

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041117\
 Data File : BF094361.D
 Acq On : 11 Apr 2017 20:19
 Operator : SJ/MA
 Sample : I2622-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-CONCRETE-BATCH-5

Manual Integrations
 APPROVED

mohammad
 4/12/2017 5:11:49 PM

Quant Time: Apr 12 10:26:31 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 06 13:20:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.82	152	142218	20.00	ng	-0.04
21) Naphthalene-d8	7.33	136	532115	20.00	ng	-0.04
38) Acenaphthene-d10	9.47	164	192623	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	401553	20.00	ng	-0.02
75) Chrysene-d12	14.54	240	292355	20.00	ng	-0.03
86) Perylene-d12	16.17	264	247644	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.39	112	3245	0.39	ng	0.00
7) Phenol-d6	5.45	99	57154	5.49	ng	-0.01
23) Nitrobenzene-d5	6.47	82	638406	68.47	ng	-0.04
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	8.66	172	1089560	86.28	ng	-0.03
78) Terphenyl-d14	13.28	244	875699	67.14	ng	-0.02
Target Compounds						
10) Phenol	5.46	94	23823	2.01	ng	Qvalue 99
17) 2-Methylphenol	6.15	107	75774	9.56	ng	97
20) 3+4-Methylphenols	6.33	107	64240	6.69	ng	# 63
27) 2,4-Dimethylphenol	6.97	122	61189m	8.10	ng	
37) 2-Methylnaphthalene	8.20	142	415806	24.38	ng	98
49) Dimethylphthalate	9.15	163	156095	11.40	ng	# 98
51) Acenaphthene	9.52	154	45193m	3.83	ng	
54) Dibenzofuran	9.73	168	61266m	3.82	ng	
57) Fluorene	10.15	166	138125	10.37	ng	# 90
70) Phenanthrene	11.35	178	2096718	93.87	ng	99
71) Anthracene	11.40	178	363306m	15.80	ng	
74) Fluoranthene	12.80	202	495839	21.68	ng	99
77) Pvrene	13.08	202	1711976	80.69	ng	99
80) Benzo(a)anthracene	14.53	228	240246	14.09	ng	# 95
82) Chrysene	14.58	228	384926	24.33	ng	# 93
87) Benzo(b)fluoranthene	15.76	252	51100m	3.37	ng	
89) Benzo(a)pvrene	16.11	252	35432	2.53	ng	# 92

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

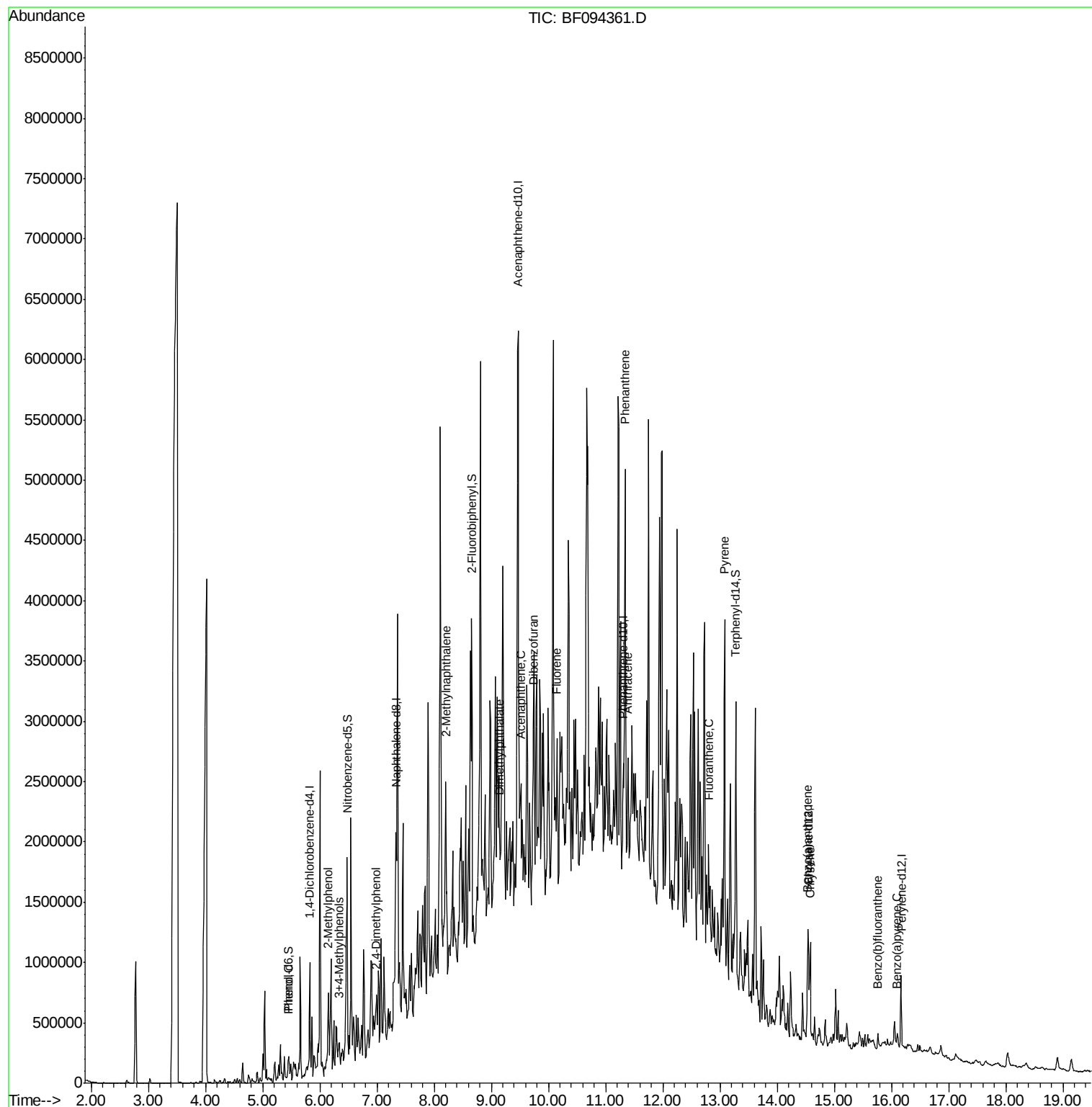
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041117\
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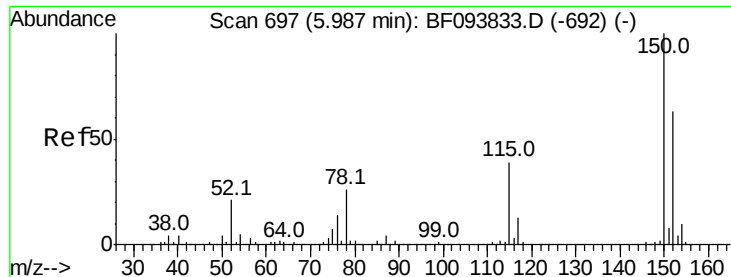
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#1

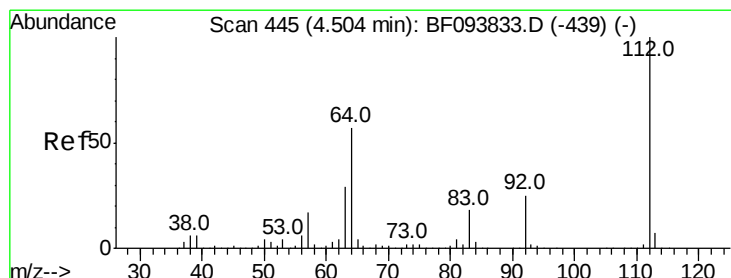
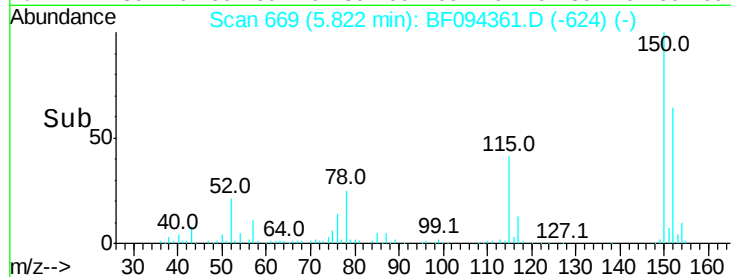
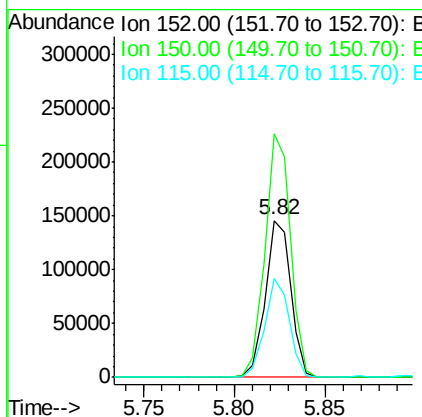
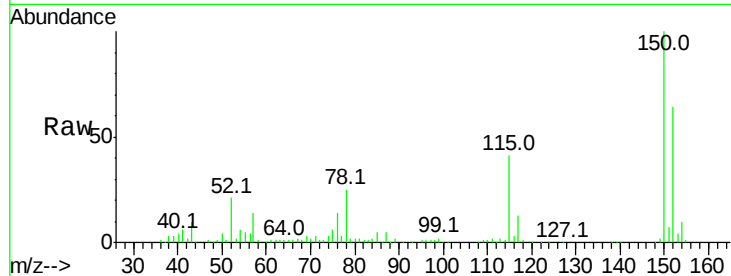
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.82 min Scan# 669
Delta R.T. -0.04 min
Lab File: BF094361.D
Acq: 11 Apr 2017 20:19

Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-BATCH-5

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	126.2	189.2
115	63.0	52.2	78.2

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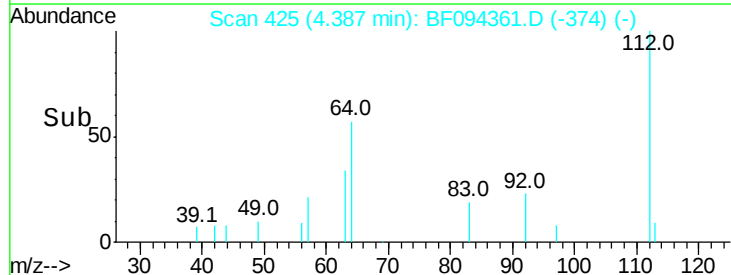
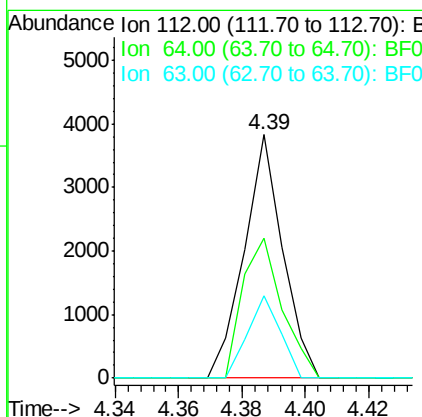
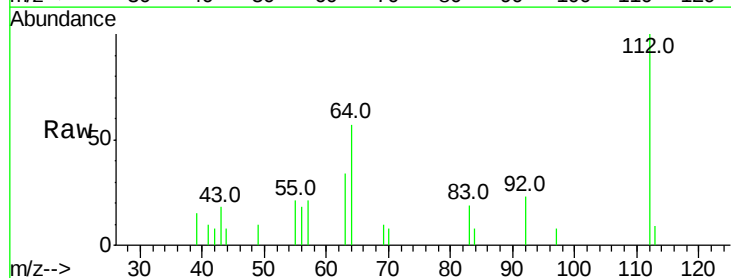
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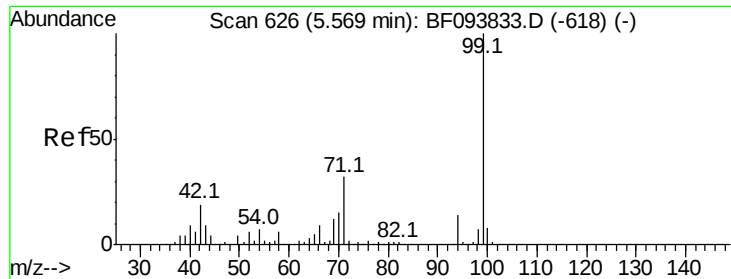


#5

2-Fluorophenol
Concen: 0.39 ng
RT: 4.39 min Scan# 425
Delta R.T. -0.00 min
Lab File: BF094361.D
Acq: 11 Apr 2017 20:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	46.0	69.0
63	33.6	23.4	35.0





#7

Phenol-d6

Concen: 5.49 ng

RT: 5.45 min Scan# 606

Delta R.T. -0.01 min

Lab File: BF094361.D

Acq: 11 Apr 2017 20:19

Instrument :

BNA_F

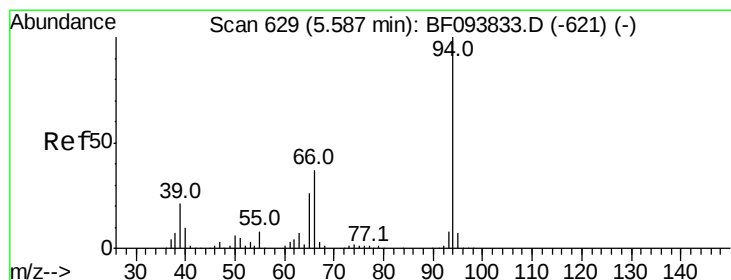
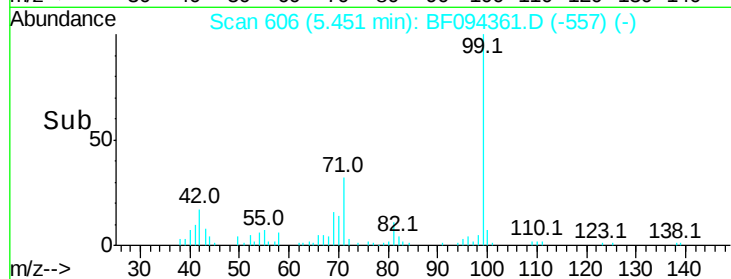
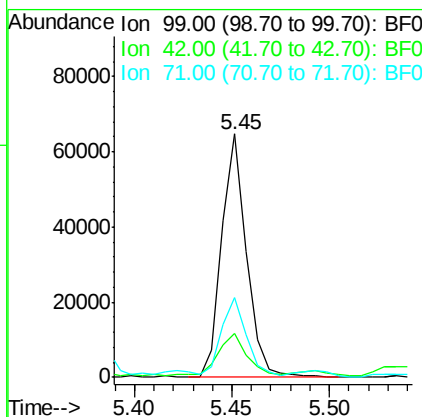
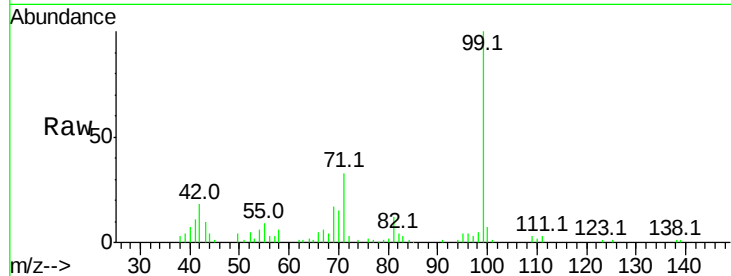
ClientSampleId :

E2-CONCRETE-BATCH-5

Tot Ion:	99	Resp:	57154
Ion Ratio	Lower	Upper	
99	100		
42	17.8	13.5	20.3
71	32.6	24.5	36.7

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#10

Phenol

Concen: 2.01 ng

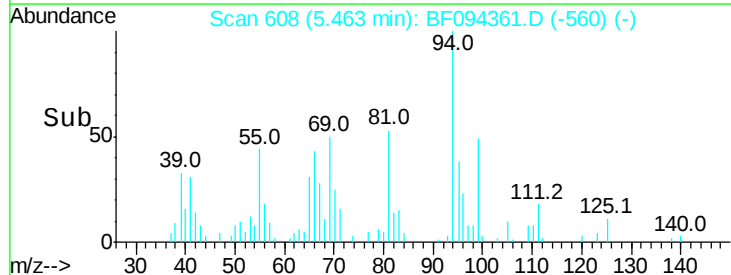
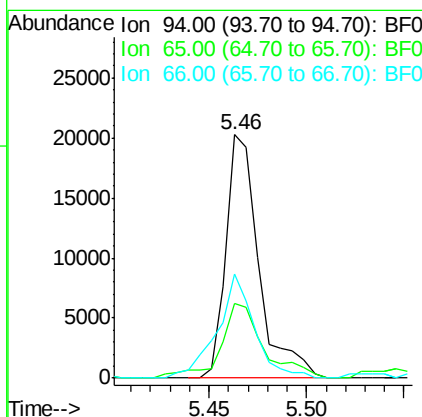
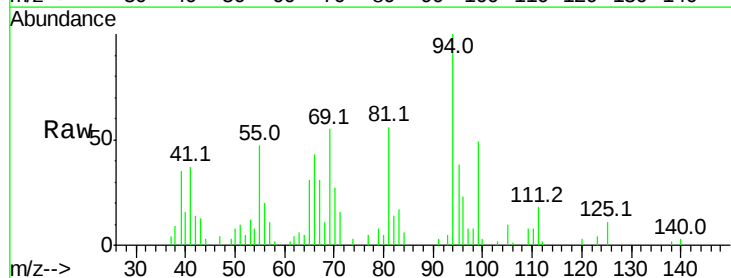
RT: 5.46 min Scan# 608

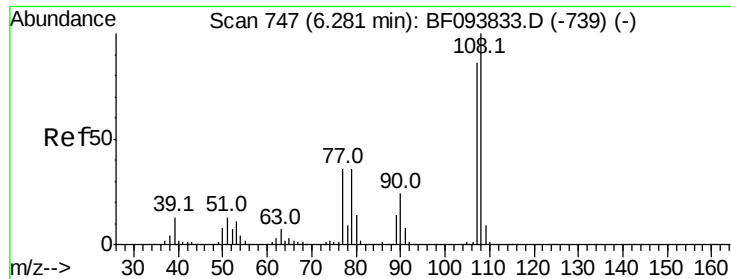
Delta R.T. -0.02 min

Lab File: BF094361.D

Acq: 11 Apr 2017 20:19

Tgt Ion:	94	Resp:	23823
Ion Ratio	Lower	Upper	
94	100		
65	30.6	9.9	49.9
66	42.9	23.1	63.1





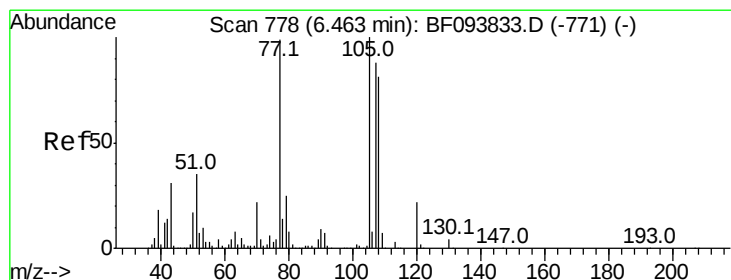
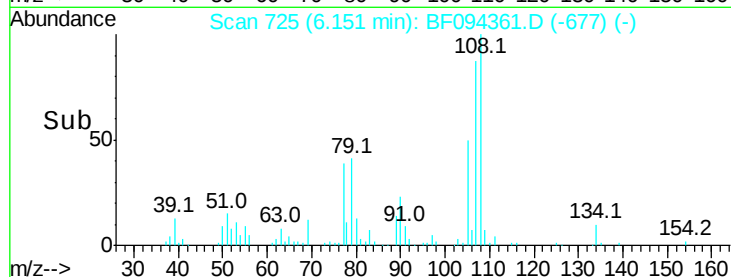
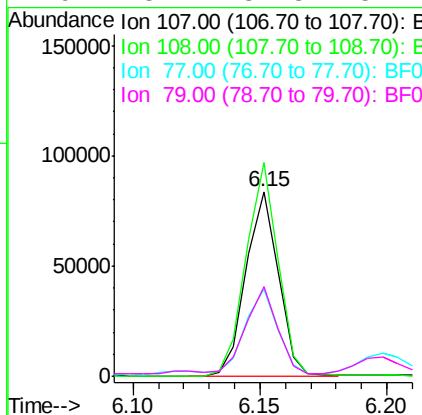
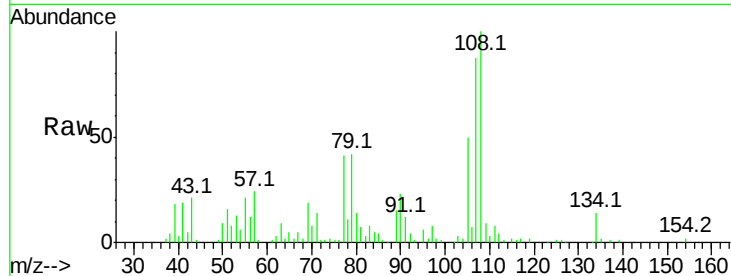
#17
2-Methylphenol
Concen: 9.56 ng
RT: 6.15 min Scan# 725
Delta R.T. -0.02 min
Lab File: BF094361.D
Acq: 11 Apr 2017 20:19

Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-BATCH-5

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	115.5	93.4	140.0	
77	47.2	35.8	53.6	
79	48.2	34.8	52.2	

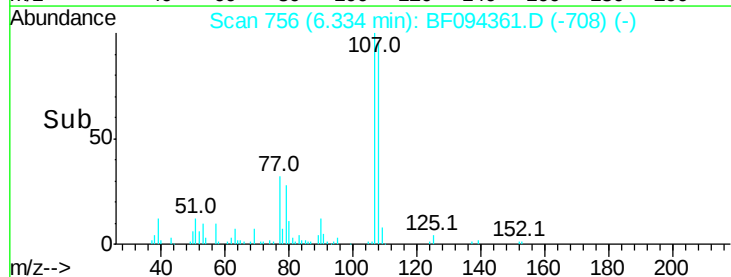
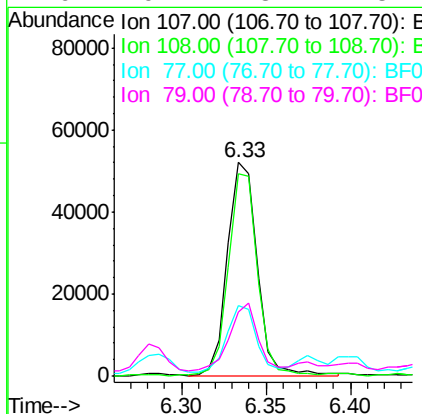
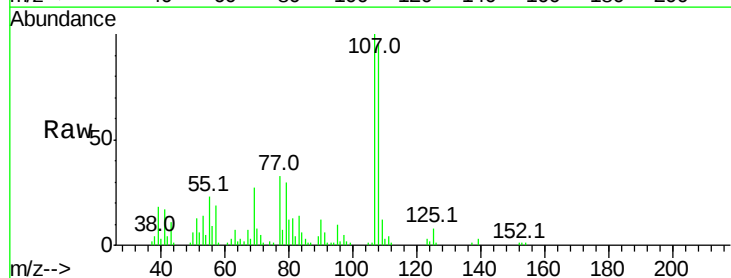
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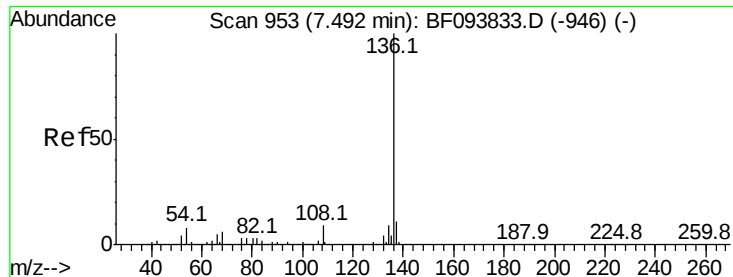
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#20
3+4-Methylphenols
Concen: 6.69 ng
RT: 6.33 min Scan# 756
Delta R.T. -0.02 min
Lab File: BF094361.D
Acq: 11 Apr 2017 20:19

Tgt Ion	Ratio	Resp	Lower	Upper
107	100			
108	94.9	71.0	111.0	
77	32.9	90.5	130.5#	
79	29.7	8.4	48.4	





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.33 min Scan# 925

Delta R.T. -0.04 min

Lab File: BF094361.D

Acq: 11 Apr 2017 20:19

Instrument :

BNA_F

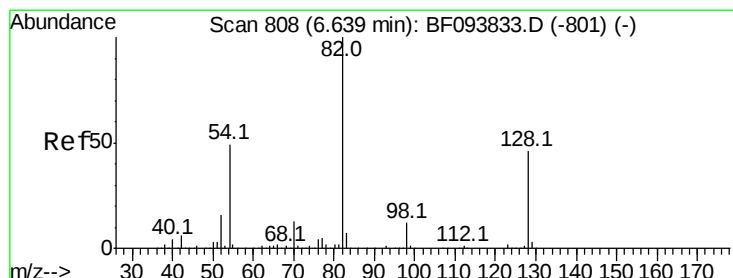
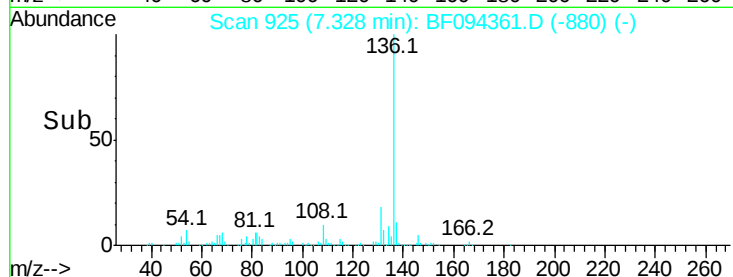
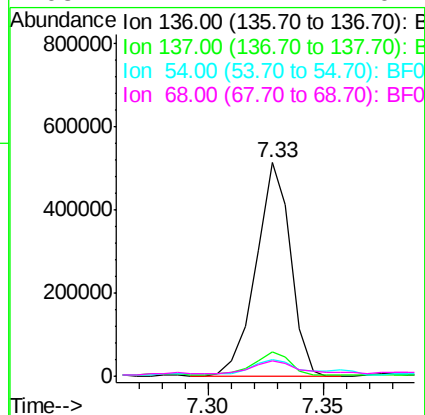
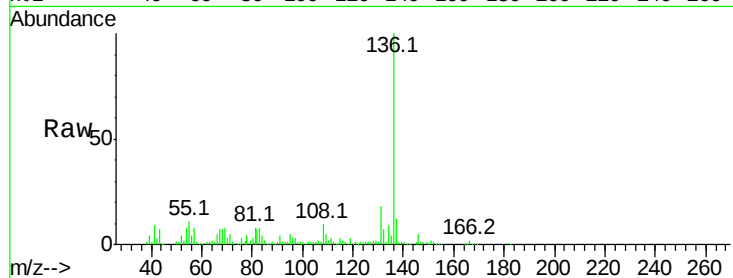
ClientSampleId :

E2-CONCRETE-BATCH-5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		532115		
137	11.6	8.5	12.7		
54	8.1	4.9	7.3#		
68	7.1	4.1	6.1#		

Manual Integrations
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#23

Nitrobenzene-d5

Concen: 68.47 ng

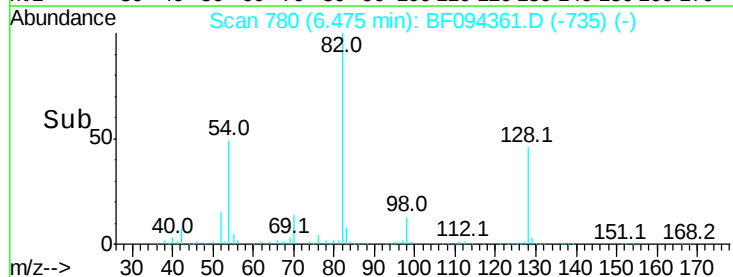
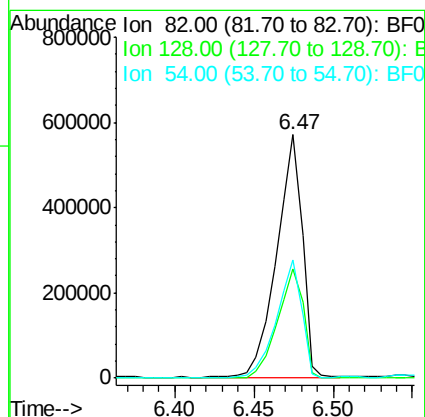
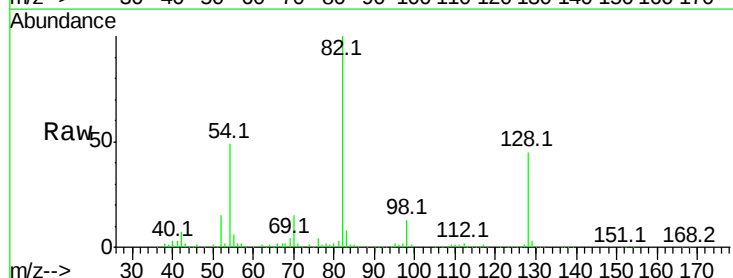
RT: 6.47 min Scan# 780

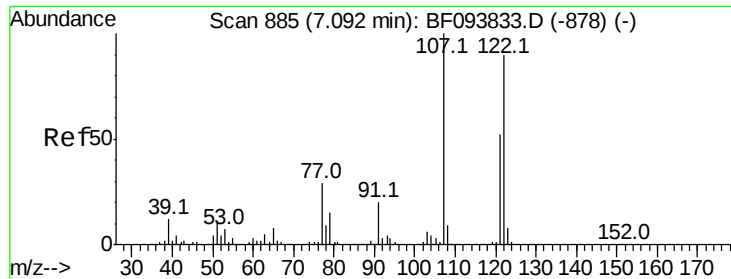
Delta R.T. -0.04 min

Lab File: BF094361.D

Acq: 11 Apr 2017 20:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		638406		
128	45.1	34.0	51.0		
54	48.6	42.2	63.2		





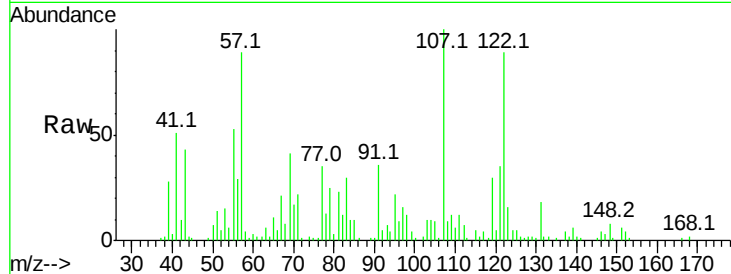
#27
2,4-Dimethylphenol
Concen: 8.10 ng/ml
RT: 6.97 min Scan# 864
Delta R.T. -0.01 min
Lab File: BF094361.D
Acq: 11 Apr 2017 20:19

Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-BATCH-5

Tot Ion	Ratio	Lower	Upper
122	100		
107	112.9	89.2	133.8
121	39.5	45.2	67.8

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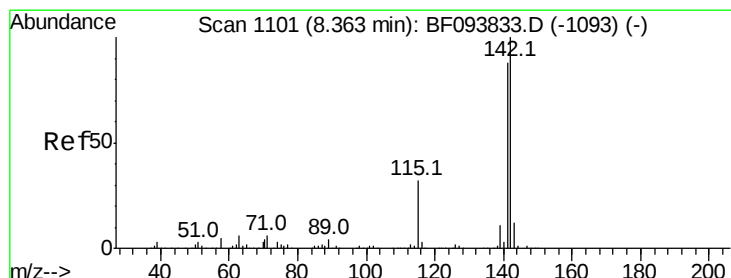
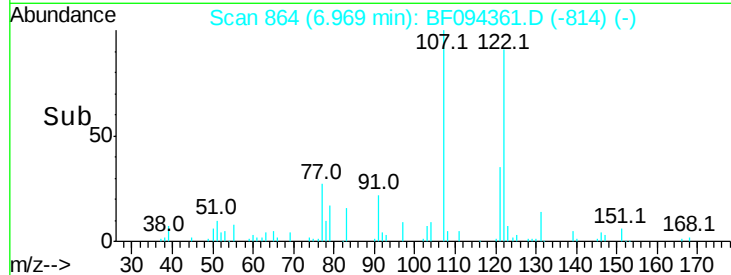
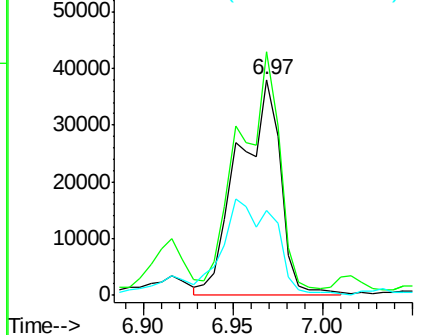


Abundance

Ion 122.00 (121.70 to 122.70): E

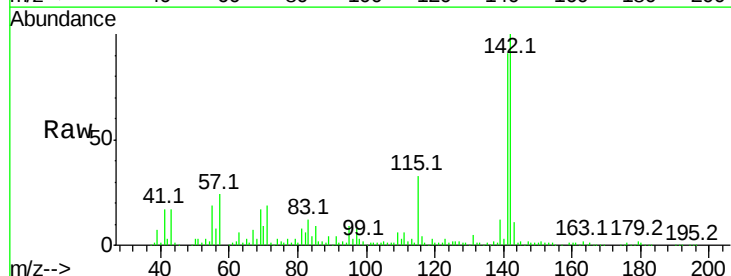
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#37
2-Methylnaphthalene
Concen: 24.38 ng/ml
RT: 8.20 min Scan# 1074
Delta R.T. -0.02 min
Lab File: BF094361.D
Acq: 11 Apr 2017 20:19

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.4	71.3	106.9
115	32.7	27.1	40.7

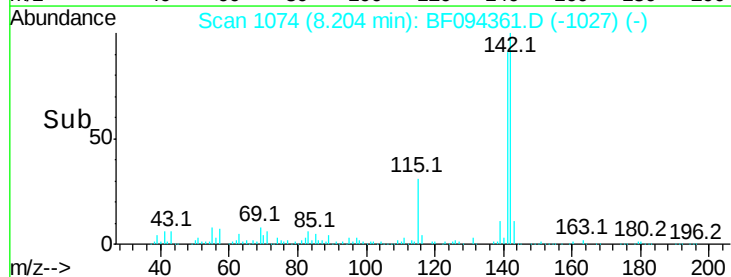
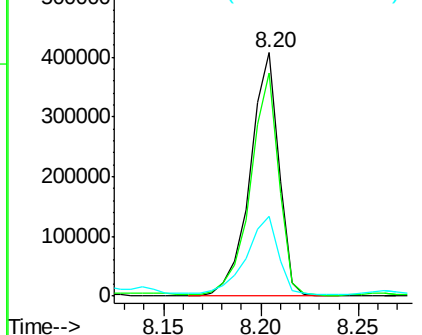


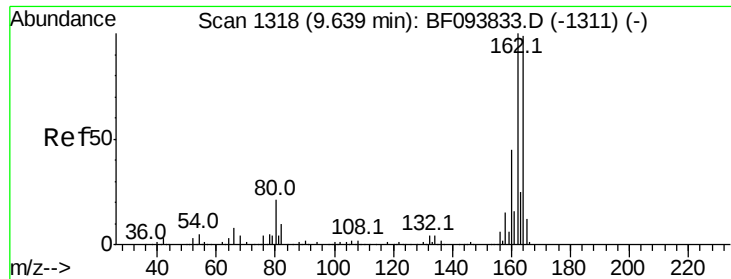
Abundance

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: 9.47 min Scan# 1290

Delta R.T. -0.02 min

Lab File: BF094361.D

Acq: 11 Apr 2017 20:19

Instrument :

BNA_F

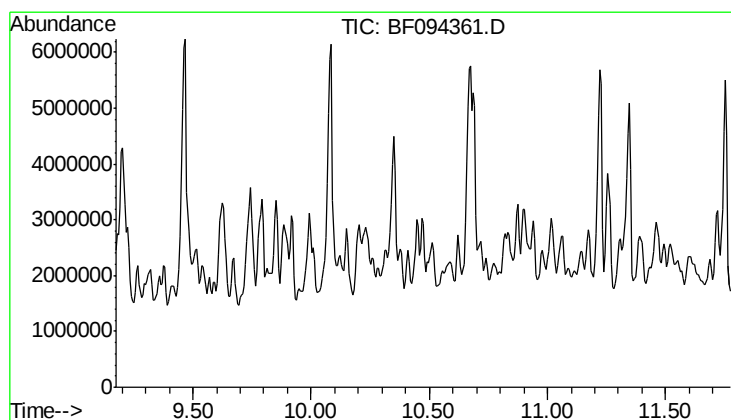
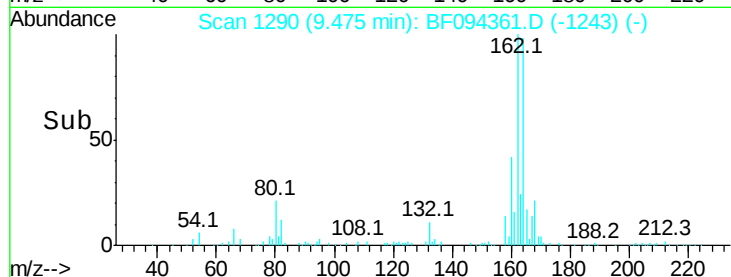
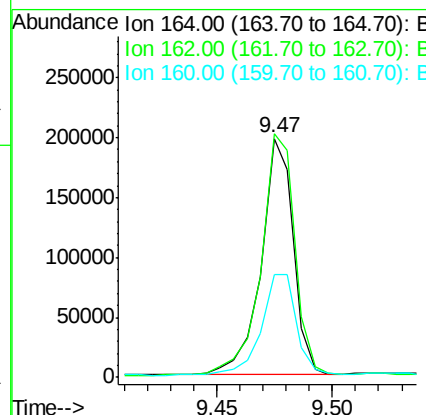
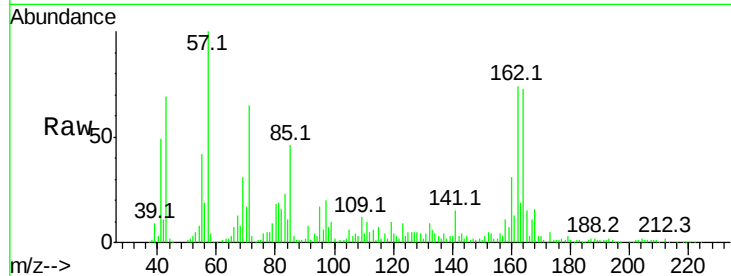
ClientSampleId :

E2-CONCRETE-BATCH-5

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.0	82.6	123.8
160	43.2	36.2	54.2

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#41

2,4,6-Tribromophenol

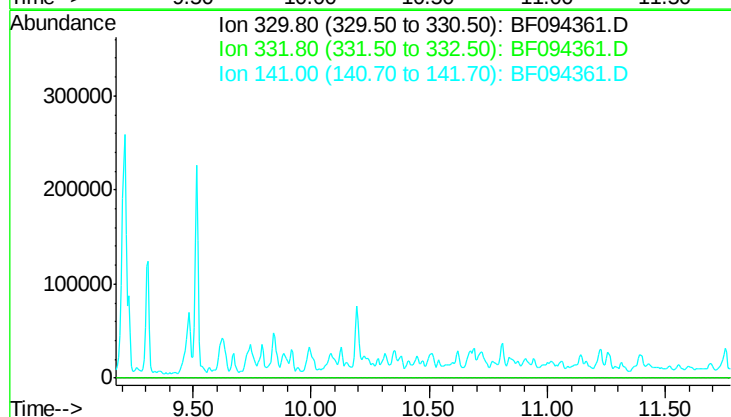
Concen: 0.00 ng

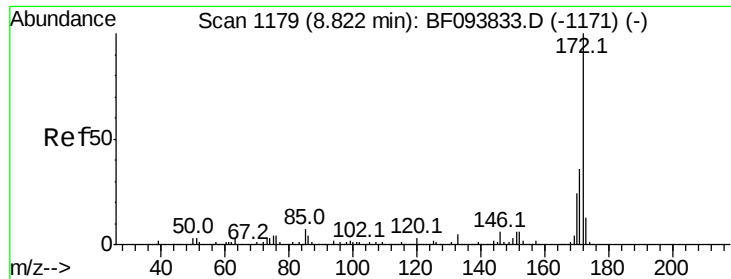
Expected RT: 10.47 min

Lab File: BF094361.D

Acq: 11 Apr 2017 20:19

Tgt Ion	Sig	Exp Ratio
330	100	
332	95.8	
141	39.3	





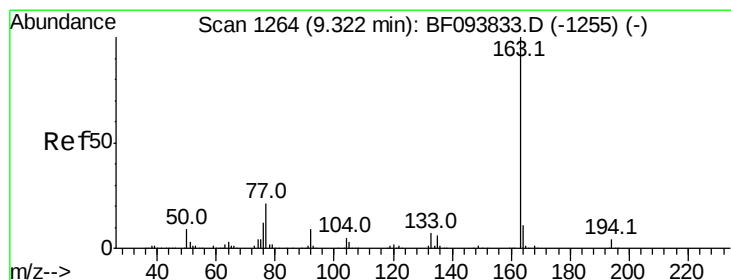
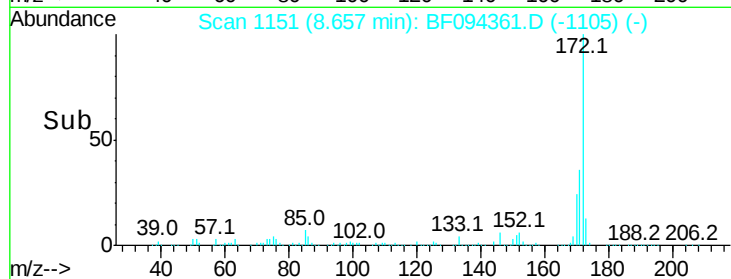
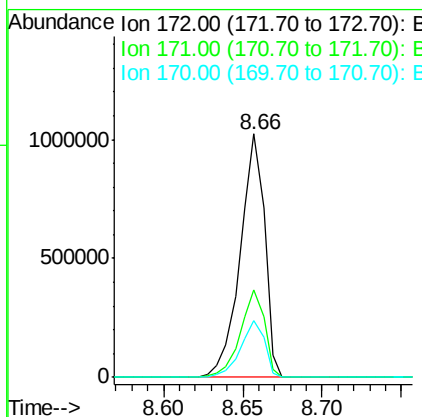
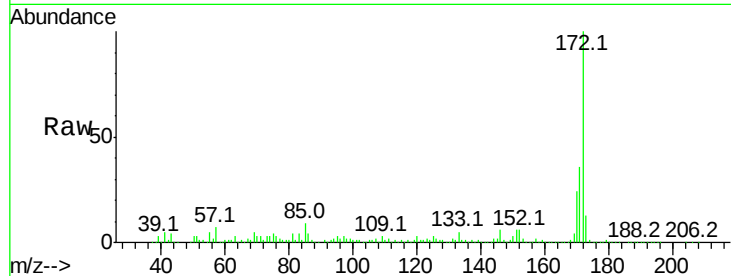
#44
2-Fluorobiphenyl
Concen: 86.28 ng
RT: 8.66 min Scan# 1151
Delta R.T. -0.03 min
Lab File: BF094361.D
Acq: 11 Apr 2017 20:19

Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-BATCH-5

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.6	44.4
170	23.5	19.8	29.8

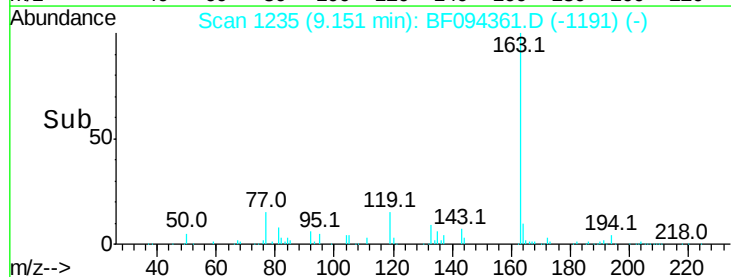
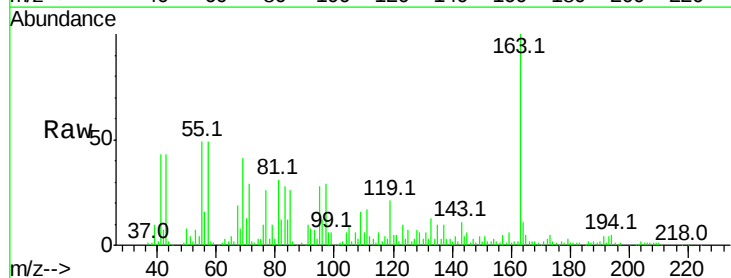
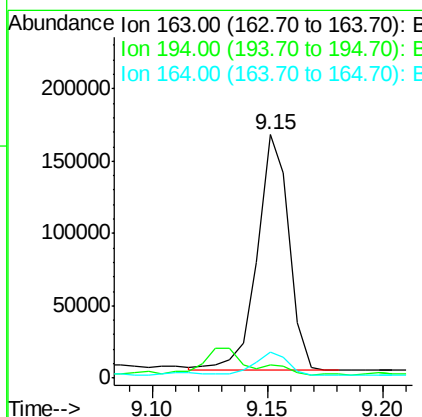
Manual Integrations
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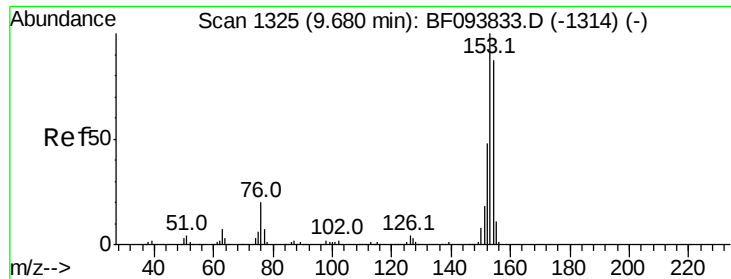
mohammad
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#49
Dimethylphthalate
Concen: 11.40 ng
RT: 9.15 min Scan# 1235
Delta R.T. -0.04 min
Lab File: BF094361.D
Acq: 11 Apr 2017 20:19

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.2	2.6	4.0#
164	10.9	8.4	12.6





#51

Acenaphthene

Concen: 3.83 ng m

RT: 9.52 min Scan# 1297

Delta R.T. -0.03 min

Lab File: BF094361.D

Acq: 11 Apr 2017 20:19

Instrument :

BNA_F

ClientSampleId :

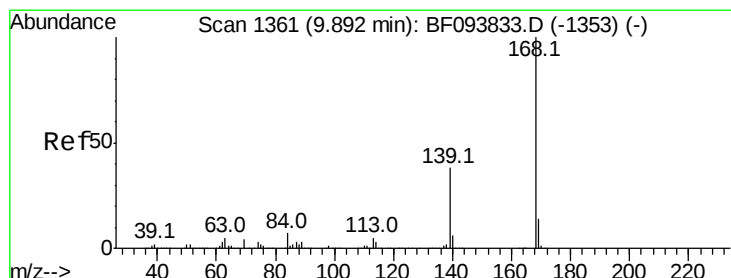
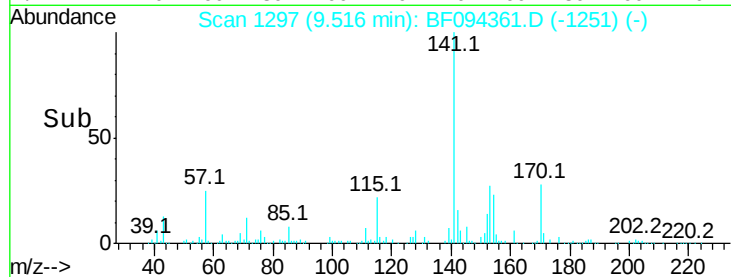
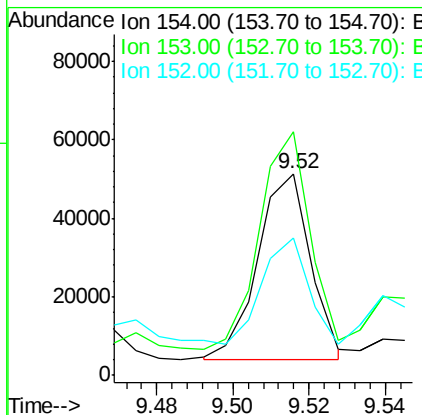
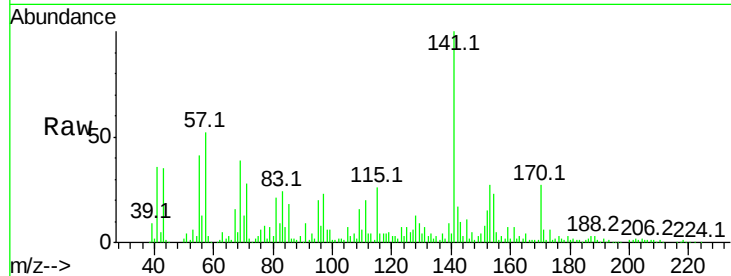
E2-CONCRETE-BATCH-5

Tot Ion:154 Resp: 45193

Ion	Ratio	Lower	Upper
154	100		
153	120.9	90.5	135.7
152	68.0	43.6	65.4#

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#54

Dibenzofuran

Concen: 3.82 ng m

RT: 9.73 min Scan# 1333

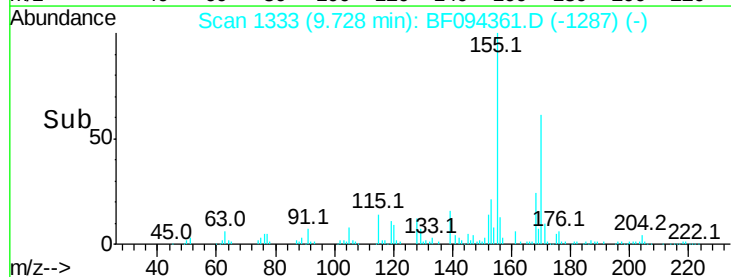
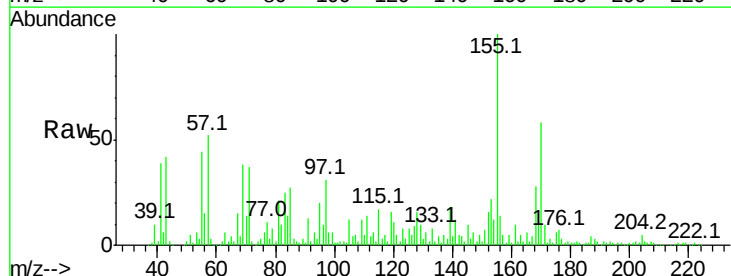
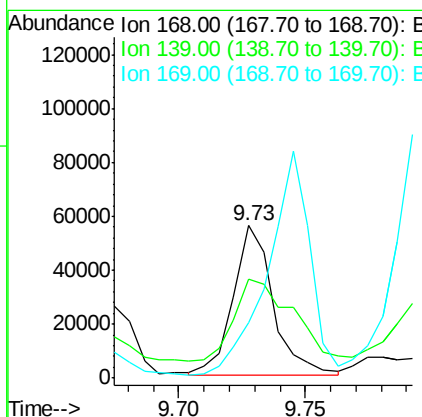
Delta R.T. -0.03 min

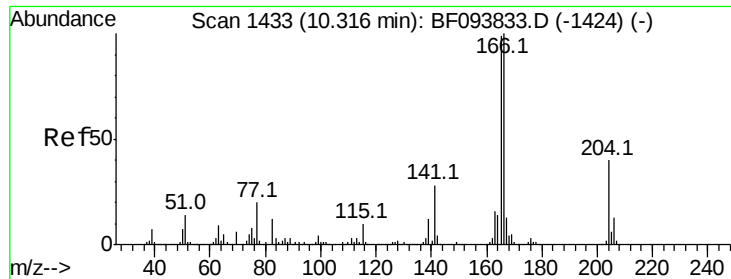
Lab File: BF094361.D

Acq: 11 Apr 2017 20:19

Tgt Ion:168 Resp: 61266

Ion	Ratio	Lower	Upper
168	100		
139	65.2	30.6	45.8#
169	36.5	10.8	16.2#





#57

Fluorene

Concen: 10.37 ng

RT: 10.15 min Scan# 1405

Delta R.T. -0.02 min

Lab File: BF094361.D

Acq: 11 Apr 2017 20:19

Instrument :

BNA_F

ClientSampleId :

E2-CONCRETE-BATCH-5

Tot Ion:166 Resp: 138125
Ion Ratio Lower Upper

166 100

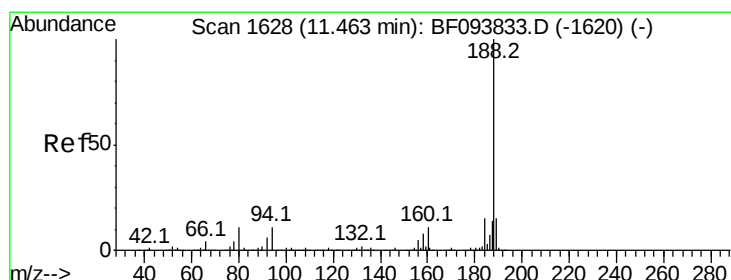
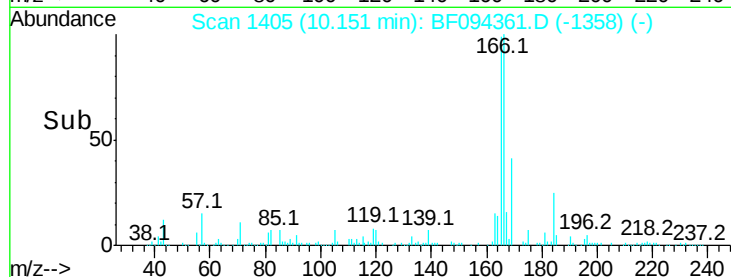
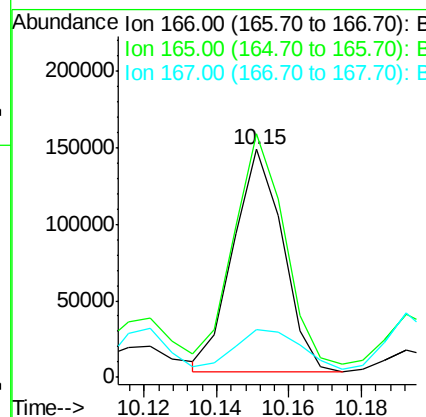
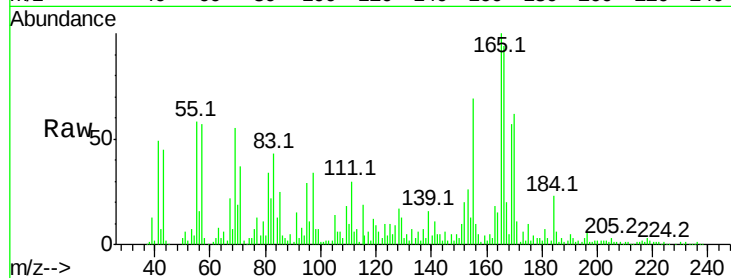
165 106.7 78.8 118.2

167 21.1 10.6 16.0#

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.30 min Scan# 1601

Delta R.T. -0.02 min

Lab File: BF094361.D

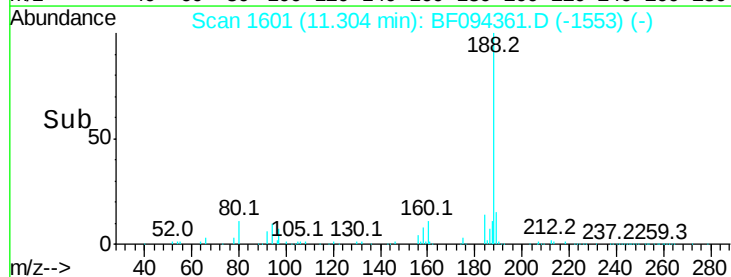
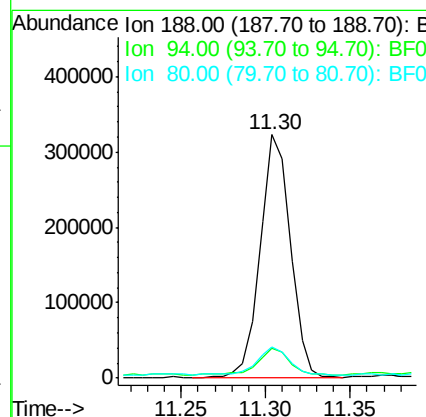
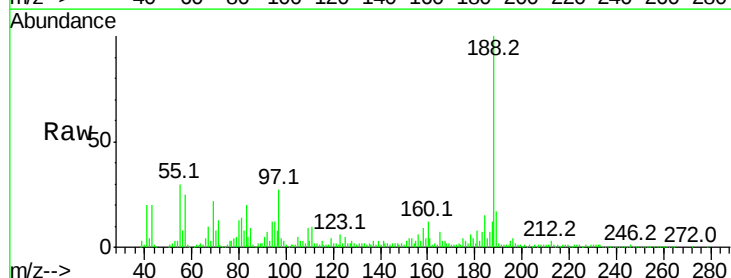
Acq: 11 Apr 2017 20:19

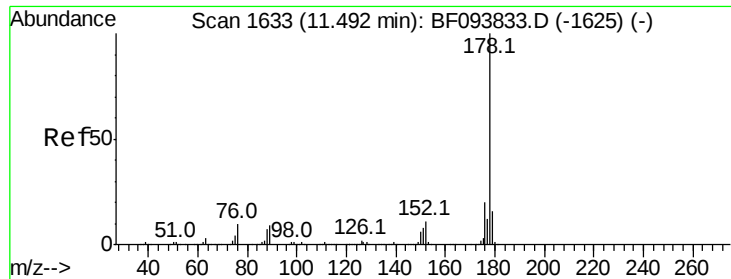
Tgt Ion:188 Resp: 401553
Ion Ratio Lower Upper

188 100

94 12.1 9.4 14.2

80 12.9 10.2 15.2





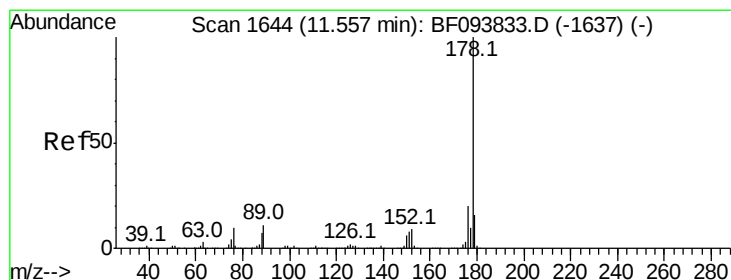
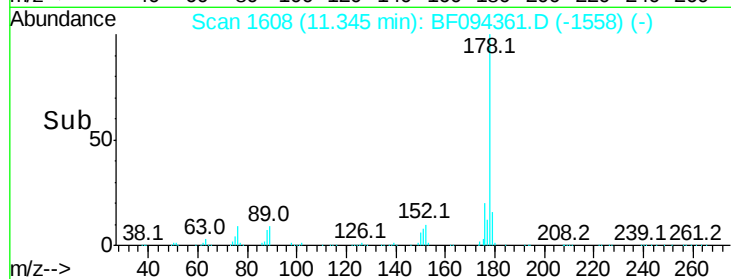
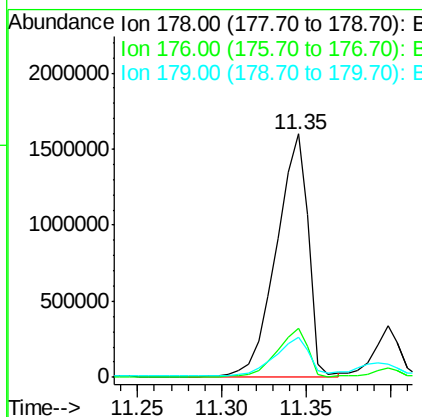
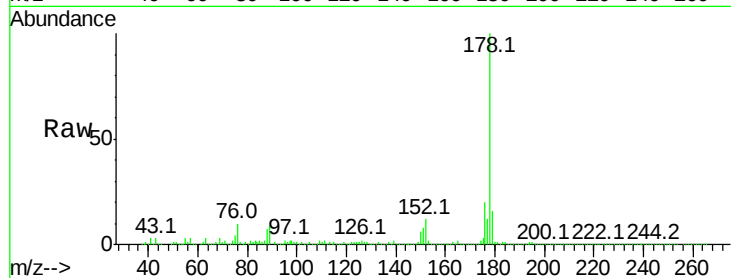
#70
Phenanthrene
Concen: 93.87 ng
RT: 11.35 min Scan# 1608
Delta R.T. -0.01 min
Lab File: BF094361.D
Acq: 11 Apr 2017 20:19

Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-BATCH-5

Tot Ion:178 Resp: 2096718
Ion Ratio Lower Upper
178 100
176 20.3 16.2 24.4
179 16.4 12.6 19.0

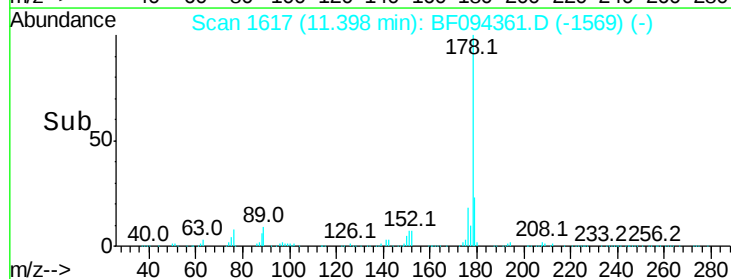
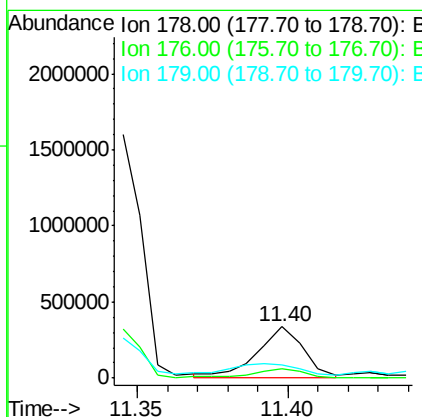
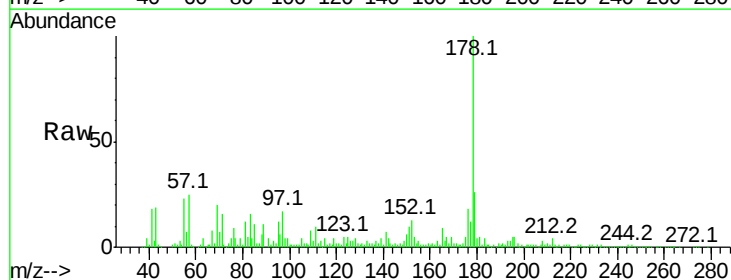
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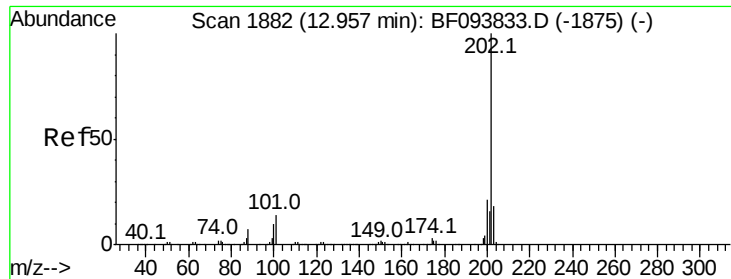
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#71
Anthracene
Concen: 15.80 ng m
RT: 11.40 min Scan# 1617
Delta R.T. -0.02 min
Lab File: BF094361.D
Acq: 11 Apr 2017 20:19

Tgt Ion:178 Resp: 363306
Ion Ratio Lower Upper
178 100
176 18.4 15.8 23.8
179 25.9 12.7 19.1#





#74

Fluoranthene

Concen: 21.68 ng

RT: 12.80 min Scan# 1855

Delta R.T. -0.02 min

Lab File: BF094361.D

Acq: 11 Apr 2017 20:19

Instrument :

BNA_F

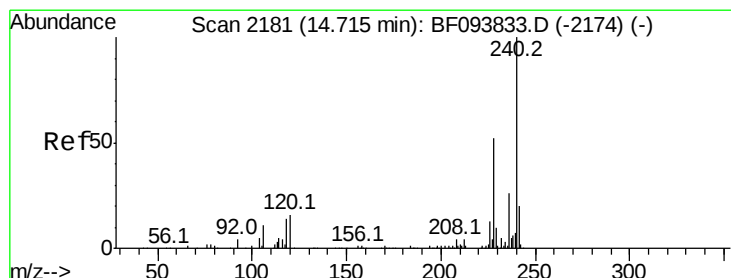
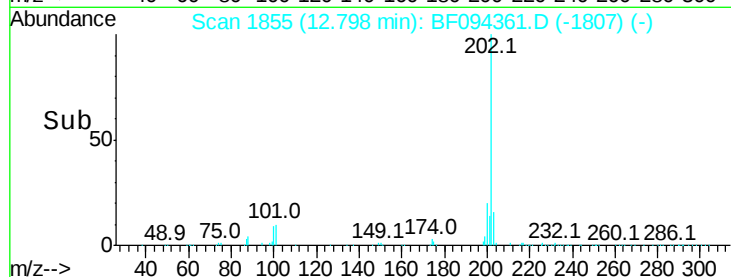
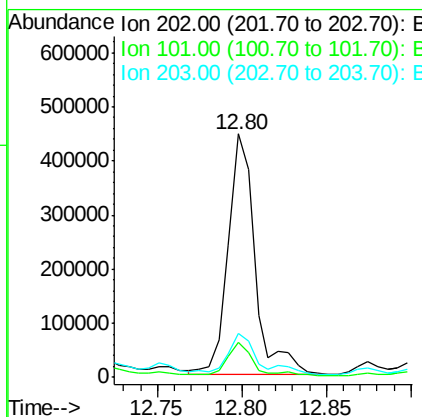
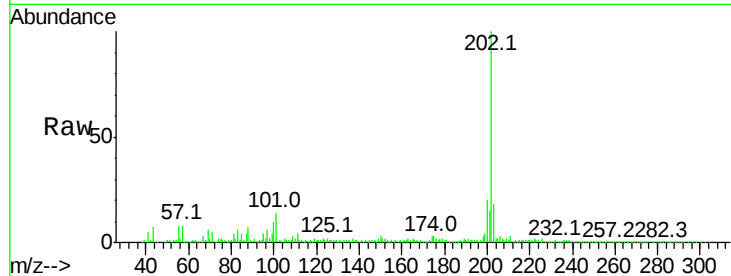
ClientSampleId :

E2-CONCRETE-BATCH-5

Tot Ion	Ratio	Resp	Lower	Upper
202	100	495839		
101	14.2	0.0	33.2	
203	18.1	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.00 ng

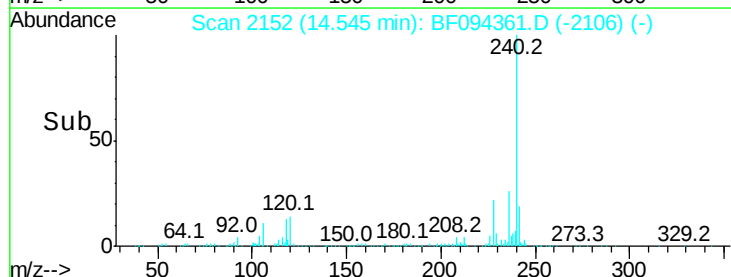
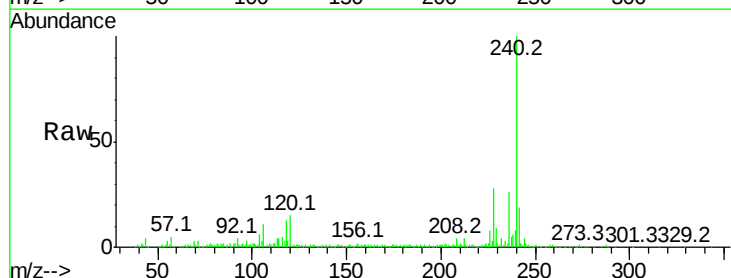
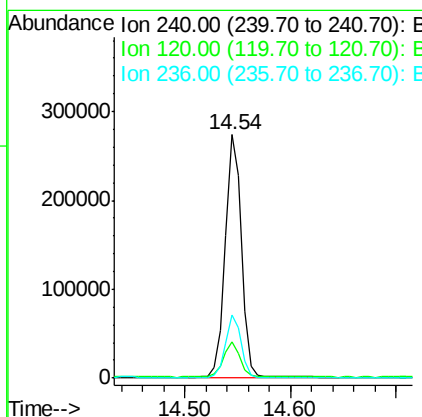
RT: 14.54 min Scan# 2152

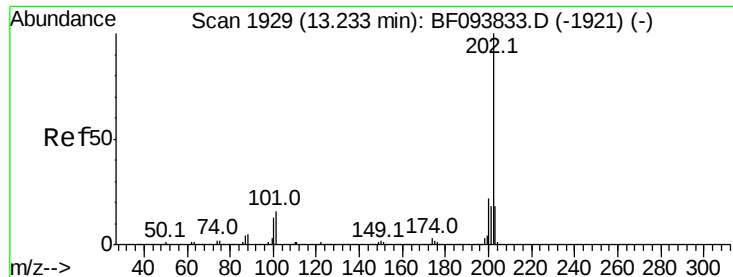
Delta R.T. -0.03 min

Lab File: BF094361.D

Acq: 11 Apr 2017 20:19

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	292355		
120	14.9	5.8	8.8#	
236	25.8	20.5	30.7	





#77

Pvrene

Concen: 80.69 ng

RT: 13.08 min Scan# 1903

Delta R.T. -0.01 min

Lab File: BF094361.D

Acq: 11 Apr 2017 20:19

Instrument :

BNA_F

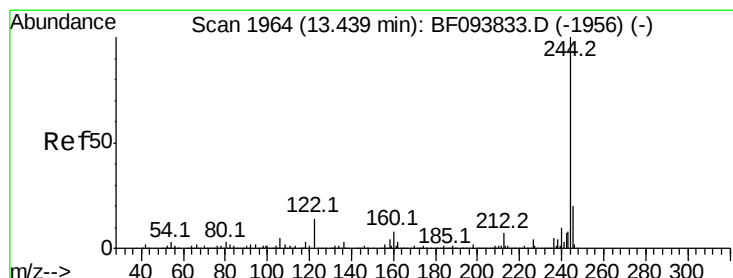
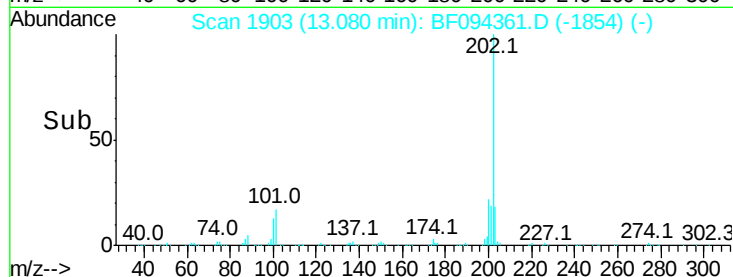
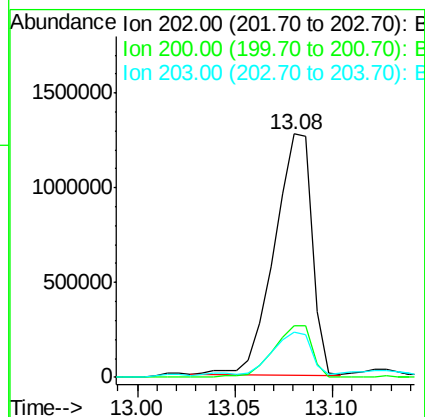
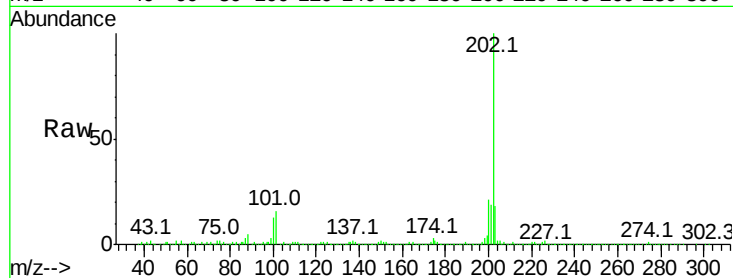
ClientSampleId :

E2-CONCRETE-BATCH-5

Tot Ion:	202	Resp:	1711976
Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.6	26.4
203	18.4	14.4	21.6

Manual Integrations
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#78

Terphenyl-d14

Concen: 67.14 ng

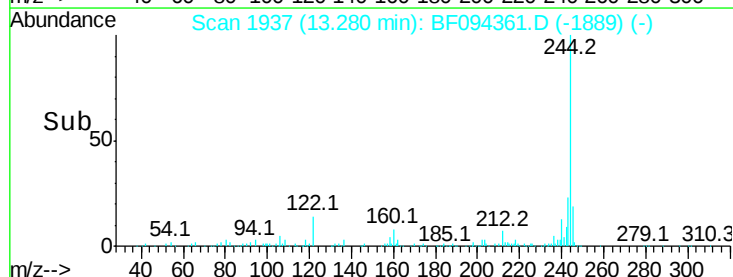
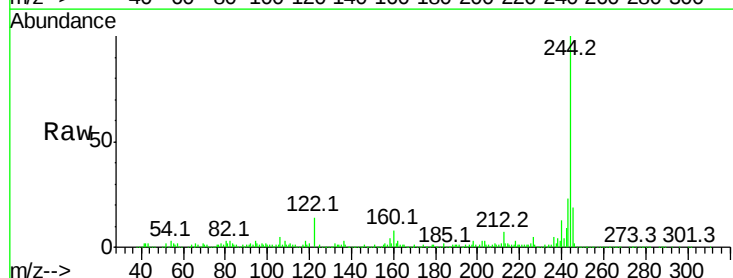
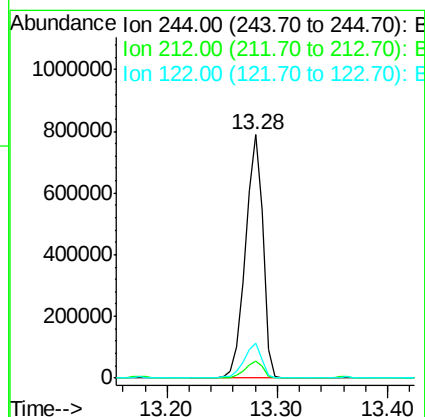
RT: 13.28 min Scan# 1937

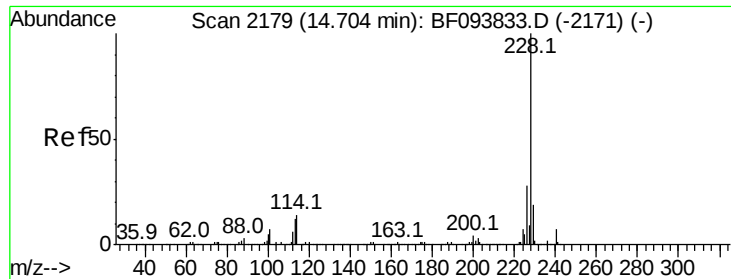
Delta R.T. -0.02 min

Lab File: BF094361.D

Acq: 11 Apr 2017 20:19

Tgt Ion:	244	Resp:	875699
Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	14.2	10.3	15.5





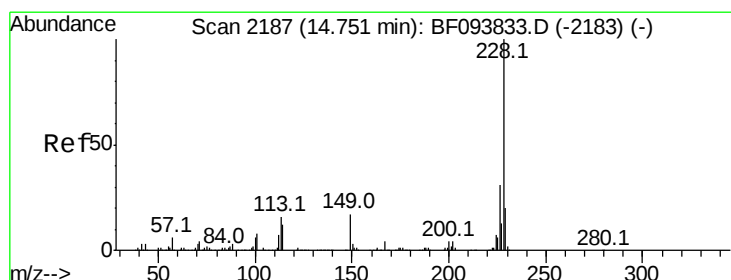
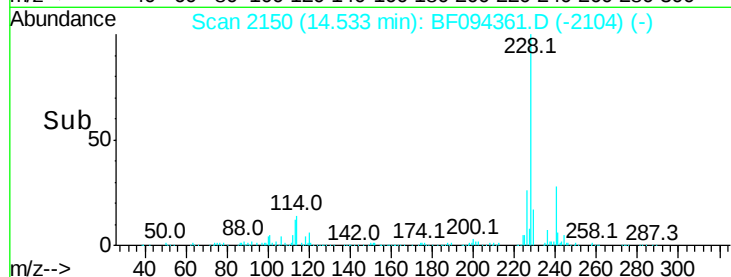
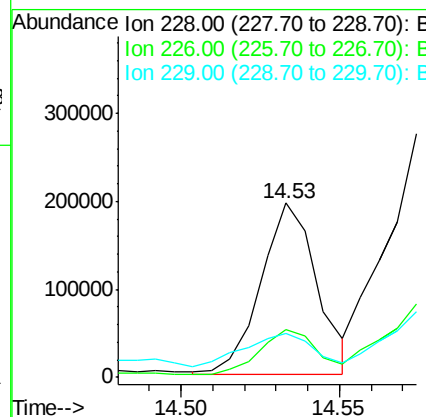
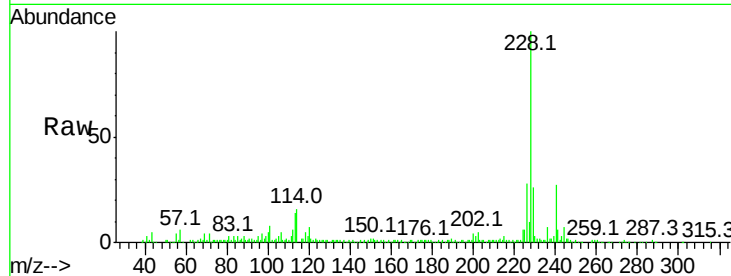
#80
Benzo(a)anthracene
Concen: 14.09 ng
RT: 14.53 min Scan# 2150
Delta R.T. -0.03 min
Lab File: BF094361.D
Acq: 11 Apr 2017 20:19

Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-BATCH-5

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.6	33.8
229	25.6	16.3	24.5

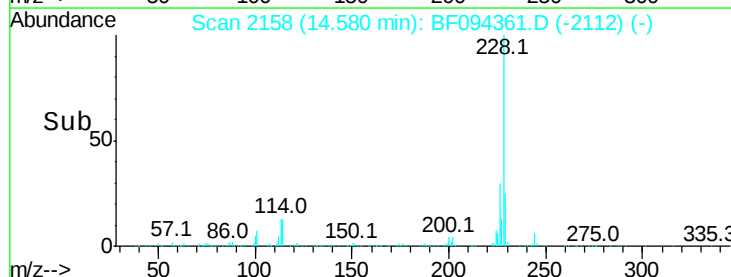
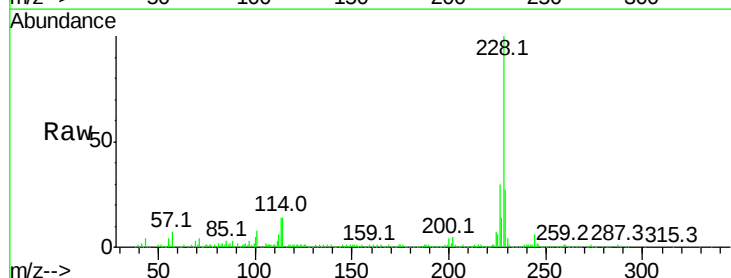
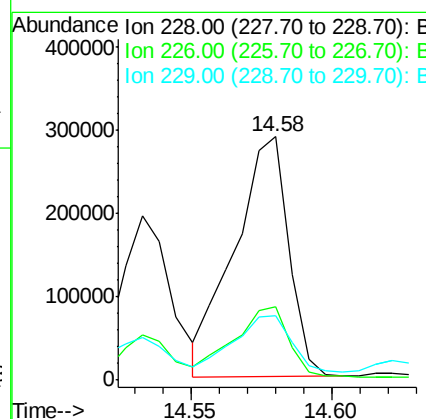
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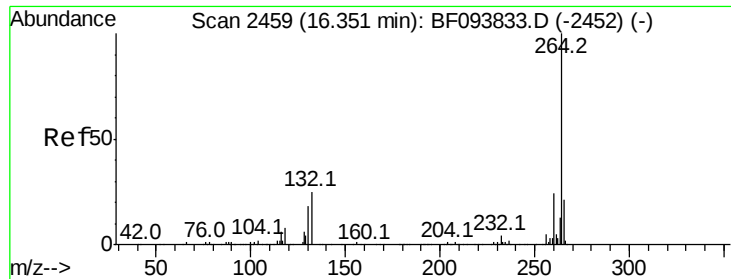
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#82
Chrysene
Concen: 24.33 ng
RT: 14.58 min Scan# 2158
Delta R.T. -0.03 min
Lab File: BF094361.D
Acq: 11 Apr 2017 20:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.9	37.3
229	26.6	15.8	23.6





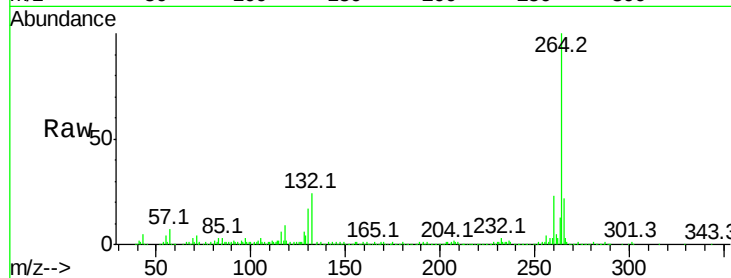
#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.17 min Scan# 2428
Delta R.T. -0.02 min
Lab File: BF094361.D
Acq: 11 Apr 2017 20:19

Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-BATCH-5

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.5	29.3
265	21.9	17.2	25.8

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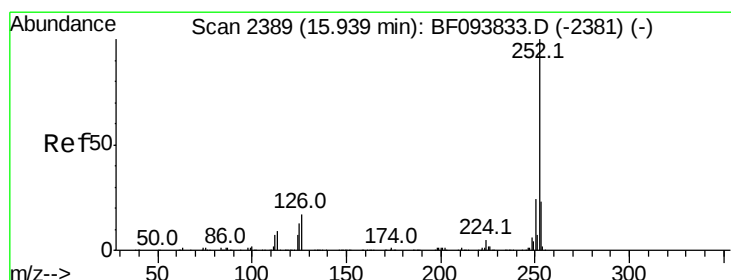
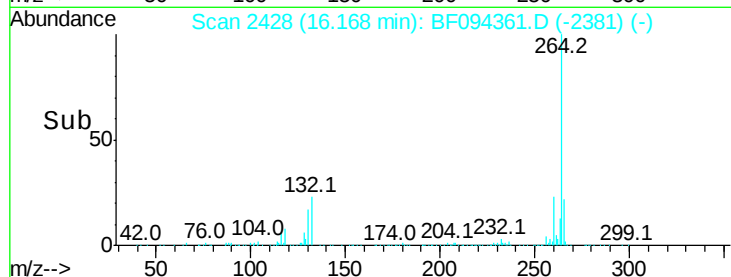
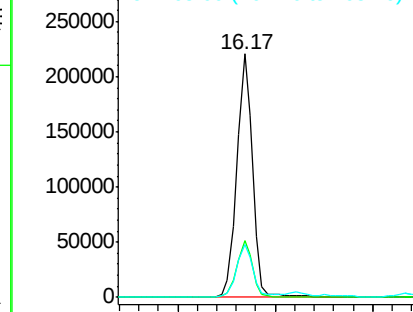


Abundance

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



#87
Benzo(b)fluoranthene
Concen: 3.37 ng m
RT: 15.76 min Scan# 2359
Delta R.T. -0.03 min
Lab File: BF094361.D
Acq: 11 Apr 2017 20:19

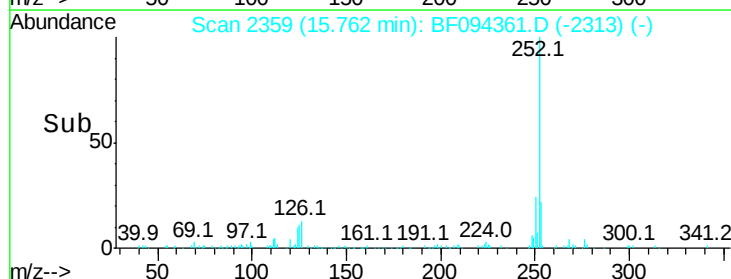
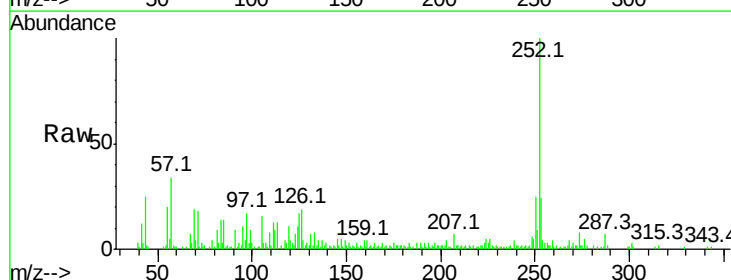
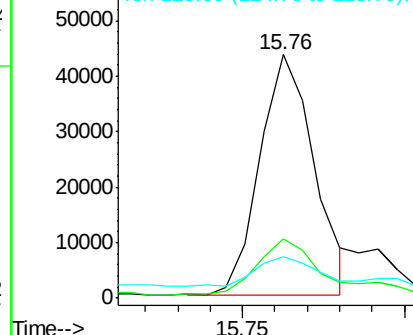
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.1	27.1
125	17.1	9.8	14.8

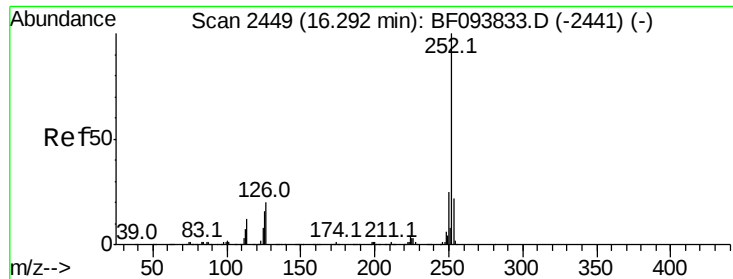
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89
 Benzo(a)pyrene
 Concen: 2.53 ng
 RT: 16.11 min Scan# 2418
 Delta R.T. -0.03 min
 Lab File: BF094361.D
 Acq: 11 Apr 2017 20:19

Instrument :
 BNA_F
 ClientSampleId :
 E2-CONCRETE-BATCH-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	20.5	11.0	16.4

Manual Integrations
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