

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
 Data File : BF095435.D
 Acq On : 25 May 2017 21:28
 Operator : SJ/MA
 Sample : I3200-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-35-20170517

Manual Integrations
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Quant Time: May 26 03:00:19 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	7.74	152	102360	20.00	ng	-0.02
21) Naphthalene-d8	9.77	136	407455	20.00	ng	-0.02
38) Acenaphthene-d10	12.59	164	172768	20.00	ng	-0.02
63) Phenanthrene-d10	15.00	188	255980	20.00	ng	-0.02
75) Chrysene-d12	18.68	240	193431	20.00	ng	-0.02
86) Perylene-d12	20.36	264	145906	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	673610	109.72	ng	-0.02
7) Phenol-d6	7.29	99	836398	113.54	ng	-0.02
23) Nitrobenzene-d5	8.65	82	460125	71.21	ng	-0.02
41) 2,4,6-Tribromophenol	13.90	330	109220	77.19	ng	-0.02
44) 2-Fluorobiphenyl	11.54	172	859509	71.61	ng	-0.02
78) Terphenyl-d14	17.32	244	502677	57.24	ng	-0.02
Target Compounds						Qvalue
48) Acenaphthylene	12.38	152	56832	3.09	ng	98
49) Dimethylphthalate	12.24	163	224850	15.85	ng	98
51) Acenaphthene	12.65	154	24372	2.22	ng	98
57) Fluorene	13.50	166	27574	2.09	ng	99
70) Phenanthrene	15.04	178	431372	29.33	ng	97
71) Anthracene	15.13	178	98482m	6.56	ng	
72) Carbazole	15.42	167	38699	2.83	ng	98
74) Fluoranthene	16.78	202	588315	38.99	ng	98
77) Pyrene	17.09	202	588691	40.69	ng	98
80) Benzo(a)anthracene	18.67	228	260469	23.14	ng	97
82) Chrysene	18.71	228	273743	25.15	ng	98
83) Bis(2-ethylhexyl)phthalate	18.72	149	19623	2.05	ng	# 90
85) Indeno(1,2,3-cd)pyrene	21.69	276	103074	11.66	ng	94
87) Benzo(b)fluoranthene	19.95	252	274434m	30.44	ng	
88) Benzo(k)fluoranthene	19.98	252	96356m	11.08	ng	
89) Benzo(a)pyrene	20.30	252	188410	22.65	ng	97
90) Dibenzo(a,h)anthracene	21.69	278	22837m	3.32	ng	
91) Benzo(g,h,i)perylene	22.08	276	101835	15.10	ng	97

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

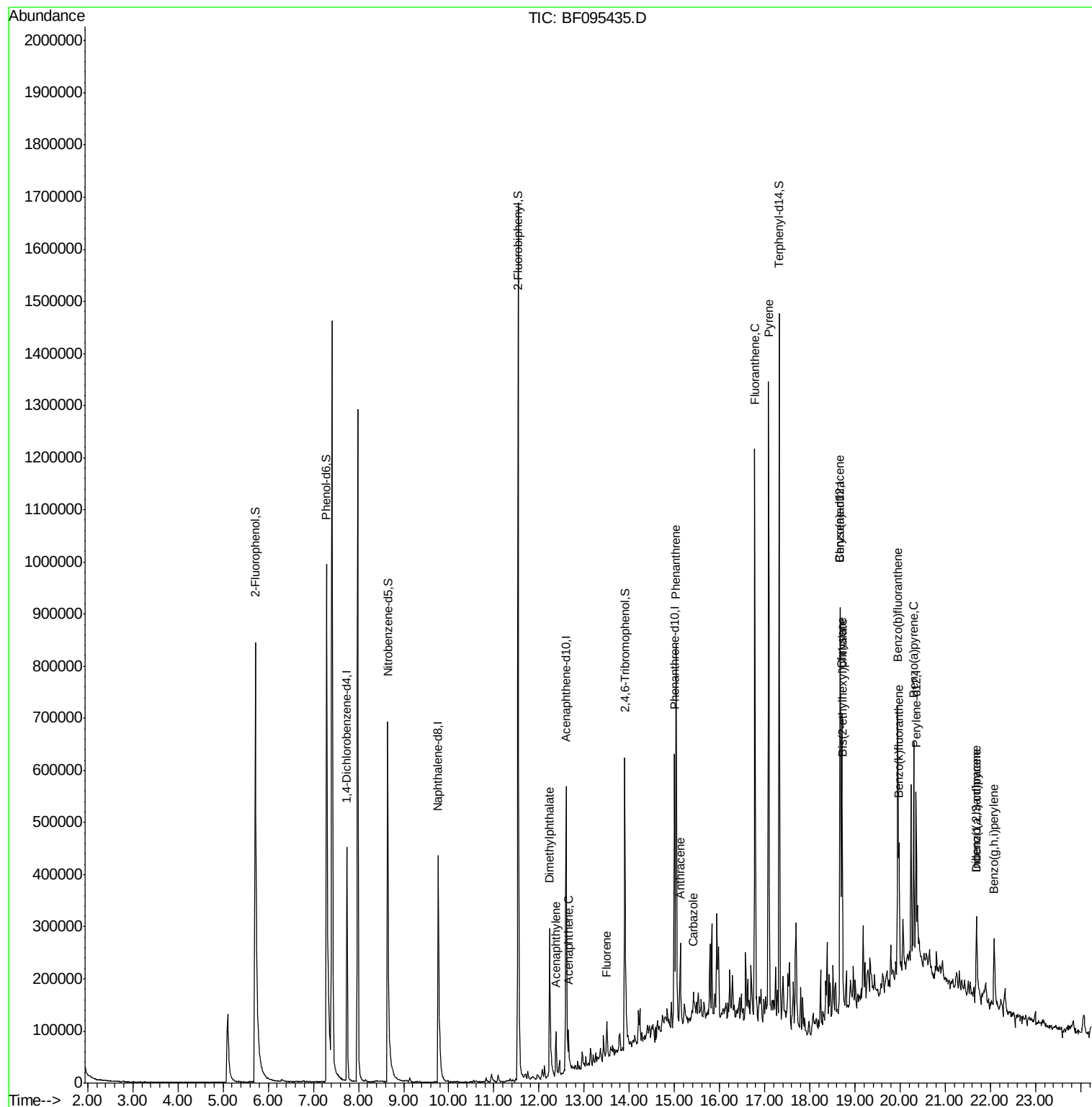
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
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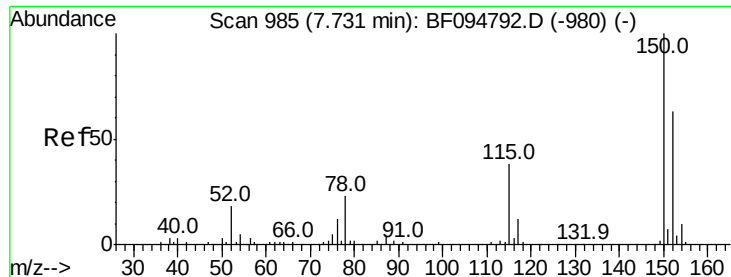
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#1

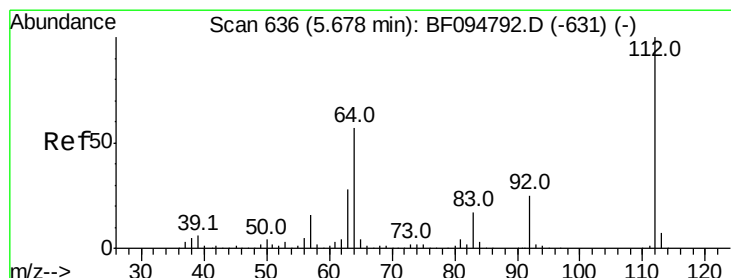
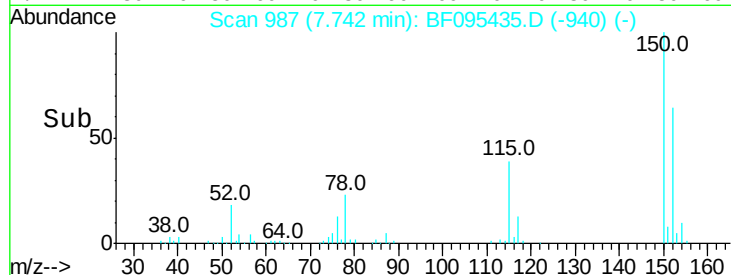
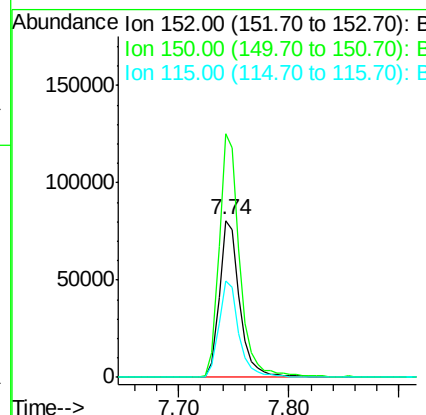
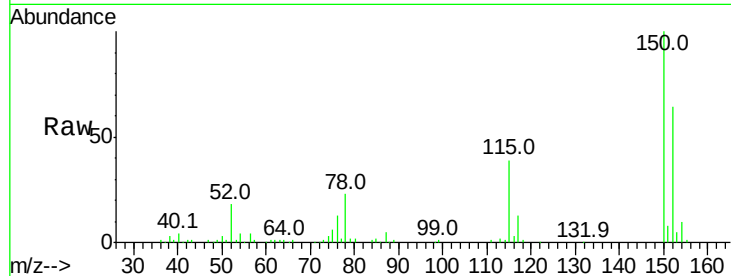
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 987
Delta R.T. -0.02 min
Lab File: BF095435.D
Acq: 25 May 2017 21:28

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	126.2	189.2
115	61.2	52.2	78.2

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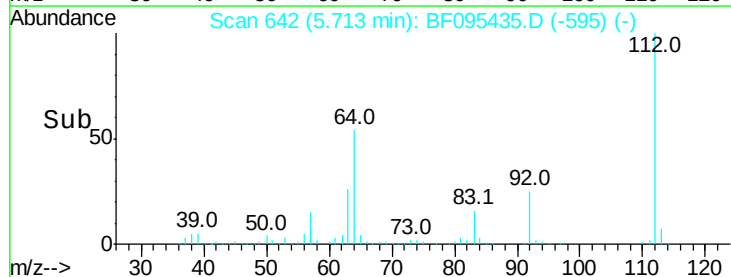
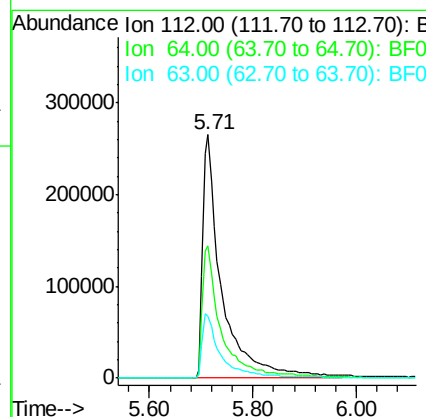
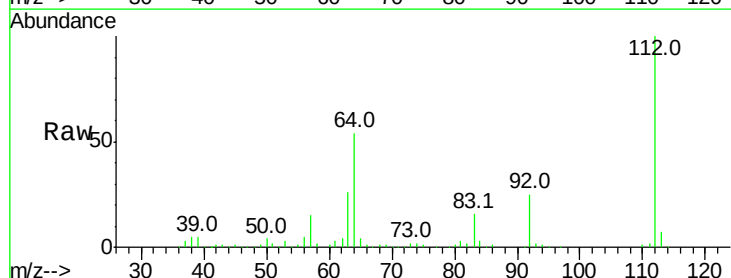
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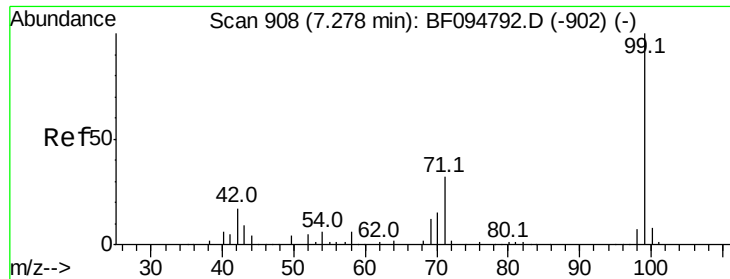


#5

2-Fluorophenol
Concen: 109.72 ng
RT: 5.71 min Scan# 642
Delta R.T. -0.02 min
Lab File: BF095435.D
Acq: 25 May 2017 21:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.5	46.0	69.0
63	25.5	23.4	35.0





#7

Phenol-d6

Concen: 113.54 ng

RT: 7.29 min Scan# 910

Delta R.T. -0.02 min

Lab File: BF095435.D

Acq: 25 May 2017 21:28

Instrument :

BNA_F

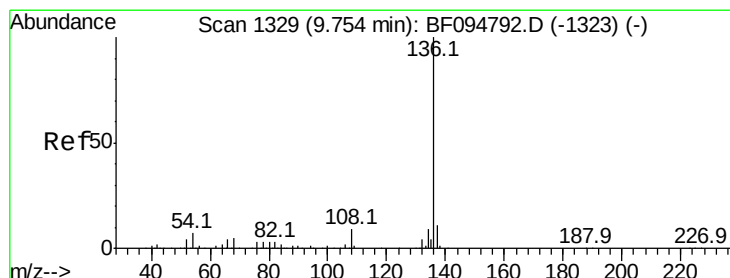
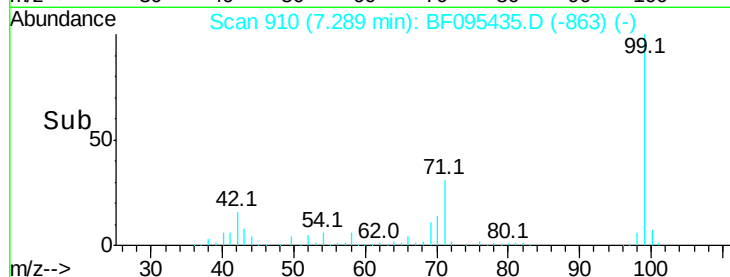
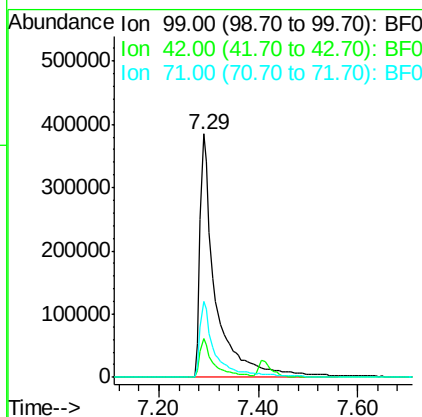
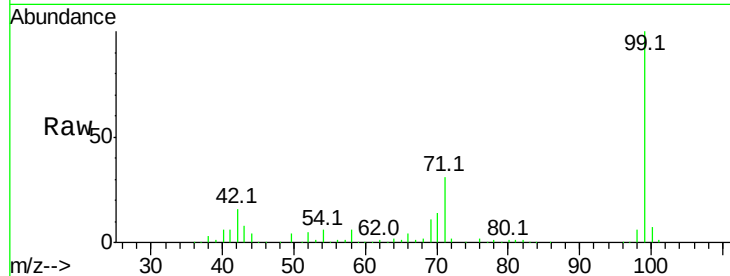
ClientSampleId :

POST-EX-35-20170517

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		836398		
42	15.8	13.5	20.3		
71	30.9	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.00 ng

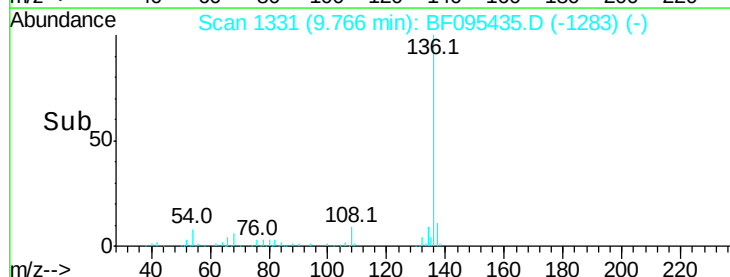
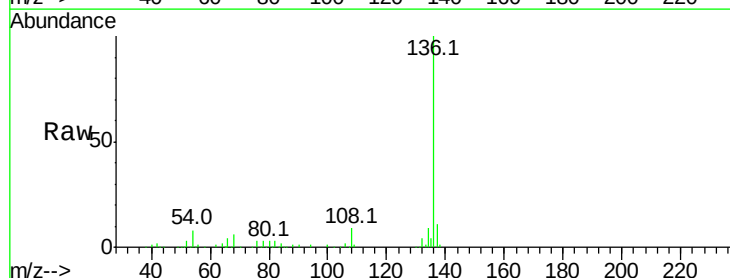
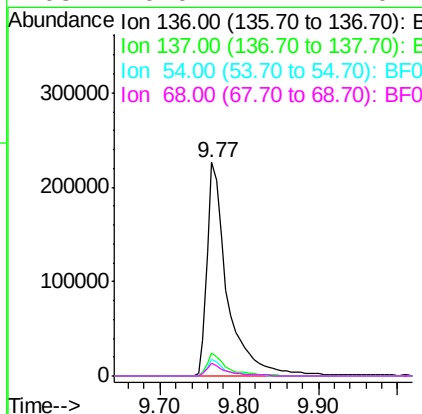
RT: 9.77 min Scan# 1331

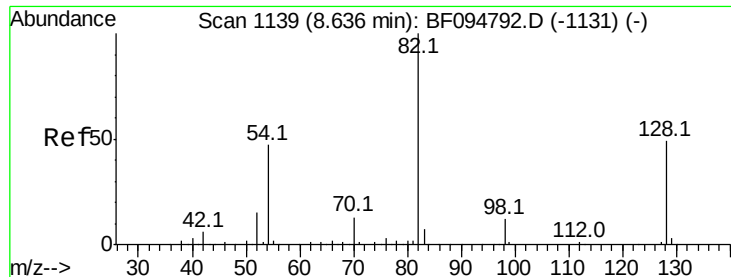
Delta R.T. -0.02 min

Lab File: BF095435.D

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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		407455		
137	11.1	8.5	12.7		
54	8.0	4.9	7.3#		
68	6.0	4.1	6.1		





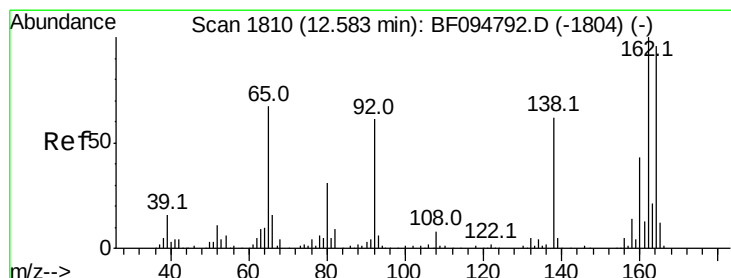
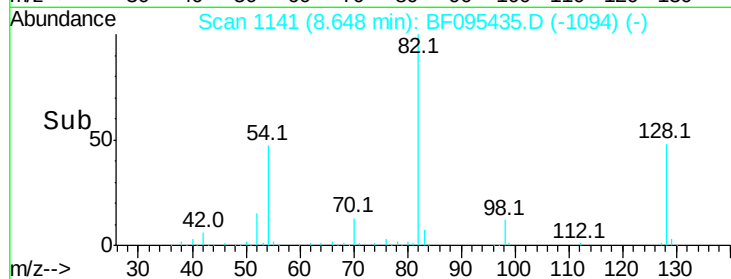
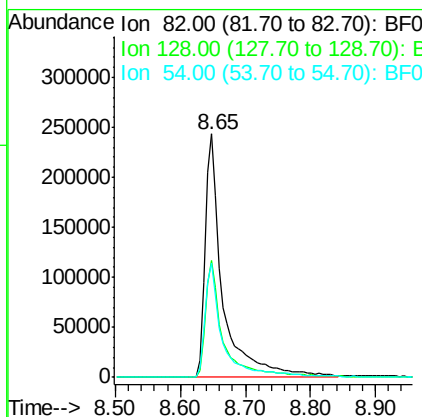
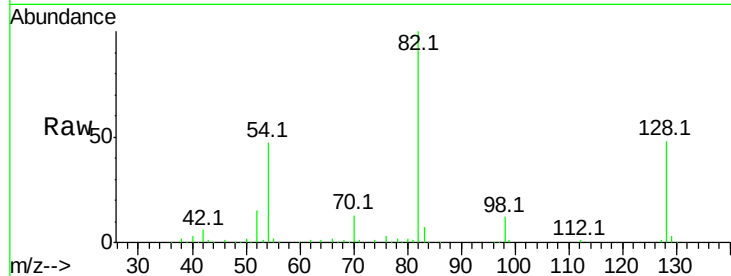
#23
 Nitrobenzene-d5
 Concen: 71.21 ng
 RT: 8.65 min Scan# 1141
 Delta R.T. -0.02 min
 Lab File: BF095435.D
 Acq: 25 May 2017 21:28

Instrument :
 BNA_F
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Tot Ion	82	Resp	460125
Ion Ratio	Lower	Upper	
82	100		
128	48.3	34.0	51.0
54	47.2	42.2	63.2

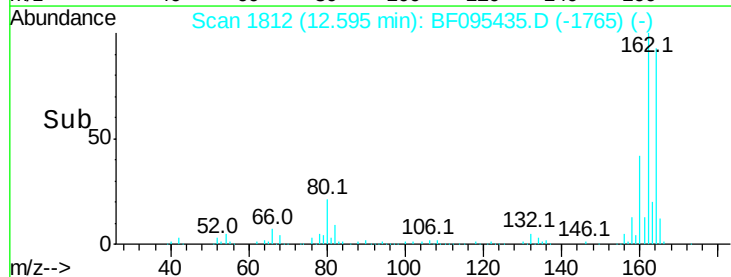
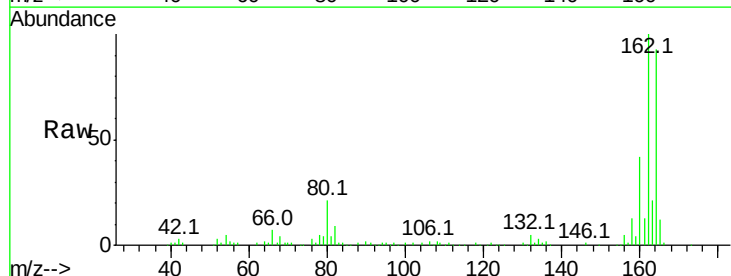
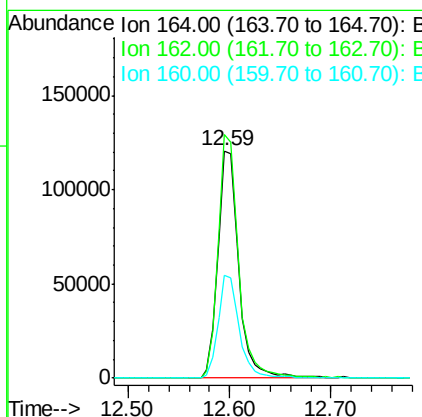
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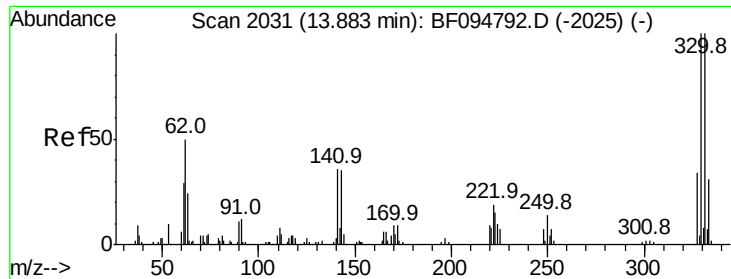
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.59 min Scan# 1812
 Delta R.T. -0.02 min
 Lab File: BF095435.D
 Acq: 25 May 2017 21:28

Tgt Ion	164	Resp	172768
Ion Ratio	Lower	Upper	
164	100		
162	107.2	82.6	123.8
160	45.5	36.2	54.2





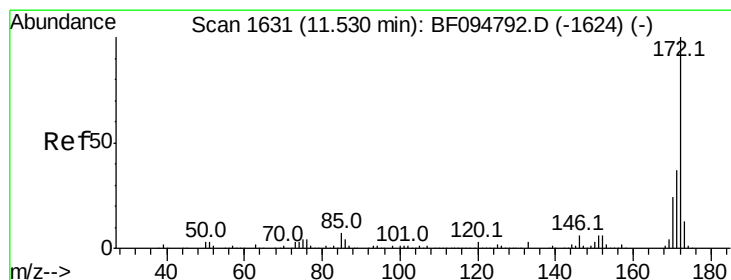
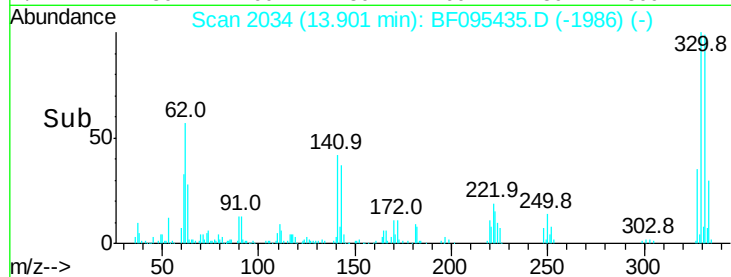
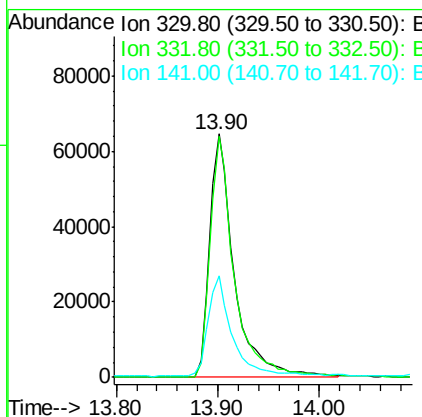
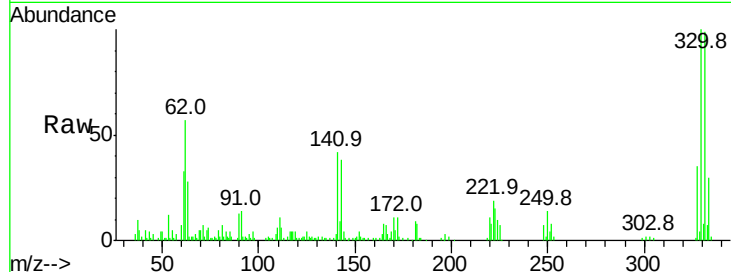
#41
 2,4,6-Tribromophenol
 Concen: 77.19 ng
 RT: 13.90 min Scan# 2034
 Delta R.T. -0.02 min
 Lab File: BF095435.D
 Acq: 25 May 2017 21:28

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
330	100	109220		
332	97.9	76.6	115.0	
141	39.4	31.4	47.2	

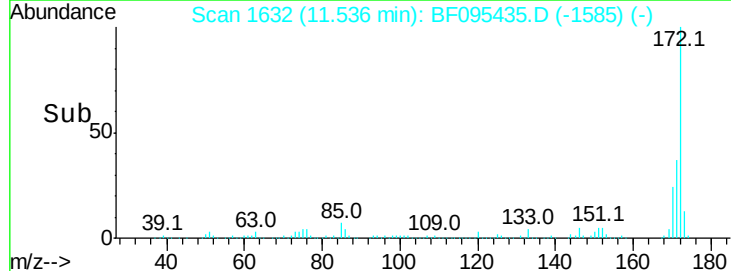
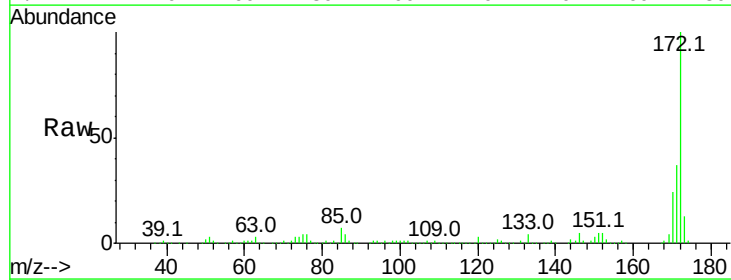
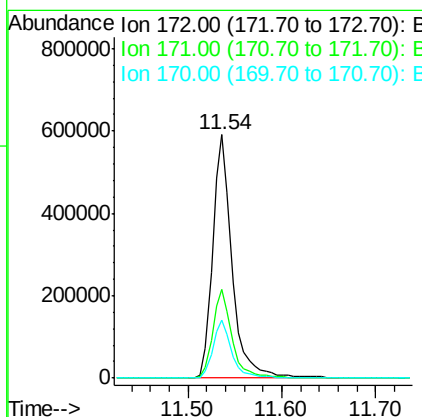
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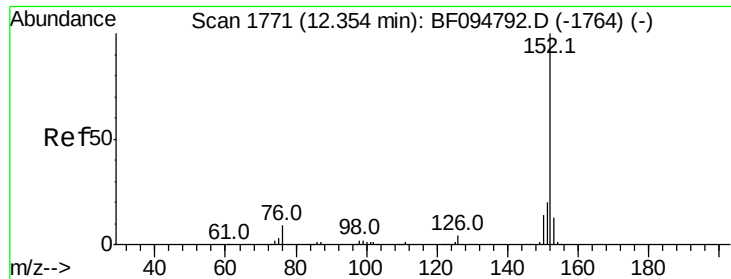
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#44
 2-Fluorobiphenyl
 Concen: 71.61 ng
 RT: 11.54 min Scan# 1632
 Delta R.T. -0.02 min
 Lab File: BF095435.D
 Acq: 25 May 2017 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	859509		
171	36.5	29.6	44.4	
170	23.9	19.8	29.8	





#48

Acenaphthylene

Concen: 3.09 ng

RT: 12.38 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BF095435.D

Acq: 25 May 2017 21:28

Instrument :

BNA_F

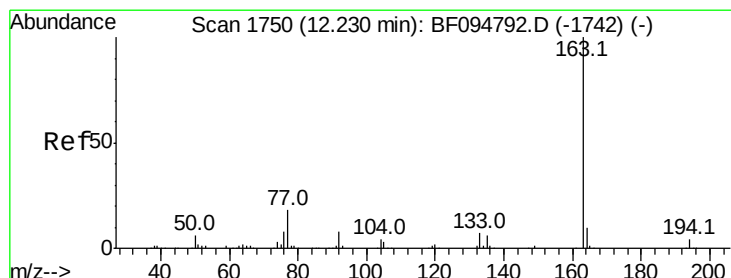
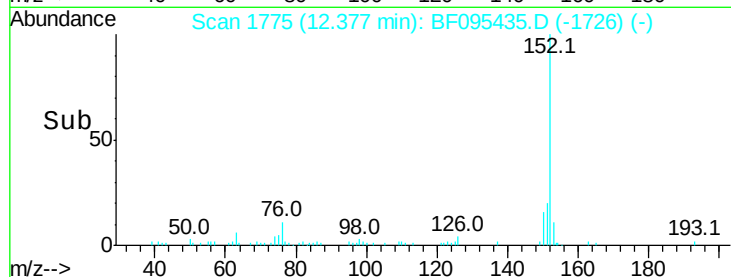
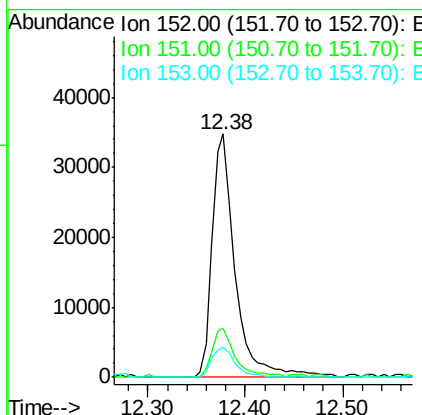
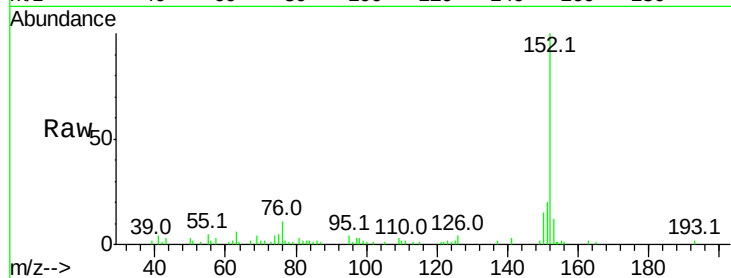
ClientSampleId :

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Tot Ion:	152	Resp:	56832
Ion Ratio	Lower	Upper	
152	100		
151	20.2	16.8	25.2
153	12.1	10.8	16.2

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#49

Dimethylphthalate

Concen: 15.85 ng

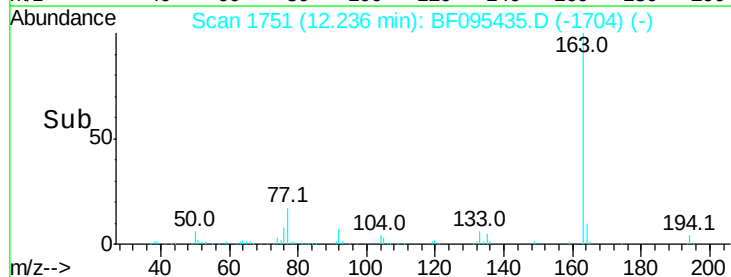
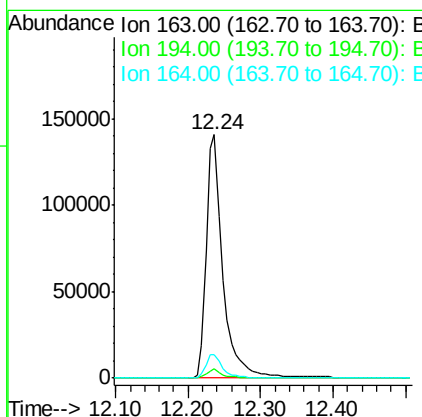
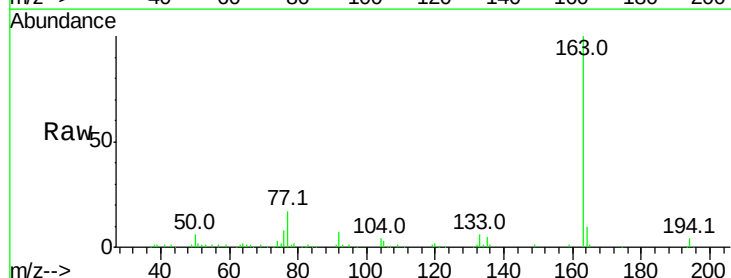
RT: 12.24 min Scan# 1751

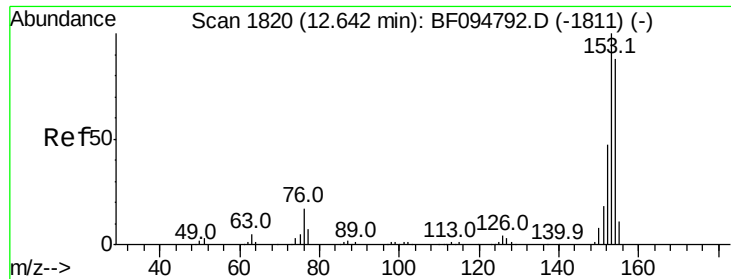
Delta R.T. -0.02 min

Lab File: BF095435.D

Acq: 25 May 2017 21:28

Tgt Ion:	163	Resp:	224850
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.6	4.0
164	9.6	8.4	12.6





#51

Acenaphthene

Concen: 2.22 ng

RT: 12.65 min Scan# 1822

Delta R.T. -0.02 min

Lab File: BF095435.D

Acq: 25 May 2017 21:28

Instrument :

BNA_F

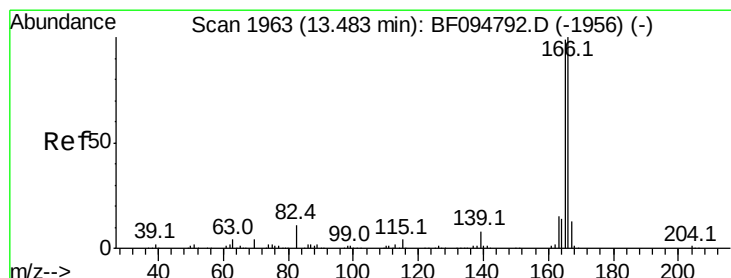
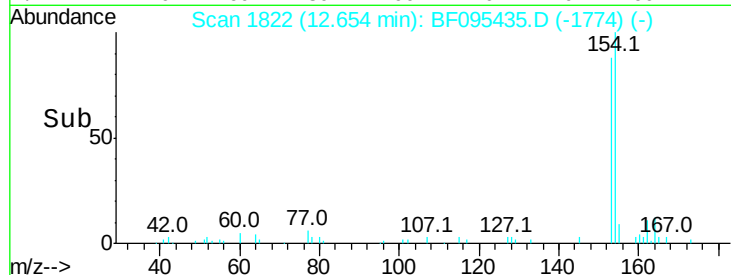
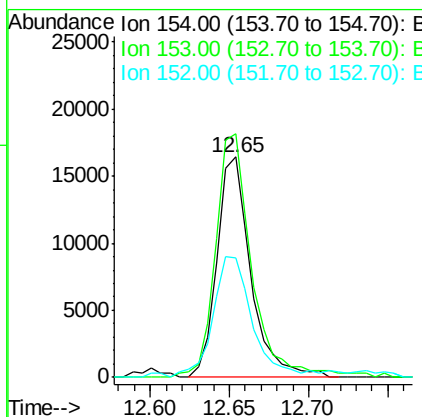
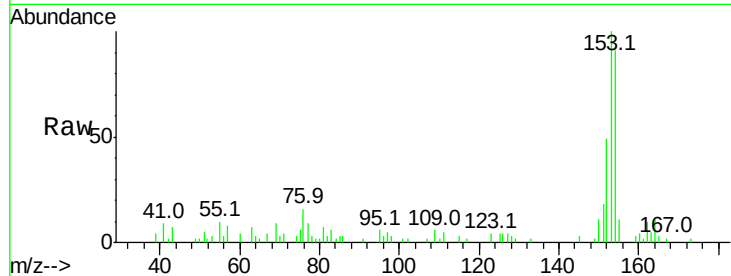
ClientSampleId :

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Tot Ion:	154	Resp:	24372
Ion Ratio	Lower	Upper	
154	100		
153	110.5	90.5	135.7
152	54.2	43.6	65.4

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#57

Fluorene

Concen: 2.09 ng

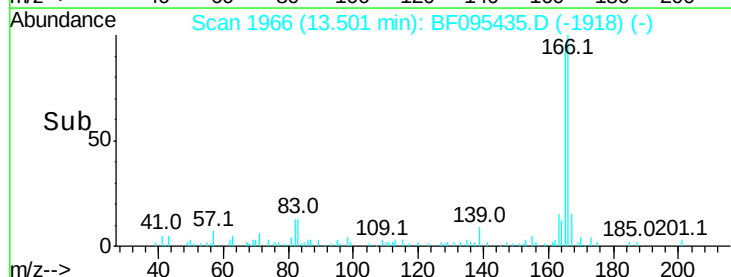
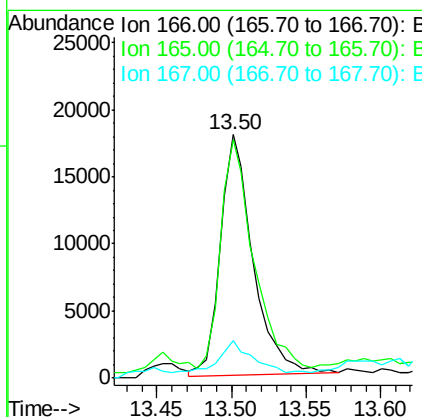
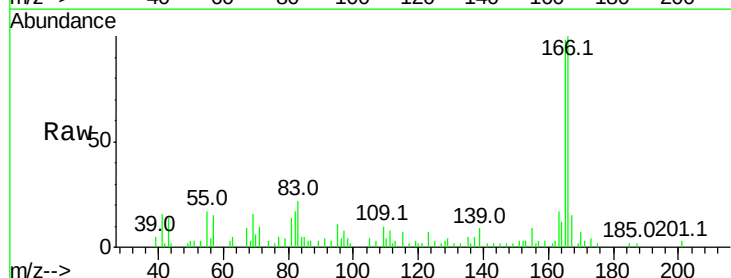
RT: 13.50 min Scan# 1966

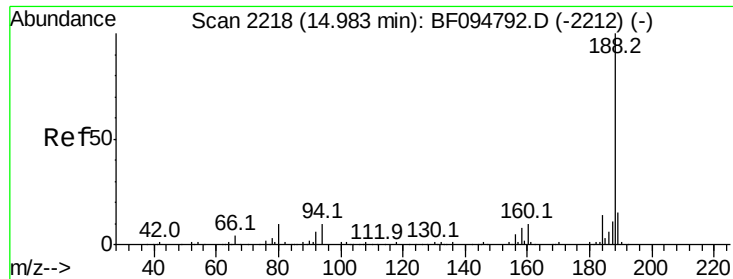
Delta R.T. -0.02 min

Lab File: BF095435.D

Acq: 25 May 2017 21:28

Tgt Ion:	166	Resp:	27574
Ion Ratio	Lower	Upper	
166	100		
165	97.7	78.8	118.2
167	15.3	10.6	16.0





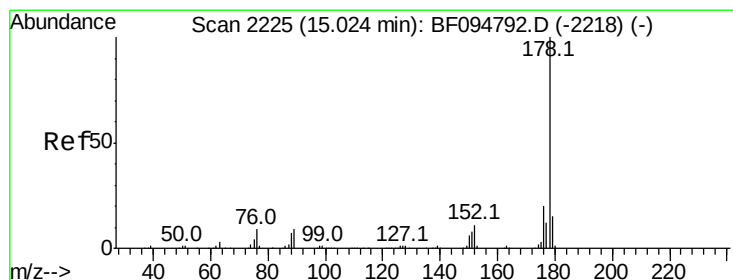
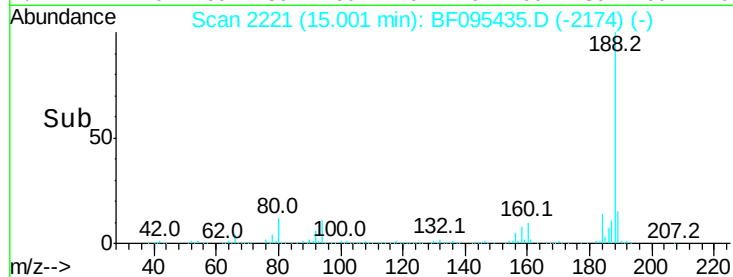
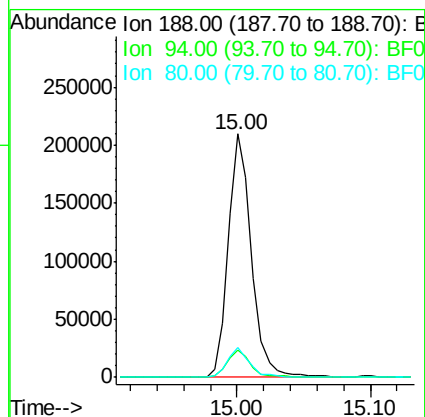
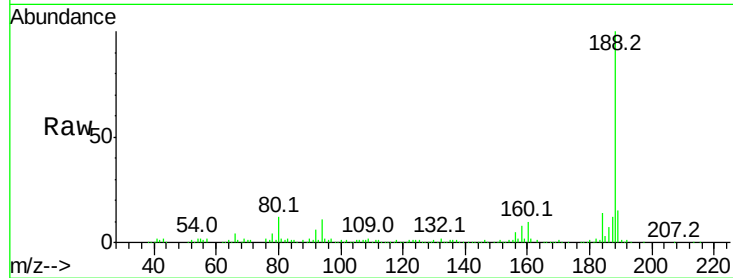
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 15.00 min Scan# 2221
Delta R.T. -0.02 min
Lab File: BF095435.D
Acq: 25 May 2017 21:28

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
188	100	255980		
94	11.4		9.4	14.2
80	12.1		10.2	15.2

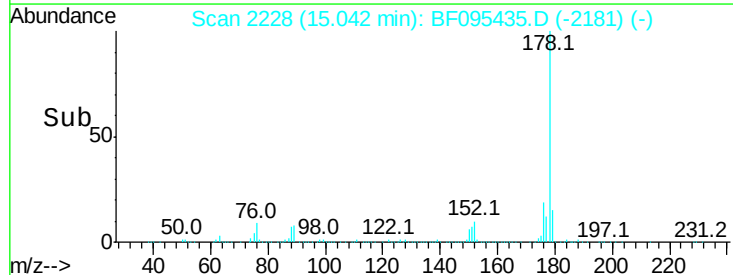
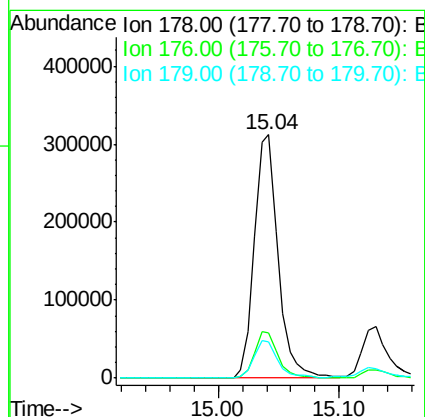
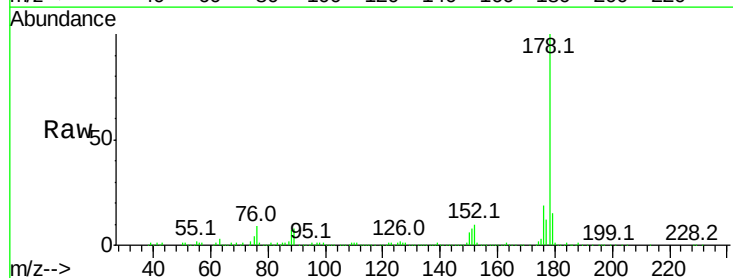
Manual Integrations
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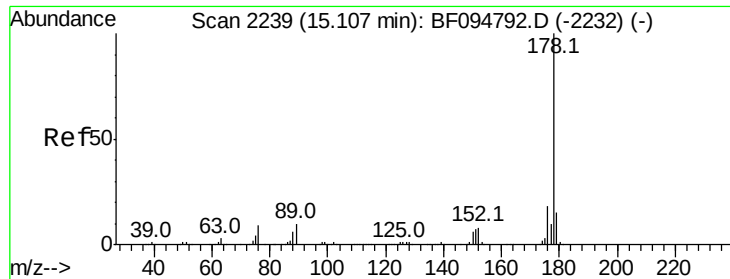
mohammad
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#70
Phenanthrene
Concen: 29.33 ng
RT: 15.04 min Scan# 2228
Delta R.T. -0.02 min
Lab File: BF095435.D
Acq: 25 May 2017 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	431372		
176	18.7		16.2	24.4
179	15.1		12.6	19.0





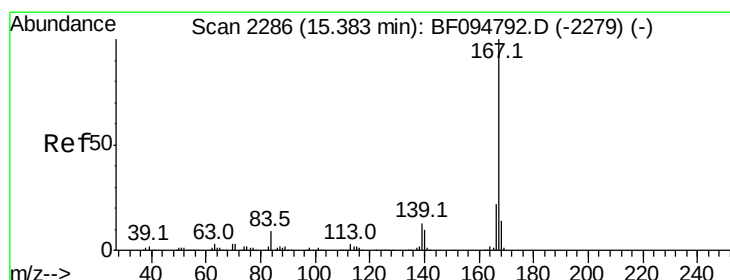
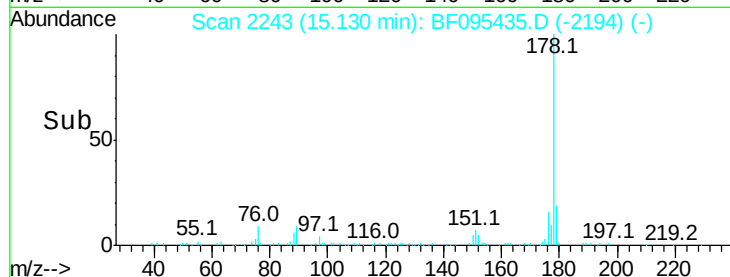
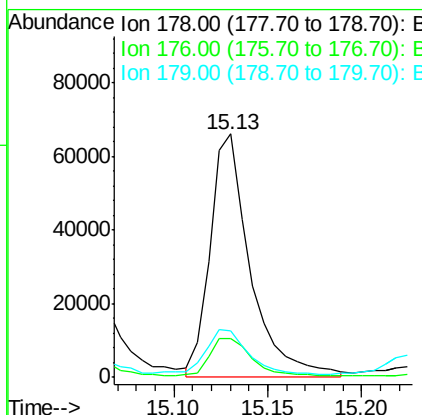
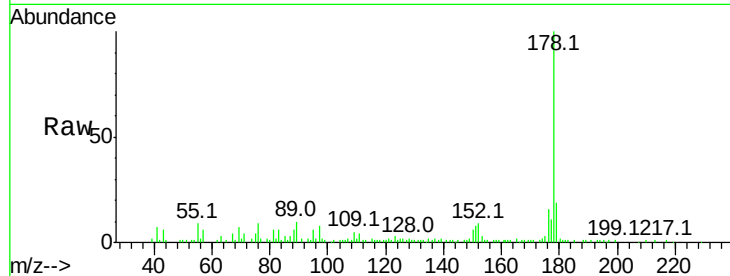
#71
 Anthracene
 Concen: 6.56 ng/mL
 RT: 15.13 min Scan# 2243
 Delta R.T. -0.01 min
 Lab File: BF095435.D
 Acq: 25 May 2017 21:28

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-35-20170517

Tot Ion	Ratio	Lower	Upper
178	100		
176	16.1	15.8	23.8
179	19.2	12.7	19.1

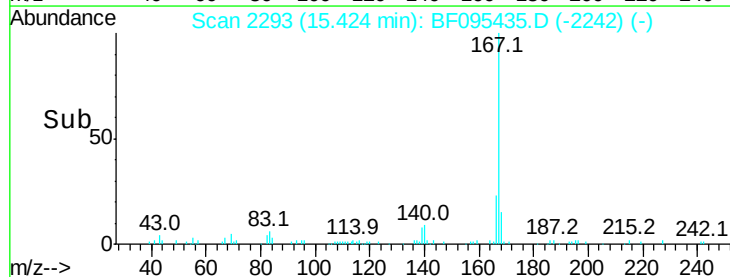
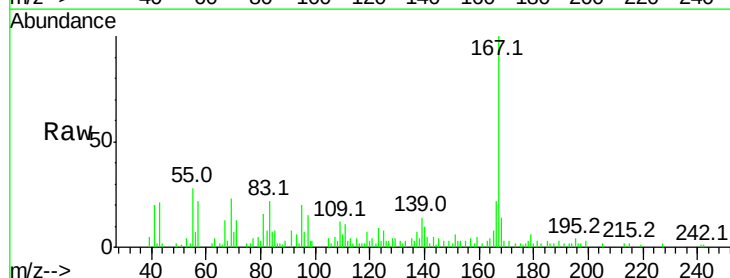
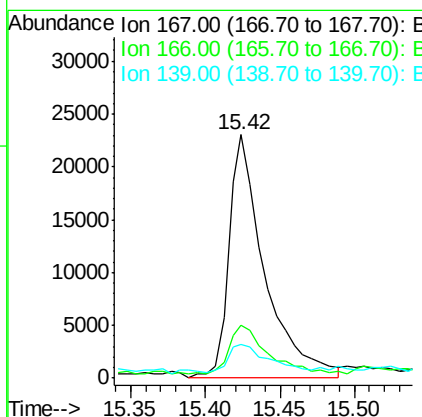
Manual Integrations
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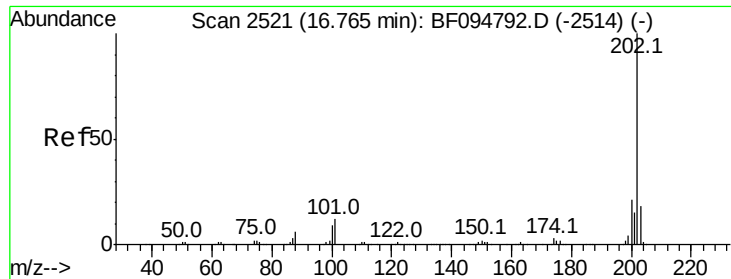
mohammad
 5/26/2017 1:26:01 PM



#72
 Carbazole
 Concen: 2.83 ng/mL
 RT: 15.42 min Scan# 2293
 Delta R.T. 0.00 min
 Lab File: BF095435.D
 Acq: 25 May 2017 21:28

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.9	18.1	27.1
139	13.7	11.7	17.5





#74

Fluoranthene

Concen: 38.99 ng

RT: 16.78 min Scan# 2524

Delta R.T. -0.02 min

Lab File: BF095435.D

Acq: 25 May 2017 21:28

Instrument :

BNA_F

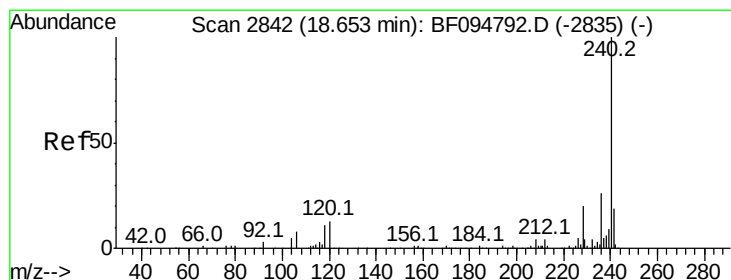
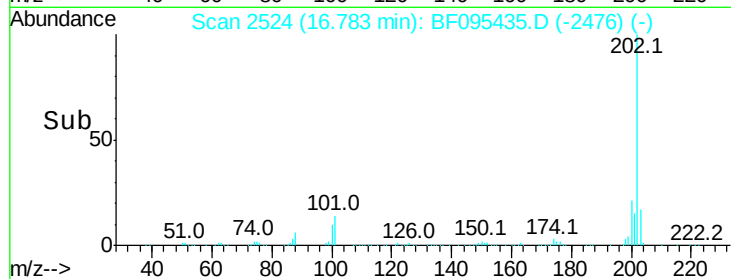
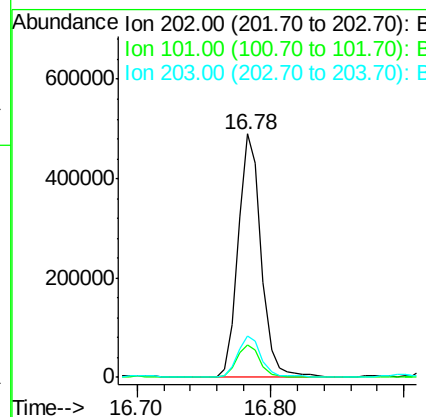
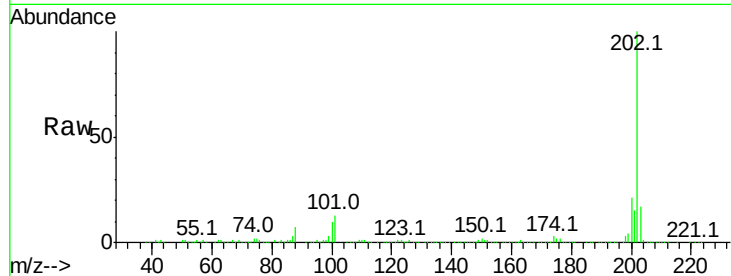
ClientSampleId :

POST-EX-35-20170517

Tot Ion	Ratio	Resp	Lower	Upper
202	100	588315		
101	13.5	0.0	33.2	
203	17.1	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.00 ng

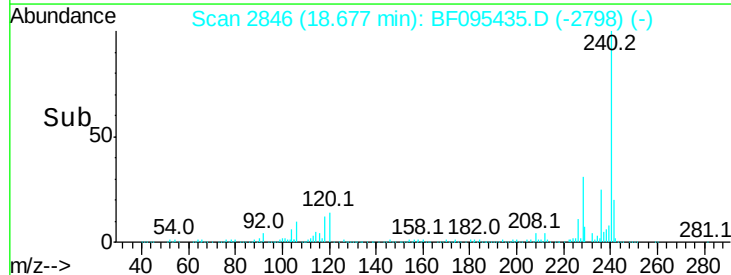
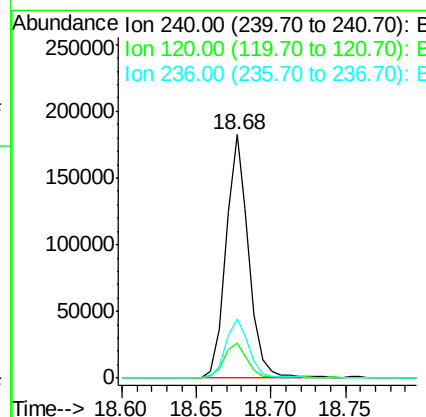
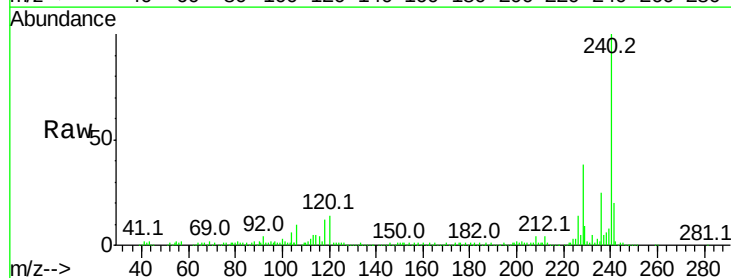
RT: 18.68 min Scan# 2846

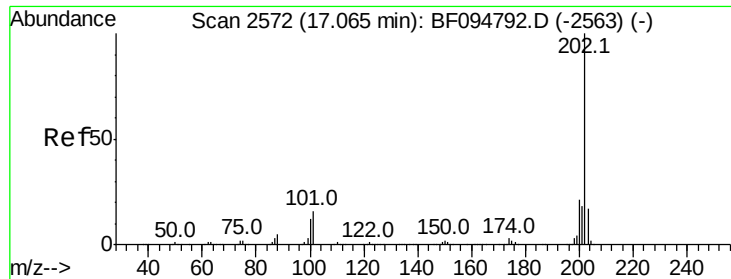
Delta R.T. -0.02 min

Lab File: BF095435.D

Acq: 25 May 2017 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	193431		
120	14.4	5.8	8.8#	
236	24.5	20.5	30.7	





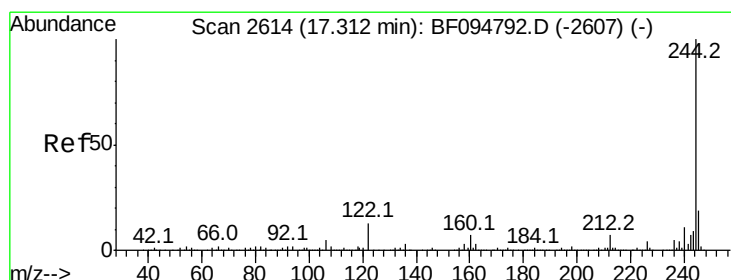
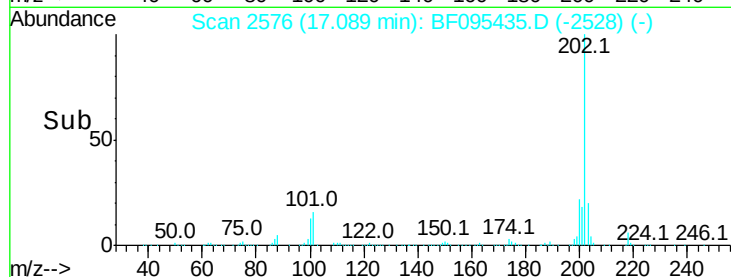
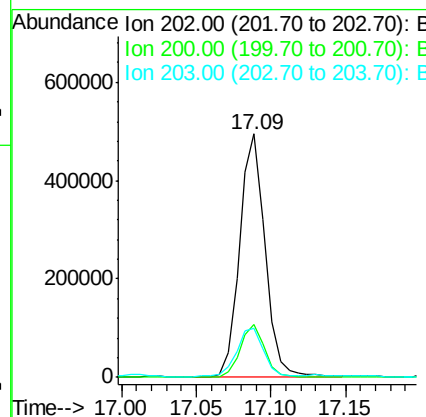
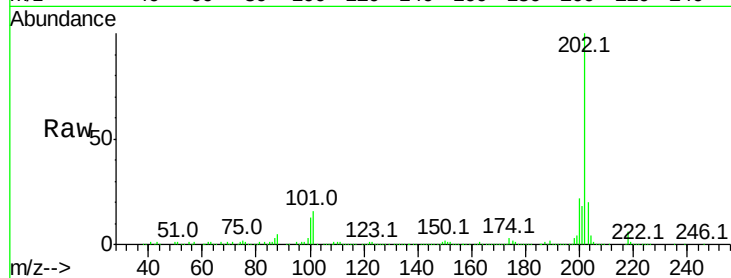
#77
Pvrene
Concen: 40.69 ng
RT: 17.09 min Scan# 2576
Delta R.T. -0.02 min
Lab File: BF095435.D
Acq: 25 May 2017 21:28

Instrument :
BNA_F
ClientSampleId :
POST-EX-35-20170517

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.8	17.6	26.4
203	20.1	14.4	21.6

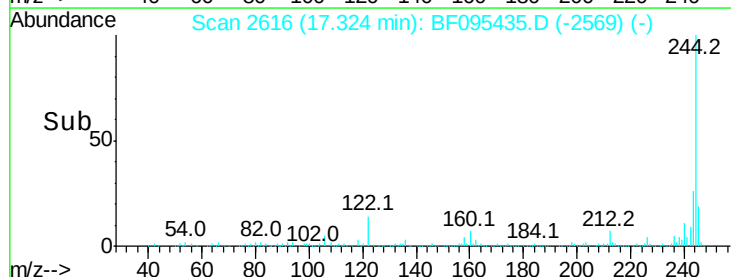
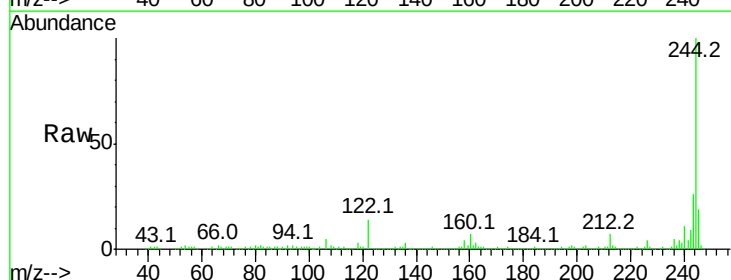
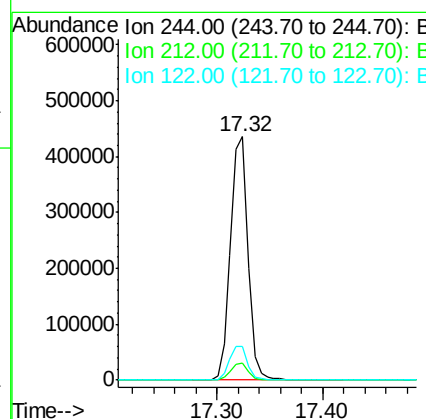
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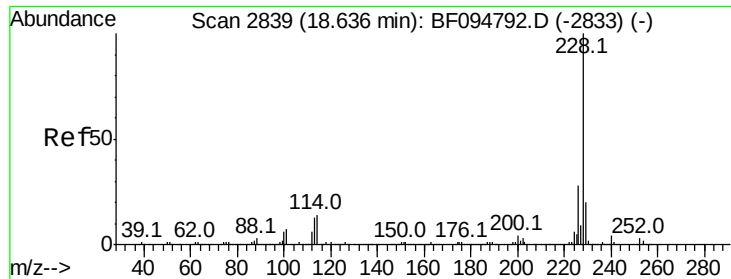
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#78
Terphenyl-d14
Concen: 57.24 ng
RT: 17.32 min Scan# 2616
Delta R.T. -0.02 min
Lab File: BF095435.D
Acq: 25 May 2017 21:28

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.2	6.0	9.0
122	13.8	10.3	15.5





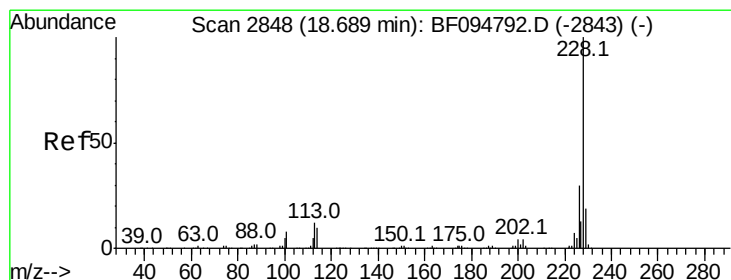
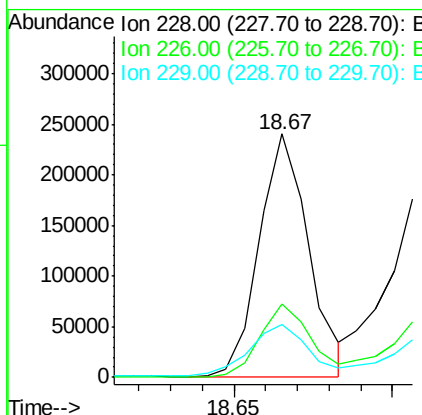
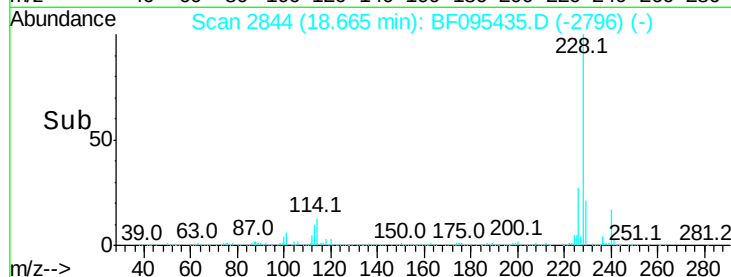
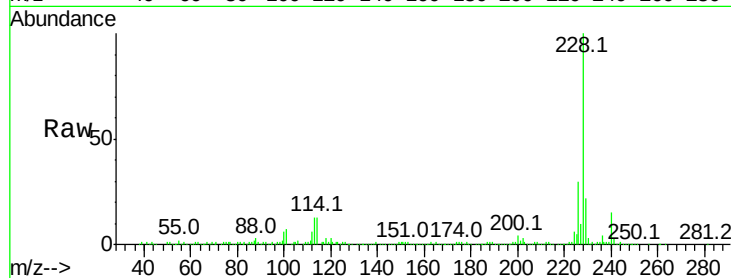
#80
Benzo(a)anthracene
Concen: 23.14 ng
RT: 18.67 min Scan# 2844
Delta R.T. -0.02 min
Lab File: BF095435.D
Acq: 25 May 2017 21:28

Instrument :
BNA_F
ClientSampleId :
POST-EX-35-20170517

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.6	33.8
229	21.6	16.3	24.5

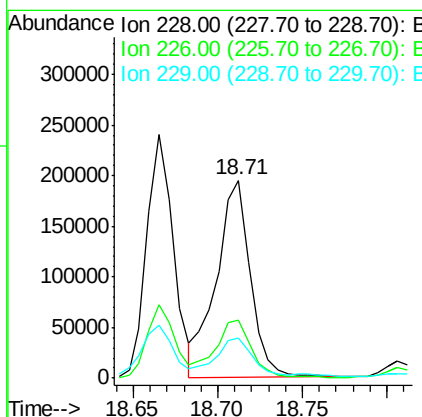
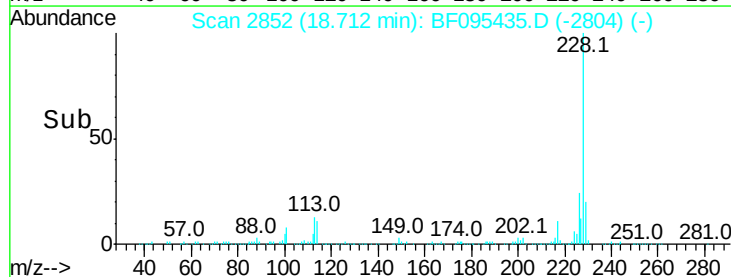
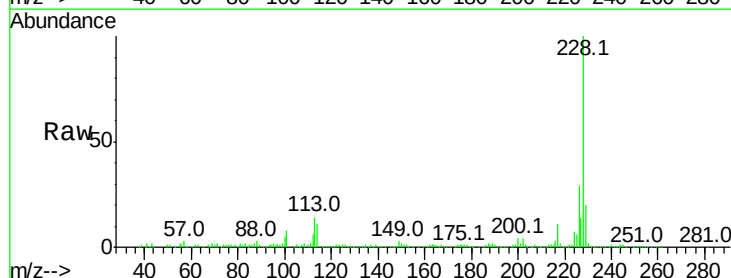
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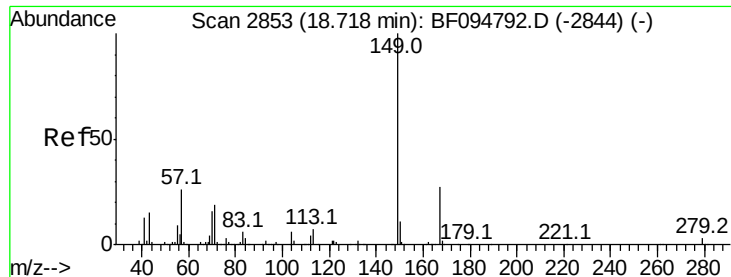
mohammad
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#82
Chrysene
Concen: 25.15 ng
RT: 18.71 min Scan# 2852
Delta R.T. -0.02 min
Lab File: BF095435.D
Acq: 25 May 2017 21:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	24.9	37.3
229	20.2	15.8	23.6





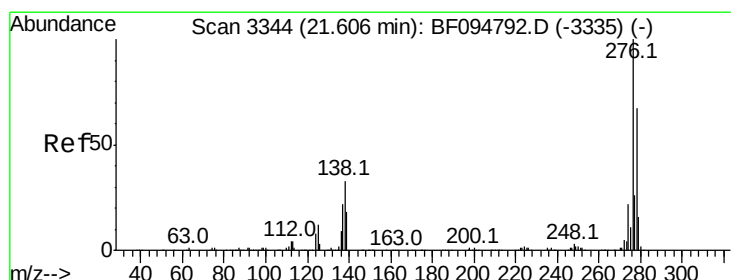
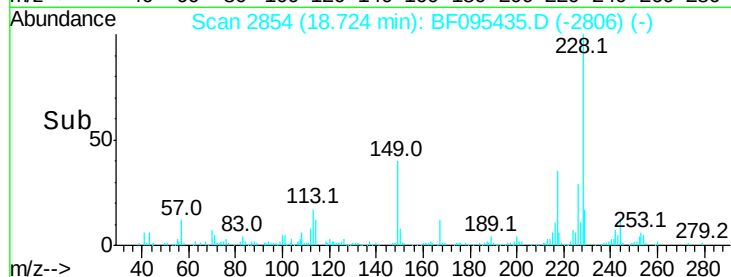
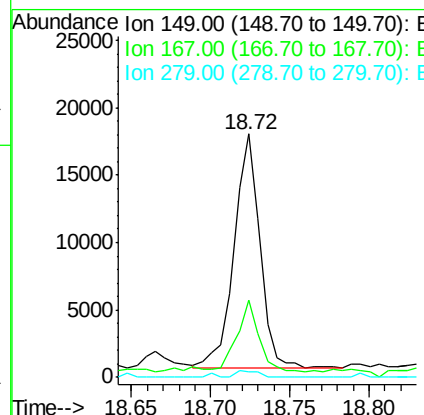
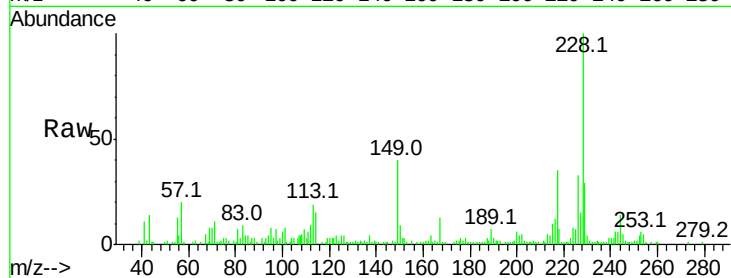
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.05 ng
 RT: 18.72 min Scan# 2854
 Delta R.T. -0.02 min
 Lab File: BF095435.D
 Acq: 25 May 2017 21:28

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-35-20170517

Tot Ion	Ratio	Lower	Upper
149	100		
167	31.6	21.0	31.4#
279	2.2	1.9	2.9

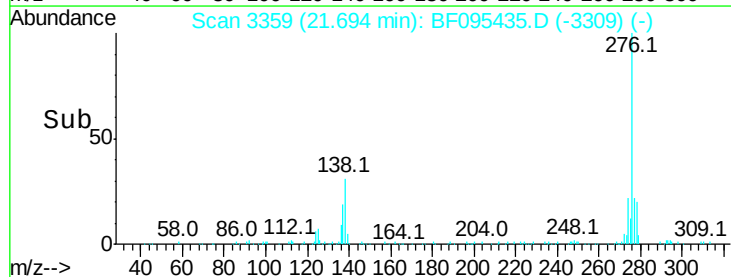
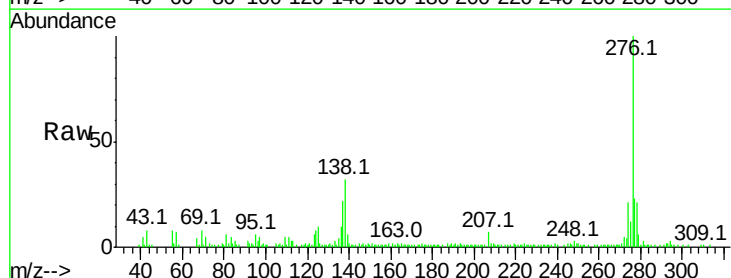
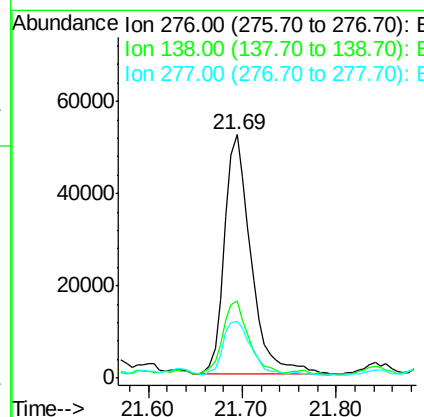
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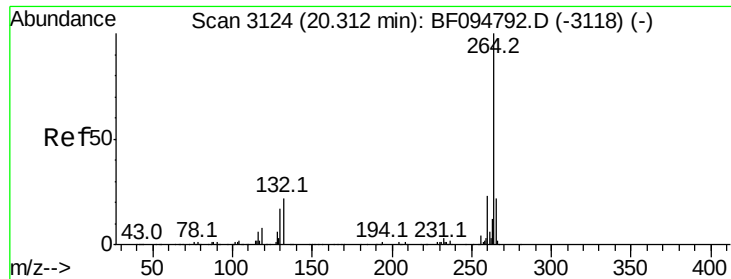
mohammad
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 11.66 ng
 RT: 21.69 min Scan# 3359
 Delta R.T. -0.01 min
 Lab File: BF095435.D
 Acq: 25 May 2017 21:28

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.8	27.8	41.6
277	23.5	20.2	30.4





#86

Pervlene-d12

Concen: 20.00 ng

RT: 20.36 min Scan# 3132

Delta R.T. -0.01 min

Lab File: BF095435.D

Acq: 25 May 2017 21:28

Instrument :

BNA_F

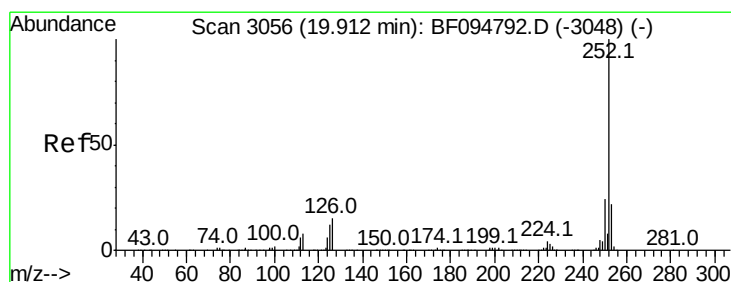
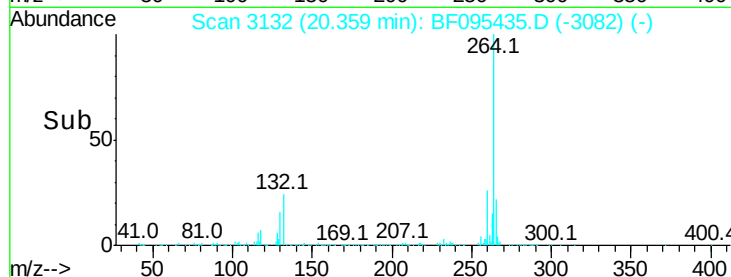
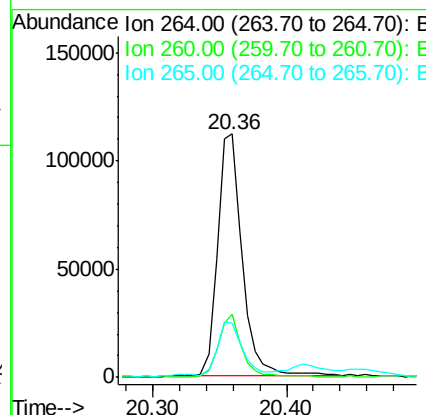
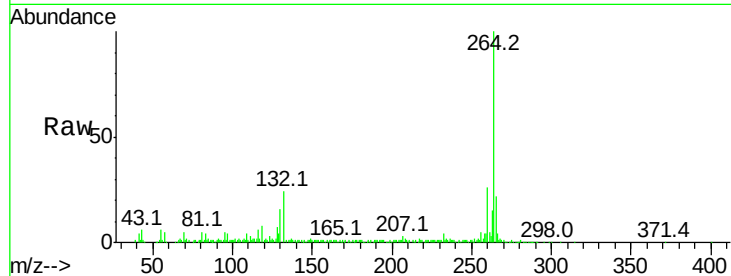
ClientSampleId :

POST-EX-35-20170517

Tot Ion:	264	Resp:	145906
Ion Ratio	Lower	Upper	
264	100		
260	25.9	19.5	29.3
265	22.4	17.2	25.8

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#87

Benzo(b)fluoranthene

Concen: 30.44 ng m

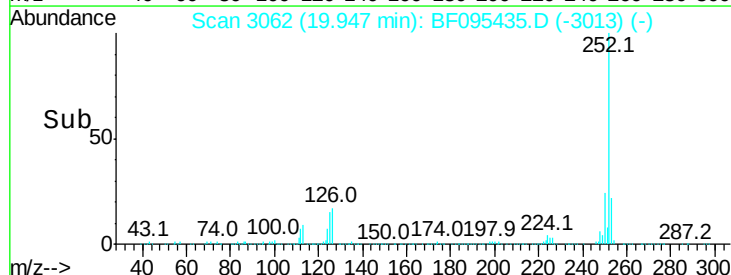
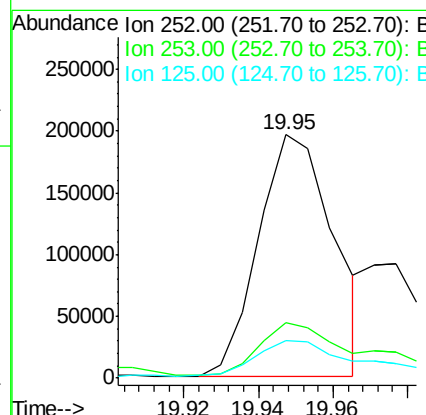
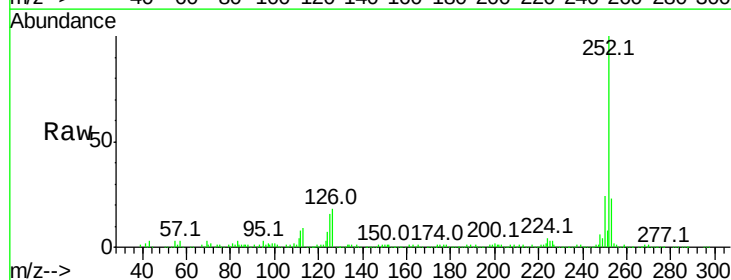
RT: 19.95 min Scan# 3062

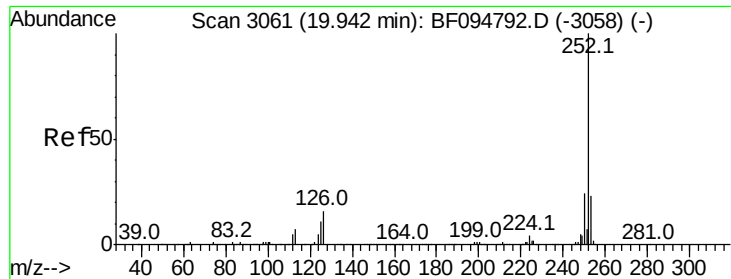
Delta R.T. -0.01 min

Lab File: BF095435.D

Acq: 25 May 2017 21:28

Tgt Ion:	252	Resp:	274434
Ion Ratio	Lower	Upper	
252	100		
253	22.7	18.1	27.1
125	15.5	9.8	14.8#





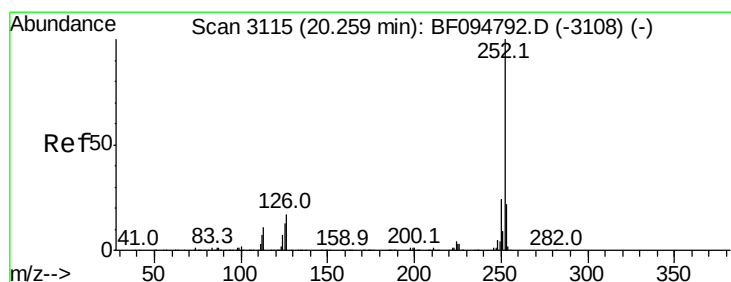
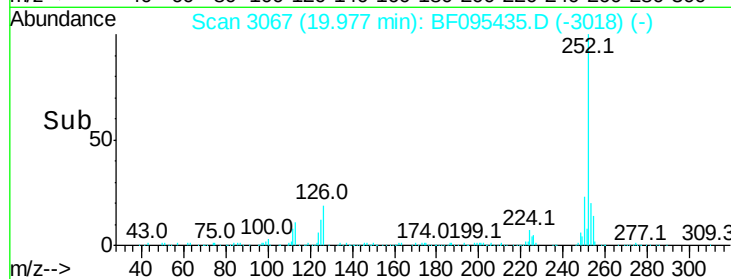
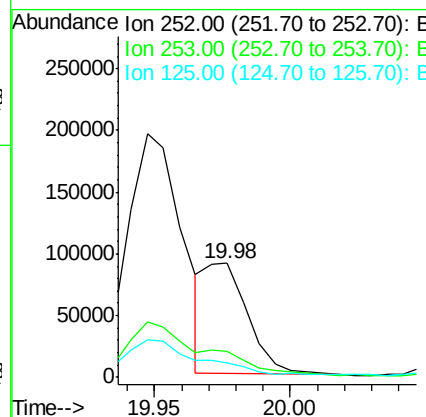
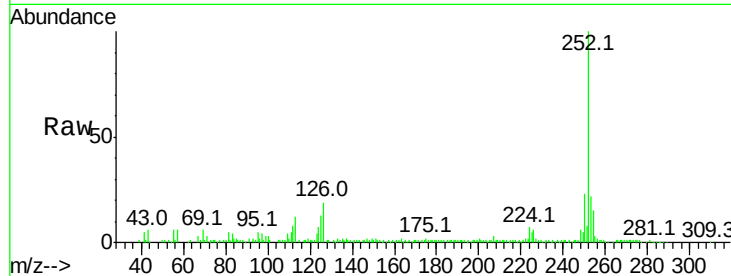
#88
Benzo(k)fluoranthene
Concen: 11.08 ng m
RT: 19.98 min Scan# 3067
Delta R.T. -0.01 min
Lab File: BF095435.D
Acq: 25 May 2017 21:28

Instrument :
BNA_F
ClientSampleId :
POST-EX-35-20170517

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.4	27.6
125	13.2	13.1	19.7

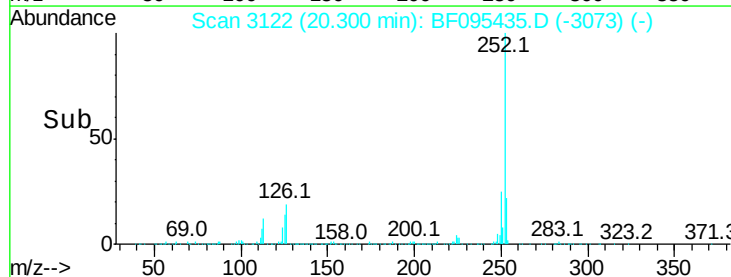
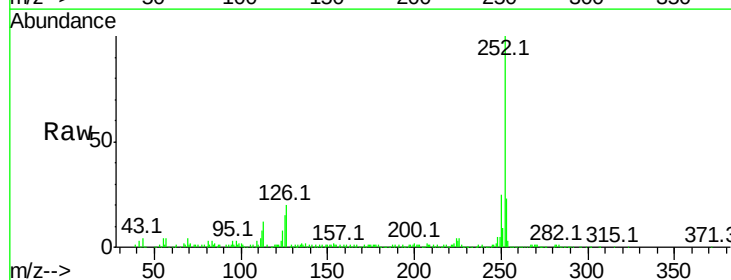
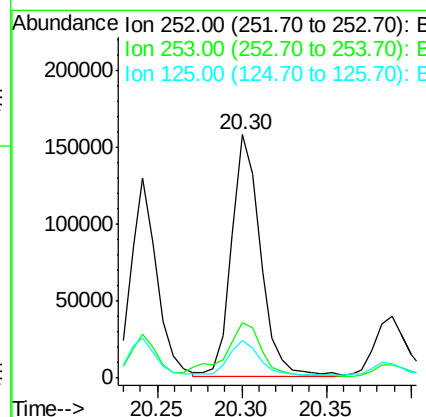
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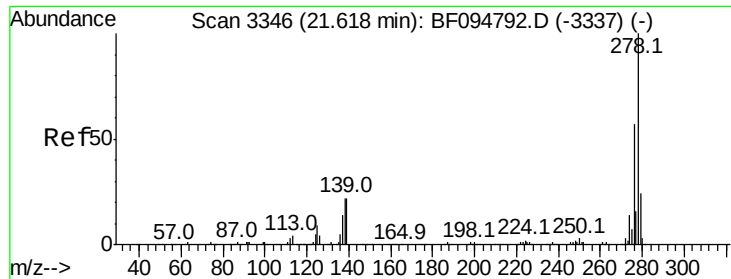
mohammad
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#89
Benzo(a)pyrene
Concen: 22.65 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BF095435.D
Acq: 25 May 2017 21:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	15.3	11.0	16.4





#90

Dibenzo(a,h)anthracene

Concen: 3.32 ng/mL

RT: 21.69 min Scan# 3358

Delta R.T. -0.01 min

Lab File: BF095435.D

Acq: 25 May 2017 21:28

Instrument :

BNA_F

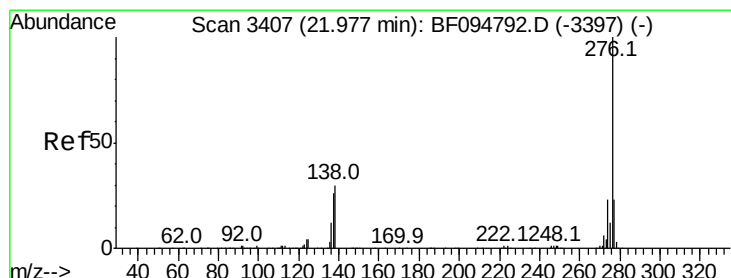
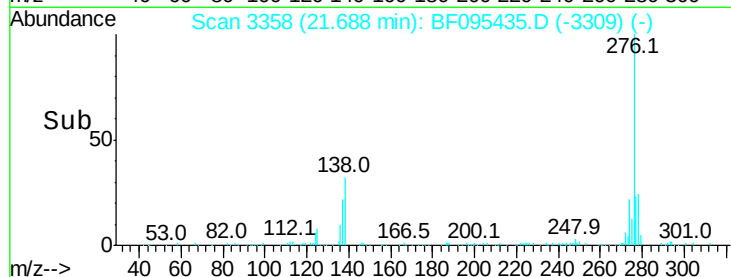
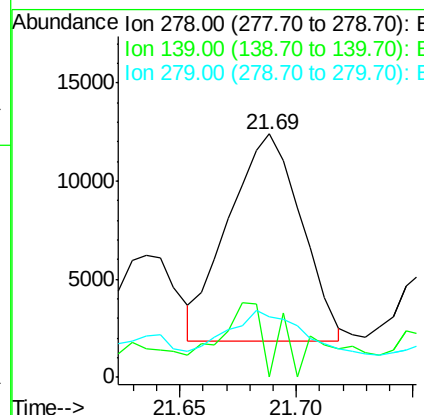
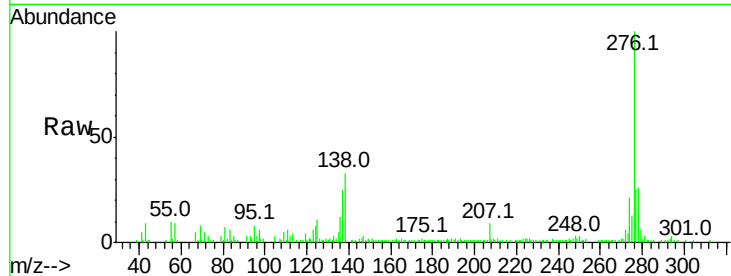
ClientSampleId :

POST-EX-35-20170517

Tot Ion:	278	Resp:	22837
Ion Ratio	Lower	Upper	
278	100		
139	0.0	16.6	24.8#
279	24.9	19.3	28.9

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#91

Benzo(g,h,i)perylene

Concen: 15.10 ng/mL

RT: 22.08 min Scan# 3425

Delta R.T. 0.00 min

Lab File: BF095435.D

Acq: 25 May 2017 21:28

Tgt Ion:	276	Resp:	101835
Ion Ratio	Lower	Upper	
276	100		
277	25.5	18.6	28.0
138	32.6	25.4	38.0

