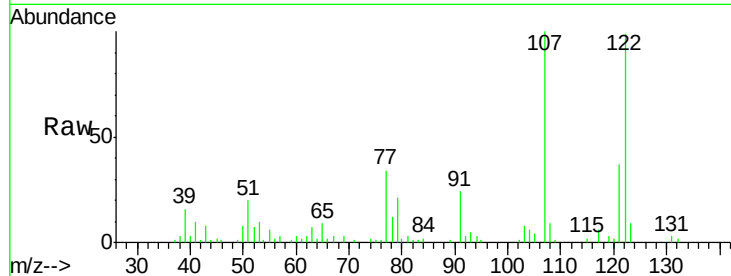
#27
2,4-Dimethylphenol
Concen: 4.677 ng m
RT: 7.58 min Scan# 951
Delta R.T. -0.01 min
Lab File: BF096785.D
Acq: 14 Jul 2017 21:35

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

Tgt Ion	Ratio	Lower	Upper
122	100		
107	101.2	89.2	133.8
121	37.9	45.2	67.8#

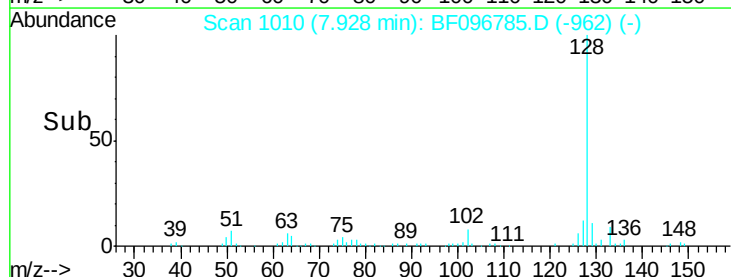
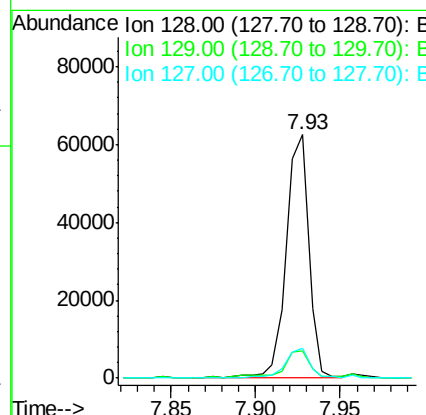
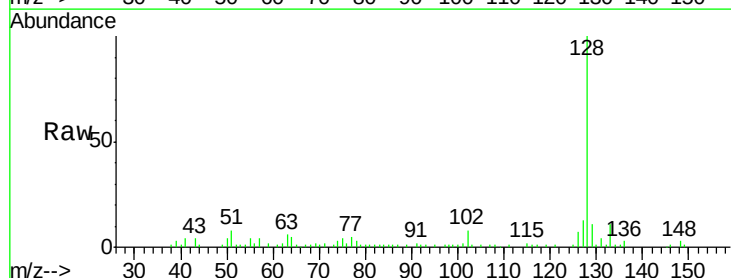
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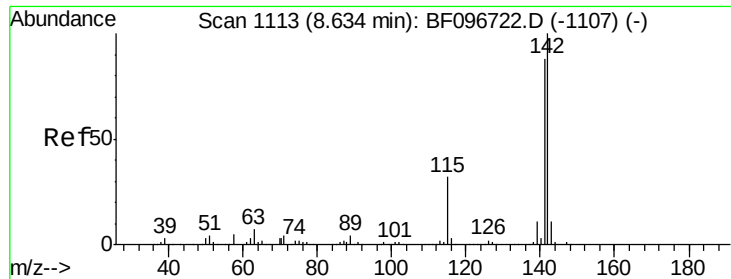
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#31
Naphthalene
Concen: 2.339 ng
RT: 7.93 min Scan# 1010
Delta R.T. -0.02 min
Lab File: BF096785.D
Acq: 14 Jul 2017 21:35

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.6
127	12.5	10.8	16.2





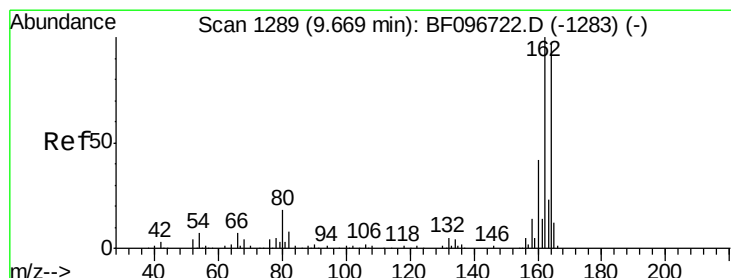
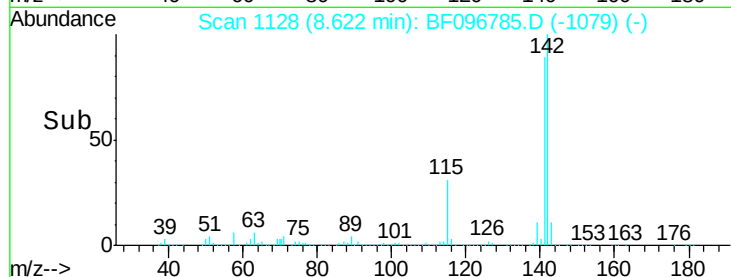
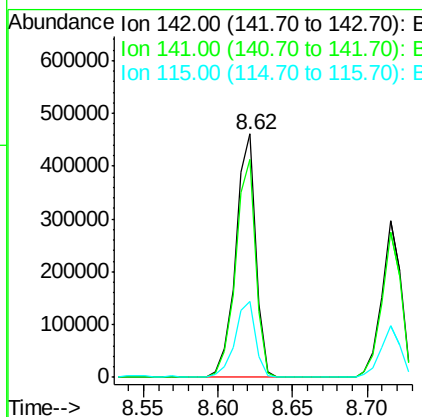
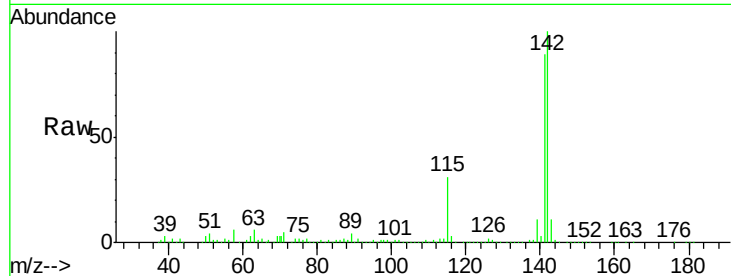
#37
 2-Methylnaphthalene
 Concen: 27.626 ng
 RT: 8.62 min Scan# 1128
 Delta R.T. -0.01 min
 Lab File: BF096785.D
 Acq: 14 Jul 2017 21:35

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

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	435133		
141	89.4	71.3	106.9	
115	31.4	27.1	40.7	

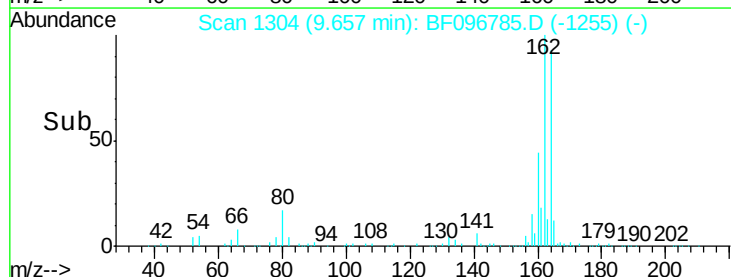
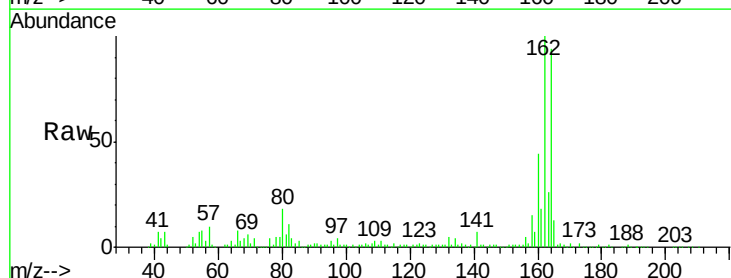
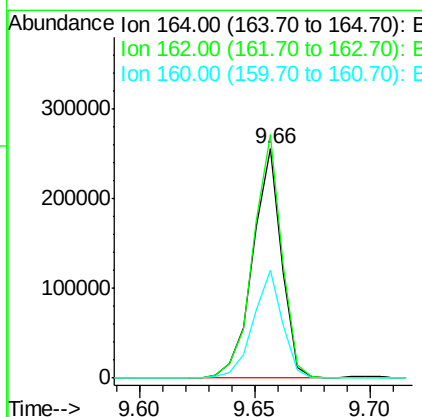
Manual Integrations
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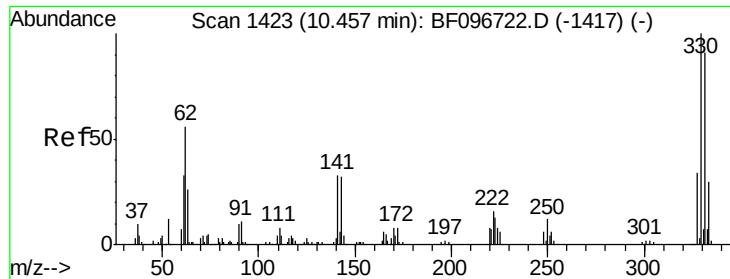
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.66 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF096785.D
 Acq: 14 Jul 2017 21:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	223254		
162	106.1	82.6	123.8	
160	46.9	36.2	54.2	





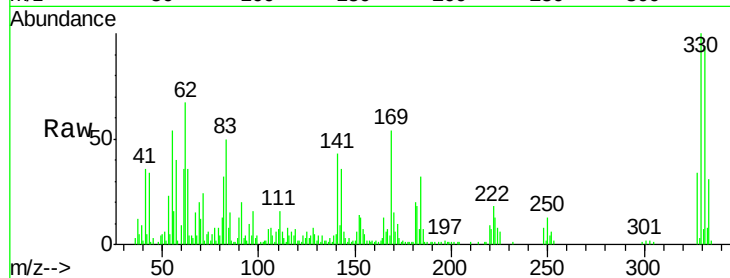
#41
 2,4,6-Tribromophenol
 Concen: 25.608 ng
 RT: 10.44 min Scan# 1437
 Delta R.T. -0.02 min
 Lab File: BF096785.D
 Acq: 14 Jul 2017 21:35

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

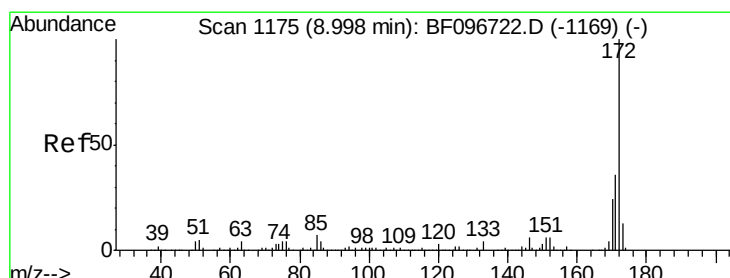
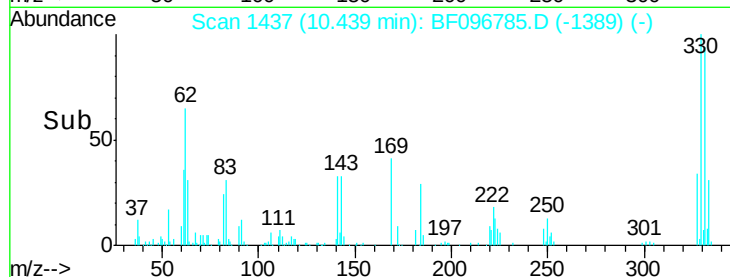
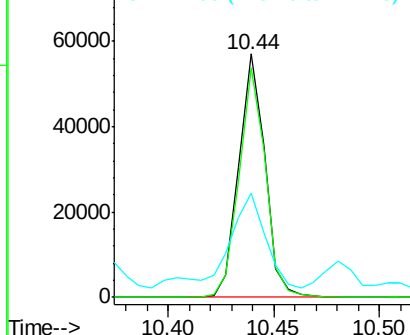
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	48801		
332	94.7	76.6	115.0	
141	56.8	31.4	47.2#	

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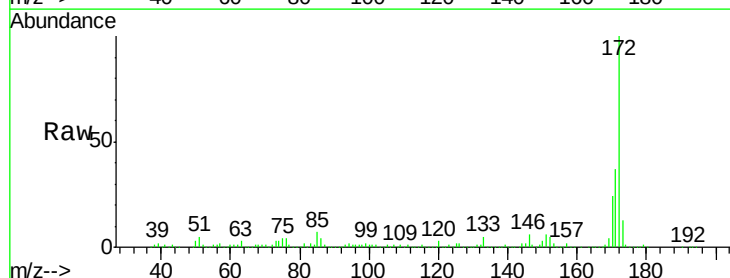


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

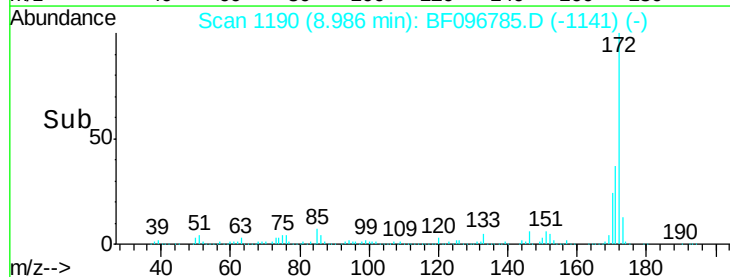
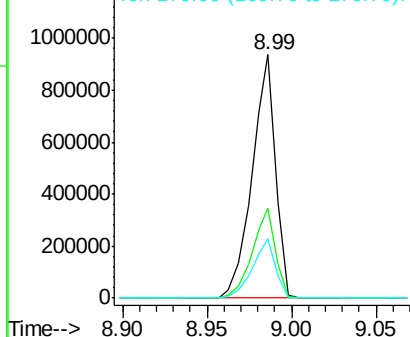


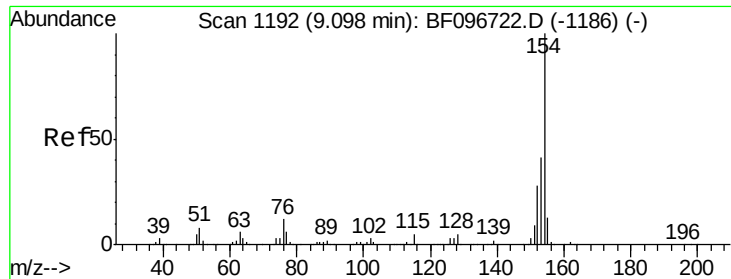
#44
 2-Fluorobiphenyl
 Concen: 63.869 ng
 RT: 8.99 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF096785.D
 Acq: 14 Jul 2017 21:35

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	902518		
171	37.0	29.6	44.4	
170	24.5	19.8	29.8	



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





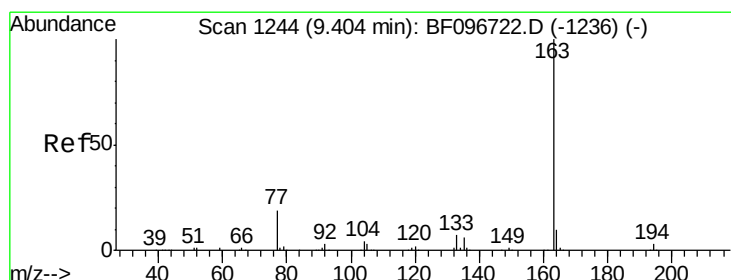
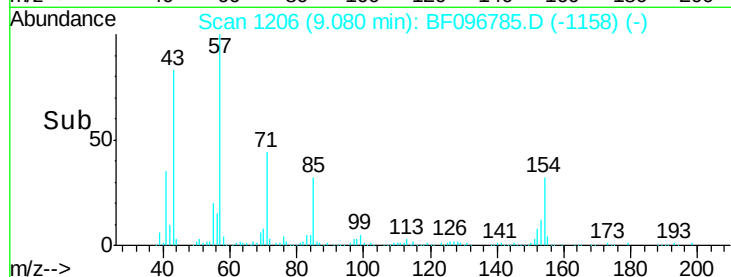
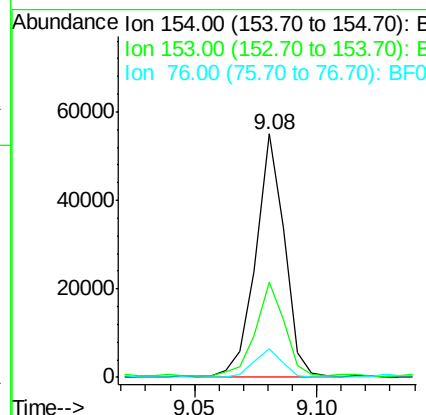
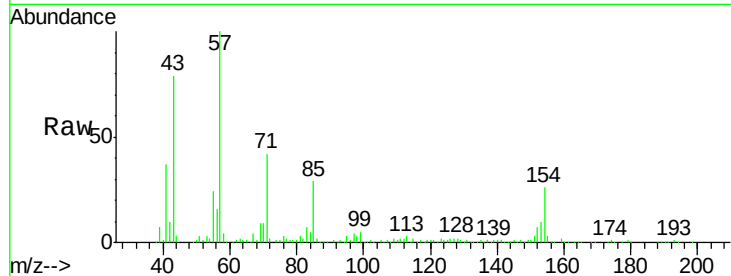
#45
 1,1'-Biphenyl
 Concen: 2.349 ng m
 RT: 9.08 min Scan# 1206
 Delta R.T. -0.02 min
 Lab File: BF096785.D
 Acq: 14 Jul 2017 21:35

Instrument :
 BNA_F
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 E2-CONCRETE-BATCH-15

Tgt Ion	Ratio	Lower	Upper
154	100		
153	38.9	21.2	61.2
76	11.6	0.0	29.9

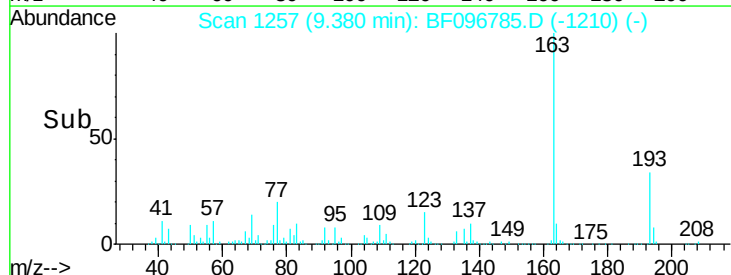
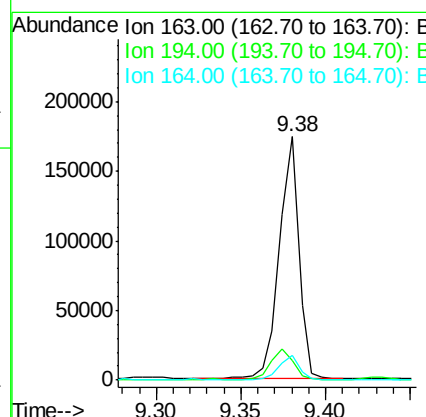
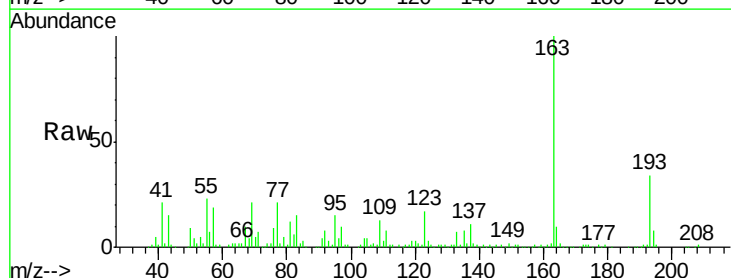
Manual Integrations
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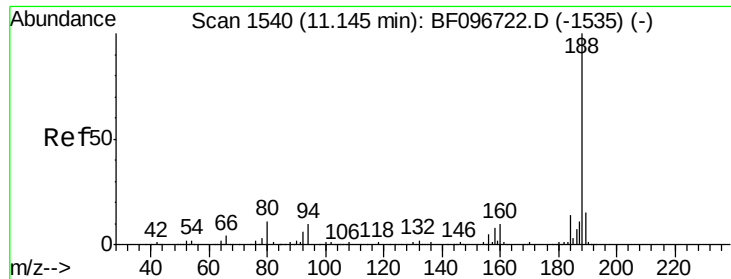
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#49
 Dimethylphthalate
 Concen: 8.365 ng
 RT: 9.38 min Scan# 1257
 Delta R.T. -0.02 min
 Lab File: BF096785.D
 Acq: 14 Jul 2017 21:35

Tgt Ion	Ratio	Lower	Upper
163	100		
194	8.0	2.6	4.0#
164	10.3	8.4	12.6





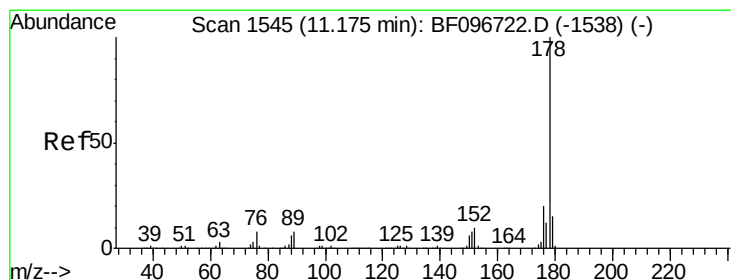
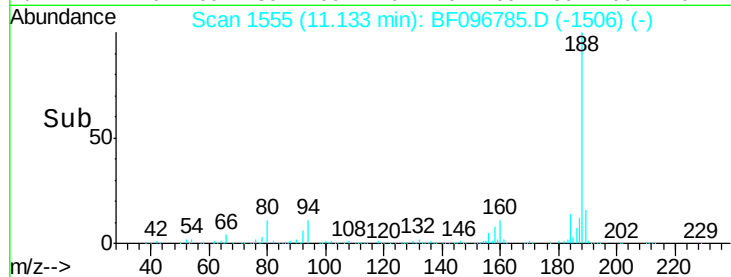
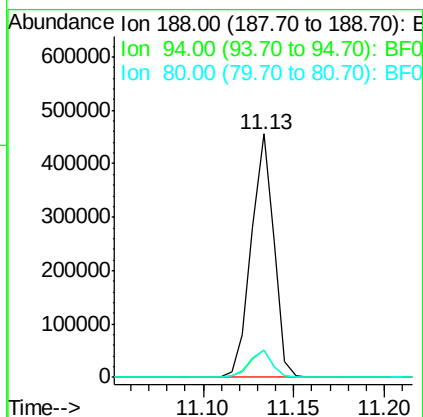
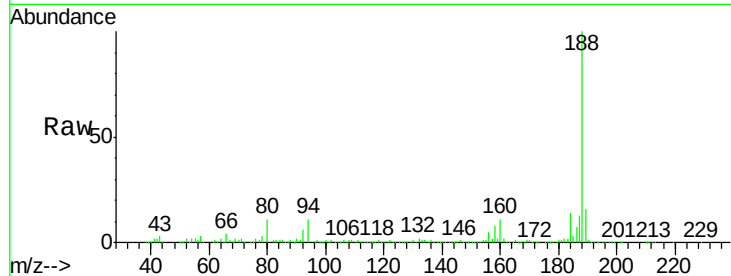
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.13 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF096785.D
Acq: 14 Jul 2017 21:35

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

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.2	9.4	14.2
80	11.2	10.2	15.2

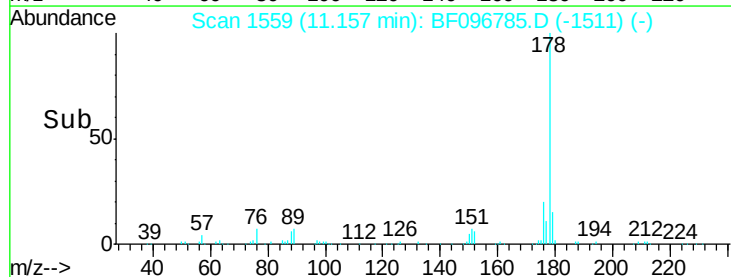
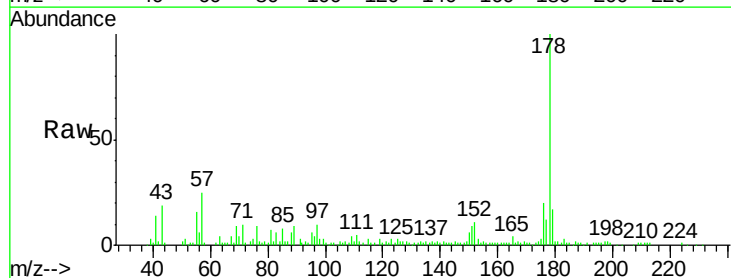
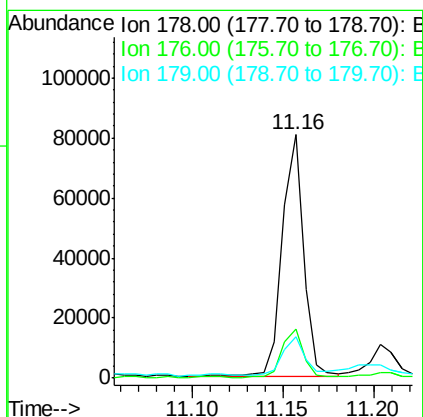
Manual Integrations
APPROVED

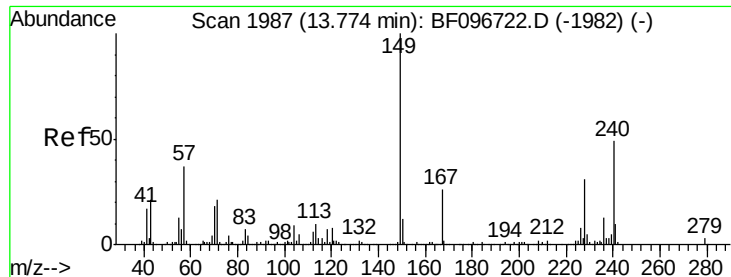
mohammad
7/17/2017 3:57:03 PM



#70
Phenanthrene
Concen: 3.064 ng
RT: 11.16 min Scan# 1559
Delta R.T. -0.02 min
Lab File: BF096785.D
Acq: 14 Jul 2017 21:35

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.9	16.2	24.4
179	16.8	12.6	19.0





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.76 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF096785.D

Acq: 14 Jul 2017 21:35

Instrument :

BNA_F

ClientSampleId :

E2-CONCRETE-BATCH-15

Tgt Ion:240 Resp: 346389

Ion Ratio Lower Upper

240 100

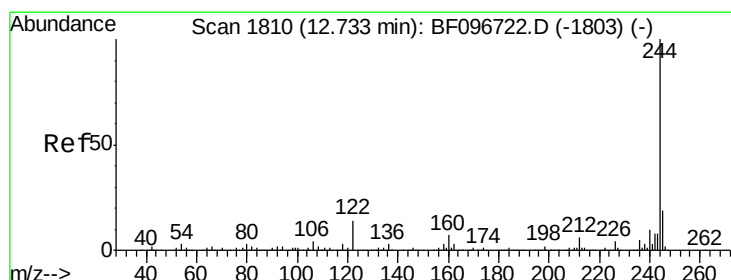
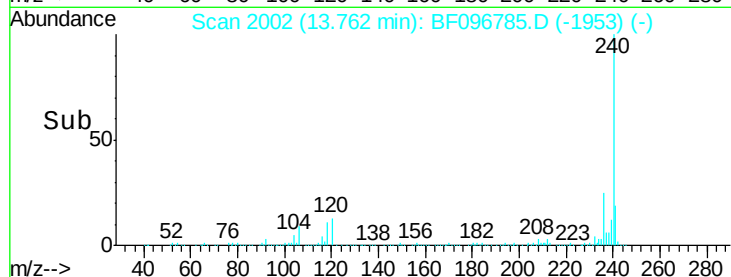
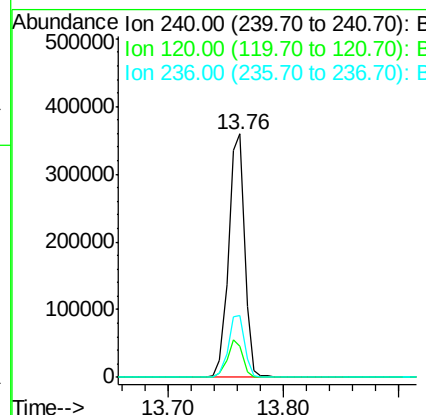
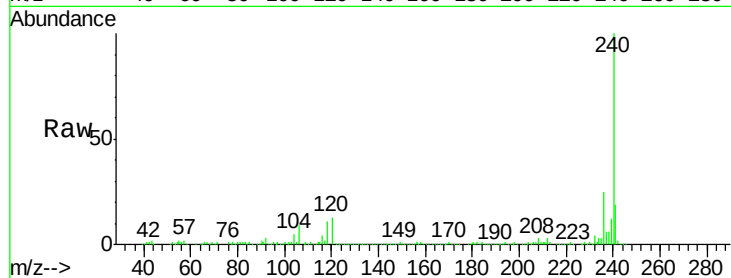
120 13.0 5.8 8.8#

236 25.2 20.5 30.7

Manual Integrations
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7/17/2017 3:57:03 PM



#78

Terphenyl-d14

Concen: 39.219 ng

RT: 12.72 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF096785.D

Acq: 14 Jul 2017 21:35

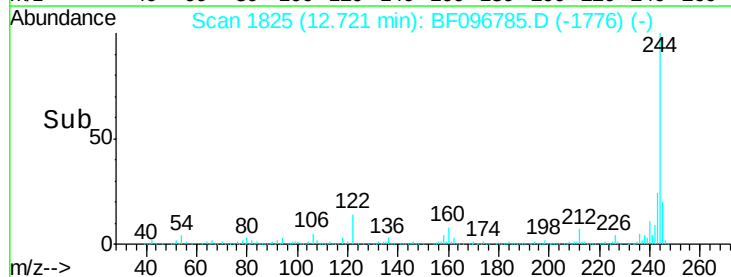
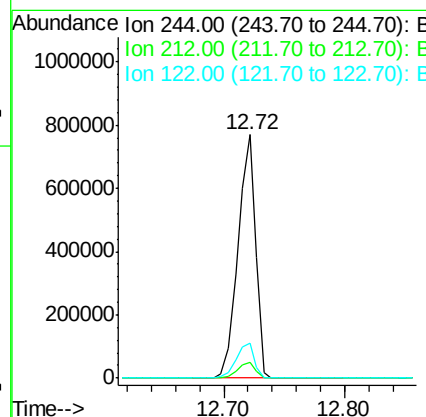
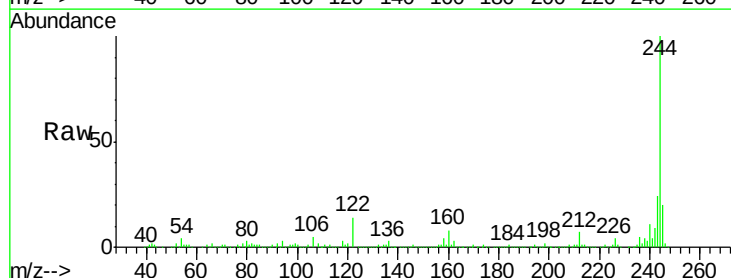
Tgt Ion:244 Resp: 783340

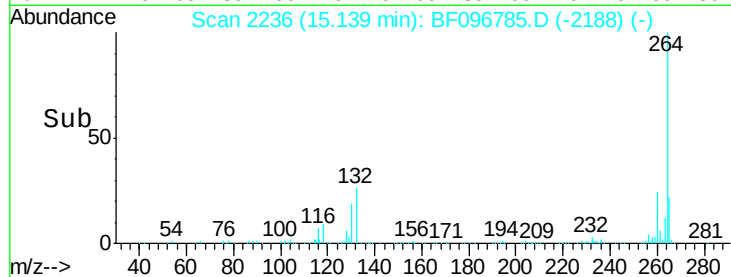
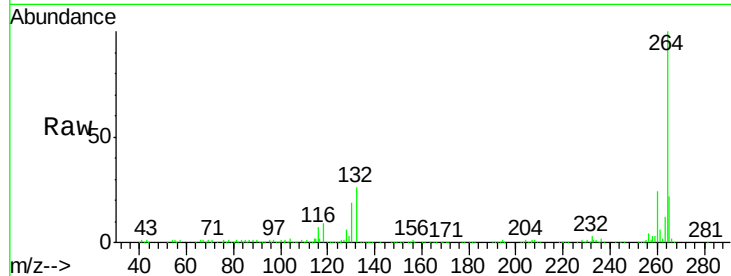
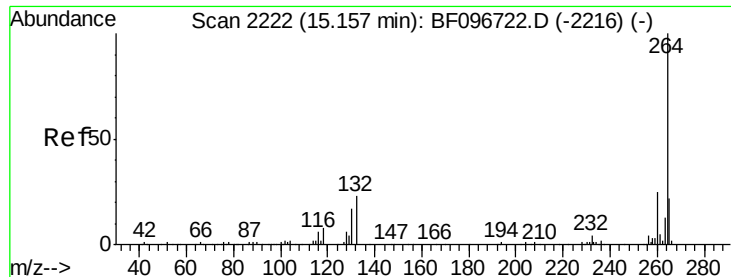
Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

122 14.4 10.3 15.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.14 min Scan# 2236
Delta R.T. -0.02 min
Lab File: BF096785.D
Acq: 14 Jul 2017 21:35

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	253970		
260	23.7		19.5	29.3
265	21.8		17.2	25.8

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

Manual Integrations
APPROVED

mohammad
7/17/2017 3:57:03 PM

