

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051017\
 Data File : BF095070.D
 Acq On : 10 May 2017 22:46
 Operator : SJ/MA
 Sample : I3037-05 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB408A

Manual Integrations
 APPROVED

mohammad
 5/11/2017 2:25:36 PM

Quant Time: May 11 08:02:36 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	85883	20.00	ng	-0.02
21) Naphthalene-d8	9.72	136	362138	20.00	ng	-0.03
38) Acenaphthene-d10	12.55	164	163141	20.00	ng	-0.03
63) Phenanthrene-d10	14.96	188	261109	20.00	ng	-0.02
75) Chrysene-d12	18.63	240	235401	20.00	ng	-0.02
86) Perylene-d12	20.29	264	196369	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	40208	7.81	ng	0.03
7) Phenol-d6	7.31	99	47762	7.73	ng	0.04
23) Nitrobenzene-d5	8.62	82	34196	5.95	ng	-0.01
41) 2,4,6-Tribromophenol	13.87	330	11803	8.83	ng	-0.01
44) 2-Fluorobiphenyl	11.50	172	85817	7.57	ng	-0.03
78) Terphenyl-d14	17.28	244	81974	7.67	ng	-0.03
Target Compounds						Qvalue
70) Phenanthrene	15.00	178	43378	2.89	ng	95
74) Fluoranthene	16.75	202	52826	3.43	ng	95
77) Pyrene	17.04	202	127667	7.25	ng	97
80) Benzo(a)anthracene	18.62	228	32755m	2.39	ng	
82) Chrysene	18.67	228	39453	2.98	ng	96
87) Benzo(b)fluoranthene	19.91	252	25803m	2.13	ng	
89) Benzo(a)pyrene	20.25	252	37629	3.36	ng	97
91) Benzo(g,h,i)perylene	21.99	276	31226	3.44	ng	92

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

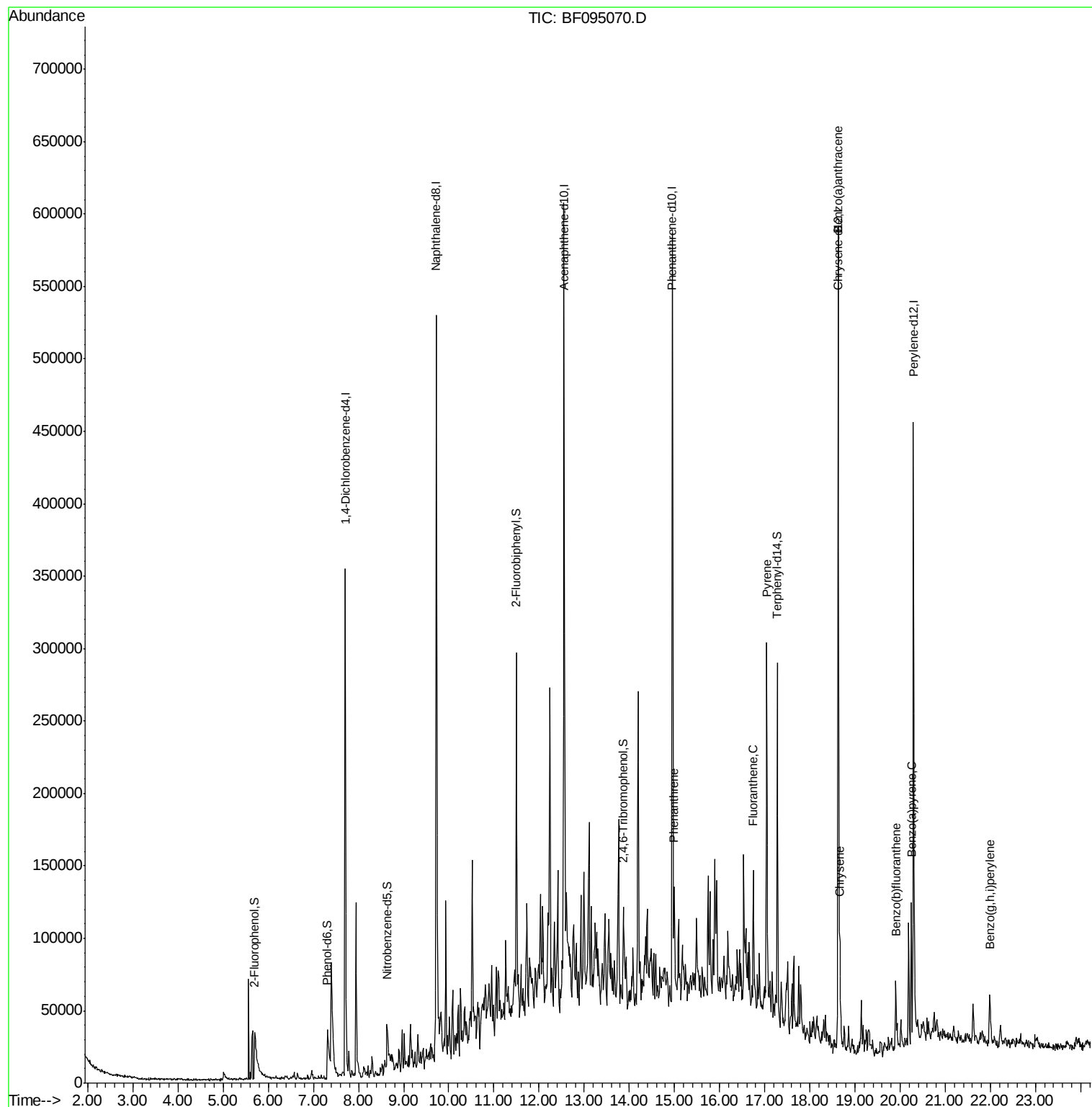
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051017\
Data File : BF095070.D
Acq On : 10 May 2017 22:46
Operator : SJ/MA
Sample : I3037-05 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 03 17:24:51 2017
Response via : Initial Calibration





#1

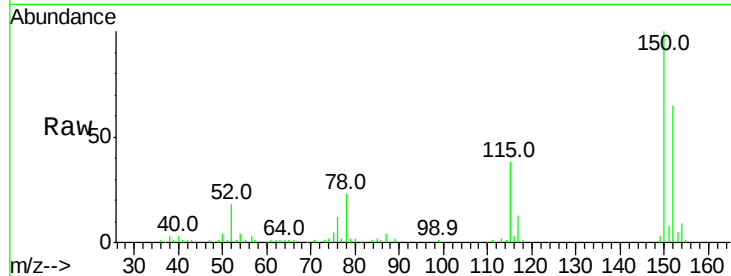
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.71 min Scan# 981
Delta R.T. -0.02 min
Lab File: BF095070.D
Acq: 10 May 2017 22:46

Instrument :
BNA_F
ClientSampleId :
HY-SB408A

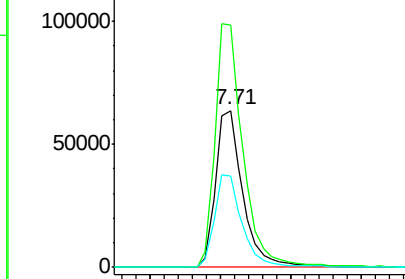
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	126.2	189.2
115	58.3	52.2	78.2

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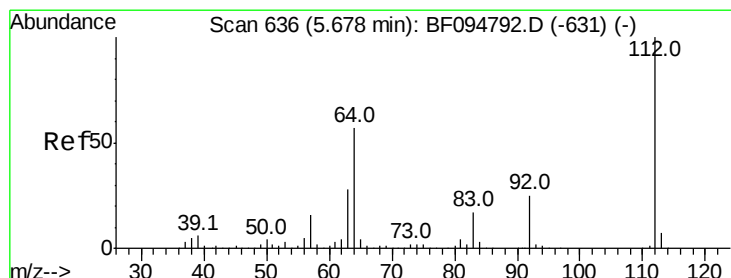
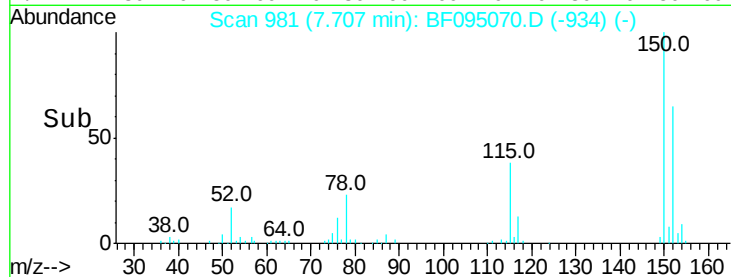
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



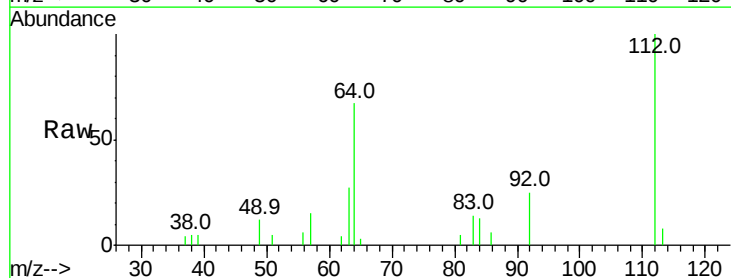
Time-->



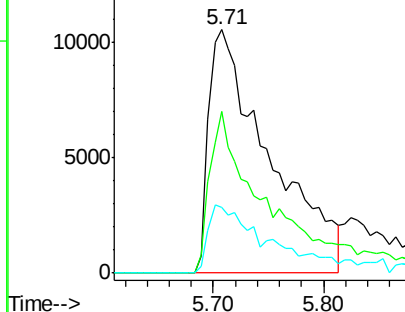
#5

2-Fluorophenol
Concen: 7.81 ng
RT: 5.71 min Scan# 641
Delta R.T. 0.03 min
Lab File: BF095070.D
Acq: 10 May 2017 22:46

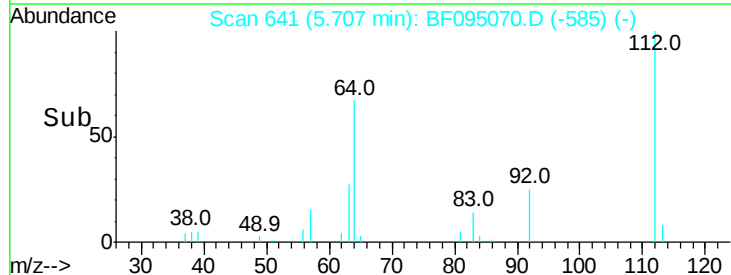
Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.7	46.0	69.0
63	27.2	23.4	35.0



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



Time-->





#7

Phenol-d6

Concen: 7.73 ng

RT: 7.31 min Scan# 914

Delta R.T. 0.04 min

Lab File: BF095070.D

Acq: 10 May 2017 22:46

Instrument :

BNA_F

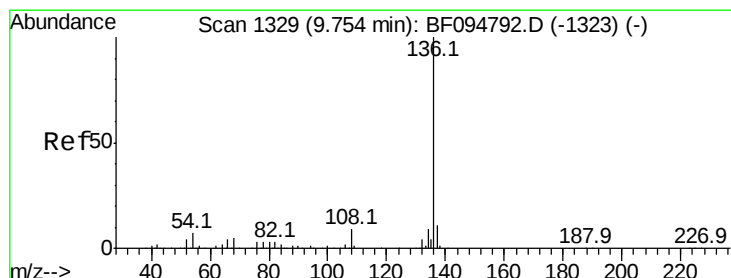
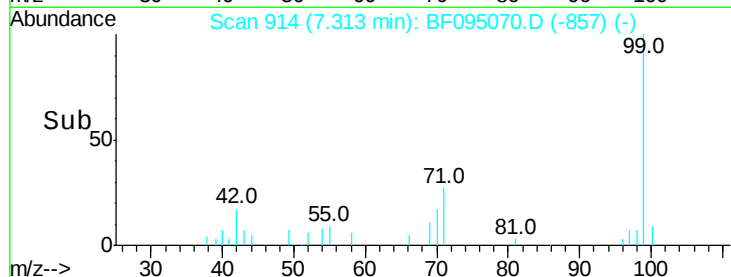
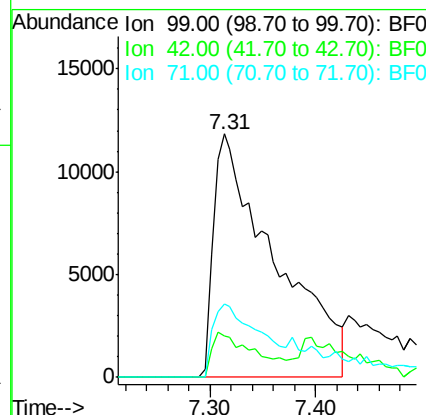
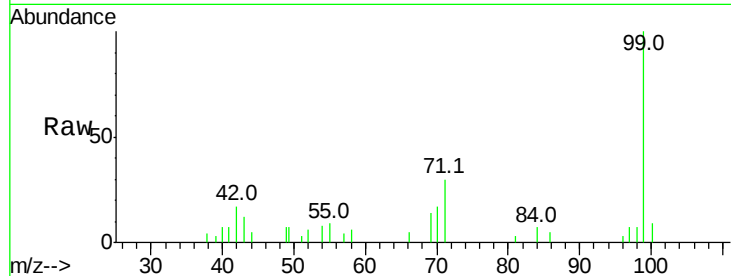
ClientSampleId :

HY-SB408A

Tot Ion:	99	Resp:	47762
Ion Ratio	Lower	Upper	
99	100		
42	17.0	13.5	20.3
71	30.2	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

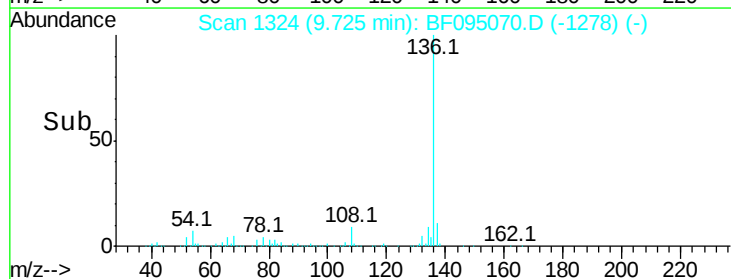
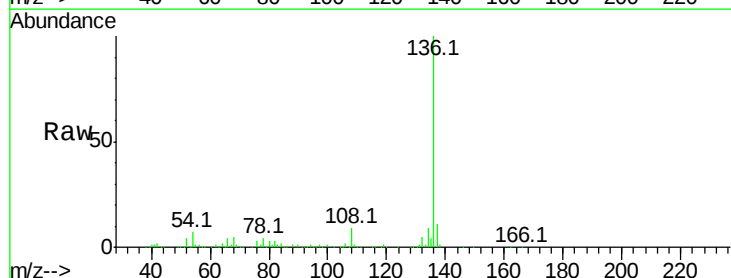
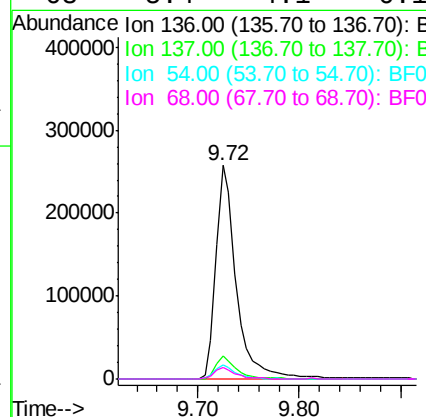
RT: 9.72 min Scan# 1324

Delta R.T. -0.03 min

Lab File: BF095070.D

Acq: 10 May 2017 22:46

Tgt Ion:	136	Resp:	362138
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.5	12.7
54	6.8	4.9	7.3
68	5.4	4.1	6.1





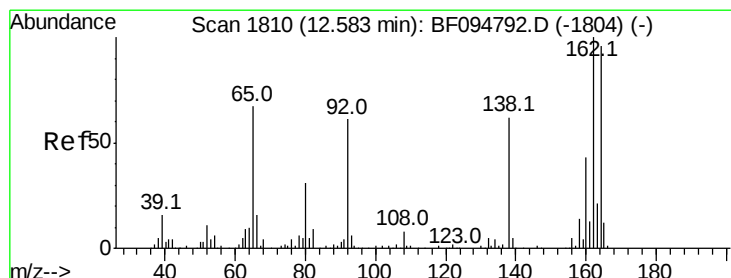
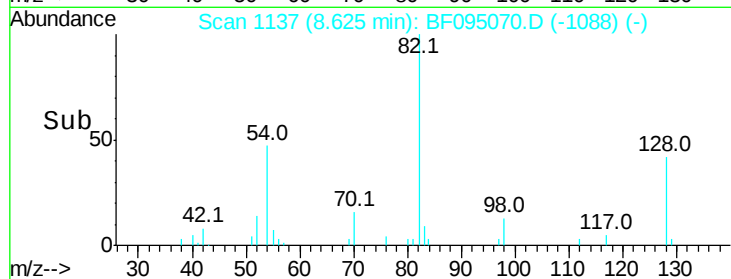
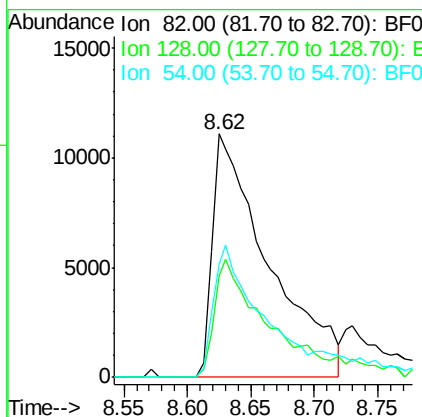
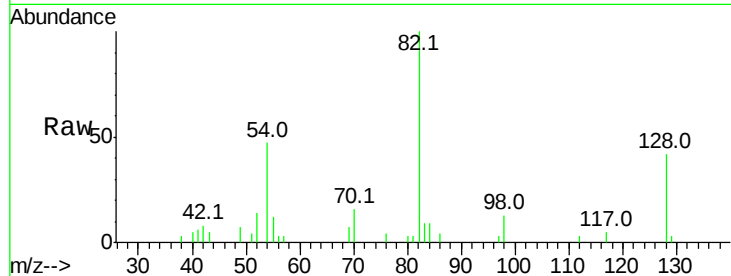
#23
 Nitrobenzene-d5
 Concen: 5.95 ng
 RT: 8.62 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: BF095070.D
 Acq: 10 May 2017 22:46

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB408A

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.6	34.0	51.0
54	46.6	42.2	63.2

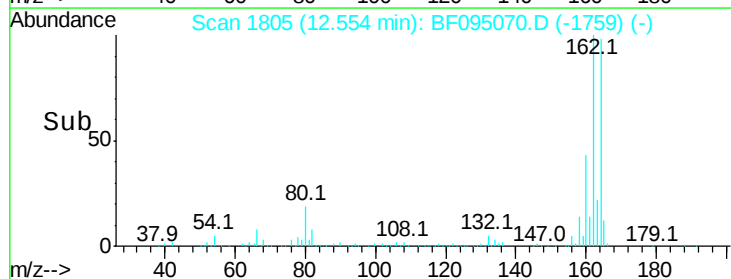
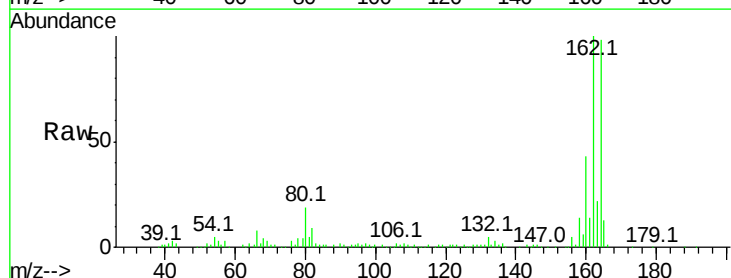
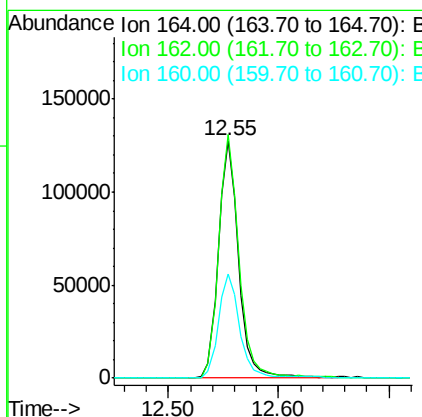
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.55 min Scan# 1805
 Delta R.T. -0.03 min
 Lab File: BF095070.D
 Acq: 10 May 2017 22:46

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.4	82.6	123.8
160	43.9	36.2	54.2





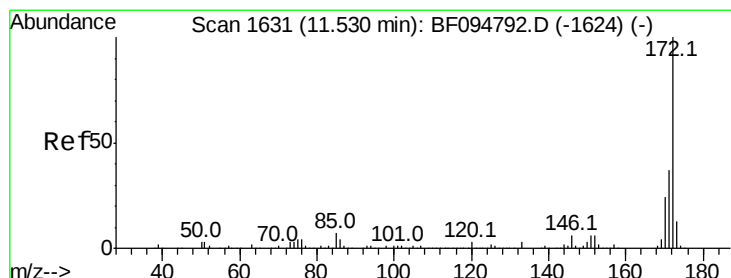
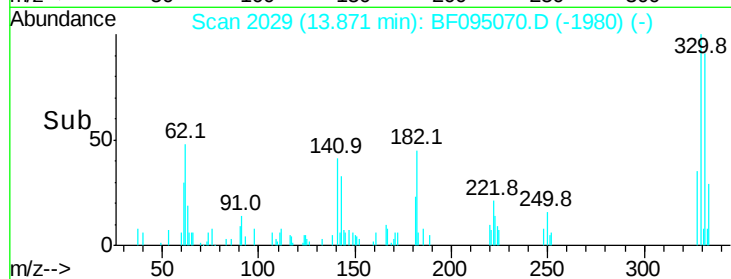
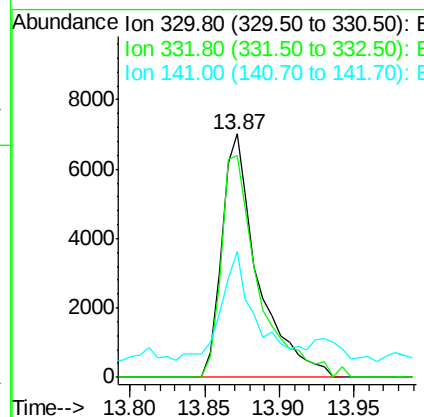
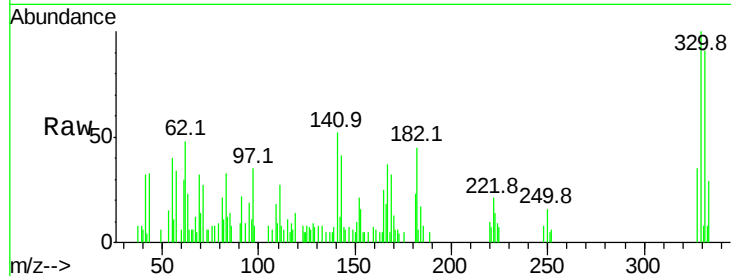
#41
 2,4,6-Tribromophenol
 Concen: 8.83 ng
 RT: 13.87 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF095070.D
 Acq: 10 May 2017 22:46

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB408A

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	76.6	115.0
141	50.5	31.4	47.2#

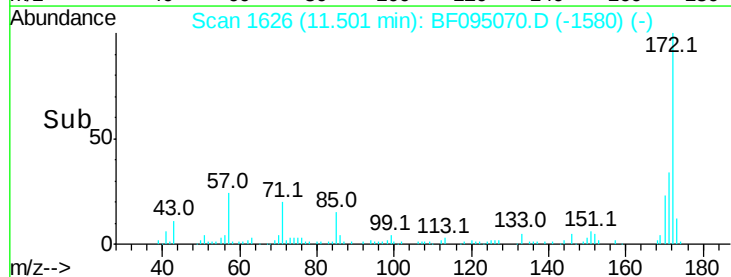
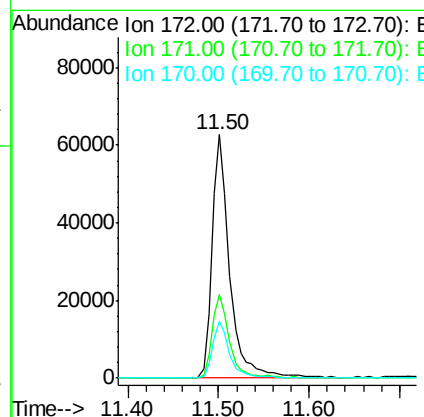
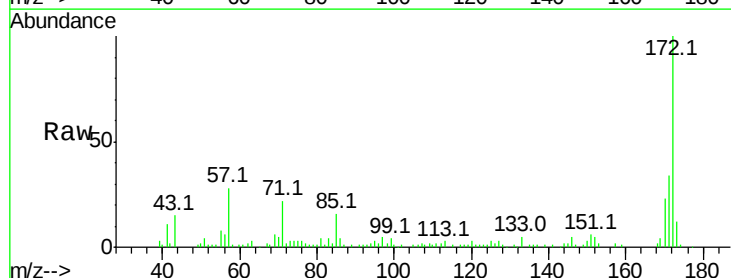
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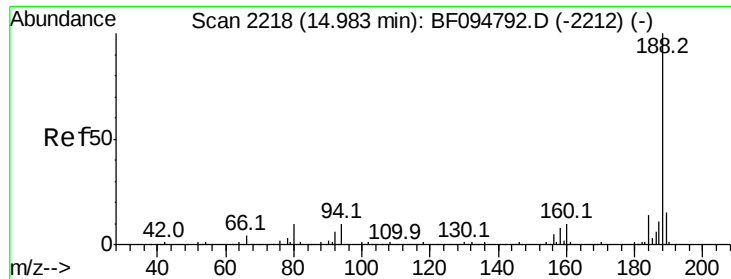
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#44
 2-Fluorobiphenyl
 Concen: 7.57 ng
 RT: 11.50 min Scan# 1626
 Delta R.T. -0.03 min
 Lab File: BF095070.D
 Acq: 10 May 2017 22:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.6	44.4
170	23.3	19.8	29.8





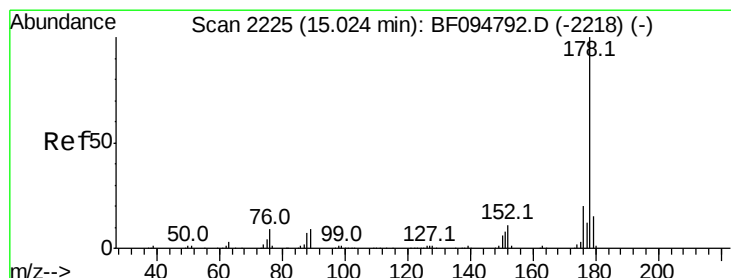
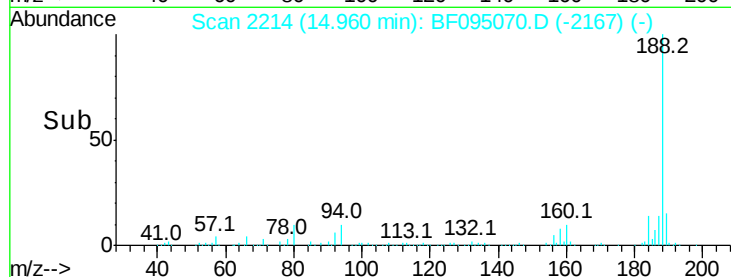
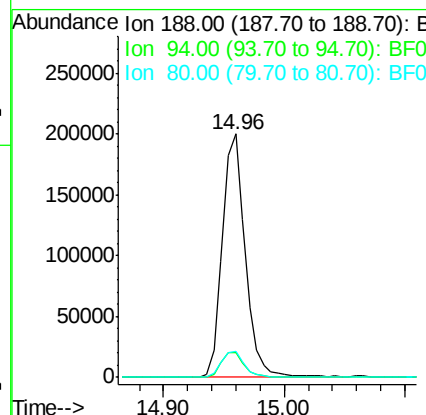
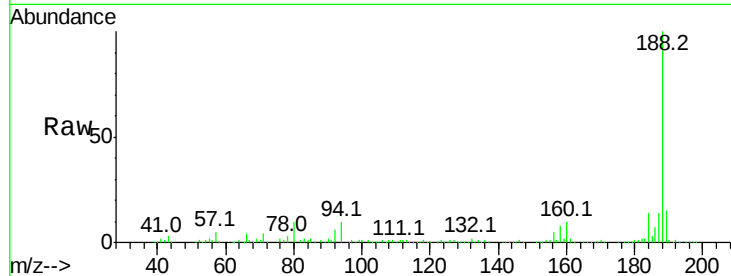
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.96 min Scan# 2214
Delta R.T. -0.02 min
Lab File: BF095070.D
Acq: 10 May 2017 22:46

Instrument :
BNA_F
ClientSampleId :
HY-SB408A

Tot Ion	Ratio	Resp	Lower	Upper
188	100	261109		
94	9.9		9.4	14.2
80	10.4		10.2	15.2

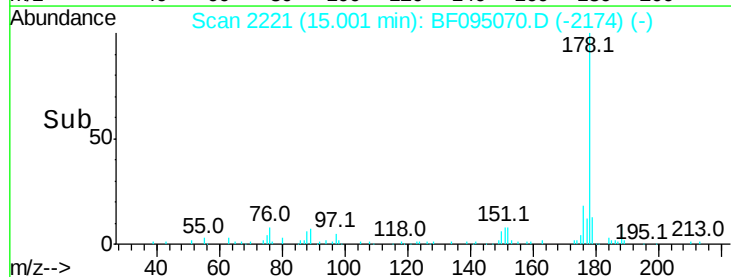
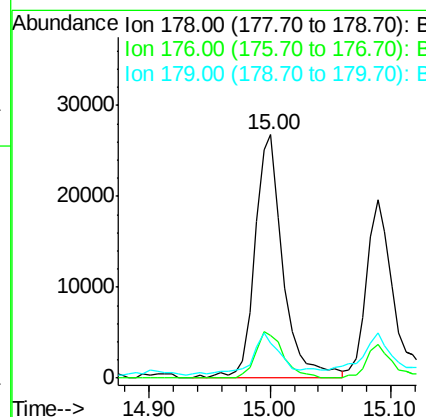
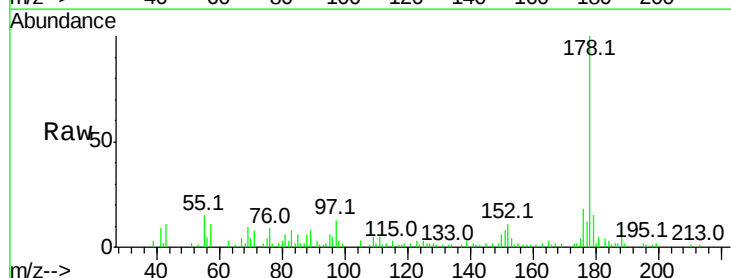
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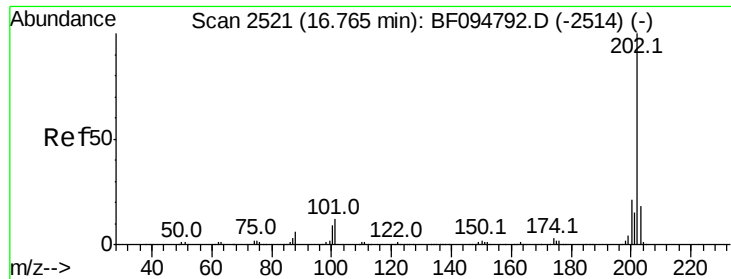
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#70
Phenanthrene
Concen: 2.89 ng
RT: 15.00 min Scan# 2221
Delta R.T. -0.02 min
Lab File: BF095070.D
Acq: 10 May 2017 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	43378		
176	17.5		16.2	24.4
179	14.6		12.6	19.0





#74

Fluoranthene

Concen: 3.43 ng

RT: 16.75 min Scan# 2518

Delta R.T. -0.02 min

Lab File: BF095070.D

Acq: 10 May 2017 22:46

Instrument :

BNA_F

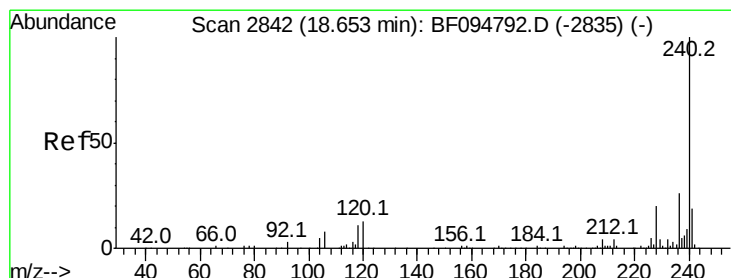
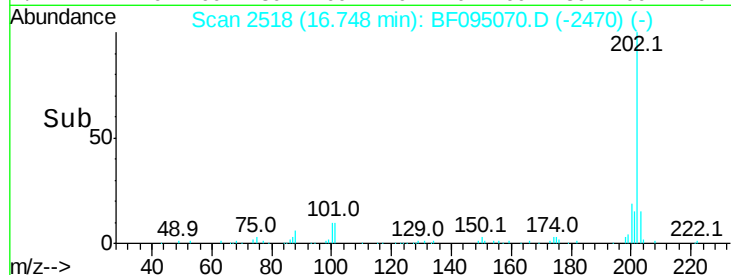
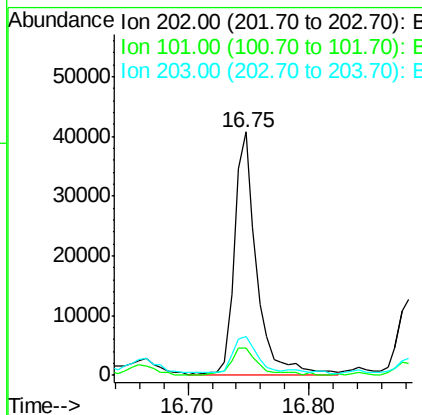
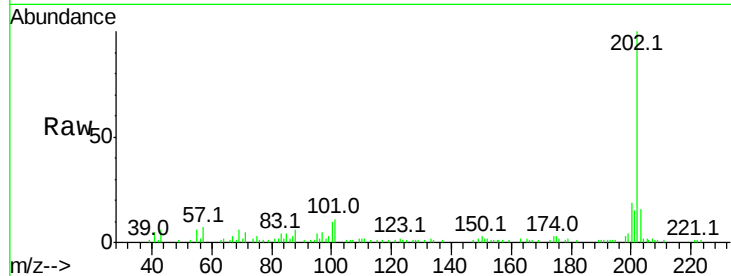
ClientSampled :

HY-SB408A

Tot Ion:	202	Resp:	52826
Ion Ratio	Lower	Upper	
202	100		
101	11.1	0.0	33.2
203	16.1	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

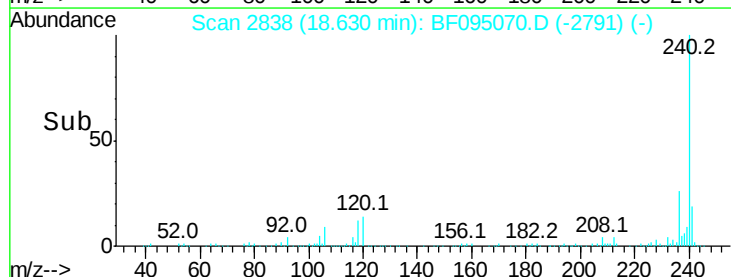
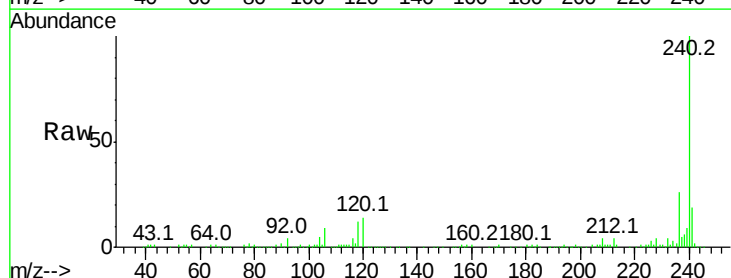
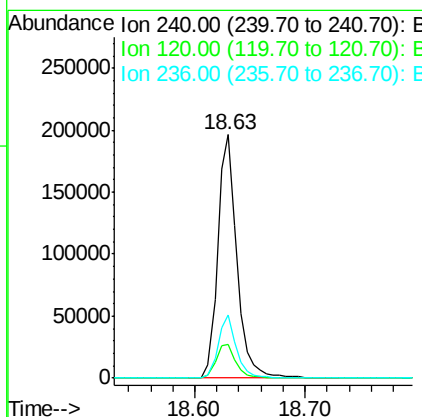
RT: 18.63 min Scan# 2838

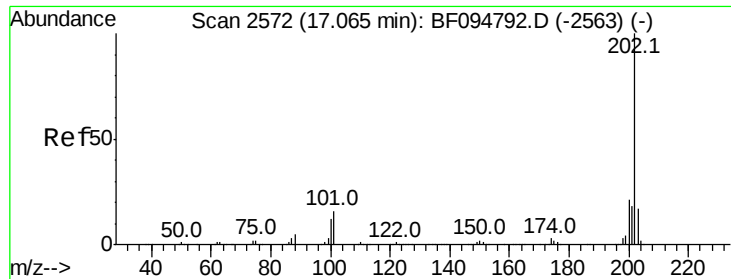
Delta R.T. -0.02 min

Lab File: BF095070.D

Acq: 10 May 2017 22:46

Tgt Ion:	240	Resp:	235401
Ion Ratio	Lower	Upper	
240	100		
120	14.1	5.8	8.8#
236	25.8	20.5	30.7





#77

Pvrene

Concen: 7.25 ng

RT: 17.04 min Scan# 2568

Delta R.T. -0.02 min

Lab File: BF095070.D

Acq: 10 May 2017 22:46

Instrument :

BNA_F

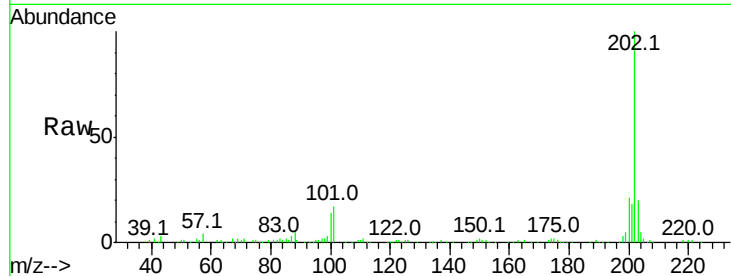
ClientSampleId :

HY-SB408A

Tot Ion:	202	Resp:	127667
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.6	26.4
203	20.1	14.4	21.6

Manual Integrations
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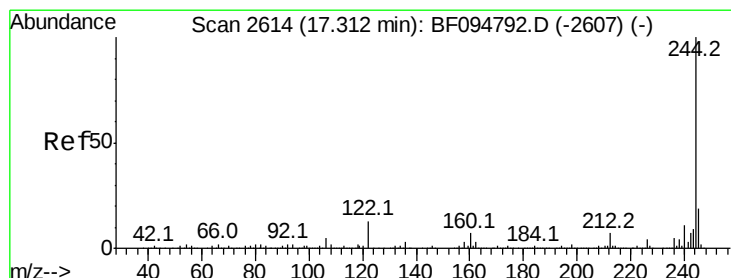
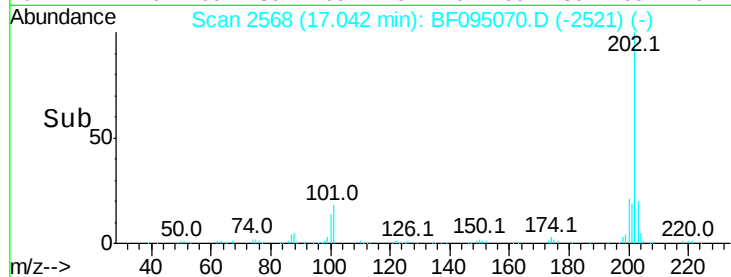
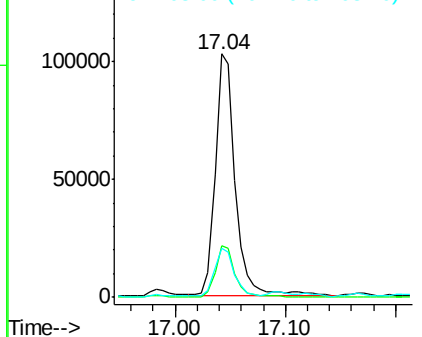
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 7.67 ng

RT: 17.28 min Scan# 2609

Delta R.T. -0.03 min

Lab File: BF095070.D

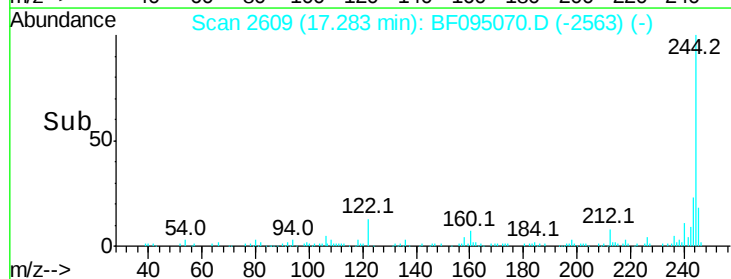
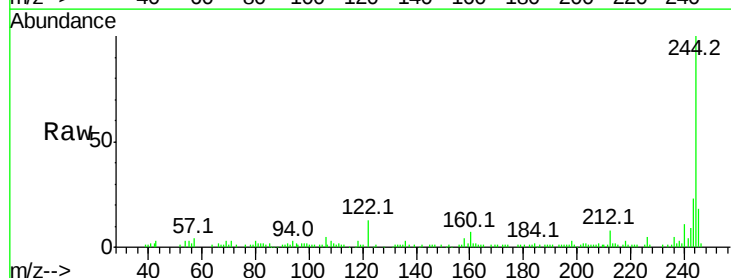
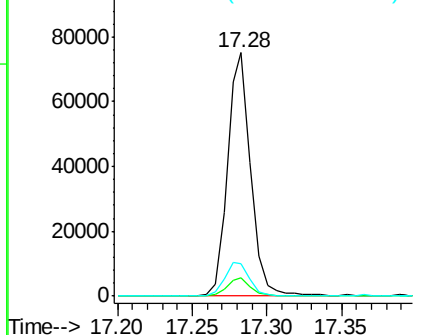
Acq: 10 May 2017 22:46

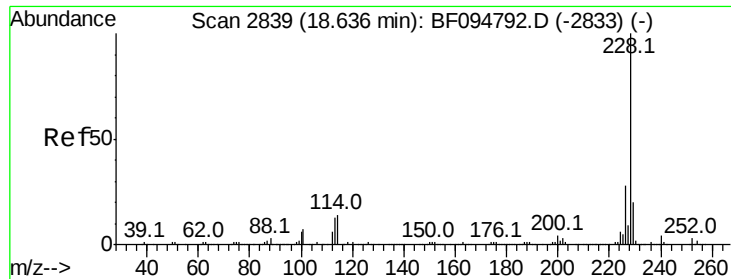
Tgt Ion:	244	Resp:	81974
Ion Ratio	Lower	Upper	
244	100		
212	7.7	6.0	9.0
122	13.5	10.3	15.5

Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





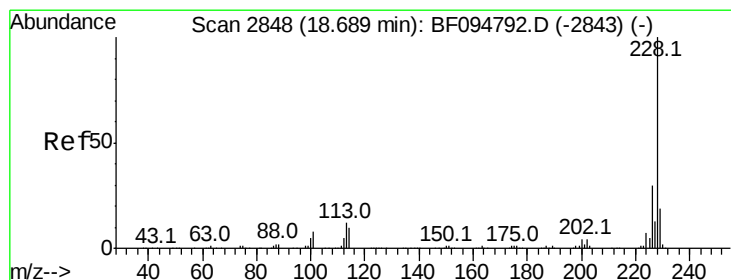
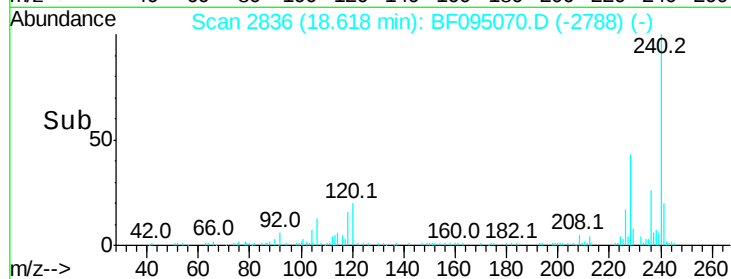
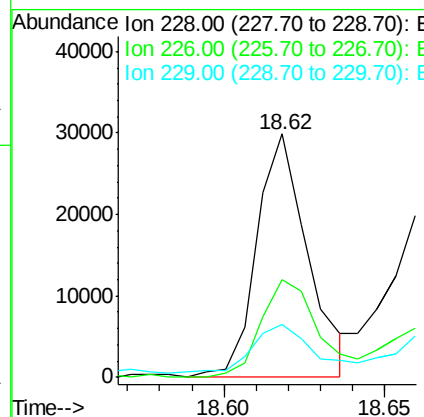
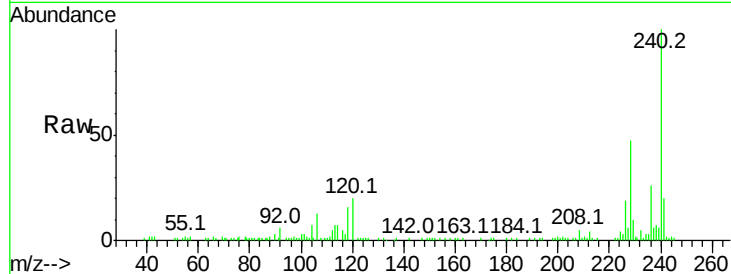
#80
Benzo(a)anthracene
Concen: 2.39 ng
RT: 18.62 min Scan# 2836
Delta R.T. -0.02 min
Lab File: BF095070.D
Acq: 10 May 2017 22:46

Instrument :
BNA_F
ClientSampleId :
HY-SB408A

Tot Ion	Ratio	Lower	Upper
228	100		
226	40.3	22.6	33.8#
229	21.9	16.3	24.5

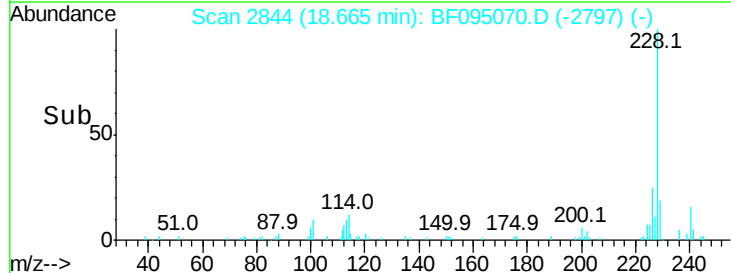
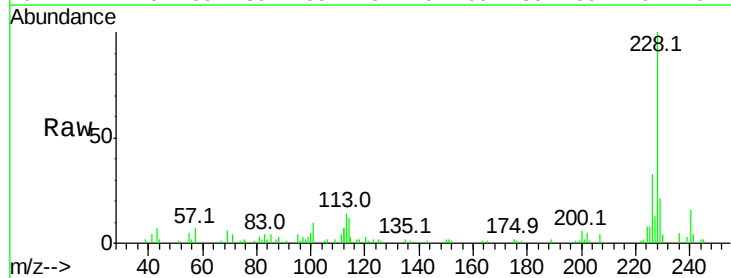
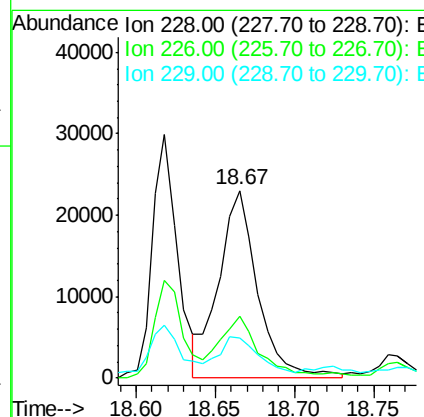
Manual Integrations
APPROVED

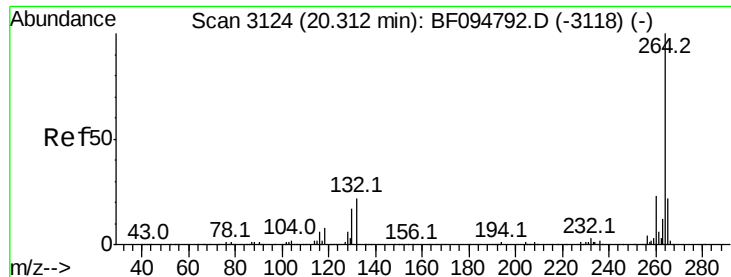
mohammad
5/11/2017 2:25:36 PM



#82
Chrysene
Concen: 2.98 ng
RT: 18.67 min Scan# 2844
Delta R.T. -0.02 min
Lab File: BF095070.D
Acq: 10 May 2017 22:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.1	24.9	37.3
229	21.4	15.8	23.6





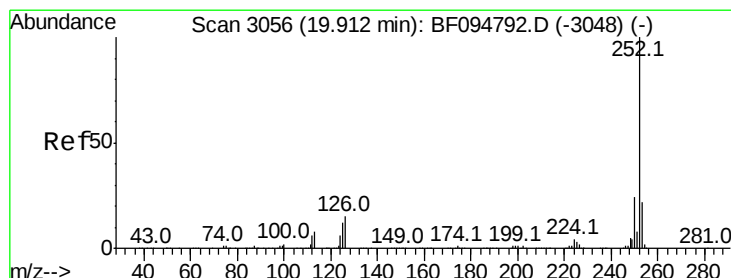
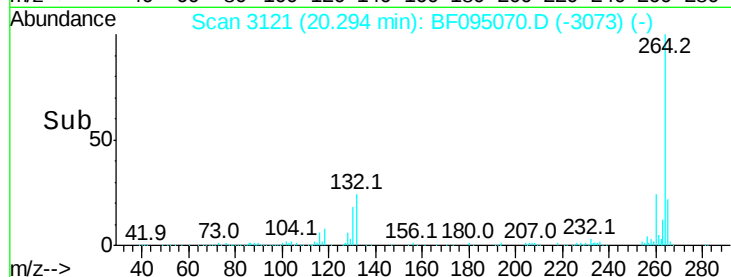
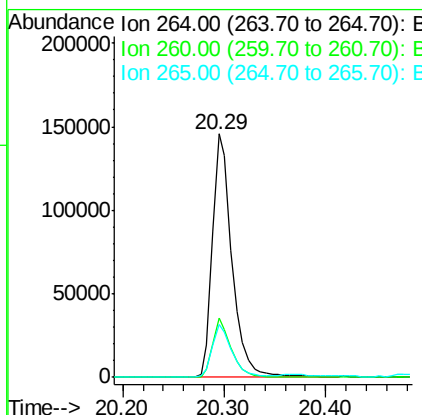
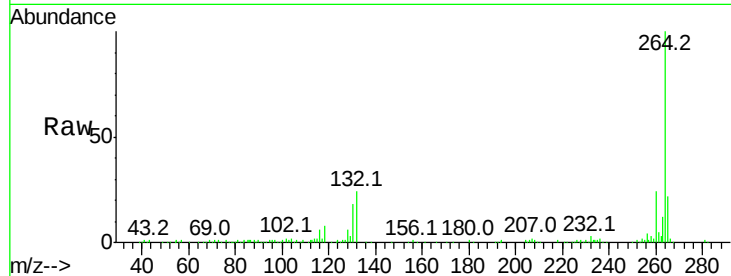
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.29 min Scan# 3121
Delta R.T. -0.02 min
Lab File: BF095070.D
Acq: 10 May 2017 22:46

Instrument :
BNA_F
ClientSampleId :
HY-SB408A

Tot Ion	Ratio	Resp	Lower	Upper
264	100	196369		
260	24.2		19.5	29.3
265	22.0		17.2	25.8

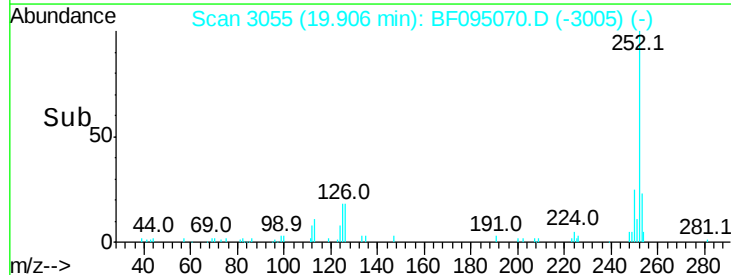
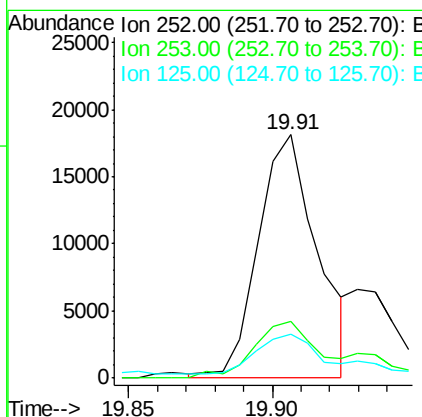
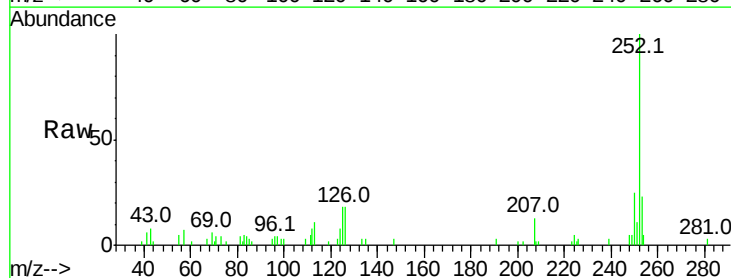
Manual Integrations
APPROVED

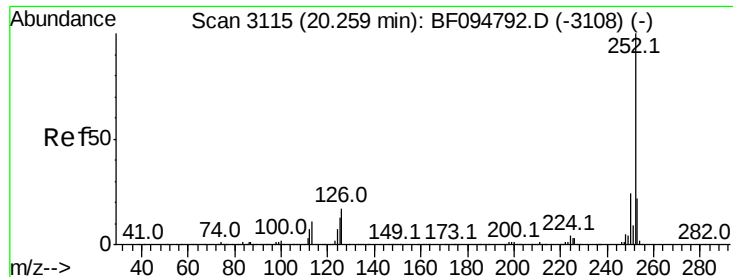
mohammad
5/11/2017 2:25:36 PM



#87
Benzo(b)fluoranthene
Concen: 2.13 ng m
RT: 19.91 min Scan# 3055
Delta R.T. -0.01 min
Lab File: BF095070.D
Acq: 10 May 2017 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	25803		
253	23.3		18.1	27.1
125	18.1		9.8	14.8#





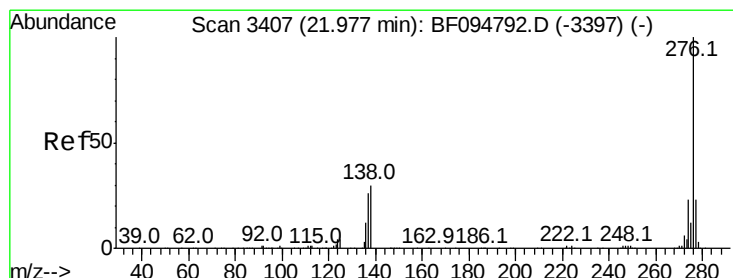
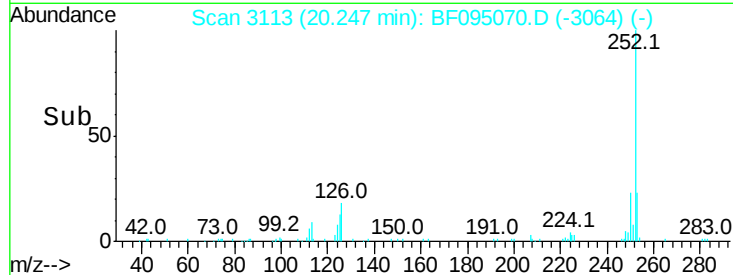
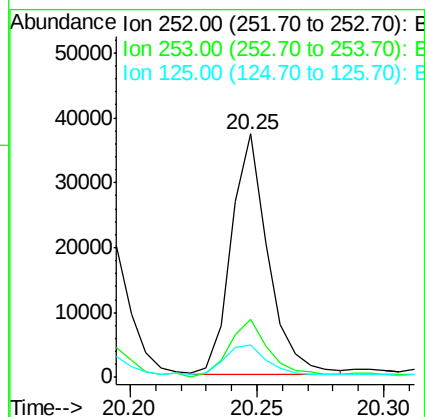
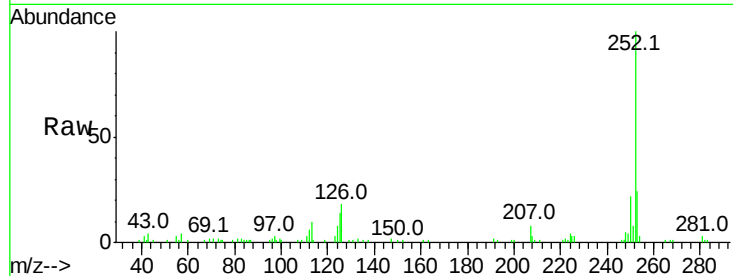
#89
Benzo(a)pyrene
Concen: 3.36 ng
RT: 20.25 min Scan# 3113
Delta R.T. -0.01 min
Lab File: BF095070.D
Acq: 10 May 2017 22:46

Instrument :
BNA_F
ClientSampleId :
HY-SB408A

Tot Ion:	252	Resp:	37629
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.5	26.3
125	13.5	11.0	16.4

Manual Integrations
APPROVED

mohammad
5/11/2017 2:25:36 PM



#91
Benzo(g,h,i)perylene
Concen: 3.44 ng
RT: 21.99 min Scan# 3409
Delta R.T. 0.01 min
Lab File: BF095070.D
Acq: 10 May 2017 22:46

Tgt Ion:	276	Resp:	31226
Ion Ratio	Lower	Upper	
276	100		
277	21.4	18.6	28.0
138	25.5	25.4	38.0

