

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
 Data File : BF095393.D
 Acq On : 24 May 2017 17:23
 Operator : SJ/MA
 Sample : I3200-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-38-20170517

Manual Integrations
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Quant Time: May 25 03:58:08 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	7.75	152	93637	20.00	ng	-0.02
21) Naphthalene-d8	9.77	136	385805	20.00	ng	-0.01
38) Acenaphthene-d10	12.60	164	167687	20.00	ng	-0.02
63) Phenanthrene-d10	15.00	188	261688	20.00	ng	-0.02
75) Chrysene-d12	18.68	240	200717	20.00	ng	-0.02
86) Perylene-d12	20.35	264	159226	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	610536	108.71	ng	-0.02
7) Phenol-d6	7.29	99	772186	114.59	ng	-0.02
23) Nitrobenzene-d5	8.65	82	433643	70.88	ng	-0.02
41) 2,4,6-Tribromophenol	13.90	330	125892	91.67	ng	-0.02
44) 2-Fluorobiphenyl	11.54	172	857125	73.57	ng	-0.02
78) Terphenyl-d14	17.32	244	554343	60.83	ng	-0.02
Target Compounds						
48) Acenaphthylene	12.38	152	68893	3.86	ng	Qvalue 99
49) Dimethylphthalate	12.24	163	196875	14.30	ng	97
70) Phenanthrene	15.04	178	458011	30.46	ng	98
71) Anthracene	15.14	178	102835	6.70	ng	95
72) Carbazole	15.43	167	42224	3.02	ng	99
74) Fluoranthene	16.78	202	717892	46.54	ng	99
77) Pyrene	17.09	202	654422	43.59	ng	98
80) Benzo(a)anthracene	18.67	228	314161	26.89	ng	95
82) Chrysene	18.71	228	325757	28.84	ng	99
83) Bis(2-ethylhexyl)phthalate	18.73	149	55546	5.58	ng	# 77
84) Di-n-octyl phthalate	19.50	149	56283	3.45	ng	# 95
85) Indeno(1,2,3-cd)pyrene	21.69	276	145846	15.90	ng	# 91
87) Benzo(b)fluoranthene	19.95	252	380243m	38.65	ng	
88) Benzo(k)fluoranthene	19.98	252	127828m	13.47	ng	
89) Benzo(a)pyrene	20.30	252	235200	25.91	ng	97
90) Dibenzo(a,h)anthracene	21.68	278	35751	4.77	ng	# 91
91) Benzo(a,h,i)perylene	22.08	276	146719	19.94	ng	98

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

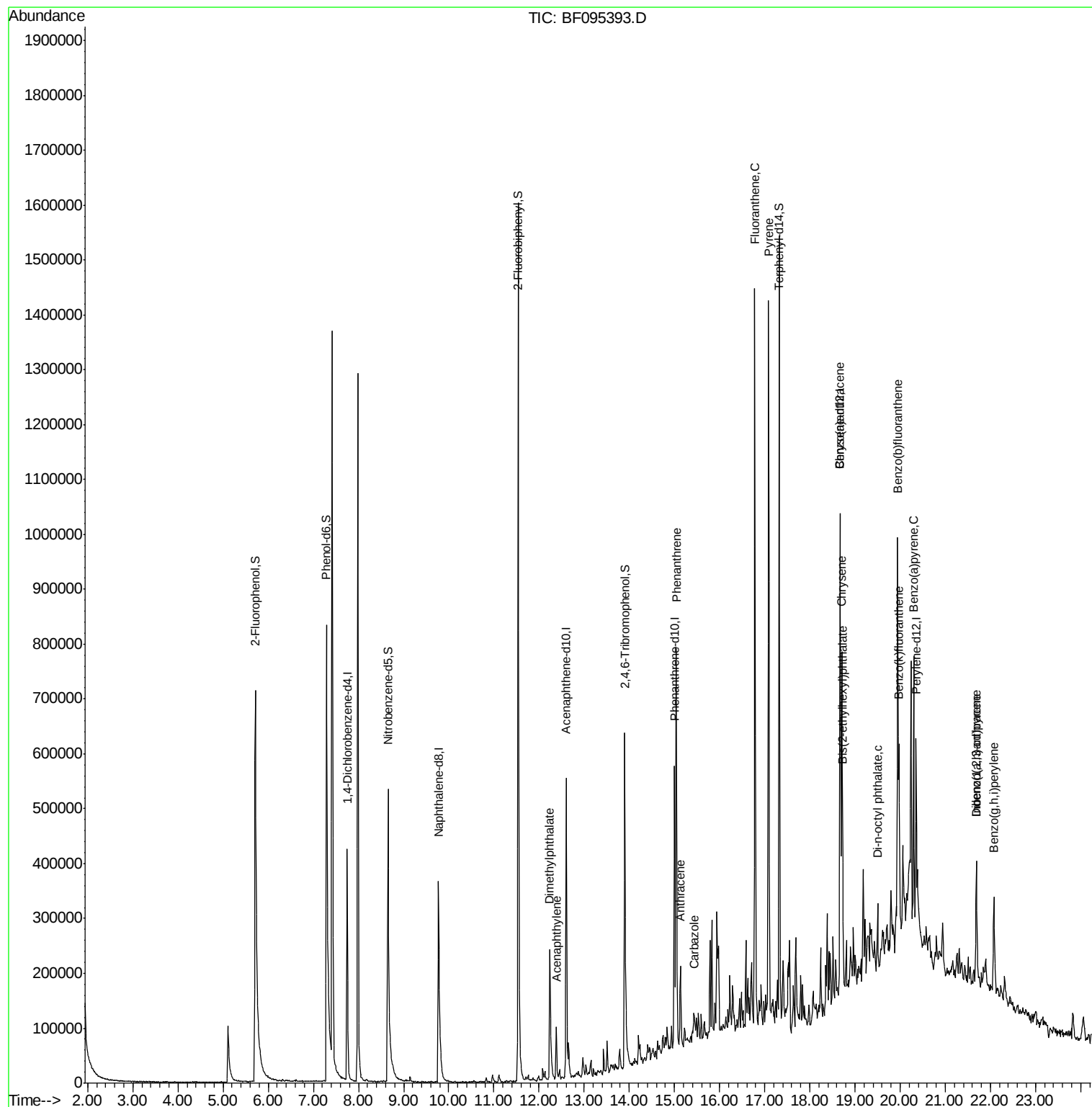
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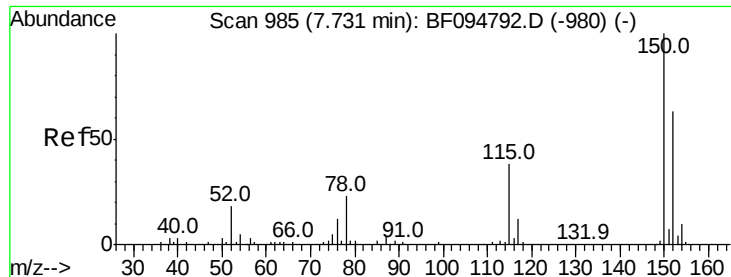
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#1

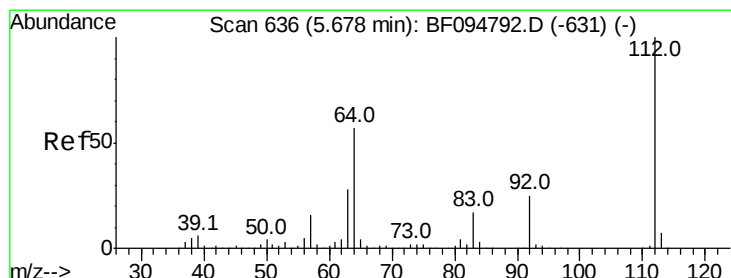
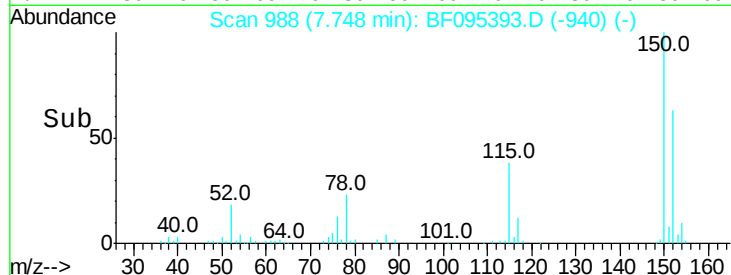
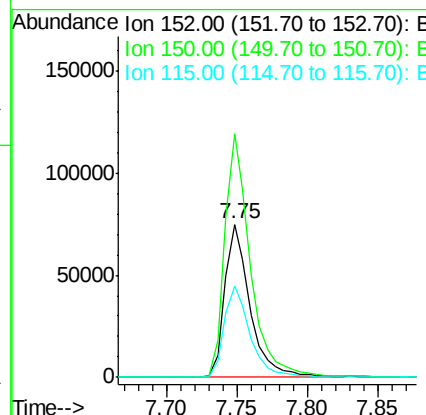
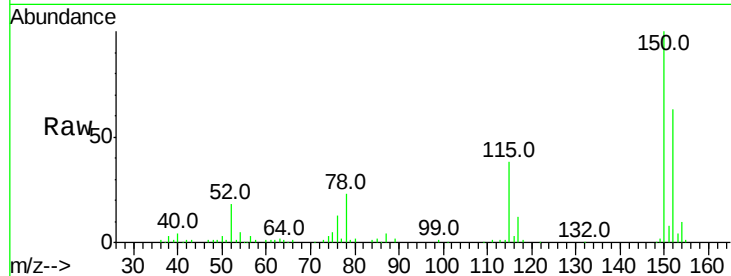
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.75 min Scan# 988
Delta R.T. -0.02 min
Lab File: BF095393.D
Acq: 24 May 2017 17:23

Instrument :
BNA_F
ClientSampleId :
POST-EX-38-20170517

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	126.2	189.2
115	59.9	52.2	78.2

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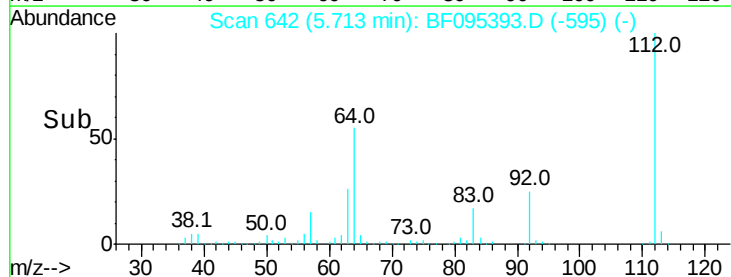
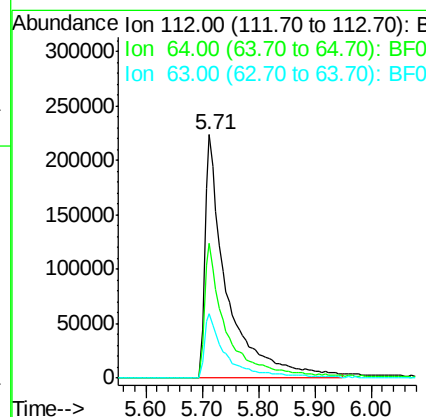
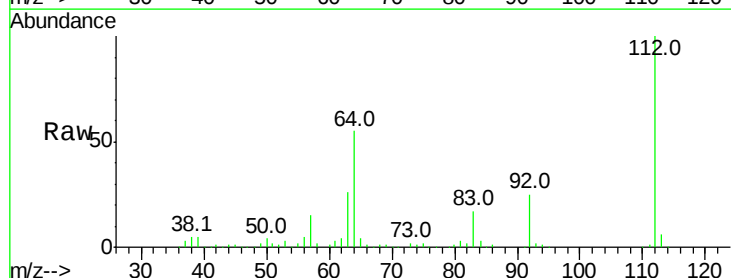
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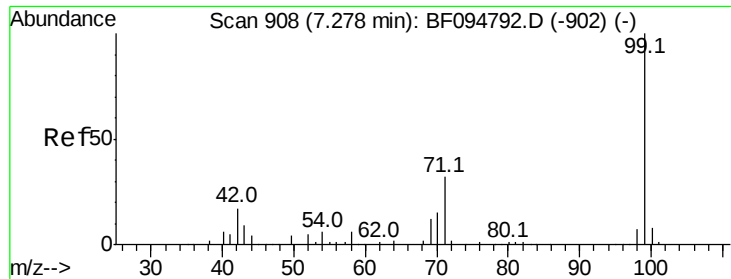


#5

2-Fluorophenol
Concen: 108.71 ng
RT: 5.71 min Scan# 642
Delta R.T. -0.02 min
Lab File: BF095393.D
Acq: 24 May 2017 17:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.5	46.0	69.0
63	26.5	23.4	35.0





#7

Phenol-d6

Concen: 114.59 ng

RT: 7.29 min Scan# 910

Delta R.T. -0.02 min

Lab File: BF095393.D

Acq: 24 May 2017 17:23

Instrument :

BNA_F

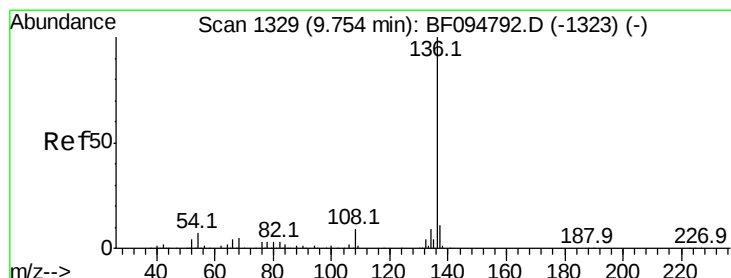
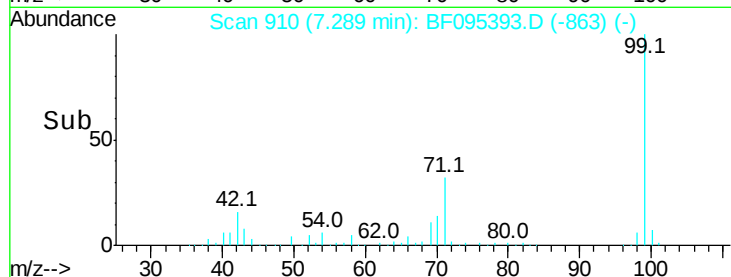
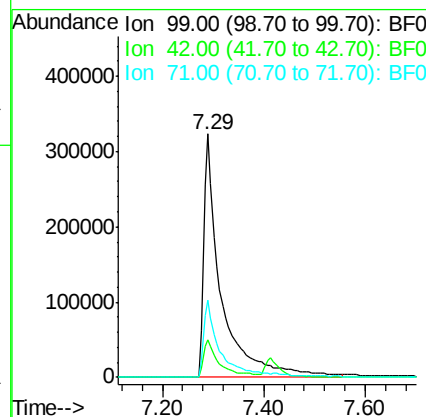
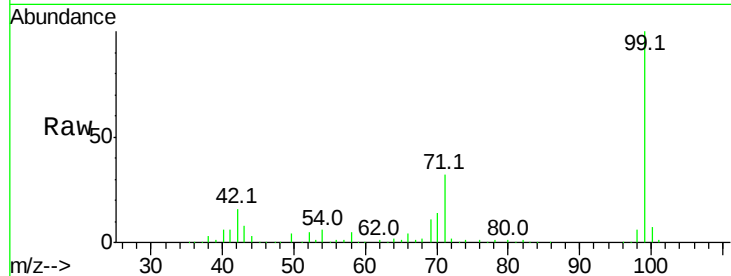
ClientSampleId :

POST-EX-38-20170517

Tot Ion:	99	Resp:	772186
Ion Ratio	Lower	Upper	
99	100		
42	15.7	13.5	20.3
71	31.7	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

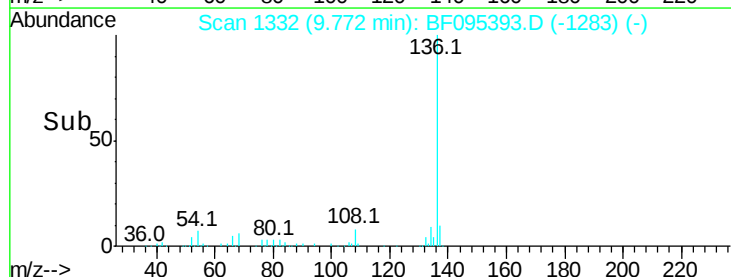
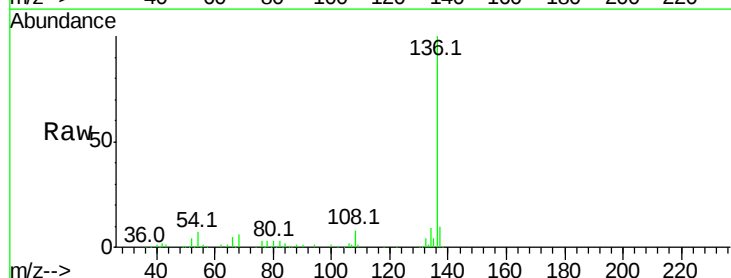
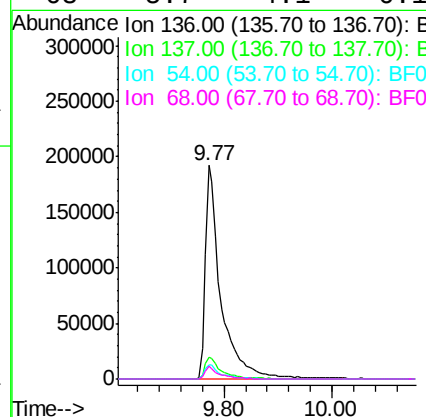
RT: 9.77 min Scan# 1332

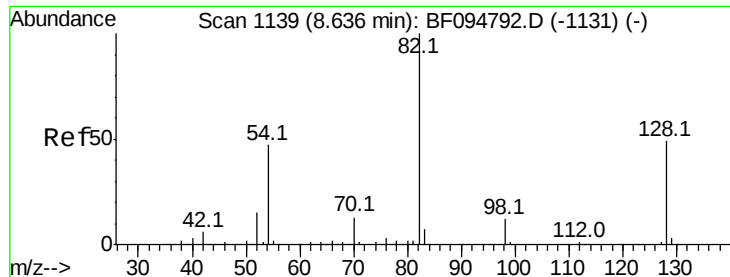
Delta R.T. -0.01 min

Lab File: BF095393.D

Acq: 24 May 2017 17:23

Tgt Ion:	136	Resp:	385805
Ion Ratio	Lower	Upper	
136	100		
137	10.3	8.5	12.7
54	6.8	4.9	7.3
68	5.7	4.1	6.1





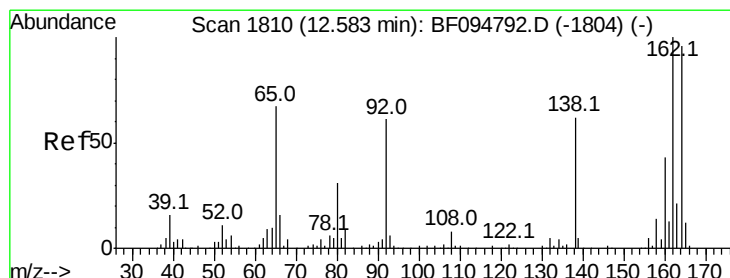
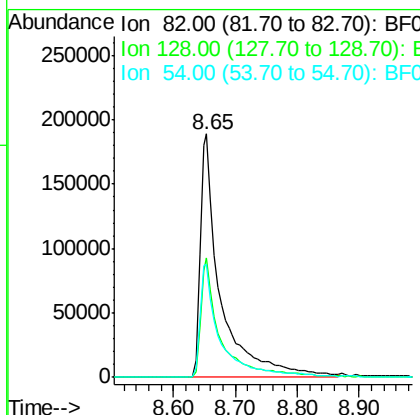
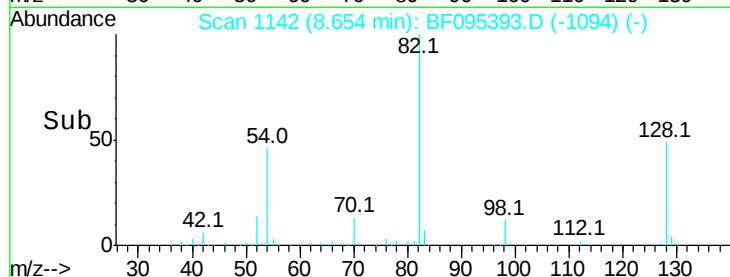
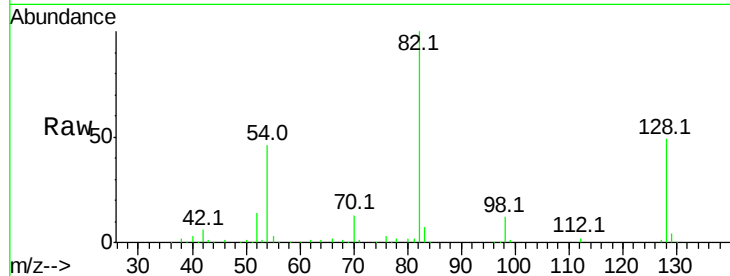
#23
 Nitrobenzene-d5
 Concen: 70.88 ng
 RT: 8.65 min Scan# 1142
 Delta R.T. -0.02 min
 Lab File: BF095393.D
 Acq: 24 May 2017 17:23

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-38-20170517

Tot Ion	82	Resp	433643
Ion Ratio	100	Lower	Upper
82	100		
128	48.9	34.0	51.0
54	46.3	42.2	63.2

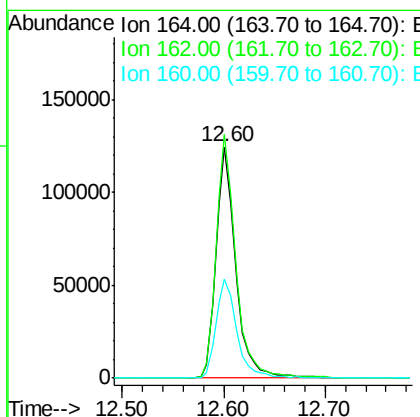
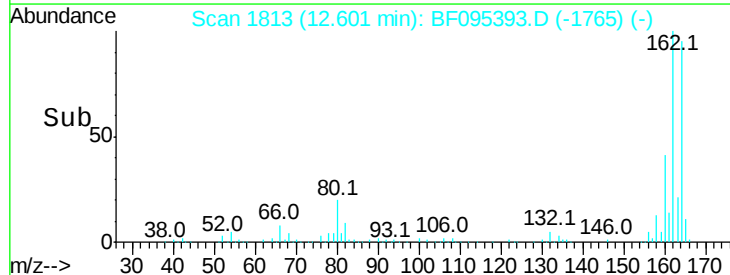
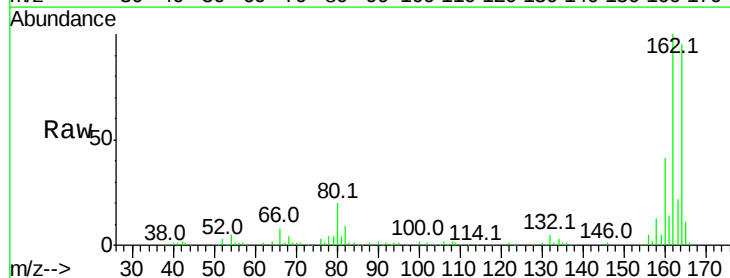
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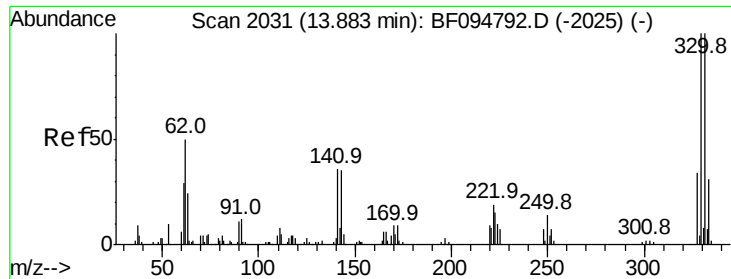
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.60 min Scan# 1813
 Delta R.T. -0.02 min
 Lab File: BF095393.D
 Acq: 24 May 2017 17:23

Tgt Ion	164	Resp	167687
Ion Ratio	100	Lower	Upper
164	100		
162	105.5	82.6	123.8
160	43.1	36.2	54.2





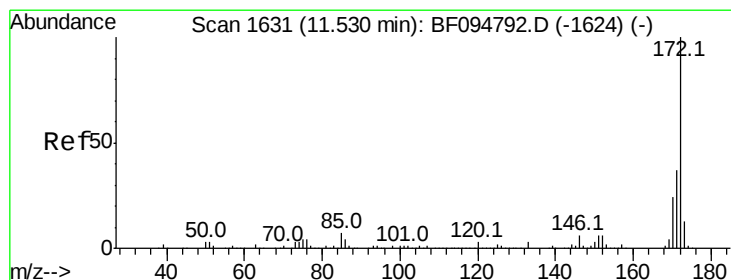
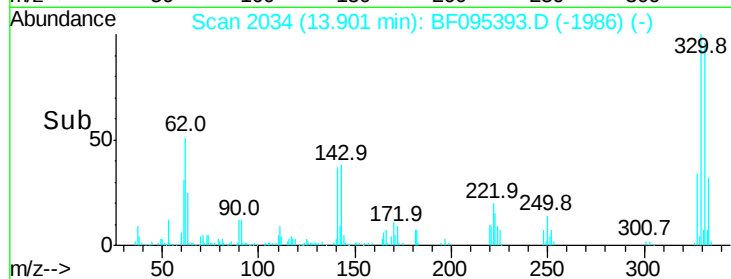
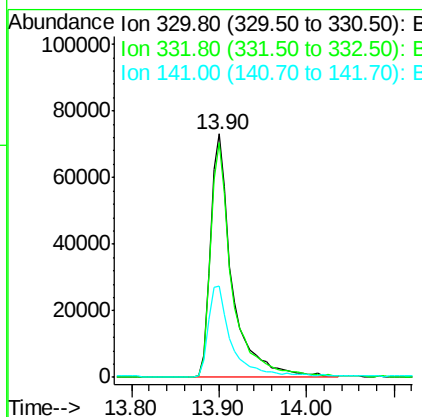
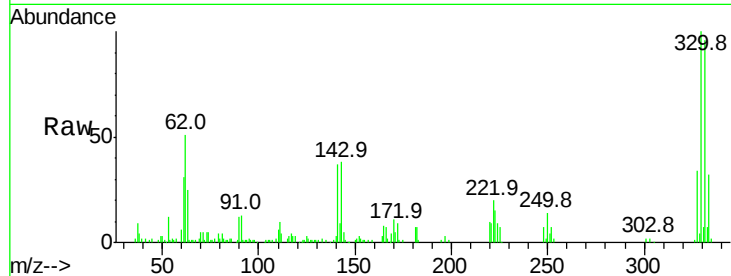
#41
 2,4,6-Tribromophenol
 Concen: 91.67 ng
 RT: 13.90 min Scan# 2034
 Delta R.T. -0.02 min
 Lab File: BF095393.D
 Acq: 24 May 2017 17:23

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-38-20170517

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.8	76.6	115.0	
141	40.7	31.4	47.2	

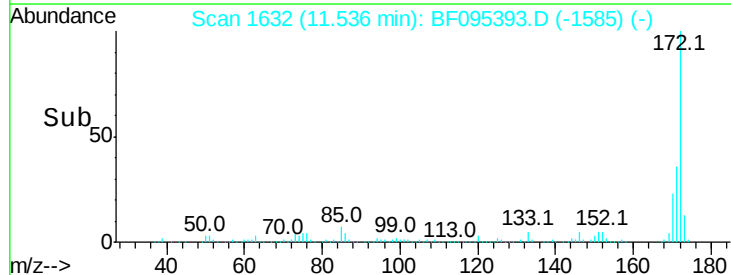
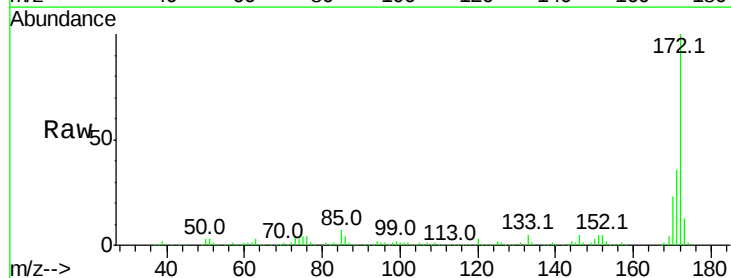
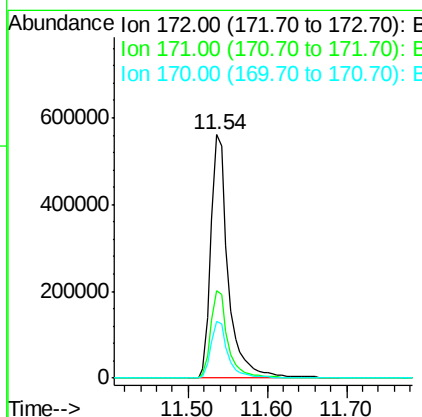
Manual Integrations
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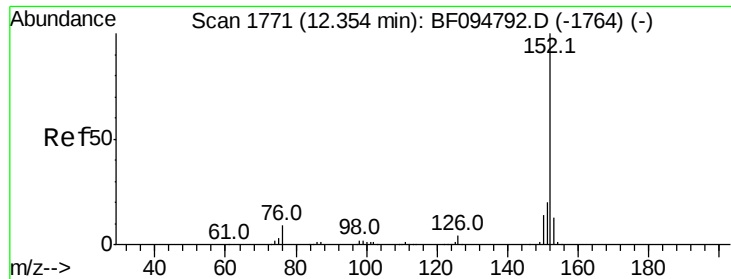
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#44
 2-Fluorobiphenyl
 Concen: 73.57 ng
 RT: 11.54 min Scan# 1632
 Delta R.T. -0.02 min
 Lab File: BF095393.D
 Acq: 24 May 2017 17:23

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.1	29.6	44.4	
170	23.3	19.8	29.8	





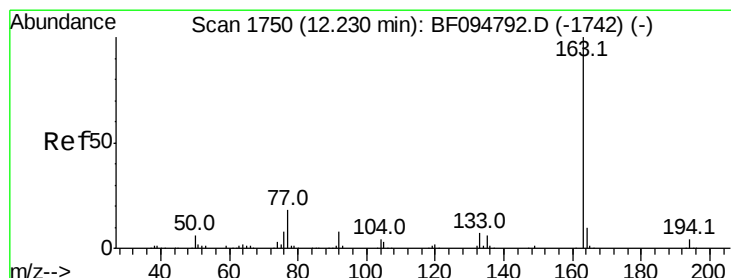
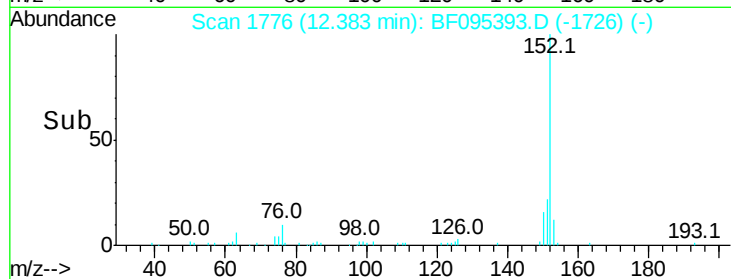
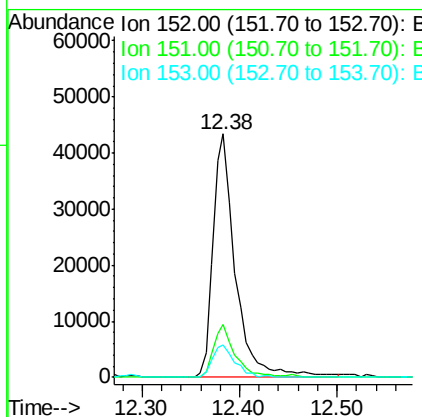
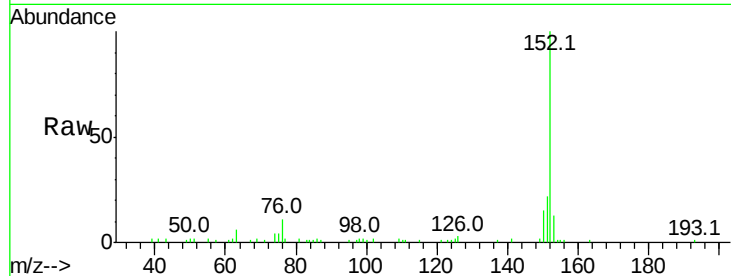
#48
Acenaphthylene
Concen: 3.86 ng
RT: 12.38 min Scan# 1776
Delta R.T. -0.01 min
Lab File: BF095393.D
Acq: 24 May 2017 17:23

Instrument :
BNA_F
ClientSampleId :
POST-EX-38-20170517

Tot Ion	Ratio	Resp	Lower	Upper
152	100	68893		
151	21.7		16.8	25.2
153	13.4		10.8	16.2

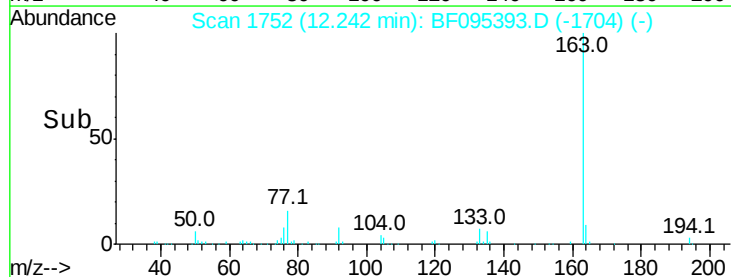
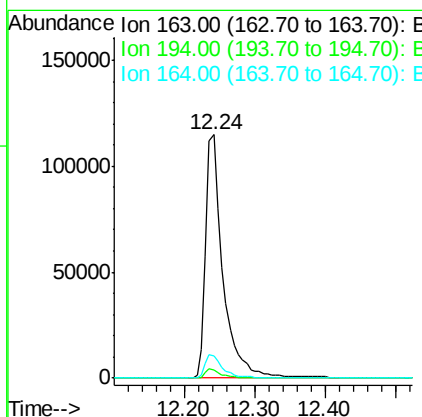
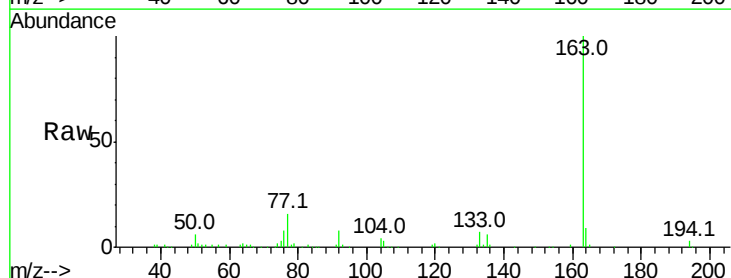
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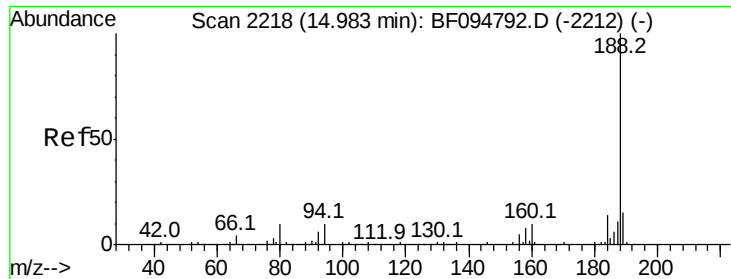
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#49
Dimethylphthalate
Concen: 14.30 ng
RT: 12.24 min Scan# 1752
Delta R.T. -0.02 min
Lab File: BF095393.D
Acq: 24 May 2017 17:23

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	196875		
194	3.2		2.6	4.0
164	9.0		8.4	12.6





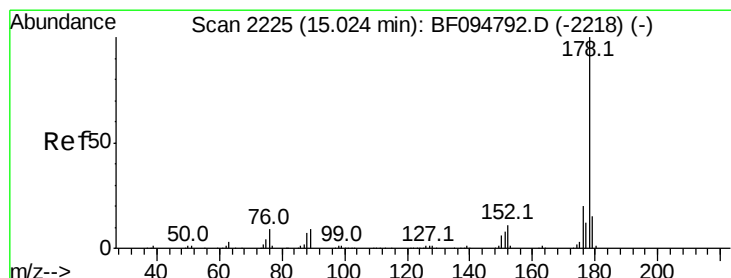
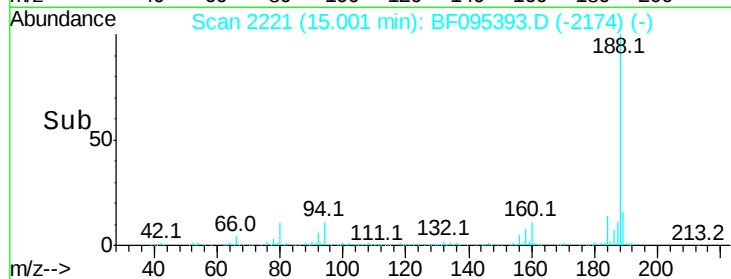
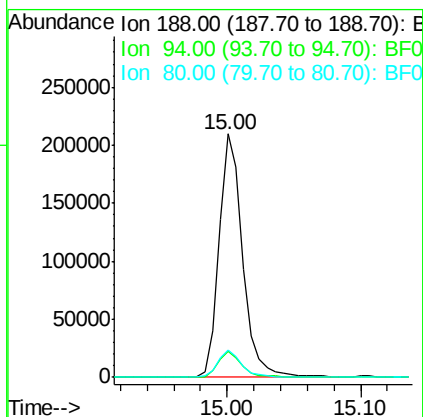
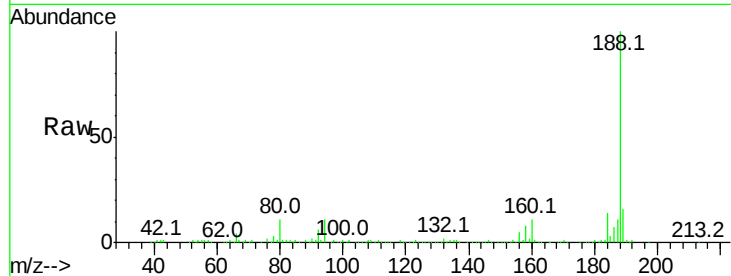
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 15.00 min Scan# 2221
Delta R.T. -0.02 min
Lab File: BF095393.D
Acq: 24 May 2017 17:23

Instrument :
BNA_F
ClientSampleId :
POST-EX-38-20170517

Tot Ion	Ratio	Resp	Lower	Upper
188	100	261688		
94	10.6		9.4	14.2
80	11.2		10.2	15.2

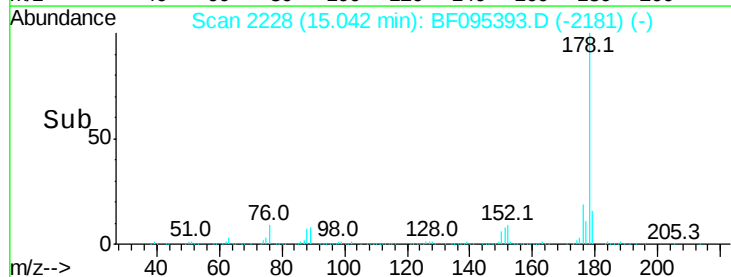
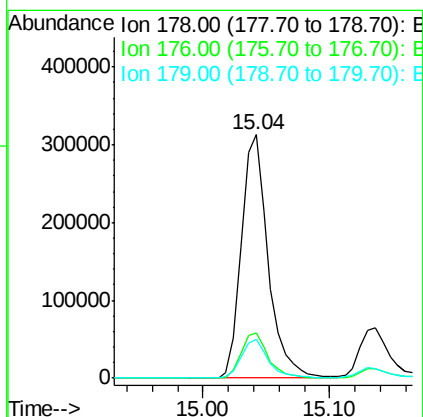
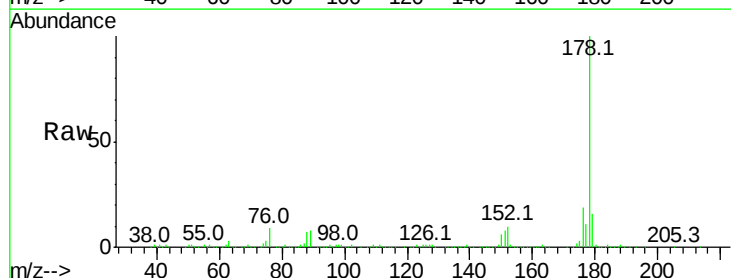
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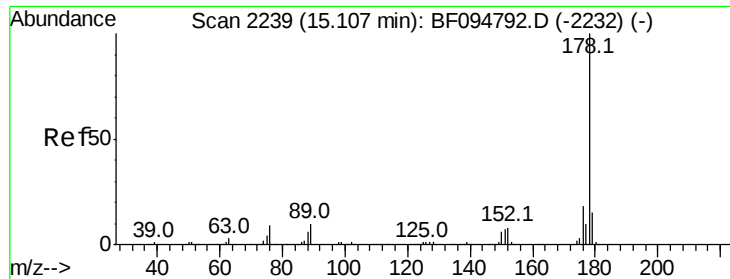
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#70
Phenanthrene
Concen: 30.46 ng
RT: 15.04 min Scan# 2228
Delta R.T. -0.02 min
Lab File: BF095393.D
Acq: 24 May 2017 17:23

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	458011		
176	18.8		16.2	24.4
179	15.9		12.6	19.0





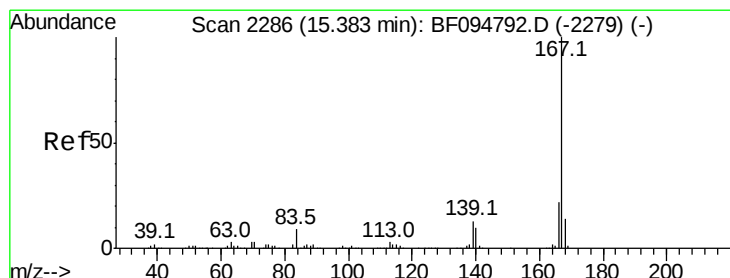
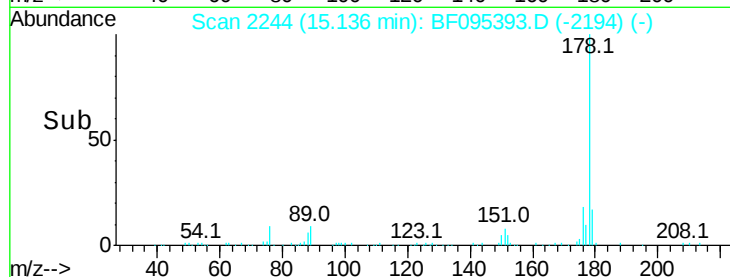
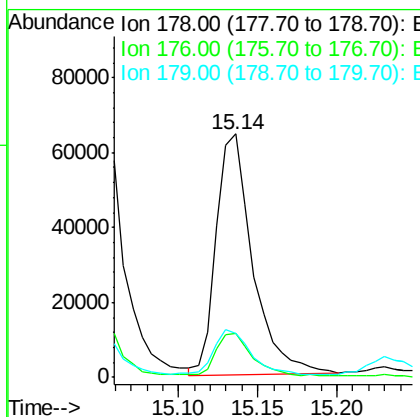
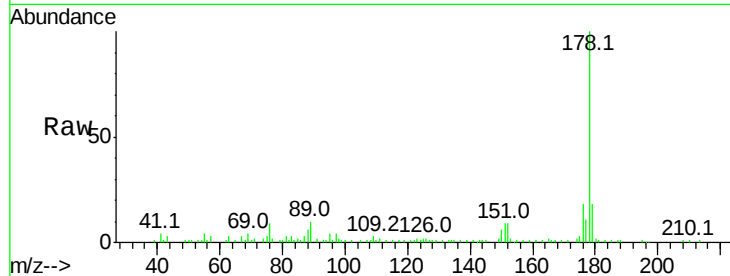
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 Anthracene
 Concen: 6.70 ng
 RT: 15.14 min Scan# 2244
 Delta R.T. -0.01 min
 Lab File: BF095393.D
 Acq: 24 May 2017 17:23

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-38-20170517

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.8	23.8
179	18.1	12.7	19.1

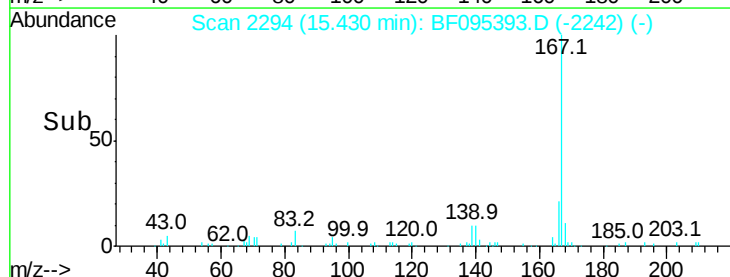
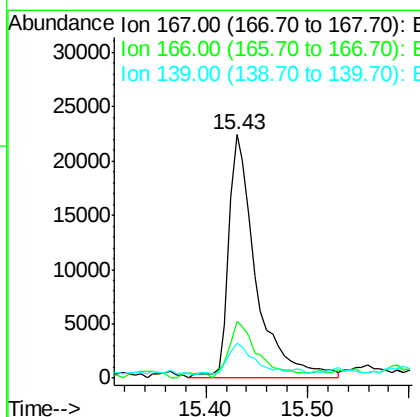
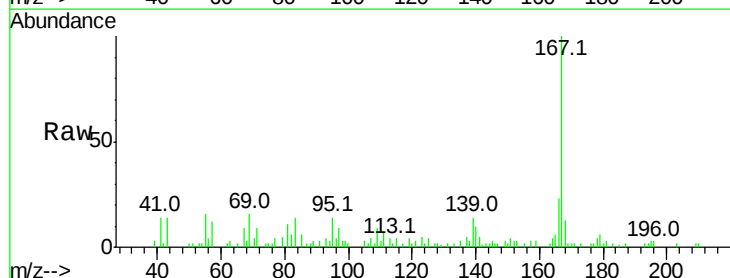
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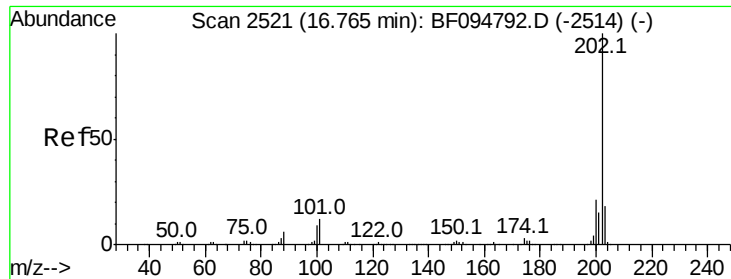
mohammad
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#72
 Carbazole
 Concen: 3.02 ng
 RT: 15.43 min Scan# 2294
 Delta R.T. 0.01 min
 Lab File: BF095393.D
 Acq: 24 May 2017 17:23

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.5	18.1	27.1
139	14.3	11.7	17.5





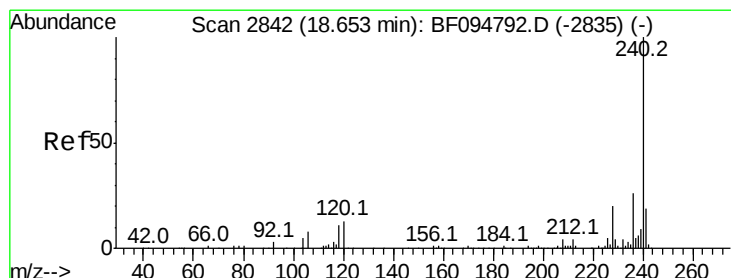
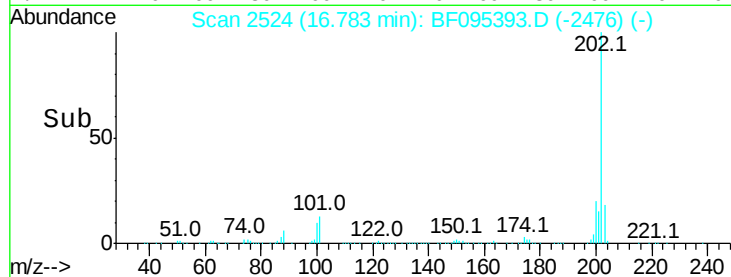
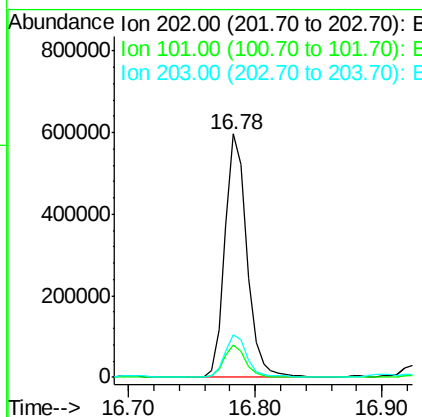
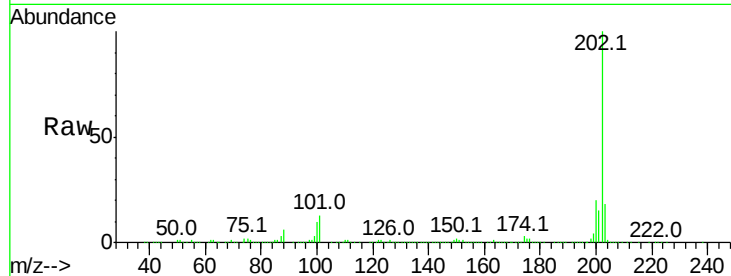
#74
 Fluoranthene
 Concen: 46.54 ng
 RT: 16.78 min Scan# 2524
 Delta R.T. -0.02 min
 Lab File: BF095393.D
 Acq: 24 May 2017 17:23

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-38-20170517

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.4	0.0	33.2
203	17.7	0.0	38.1

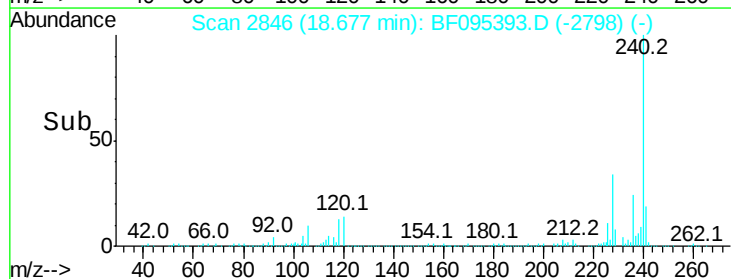
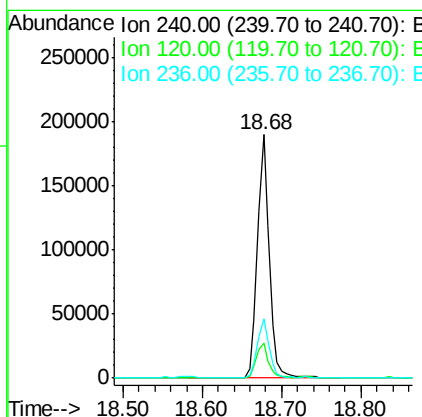
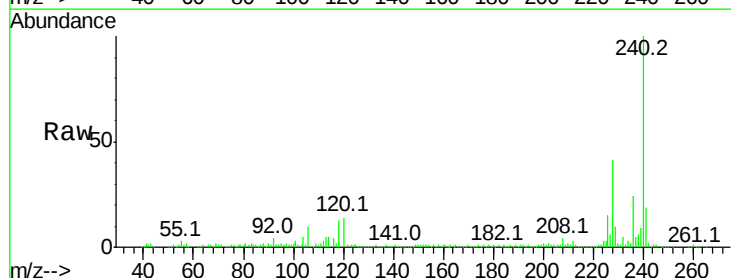
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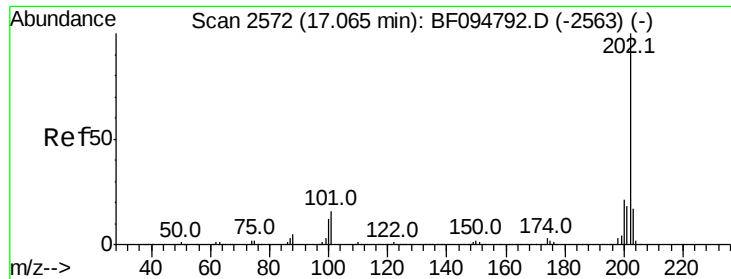
mohammad
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.68 min Scan# 2846
 Delta R.T. -0.02 min
 Lab File: BF095393.D
 Acq: 24 May 2017 17:23

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.4	5.8	8.8#
236	24.3	20.5	30.7





#77

Pvrene

Concen: 43.59 ng

RT: 17.09 min Scan# 2576

Delta R.T. -0.02 min

Lab File: BF095393.D

Acq: 24 May 2017 17:23

Instrument :

BNA_F

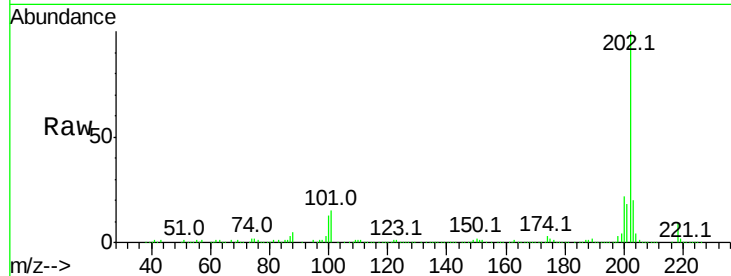
ClientSampleId :

POST-EX-38-20170517

Tot Ion:	202	Resp:	654422
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.6	26.4
203	19.9	14.4	21.6

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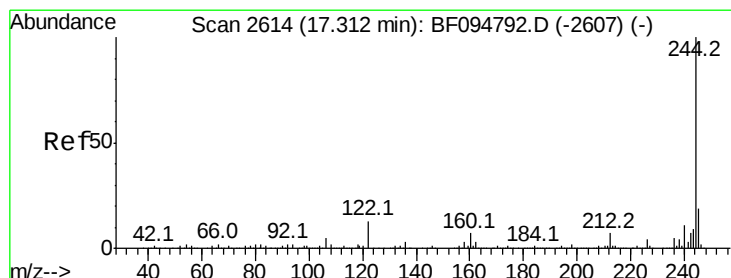
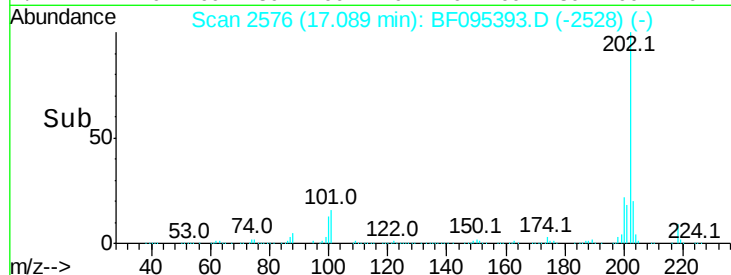
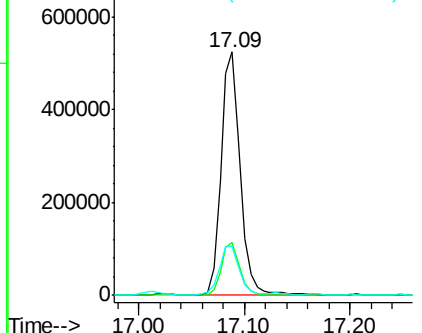
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 60.83 ng

RT: 17.32 min Scan# 2616

Delta R.T. -0.02 min

Lab File: BF095393.D

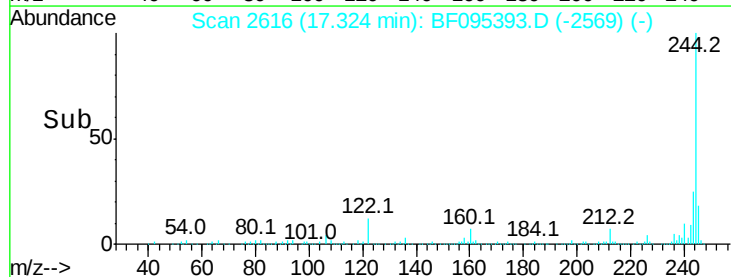
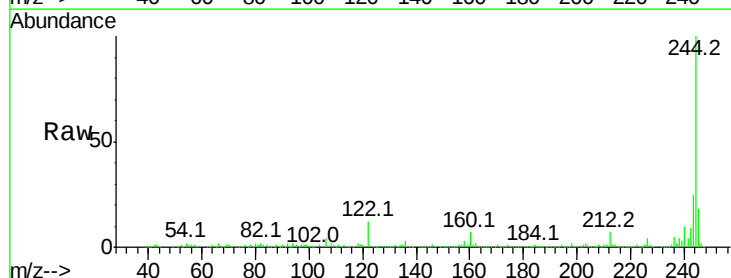
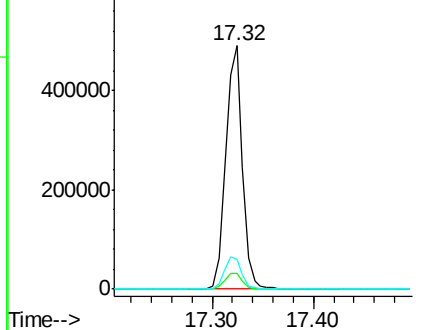
Acq: 24 May 2017 17:23

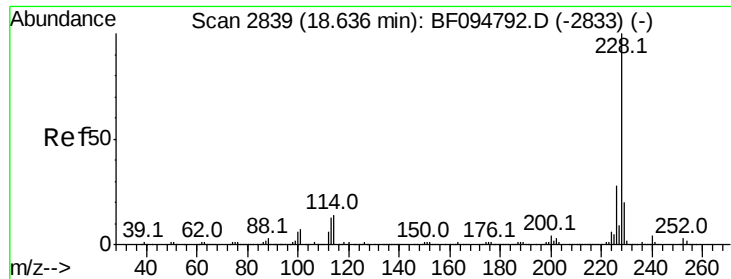
Tgt Ion:	244	Resp:	554343
Ion Ratio	Lower	Upper	
244	100		
212	6.6	6.0	9.0
122	12.2	10.3	15.5

Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





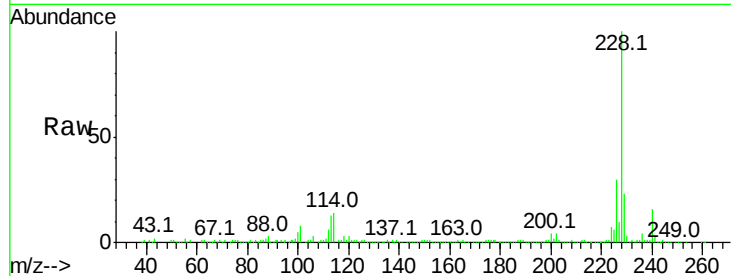
#80
Benzo(a)anthracene
Concen: 26.89 ng
RT: 18.67 min Scan# 2844
Delta R.T. -0.02 min
Lab File: BF095393.D
Acq: 24 May 2017 17:23

Instrument :
BNA_F
ClientSampleId :
POST-EX-38-20170517

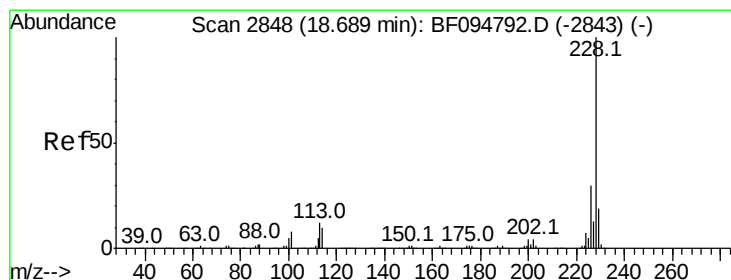
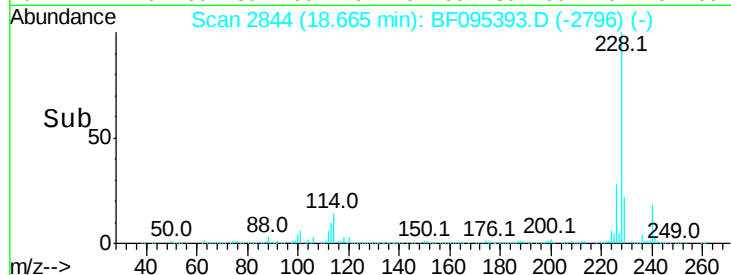
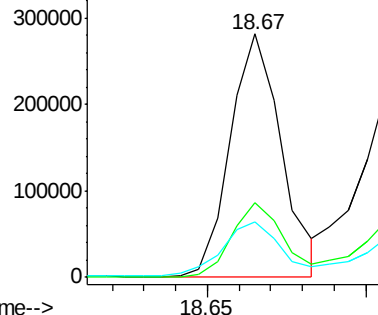
Tot Ion:	228	Resp:	314161
Ion Ratio	Lower	Upper	
228	100		
226	30.5	22.6	33.8
229	22.8	16.3	24.5

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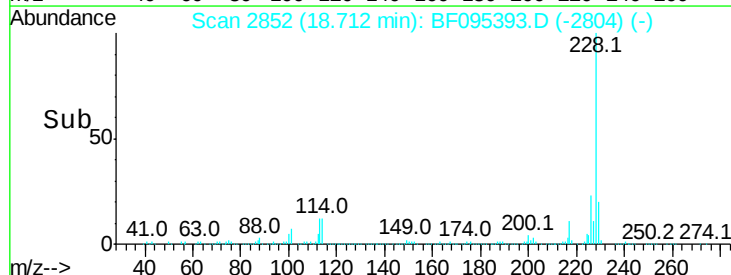
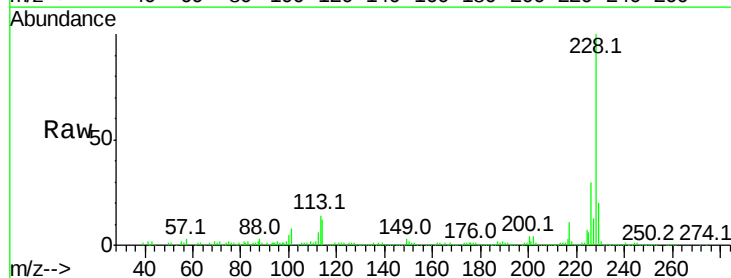
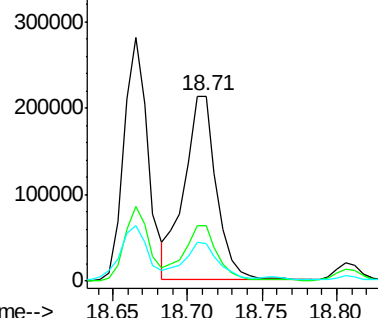
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

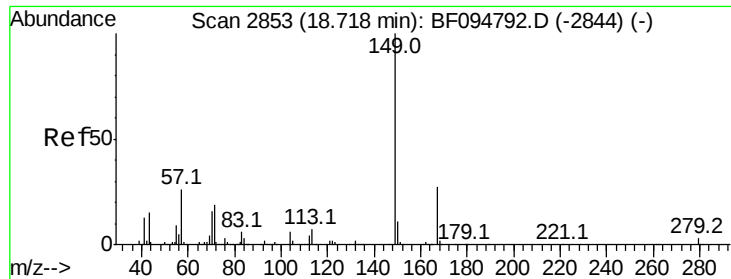


#82
Chrysene
Concen: 28.84 ng
RT: 18.71 min Scan# 2852
Delta R.T. -0.02 min
Lab File: BF095393.D
Acq: 24 May 2017 17:23

Tgt Ion:	228	Resp:	325757
Ion Ratio	Lower	Upper	
228	100		
226	30.2	24.9	37.3
229	20.3	15.8	23.6

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





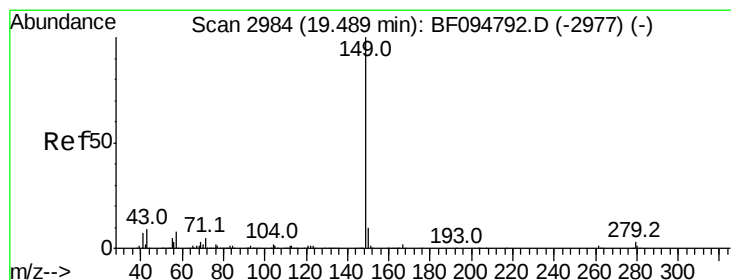
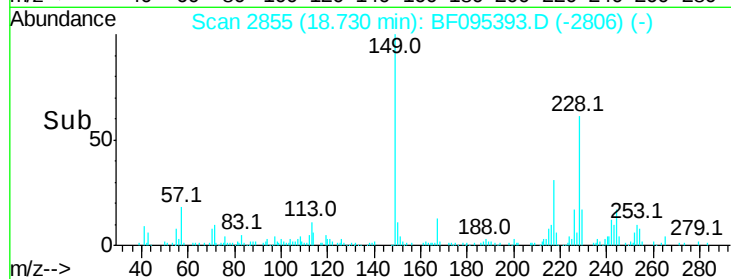
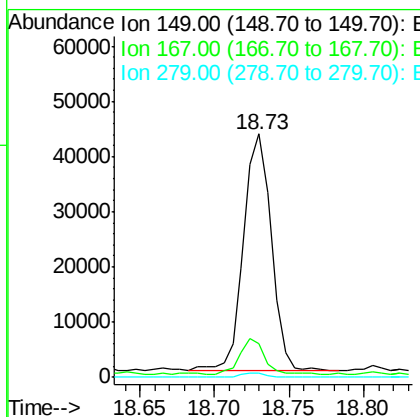
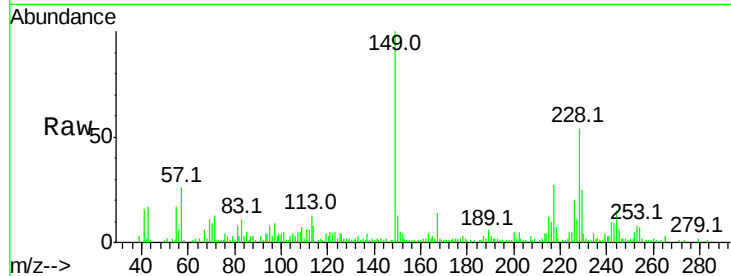
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 5.58 ng
 RT: 18.73 min Scan# 2855
 Delta R.T. -0.01 min
 Lab File: BF095393.D
 Acq: 24 May 2017 17:23

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-38-20170517

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
167	13.7	21.0	31.4#	
279	1.9	1.9	2.9	

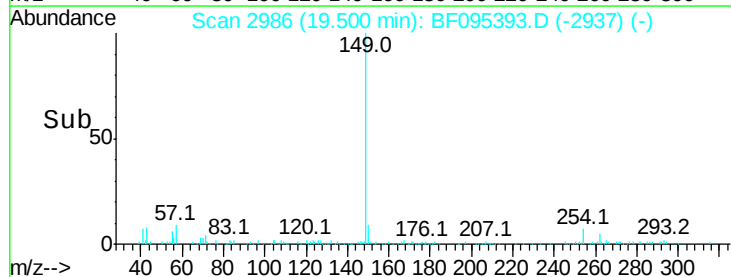
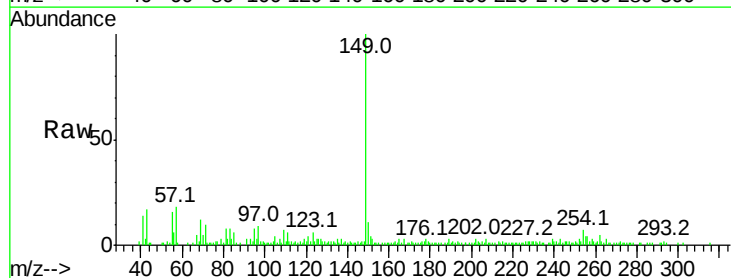
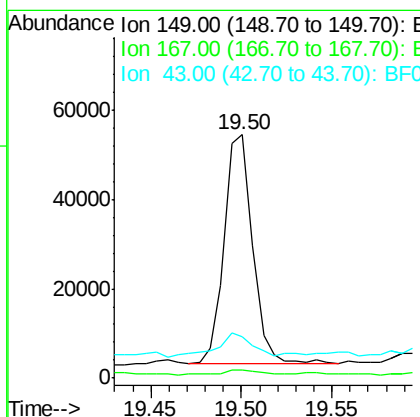
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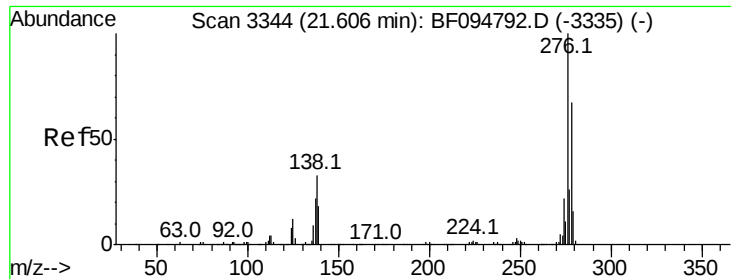
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#84
 Di-n-octyl phthalate
 Concen: 3.45 ng
 RT: 19.50 min Scan# 2986
 Delta R.T. -0.01 min
 Lab File: BF095393.D
 Acq: 24 May 2017 17:23

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
167	2.7	1.2	1.8#	
43	12.7	8.5	12.7	





#85

Indeno(1,2,3-cd)pyrene

Concen: 15.90 ng

RT: 21.69 min Scan# 3358

Delta R.T. -0.01 min

Lab File: BF095393.D

Acq: 24 May 2017 17:23

Instrument :

BNA_F

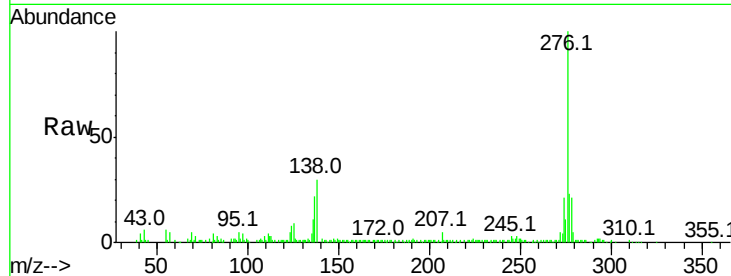
ClientSampleId :

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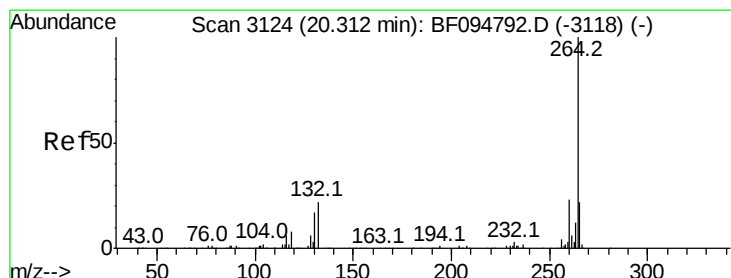
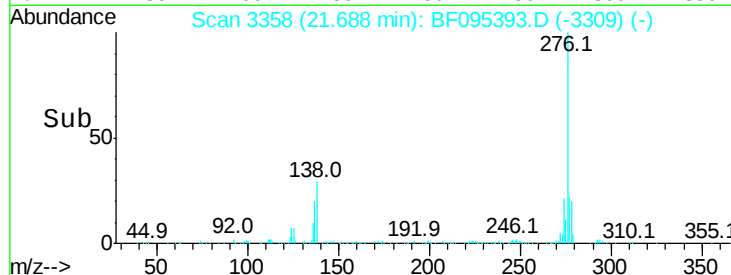
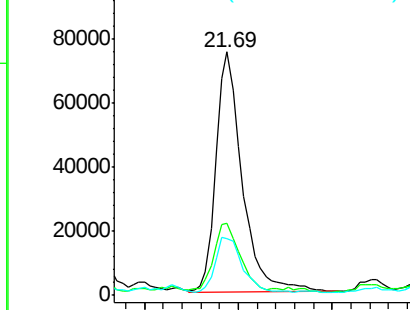
Tot Ion:	276	Resp:	145846
Ion Ratio	Lower	Upper	
276	100		
138	27.3	27.8	41.6#
277	23.6	20.2	30.4

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Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

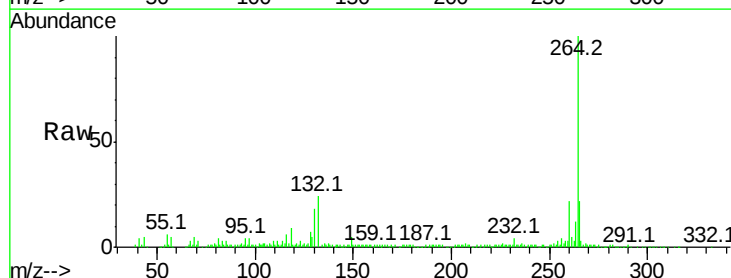
RT: 20.35 min Scan# 3131

Delta R.T. -0.01 min

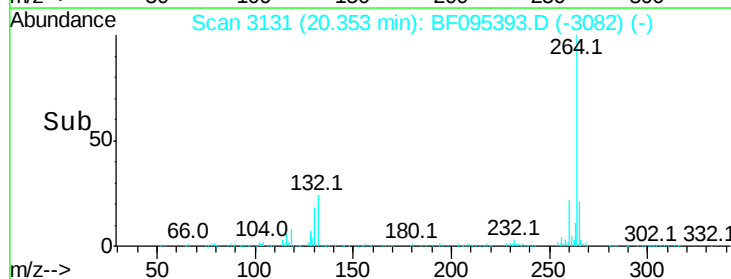
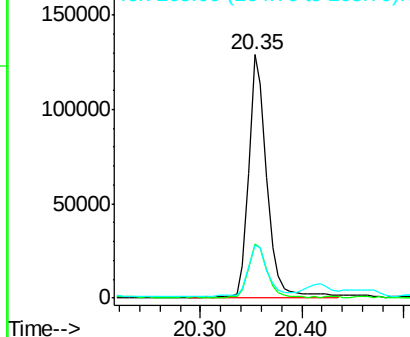
Lab File: BF095393.D

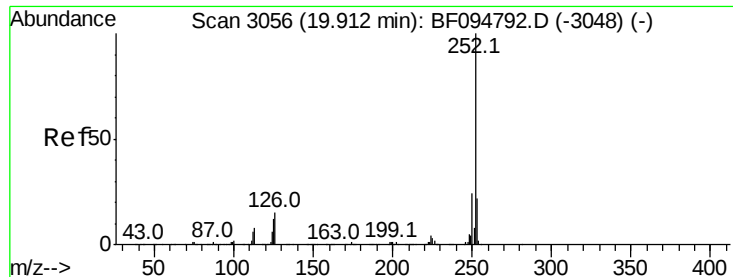
Acq: 24 May 2017 17:23

Tgt Ion:	264	Resp:	159226
Ion Ratio	Lower	Upper	
264	100		
260	22.5	19.5	29.3
265	21.8	17.2	25.8



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: 38.65 ng m

RT: 19.95 min Scan# 3062

Delta R.T. -0.01 min

Lab File: BF095393.D

Acq: 24 May 2017 17:23

Instrument :

BNA_F

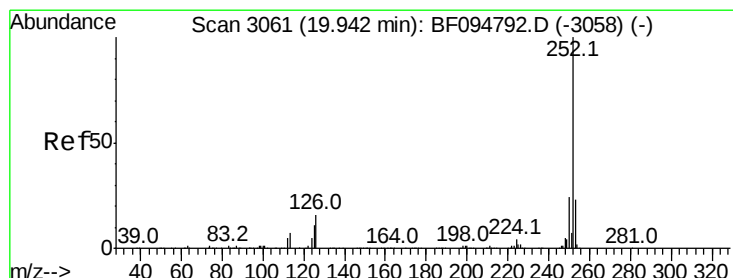
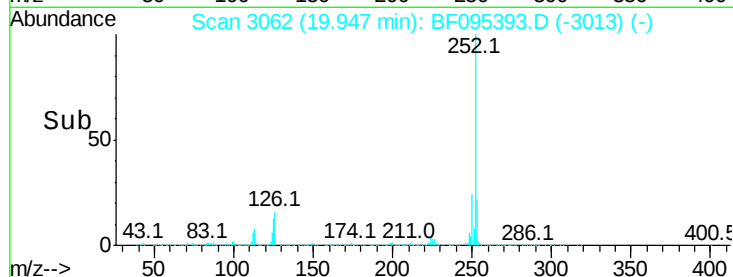
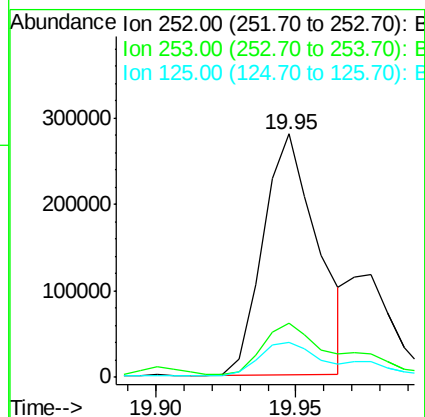
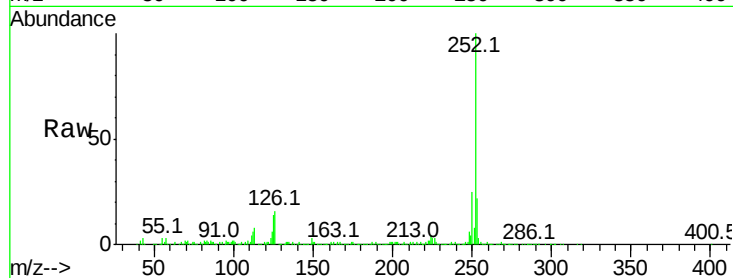
ClientSampleId :

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Tot Ion:	252	Resp:	380243
Ion Ratio	Lower	Upper	
252	100		
253	22.3	18.1	27.1
125	14.2	9.8	14.8

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#88

Benzo(k)fluoranthene

Concen: 13.47 ng m

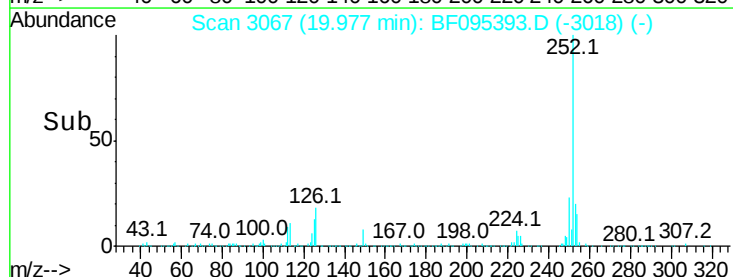
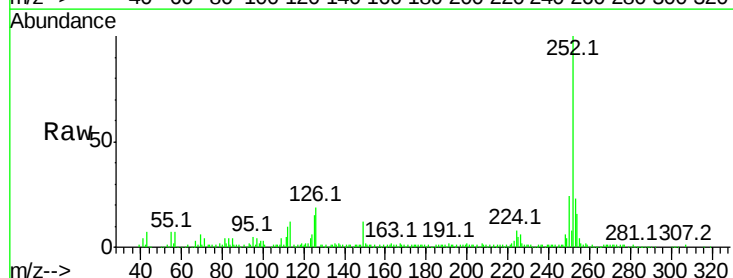
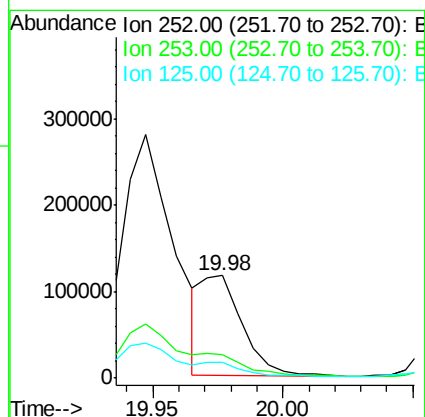
RT: 19.98 min Scan# 3067

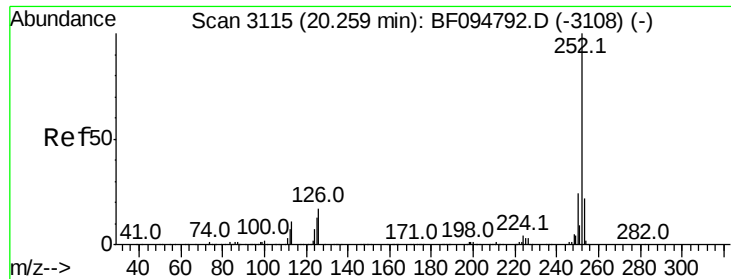
Delta R.T. -0.01 min

Lab File: BF095393.D

Acq: 24 May 2017 17:23

Tgt Ion:	252	Resp:	127828
Ion Ratio	Lower	Upper	
252	100		
253	22.5	18.4	27.6
125	15.0	13.1	19.7





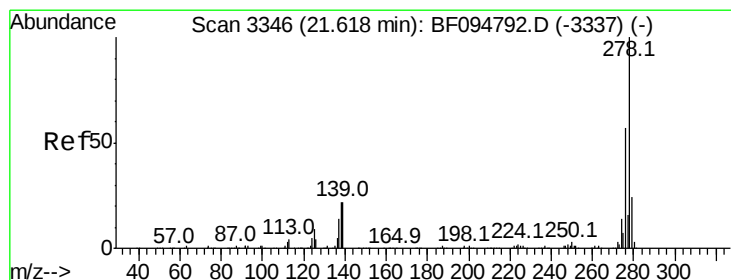
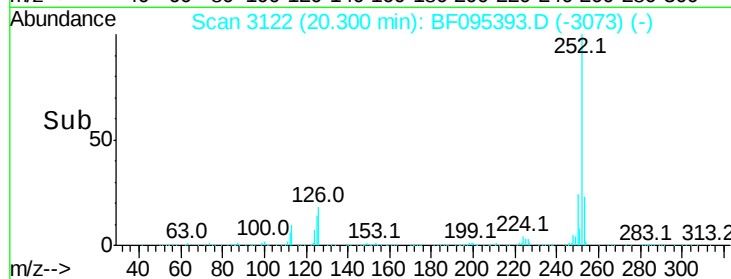
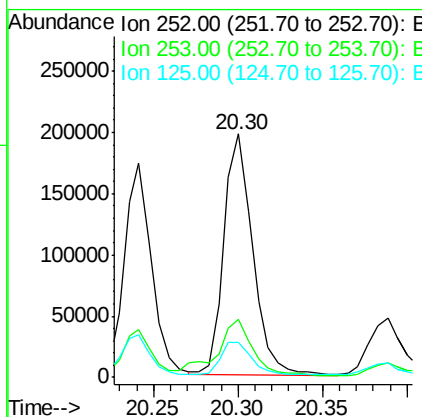
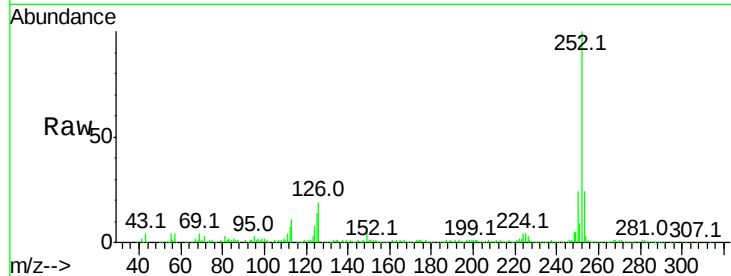
#89
Benzo(a)pyrene
Concen: 25.91 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BF095393.D
Acq: 24 May 2017 17:23

Instrument :
BNA_F
ClientSampleId :
POST-EX-38-20170517

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.5	26.3
125	14.4	11.0	16.4

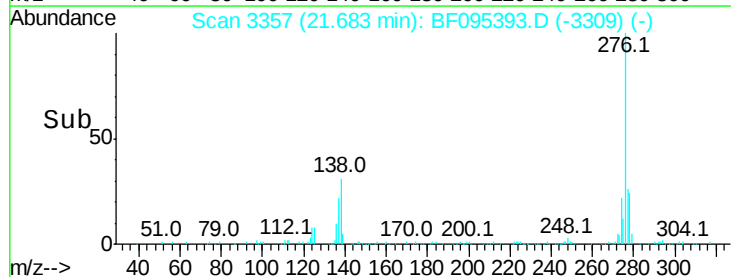
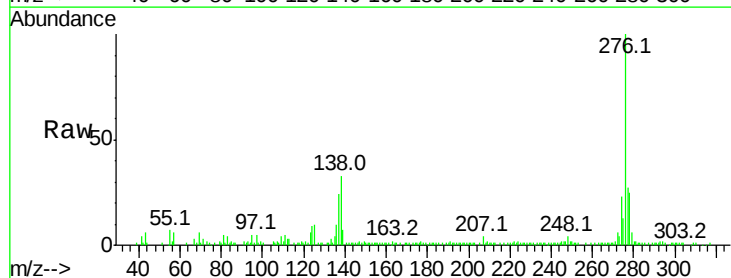
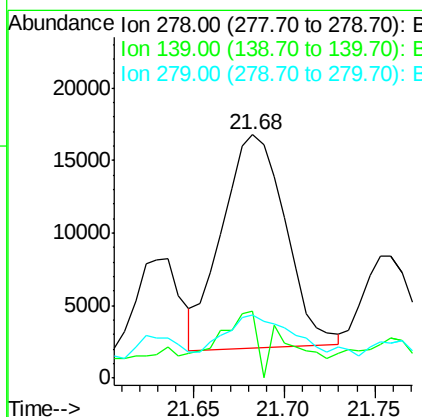
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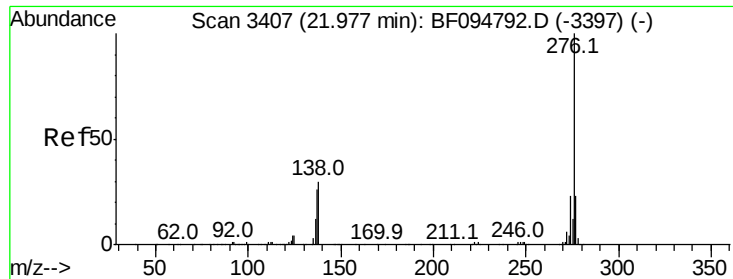
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#90
Dibenzo(a,h)anthracene
Concen: 4.77 ng
RT: 21.68 min Scan# 3357
Delta R.T. -0.02 min
Lab File: BF095393.D
Acq: 24 May 2017 17:23

Tgt Ion	Ratio	Lower	Upper
278	100		
139	27.4	16.6	24.8#
279	25.9	19.3	28.9





#91

Benzo(a,h,i)perylene

Concen: 19.94 ng

RT: 22.08 min Scan# 3424

Delta R.T. -0.01 min

Lab File: BF095393.D

Acq: 24 May 2017 17:23

Instrument :

BNA_F

ClientSampleId :

POST-EX-38-20170517

Tot Ion:	276	Resp:	146719
Ion Ratio	Lower	Upper	
276	100		
277	25.4	18.6	28.0
138	31.7	25.4	38.0

Manual Integrations
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