

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
 Data File : BF095440.D
 Acq On : 26 May 2017 00:08
 Operator : SJ/MA
 Sample : I3200-09 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-39-20170517

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Quant Time: May 26 04:12:03 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	100850	20.00	ng	-0.02
21) Naphthalene-d8	9.77	136	398995	20.00	ng	-0.02
38) Acenaphthene-d10	12.60	164	163258	20.00	ng	-0.02
63) Phenanthrene-d10	15.00	188	235970	20.00	ng	-0.02
75) Chrysene-d12	18.68	240	193032	20.00	ng	-0.01
86) Perylene-d12	20.36	264	146164	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	282822	46.75	ng	-0.01
7) Phenol-d6	7.31	99	358864	49.44	ng	0.00
23) Nitrobenzene-d5	8.65	82	199065	31.46	ng	-0.02
41) 2,4,6-Tribromophenol	13.91	330	57449	42.97	ng	-0.01
44) 2-Fluorobiphenyl	11.54	172	419858	37.02	ng	-0.02
78) Terphenyl-d14	17.32	244	253495	28.92	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	12.24	163	88494	6.60	ng	98
51) Acenaphthene	12.65	154	25040	2.41	ng	97
70) Phenanthrene	15.04	178	434605	32.05	ng	98
71) Anthracene	15.13	178	88636	6.40	ng	94
72) Carbazole	15.42	167	26839	2.13	ng	# 90
73) Di-n-butylphthalate	15.96	149	108130	6.88	ng	97
74) Fluoranthene	16.79	202	748744	53.84	ng	99
77) Pyrene	17.09	202	879237	60.90	ng	99
80) Benzo(a)anthracene	18.67	228	418177	37.22	ng	97
82) Chrysene	18.71	228	441420	40.64	ng	98
83) Bis(2-ethylhexyl)phthalate	18.73	149	267193	27.93	ng	# 99
85) Indeno(1,2,3-cd)pyrene	21.69	276	114926	13.03	ng	92
87) Benzo(b)fluoranthene	19.95	252	323664m	35.84	ng	
88) Benzo(k)fluoranthene	19.98	252	120473m	13.83	ng	
89) Benzo(a)pyrene	20.30	252	243136	29.17	ng	97
90) Dibenzo(a,h)anthracene	21.69	278	31282	4.54	ng	# 91
91) Benzo(a,h,i)perylene	22.08	276	116560	17.26	ng	99

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

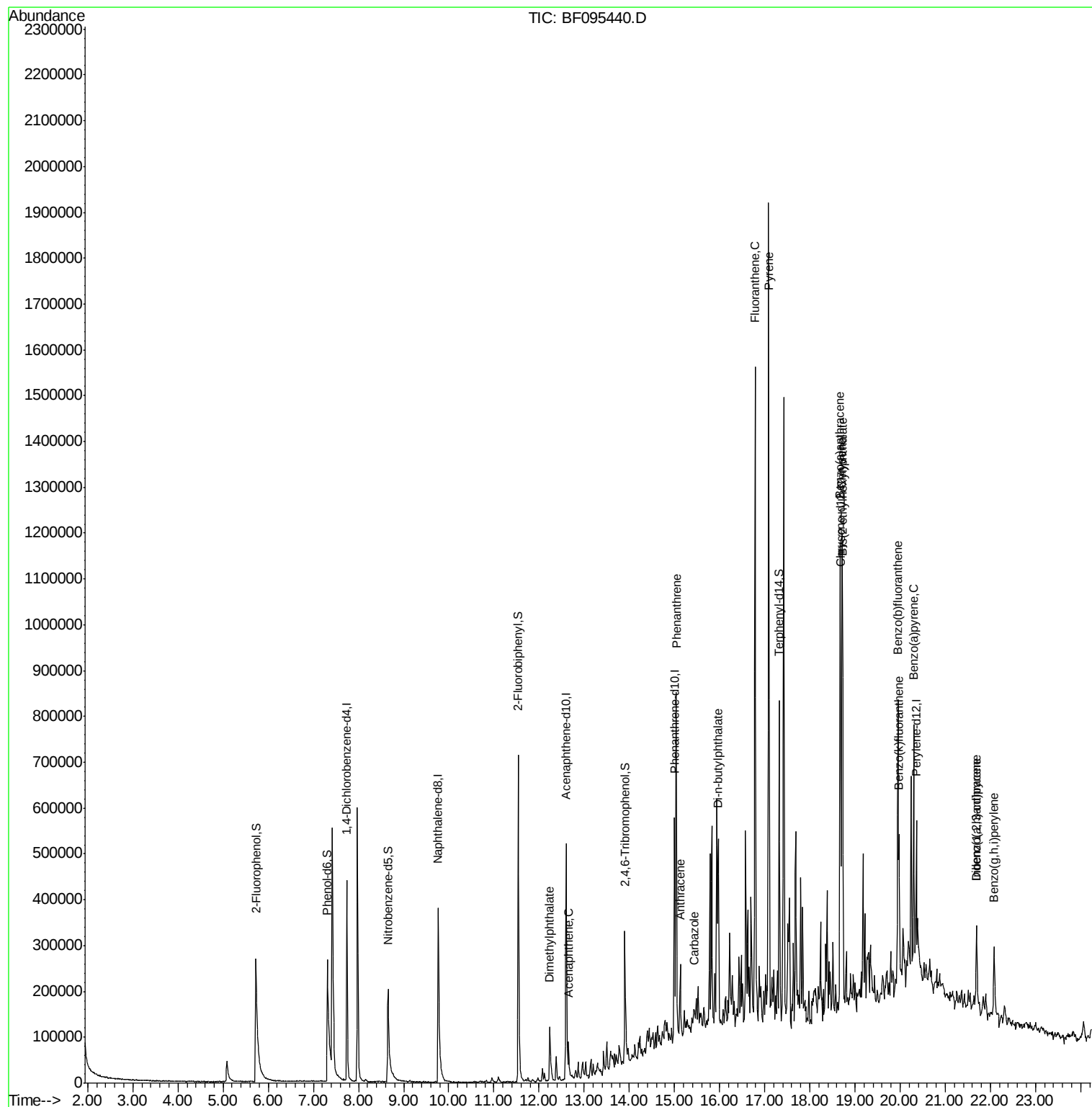
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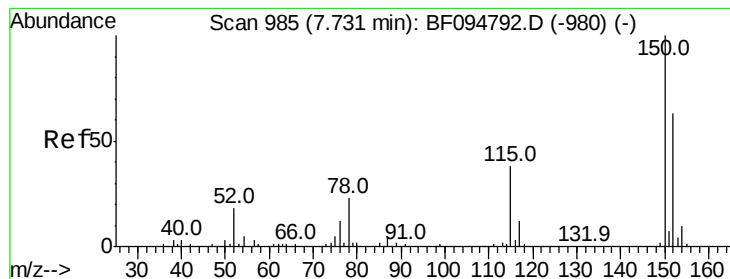
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.74 min Scan# 987

Delta R.T. -0.02 min

Lab File: BF095440.D

Acq: 26 May 2017 00:08

Instrument :

BNA_F

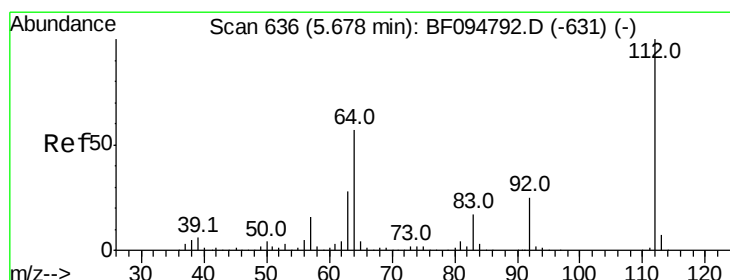
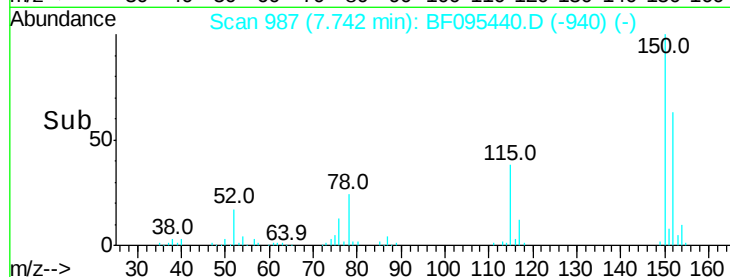
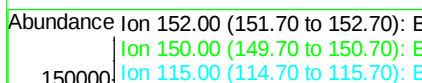
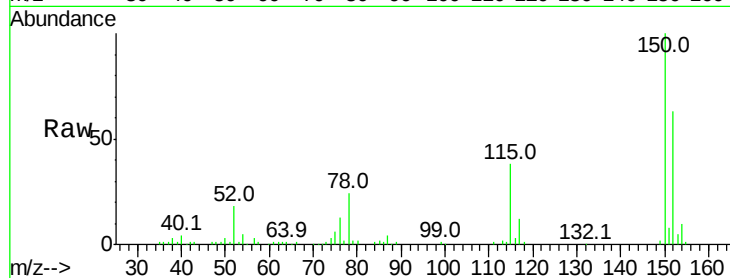
ClientSampleId :

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Tot Ion:	152	Resp:	100850
Ion Ratio	Lower	Upper	
152	100		
150	158.6	126.2	189.2
115	60.3	52.2	78.2

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#5

2-Fluorophenol

Concen: 46.75 ng

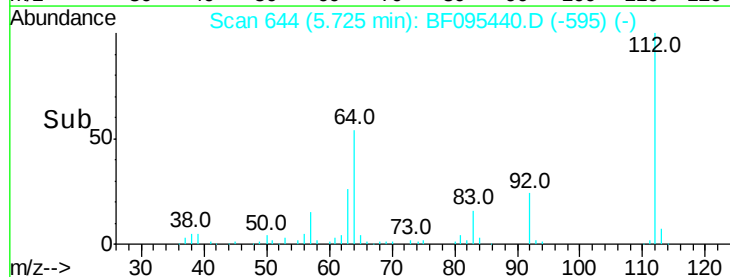
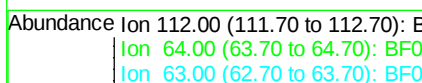
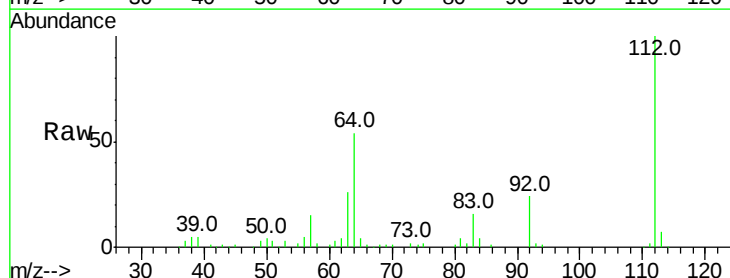
RT: 5.72 min Scan# 644

Delta R.T. -0.01 min

Lab File: BF095440.D

Acq: 26 May 2017 00:08

Tgt Ion:	112	Resp:	282822
Ion Ratio	Lower	Upper	
112	100		
64	54.0	46.0	69.0
63	26.2	23.4	35.0





#7

Phenol-d6

Concen: 49.44 ng

RT: 7.31 min Scan# 913

Delta R.T. -0.01 min

Lab File: BF095440.D

Acq: 26 May 2017 00:08

Instrument :

BNA_F

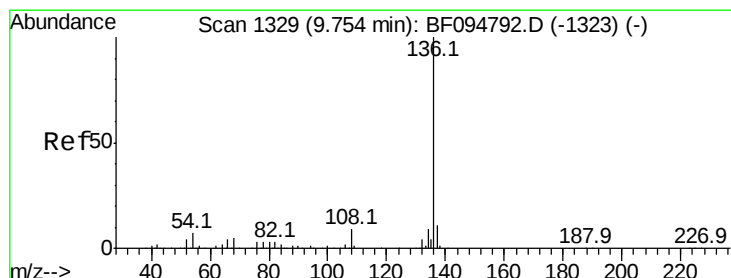
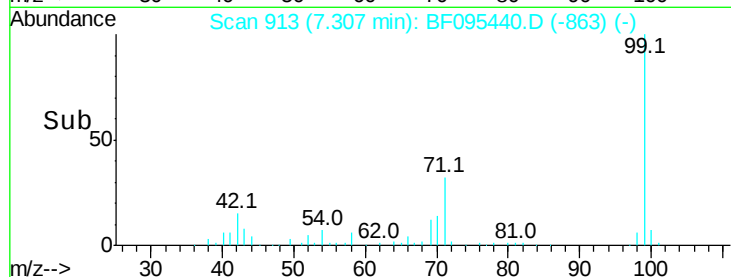
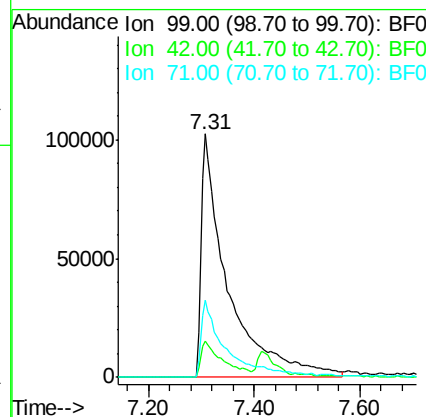
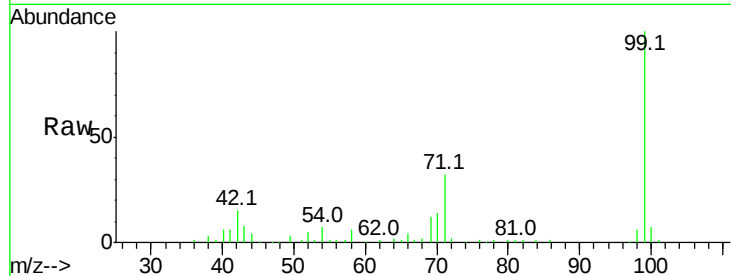
ClientSampleId :

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Tot Ion:	99	Resp:	358864
Ion Ratio	Lower	Upper	
99	100		
42	15.0	13.5	20.3
71	31.8	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

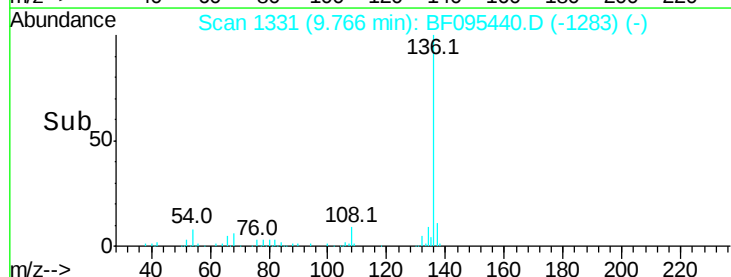
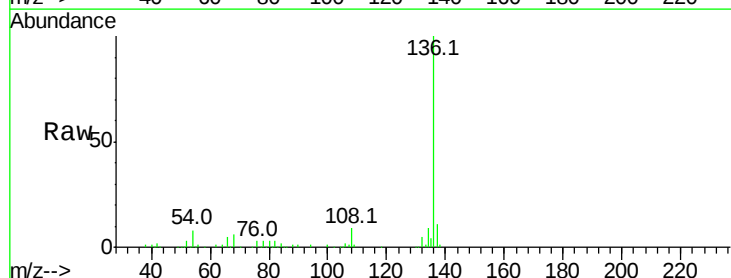
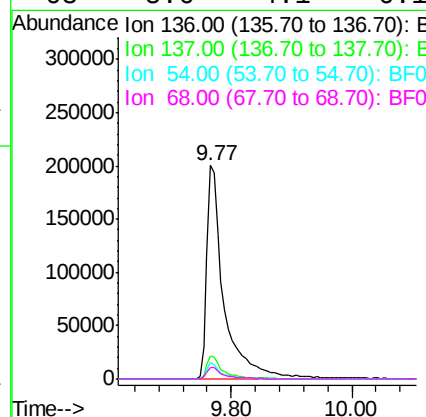
RT: 9.77 min Scan# 1331

Delta R.T. -0.02 min

Lab File: BF095440.D

Acq: 26 May 2017 00:08

Tgt Ion:	136	Resp:	398995
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.5	12.7
54	7.5	4.9	7.3#
68	5.6	4.1	6.1





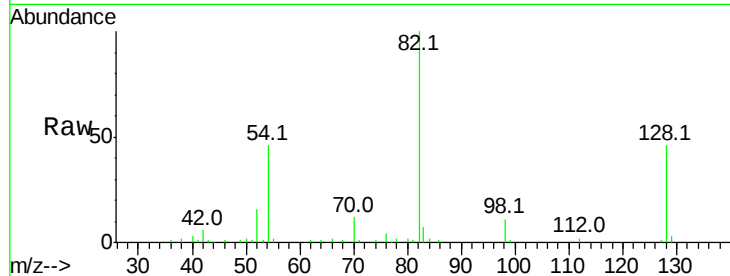
#23
 Nitrobenzene-d5
 Concen: 31.46 ng
 RT: 8.65 min Scan# 1142
 Delta R.T. -0.02 min
 Lab File: BF095440.D
 Acq: 26 May 2017 00:08

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-39-20170517

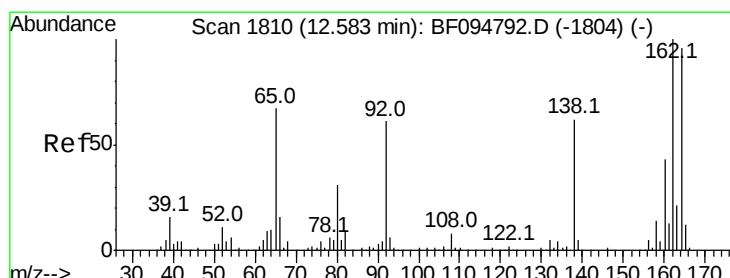
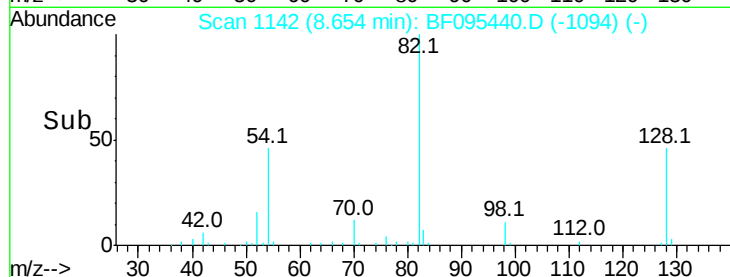
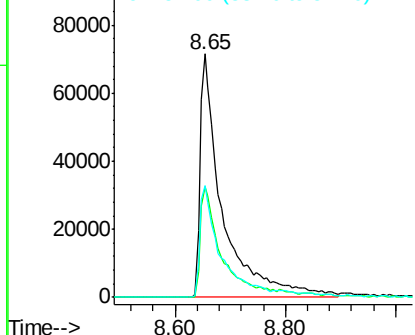
Tot Ion	Ratio	Resp	Lower	Upper
82	100	199065		
128	45.6		34.0	51.0
54	45.8		42.2	63.2

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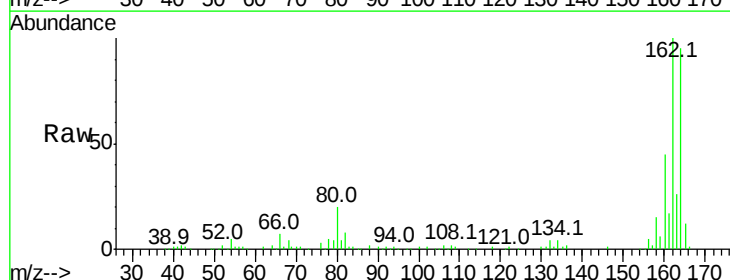


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

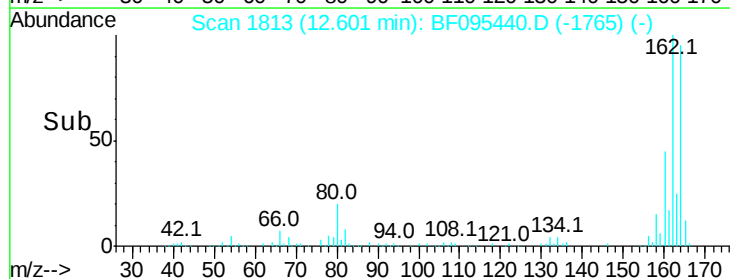
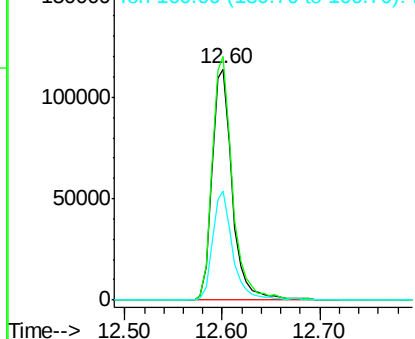


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.60 min Scan# 1813
 Delta R.T. -0.02 min
 Lab File: BF095440.D
 Acq: 26 May 2017 00:08

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	163258		
162	105.4		82.6	123.8
160	47.4		36.2	54.2



Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





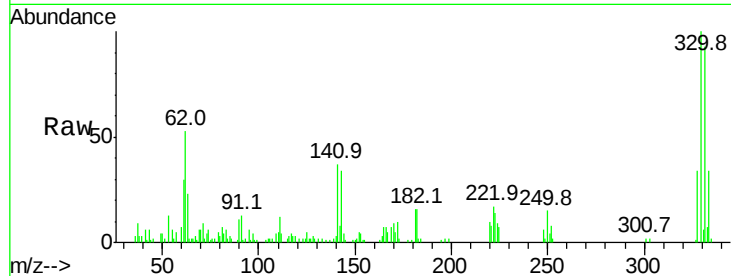
#41
 2,4,6-Tribromophenol
 Concen: 42.97 ng
 RT: 13.91 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: BF095440.D
 Acq: 26 May 2017 00:08

Instrument :
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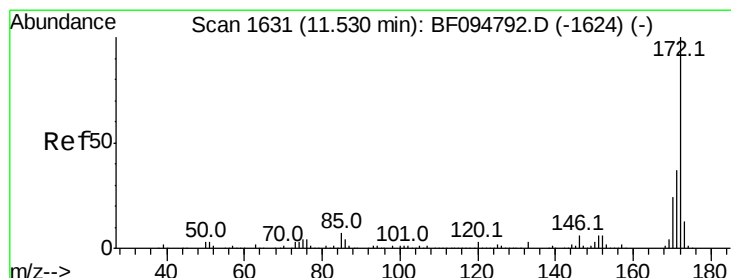
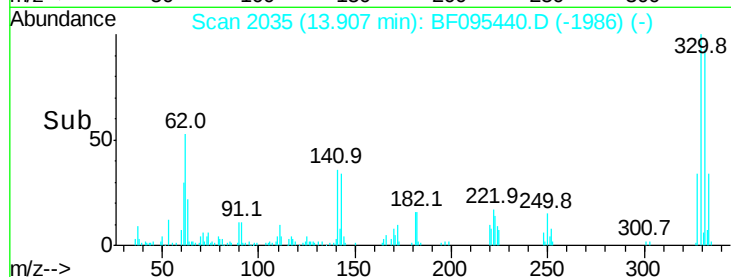
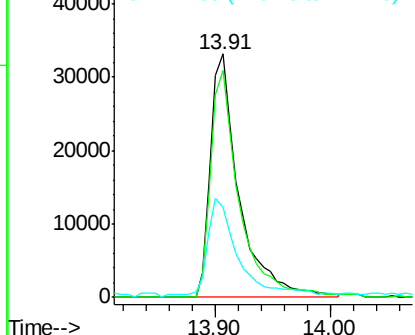
Tot Ion	Ratio	Lower	Upper
330	100		
332	92.7	76.6	115.0
141	45.1	31.4	47.2

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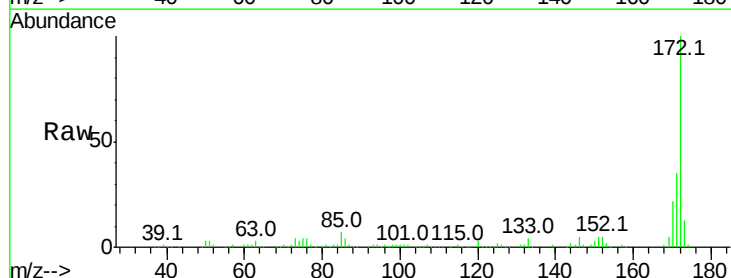


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

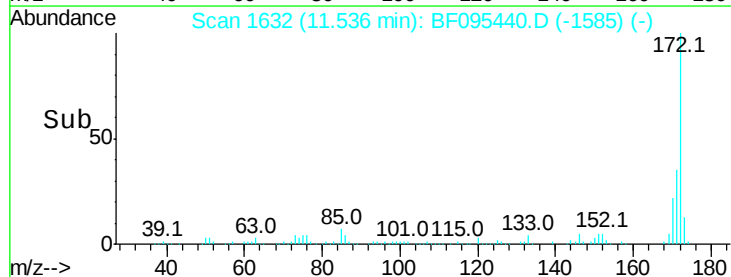
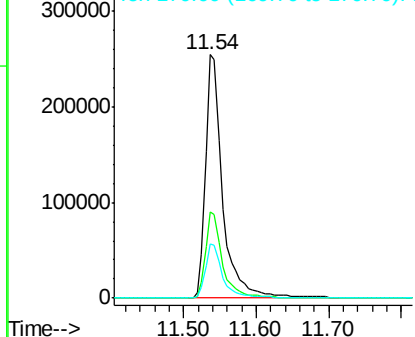


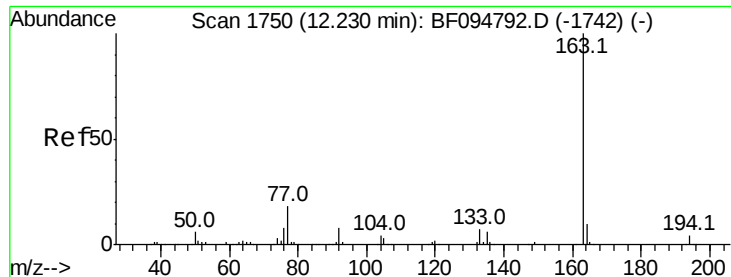
#44
 2-Fluorobiphenyl
 Concen: 37.02 ng
 RT: 11.54 min Scan# 1632
 Delta R.T. -0.02 min
 Lab File: BF095440.D
 Acq: 26 May 2017 00:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.6	44.4
170	22.2	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





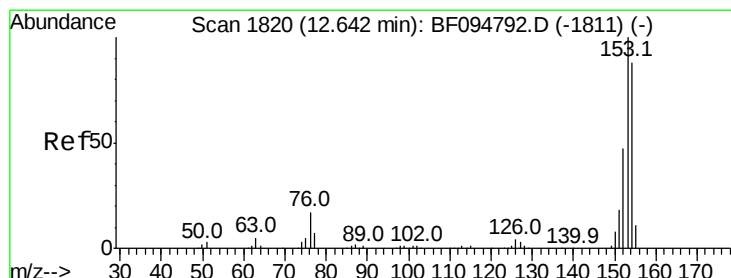
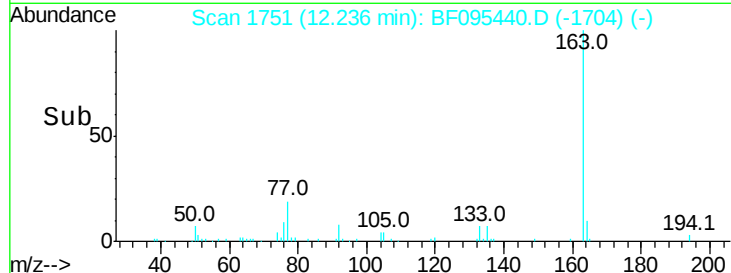
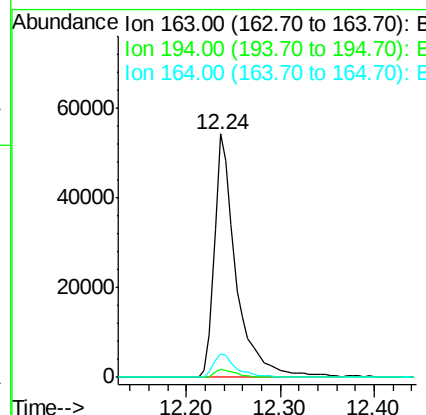
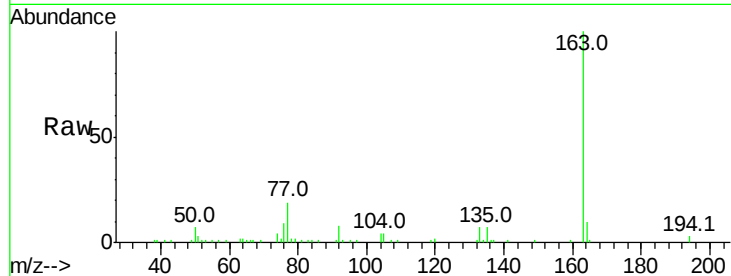
#49
Dimethylphthalate
Concen: 6.60 ng
RT: 12.24 min Scan# 1751
Delta R.T. -0.02 min
Lab File: BF095440.D
Acq: 26 May 2017 00:08

Instrument :
BNA_F
ClientSampleId :
POST-EX-39-20170517

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.5	2.6	4.0	
164	9.8	8.4	12.6	

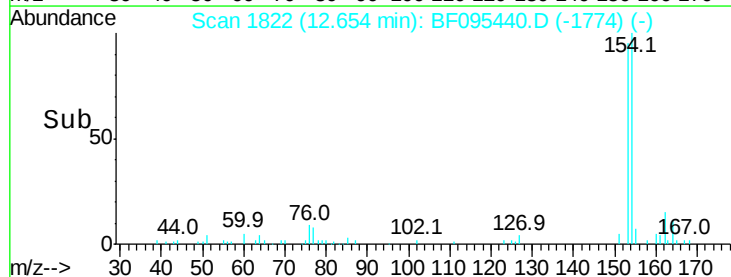
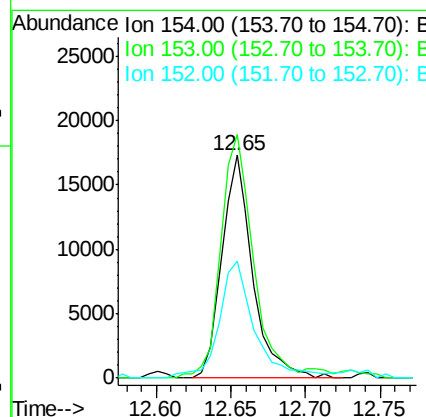
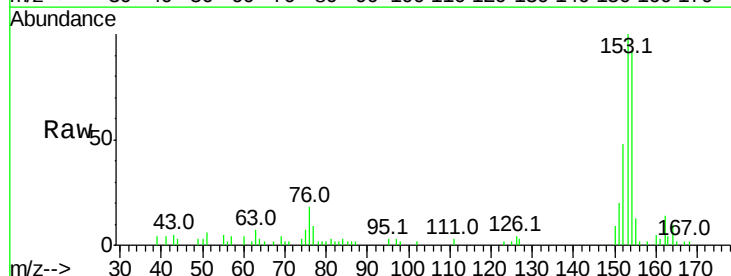
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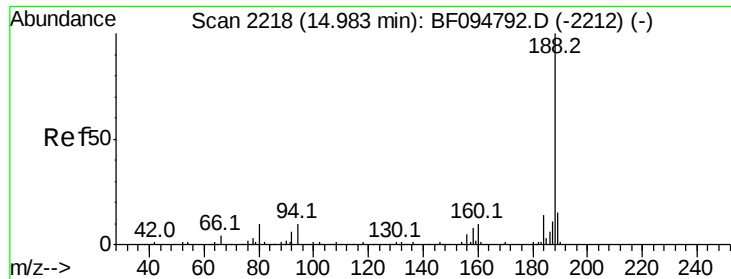
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#51
Acenaphthene
Concen: 2.41 ng
RT: 12.65 min Scan# 1822
Delta R.T. -0.02 min
Lab File: BF095440.D
Acq: 26 May 2017 00:08

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	109.1	90.5	135.7	
152	52.6	43.6	65.4	





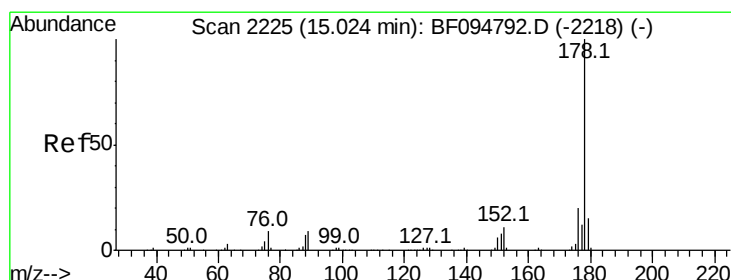
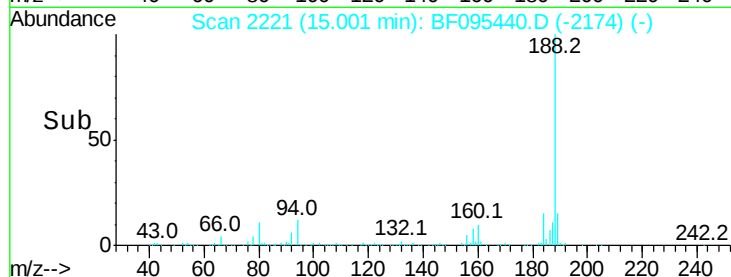
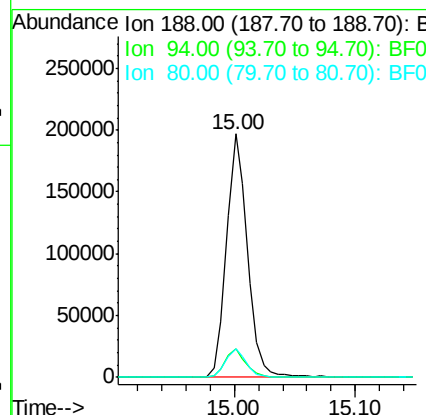
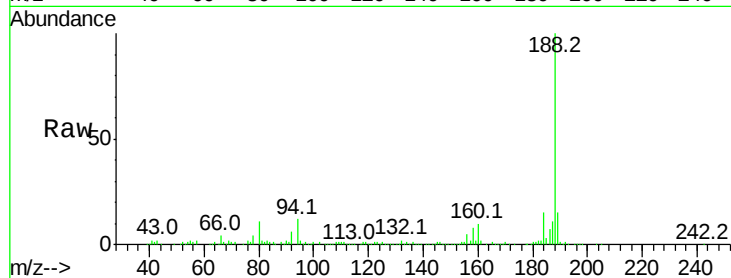
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 15.00 min Scan# 2221
Delta R.T. -0.02 min
Lab File: BF095440.D
Acq: 26 May 2017 00:08

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
188	100	235970		
94	11.7		9.4	14.2
80	11.5		10.2	15.2

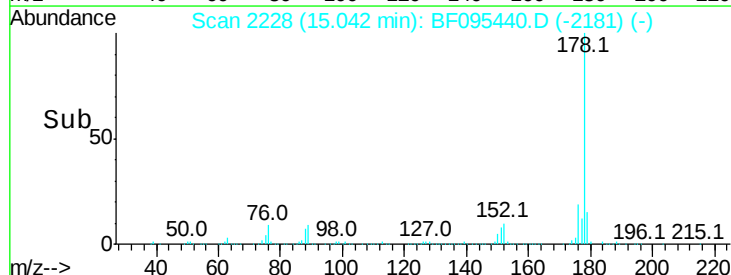
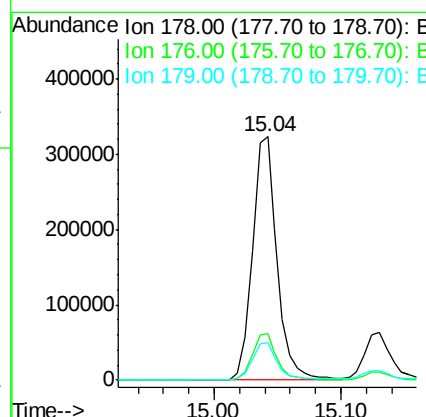
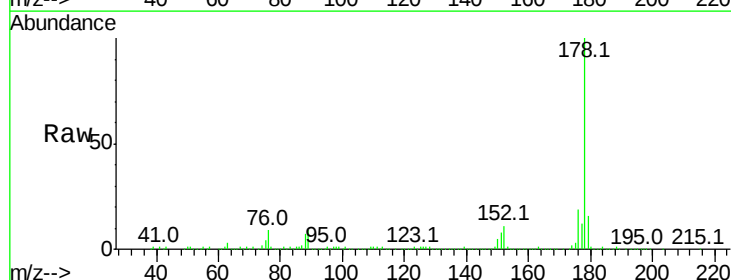
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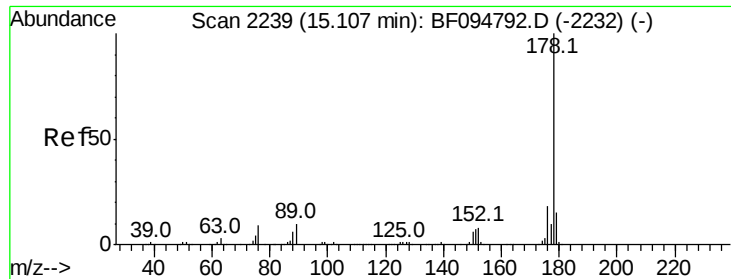
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#70
Phenanthrene
Concen: 32.05 ng
RT: 15.04 min Scan# 2228
Delta R.T. -0.02 min
Lab File: BF095440.D
Acq: 26 May 2017 00:08

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	434605		
176	19.0		16.2	24.4
179	15.6		12.6	19.0





#71

Anthracene

Concen: 6.40 ng

RT: 15.13 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BF095440.D

Acq: 26 May 2017 00:08

Instrument :

BNA_F

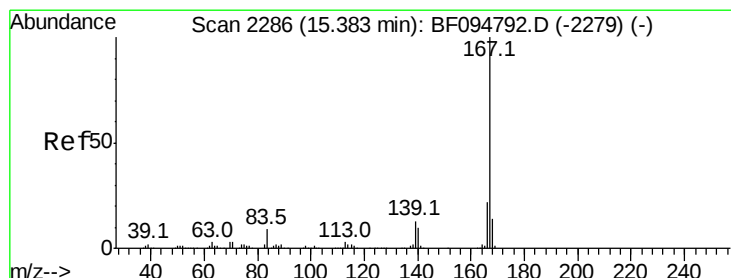
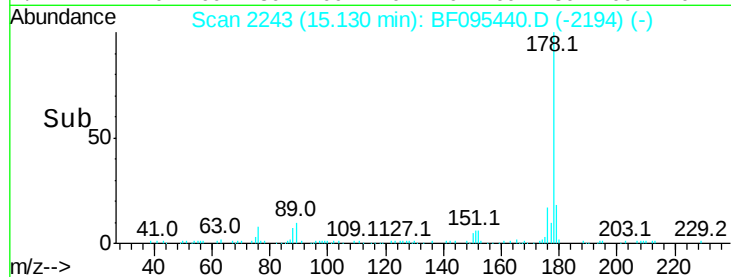
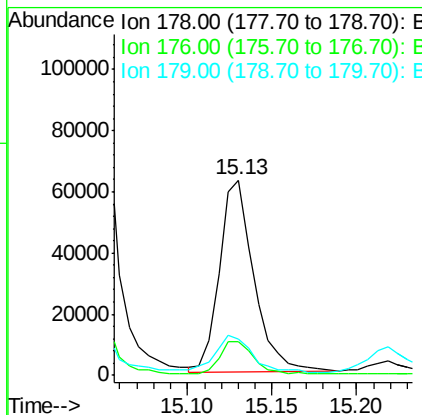
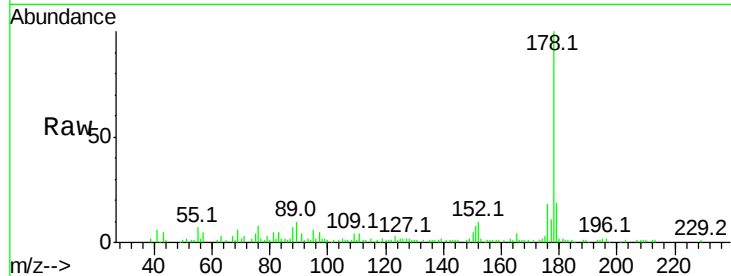
ClientSampleId :

POST-EX-39-20170517

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.8	23.8
179	18.7	12.7	19.1

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#72

Carbazole

Concen: 2.13 ng

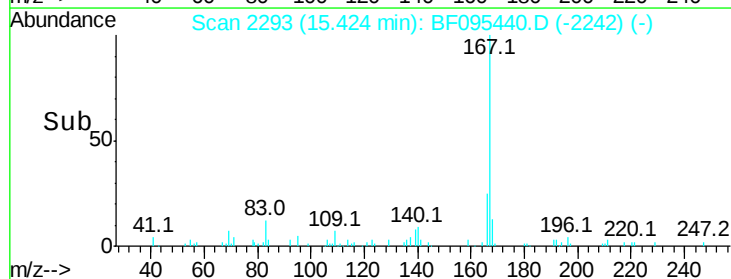
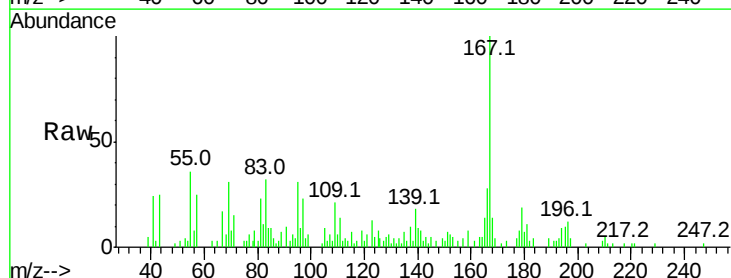
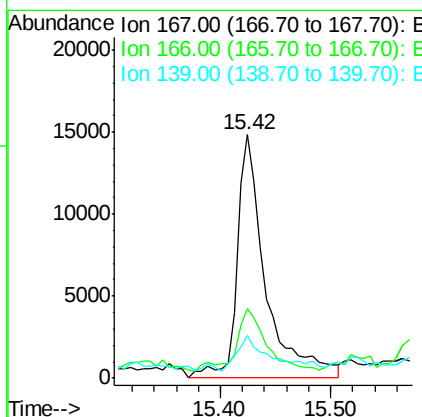
RT: 15.42 min Scan# 2293

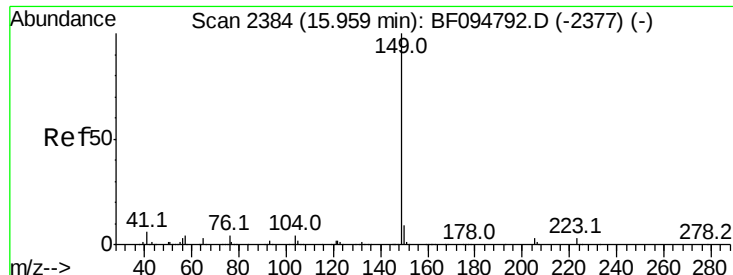
Delta R.T. 0.00 min

Lab File: BF095440.D

Acq: 26 May 2017 00:08

Tgt Ion	Ratio	Lower	Upper
167	100		
166	28.4	18.1	27.1#
139	17.8	11.7	17.5#





#73

Di-n-butylphthalate

Concen: 6.88 ng

RT: 15.96 min Scan# 2384

Delta R.T. -0.02 min

Lab File: BF095440.D

Acq: 26 May 2017 00:08

Instrument :

BNA_F

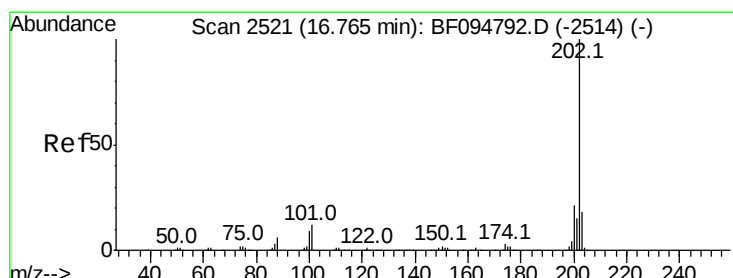
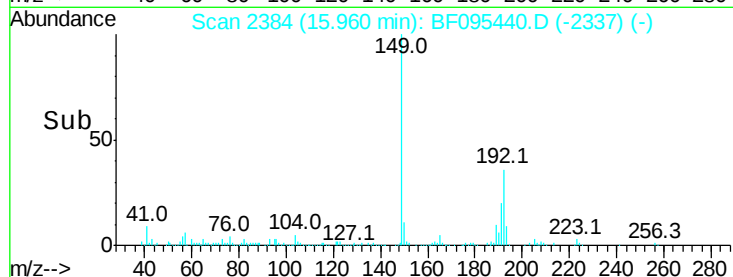
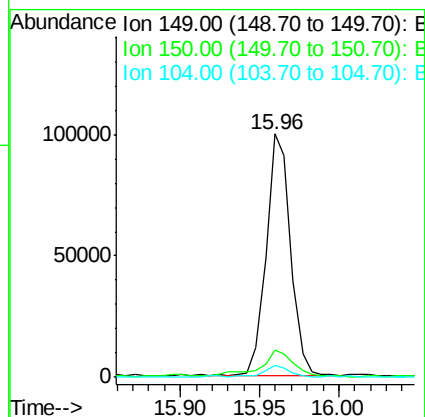
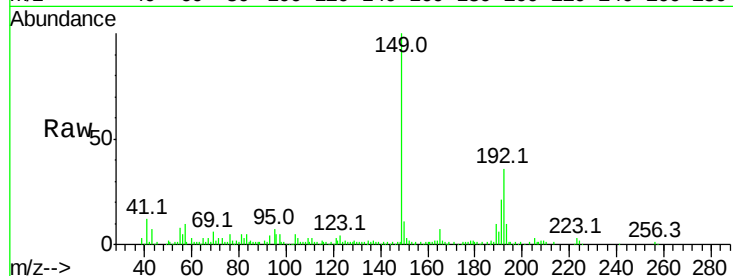
ClientSampleId :

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Tot Ion:	149	Resp:	108130
Ion Ratio	Lower	Upper	
149	100		
150	11.0	7.7	11.5
104	5.1	4.0	6.0

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#74

Fluoranthene

Concen: 53.84 ng

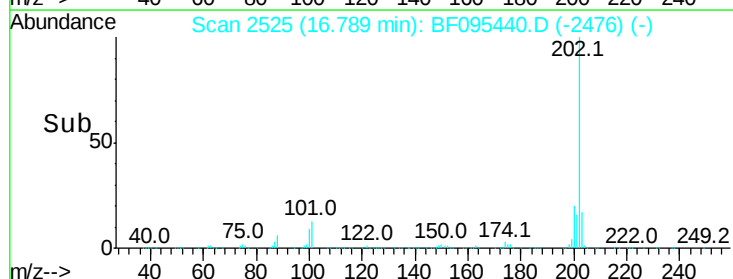
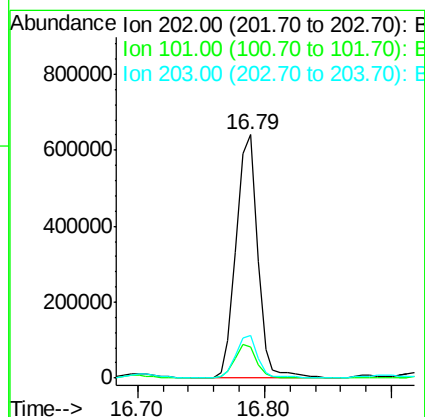
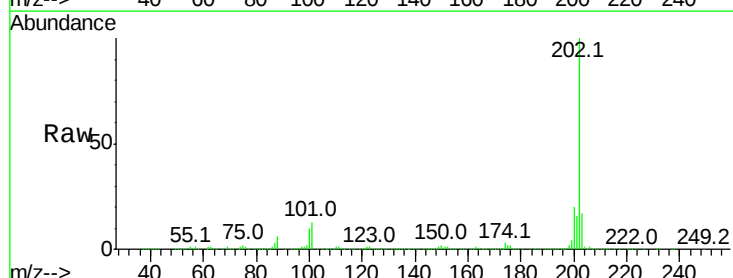
RT: 16.79 min Scan# 2525

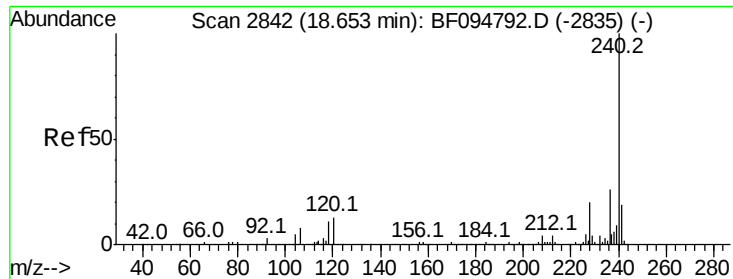
Delta R.T. -0.01 min

Lab File: BF095440.D

Acq: 26 May 2017 00:08

Tgt Ion:	202	Resp:	748744
Ion Ratio	Lower	Upper	
202	100		
101	12.9	0.0	33.2
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.68 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BF095440.D

Acq: 26 May 2017 00:08

Instrument :

BNA_F

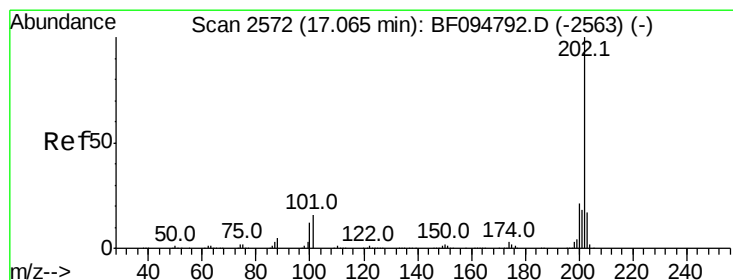
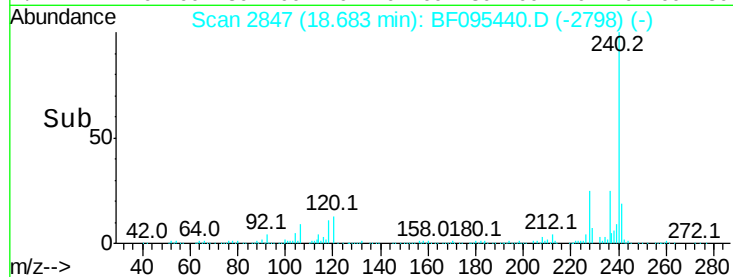
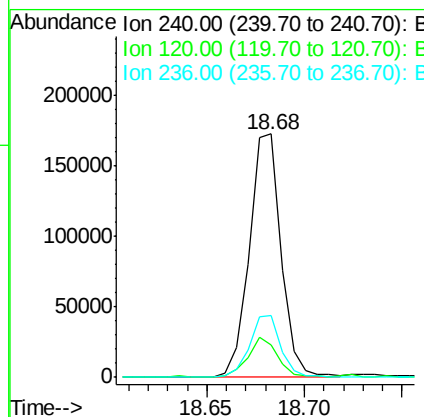
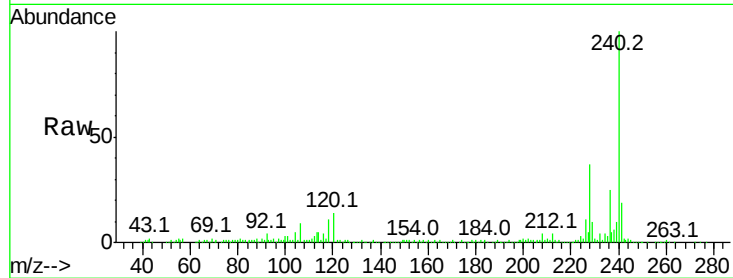
ClientSampleId :

POST-EX-39-20170517

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.6	5.8	8.8#
236	25.4	20.5	30.7

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#77

Pyrene

Concen: 60.90 ng

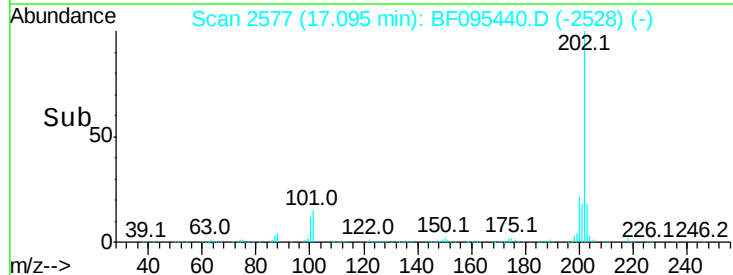
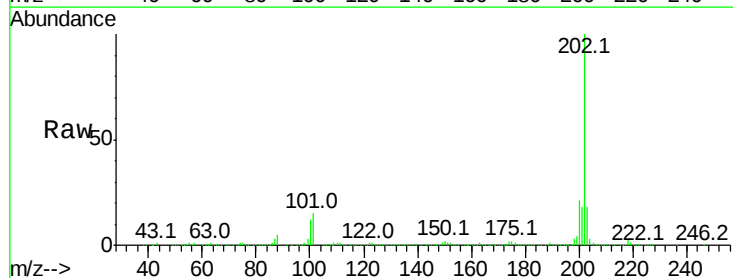
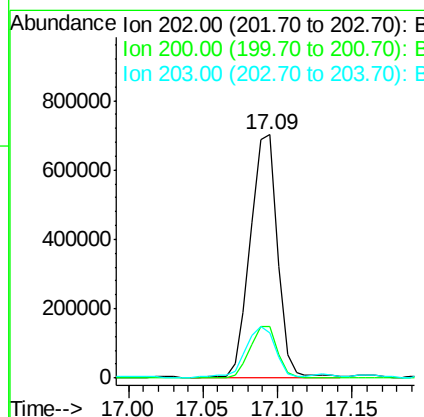
RT: 17.09 min Scan# 2577

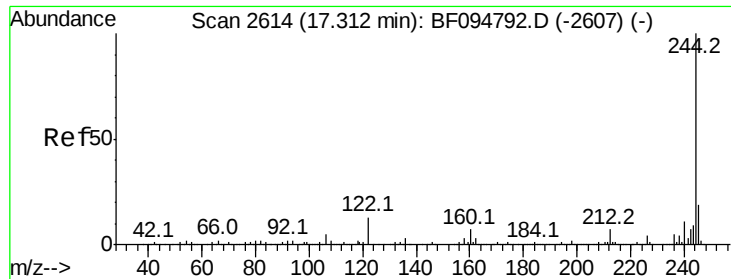
Delta R.T. -0.01 min

Lab File: BF095440.D

Acq: 26 May 2017 00:08

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.6	26.4
203	18.4	14.4	21.6





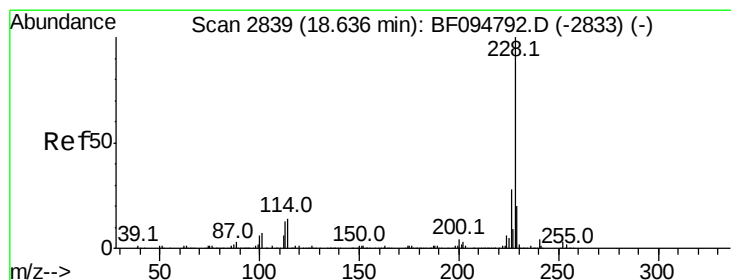
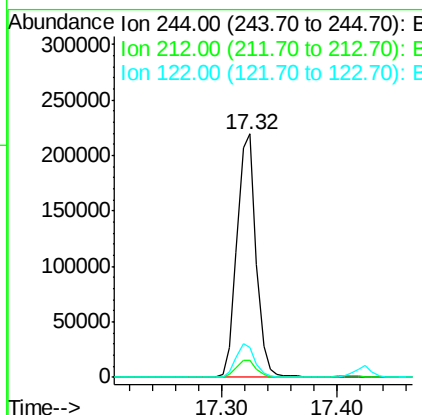
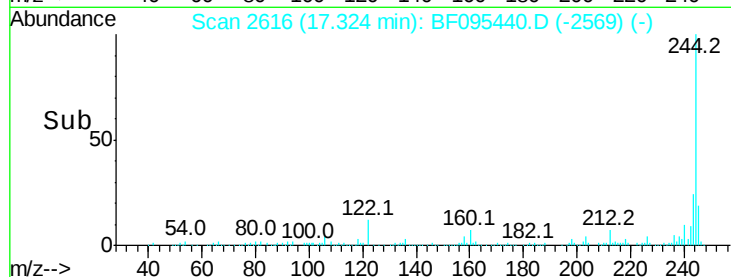
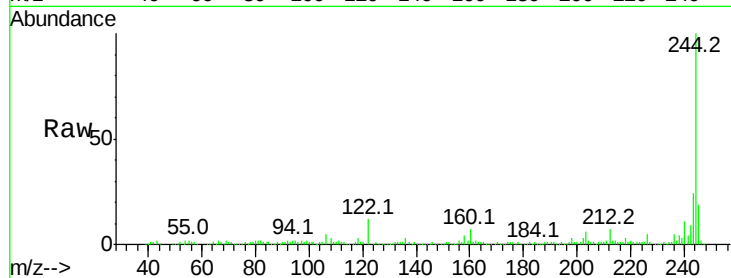
#78
 Terphenyl-d14
 Concen: 28.92 ng
 RT: 17.32 min Scan# 2616
 Delta R.T. -0.02 min
 Lab File: BF095440.D
 Acq: 26 May 2017 00:08

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-39-20170517

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	12.1	10.3	15.5

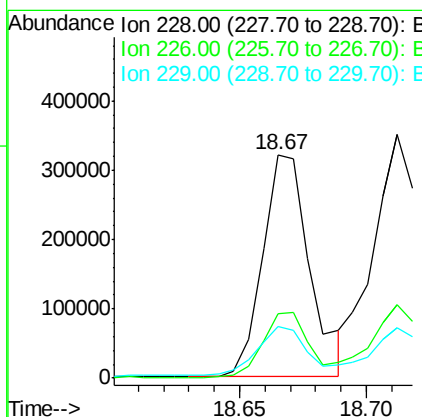
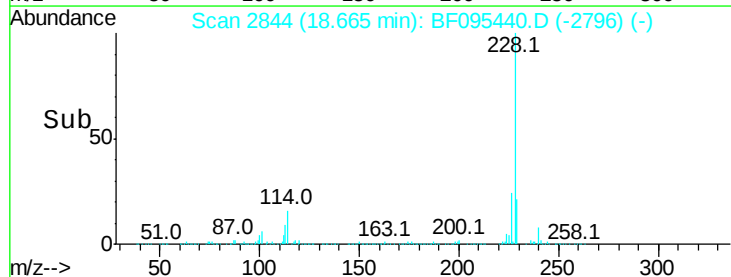
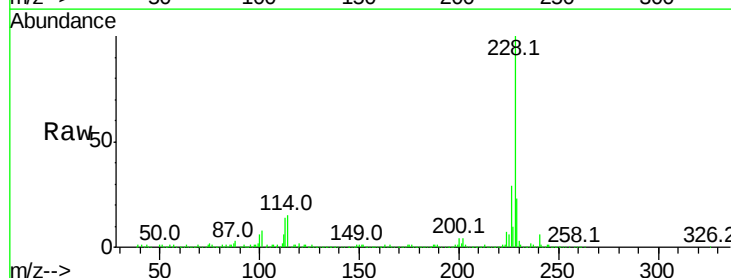
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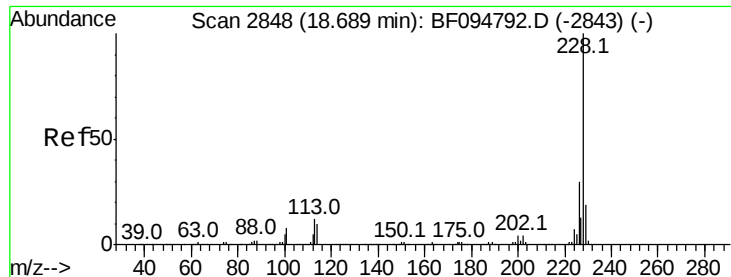
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#80
 Benzo(a)anthracene
 Concen: 37.22 ng
 RT: 18.67 min Scan# 2844
 Delta R.T. -0.02 min
 Lab File: BF095440.D
 Acq: 26 May 2017 00:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.6	33.8
229	22.9	16.3	24.5





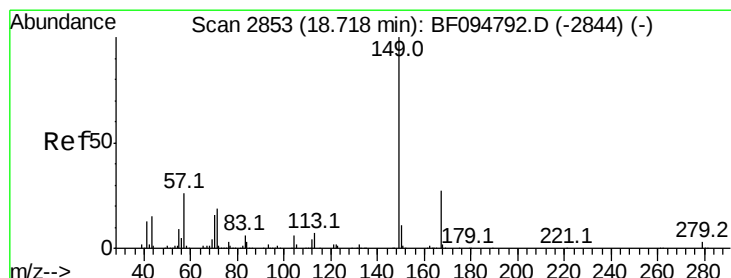
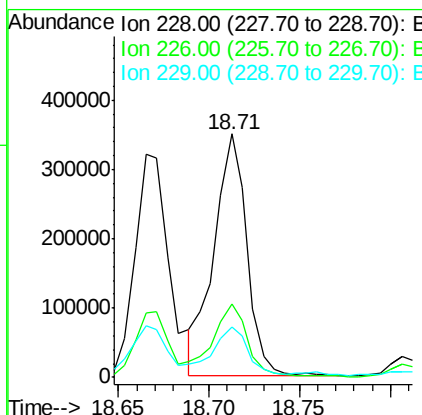
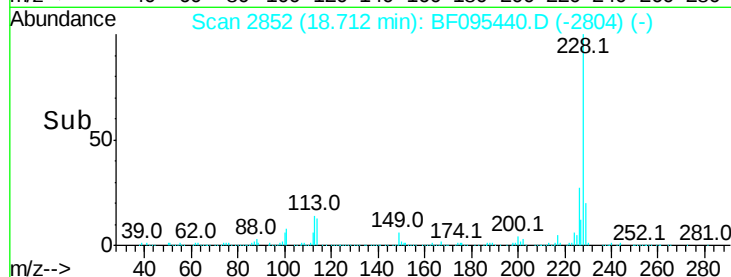
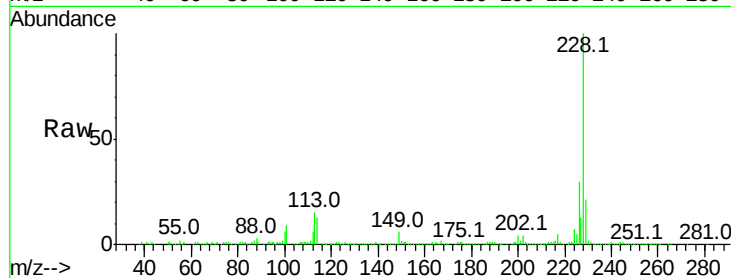
#82
Chrysene
Concen: 40.64 ng
RT: 18.71 min Scan# 2852
Delta R.T. -0.02 min
Lab File: BF095440.D
Acq: 26 May 2017 00:08

Instrument :
BNA_F
ClientSampleId :
POST-EX-39-20170517

Tot Ion:	228	Resp:	441420
Ion Ratio	Lower	Upper	
228	100		
226	30.3	24.9	37.3
229	20.8	15.8	23.6

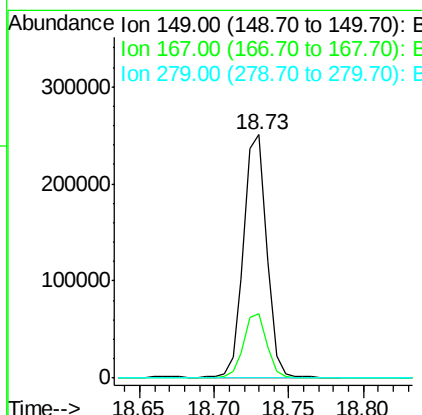
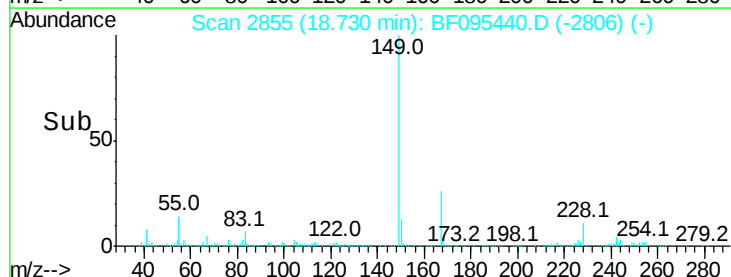
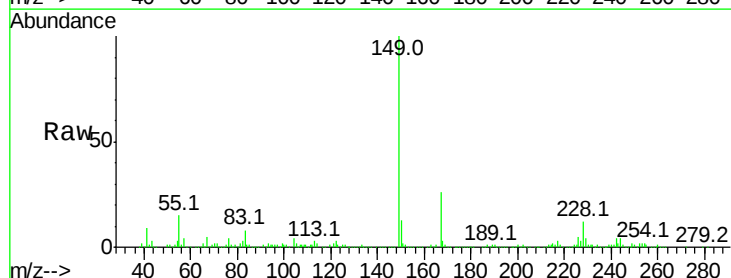
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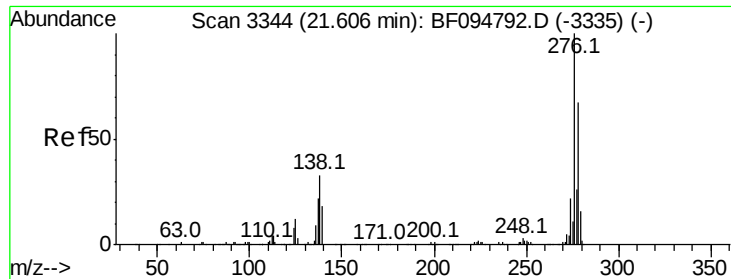
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#83
Bis(2-ethylhexyl)phthalate
Concen: 27.93 ng
RT: 18.73 min Scan# 2855
Delta R.T. -0.01 min
Lab File: BF095440.D
Acq: 26 May 2017 00:08

Tgt Ion:	149	Resp:	267193
Ion Ratio	Lower	Upper	
149	100		
167	26.4	21.0	31.4
279	0.4	1.9	2.9#





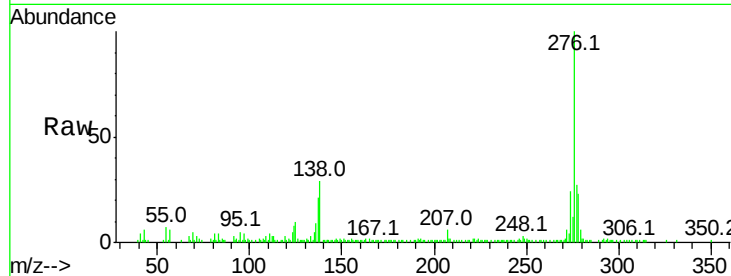
#85
Indeno(1,2,3-cd)pyrene
Concen: 13.03 ng
RT: 21.69 min Scan# 3359
Delta R.T. -0.01 min
Lab File: BF095440.D
Acq: 26 May 2017 00:08

Instrument :
BNA_F
ClientSampleId :
POST-EX-39-20170517

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.7	27.8	41.6
277	22.5	20.2	30.4

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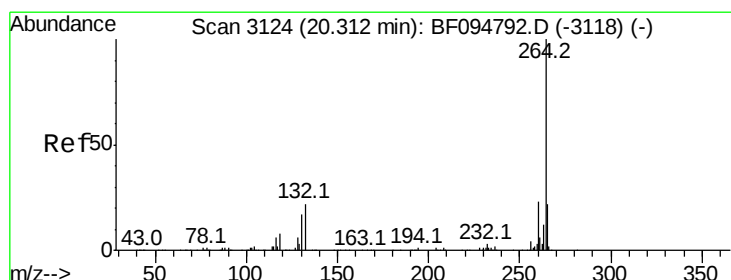
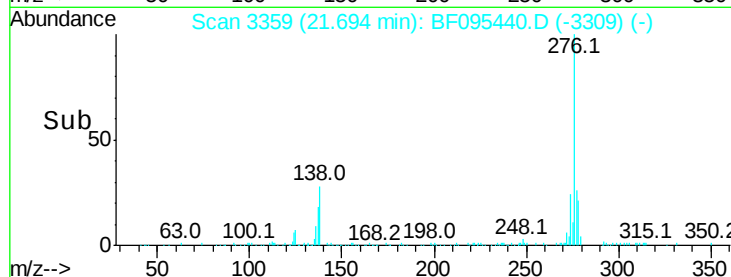
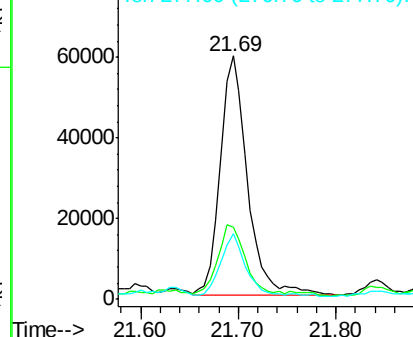


Abundance

Ion 276.00 (275.70 to 276.70): E

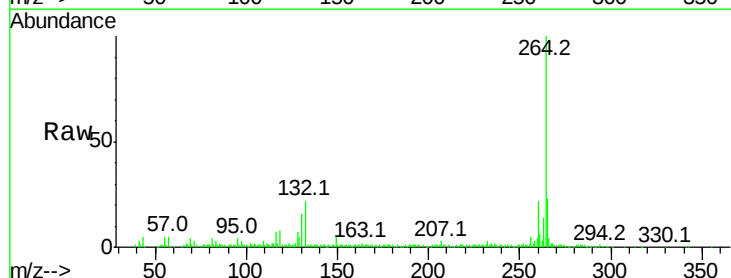
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
Perylene-d12
Concen: 20.00 ng
RT: 20.36 min Scan# 3132
Delta R.T. -0.01 min
Lab File: BF095440.D
Acq: 26 May 2017 00:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.6	19.5	29.3
265	22.6	17.2	25.8

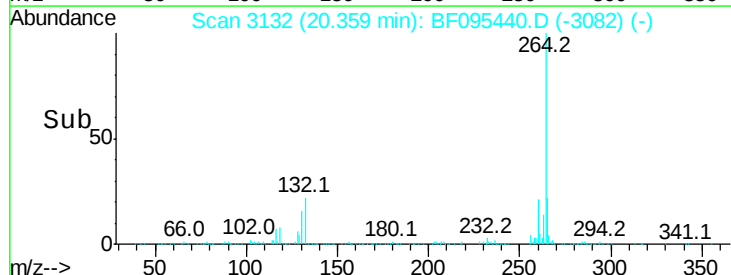
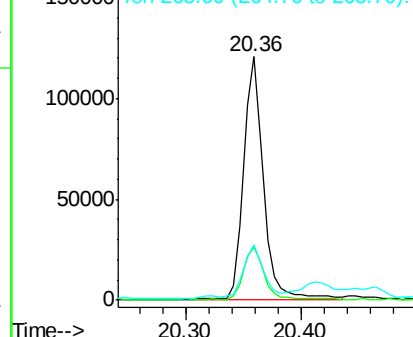


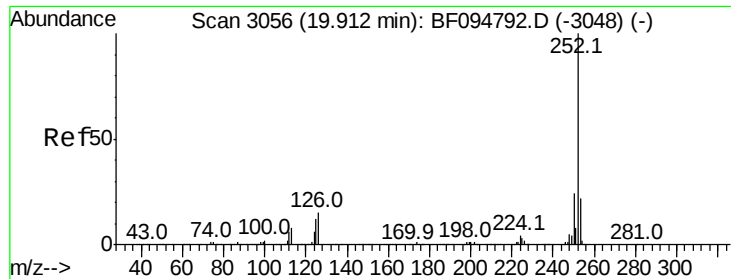
Abundance

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





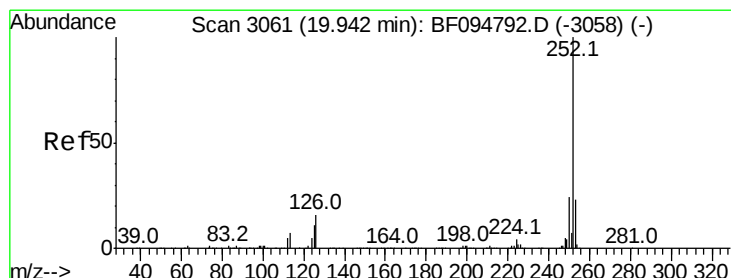
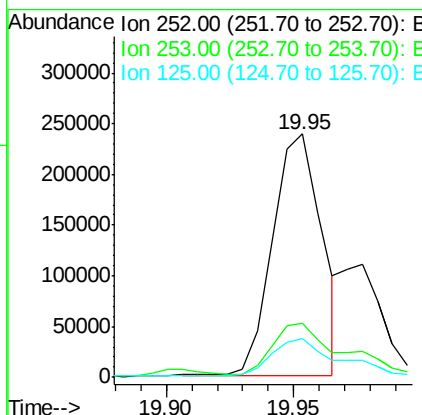
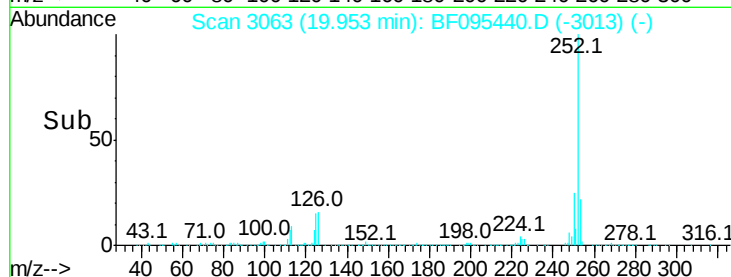
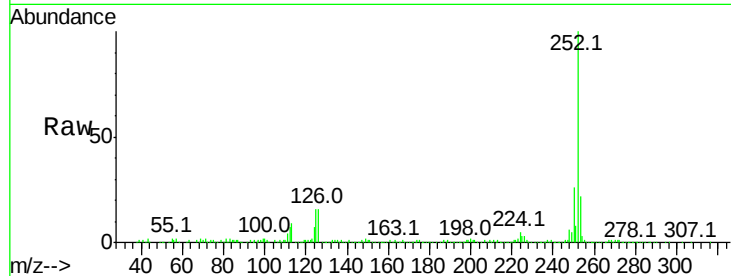
#87
Benzo(b)fluoranthene
Concen: 35.84 ng m
RT: 19.95 min Scan# 3063
Delta R.T. -0.01 min
Lab File: BF095440.D
Acq: 26 May 2017 00:08

Instrument :
BNA_F
ClientSampleId :
POST-EX-39-20170517

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.1	27.1
125	15.8	9.8	14.8

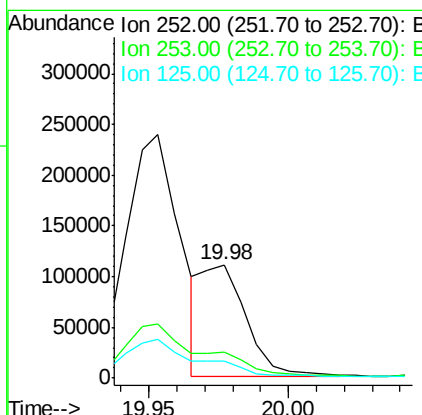
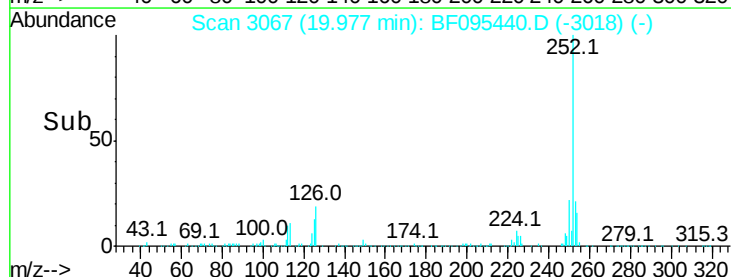
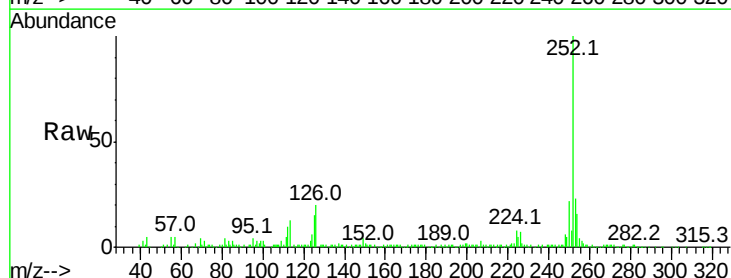
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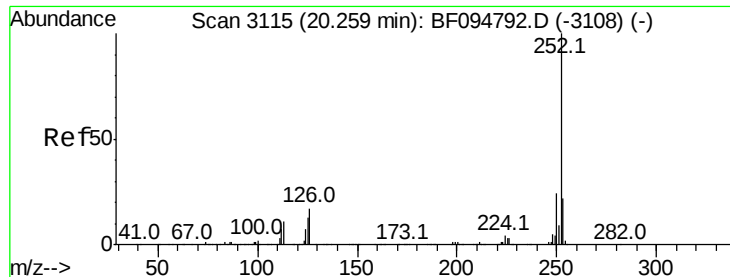
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#88
Benzo(k)fluoranthene
Concen: 13.83 ng m
RT: 19.98 min Scan# 3067
Delta R.T. -0.01 min
Lab File: BF095440.D
Acq: 26 May 2017 00:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.4	27.6
125	14.6	13.1	19.7





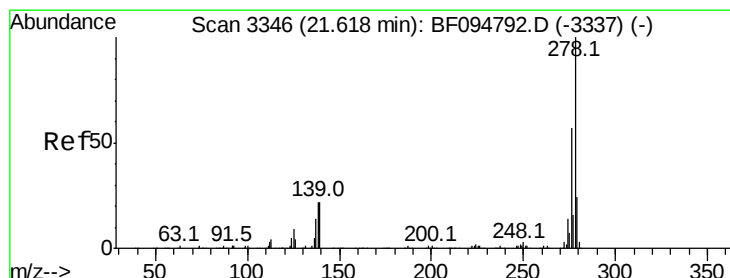
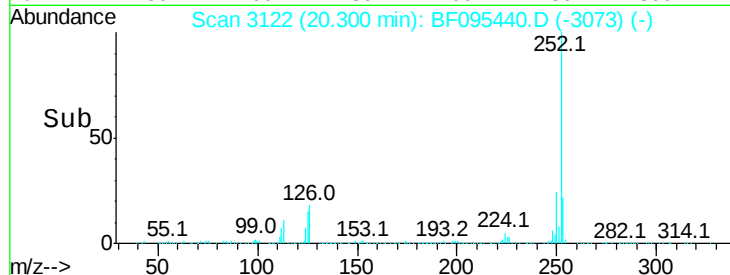
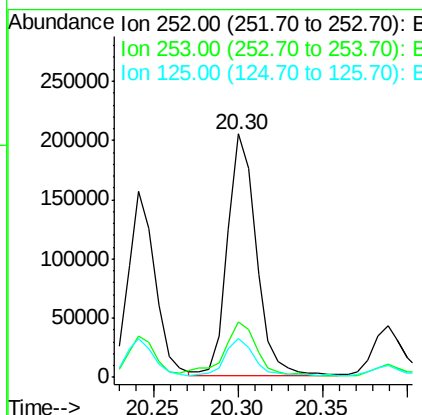
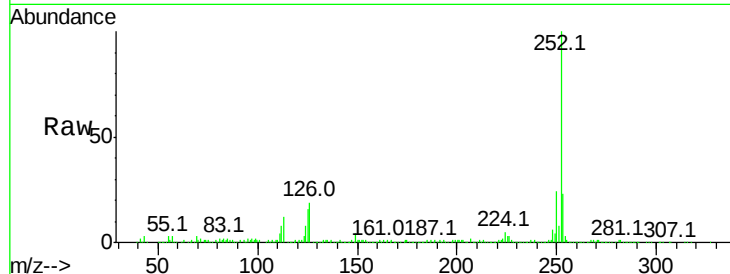
#89
Benzo(a)pyrene
Concen: 29.17 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BF095440.D
Acq: 26 May 2017 00:08

Instrument :
BNA_F
ClientSampleId :
POST-EX-39-20170517

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	15.9	11.0	16.4

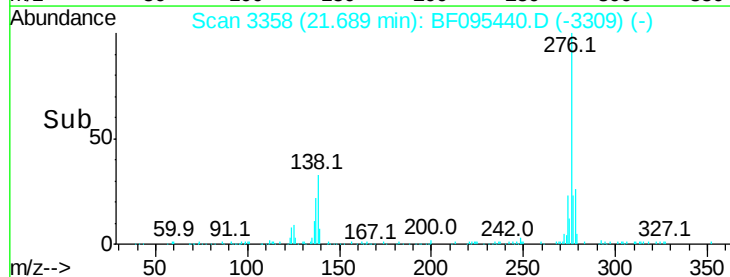
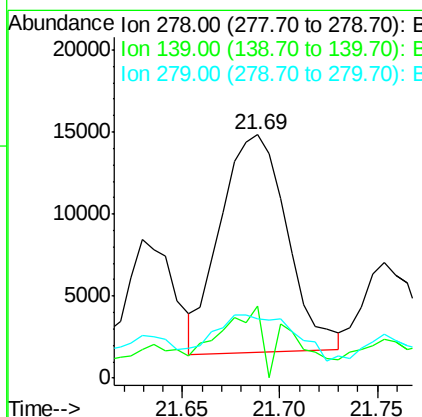
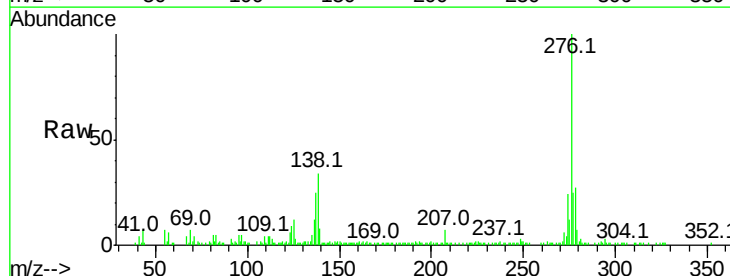
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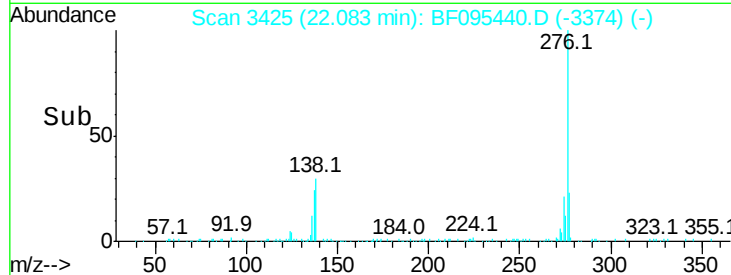
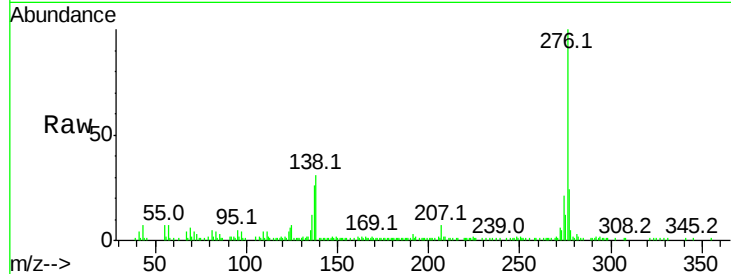
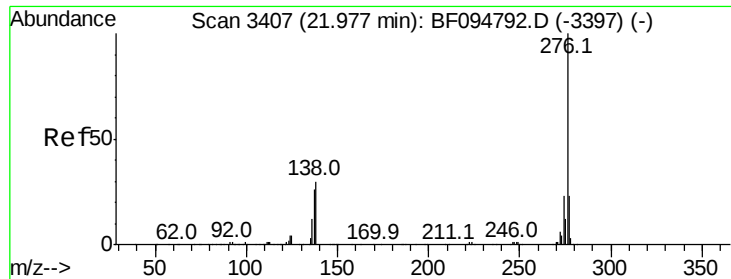
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#90
Dibenzo(a,h)anthracene
Concen: 4.54 ng
RT: 21.69 min Scan# 3358
Delta R.T. -0.01 min
Lab File: BF095440.D
Acq: 26 May 2017 00:08

Tgt Ion	Ratio	Lower	Upper
278	100		
139	29.4	16.6	24.8#
279	24.2	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 17.26 ng
 RT: 22.08 min Scan# 3425
 Delta R.T. 0.00 min
 Lab File: BF095440.D
 Acq: 26 May 2017 00:08

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-39-20170517

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	24.3	18.6	28.0
138	31.2	25.4	38.0

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