

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
 Data File : BF095445.D
 Acq On : 26 May 2017 2:49
 Operator : SJ/MA
 Sample : I3200-11 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-41-20170517

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Quant Time: May 26 04:53:04 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	96997	20.00	ng	-0.02
21) Naphthalene-d8	9.77	136	394112	20.00	ng	-0.01
38) Acenaphthene-d10	12.60	164	168069	20.00	ng	-0.02
63) Phenanthrene-d10	15.01	188	248194	20.00	ng	-0.02
75) Chrysene-d12	18.68	240	195004	20.00	ng	-0.02
86) Perylene-d12	20.36	264	139275	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.75	112	110233	18.95	ng	0.01
7) Phenol-d6	7.34	99	158533	22.71	ng	0.02
23) Nitrobenzene-d5	8.67	82	72149	11.54	ng	0.00
41) 2,4,6-Tribromophenol	13.92	330	25101	18.24	ng	0.00
44) 2-Fluorobiphenyl	11.55	172	197772	16.94	ng	-0.01
78) Terphenyl-d14	17.32	244	121650	13.74	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	12.25	163	44939	3.26	ng	# 99
70) Phenanthrene	15.04	178	144913	10.16	ng	96
71) Anthracene	15.14	178	30715m	2.11	ng	
74) Fluoranthene	16.79	202	241721	16.52	ng	100
77) Pyrene	17.09	202	264661	18.15	ng	97
80) Benzo(a)anthracene	18.67	228	108728	9.58	ng	97
82) Chrysene	18.71	228	119439	10.88	ng	98
85) Indeno(1,2,3-cd)pyrene	21.71	276	29918	3.36	ng	95
87) Benzo(b)fluoranthene	19.95	252	79781m	9.27	ng	
88) Benzo(k)fluoranthene	19.98	252	27922m	3.36	ng	
89) Benzo(a)pyrene	20.31	252	62752	7.90	ng	99
91) Benzo(a,h,i)perylene	22.09	276	34634	5.38	ng	# 95

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

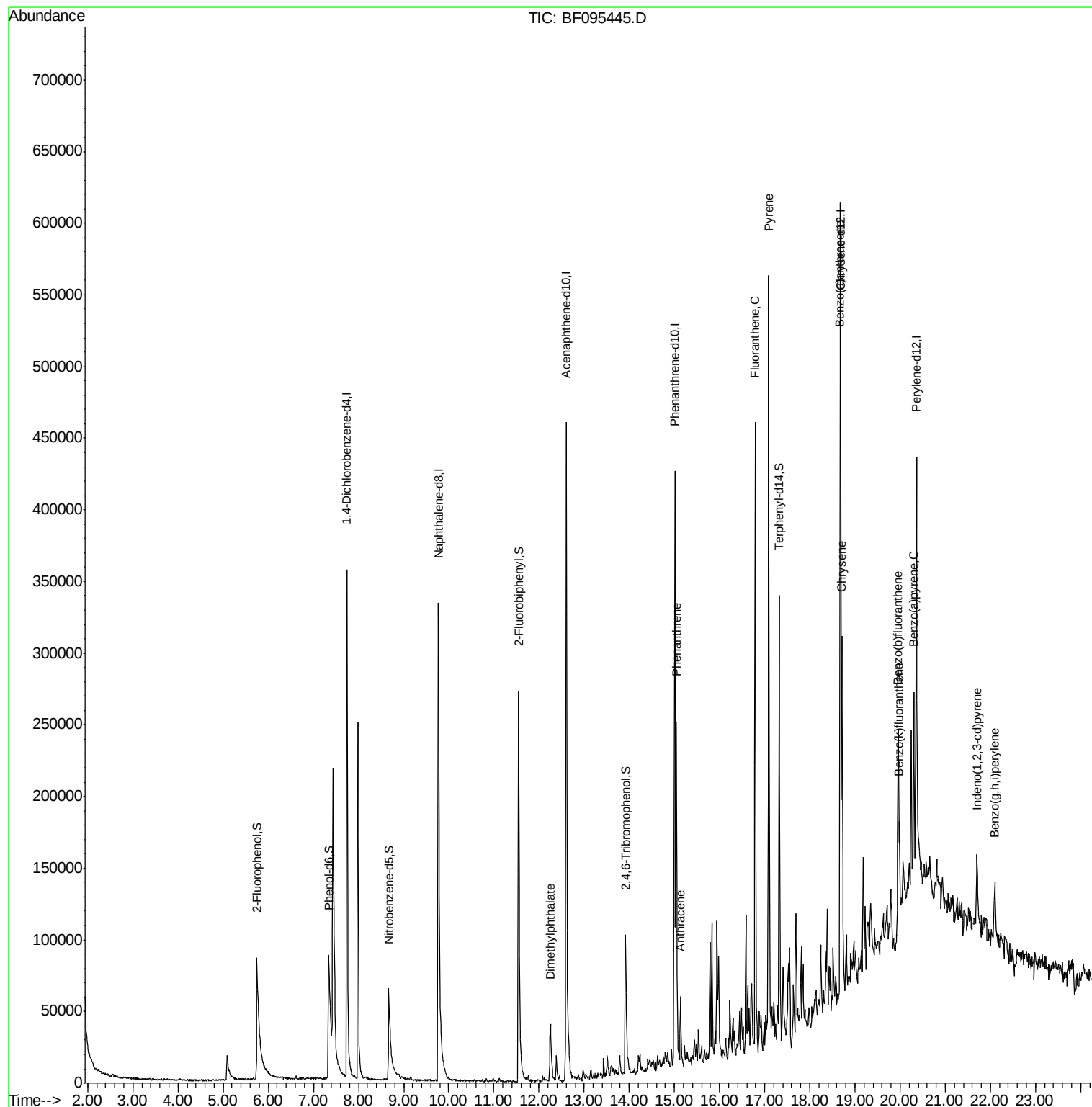
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
Data File : BF095445.D
Acq On : 26 May 2017 2:49
Operator : SJ/MA
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#1

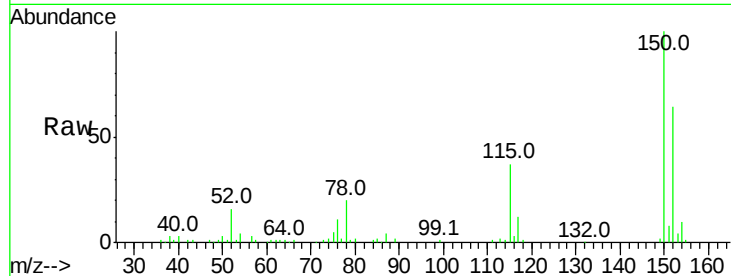
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.75 min Scan# 988
Delta R.T. -0.02 min
Lab File: BF095445.D
Acq: 26 May 2017 2:49

Instrument :
BNA_F
ClientSampleId :
POST-EX-41-20170517

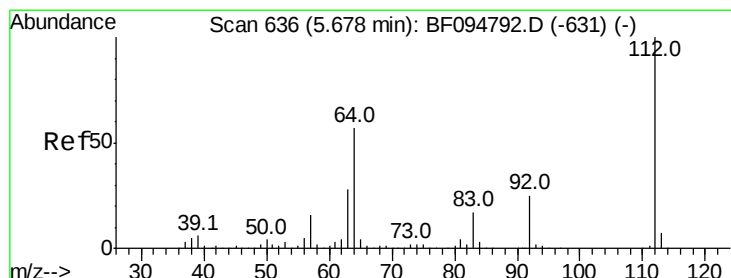
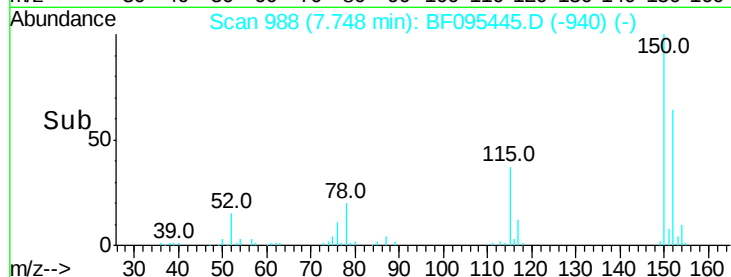
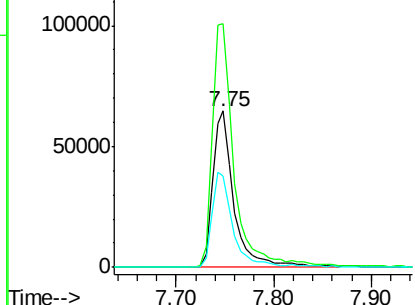
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	126.2	189.2
115	58.4	52.2	78.2

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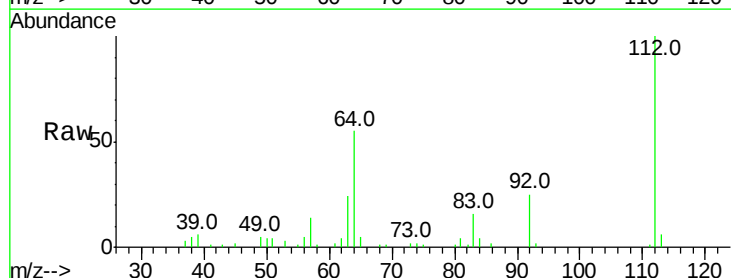
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



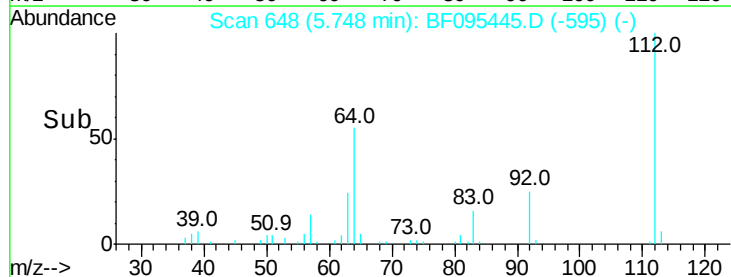
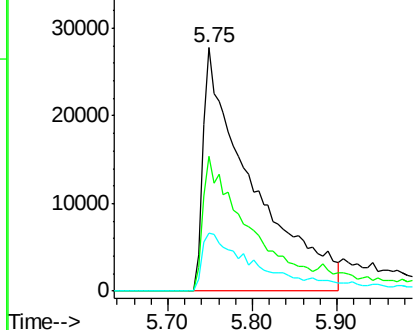
#5

2-Fluorophenol
Concen: 18.95 ng
RT: 5.75 min Scan# 648
Delta R.T. 0.01 min
Lab File: BF095445.D
Acq: 26 May 2017 2:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.4	46.0	69.0
63	23.8	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: 22.71 ng

RT: 7.34 min Scan# 918

Delta R.T. 0.02 min

Lab File: BF095445.D

Acq: 26 May 2017 2:49

Instrument :

BNA_F

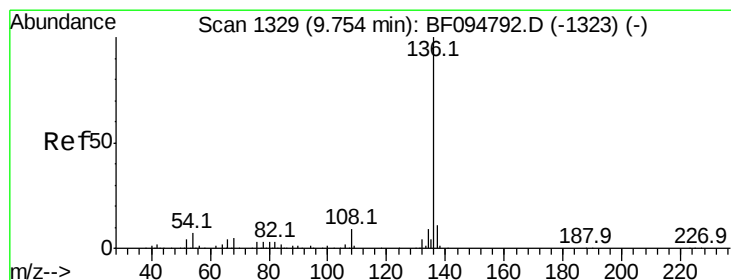
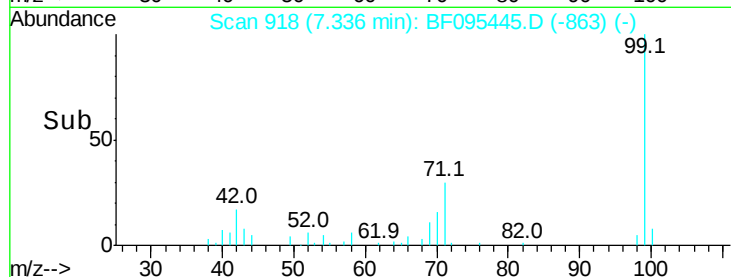
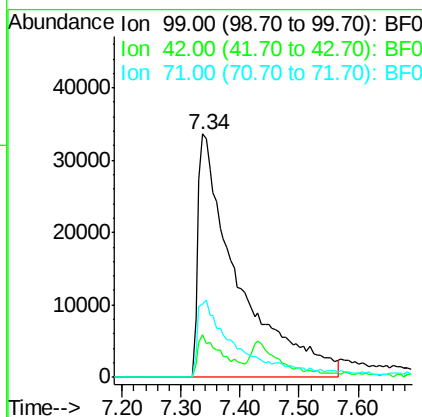
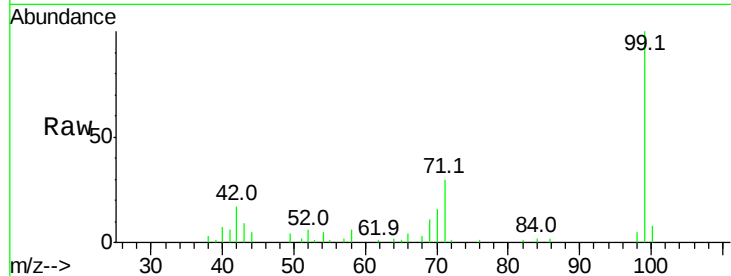
ClientSampleId :

POST-EX-41-20170517

Tot Ion:	99	Resp:	158533
Ion Ratio	Lower	Upper	
99	100		
42	17.5	13.5	20.3
71	29.9	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

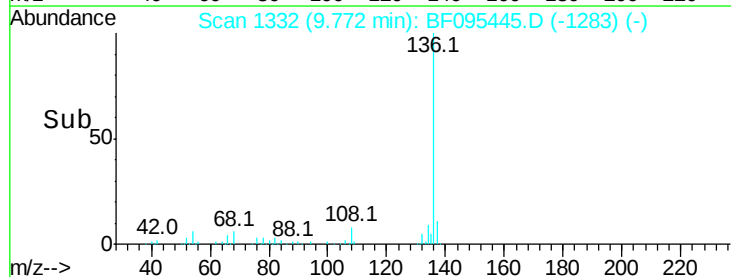
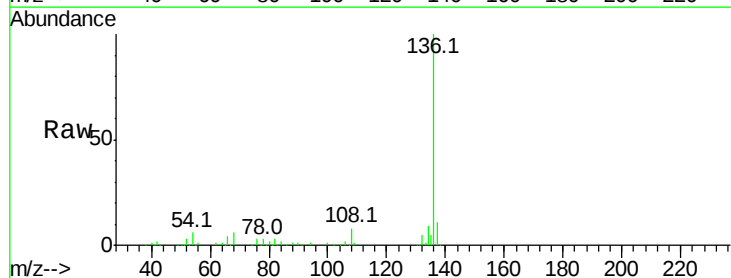
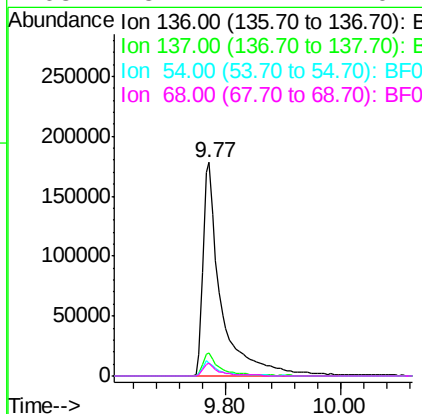
RT: 9.77 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF095445.D

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Tgt Ion:	136	Resp:	394112
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.5	12.7
54	6.0	4.9	7.3
68	5.7	4.1	6.1





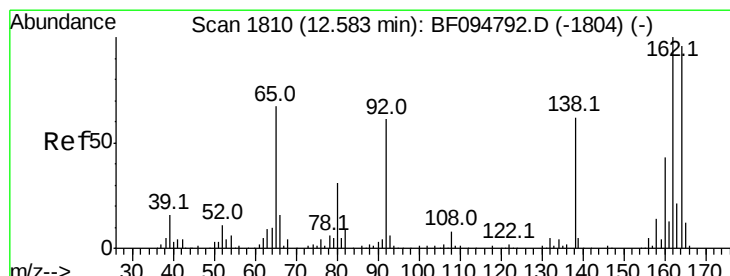
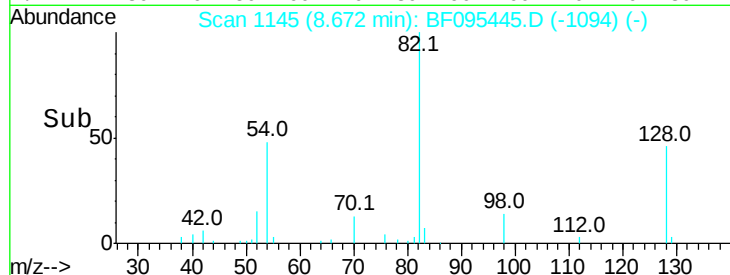
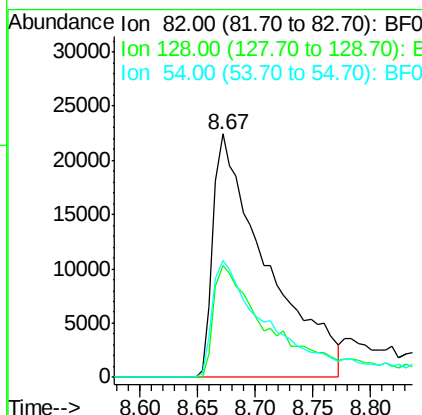
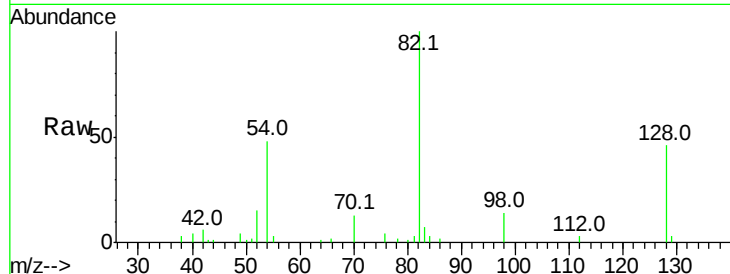
#23
 Nitrobenzene-d5
 Concen: 11.54 ng
 RT: 8.67 min Scan# 1145
 Delta R.T. 0.00 min
 Lab File: BF095445.D
 Acq: 26 May 2017 2:49

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	82	Resp	72149
Ion	Ratio	Lower	Upper
82	100		
128	45.8	34.0	51.0
54	47.9	42.2	63.2

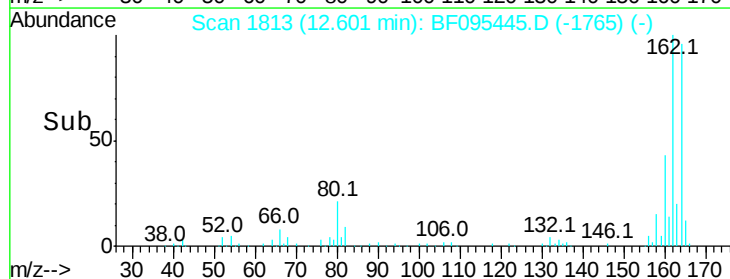
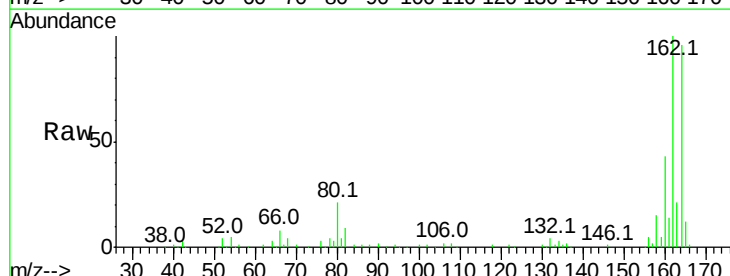
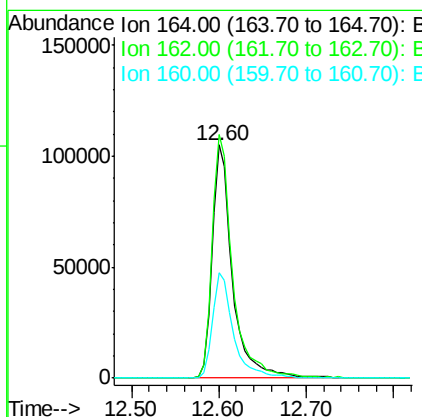
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.60 min Scan# 1813
 Delta R.T. -0.02 min
 Lab File: BF095445.D
 Acq: 26 May 2017 2:49

Tgt Ion	164	Resp	168069
Ion	Ratio	Lower	Upper
164	100		
162	104.3	82.6	123.8
160	45.0	36.2	54.2





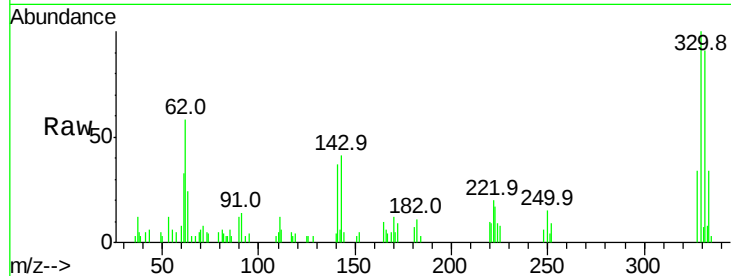
#41
 2,4,6-Tribromophenol
 Concen: 18.24 ng
 RT: 13.92 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: BF095445.D
 Acq: 26 May 2017 2:49

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-41-20170517

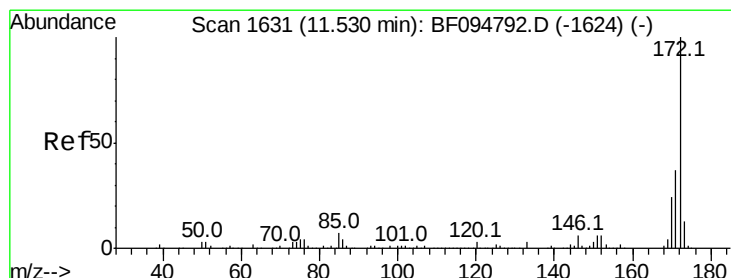
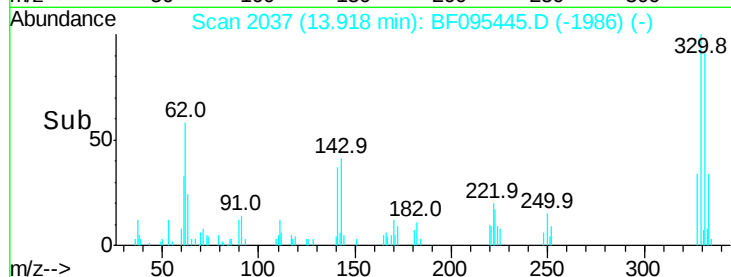
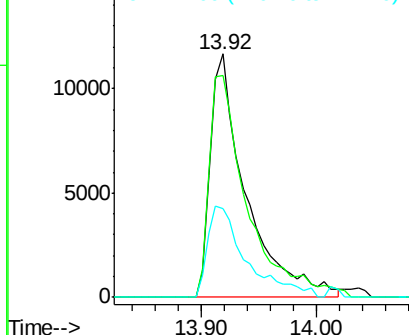
Tot Ion	Ratio	Resp	Lower	Upper
330	100	25101		
332	97.2	76.6	115.0	
141	40.7	31.4	47.2	

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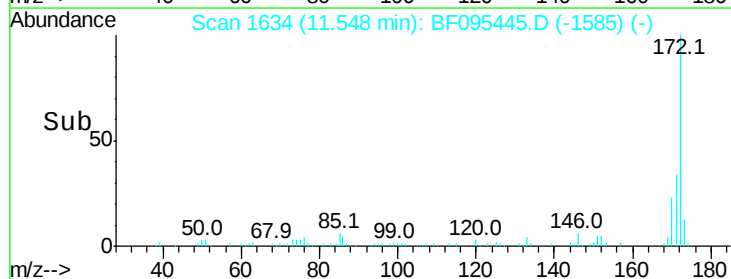
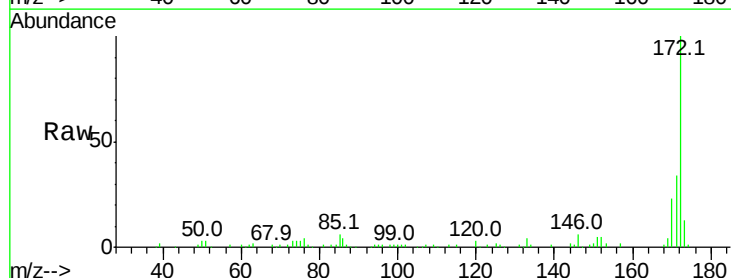
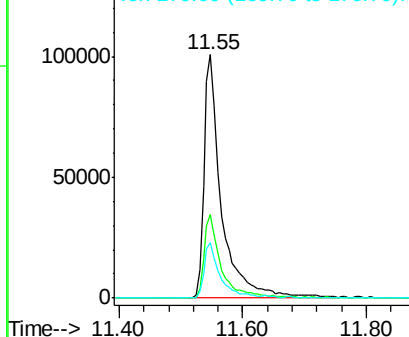
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 16.94 ng
 RT: 11.55 min Scan# 1634
 Delta R.T. -0.01 min
 Lab File: BF095445.D
 Acq: 26 May 2017 2:49

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	197772		
171	34.4	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





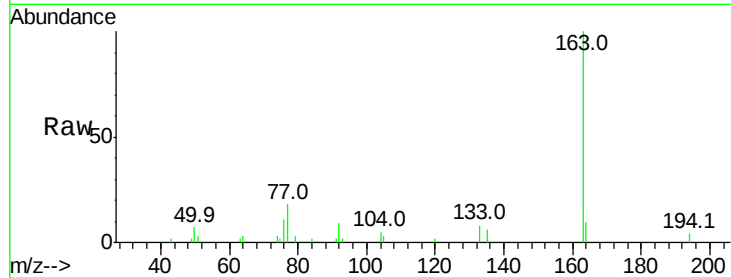
#49
Dimethylphthalate
Concen: 3.26 ng
RT: 12.25 min Scan# 1753
Delta R.T. -0.01 min
Lab File: BF095445.D
Acq: 26 May 2017 2:49

Instrument :
BNA_F
ClientSampleId :
POST-EX-41-20170517

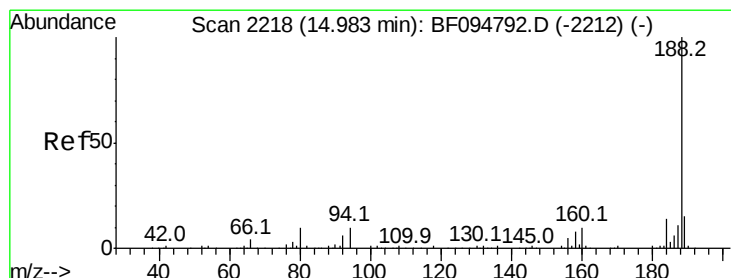
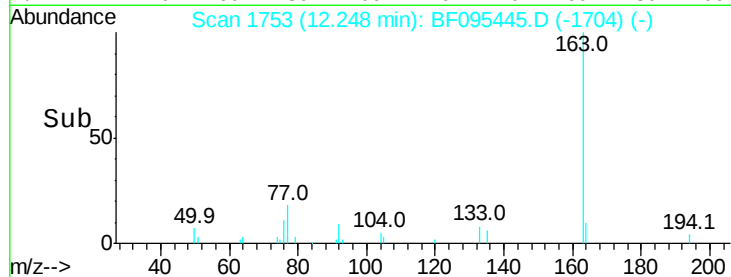
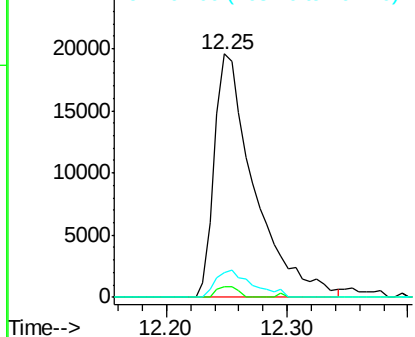
Tot Ion	Ratio	Resp	Lower	Upper
163	100	44939		
194	4.2	2.6	4.0	
164	10.4	8.4	12.6	

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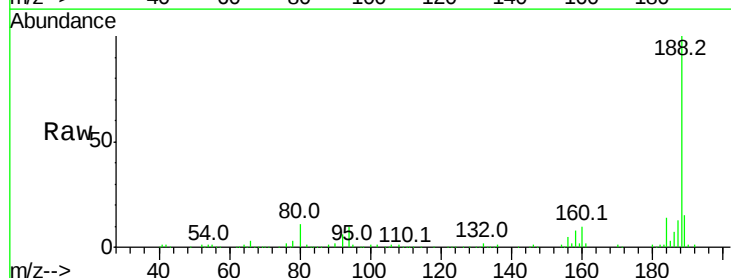


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

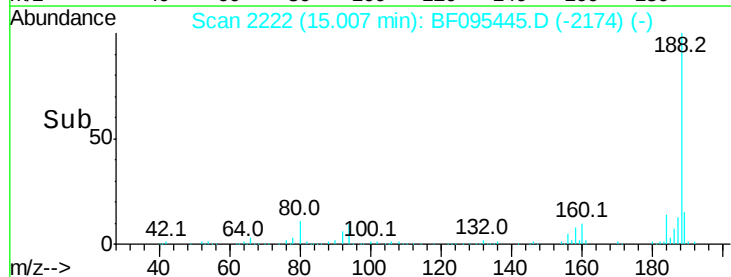
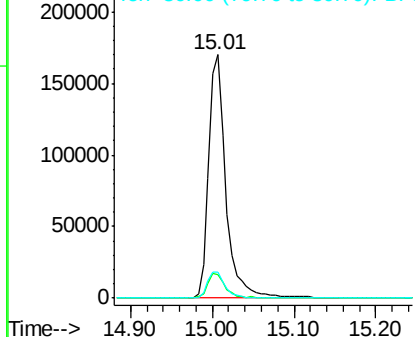


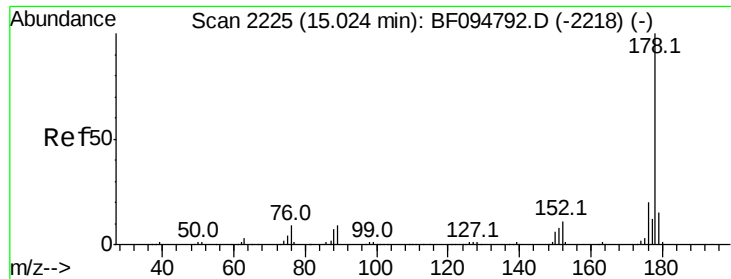
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 15.01 min Scan# 2222
Delta R.T. -0.02 min
Lab File: BF095445.D
Acq: 26 May 2017 2:49

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	248194		
94	9.8	9.4	14.2	
80	10.8	10.2	15.2	



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





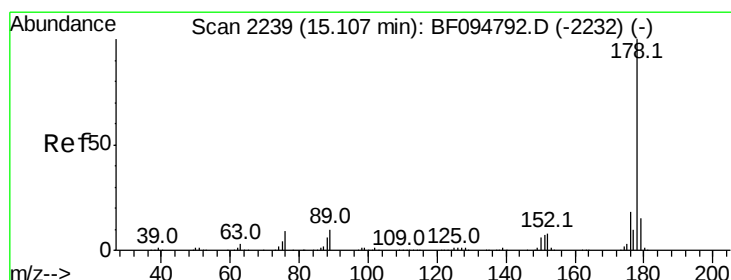
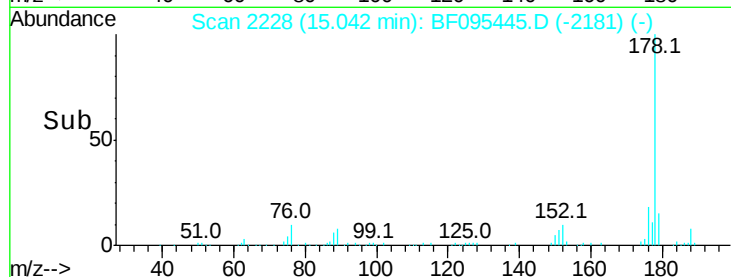
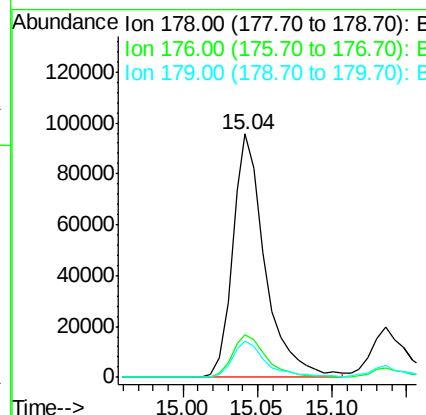
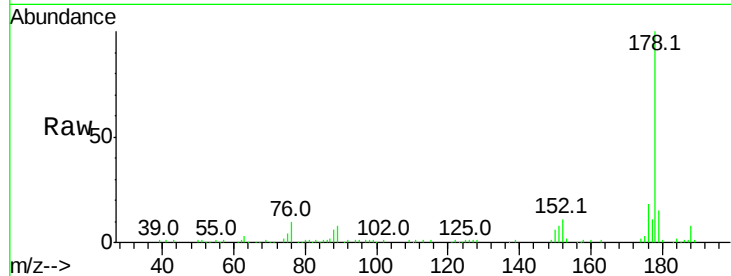
#70
Phenanthrene
Concen: 10.16 ng
RT: 15.04 min Scan# 2228
Delta R.T. -0.02 min
Lab File: BF095445.D
Acq: 26 May 2017 2:49

Instrument :
BNA_F
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Tot Ion	Ratio	Lower	Upper
178	100		
176	17.7	16.2	24.4
179	14.7	12.6	19.0

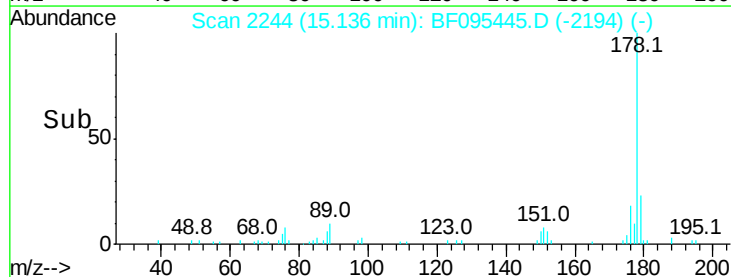
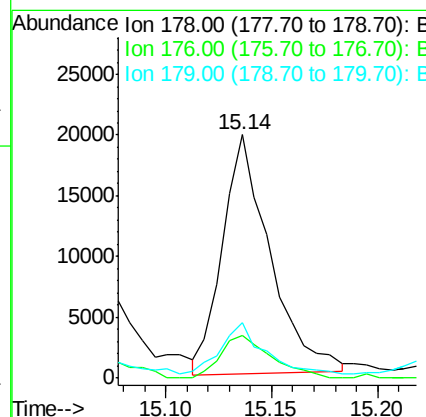
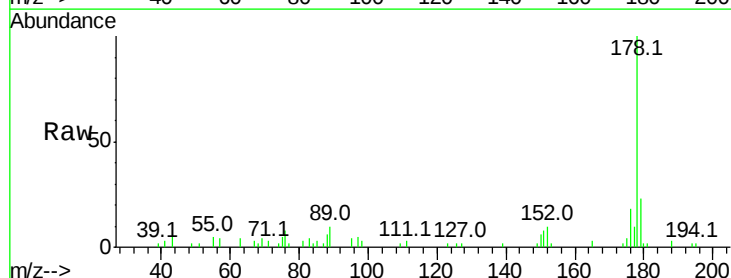
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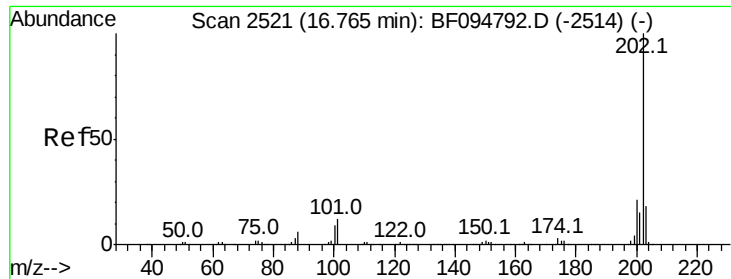
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#71
Anthracene
Concen: 2.11 ng m
RT: 15.14 min Scan# 2244
Delta R.T. -0.01 min
Lab File: BF095445.D
Acq: 26 May 2017 2:49

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.8	23.8
179	22.9	12.7	19.1#





#74

Fluoranthene

Concen: 16.52 ng

RT: 16.79 min Scan# 2525

Delta R.T. -0.01 min

Lab File: BF095445.D

Acq: 26 May 2017 2:49

Instrument :

BNA_F

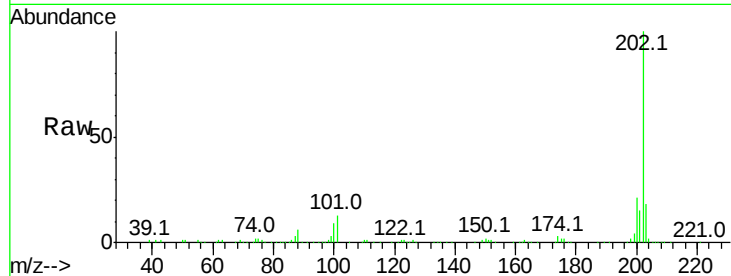
ClientSampleId :

POST-EX-41-20170517

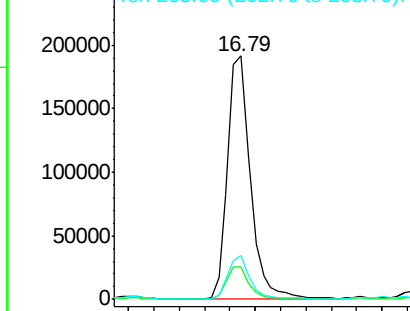
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		241721		
101	13.2	0.0	33.2		
203	18.1	0.0	38.1		

Manual Integrations
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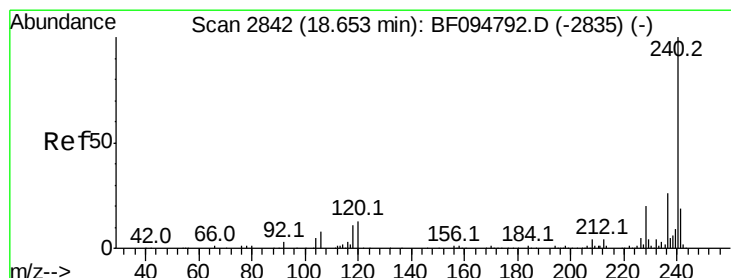
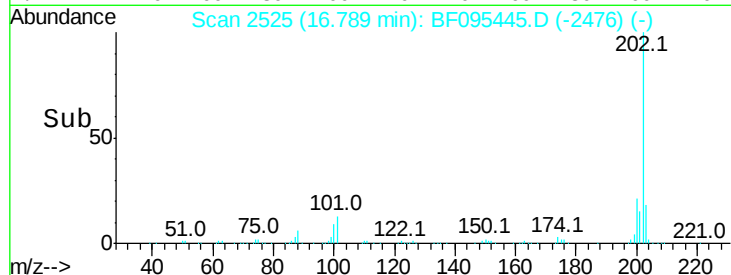
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time--> 16.70 16.80 16.90



#75

Chrysene-d12

Concen: 20.00 ng

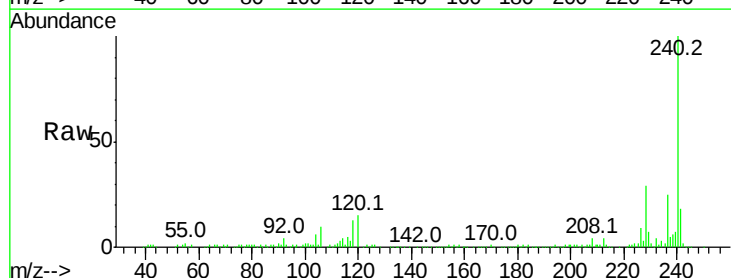
RT: 18.68 min Scan# 2846

Delta R.T. -0.02 min

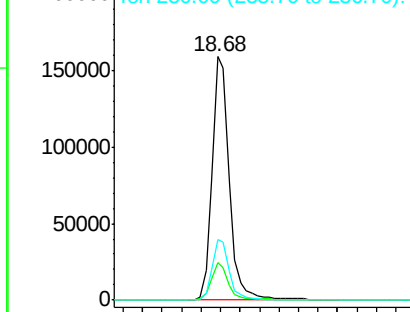
Lab File: BF095445.D

Acq: 26 May 2017 2:49

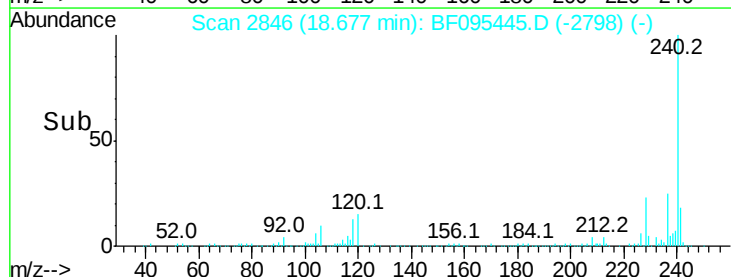
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		195004		
120	15.5	5.8	8.8#		
236	24.7	20.5	30.7		

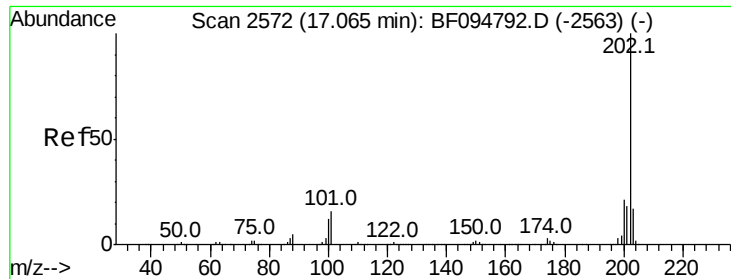


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time--> 18.60 18.70 18.80





#77

Pvrene

Concen: 18.15 ng

RT: 17.09 min Scan# 2576

Delta R.T. -0.02 min

Lab File: BF095445.D

Acq: 26 May 2017 2:49

Instrument :

BNA_F

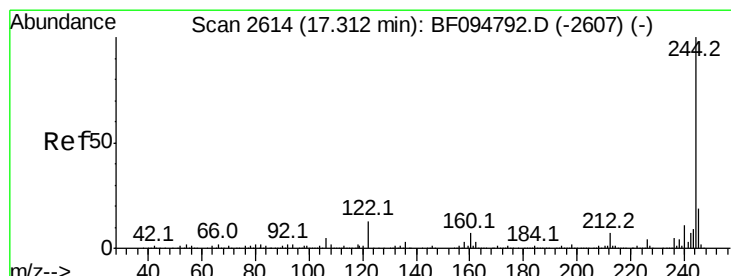
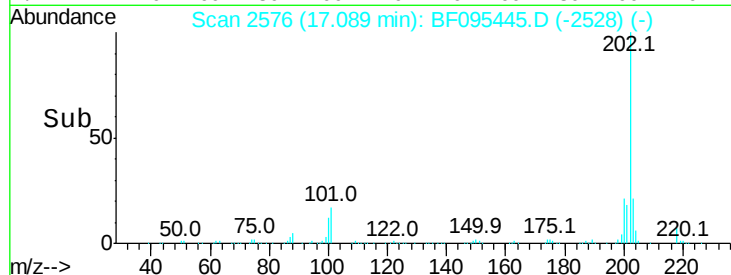
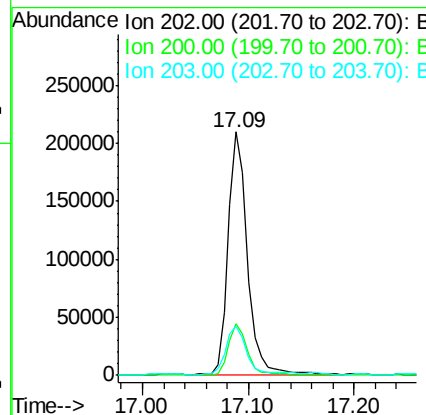
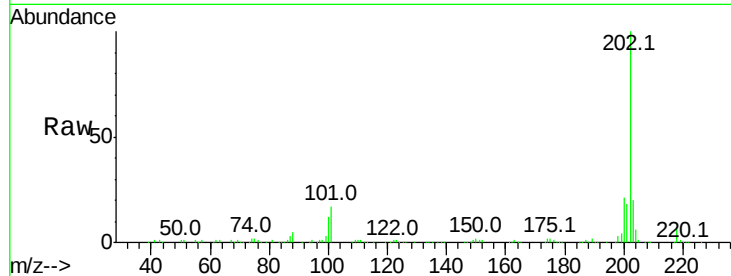
ClientSampleId :

POST-EX-41-20170517

Tot Ion:	202	Resp:	264661
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.6	26.4
203	20.2	14.4	21.6

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#78

Terphenyl-d14

Concen: 13.74 ng

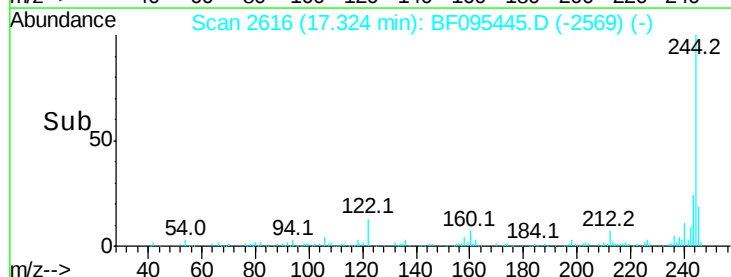
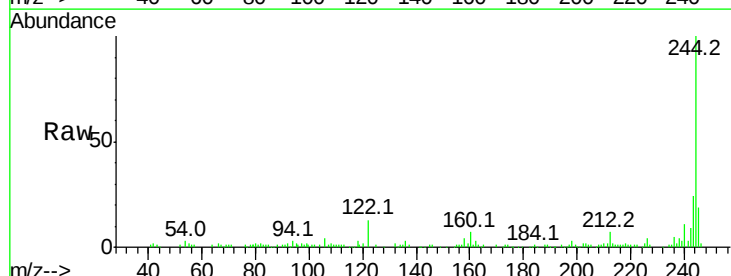
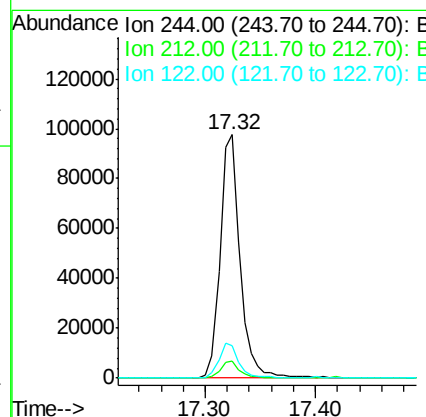
RT: 17.32 min Scan# 2616

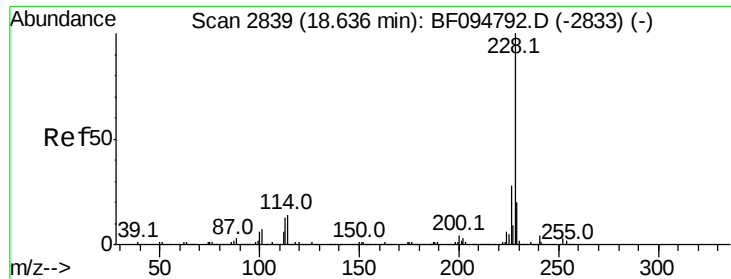
Delta R.T. -0.02 min

Lab File: BF095445.D

Acq: 26 May 2017 2:49

Tgt Ion:	244	Resp:	121650
Ion Ratio	Lower	Upper	
244	100		
212	7.1	6.0	9.0
122	13.4	10.3	15.5





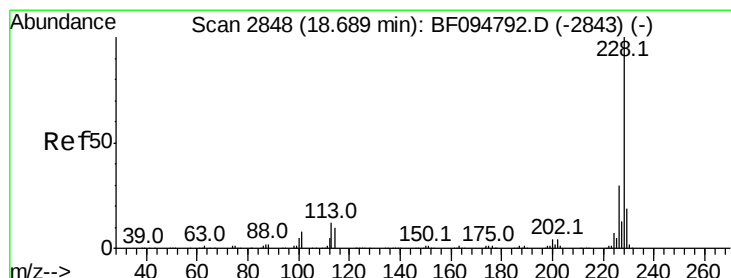
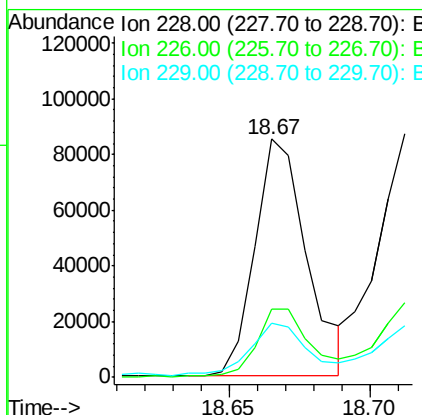
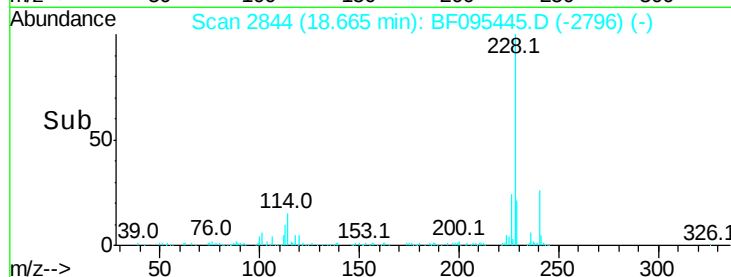
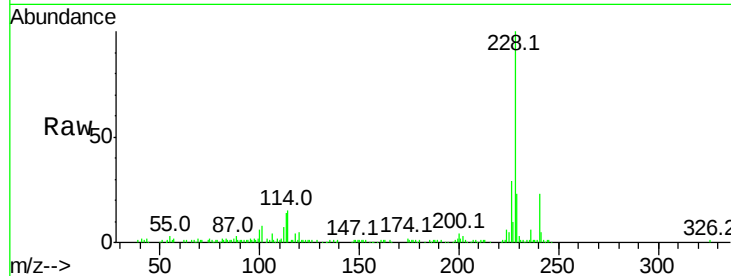
#80
Benzo(a)anthracene
Concen: 9.58 ng
RT: 18.67 min Scan# 2844
Delta R.T. -0.02 min
Lab File: BF095445.D
Acq: 26 May 2017 2:49

Instrument :
BNA_F
ClientSampleId :
POST-EX-41-20170517

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	33.8
229	22.8	16.3	24.5

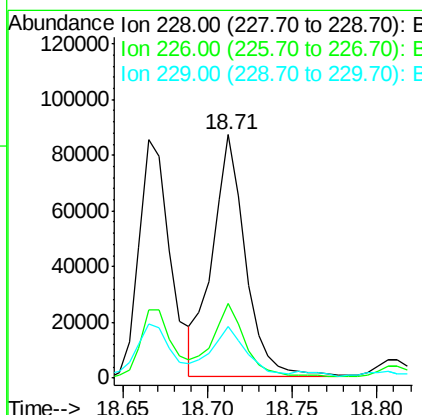
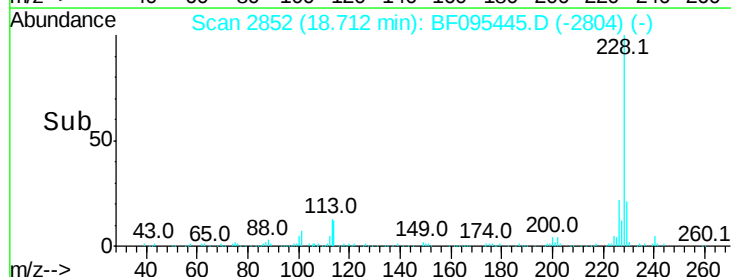
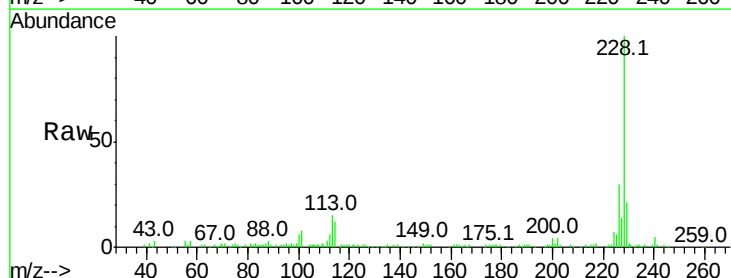
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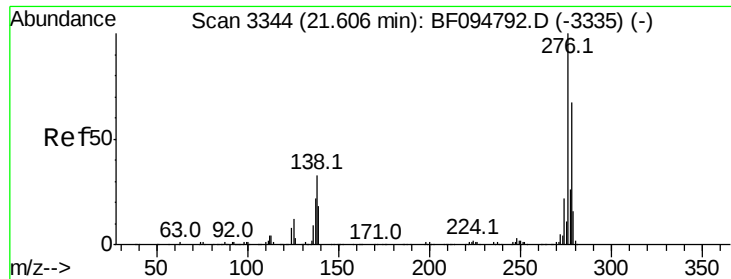
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#82
Chrysene
Concen: 10.88 ng
RT: 18.71 min Scan# 2852
Delta R.T. -0.02 min
Lab File: BF095445.D
Acq: 26 May 2017 2:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.9	37.3
229	21.0	15.8	23.6





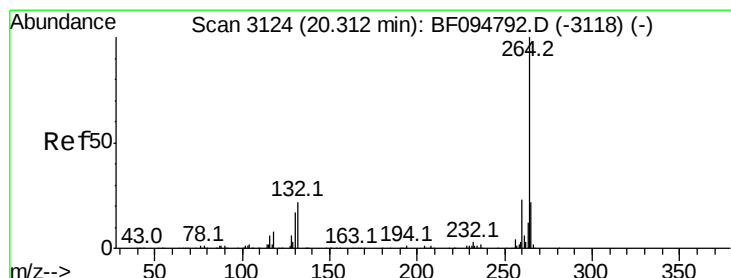
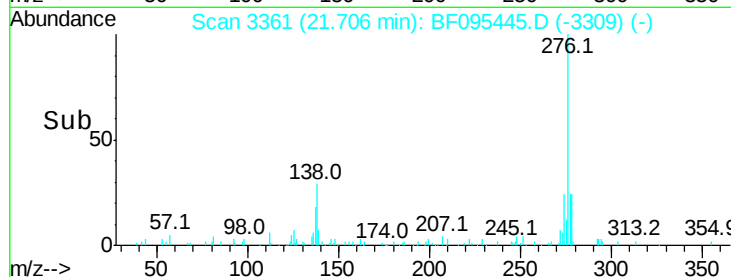
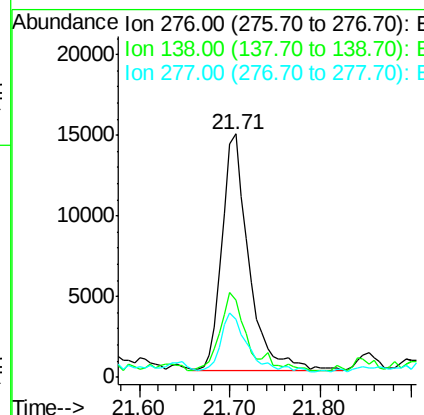
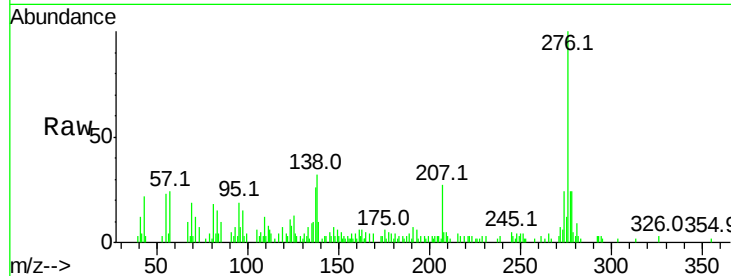
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.36 ng
RT: 21.71 min Scan# 3361
Delta R.T. 0.01 min
Lab File: BF095445.D
Acq: 26 May 2017 2:49

Instrument :
BNA_F
ClientSampleId :
POST-EX-41-20170517

Tot Ion	Ratio	Lower	Upper
276	100		
138	32.7	27.8	41.6
277	21.7	20.2	30.4

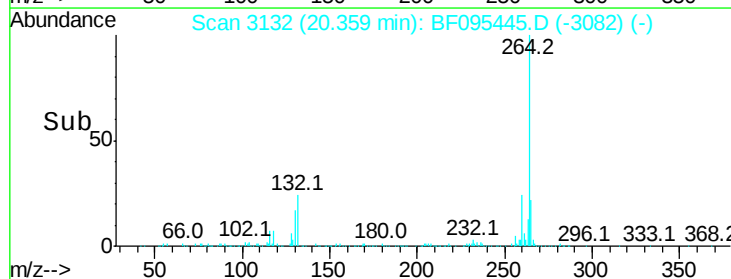
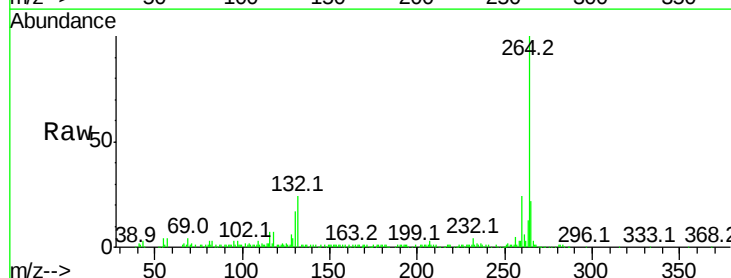
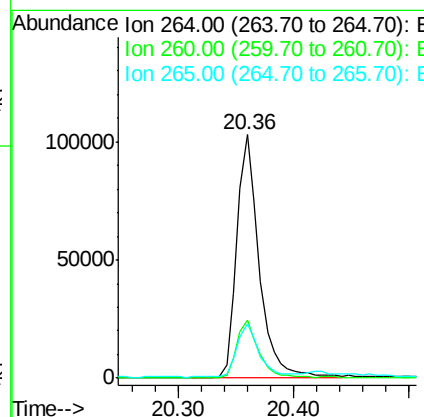
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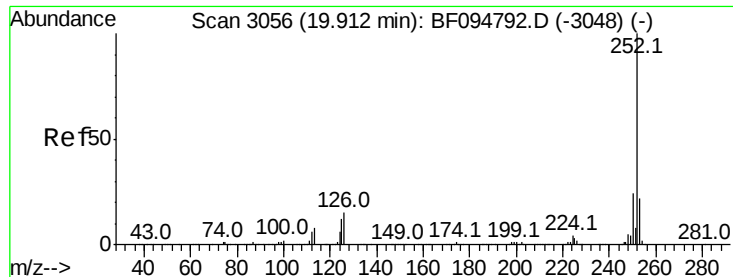
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#86
Perylene-d12
Concen: 20.00 ng
RT: 20.36 min Scan# 3132
Delta R.T. -0.01 min
Lab File: BF095445.D
Acq: 26 May 2017 2:49

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	22.0	17.2	25.8





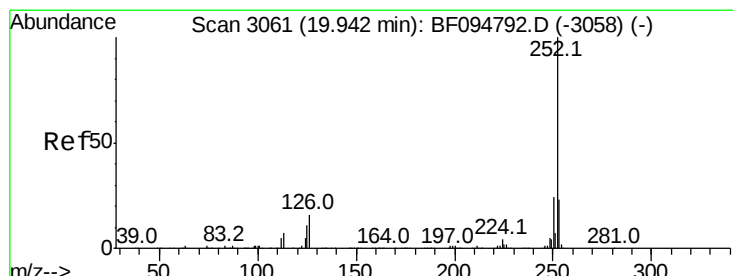
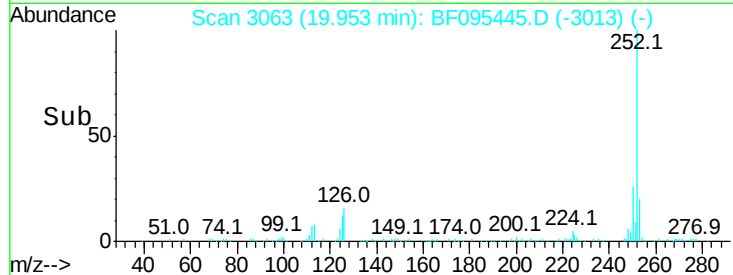
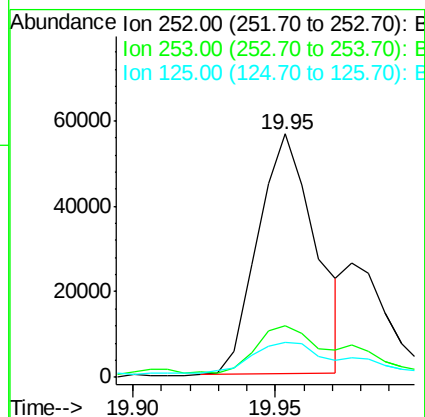
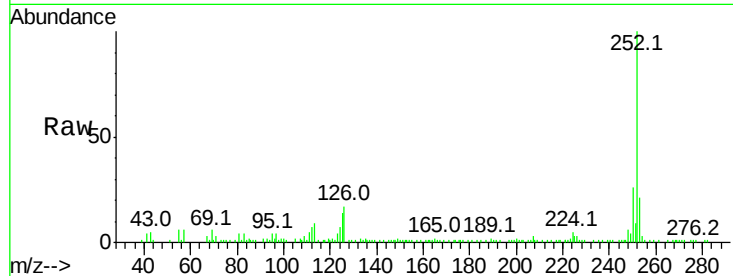
#87
Benzo(b)fluoranthene
Concen: 9.27 ng m
RT: 19.95 min Scan# 3063
Delta R.T. -0.01 min
Lab File: BF095445.D
Acq: 26 May 2017 2:49

Instrument :
BNA_F
ClientSampleId :
POST-EX-41-20170517

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.0	18.1	27.1
125	14.4	9.8	14.8

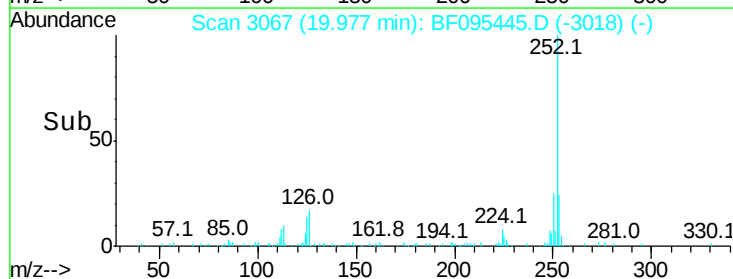
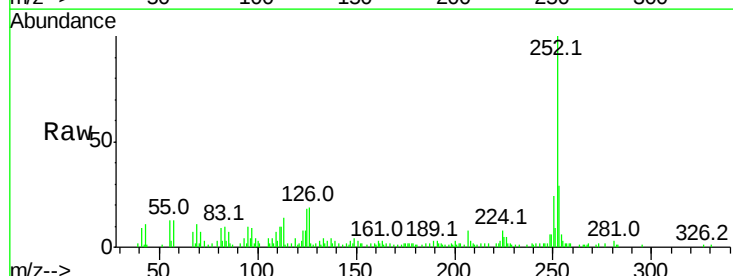
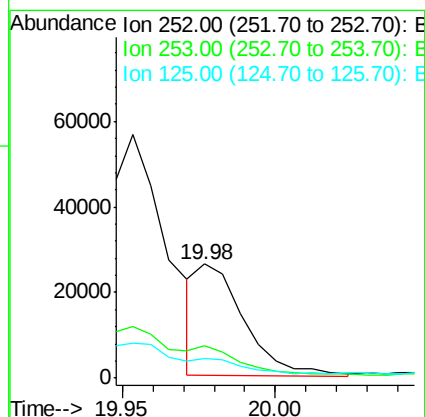
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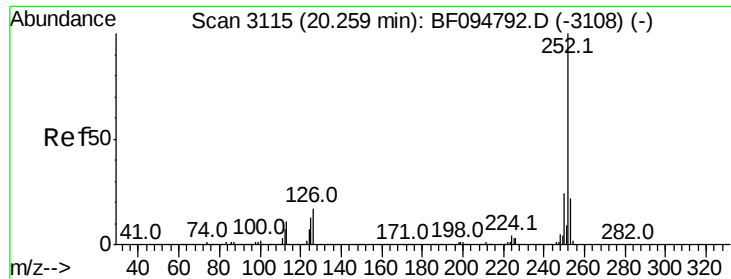
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#88
Benzo(k)fluoranthene
Concen: 3.36 ng m
RT: 19.98 min Scan# 3067
Delta R.T. -0.01 min
Lab File: BF095445.D
Acq: 26 May 2017 2:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.0	18.4	27.6#
125	17.8	13.1	19.7





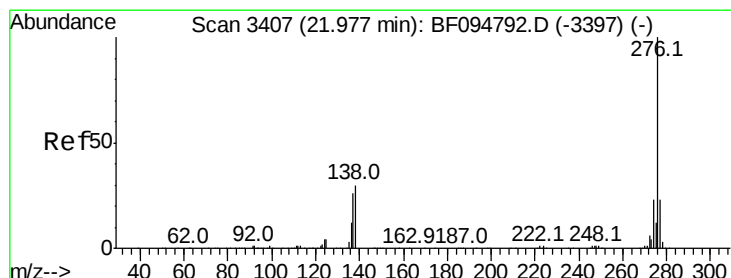
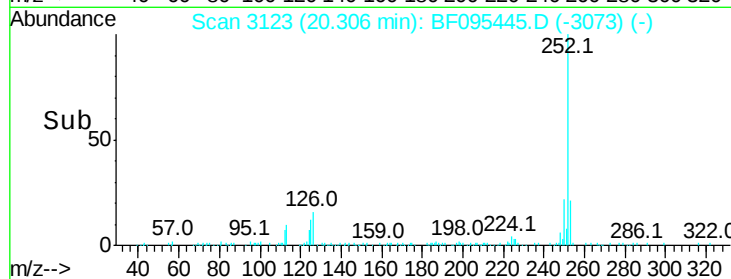
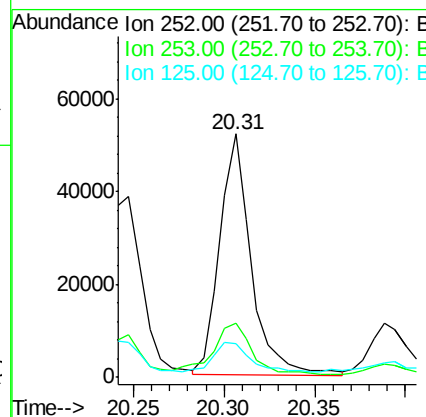
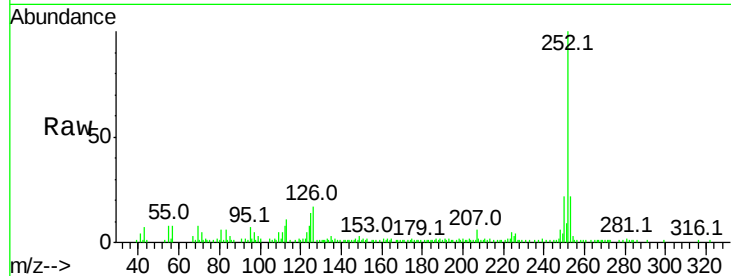
#89
Benzo(a)pyrene
Concen: 7.90 ng
RT: 20.31 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF095445.D
Acq: 26 May 2017 2:49

Instrument :
BNA_F
ClientSampleId :
POST-EX-41-20170517

Tot Ion:	252	Resp:	62752
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.5	26.3
125	14.1	11.0	16.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 5.38 ng
RT: 22.09 min Scan# 3426
Delta R.T. 0.01 min
Lab File: BF095445.D
Acq: 26 May 2017 2:49

Tgt Ion:	276	Resp:	34634
Ion Ratio	Lower	Upper	
276	100		
277	28.9	18.6	28.0#
138	31.2	25.4	38.0

