

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051917\
 Data File : BF095273.D
 Acq On : 19 May 2017 20:34
 Operator : SJ/MA
 Sample : I3203-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-CONCRETE-BATCH-10

Manual Integrations
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Quant Time: May 22 07:52:06 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 17:07:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	83135	20.00	ng	0.00
21) Naphthalene-d8	9.78	136	362481	20.00	ng	0.00
38) Acenaphthene-d10	12.61	164	166206	20.00	ng	0.00
63) Phenanthrene-d10	15.02	188	275138	20.00	ng	0.00
75) Chrysene-d12	18.69	240	183407	20.00	ng	0.00
86) Perylene-d12	20.37	264	140883	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.77	112	143049	28.69	ng	0.04
7) Phenol-d6	7.31	99	396817	66.32	ng	0.00
23) Nitrobenzene-d5	8.66	82	389125	67.69	ng	-0.01
41) 2,4,6-Tribromophenol	13.93	330	12469	9.16	ng	0.01
44) 2-Fluorobiphenyl	11.55	172	823328	71.30	ng	0.00
78) Terphenyl-d14	17.35	244	616074	73.99	ng	0.00
Target Compounds						Qvalue
10) Phenol	7.34	94	24305	3.86	ng	# 78
17) 2-Methylphenol	8.28	107	46592	10.03	ng	91
20) 3+4-Methylphenols	8.58	107	55536	8.80	ng	# 62
27) 2,4-Dimethylphenol	9.38	122	45914	8.73	ng	91
31) Naphthalene	9.82	128	66343	3.64	ng	98
37) 2-Methylnaphthalene	10.94	142	315234	26.36	ng	98
49) Dimethylphthalate	12.25	163	99902	7.32	ng	99
51) Acenaphthene	12.67	154	48799	4.62	ng	97
54) Dibenzofuran	12.97	168	47463m	3.24	ng	
57) Fluorene	13.51	166	113865	8.95	ng	# 94
70) Phenanthrene	15.08	178	1977474	125.09	ng	98
71) Anthracene	15.15	178	263454m	16.31	ng	
74) Fluoranthene	16.81	202	494831	30.51	ng	99
77) Pyrene	17.12	202	1674435	122.07	ng	99
80) Benzo(a)anthracene	18.68	228	158695m	14.87	ng	
82) Chrysene	18.72	228	331184	32.09	ng	97
83) Bis(2-ethylhexyl)phthalate	18.74	149	32131	3.53	ng	# 99
87) Benzo(b)fluoranthene	19.97	252	30326m	3.48	ng	
89) Benzo(a)pyrene	20.32	252	20015	2.49	ng	# 89

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

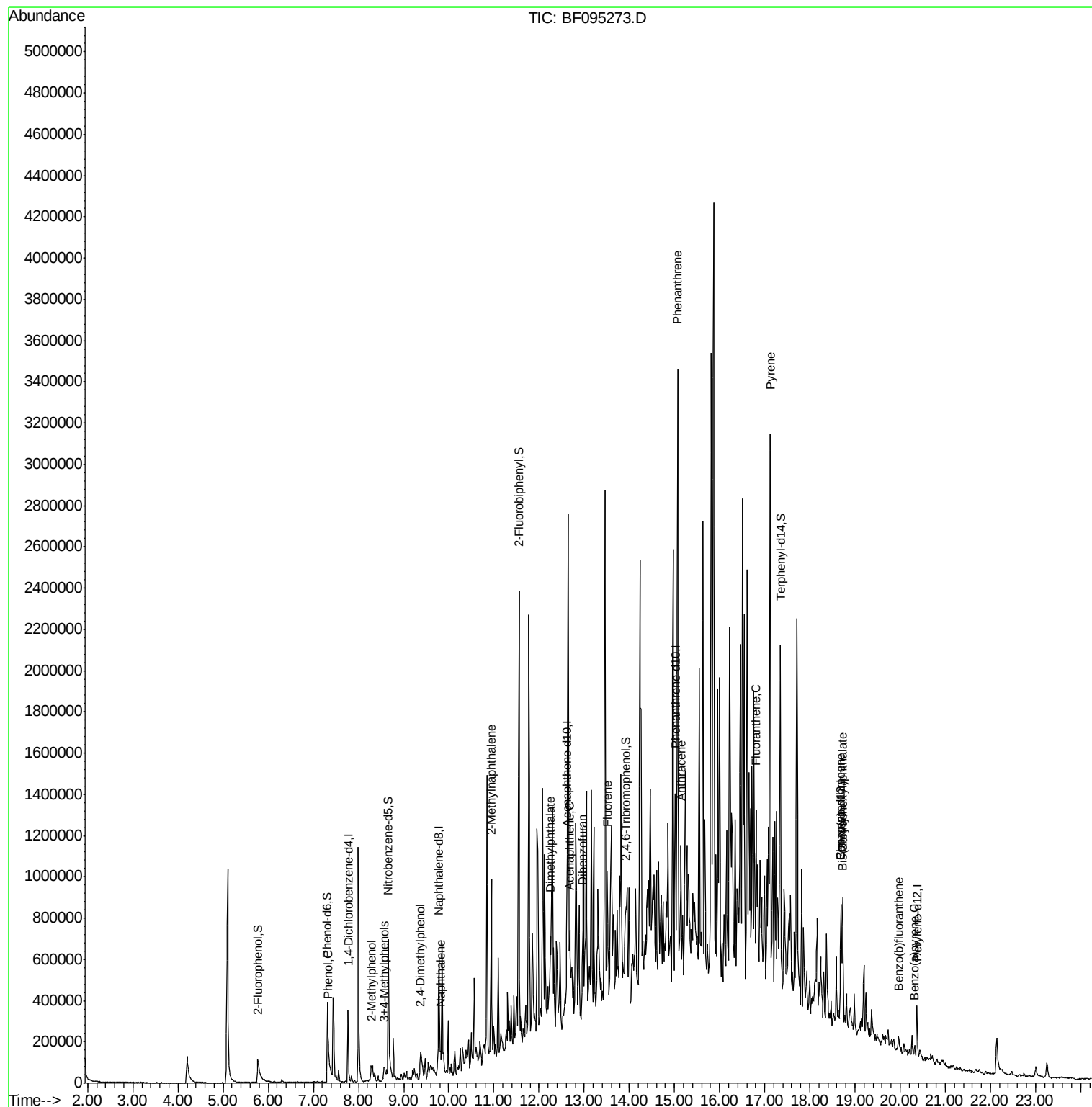
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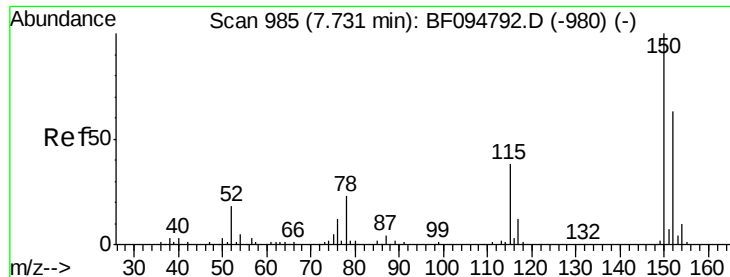
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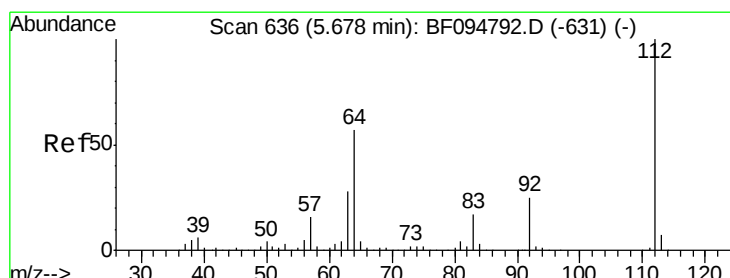
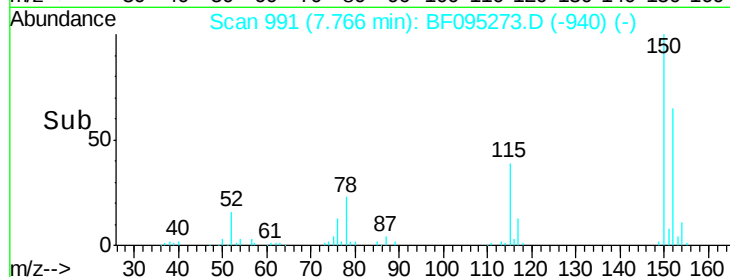
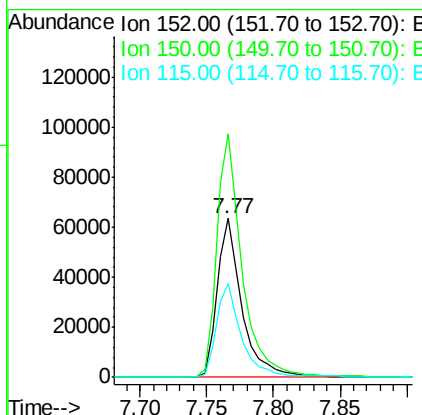
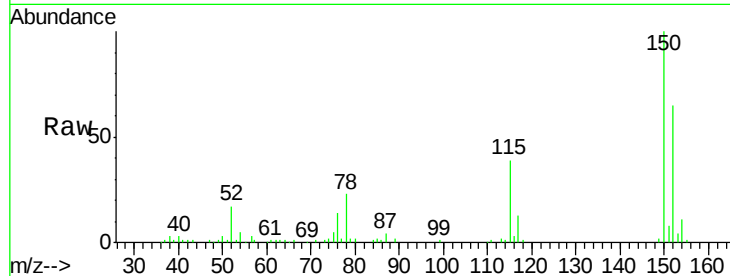
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.77 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: BF095273.D
 Acq: 19 May 2017 20:34

Instrument :
 BNA_F
 ClientSampleId :
 E2-CONCRETE-BATCH-10

Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.3	126.2	189.2
115	59.1	52.2	78.2

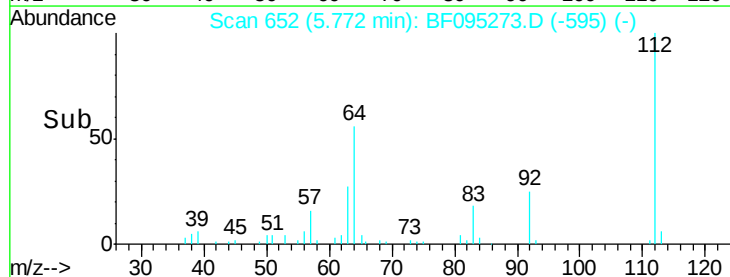
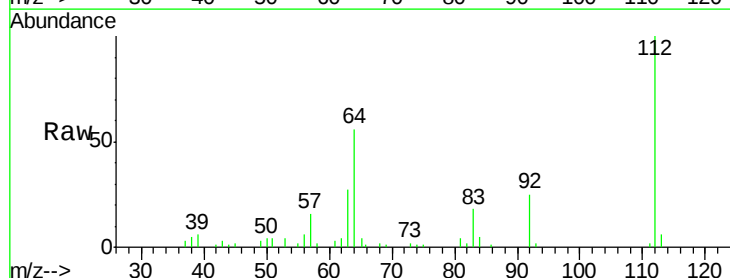
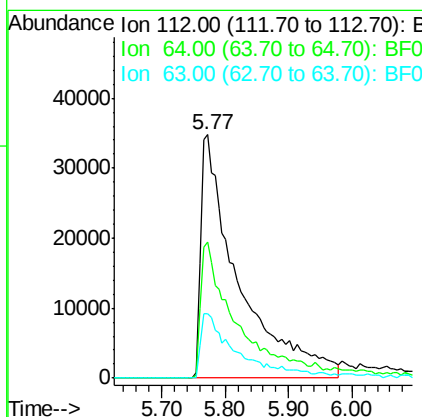
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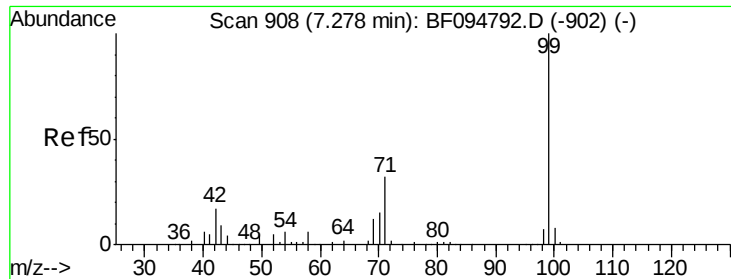
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#5
 2-Fluorophenol
 Concen: 28.69 ng
 RT: 5.77 min Scan# 652
 Delta R.T. 0.04 min
 Lab File: BF095273.D
 Acq: 19 May 2017 20:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	46.0	69.0
63	26.6	23.4	35.0





#7

Phenol-d6

Concen: 66.32 ng

RT: 7.31 min Scan# 913

Delta R.T. -0.01 min

Lab File: BF095273.D

Acq: 19 May 2017 20:34

Instrument :

BNA_F

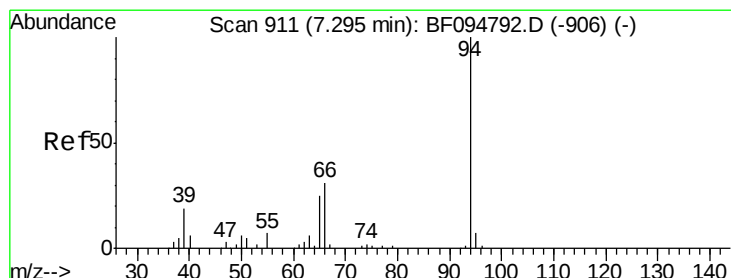
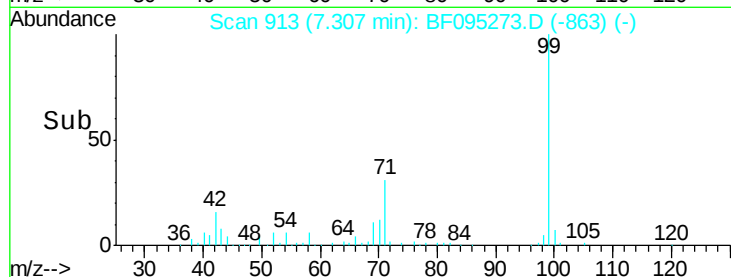
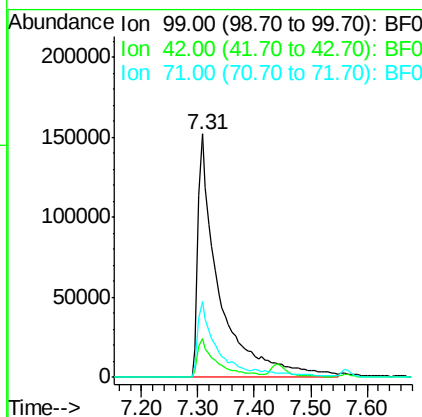
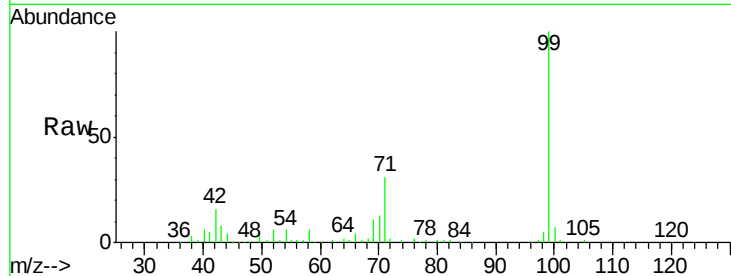
ClientSampleId :

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Tgt Ion:	99	Resp:	396817
Ion Ratio	Lower	Upper	
99	100		
42	15.8	13.5	20.3
71	31.4	24.5	36.7

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#10

Phenol

Concen: 3.86 ng

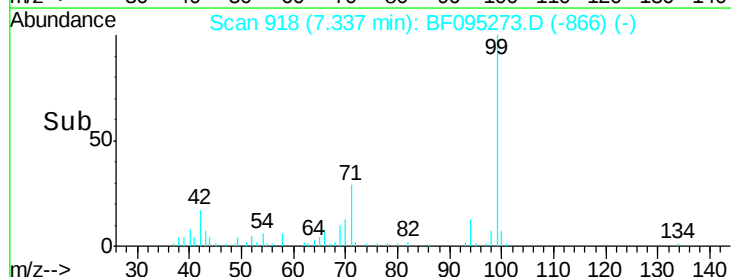
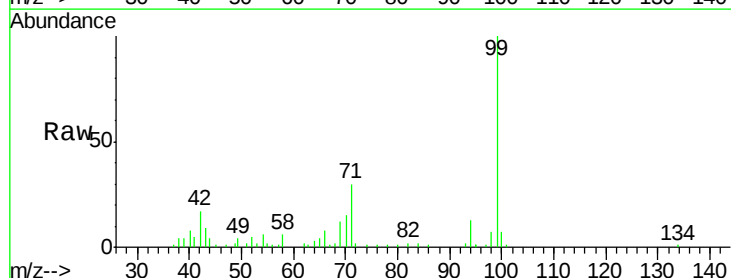
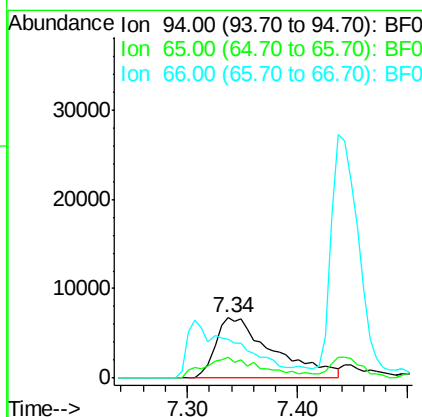
RT: 7.34 min Scan# 918

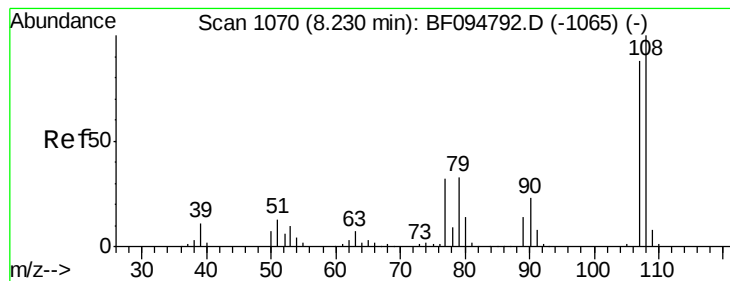
Delta R.T. 0.01 min

Lab File: BF095273.D

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Tgt Ion:	94	Resp:	24305
Ion Ratio	Lower	Upper	
94	100		
65	34.3	9.9	49.9
66	63.6	23.1	63.1#





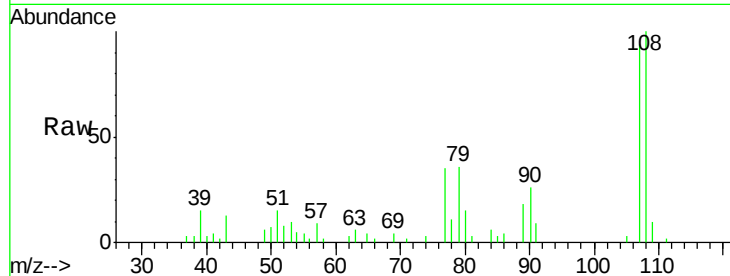
#17
2-Methylphenol
Concen: 10.03 ng
RT: 8.28 min Scan# 1078
Delta R.T. 0.02 min
Lab File: BF095273.D
Acq: 19 May 2017 20:34

Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-BATCH-10

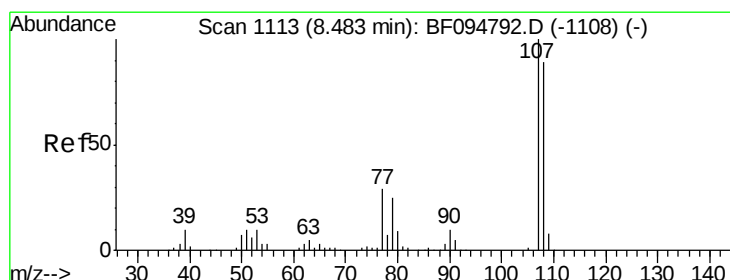
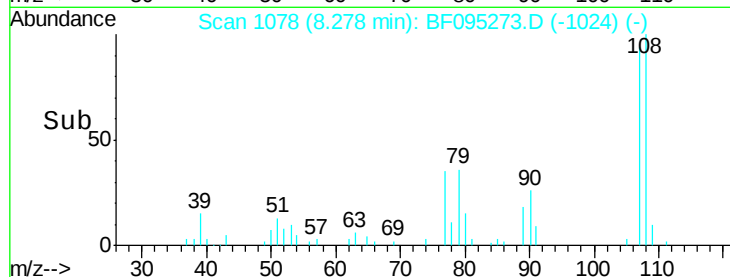
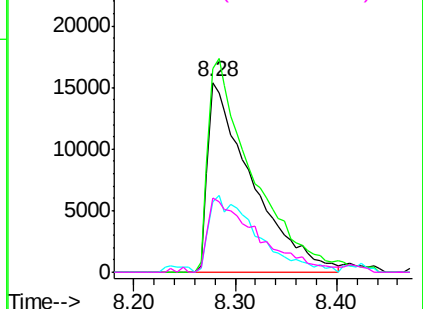
Tgt Ion:	107	Resp:	46592
Ion Ratio	Lower	Upper	
107	100		
108	106.9	93.4	140.0
77	37.3	35.8	53.6
79	38.8	34.8	52.2

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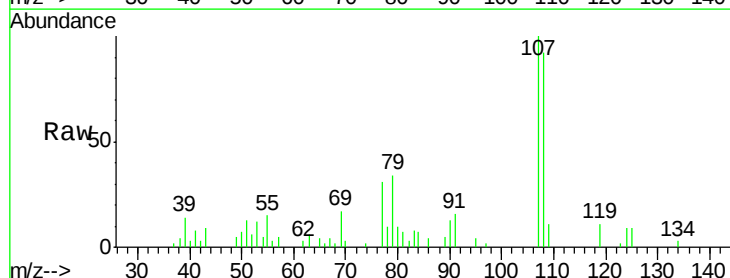


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

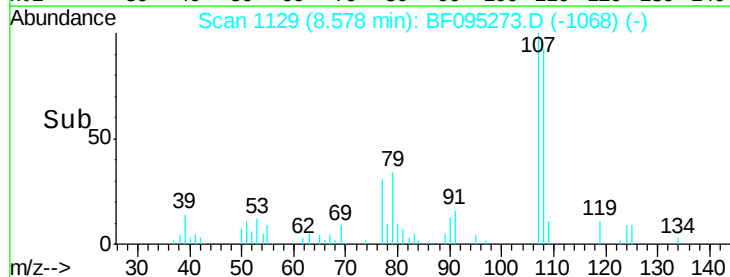
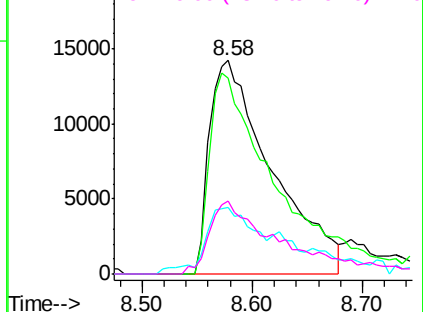


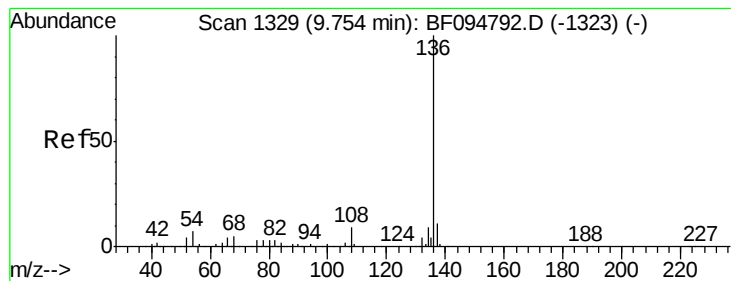
#20
3+4-Methylphenols
Concen: 8.80 ng
RT: 8.58 min Scan# 1129
Delta R.T. 0.06 min
Lab File: BF095273.D
Acq: 19 May 2017 20:34

Tgt Ion:	107	Resp:	55536
Ion Ratio	Lower	Upper	
107	100		
108	91.8	71.0	111.0
77	31.3	90.5	130.5#
79	34.1	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





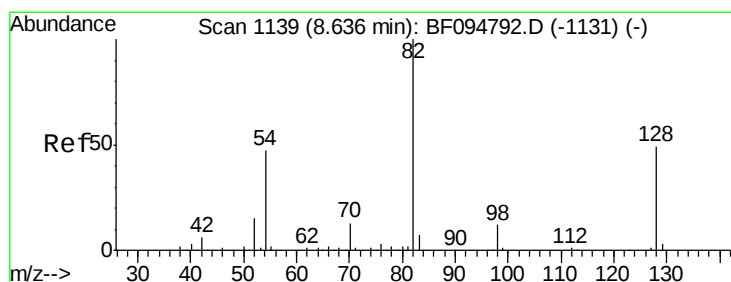
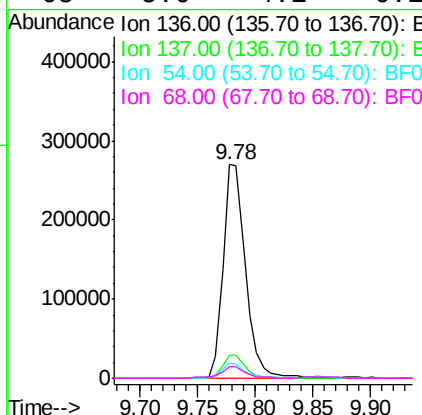
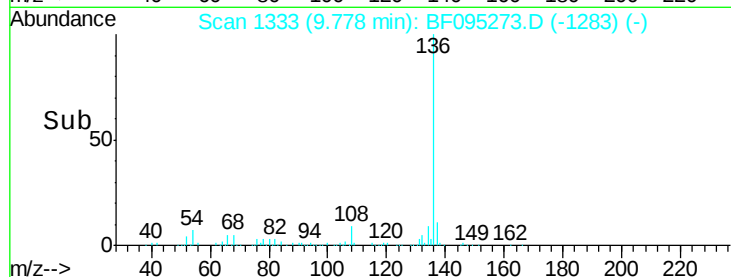
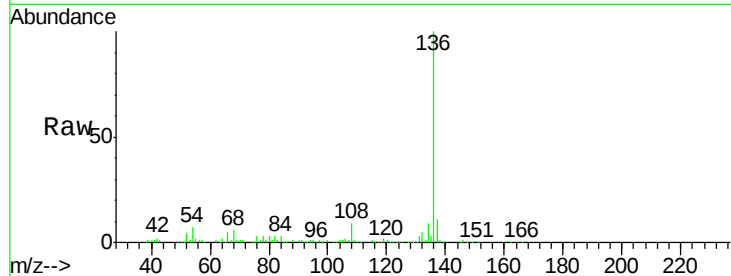
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.78 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF095273.D
Acq: 19 May 2017 20:34

Instrument :
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ClientSampleId :
E2-CONCRETE-BATCH-10

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	362481		
137	10.8	8.5	12.7	
54	7.4	4.9	7.3	
68	5.6	4.1	6.1	

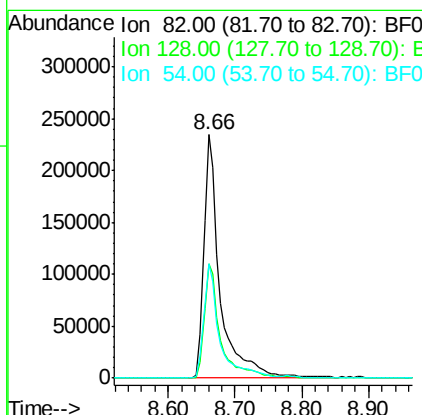
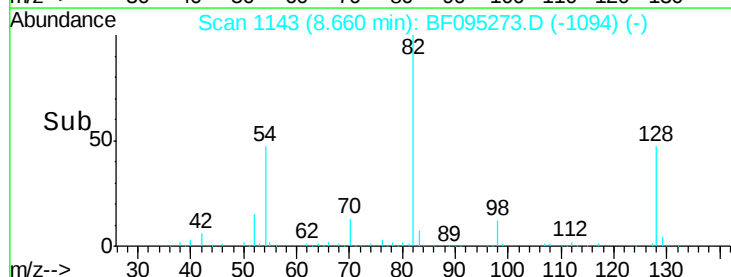
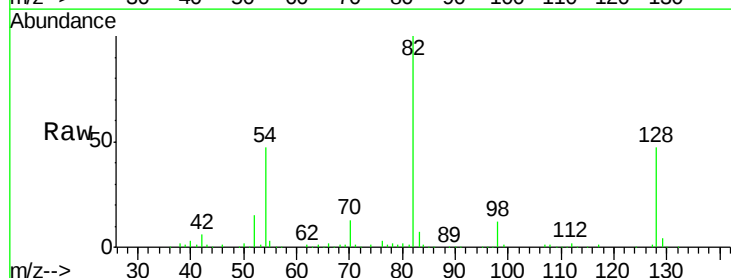
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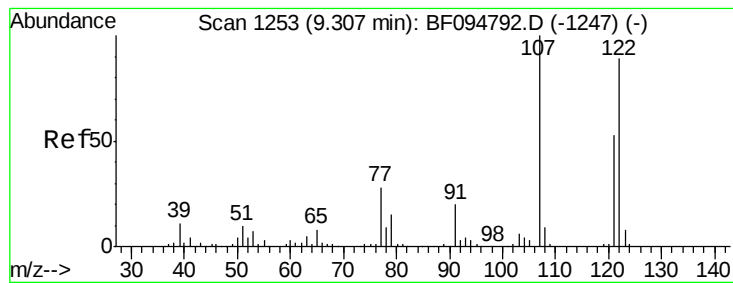
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#23
Nitrobenzene-d5
Concen: 67.69 ng
RT: 8.66 min Scan# 1143
Delta R.T. -0.01 min
Lab File: BF095273.D
Acq: 19 May 2017 20:34

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	389125		
128	46.9	34.0	51.0	
54	46.8	42.2	63.2	





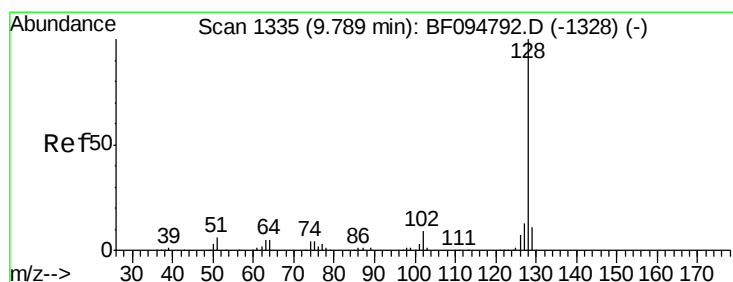
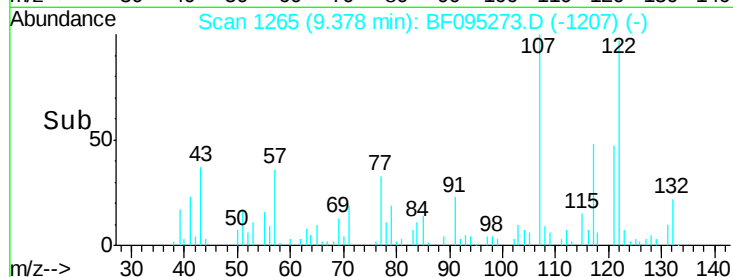
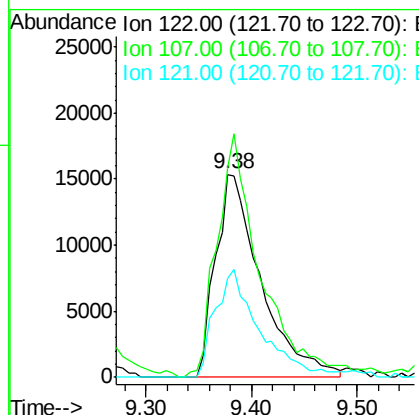
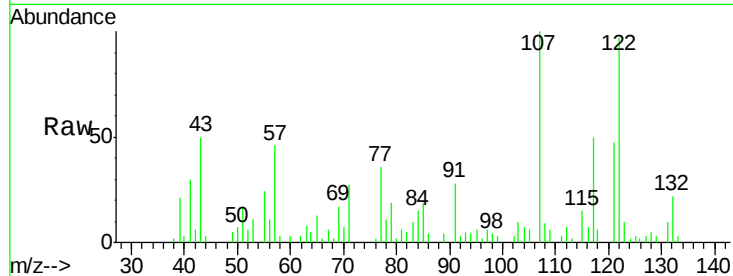
#27
 2,4-Dimethylphenol
 Concen: 8.73 ng
 RT: 9.38 min Scan# 1265
 Delta R.T. 0.04 min
 Lab File: BF095273.D
 Acq: 19 May 2017 20:34

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 BNA_F
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Tgt Ion:	122	Resp:	45914
Ion Ratio	Lower	Upper	
122	100		
107	103.1	89.2	133.8
121	48.7	45.2	67.8

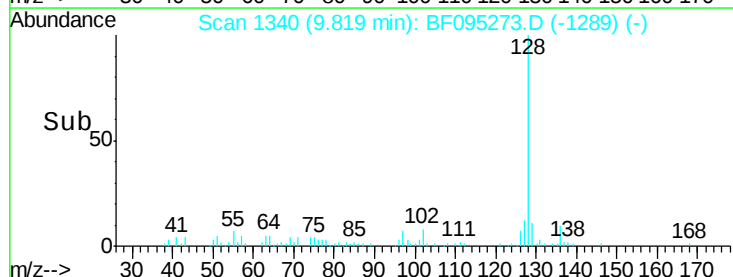
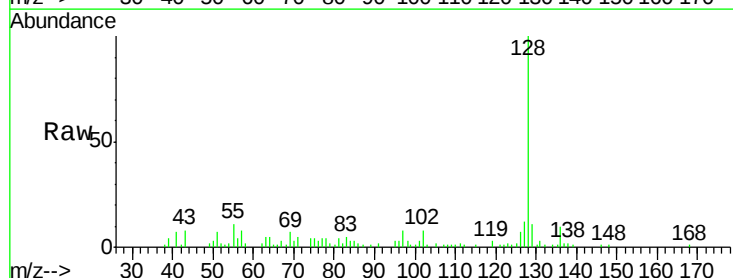
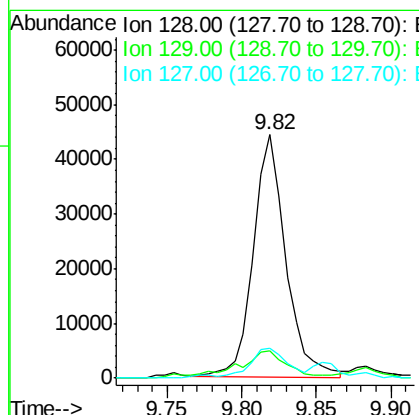
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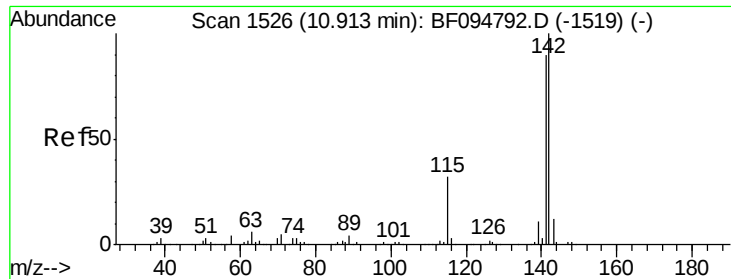
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#31
 Naphthalene
 Concen: 3.64 ng
 RT: 9.82 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: BF095273.D
 Acq: 19 May 2017 20:34

Tgt Ion:	128	Resp:	66343
Ion Ratio	Lower	Upper	
128	100		
129	11.5	9.0	13.6
127	12.4	10.8	16.2





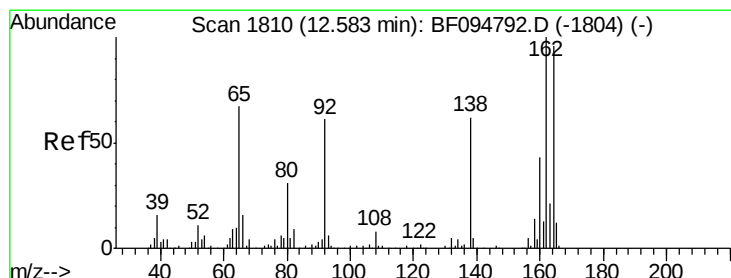
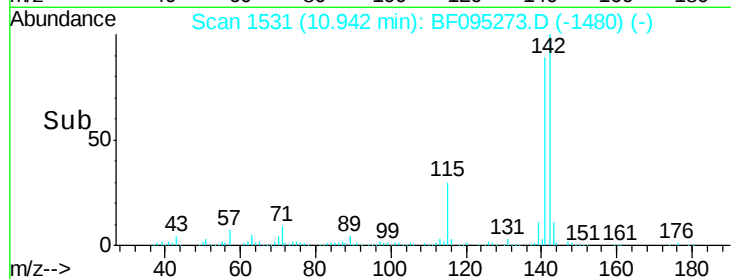
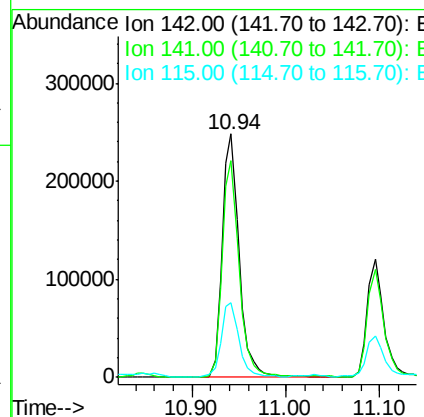
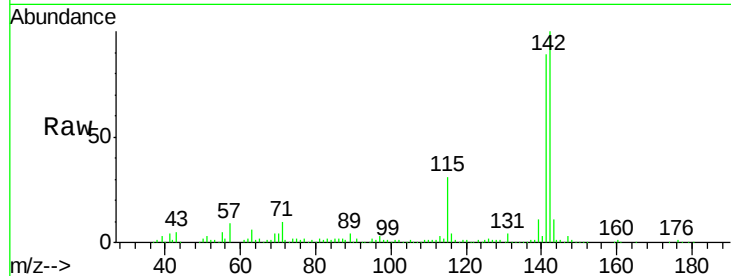
#37
2-Methylnaphthalene
Concen: 26.36 ng
RT: 10.94 min Scan# 1531
Delta R.T. 0.00 min
Lab File: BF095273.D
Acq: 19 May 2017 20:34

Instrument :
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ClientSampleId :
E2-CONCRETE-BATCH-10

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	315234		
141	89.1	71.3	106.9	
115	30.8	27.1	40.7	

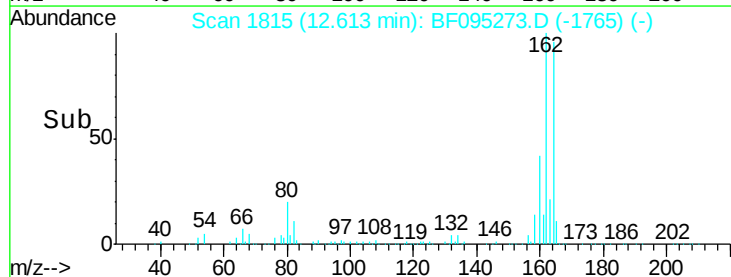
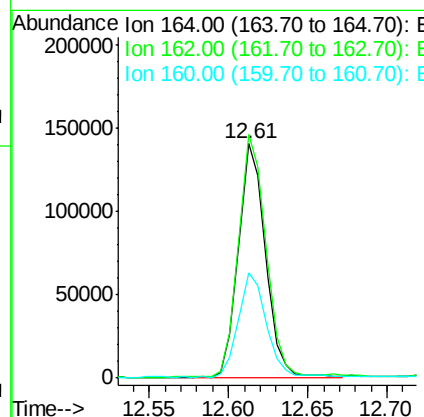
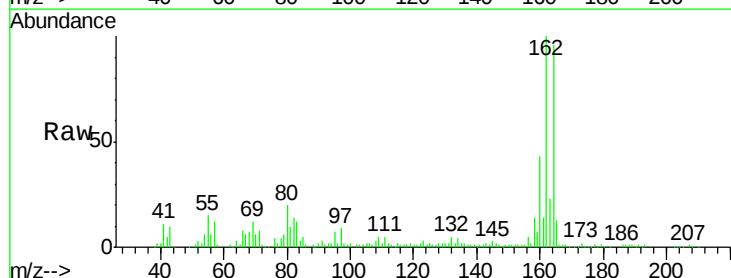
Manual Integrations
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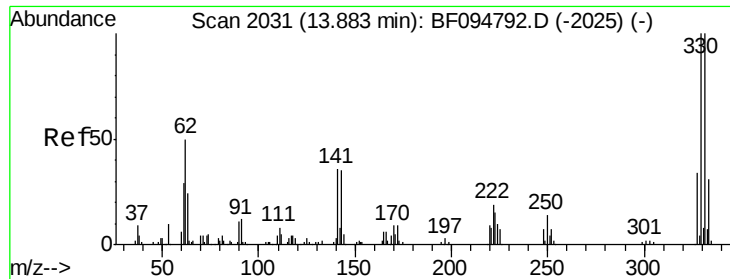
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.61 min Scan# 1815
Delta R.T. -0.01 min
Lab File: BF095273.D
Acq: 19 May 2017 20:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	166206		
162	103.8	82.6	123.8	
160	44.8	36.2	54.2	





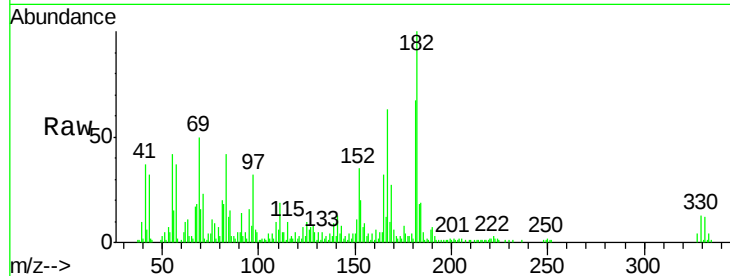
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 2,4,6-Tribromophenol
 Concen: 9.16 ng
 RT: 13.93 min Scan# 2039
 Delta R.T. 0.01 min
 Lab File: BF095273.D
 Acq: 19 May 2017 20:34

Instrument :
 BNA_F
 ClientSampleId :
 E2-CONCRETE-BATCH-10

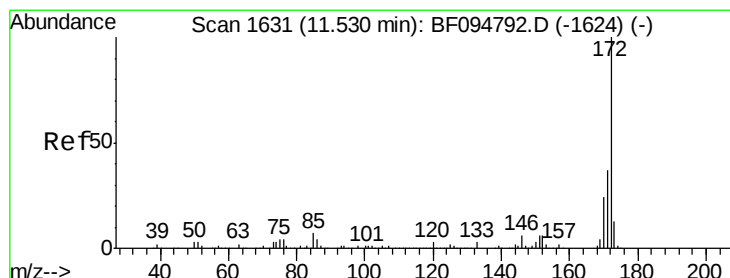
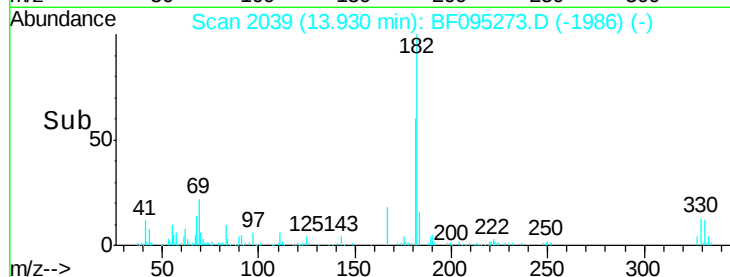
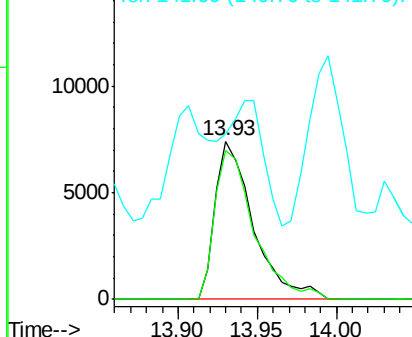
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.6	76.6	115.0
141	73.3	31.4	47.2

Manual Integrations
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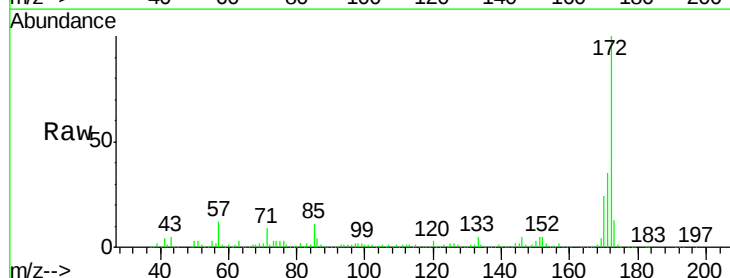


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

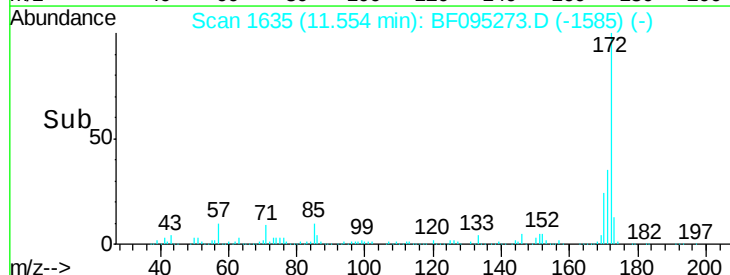
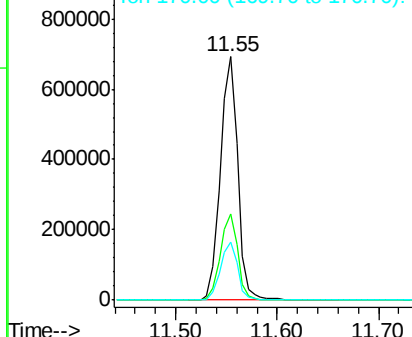


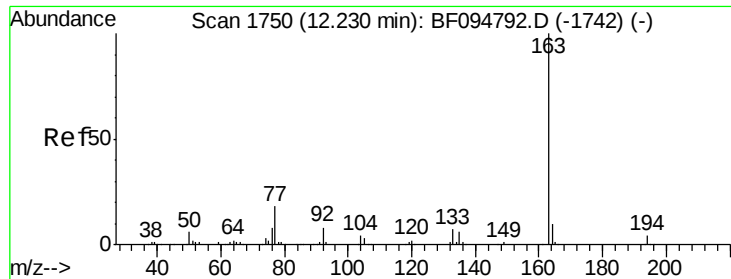
#44
 2-Fluorobiphenyl
 Concen: 71.30 ng
 RT: 11.55 min Scan# 1635
 Delta R.T. -0.01 min
 Lab File: BF095273.D
 Acq: 19 May 2017 20:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.6	44.4
170	23.6	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





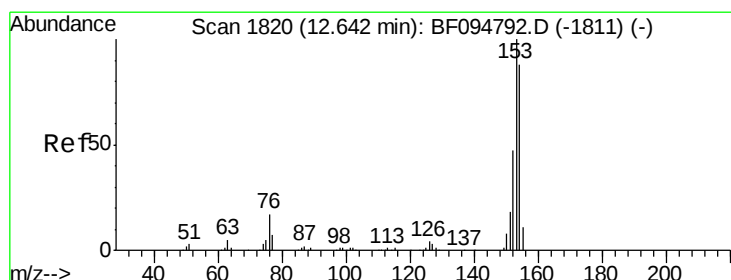
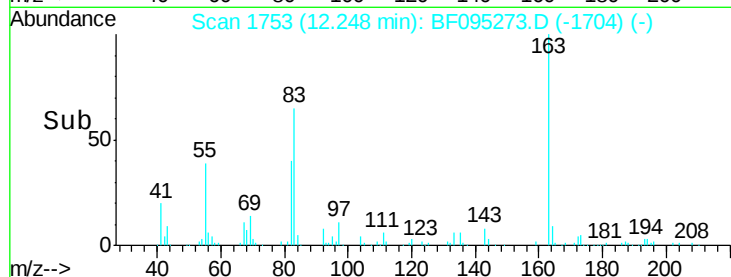
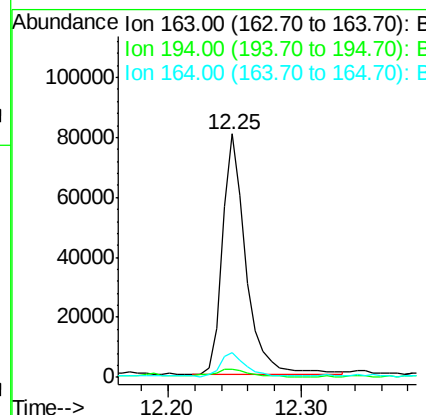
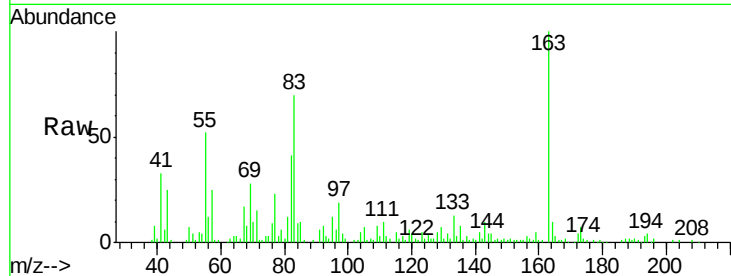
#49
Dimethylphthalate
Concen: 7.32 ng
RT: 12.25 min Scan# 1753
Delta R.T. -0.01 min
Lab File: BF095273.D
Acq: 19 May 2017 20:34

Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-BATCH-10

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	99902		
194	3.6	2.6	4.0	
164	10.1	8.4	12.6	

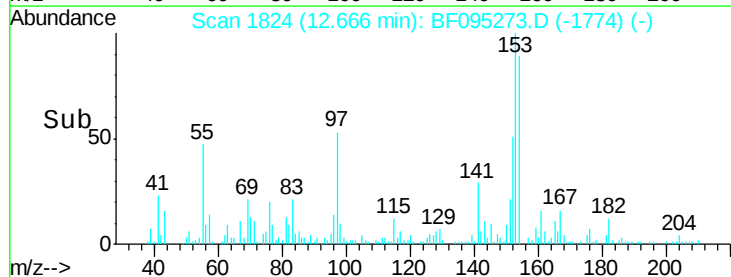
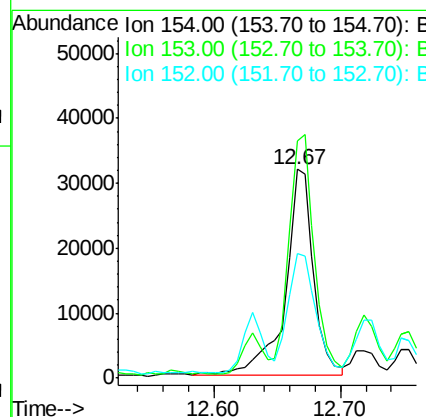
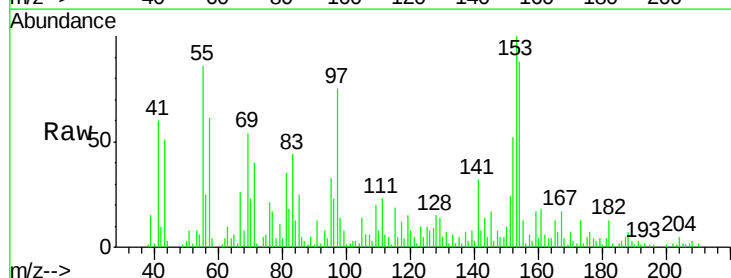
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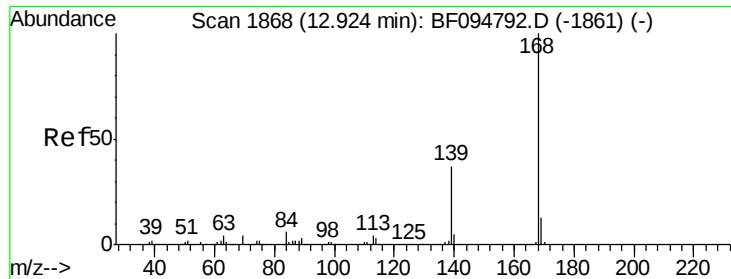
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#51
Acenaphthene
Concen: 4.62 ng
RT: 12.67 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF095273.D
Acq: 19 May 2017 20:34

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	48799		
153	113.6	90.5	135.7	
152	59.7	43.6	65.4	





#54

Dibenzenofuran

Concen: 3.24 ng m

RT: 12.97 min Scan# 1875

Delta R.T. 0.01 min

Lab File: BF095273.D

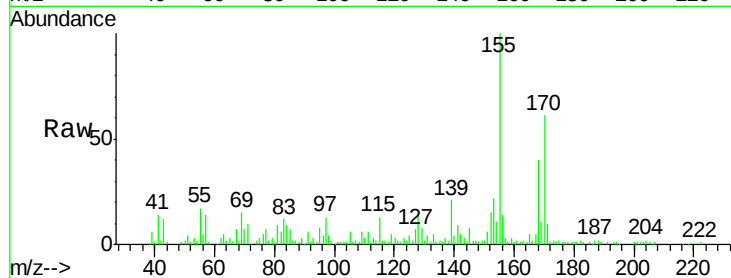
Acq: 19 May 2017 20:34

Instrument :

BNA_F

ClientSampleId :

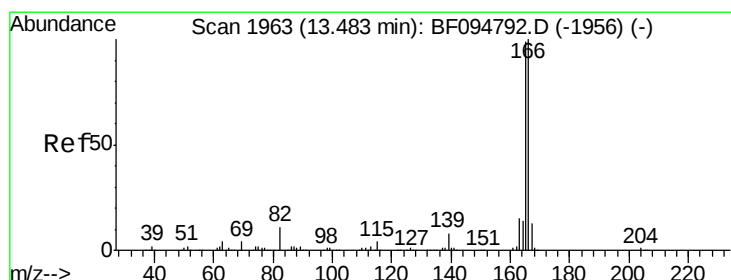
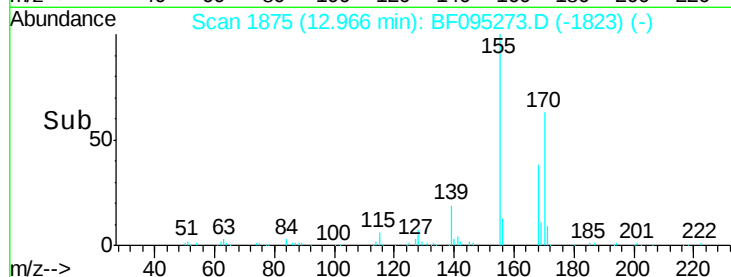
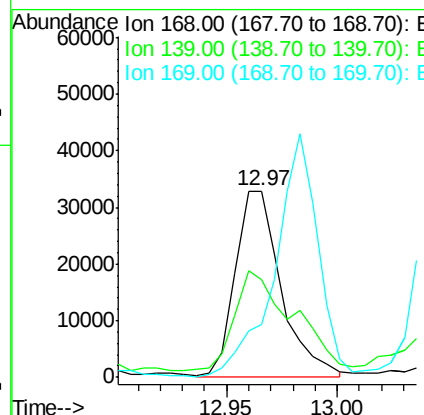
E2-CONCRETE-BATCH-10



Tgt Ion:	168	Resp:	47463
Ion Ratio	Lower	Upper	
168	100		
139	52.1	30.6	45.8#
169	28.3	10.8	16.2#

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#57

Fluorene

Concen: 8.95 ng

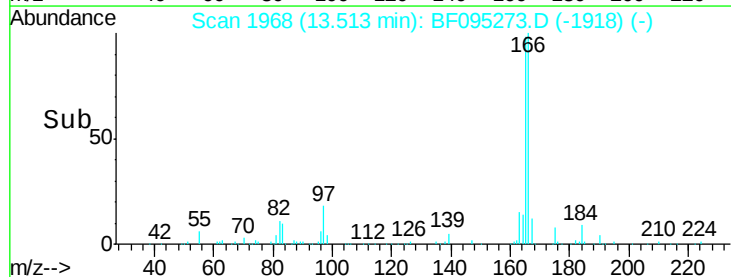
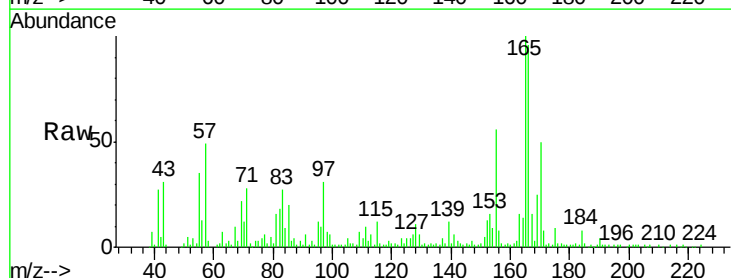
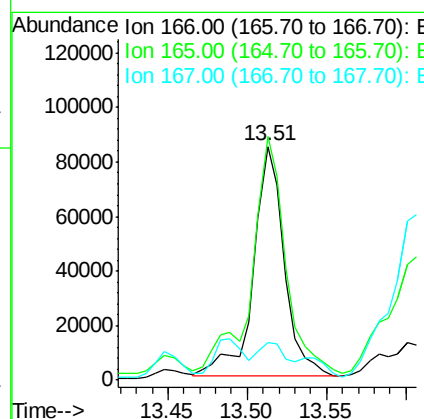
RT: 13.51 min Scan# 1968

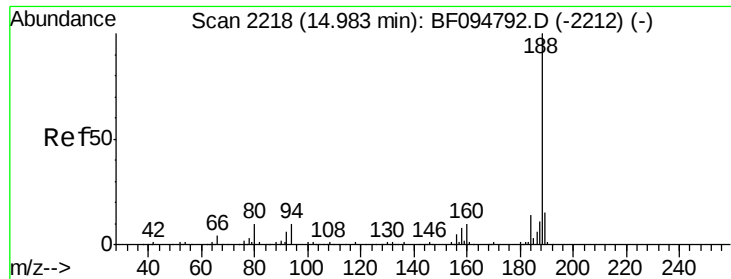
Delta R.T. -0.01 min

Lab File: BF095273.D

Acq: 19 May 2017 20:34

Tgt Ion:	166	Resp:	113865
Ion Ratio	Lower	Upper	
166	100		
165	104.1	78.8	118.2
167	16.3	10.6	16.0#





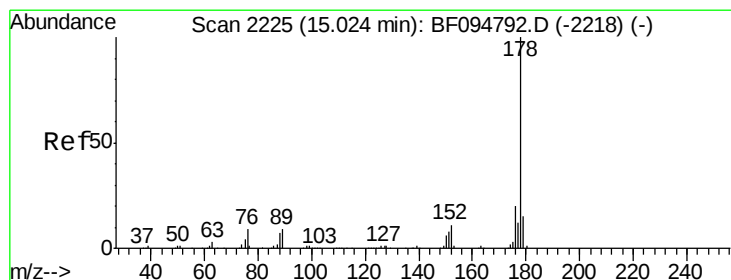
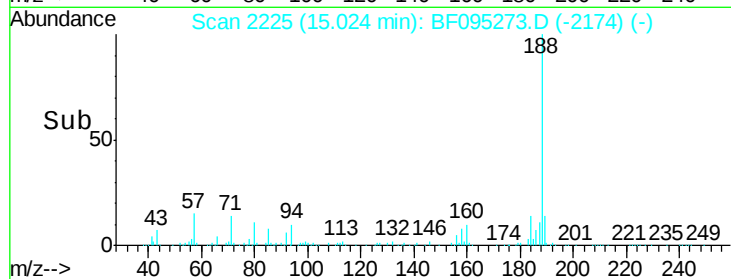
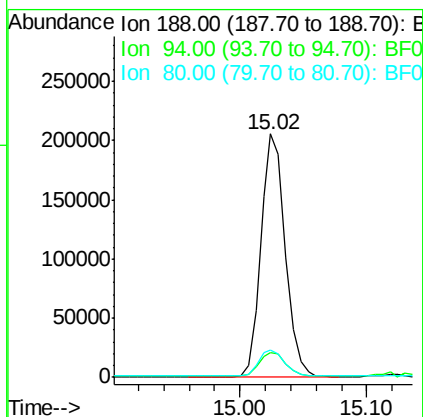
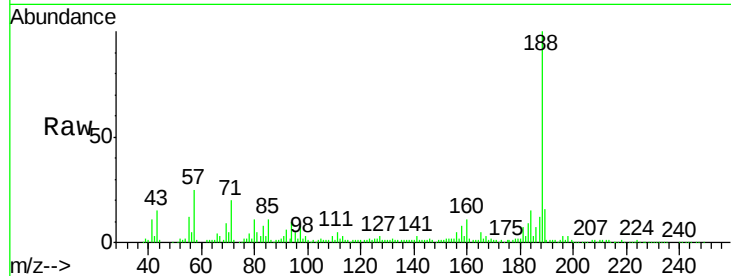
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 15.02 min Scan# 2225
Delta R.T. 0.00 min
Lab File: BF095273.D
Acq: 19 May 2017 20:34

Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-BATCH-10

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	275138		
94	10.4		9.4	14.2
80	11.5		10.2	15.2

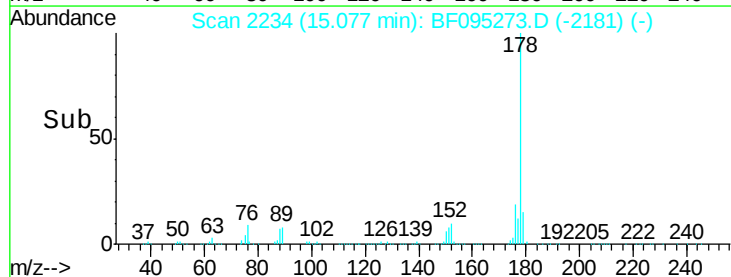
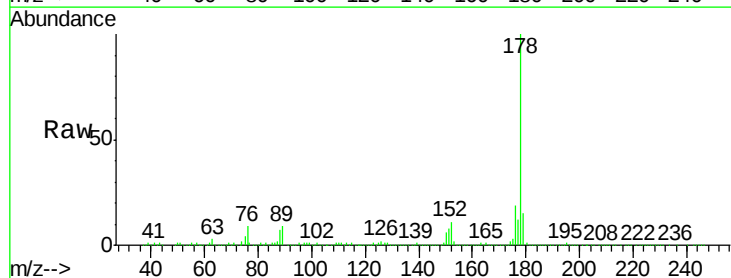
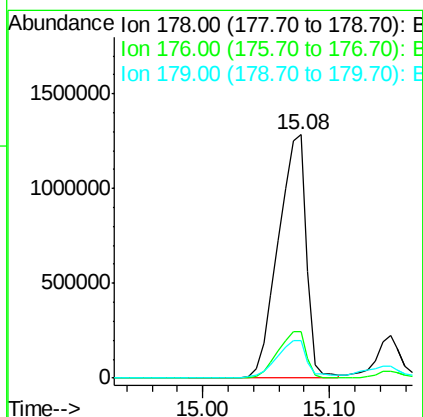
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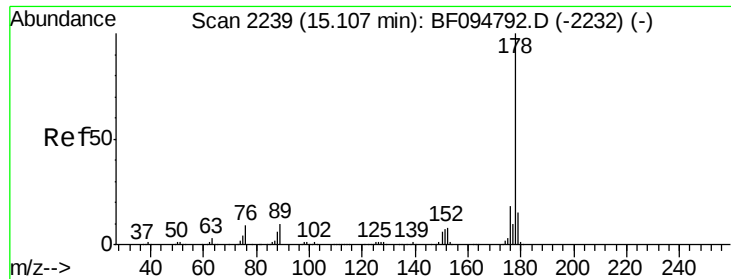
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#70
Phenanthrene
Concen: 125.09 ng
RT: 15.08 min Scan# 2234
Delta R.T. 0.01 min
Lab File: BF095273.D
Acq: 19 May 2017 20:34

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1977474		
176	19.3		16.2	24.4
179	15.4		12.6	19.0





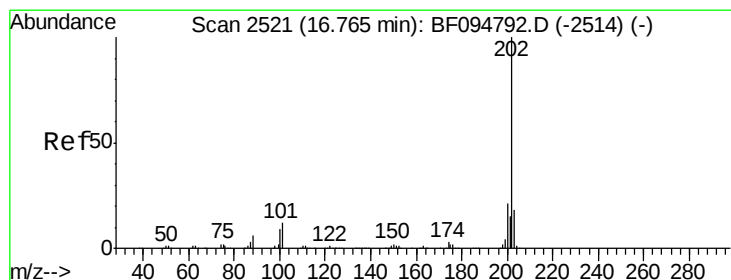
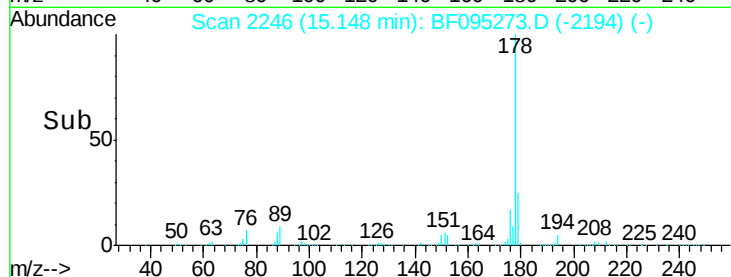
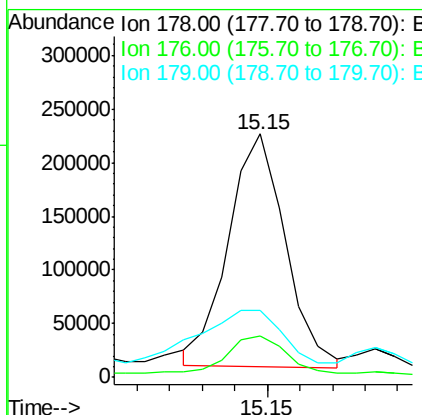
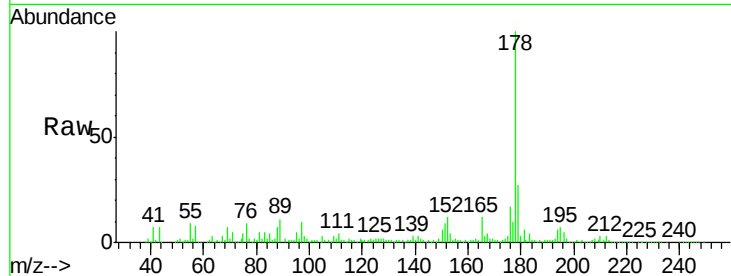
#71
 Anthracene
 Concen: 16.31 ng m
 RT: 15.15 min Scan# 2246
 Delta R.T. 0.01 min
 Lab File: BF095273.D
 Acq: 19 May 2017 20:34

Instrument :
 BNA_F
 ClientSampleId :
 E2-CONCRETE-BATCH-10

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.1	15.8	23.8
179	27.2	12.7	19.1

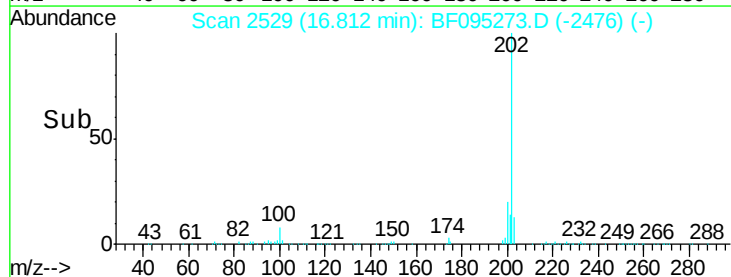
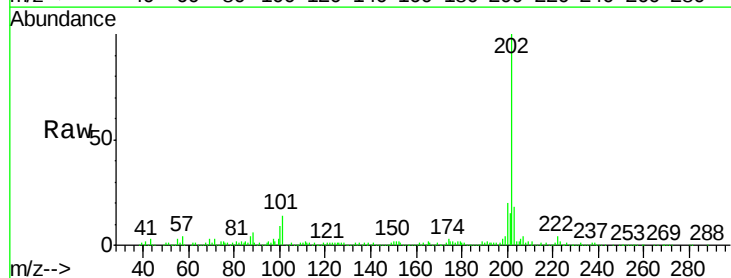
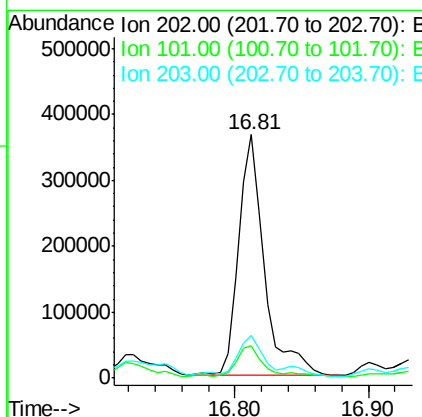
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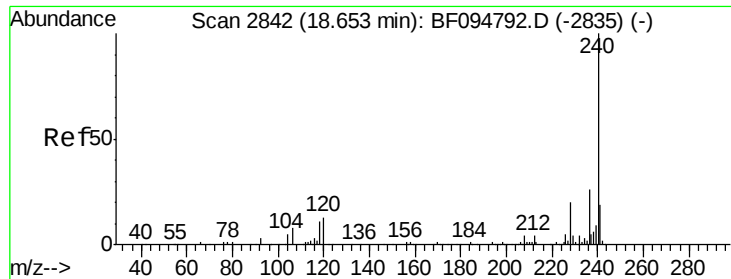
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#74
 Fluoranthene
 Concen: 30.51 ng
 RT: 16.81 min Scan# 2529
 Delta R.T. 0.01 min
 Lab File: BF095273.D
 Acq: 19 May 2017 20:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	33.2
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.69 min Scan# 2849

Delta R.T. 0.00 min

Lab File: BF095273.D

Acq: 19 May 2017 20:34

Instrument :

BNA_F

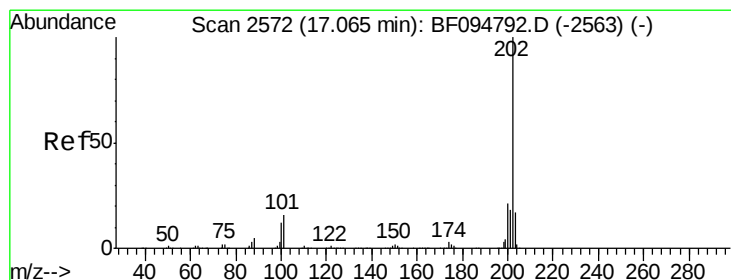
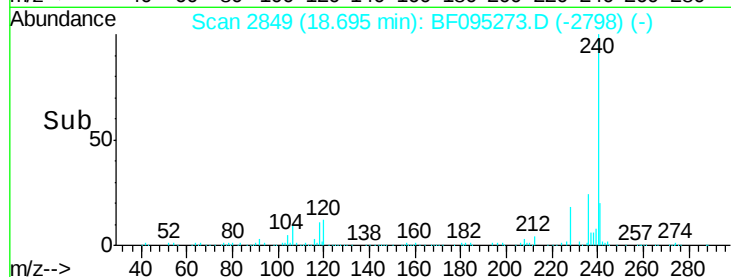
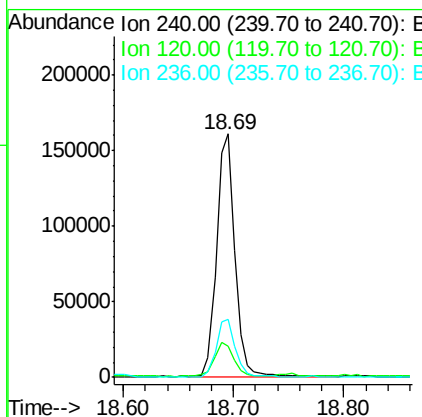
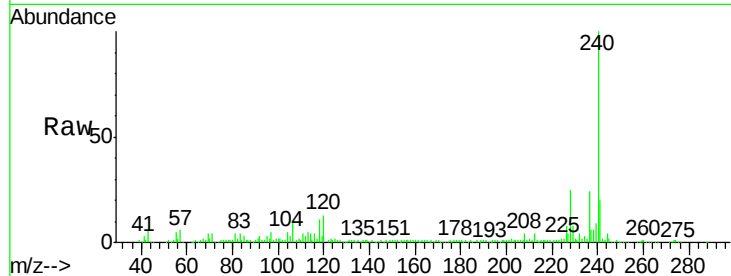
ClientSampleId :

E2-CONCRETE-BATCH-10

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.9	5.8	8.8#
236	23.8	20.5	30.7

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#77

Pyrene

Concen: 122.07 ng

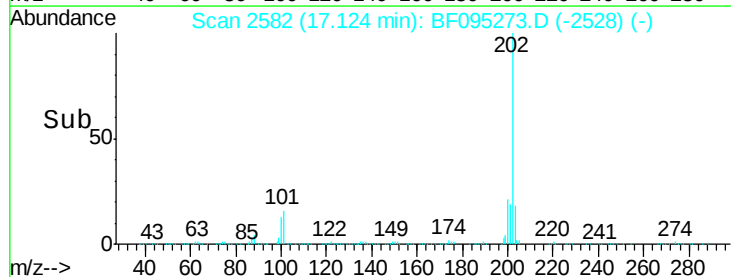
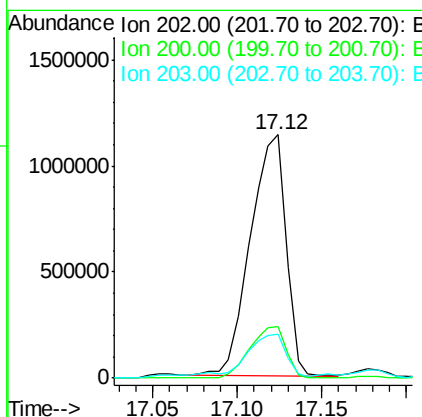
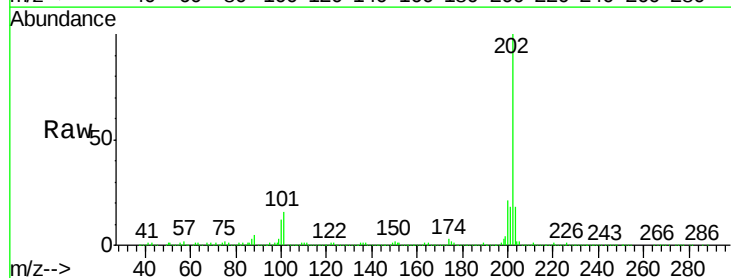
RT: 17.12 min Scan# 2582

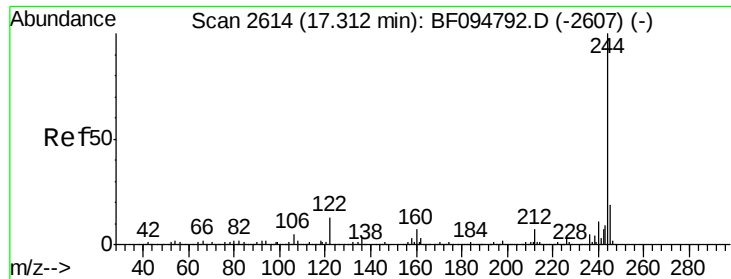
Delta R.T. 0.02 min

Lab File: BF095273.D

Acq: 19 May 2017 20:34

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.6	26.4
203	17.8	14.4	21.6





#78

Terphenyl-d14

Concen: 73.99 ng

RT: 17.35 min Scan# 2620

Delta R.T. 0.00 min

Lab File: BF095273.D

Acq: 19 May 2017 20:34

Instrument :

BNA_F

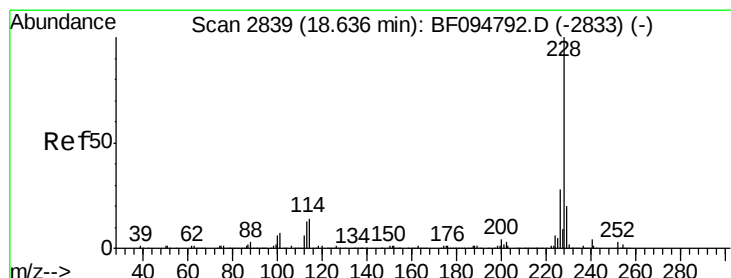
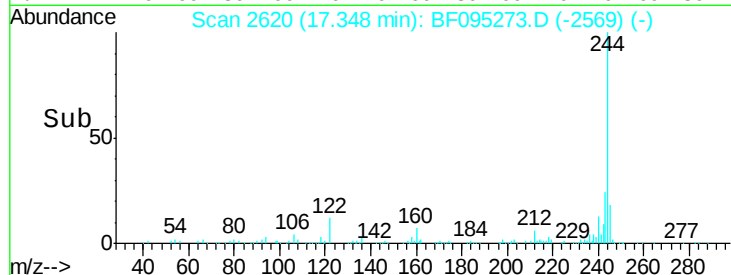
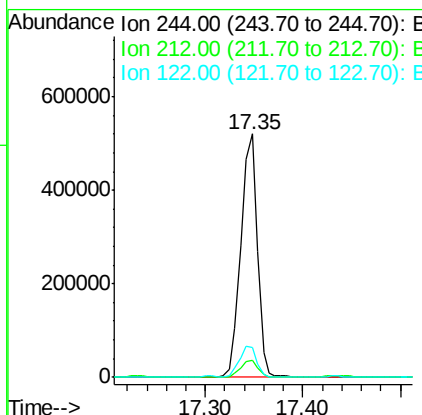
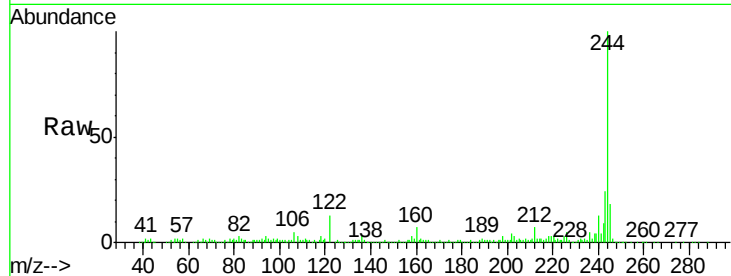
ClientSampleId :

E2-CONCRETE-BATCH-10

Tgt Ion:	244	Resp:	616074
Ion Ratio	Lower	Upper	
244	100		
212	6.9	6.0	9.0
122	12.5	10.3	15.5

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#80

Benzo(a)anthracene

Concen: 14.87 ng m

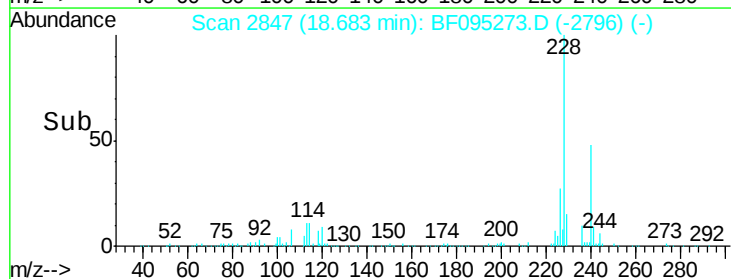
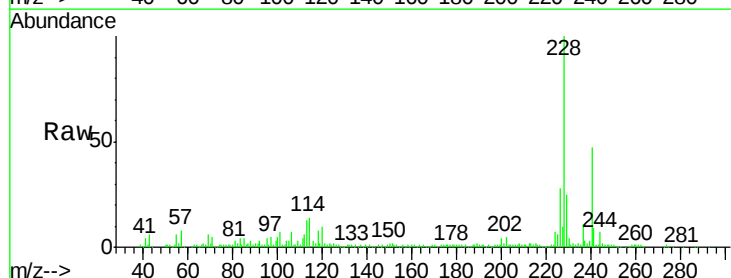
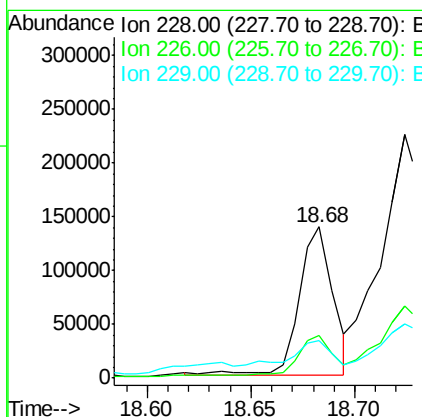
RT: 18.68 min Scan# 2847

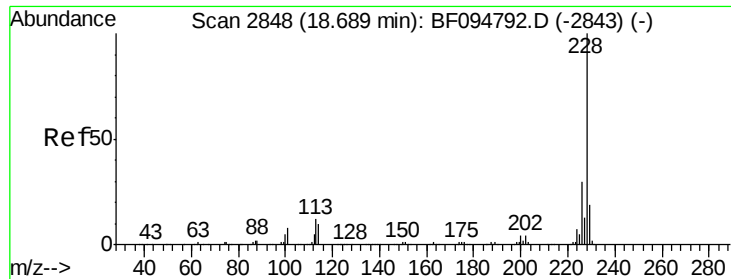
Delta R.T. 0.00 min

Lab File: BF095273.D

Acq: 19 May 2017 20:34

Tgt Ion:	228	Resp:	158695
Ion Ratio	Lower	Upper	
228	100		
226	28.4	22.6	33.8
229	24.6	16.3	24.5#





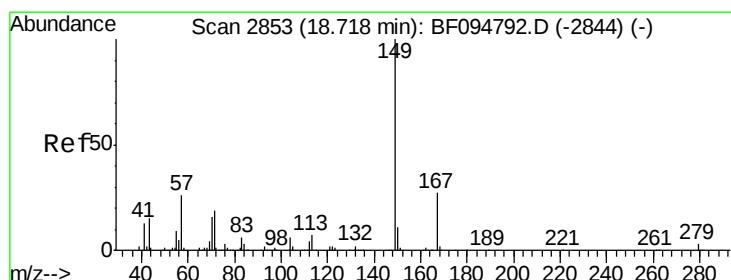
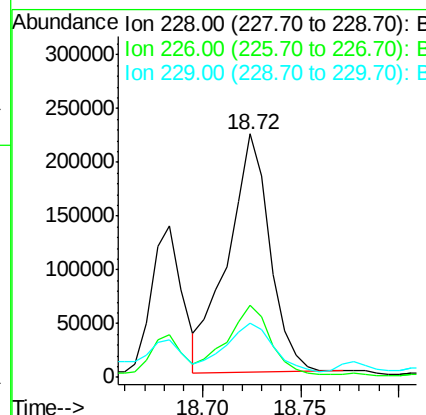
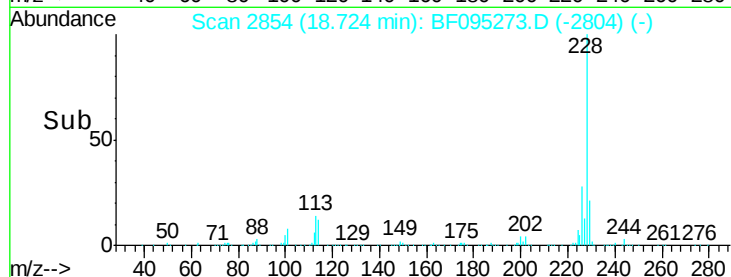
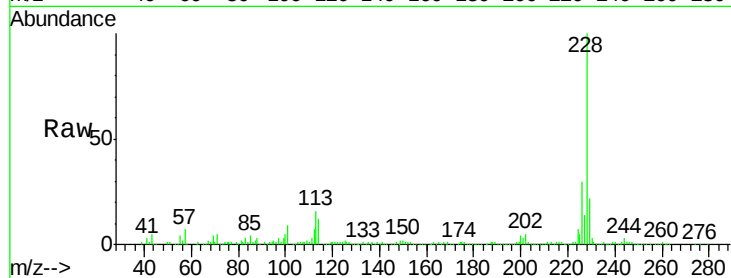
#82
Chrysene
Concen: 32.09 ng
RT: 18.72 min Scan# 2854
Delta R.T. -0.01 min
Lab File: BF095273.D
Acq: 19 May 2017 20:34

Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-BATCH-10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.9	37.3
229	22.1	15.8	23.6

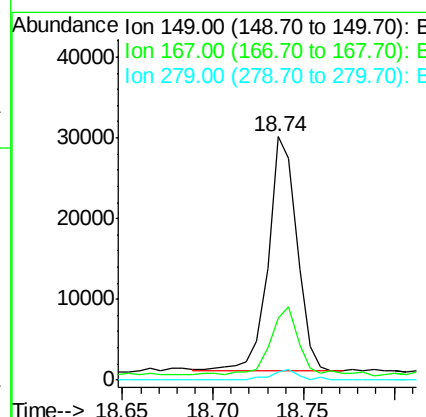
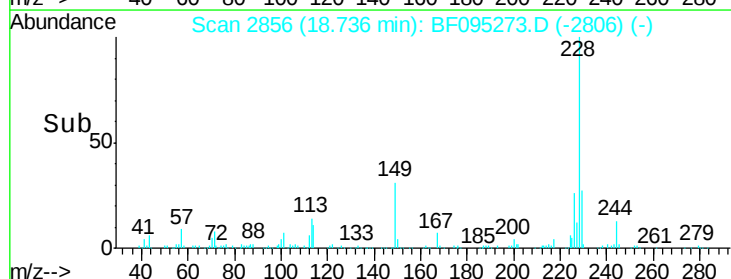
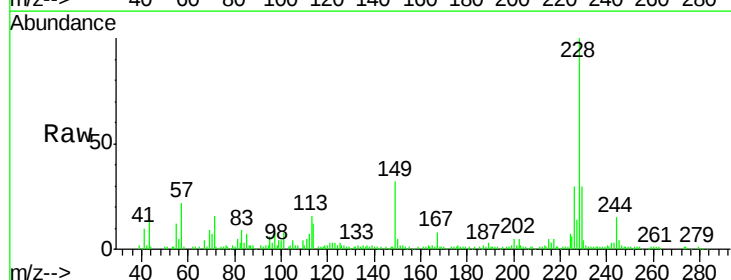
Manual Integrations
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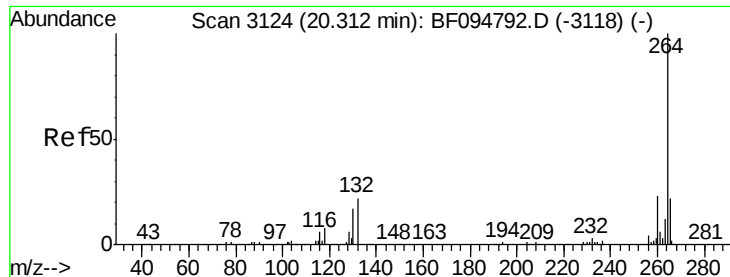
mohammad
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#83
Bis(2-ethylhexyl)phthalate
Concen: 3.53 ng
RT: 18.74 min Scan# 2856
Delta R.T. -0.01 min
Lab File: BF095273.D
Acq: 19 May 2017 20:34

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.5	21.0	31.4
279	3.1	1.9	2.9#





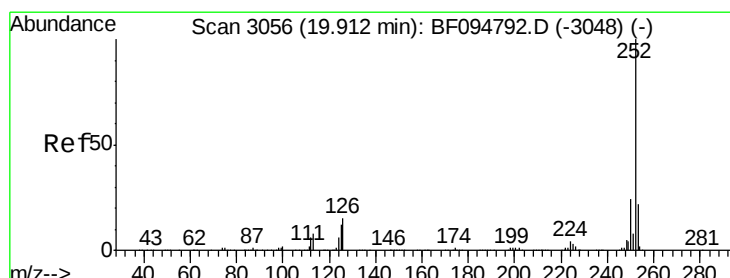
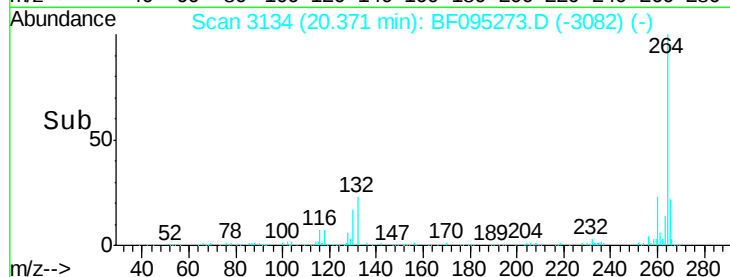
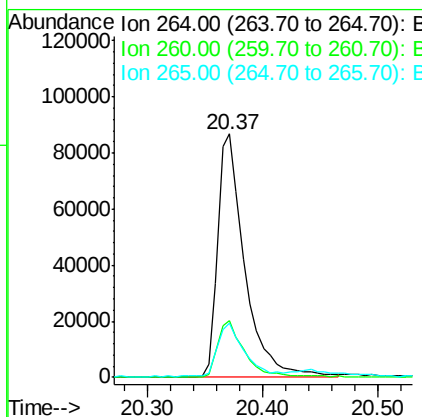
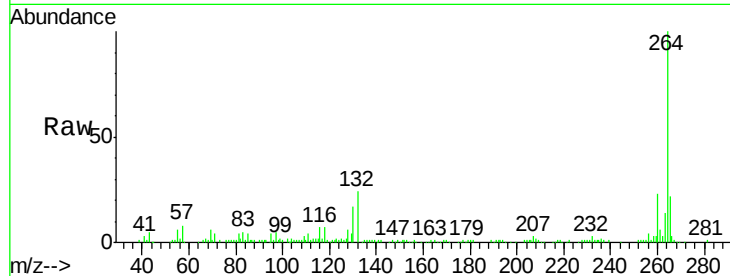
#86
Perylene-d12
Concen: 20.00 ng
RT: 20.37 min Scan# 3134
Delta R.T. 0.01 min
Lab File: BF095273.D
Acq: 19 May 2017 20:34

Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-BATCH-10

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	23.4	19.5	29.3
265	22.1	17.2	25.8

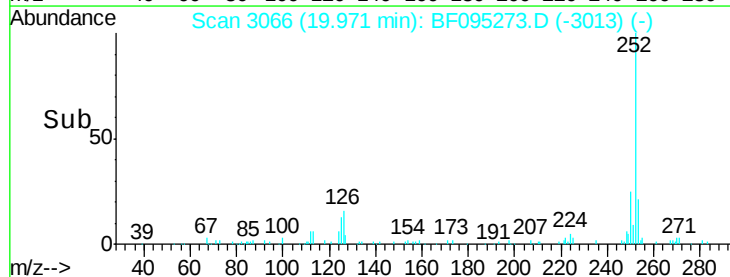
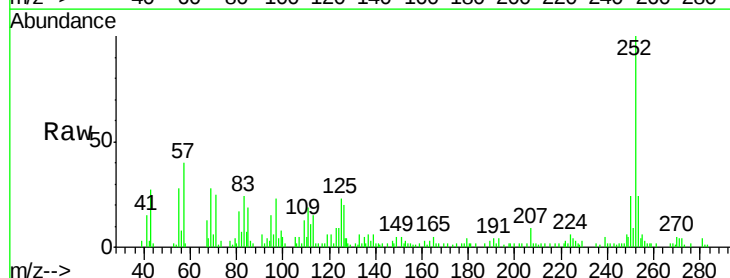
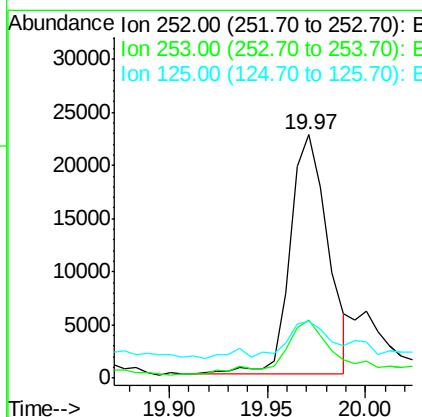
Manual Integrations
APPROVED

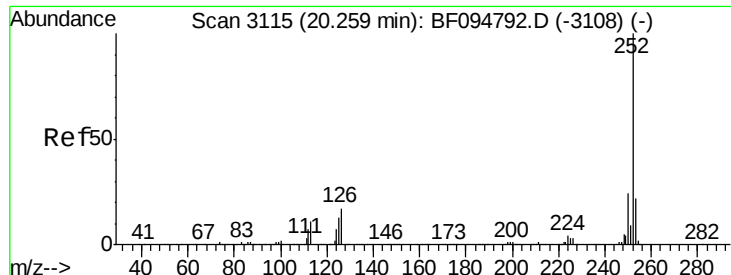
mohammad
5/22/2017 1:29:51 PM



#87
Benzo(b)fluoranthene
Concen: 3.48 ng m
RT: 19.97 min Scan# 3066
Delta R.T. 0.01 min
Lab File: BF095273.D
Acq: 19 May 2017 20:34

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	24.1	18.1	27.1
125	23.1	9.8	14.8#





#89
 Benzo(a)pyrene
 Concen: 2.49 ng
 RT: 20.32 min Scan# 3126
 Delta R.T. 0.01 min
 Lab File: BF095273.D
 Acq: 19 May 2017 20:34

Instrument :
 BNA_F
 ClientSampleId :
 E2-CONCRETE-BATCH-10

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	24.0	17.5	26.3
125	22.7	11.0	16.4

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