

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051017\
 Data File : BF095068.D
 Acq On : 10 May 2017 21:42
 Operator : SJ/MA
 Sample : I3037-10 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB409-GW

Manual Integrations
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Quant Time: May 11 07:53:14 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	71842	20.00	ng	-0.02
21) Naphthalene-d8	9.72	136	310716	20.00	ng	-0.03
38) Acenaphthene-d10	12.56	164	141097	20.00	ng	-0.02
63) Phenanthrene-d10	14.97	188	251880	20.00	ng	-0.02
75) Chrysene-d12	18.63	240	201061	20.00	ng	-0.02
86) Perylene-d12	20.30	264	174997	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	64676	15.01	ng	0.01
7) Phenol-d6	7.31	99	51039	9.87	ng	0.03
23) Nitrobenzene-d5	8.61	82	92758	18.82	ng	-0.03
41) 2,4,6-Tribromophenol	13.87	330	38314	33.16	ng	-0.02
44) 2-Fluorobiphenyl	11.50	172	219847	22.43	ng	-0.03
78) Terphenyl-d14	17.28	244	200086	21.92	ng	-0.03
Target Compounds						Qvalue
31) Naphthalene	9.76	128	199696	12.79	ng	99
37) 2-Methylnaphthalene	10.89	142	107516	10.49	ng	99
48) Acenaphthylene	12.33	152	58276	3.88	ng	# 87
51) Acenaphthene	12.61	154	101686	11.33	ng	100
57) Fluorene	13.45	166	127096	11.77	ng	# 94
70) Phenanthrene	15.00	178	509217	35.19	ng	99
71) Anthracene	15.08	178	132356m	8.95	ng	
74) Fluoranthene	16.74	202	156286	10.53	ng	99
77) Pyrene	17.05	202	412163	27.41	ng	98
80) Benzo(a)anthracene	18.62	228	66195	5.66	ng	96
82) Chrysene	18.67	228	69065	6.10	ng	94
85) Indeno(1,2,3-cd)pyrene	21.61	276	29239	3.18	ng	94
87) Benzo(b)fluoranthene	19.90	252	47187m	4.36	ng	
89) Benzo(a)pyrene	20.24	252	69627	6.98	ng	# 96
91) Benzo(a,h,i)perylene	21.98	276	42164	5.21	ng	95

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

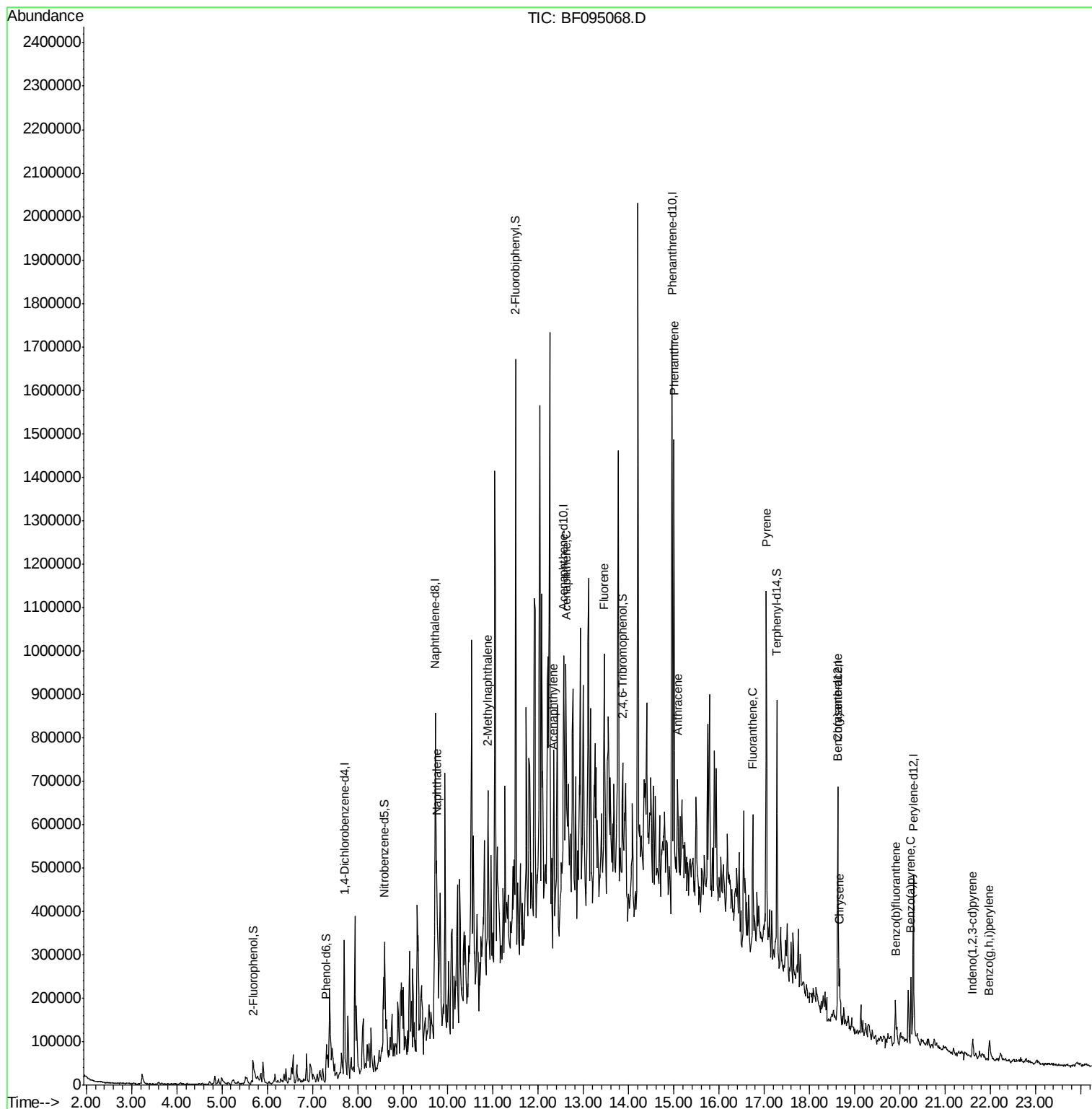
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051017\
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#1

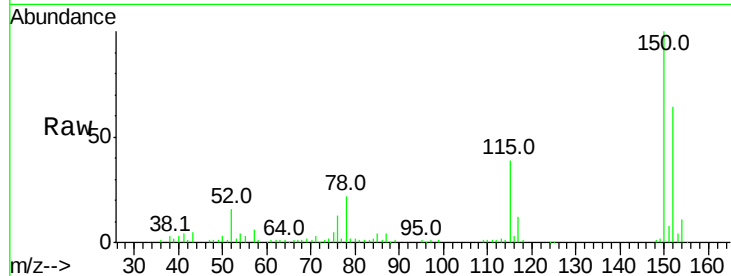
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.71 min Scan# 981
Delta R.T. -0.02 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Instrument :
BNA_F
ClientSampleId :
HY-SB409-GW

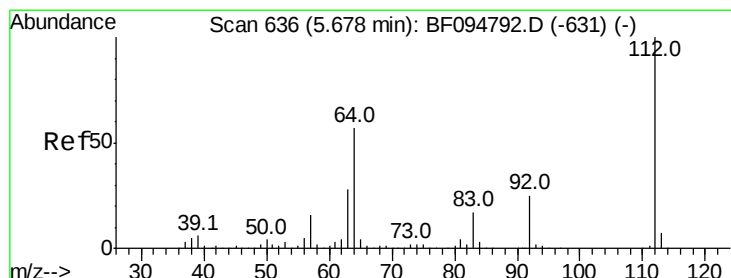
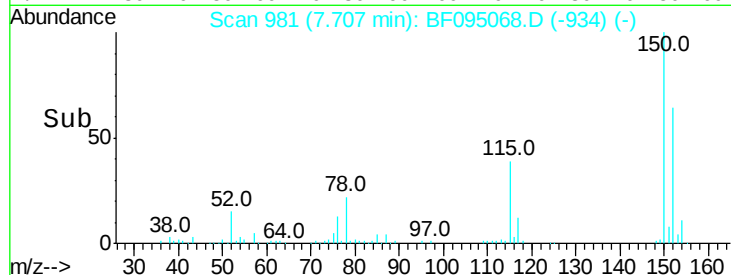
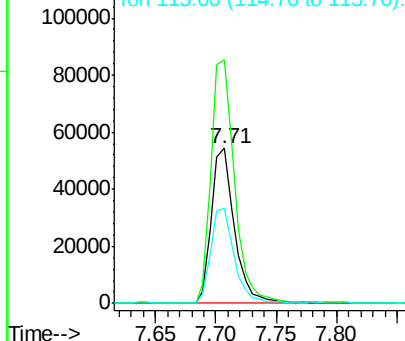
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	126.2	189.2
115	61.6	52.2	78.2

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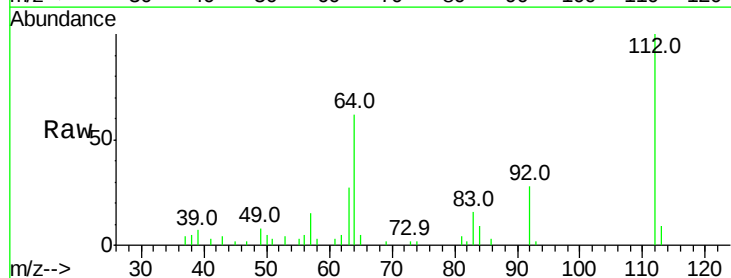
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



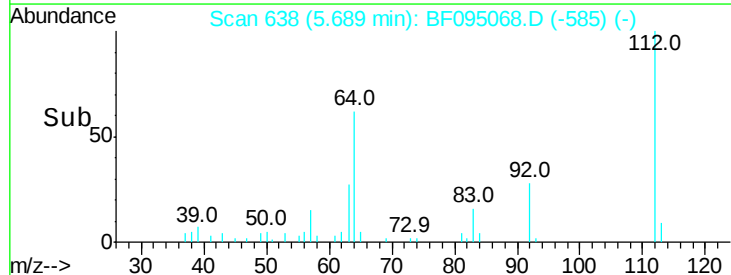
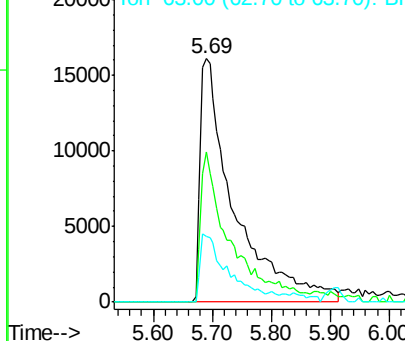
#5

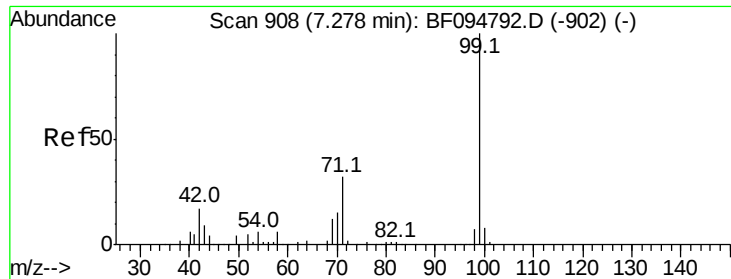
2-Fluorophenol
Concen: 15.01 ng
RT: 5.69 min Scan# 638
Delta R.T. 0.01 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.6	46.0	69.0
63	27.0	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: 9.87 ng

RT: 7.31 min Scan# 913

Delta R.T. 0.03 min

Lab File: BF095068.D

Acq: 10 May 2017 21:42

Instrument :

BNA_F

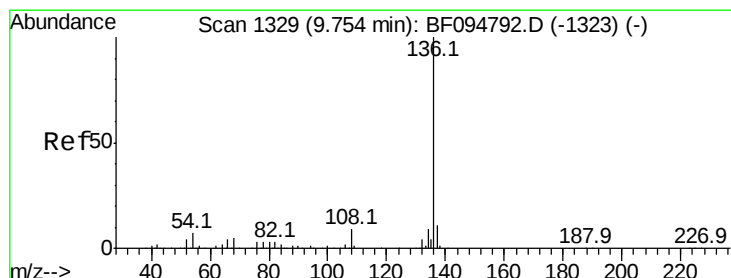
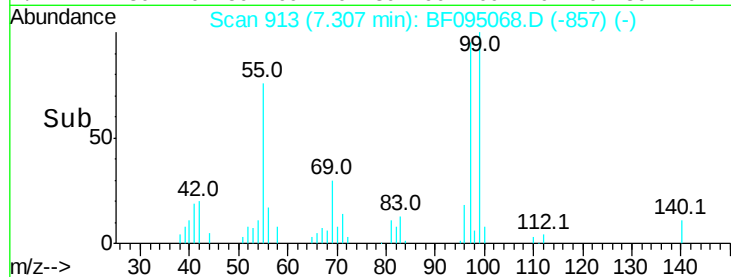
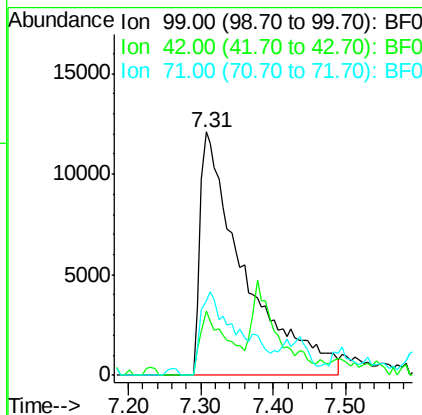
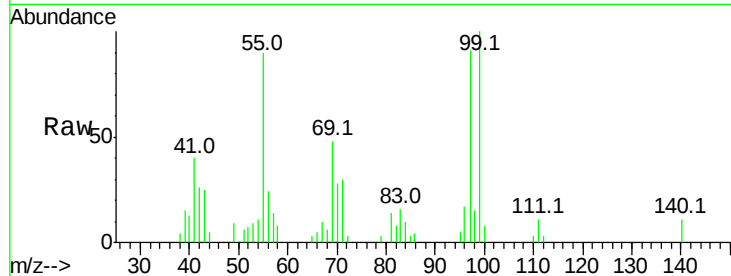
ClientSampleId :

HY-SB409-GW

Tot Ion:	99	Resp:	51039
Ion Ratio	Lower	Upper	
99	100		
42	26.3	13.5	20.3#
71	30.4	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

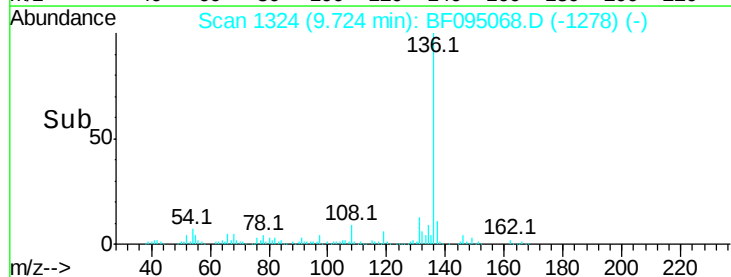
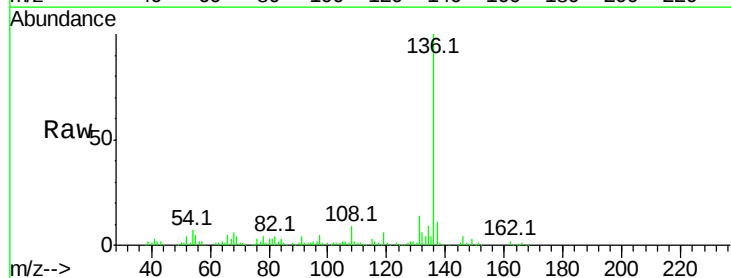
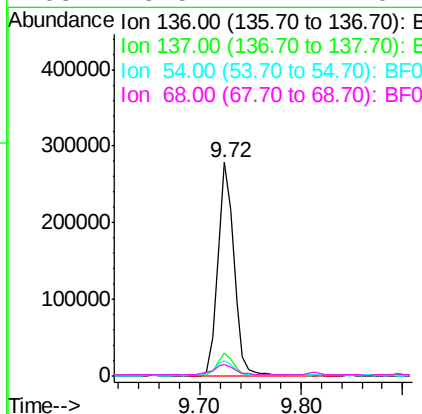
RT: 9.72 min Scan# 1324

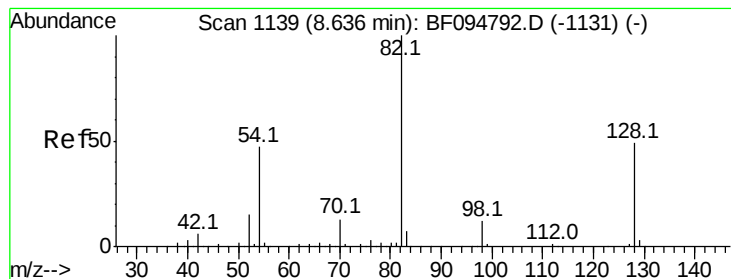
Delta R.T. -0.03 min

Lab File: BF095068.D

Acq: 10 May 2017 21:42

Tgt Ion:	136	Resp:	310716
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.5	12.7
54	7.2	4.9	7.3
68	5.5	4.1	6.1





#23

Nitrobenzene-d5

Concen: 18.82 ng

RT: 8.61 min Scan# 1134

Delta R.T. -0.03 min

Lab File: BF095068.D

Acq: 10 May 2017 21:42

Instrument :

BNA_F

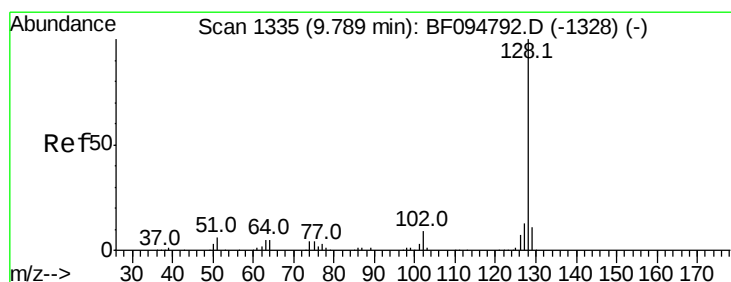
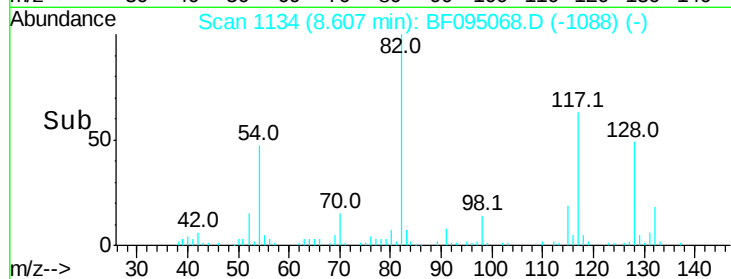
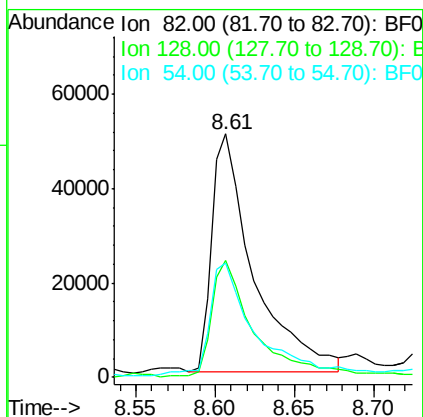
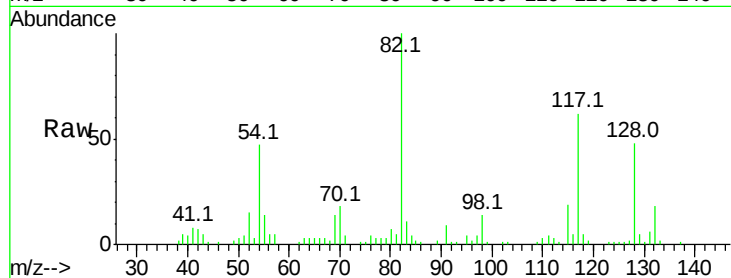
ClientSampleId :

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Tot Ion	82	Resp:	92758
Ion	Ratio	Lower	Upper
82	100		
128	47.9	34.0	51.0
54	46.8	42.2	63.2

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#31

Naphthalene

Concen: 12.79 ng

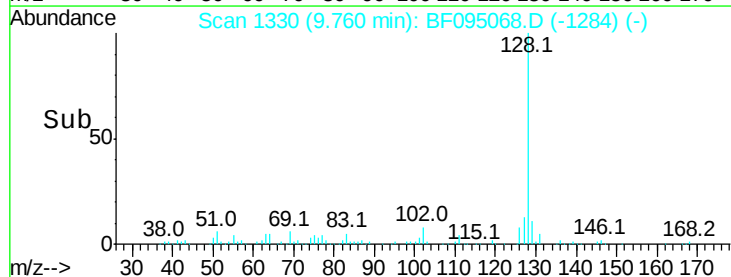
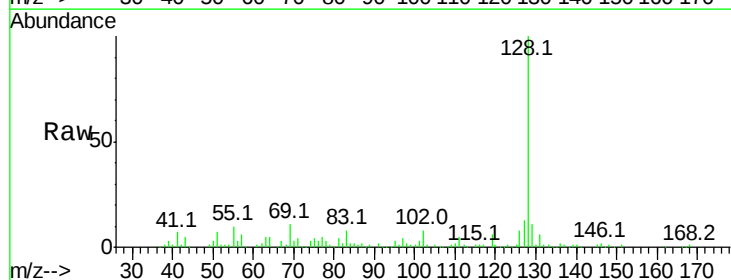
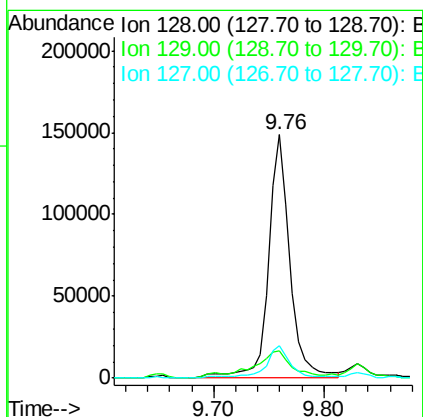
RT: 9.76 min Scan# 1330

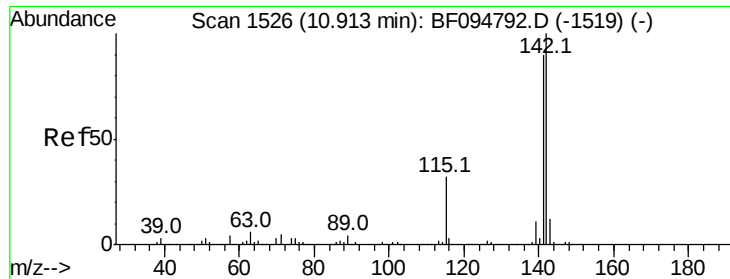
Delta R.T. -0.03 min

Lab File: BF095068.D

Acq: 10 May 2017 21:42

Tgt Ion	128	Resp:	199696
Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.6
127	13.1	10.8	16.2





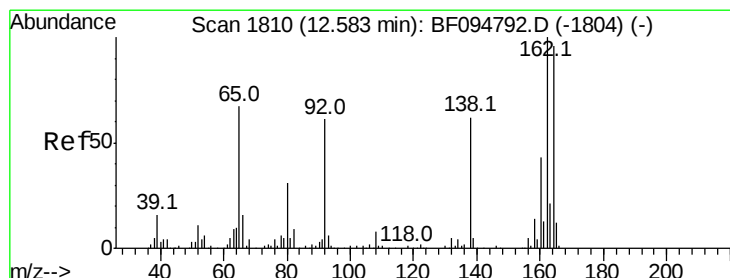
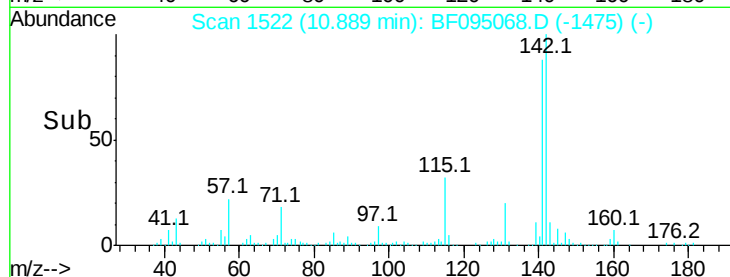
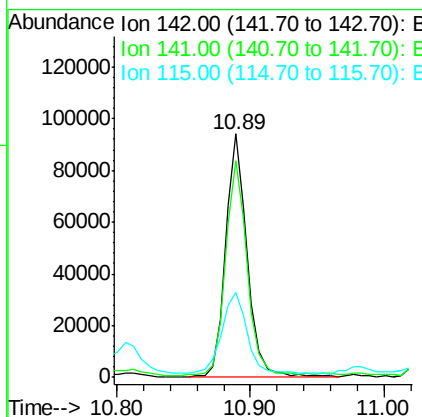
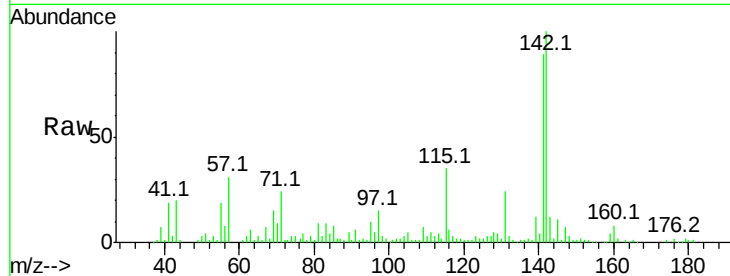
#37
2-Methylnaphthalene
Concen: 10.49 ng
RT: 10.89 min Scan# 1522
Delta R.T. -0.02 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Instrument :
BNA_F
ClientSampleId :
HY-SB409-GW

Tot Ion	Ratio	Resp	Lower	Upper
142	100	107516		
141	88.9	71.3	106.9	
115	34.8	27.1	40.7	

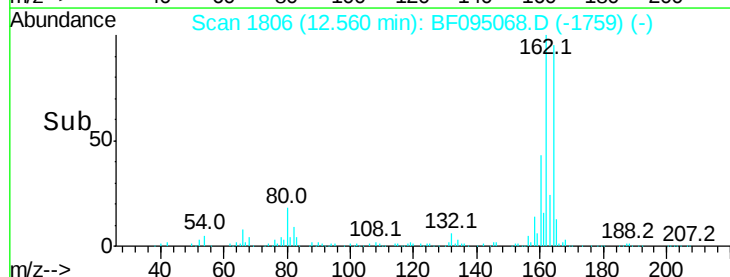
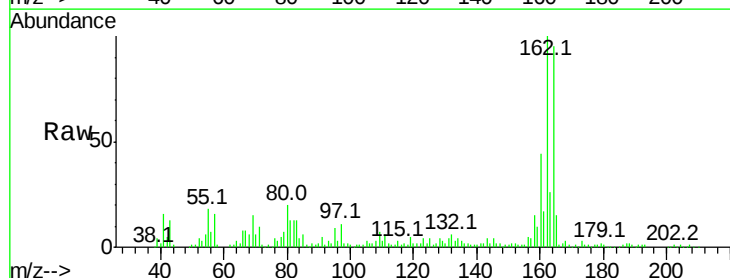
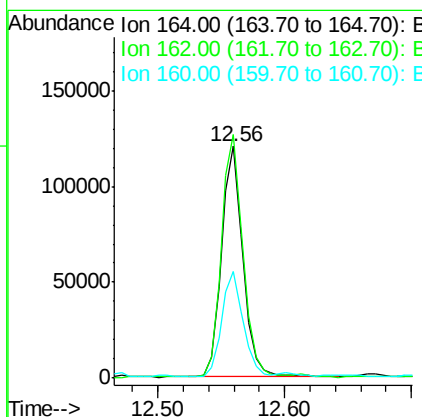
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.56 min Scan# 1806
Delta R.T. -0.02 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	141097		
162	104.9	82.6	123.8	
160	45.9	36.2	54.2	





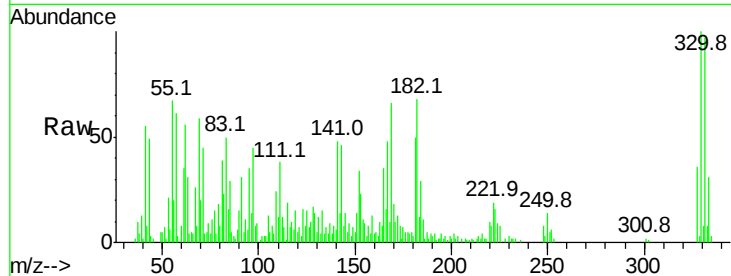
#41
 2,4,6-Tribromophenol
 Concen: 33.16 ng
 RT: 13.87 min Scan# 2028
 Delta R.T. -0.02 min
 Lab File: BF095068.D
 Acq: 10 May 2017 21:42

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB409-GW

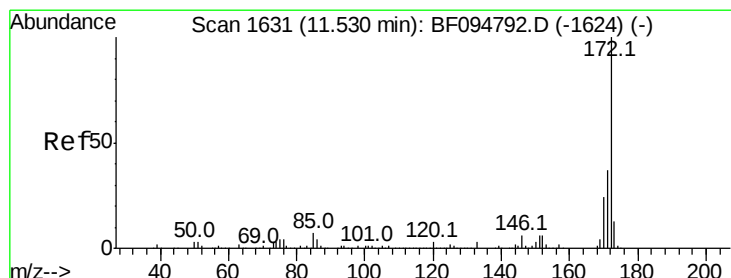
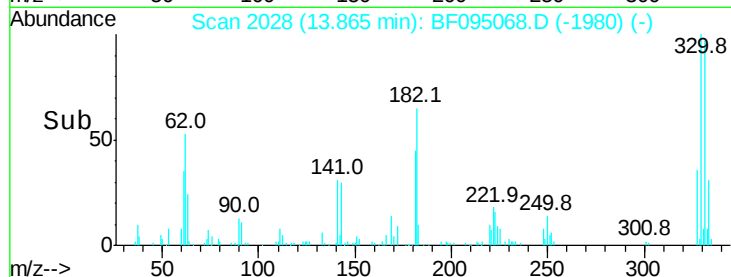
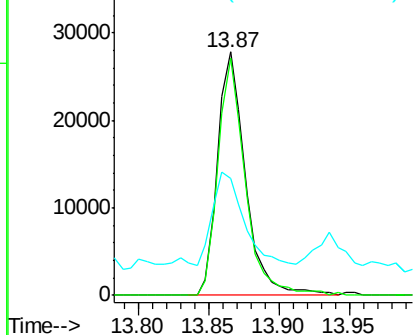
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.6	76.6	115.0	
141	45.2	31.4	47.2	

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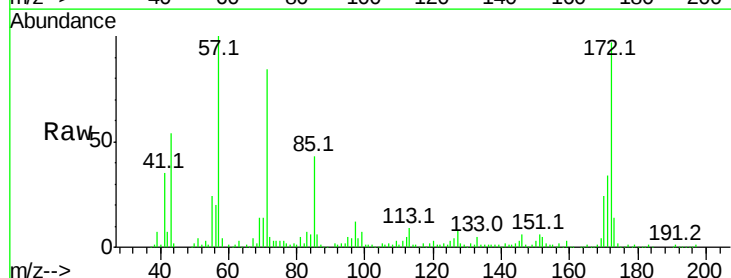


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

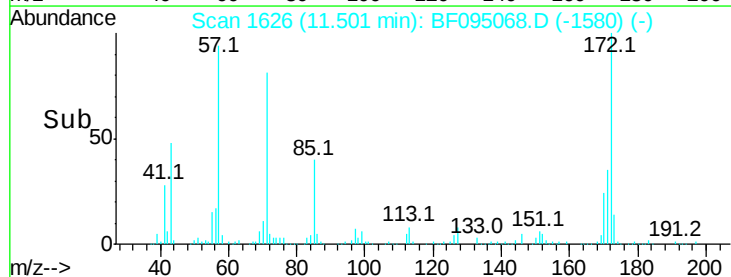
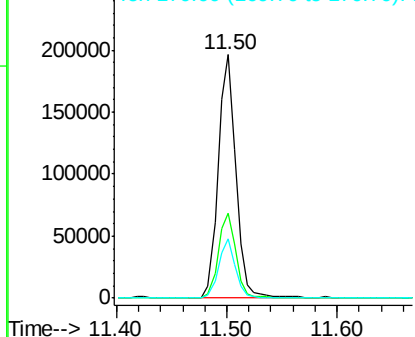


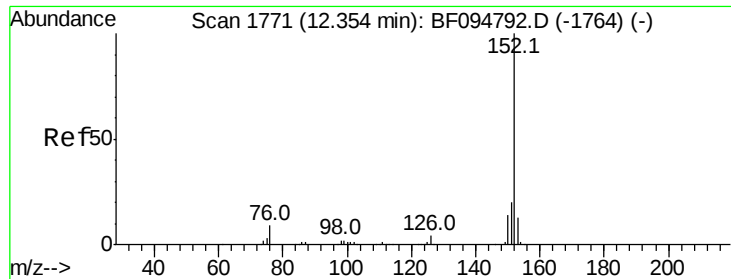
#44
 2-Fluorobiphenyl
 Concen: 22.43 ng
 RT: 11.50 min Scan# 1626
 Delta R.T. -0.03 min
 Lab File: BF095068.D
 Acq: 10 May 2017 21:42

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.7	29.6	44.4	
170	24.2	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





#48

Acenaphthylene

Concen: 3.88 ng

RT: 12.33 min Scan# 1767

Delta R.T. -0.02 min

Lab File: BF095068.D

Acq: 10 May 2017 21:42

Instrument :

BNA_F

ClientSampled :

HY-SB409-GW

Tot Ion:152 Resp: 58276

Ion Ratio Lower Upper

152 100

151 23.7 16.8 25.2

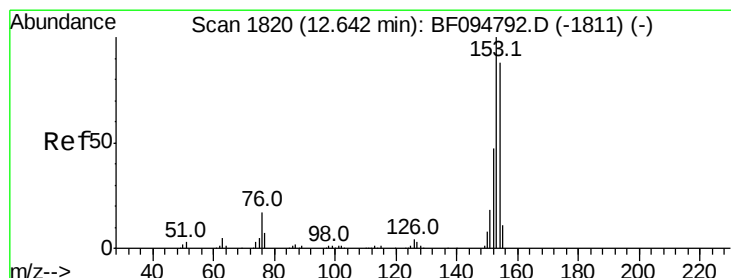
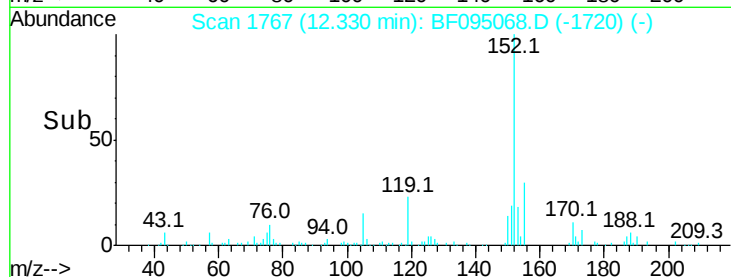
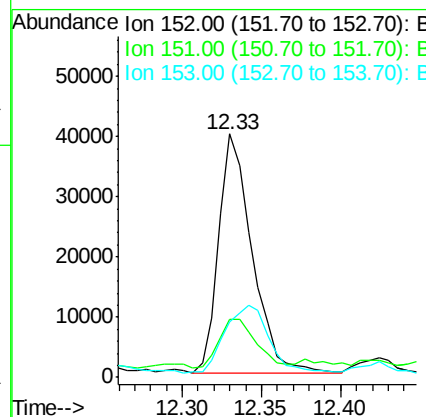
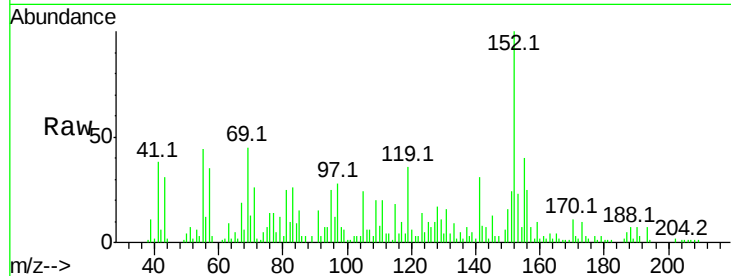
153 23.0 10.8 16.2#

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#51

Acenaphthene

Concen: 11.33 ng

RT: 12.61 min Scan# 1815

Delta R.T. -0.03 min

Lab File: BF095068.D

Acq: 10 May 2017 21:42

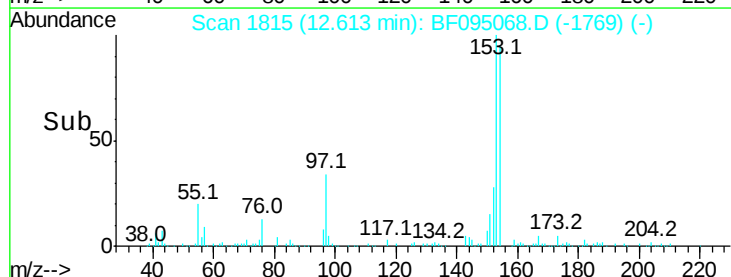
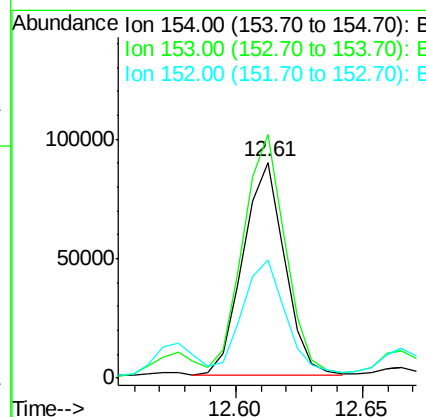
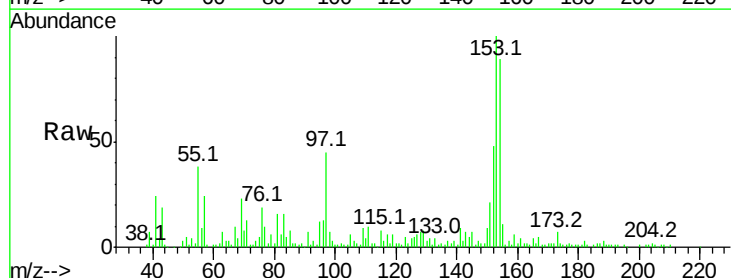
Tgt Ion:154 Resp: 101686

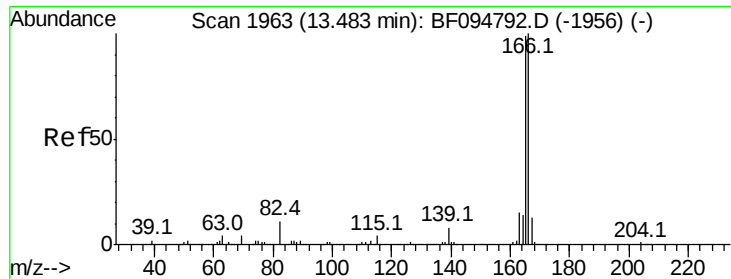
Ion Ratio Lower Upper

154 100

153 112.9 90.5 135.7

152 54.5 43.6 65.4





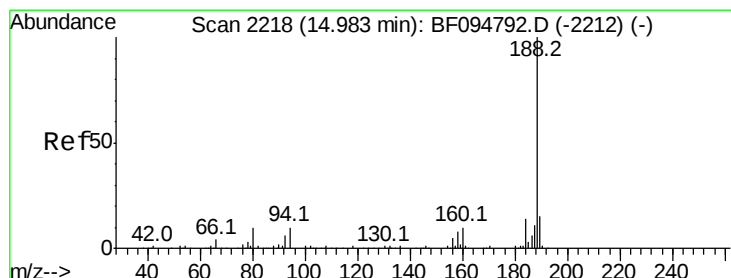
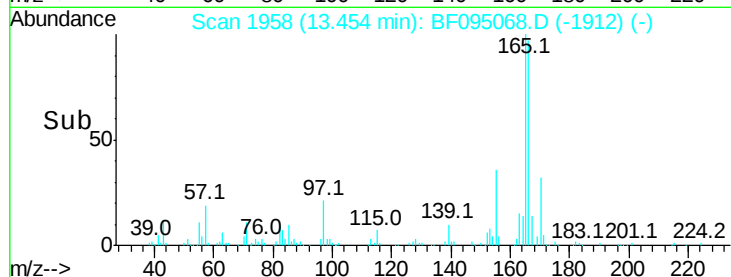
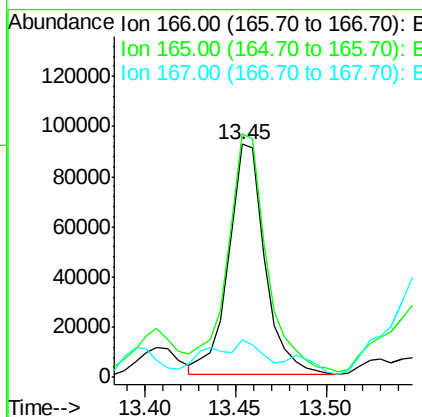
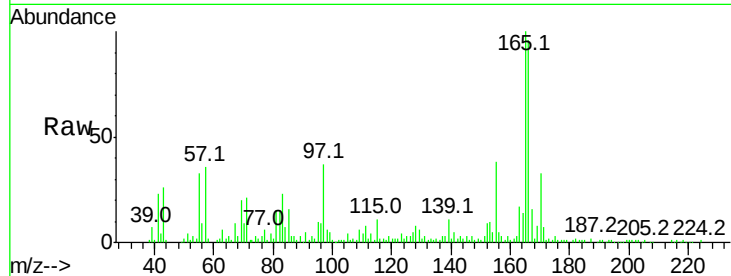
#57
Fluorene
 Concen: 11.77 ng
 RT: 13.45 min Scan# 1958
 Delta R.T. -0.03 min
 Lab File: BF095068.D
 Acq: 10 May 2017 21:42

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB409-GW

Tot Ion	Ratio	Lower	Upper
166	100		
165	104.5	78.8	118.2
167	16.3	10.6	16.0

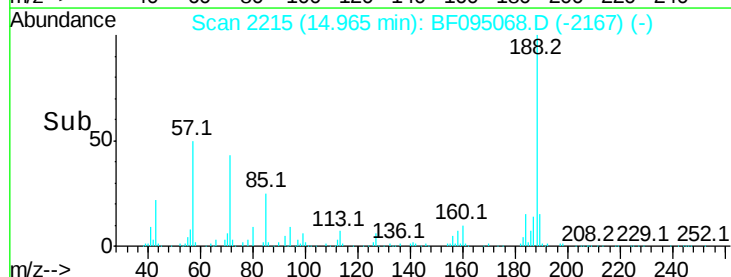
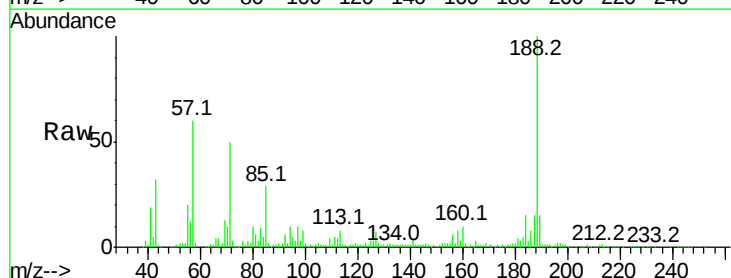
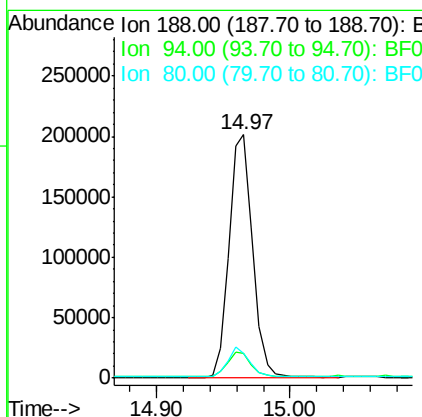
Manual Integrations
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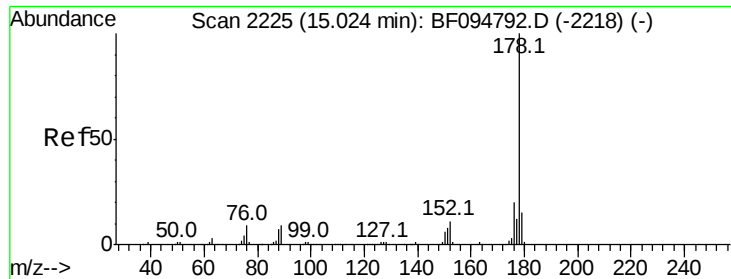
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.97 min Scan# 2215
 Delta R.T. -0.02 min
 Lab File: BF095068.D
 Acq: 10 May 2017 21:42

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





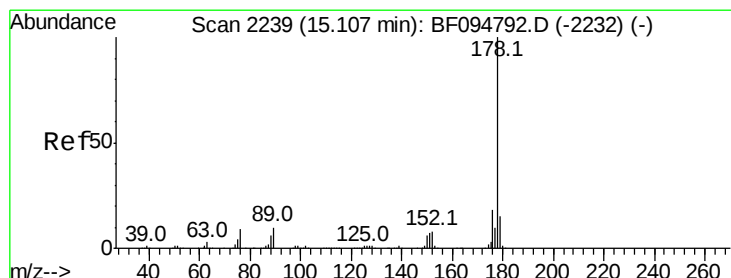
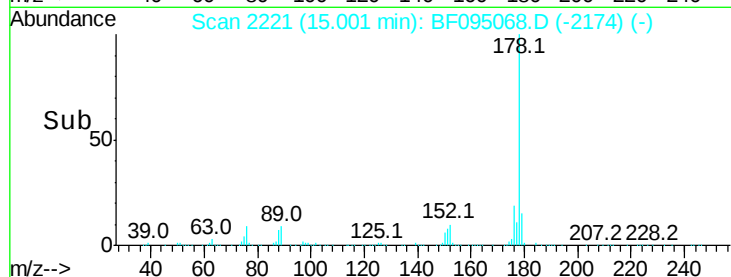
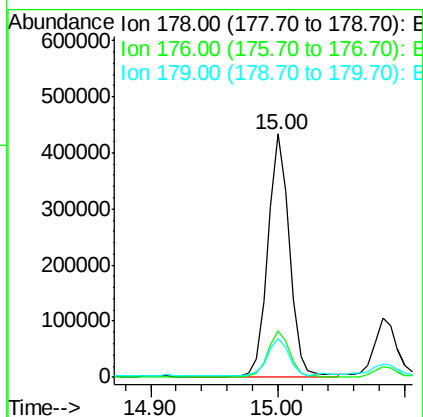
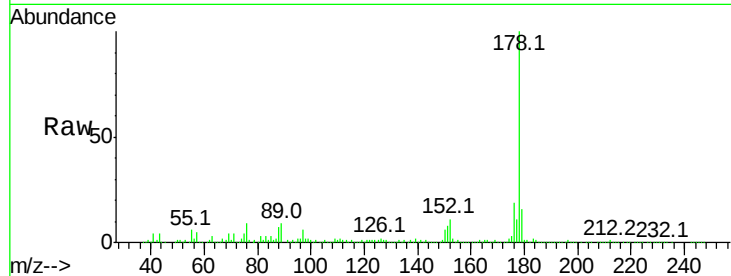
#70
Phenanthrene
Concen: 35.19 ng
RT: 15.00 min Scan# 2221
Delta R.T. -0.02 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Instrument :
BNA_F
ClientSampleId :
HY-SB409-GW

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.2	24.4
179	15.7	12.6	19.0

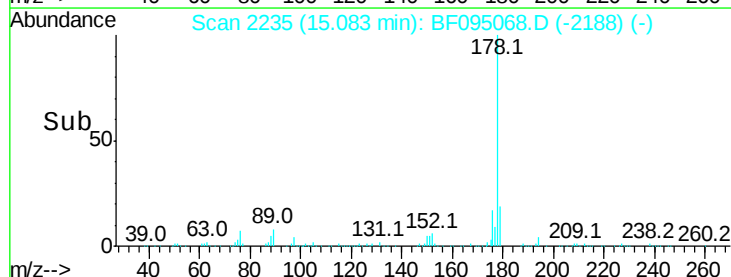
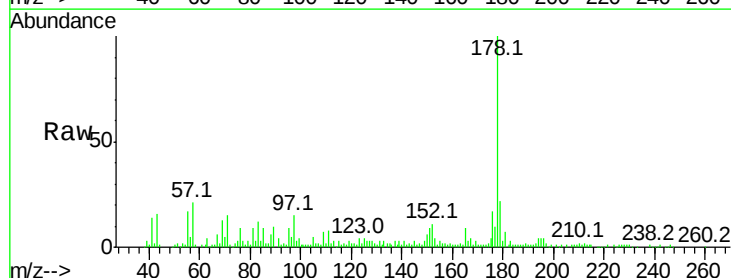
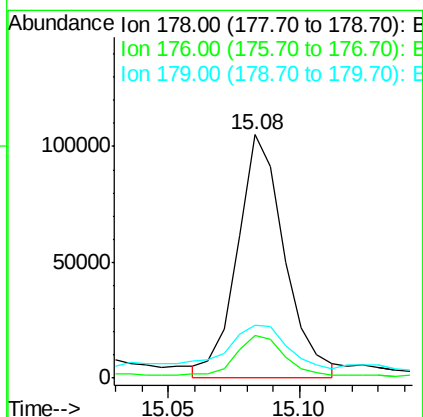
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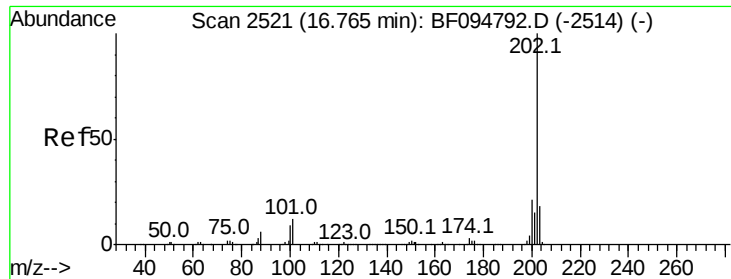
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#71
Anthracene
Concen: 8.95 ng m
RT: 15.08 min Scan# 2235
Delta R.T. -0.02 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.8	23.8
179	21.7	12.7	19.1#





#74

Fluoranthene

Concen: 10.53 ng

RT: 16.74 min Scan# 2517

Delta R.T. -0.02 min

Lab File: BF095068.D

Acq: 10 May 2017 21:42

Instrument :

BNA_F

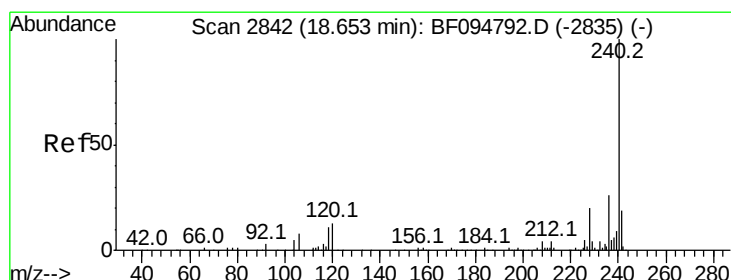
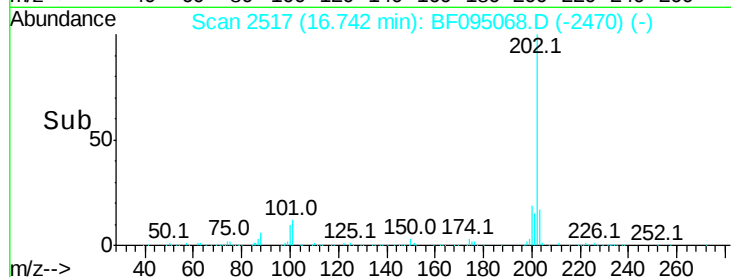
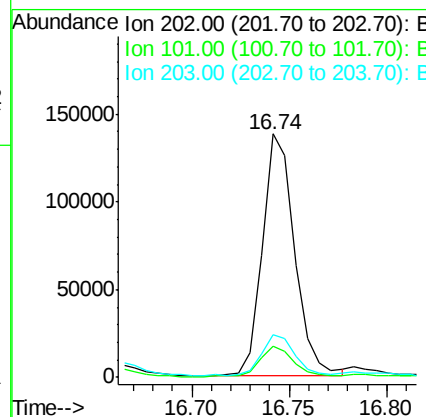
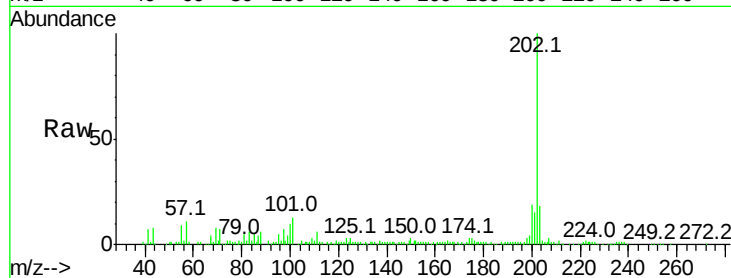
ClientSampleId :

HY-SB409-GW

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.6	0.0	33.2
203	17.7	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

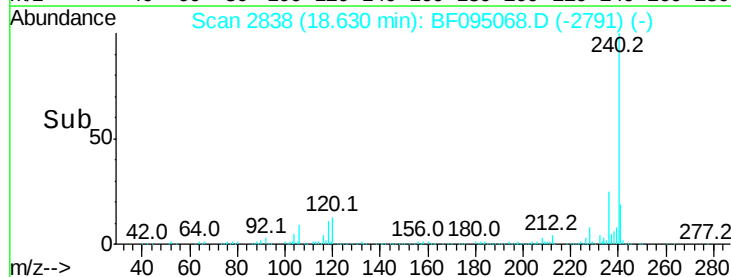
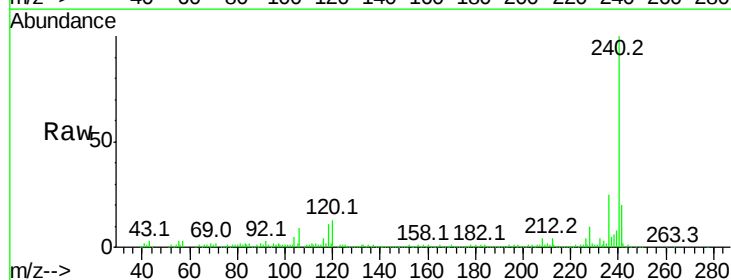
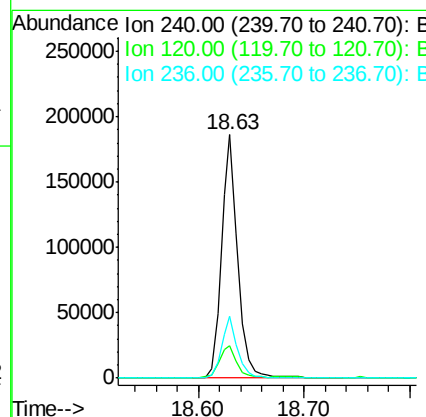
RT: 18.63 min Scan# 2838

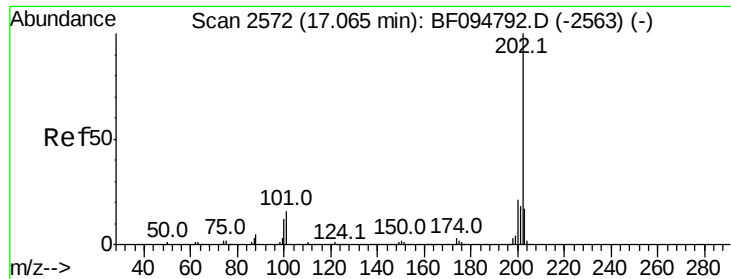
Delta R.T. -0.02 min

Lab File: BF095068.D

Acq: 10 May 2017 21:42

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.5	5.8	8.8#
236	25.5	20.5	30.7





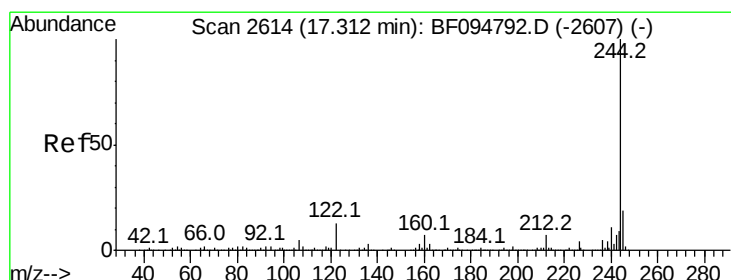
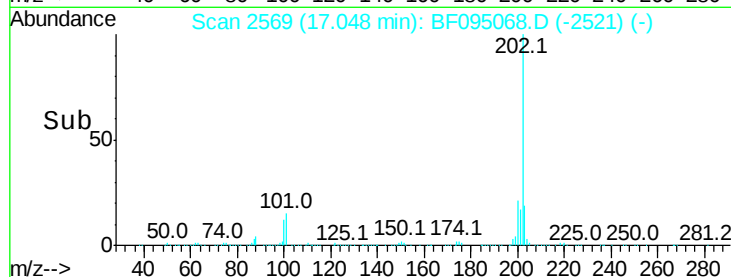
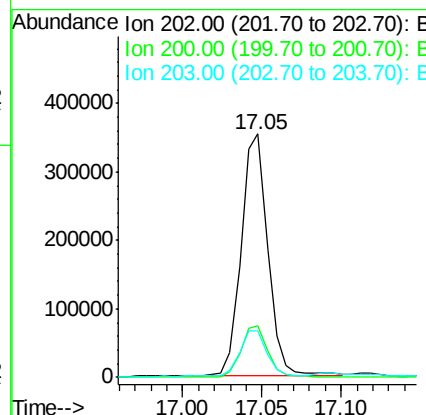
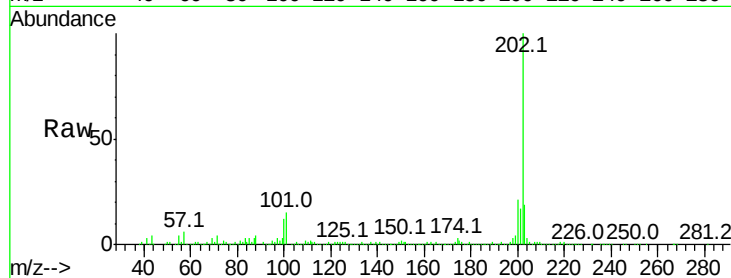
#77
Pvrene
Concen: 27.41 ng
RT: 17.05 min Scan# 2569
Delta R.T. -0.02 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Instrument :
BNA_F
ClientSampleId :
HY-SB409-GW

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.4	17.6	26.4
203	19.0	14.4	21.6

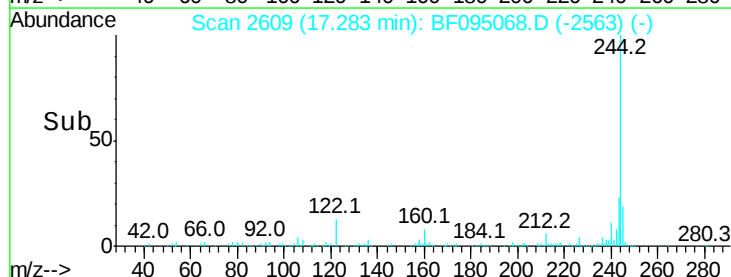
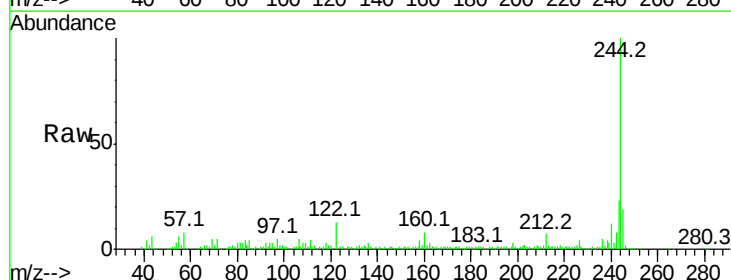
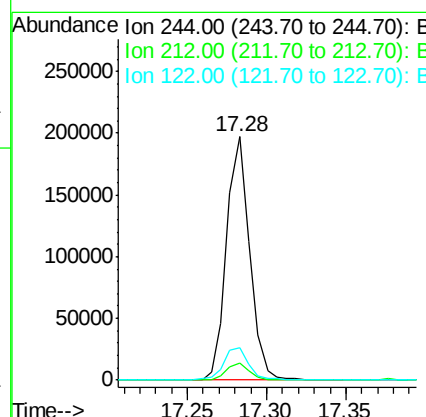
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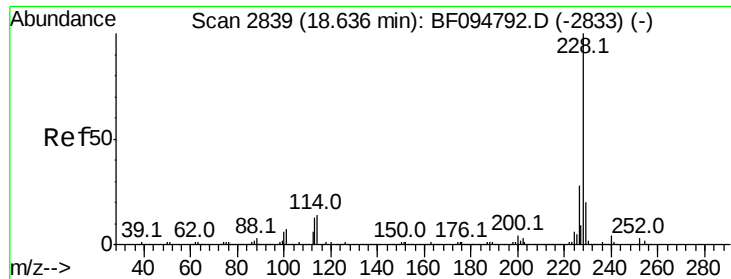
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#78
Terphenyl-d14
Concen: 21.92 ng
RT: 17.28 min Scan# 2609
Delta R.T. -0.03 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.8	6.0	9.0
122	13.4	10.3	15.5





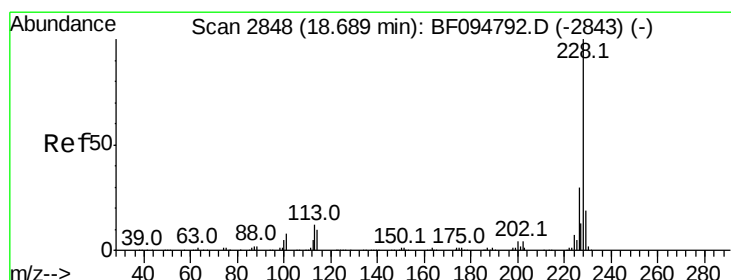
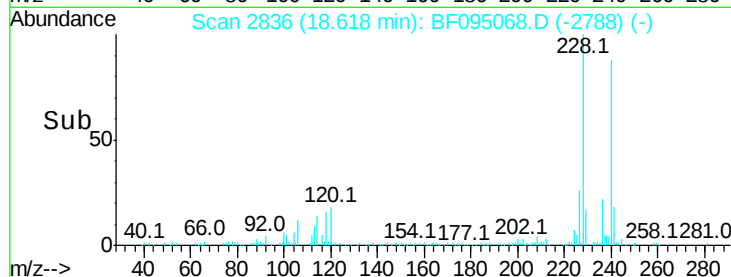
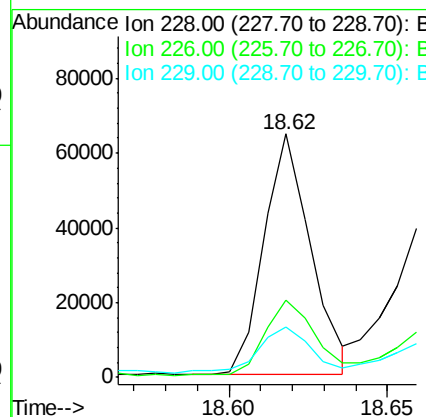
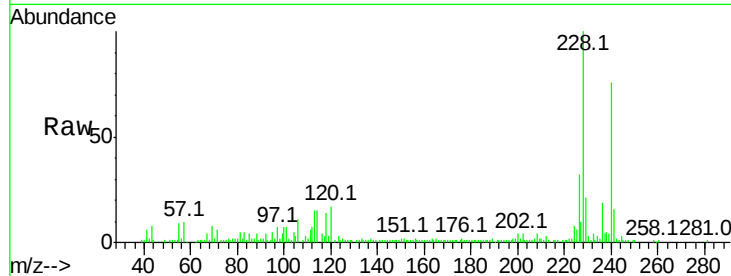
#80
Benzo(a)anthracene
Concen: 5.66 ng
RT: 18.62 min Scan# 2836
Delta R.T. -0.02 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Instrument :
BNA_F
ClientSampleId :
HY-SB409-GW

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.6	22.6	33.8
229	20.6	16.3	24.5

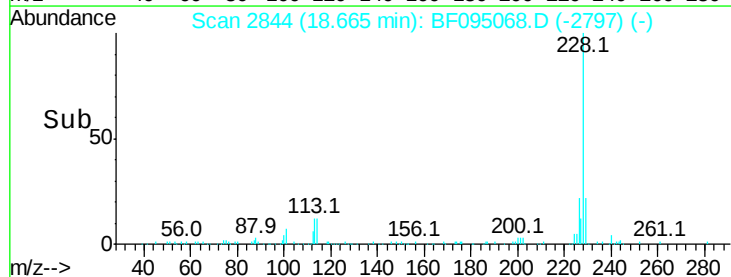
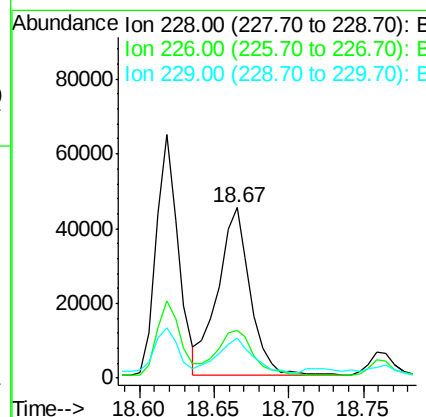
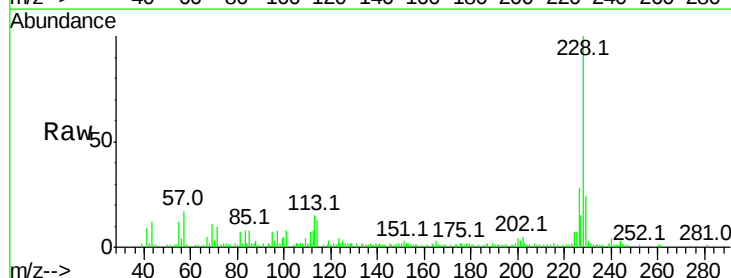
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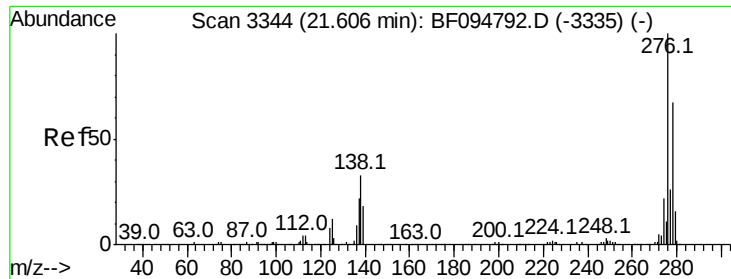
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#82
Chrysene
Concen: 6.10 ng
RT: 18.67 min Scan# 2844
Delta R.T. -0.02 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	24.9	37.3
229	23.5	15.8	23.6





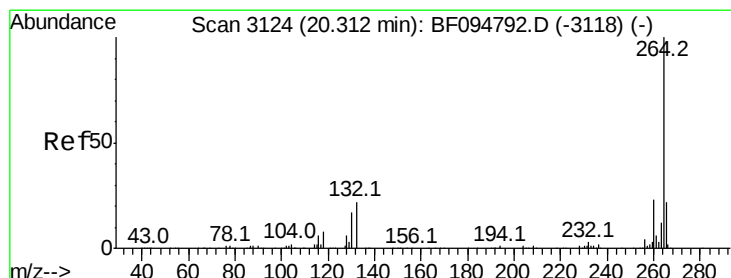
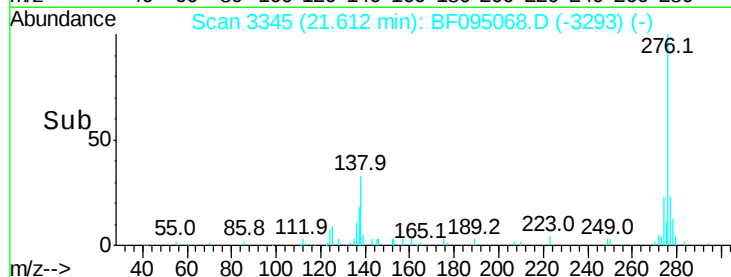
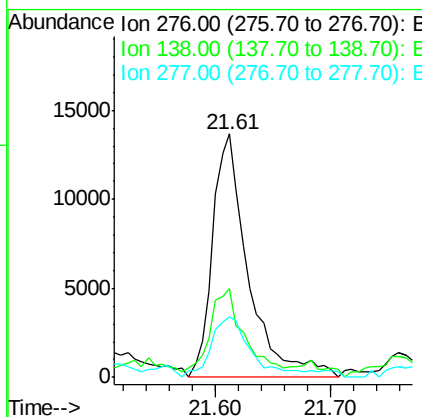
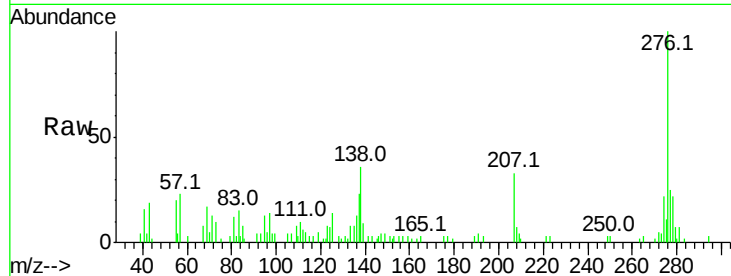
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.18 ng
RT: 21.61 min Scan# 3345
Delta R.T. 0.01 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Instrument :
BNA_F
ClientSampleId :
HY-SB409-GW

Tot Ion	Ratio	Lower	Upper
276	100		
138	31.0	27.8	41.6
277	27.8	20.2	30.4

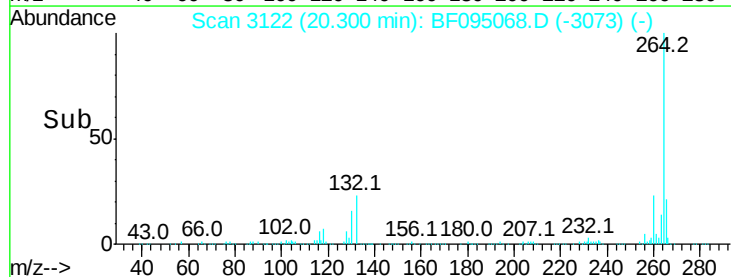
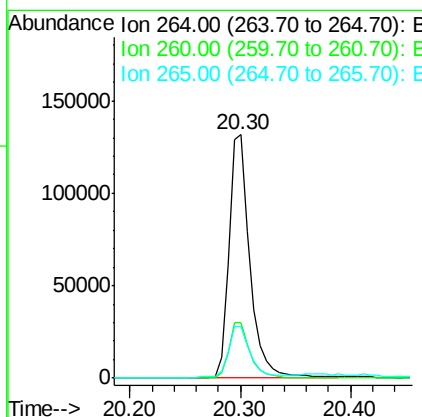
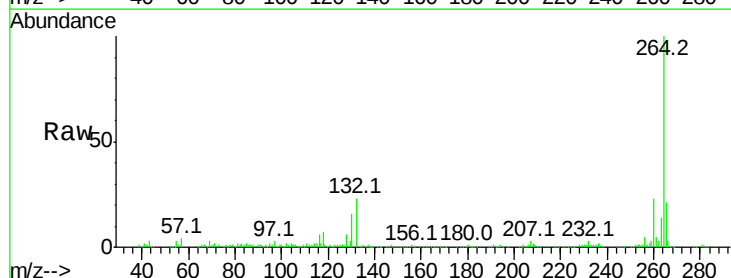
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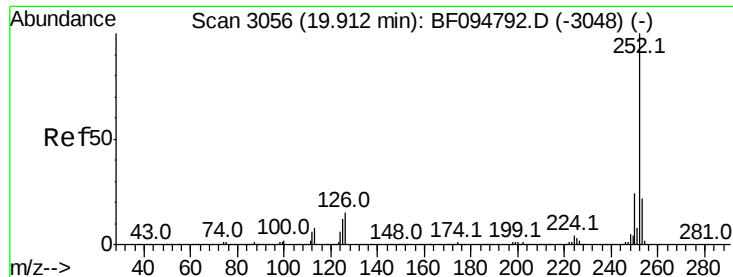
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#86
Perylene-d12
Concen: 20.00 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.5	29.3
265	21.2	17.2	25.8





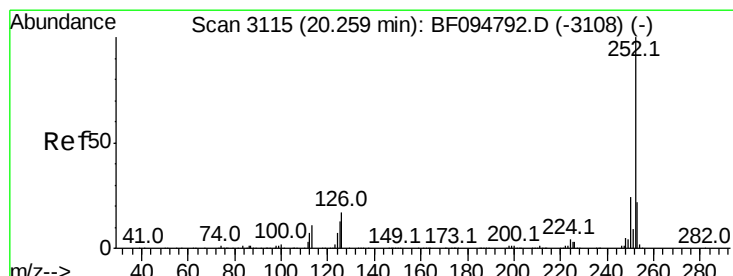
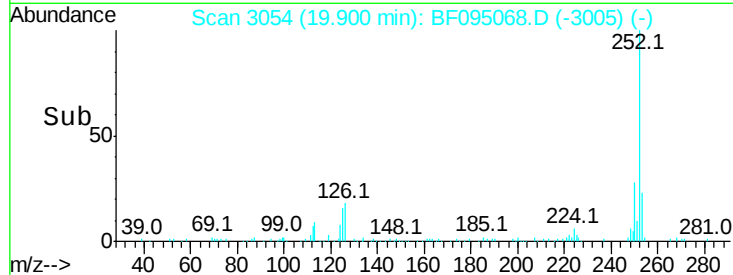
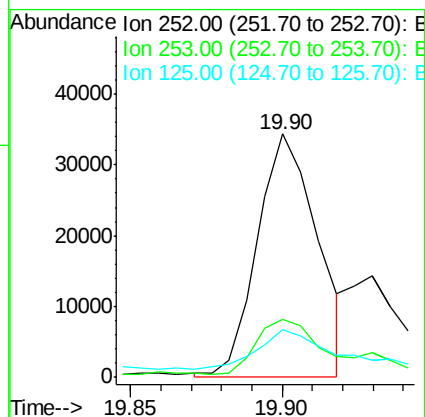
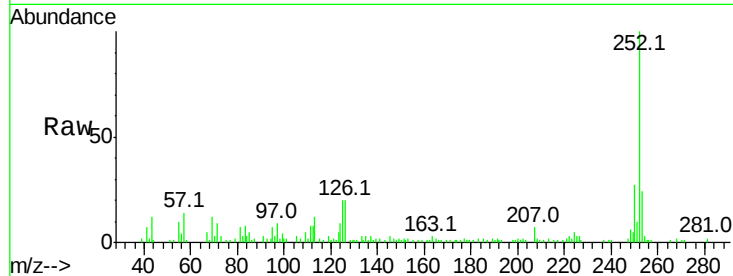
#87
Benzo(b)fluoranthene
Concen: 4.36 ng m
RT: 19.90 min Scan# 3054
Delta R.T. -0.01 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Instrument :
BNA_F
ClientSampleId :
HY-SB409-GW

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.1	27.1
125	19.8	9.8	14.8

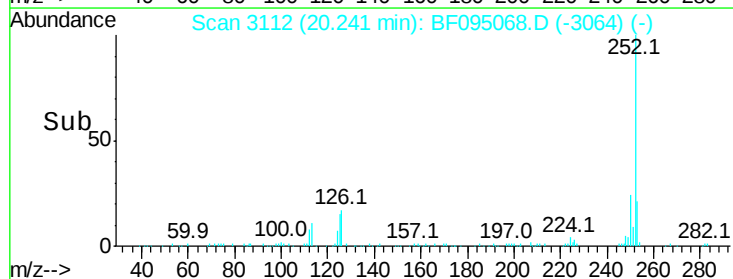
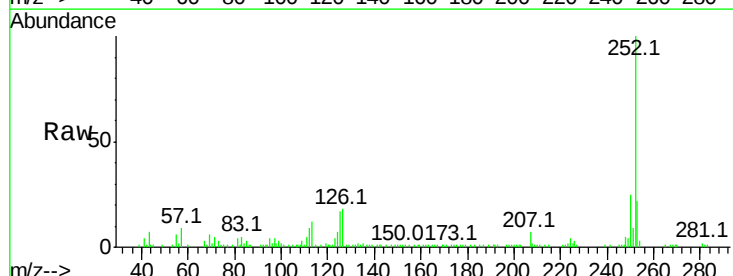
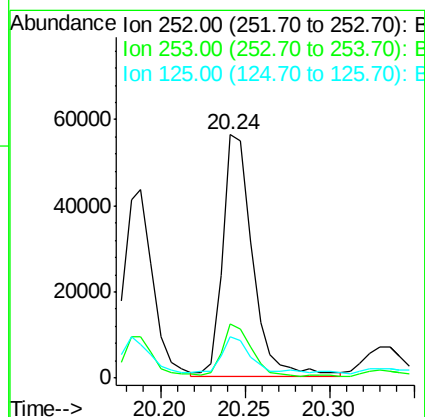
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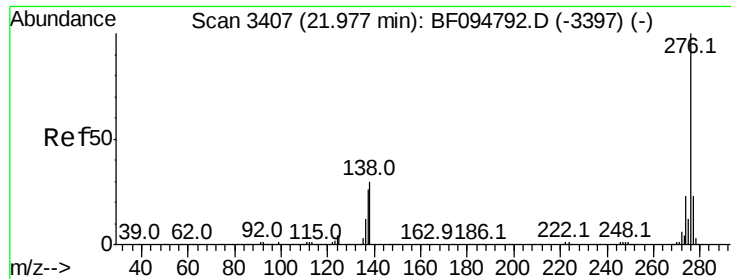
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#89
Benzo(a)pyrene
Concen: 6.98 ng
RT: 20.24 min Scan# 3112
Delta R.T. -0.02 min
Lab File: BF095068.D
Acq: 10 May 2017 21:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	17.0	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 5.21 ng
 RT: 21.98 min Scan# 3408
 Delta R.T. 0.01 min
 Lab File: BF095068.D
 Acq: 10 May 2017 21:42

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB409-GW

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.6	18.6	28.0
138	28.9	25.4	38.0

Manual Integrations
 APPROVED

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