

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
 Data File : BF095495.D
 Acq On : 27 May 2017 10:51
 Operator : SJ/MA
 Sample : I3241-09DL 2X
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP1-WC7(0-4)DL

Manual Integrations
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Quant Time: May 29 00:17:55 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 26 16:50:16 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	90378	20.00	ng	0.00
21) Naphthalene-d8	9.77	136	354301	20.00	ng	0.00
38) Acenaphthene-d10	12.59	164	145157	20.00	ng	0.00
63) Phenanthrene-d10	14.99	188	215087	20.00	ng	0.00
75) Chrysene-d12	18.67	240	194895	20.00	ng	0.00
86) Perylene-d12	20.35	264	130563	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	279567	51.57	ng	0.02
7) Phenol-d6	7.31	99	341078	52.44	ng	0.01
23) Nitrobenzene-d5	8.66	82	184512	32.84	ng	0.00
41) 2,4,6-Tribromophenol	13.91	330	52805	44.42	ng	0.00
44) 2-Fluorobiphenyl	11.54	172	399085	39.57	ng	0.00
78) Terphenyl-d14	17.32	244	257412	29.09	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	9.81	128	60181	3.38	ng	95
37) 2-Methylnaphthalene	10.95	142	37616	3.22	ng	94
49) Dimethylphthalate	12.25	163	50663	4.25	ng	# 97
51) Acenaphthene	12.65	154	42106	4.56	ng	97
57) Fluorene	13.50	166	42427	3.82	ng	97
70) Phenanthrene	15.04	178	623275	50.43	ng	98
71) Anthracene	15.12	178	102369	8.11	ng	95
74) Fluoranthene	16.78	202	434364	34.26	ng	98
77) Pyrene	17.08	202	615342	42.22	ng	96
80) Benzo(a)anthracene	18.66	228	226748	19.99	ng	98
82) Chrysene	18.71	228	259223m	23.64	ng	
85) Indeno(1,2,3-cd)pyrene	21.69	276	53389	5.99	ng	# 88
87) Benzo(b)fluoranthene	19.95	252	159853m	19.81	ng	
88) Benzo(k)fluoranthene	19.97	252	46692m	6.00	ng	
89) Benzo(a)pyrene	20.30	252	110992	14.91	ng	97
90) Dibenzo(a,h)anthracene	21.69	278	18603m	3.03	ng	
91) Benzo(a,h,i)perylene	22.08	276	56692	9.40	ng	97

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

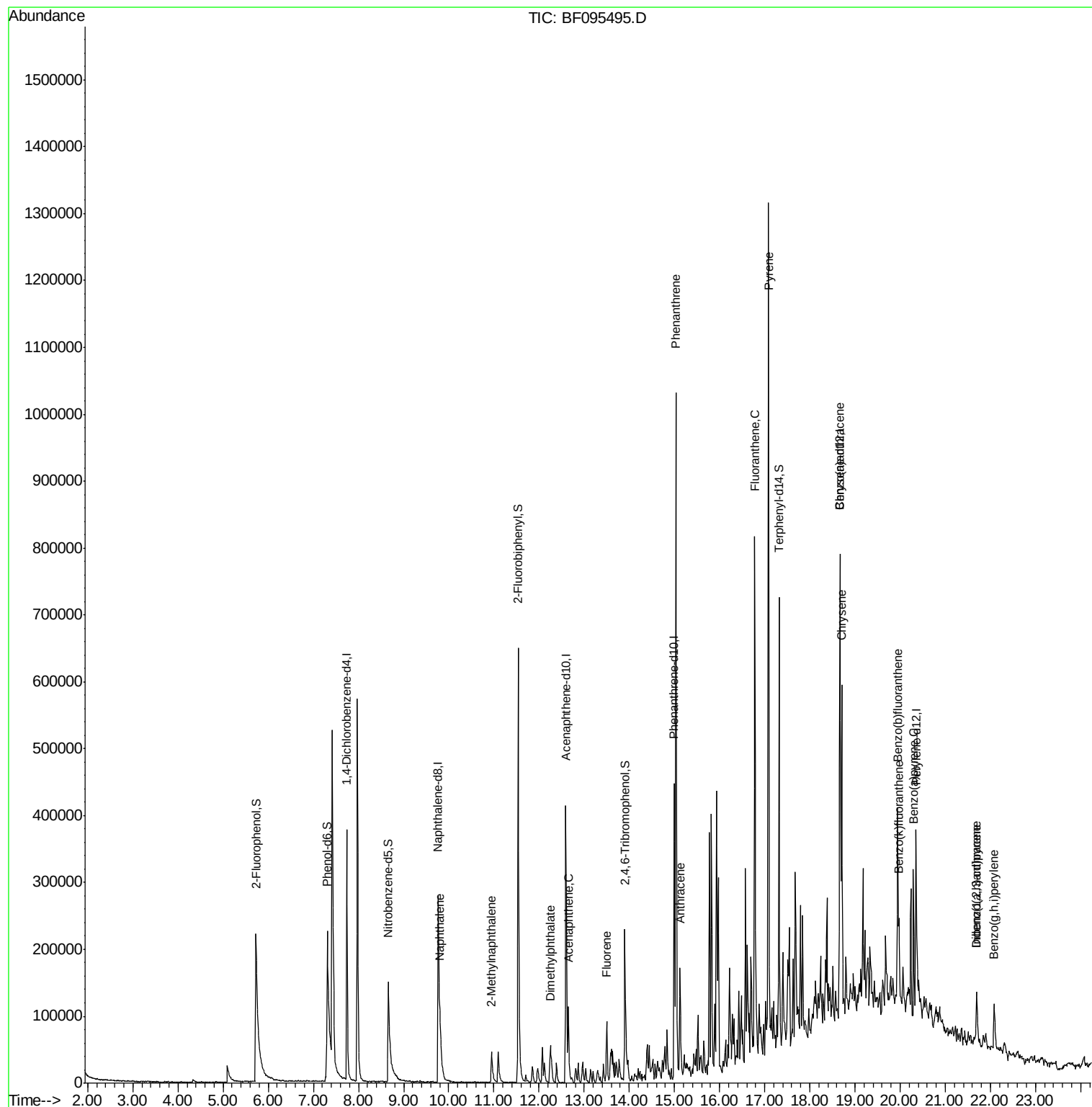
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
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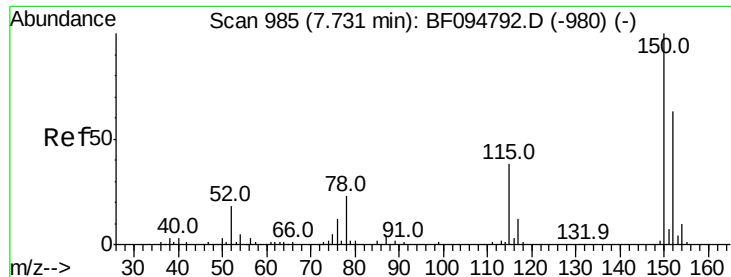
Instrument :
BNA_F
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EP1-WC7(0-4)DL

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
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#1

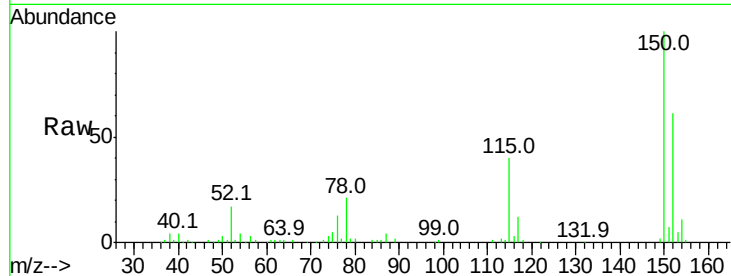
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 987
Delta R.T. -0.00 min
Lab File: BF095495.D
Acq: 27 May 2017 10:51

Instrument :
BNA_F
ClientSampleId :
EP1-WC7(0-4)DL

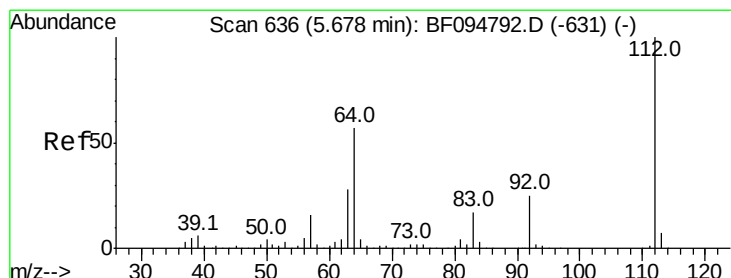
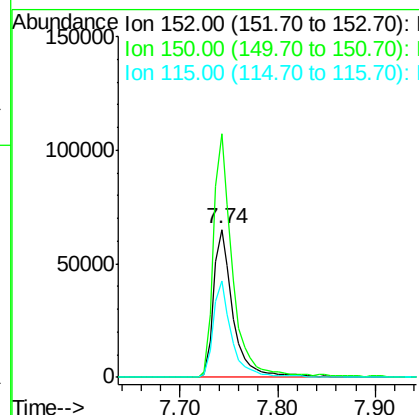
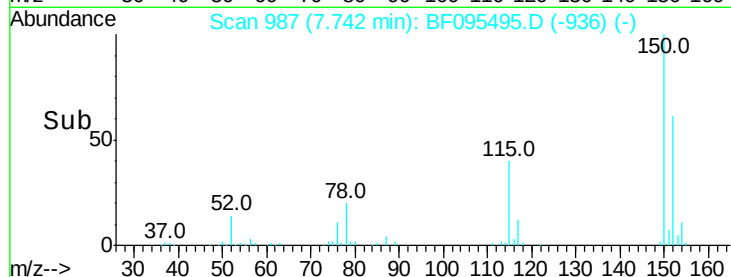
Tot Ion	Ratio	Lower	Upper
152	100		
150	164.4	126.2	189.2
115	65.3	52.2	78.2

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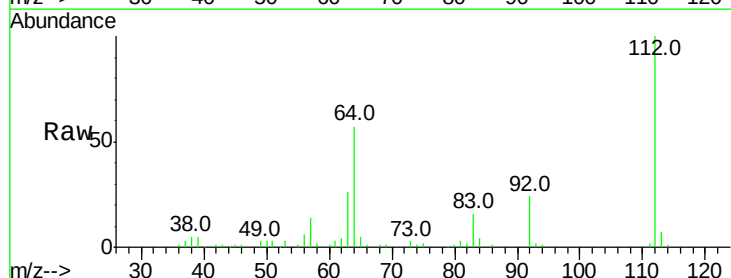
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



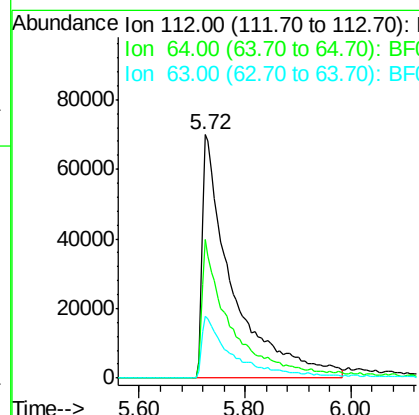
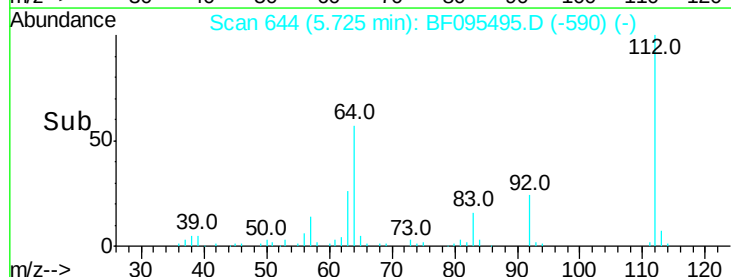
#5

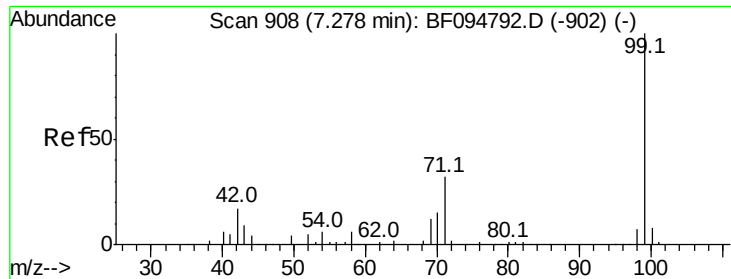
2-Fluorophenol
Concen: 51.57 ng
RT: 5.72 min Scan# 644
Delta R.T. 0.02 min
Lab File: BF095495.D
Acq: 27 May 2017 10:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.8	46.0	69.0
63	25.5	23.4	35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 52.44 ng

RT: 7.31 min Scan# 913

Delta R.T. 0.01 min

Lab File: BF095495.D

Acq: 27 May 2017 10:51

Instrument :

BNA_F

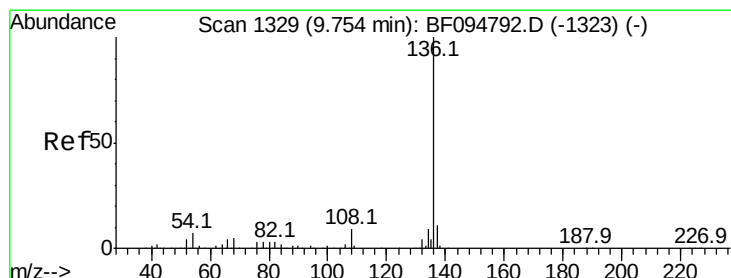
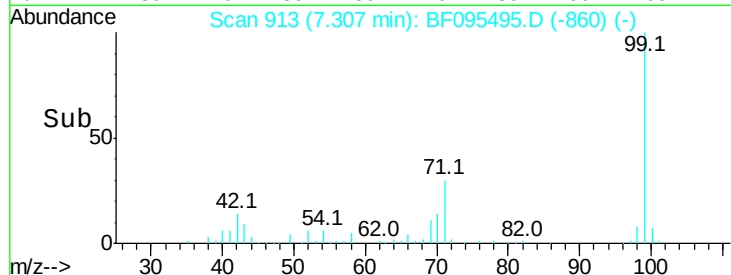
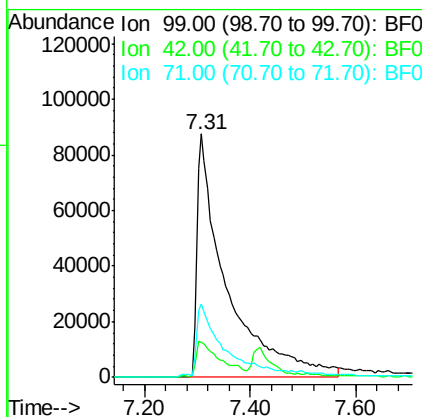
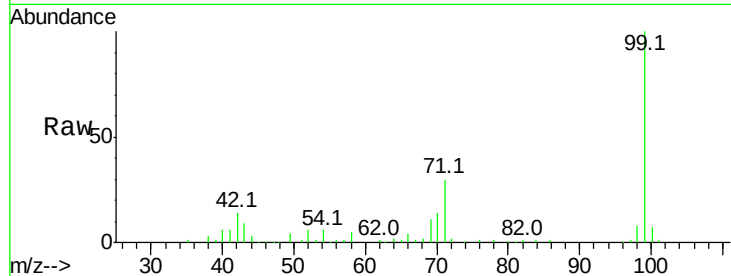
ClientSampleId :

EP1-WC7(0-4)DL

Tot Ion:	99	Resp:	341078
Ion Ratio	Lower	Upper	
99	100		
42	14.3	13.5	20.3
71	29.9	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

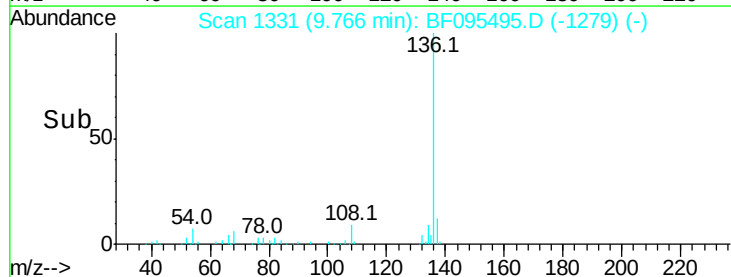
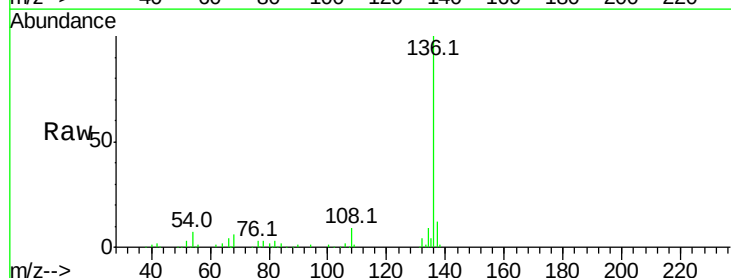
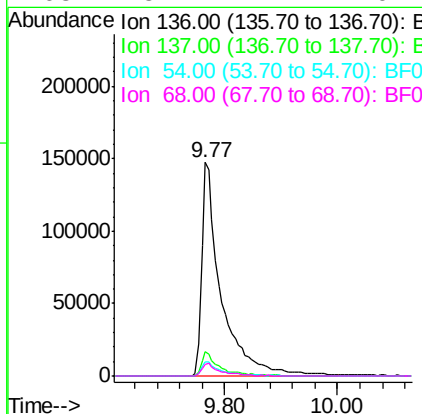
RT: 9.77 min Scan# 1331

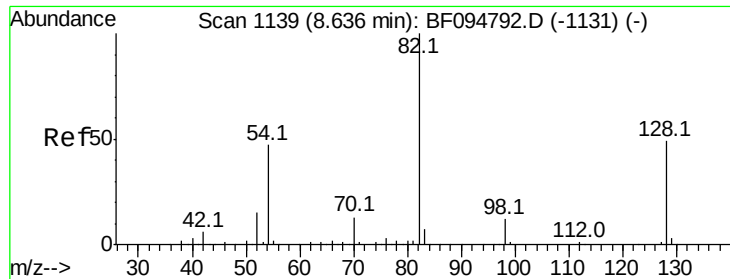
Delta R.T. 0.01 min

Lab File: BF095495.D

Acq: 27 May 2017 10:51

Tgt Ion:	136	Resp:	354301
Ion Ratio	Lower	Upper	
136	100		
137	11.5	8.5	12.7
54	6.6	4.9	7.3
68	5.7	4.1	6.1





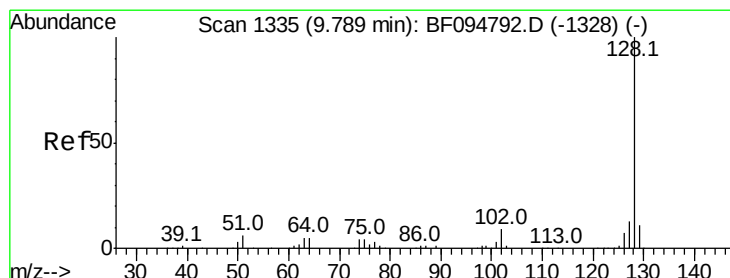
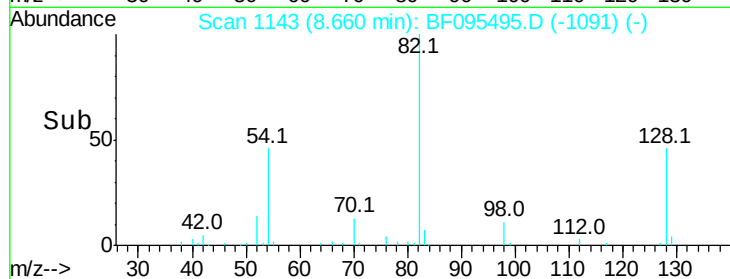
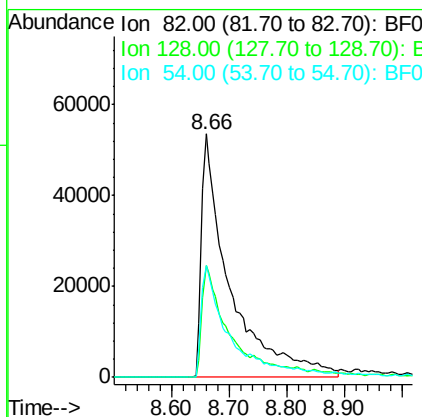
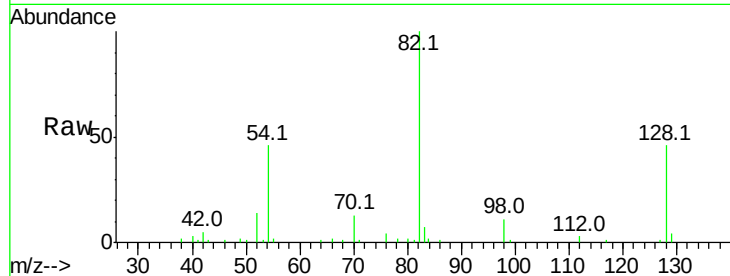
#23
 Nitrobenzene-d5
 Concen: 32.84 ng
 RT: 8.66 min Scan# 1143
 Delta R.T. 0.01 min
 Lab File: BF095495.D
 Acq: 27 May 2017 10:51

Instrument :
 BNA_F
 ClientSampleID :
 EP1-WC7(0-4)DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.1	34.0	51.0
54	46.1	42.2	63.2

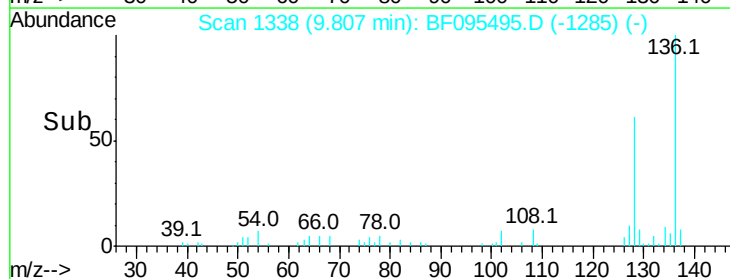
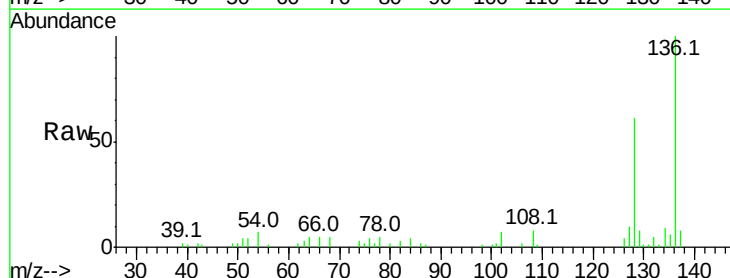
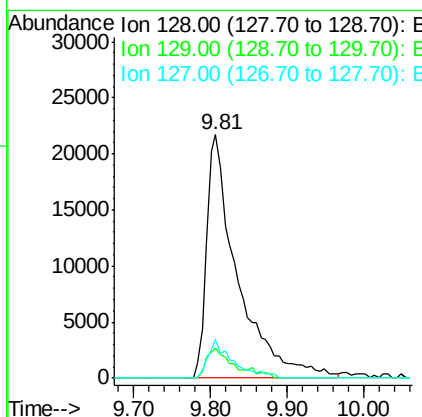
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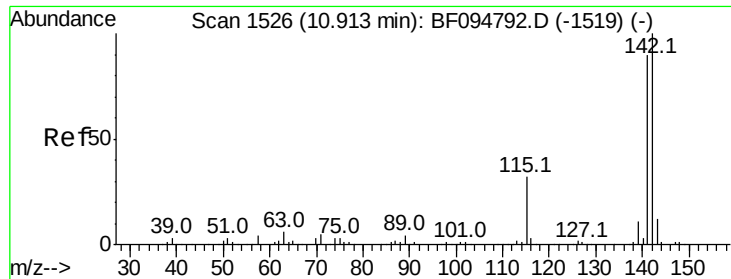
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#31
 Naphthalene
 Concen: 3.38 ng
 RT: 9.81 min Scan# 1338
 Delta R.T. 0.01 min
 Lab File: BF095495.D
 Acq: 27 May 2017 10:51

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.5	9.0	13.6
127	16.0	10.8	16.2





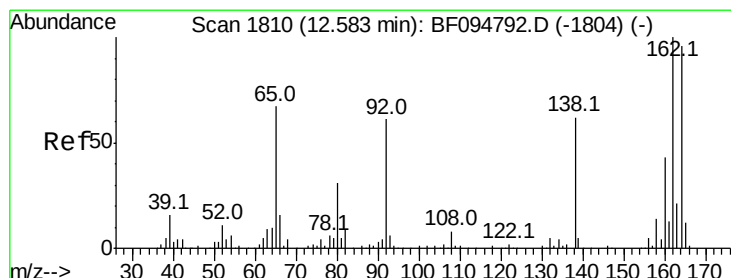
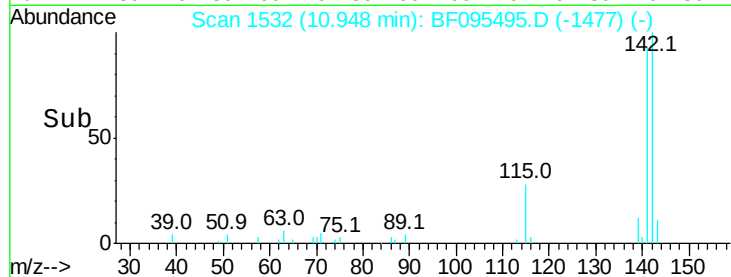
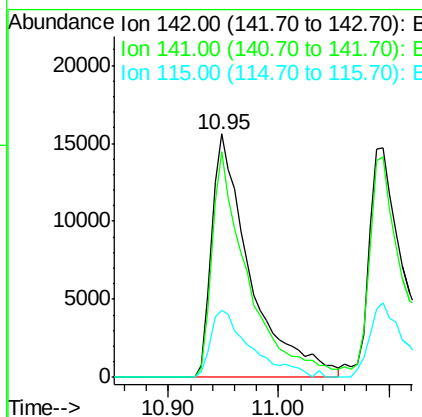
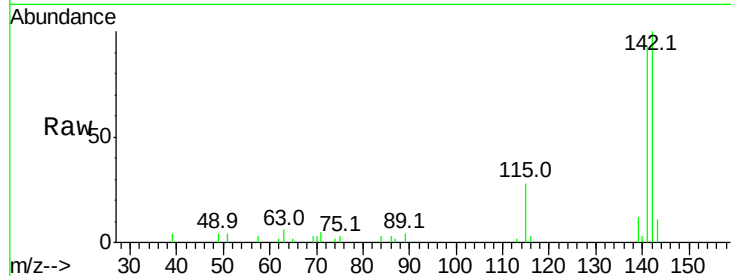
#37
2-Methylnaphthalene
Concen: 3.22 ng
RT: 10.95 min Scan# 1532
Delta R.T. 0.02 min
Lab File: BF095495.D
Acq: 27 May 2017 10:51

Instrument :
BNA_F
ClientSampleId :
EP1-WC7(0-4)DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.9	71.3	106.9
115	27.7	27.1	40.7

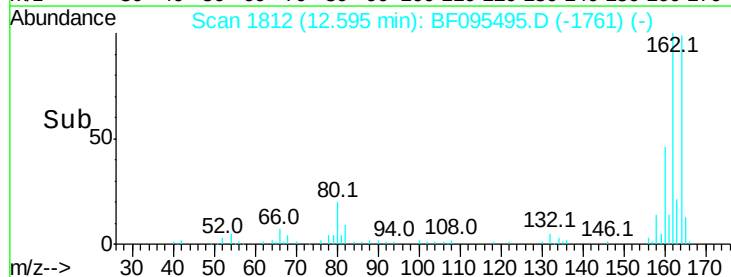
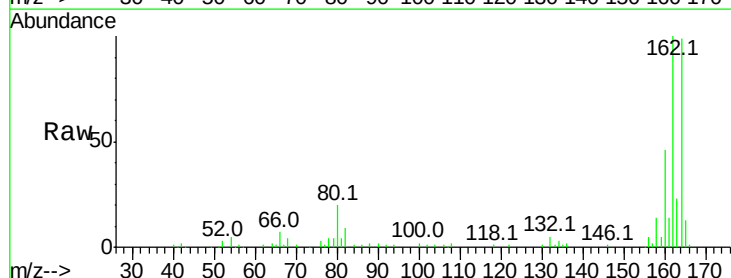
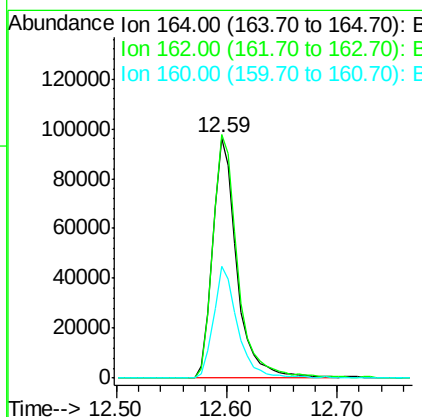
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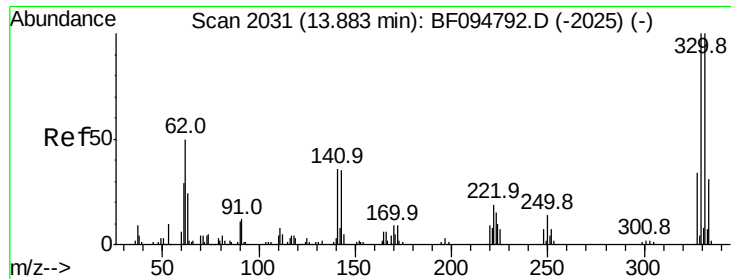
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.59 min Scan# 1812
Delta R.T. -0.00 min
Lab File: BF095495.D
Acq: 27 May 2017 10:51

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.4	82.6	123.8
160	46.7	36.2	54.2





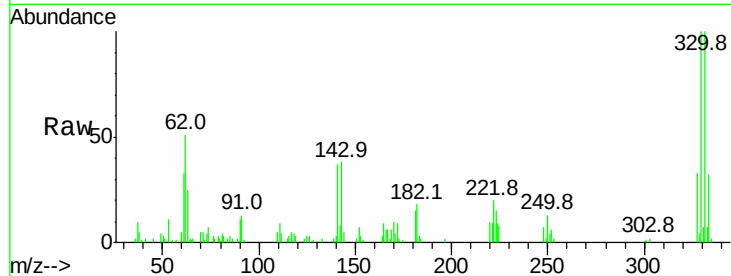
#41
 2,4,6-Tribromophenol
 Concen: 44.42 ng
 RT: 13.91 min Scan# 2035
 Delta R.T. 0.01 min
 Lab File: BF095495.D
 Acq: 27 May 2017 10:51

Instrument :
 BNA_F
 ClientSampleId :
 EP1-WC7(0-4)DL

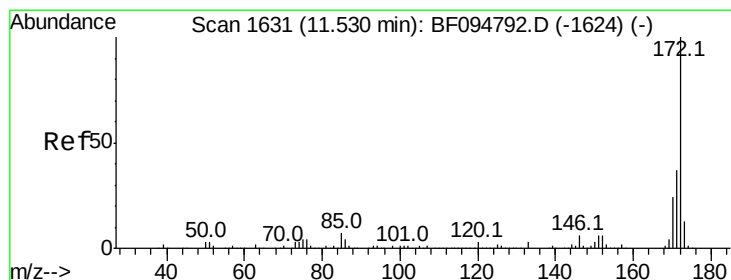
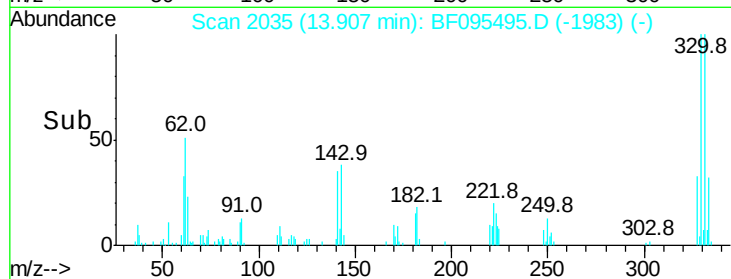
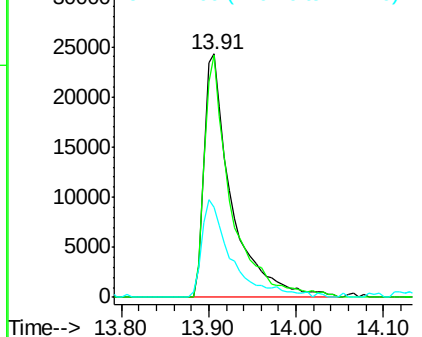
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.6	115.0
141	42.9	31.4	47.2

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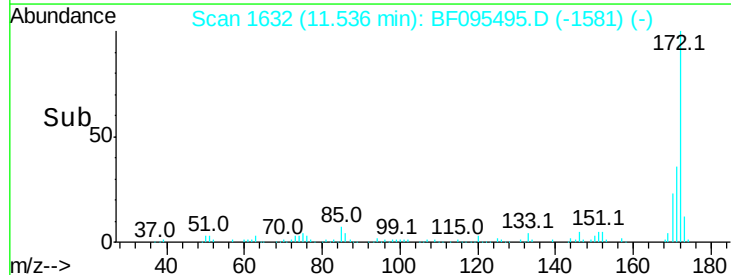
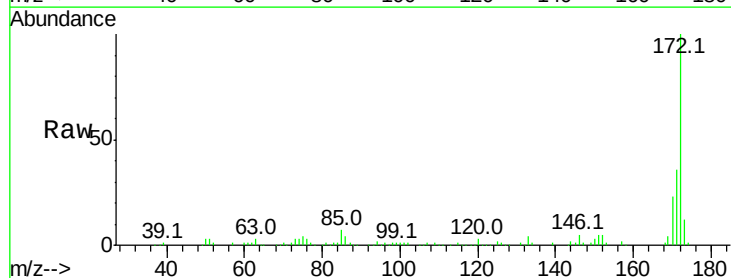
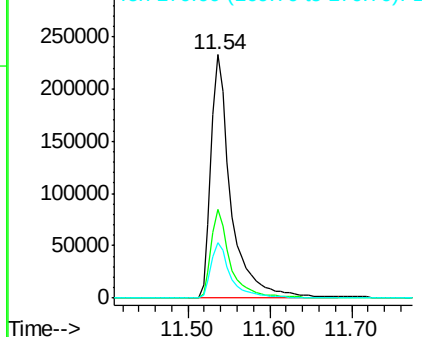
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

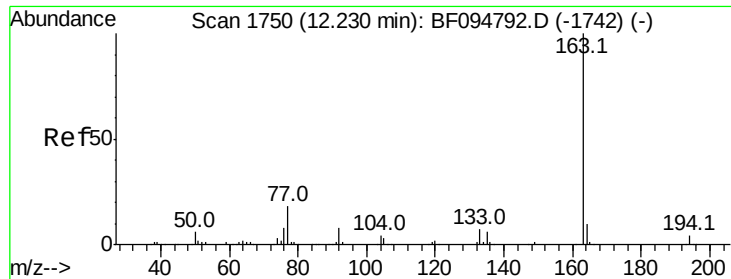


#44
 2-Fluorobiphenyl
 Concen: 39.57 ng
 RT: 11.54 min Scan# 1632
 Delta R.T. -0.00 min
 Lab File: BF095495.D
 Acq: 27 May 2017 10:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	22.6	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: 4.25 ng

RT: 12.25 min Scan# 1753

Delta R.T. 0.01 min

Lab File: BF095495.D

Acq: 27 May 2017 10:51

Instrument :

BNA_F

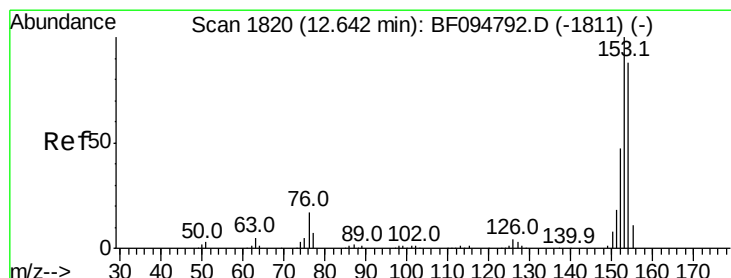
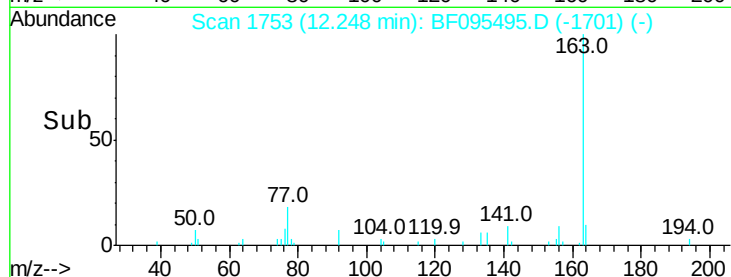
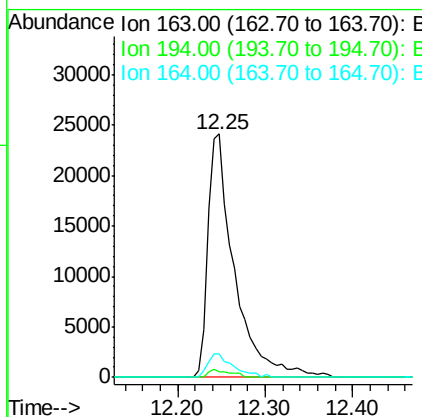
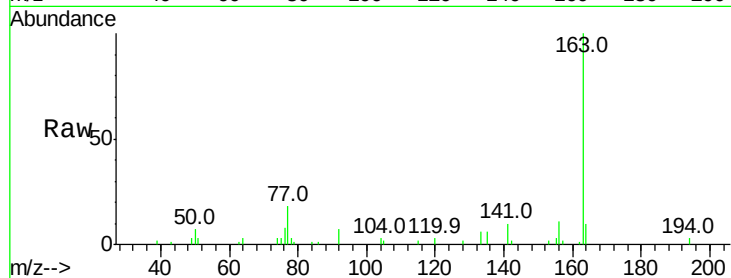
ClientSampleId :

EP1-WC7(0-4)DL

Tot Ion:	163	Resp:	50663
Ion Ratio	Lower	Upper	
163	100		
194	2.5	2.6	4.0#
164	9.5	8.4	12.6

Manual Integrations
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#51

Acenaphthene

Concen: 4.56 ng

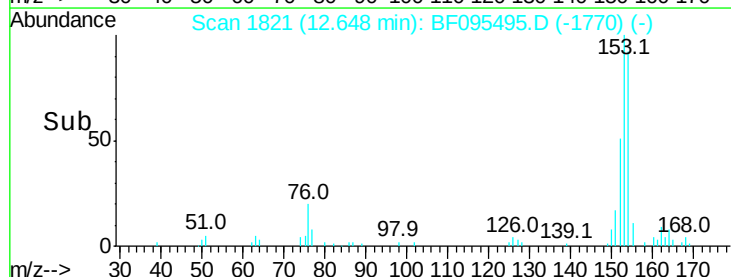
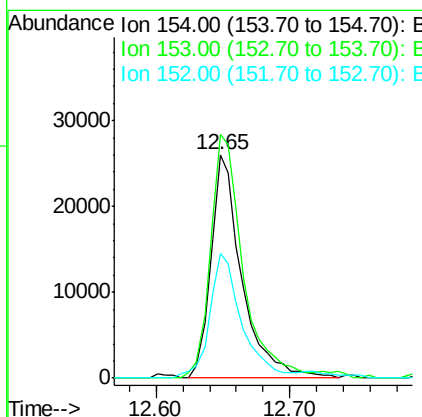
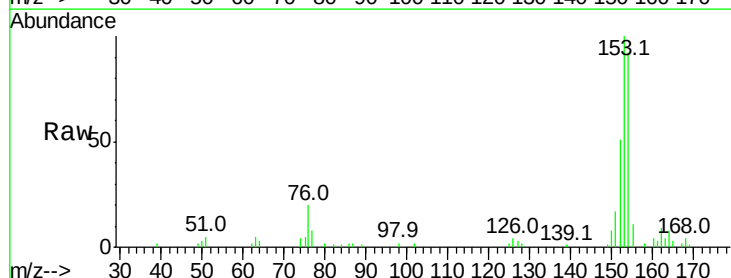
RT: 12.65 min Scan# 1821

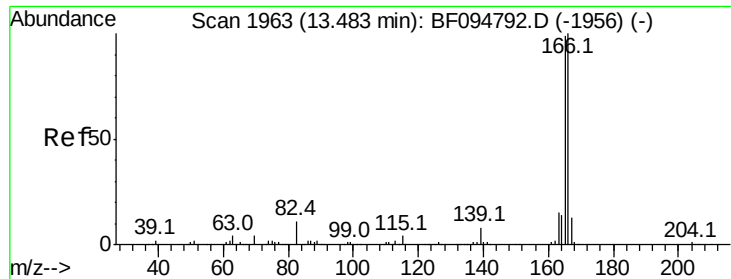
Delta R.T. -0.00 min

Lab File: BF095495.D

Acq: 27 May 2017 10:51

Tgt Ion:	154	Resp:	42106
Ion Ratio	Lower	Upper	
154	100		
153	109.1	90.5	135.7
152	56.0	43.6	65.4





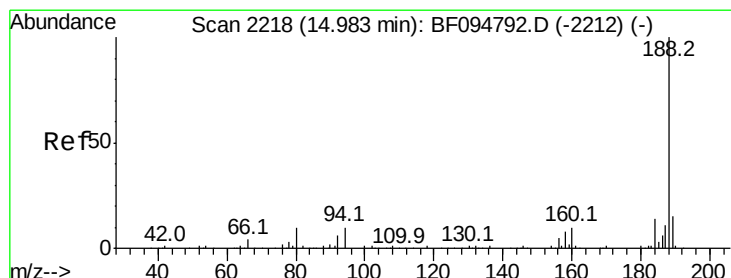
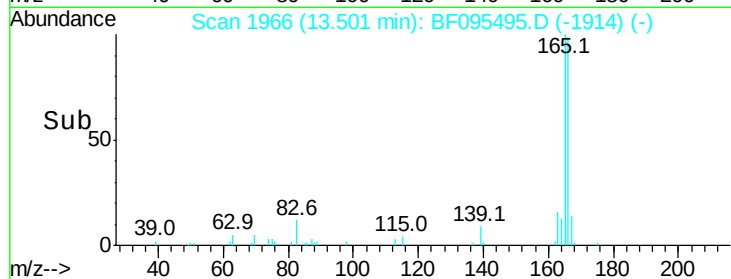
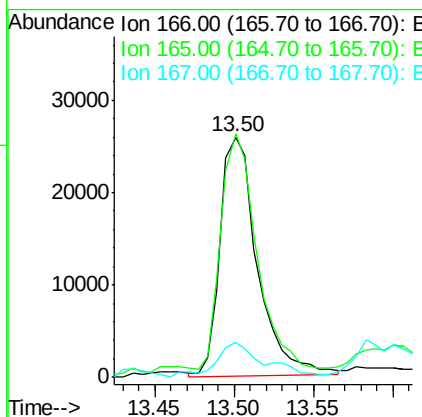
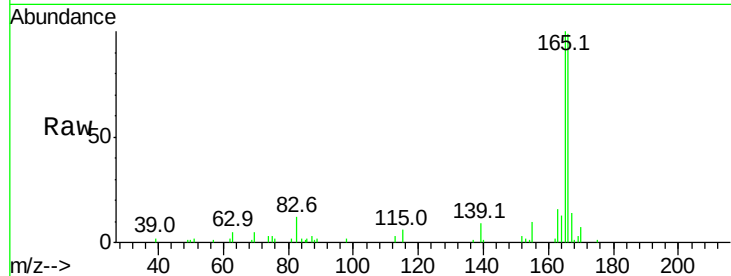
#57
Fluorene
 Concen: 3.82 ng
 RT: 13.50 min Scan# 1966
 Delta R.T. 0.01 min
 Lab File: BF095495.D
 Acq: 27 May 2017 10:51

Instrument :
 BNA_F
 ClientSampleId :
 EP1-WC7(0-4)DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	101.3	78.8	118.2
167	14.5	10.6	16.0

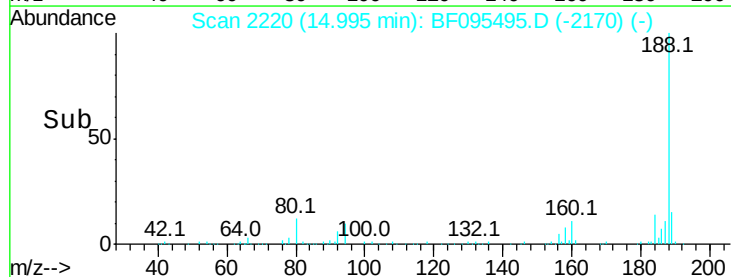
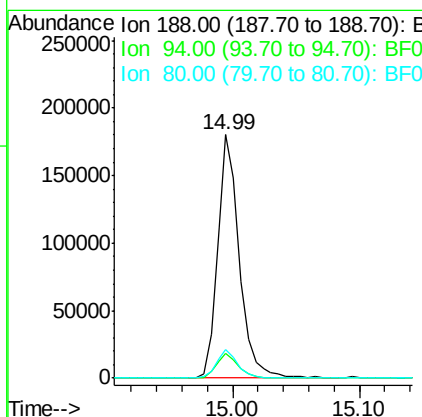
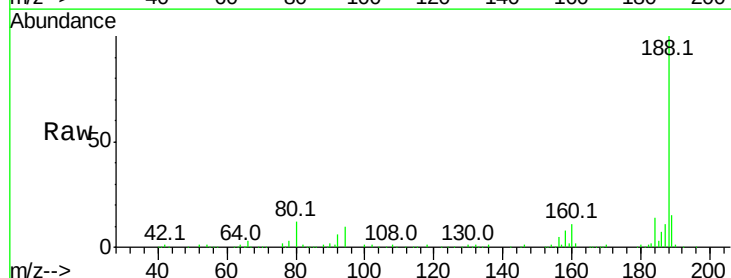
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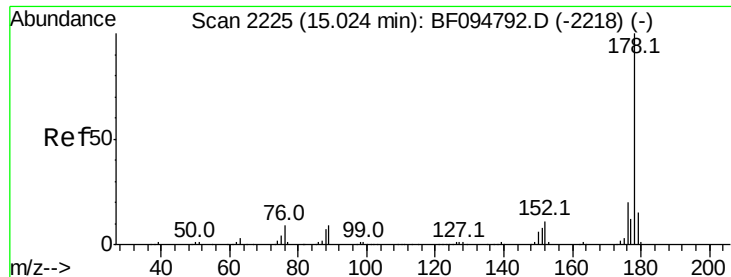
mohammad
 5/30/2017 1:37:40 PM



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.99 min Scan# 2220
 Delta R.T. -0.01 min
 Lab File: BF095495.D
 Acq: 27 May 2017 10:51

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.3	9.4	14.2
80	11.5	10.2	15.2





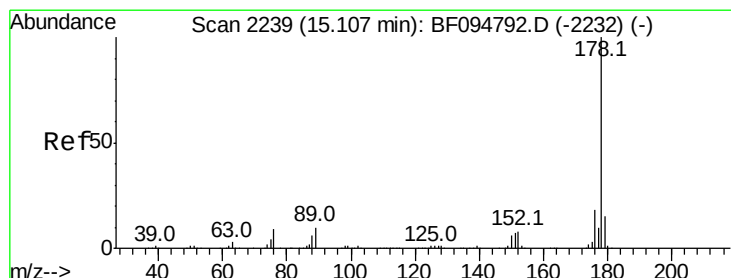
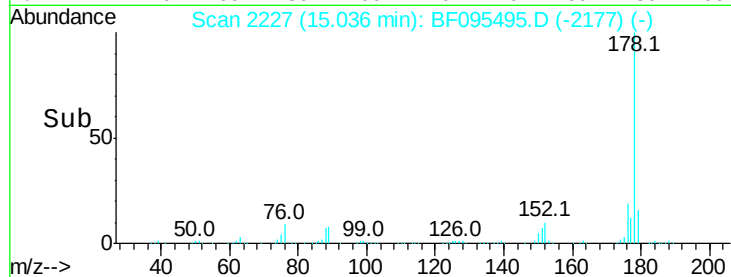
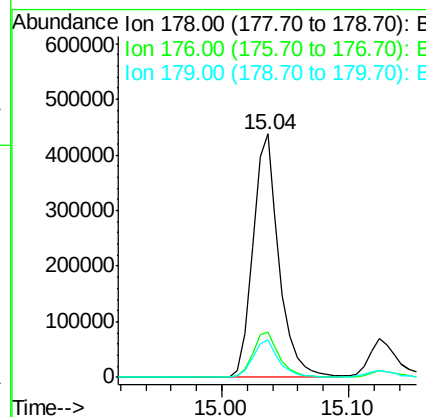
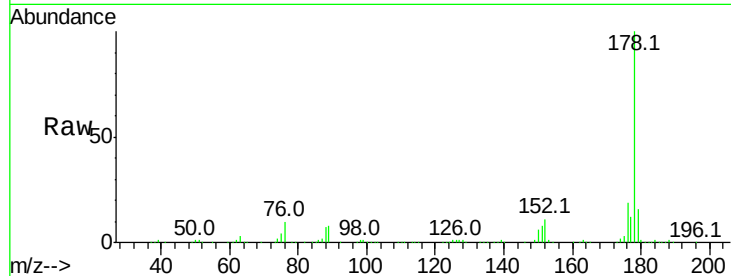
#70
Phenanthrene
Concen: 50.43 ng
RT: 15.04 min Scan# 2227
Delta R.T. -0.01 min
Lab File: BF095495.D
Acq: 27 May 2017 10:51

Instrument :
BNA_F
ClientSampleId :
EP1-WC7(0-4)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.2	24.4
179	15.5	12.6	19.0

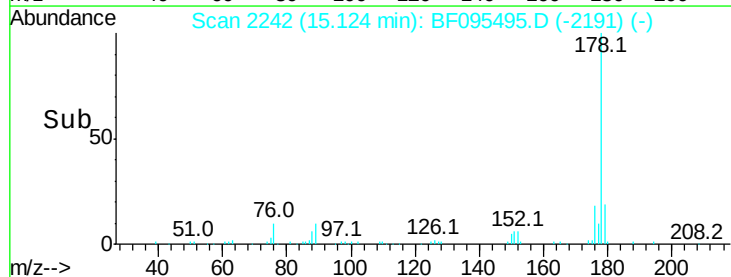
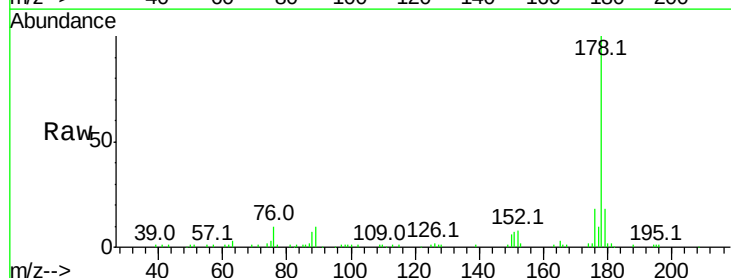
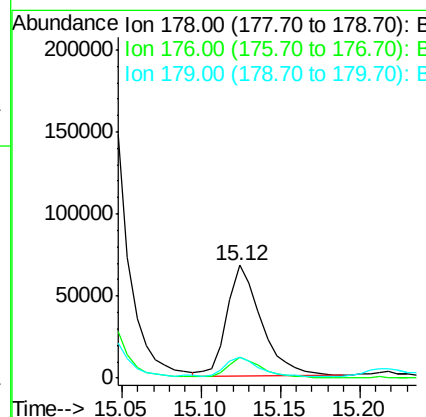
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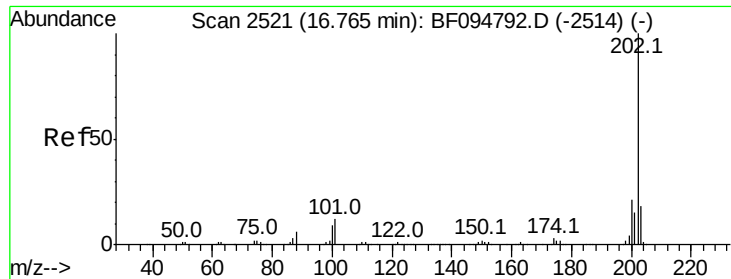
mohammad
5/30/2017 1:37:40 PM



#71
Anthracene
Concen: 8.11 ng
RT: 15.12 min Scan# 2242
Delta R.T. -0.00 min
Lab File: BF095495.D
Acq: 27 May 2017 10:51

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.8	23.8
179	18.4	12.7	19.1





#74

Fluoranthene

Concen: 34.26 ng

RT: 16.78 min Scan# 2524

Delta R.T. -0.00 min

Lab File: BF095495.D

Acq: 27 May 2017 10:51

Instrument :

BNA_F

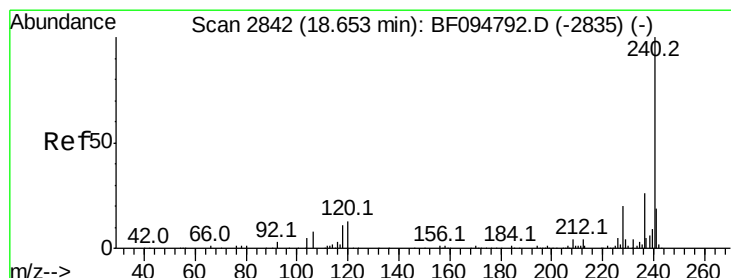
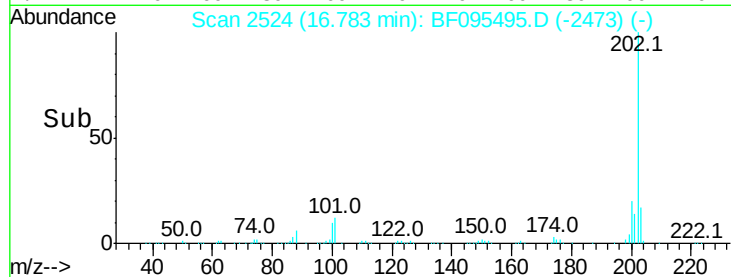
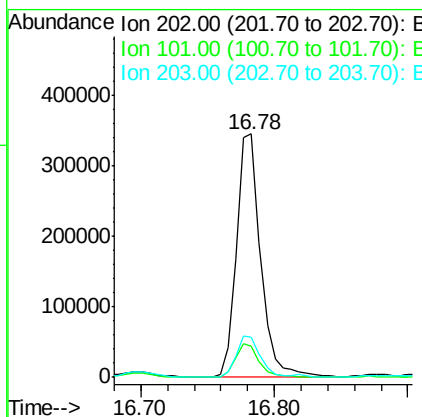
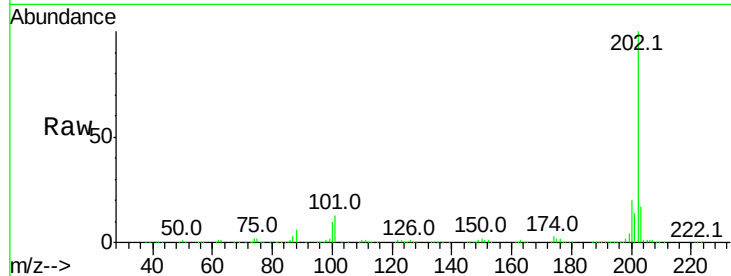
ClientSampleId :

EP1-WC7(0-4)DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	434364		
101	12.8	0.0	33.2	
203	16.7	0.0	38.1	

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

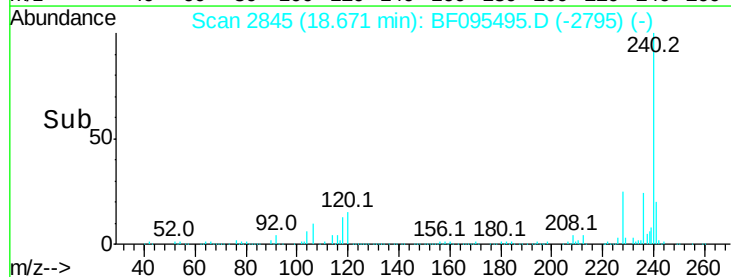
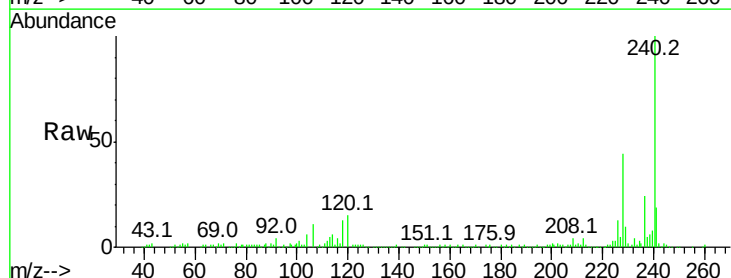
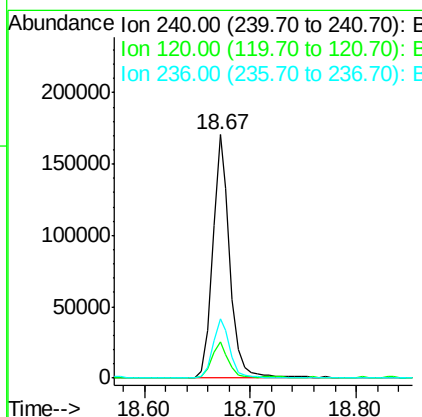
RT: 18.67 min Scan# 2845

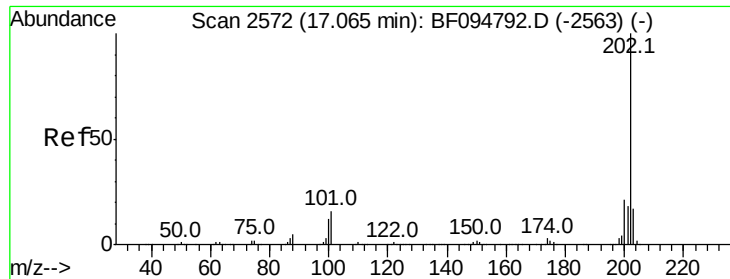
Delta R.T. -0.01 min

Lab File: BF095495.D

Acq: 27 May 2017 10:51

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	194895		
120	14.9	5.8	8.8#	
236	24.5	20.5	30.7	





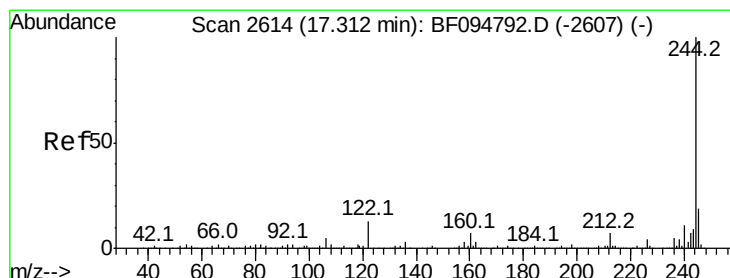
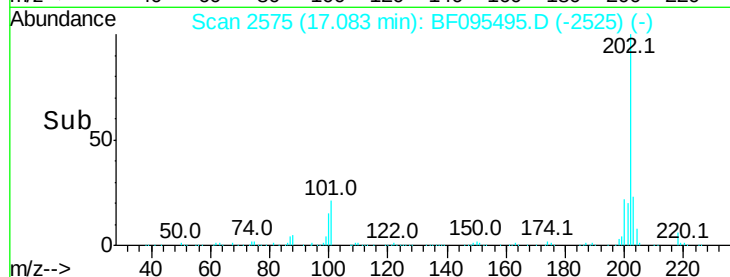
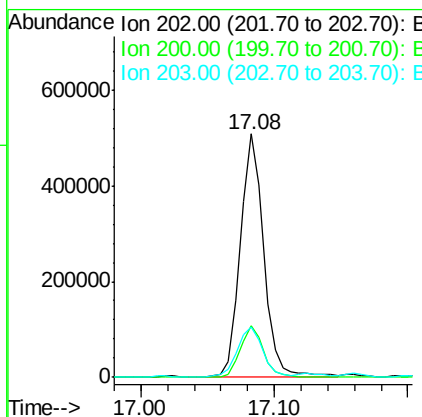
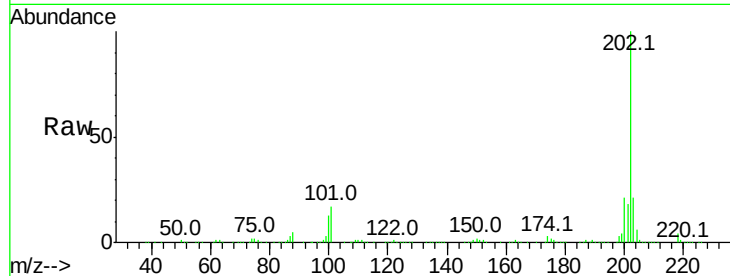
#77
Pvrene
Concen: 42.22 ng
RT: 17.08 min Scan# 2575
Delta R.T. -0.01 min
Lab File: BF095495.D
Acq: 27 May 2017 10:51

Instrument :
BNA_F
ClientSampleId :
EP1-WC7(0-4)DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.2	17.6	26.4	
203	20.6	14.4	21.6	

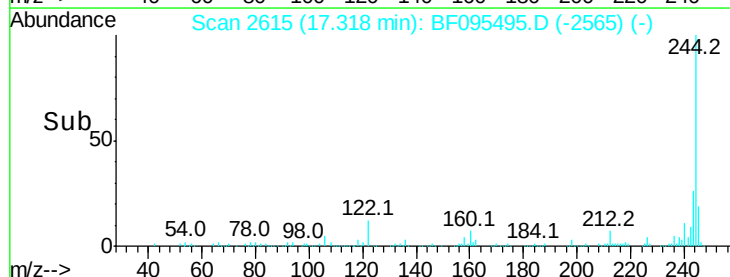
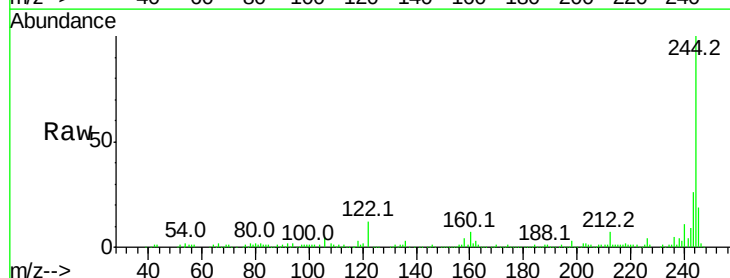
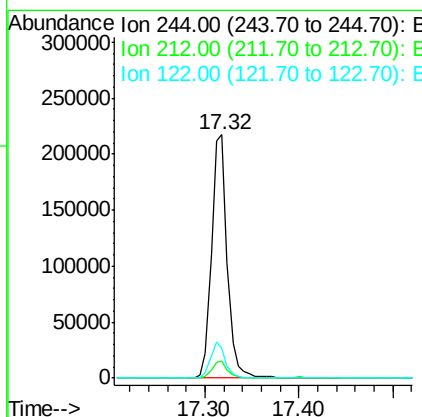
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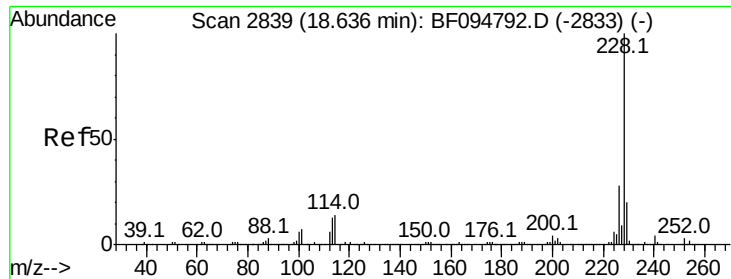
mohammad
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#78
Terphenyl-d14
Concen: 29.09 ng
RT: 17.32 min Scan# 2615
Delta R.T. -0.01 min
Lab File: BF095495.D
Acq: 27 May 2017 10:51

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.1	6.0	9.0	
122	12.4	10.3	15.5	





#80

Benzo(a)anthracene

Concen: 19.99 ng

RT: 18.66 min Scan# 2843

Delta R.T. -0.01 min

Lab File: BF095495.D

Acq: 27 May 2017 10:51

Instrument :

BNA_F

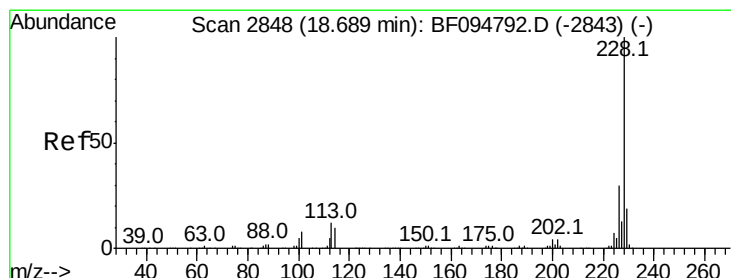
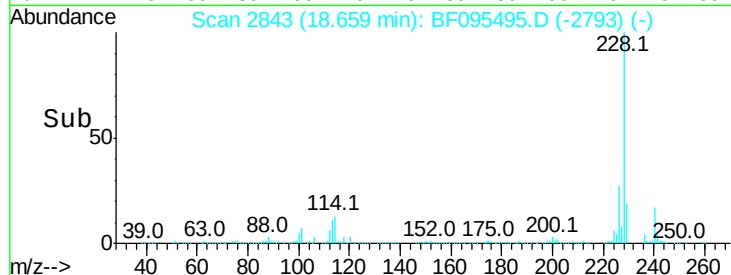
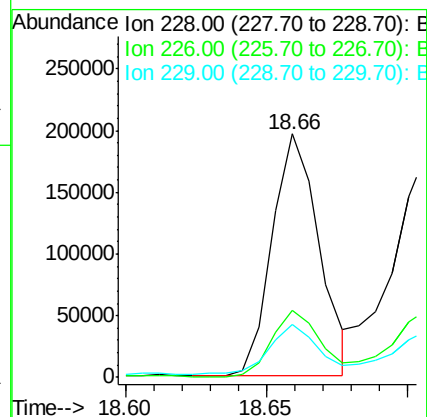
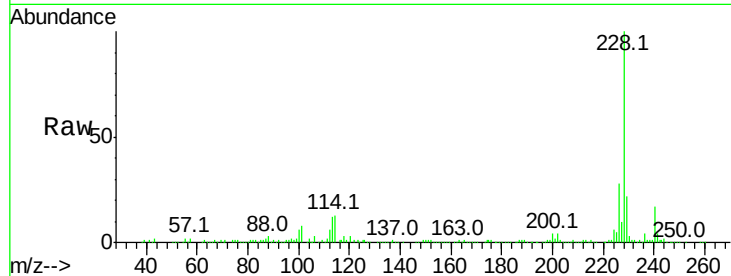
ClientSampled :

EP1-WC7(0-4)DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100		226748		
226	27.6	22.6	33.8		
229	21.6	16.3	24.5		

Manual Integrations
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#82

Chrysene

Concen: 23.64 ng m

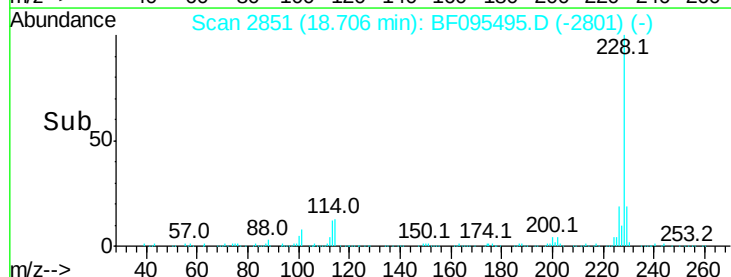
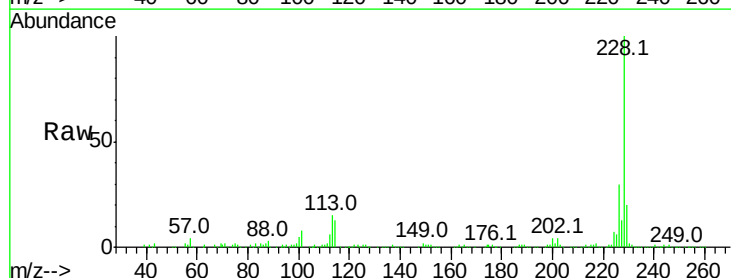
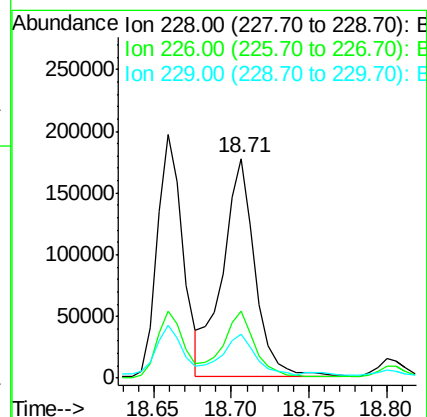
RT: 18.71 min Scan# 2851

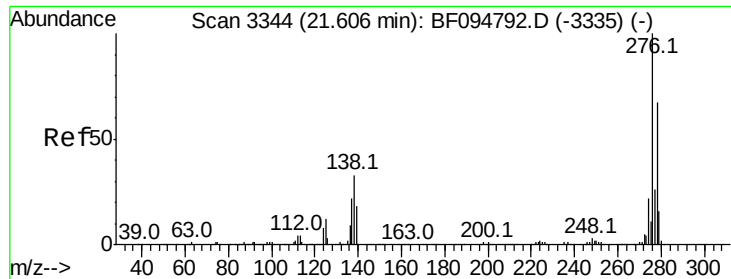
Delta R.T. -0.01 min

Lab File: BF095495.D

Acq: 27 May 2017 10:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
228	100		259223		
226	30.4	24.9	37.3		
229	20.1	15.8	23.6		





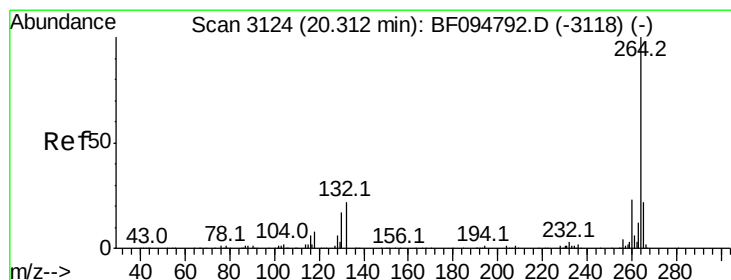
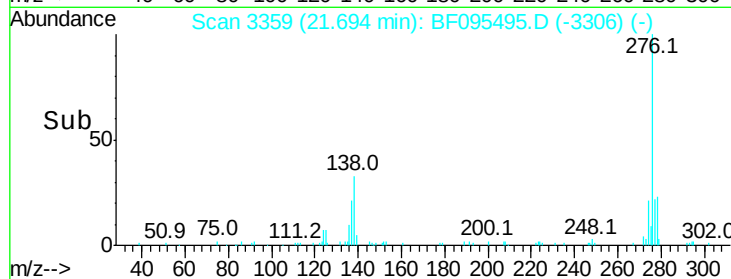
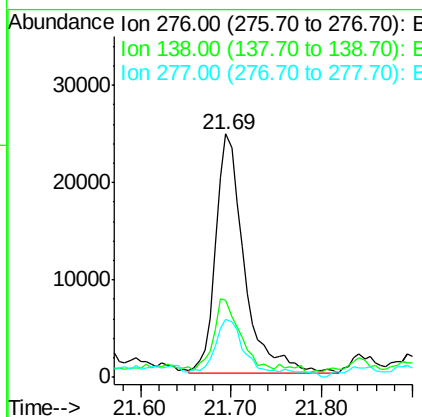
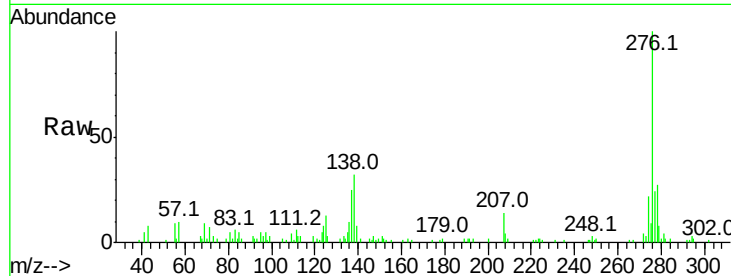
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.99 ng
 RT: 21.69 min Scan# 3359
 Delta R.T. 0.01 min
 Lab File: BF095495.D
 Acq: 27 May 2017 10:51

Instrument :
 BNA_F
 ClientSampleId :
 EP1-WC7(0-4)DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.2	27.8	41.6#
277	19.9	20.2	30.4#

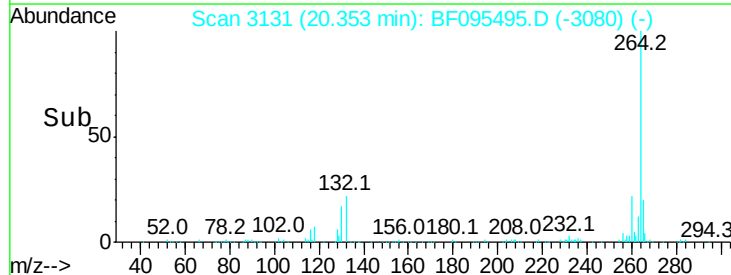
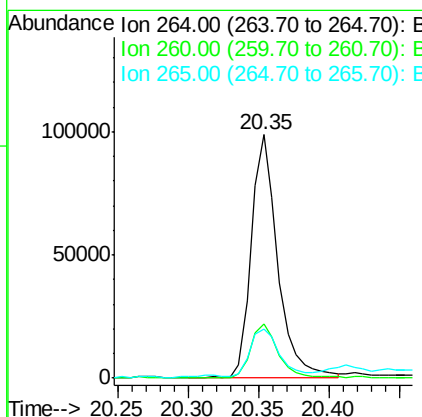
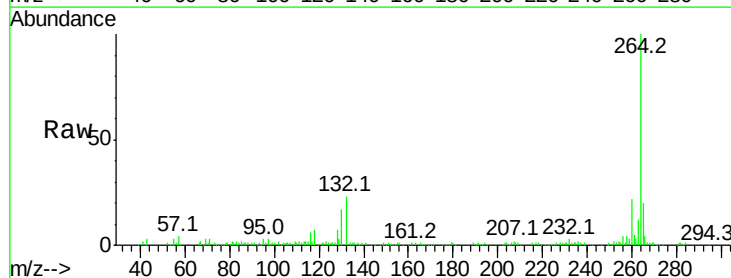
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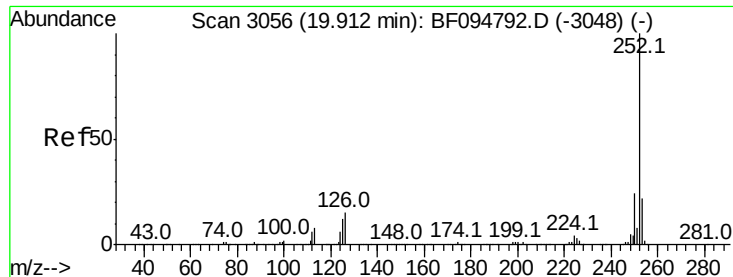
mohammad
 5/30/2017 1:37:40 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.35 min Scan# 3131
 Delta R.T. -0.00 min
 Lab File: BF095495.D
 Acq: 27 May 2017 10:51

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.5	29.3
265	20.2	17.2	25.8





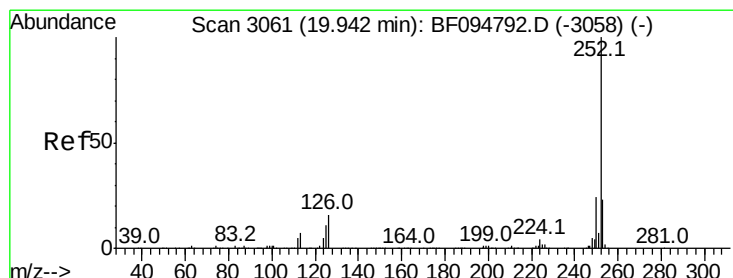
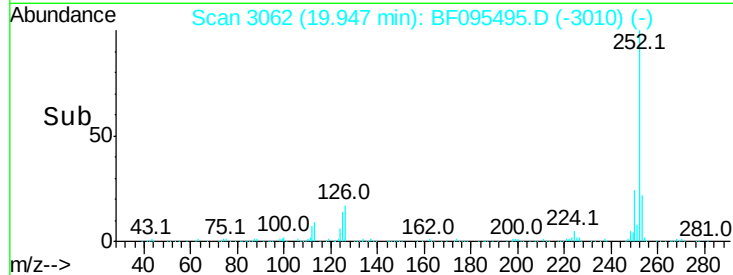
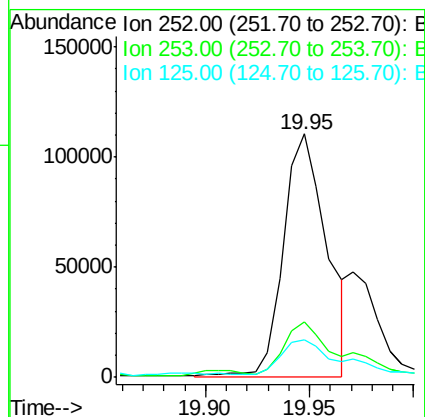
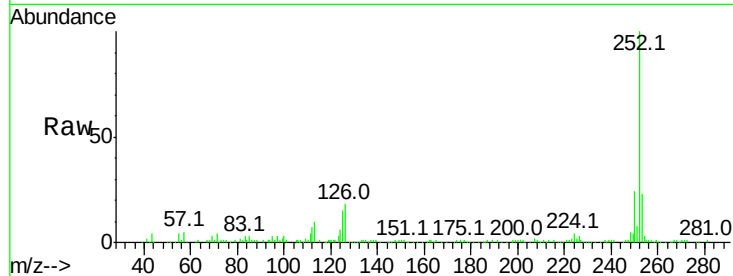
#87
Benzo(b)fluoranthene
Concen: 19.81 ng m
RT: 19.95 min Scan# 3062
Delta R.T. 0.01 min
Lab File: BF095495.D
Acq: 27 May 2017 10:51

Instrument :
BNA_F
ClientSampleId :
EP1-WC7(0-4)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	15.4	9.8	14.8

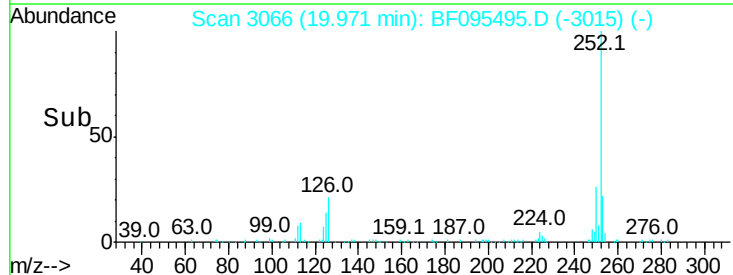
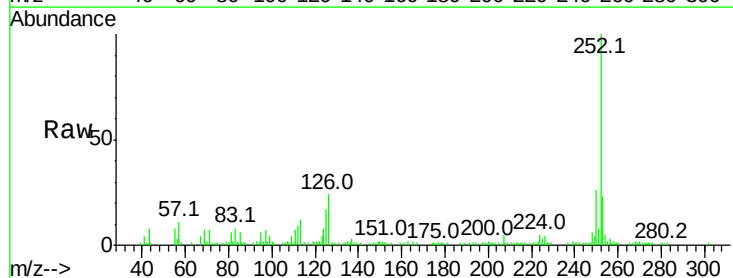
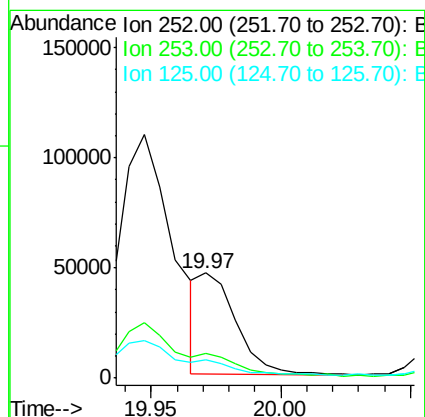
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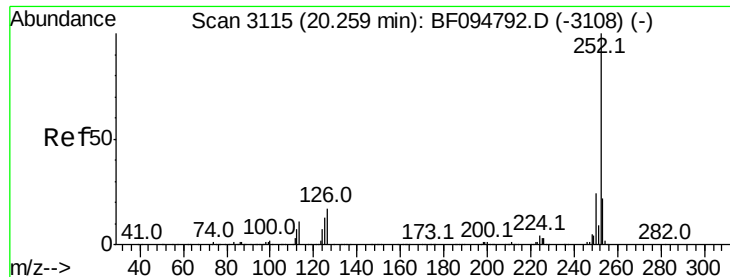
mohammad
5/30/2017 1:37:40 PM



#88
Benzo(k)fluoranthene
Concen: 6.00 ng m
RT: 19.97 min Scan# 3066
Delta R.T. -0.00 min
Lab File: BF095495.D
Acq: 27 May 2017 10:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.4	27.6
125	16.9	13.1	19.7





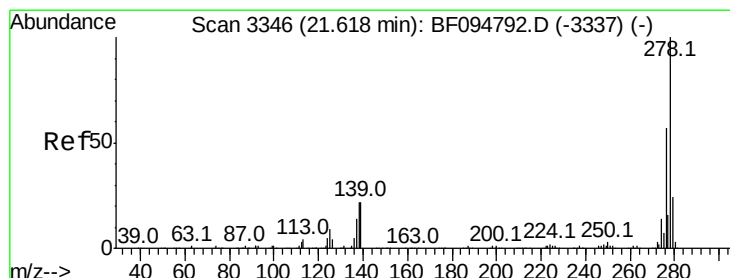
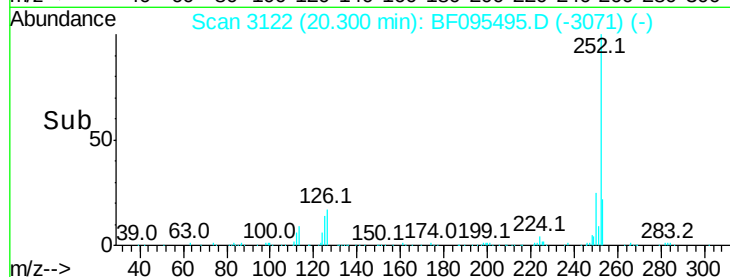
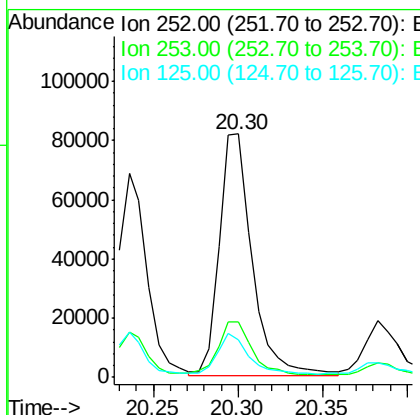
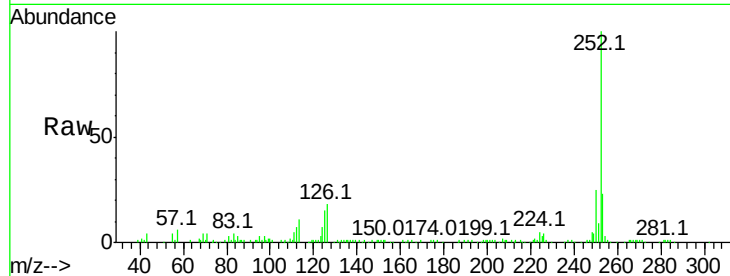
#89
Benzo(a)pyrene
Concen: 14.91 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.00 min
Lab File: BF095495.D
Acq: 27 May 2017 10:51

Instrument :
BNA_F
ClientSampleId :
EP1-WC7(0-4)DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
252	100		110992		
253	22.7	17.5	26.3		
125	15.5	11.0	16.4		

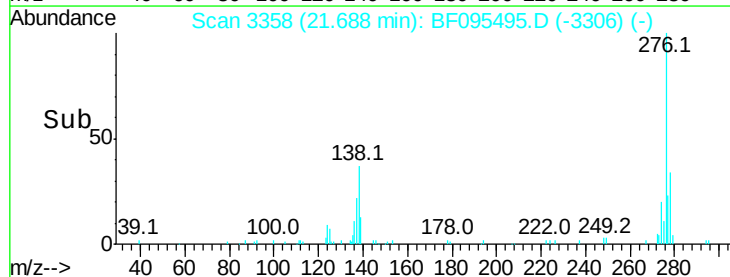
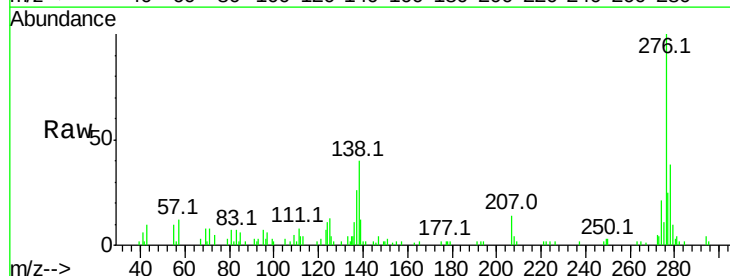
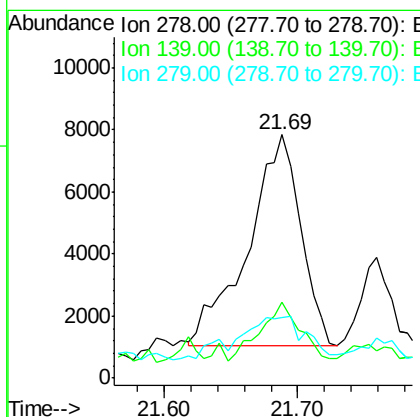
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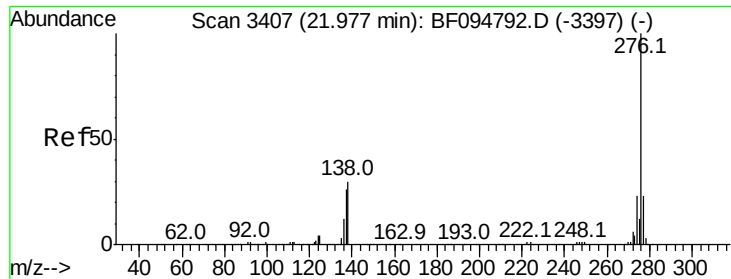
mohammad
5/30/2017 1:37:40 PM



#90
Dibenzo(a,h)anthracene
Concen: 3.03 ng m
RT: 21.69 min Scan# 3358
Delta R.T. 0.01 min
Lab File: BF095495.D
Acq: 27 May 2017 10:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
278	100		18603		
139	31.3	16.6	24.8#		
279	25.1	19.3	28.9		





#91
 Benzo(a,h,i)perylene
 Concen: 9.40 ng
 RT: 22.08 min Scan# 3425
 Delta R.T. 0.01 min
 Lab File: BF095495.D
 Acq: 27 May 2017 10:51

Instrument :
 BNA_F
 ClientSampleId :
 EP1-WC7(0-4)DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.6	18.6	28.0
138	34.1	25.4	38.0

Manual Integrations
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