

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051117\
 Data File : BF095101.D
 Acq On : 12 May 2017 3:05
 Operator : SJ/MA
 Sample : I3037-11 40X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB423A

Manual Integrations
 APPROVED

mohammad
 5/12/2017 3:36:33 PM

Quant Time: May 12 13:33:31 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	84278	20.00	ng	-0.02
21) Naphthalene-d8	9.72	136	340635	20.00	ng	-0.03
38) Acenaphthene-d10	12.55	164	162324	20.00	ng	-0.04
63) Phenanthrene-d10	14.95	188	262567	20.00	ng	-0.03
75) Chrysene-d12	18.62	240	224469	20.00	ng	-0.03
86) Perylene-d12	20.29	264	178930	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.85	112	1571	0.31	ng	0.18
7) Phenol-d6	7.44	99	3150	0.52	ng	0.16
23) Nitrobenzene-d5	8.64	82	1804	0.33	ng	0.00
41) 2,4,6-Tribromophenol	13.89	330	1370	1.03	ng	0.00
44) 2-Fluorobiphenyl	11.50	172	24238	2.15	ng	-0.03
78) Terphenyl-d14	17.28	244	20669	2.03	ng	-0.03
Target Compounds						Qvalue
70) Phenanthrene	14.99	178	114059	7.56	ng	98
74) Fluoranthene	16.74	202	66862	4.32	ng	99
77) Pyrene	17.04	202	111525	6.64	ng	97
80) Benzo(a)anthracene	18.61	228	29305	2.24	ng	95
82) Chrysene	18.67	228	33055m	2.62	ng	
87) Benzo(b)fluoranthene	19.91	252	25475m	2.30	ng	
89) Benzo(a)pyrene	20.25	252	36333	3.56	ng	98
91) Benzo(g,h,i)perylene	21.99	276	27436	3.32	ng	96

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

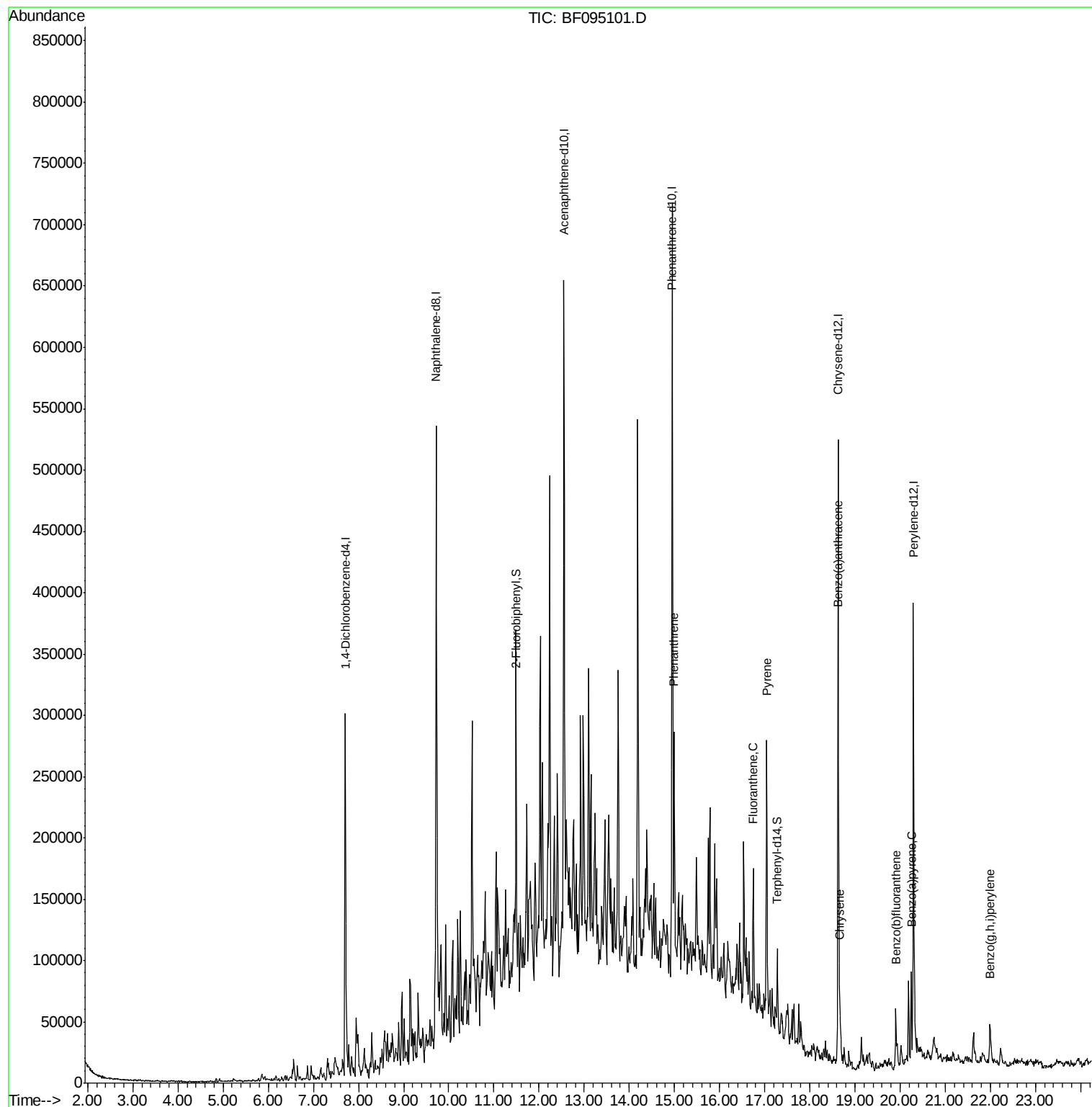
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051117\
Data File : BF095101.D
Acq On : 12 May 2017 3:05
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Sample : I3037-11 40X
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#1

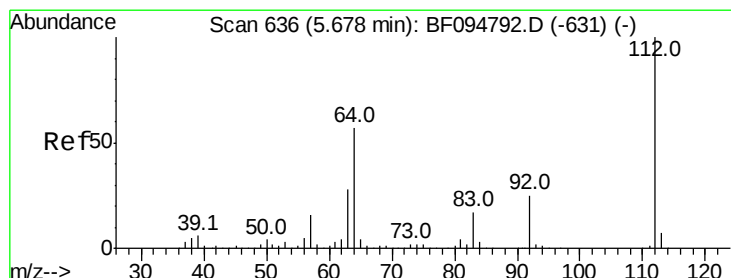
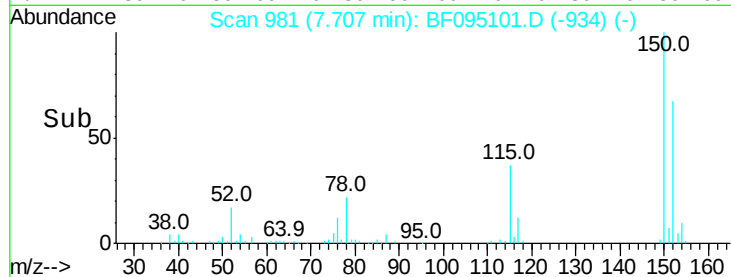
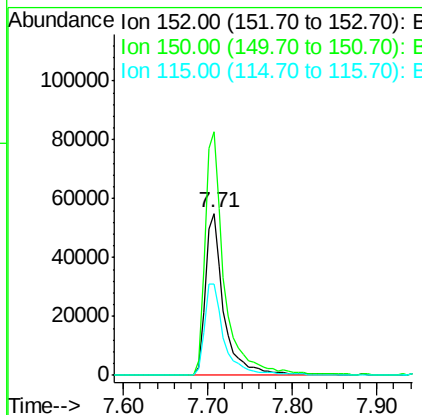
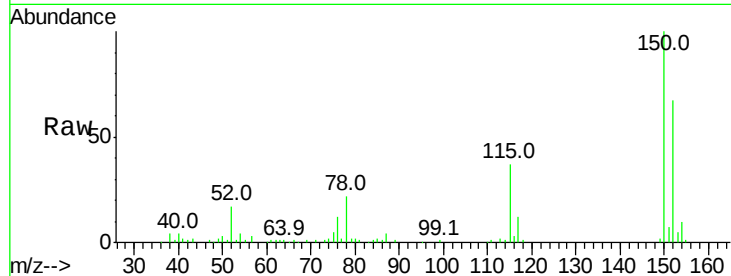
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.71 min Scan# 981
Delta R.T. -0.02 min
Lab File: BF095101.D
Acq: 12 May 2017 3:05

Instrument :
BNA_F
ClientSampleId :
HY-SB423A

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.2	126.2	189.2
115	56.1	52.2	78.2

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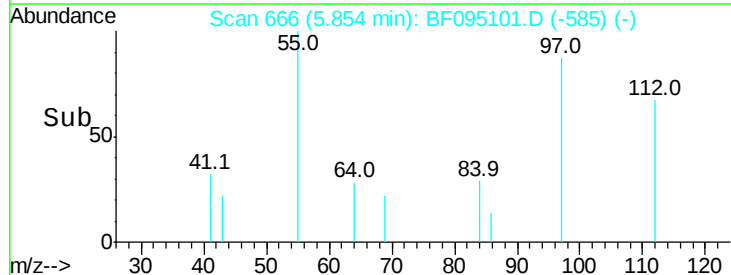
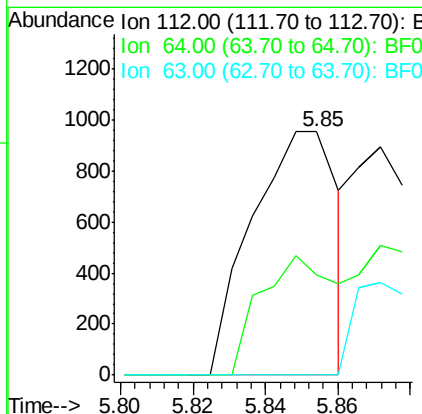
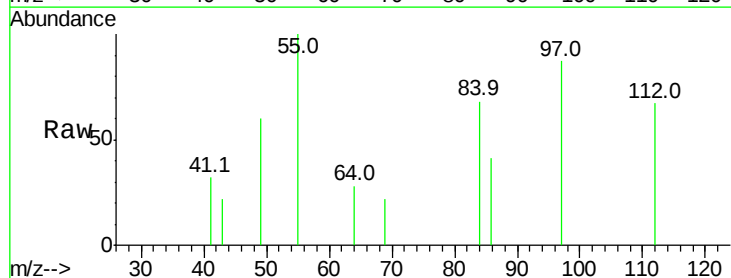
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#5

2-Fluorophenol
Concen: 0.31 ng
RT: 5.85 min Scan# 666
Delta R.T. 0.18 min
Lab File: BF095101.D
Acq: 12 May 2017 3:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	41.0	46.0	69.0#
63	0.0	23.4	35.0#





#7

Phenol-d6

Concen: 0.52 ng

RT: 7.44 min Scan# 936

Delta R.T. 0.16 min

Lab File: BF095101.D

Acq: 12 May 2017 3:05

Instrument :

BNA_F

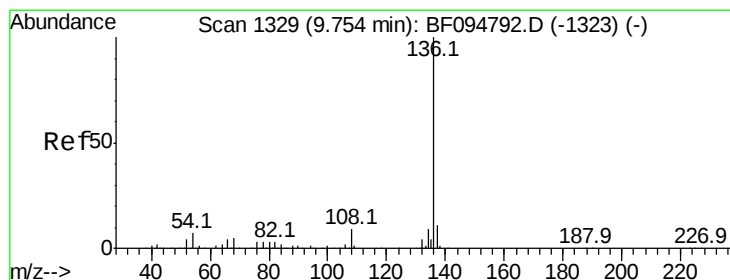
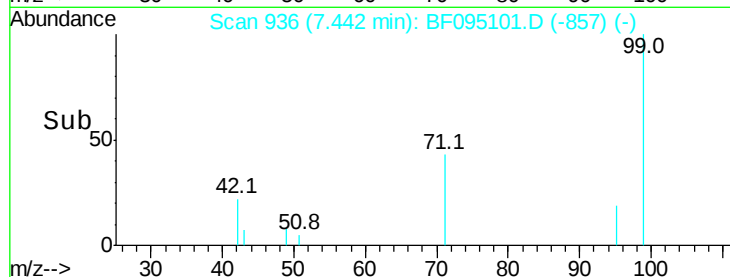
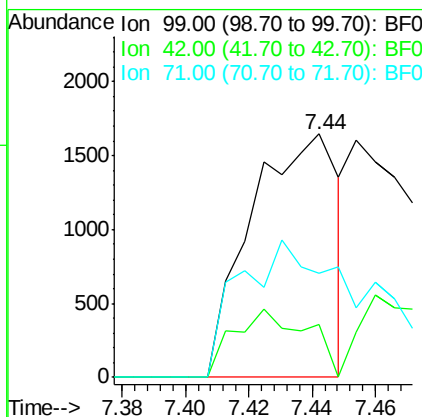
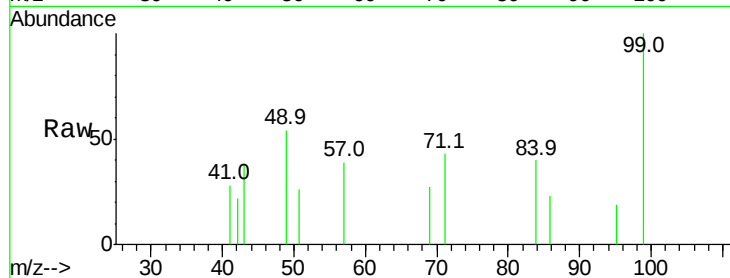
ClientSampleId :

HY-SB423A

Tot Ion:	99	Resp:	3150
Ion Ratio	Lower	Upper	
99	100		
42	22.0	13.5	20.3#
71	42.8	24.5	36.7#

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#21

Naphthalene-d8

Concen: 20.00 ng

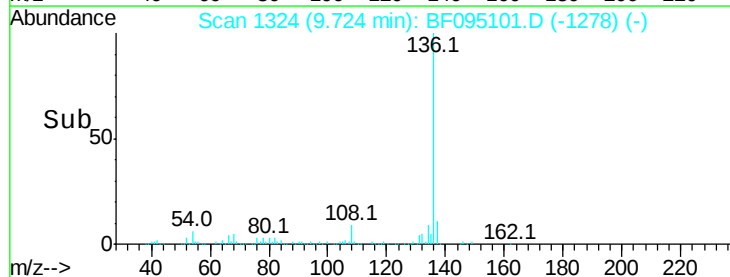
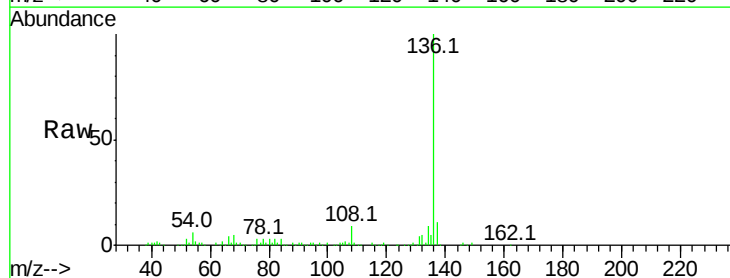
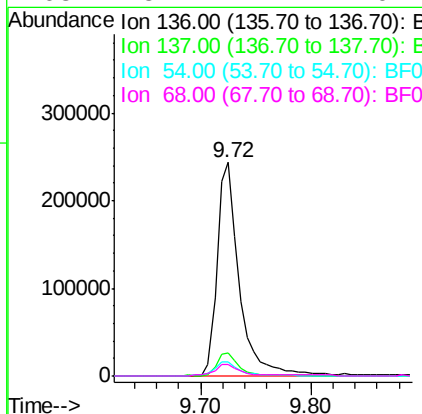
RT: 9.72 min Scan# 1324

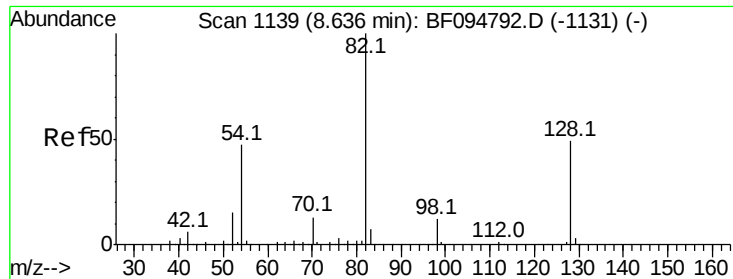
Delta R.T. -0.03 min

Lab File: BF095101.D

Acq: 12 May 2017 3:05

Tgt Ion:	136	Resp:	340635
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.5	12.7
54	6.5	4.9	7.3
68	5.2	4.1	6.1





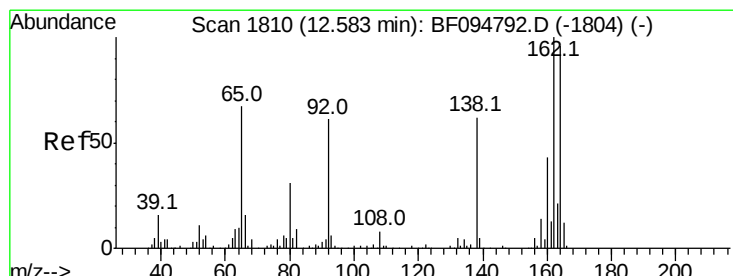
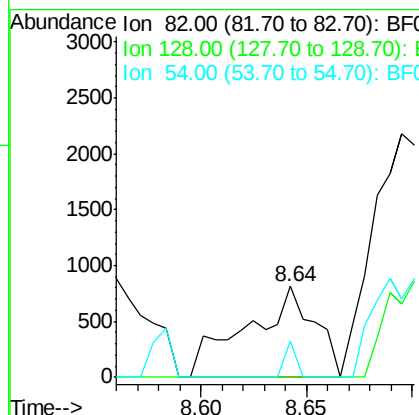
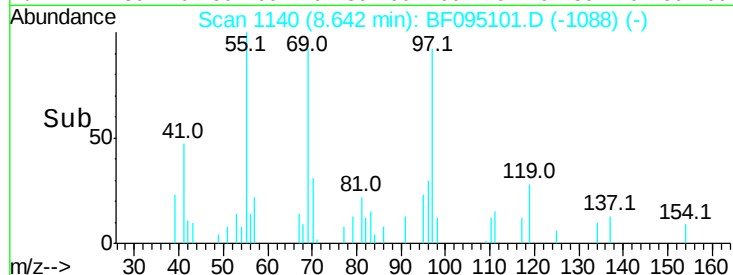
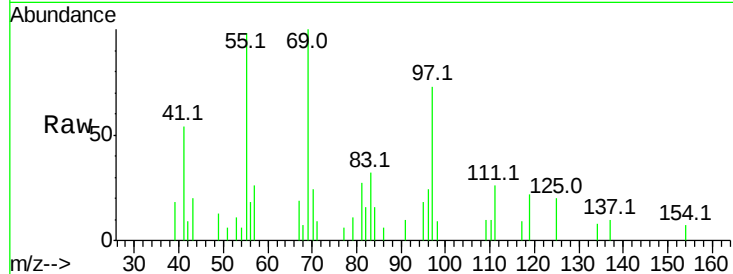
#23
Nitrobenzene-d5
Concen: 0.33 ng
RT: 8.64 min Scan# 1140
Delta R.T. 0.01 min
Lab File: BF095101.D
Acq: 12 May 2017 3:05

Instrument :
BNA_F
ClientSampled :
HY-SB423A

Tot Ion	Ratio	Lower	Upper
82	100		
128	0.0	34.0	51.0#
54	39.5	42.2	63.2#

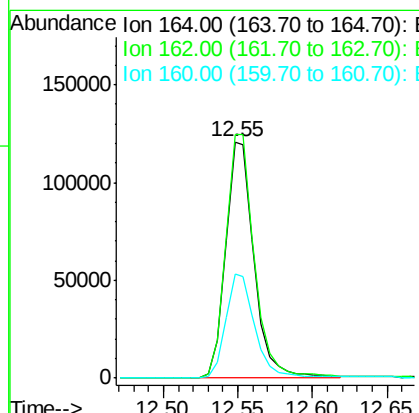
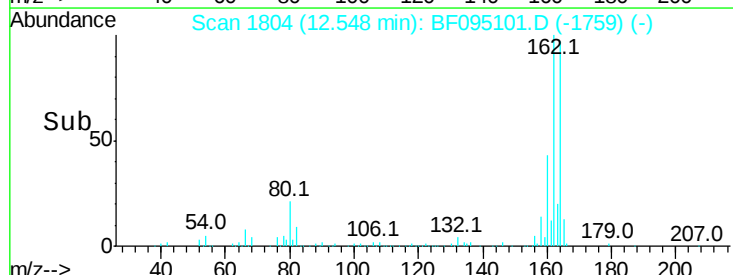
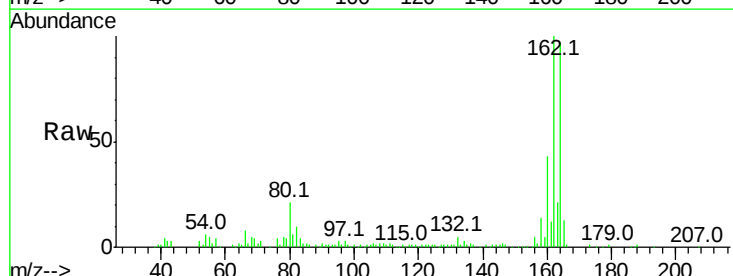
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.55 min Scan# 1804
Delta R.T. -0.04 min
Lab File: BF095101.D
Acq: 12 May 2017 3:05

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.0	82.6	123.8
160	44.0	36.2	54.2





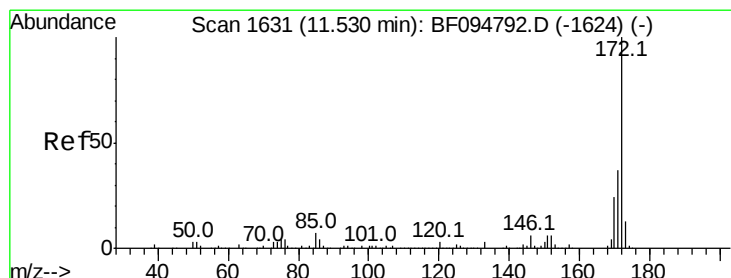
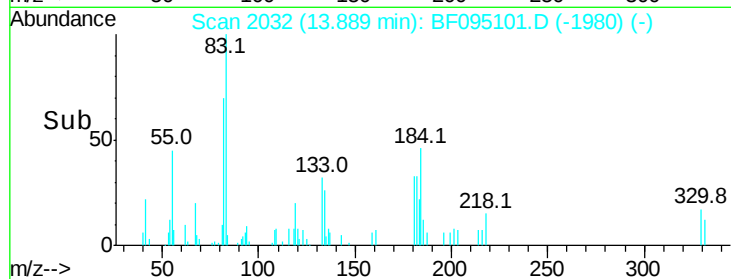
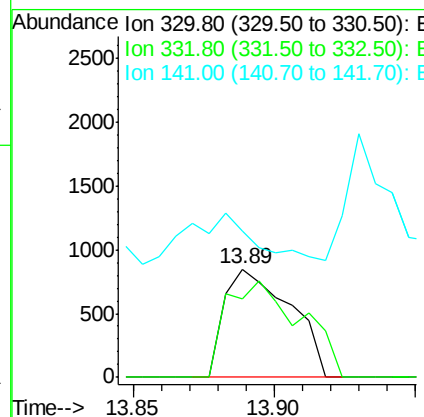
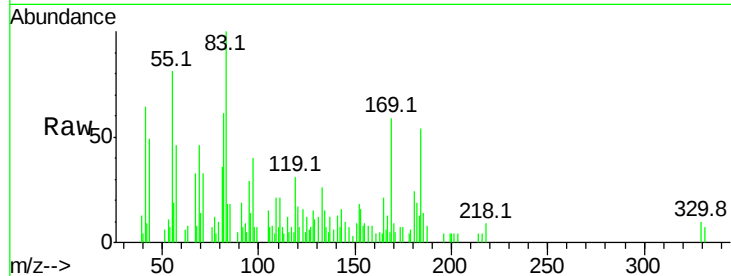
#41
 2,4,6-Tribromophenol
 Concen: 1.03 ng
 RT: 13.89 min Scan# 2032
 Delta R.T. 0.01 min
 Lab File: BF095101.D
 Acq: 12 May 2017 3:05

Instrument :
 BNA_F
 ClientSampled :
 HY-SB423A

Tot Ion	Ratio	Lower	Upper
330	100		
332	100.1	76.6	115.0
141	94.2	31.4	47.2

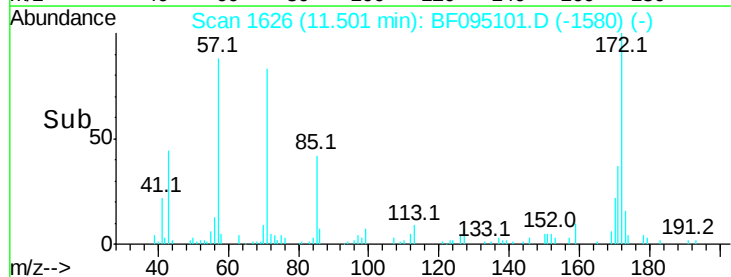
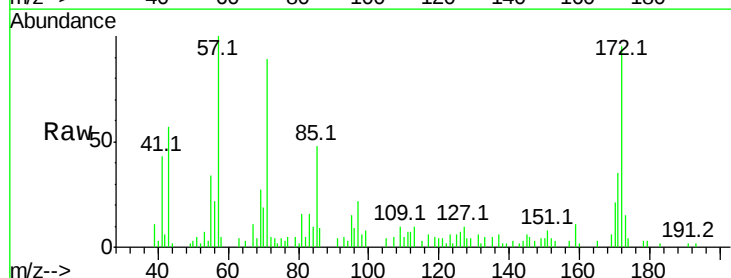
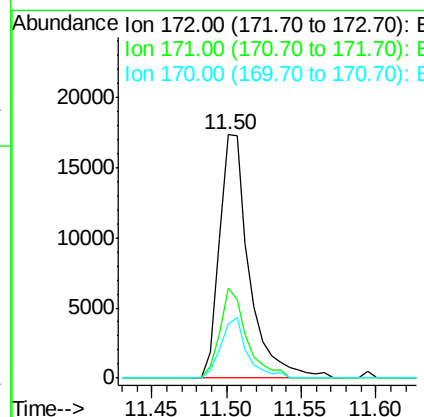
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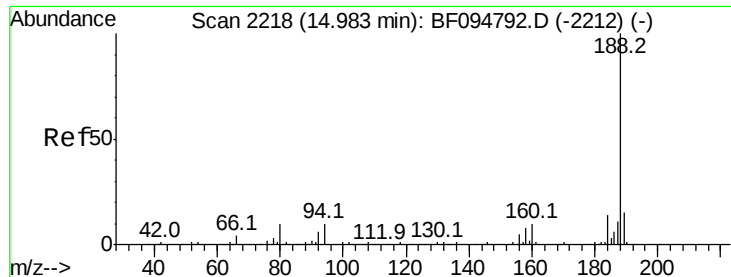
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#44
 2-Fluorobiphenyl
 Concen: 2.15 ng
 RT: 11.50 min Scan# 1626
 Delta R.T. -0.03 min
 Lab File: BF095101.D
 Acq: 12 May 2017 3:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.6	44.4
170	22.4	19.8	29.8





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.95 min Scan# 2213

Delta R.T. -0.03 min

Lab File: BF095101.D

Acq: 12 May 2017 3:05

Instrument :

BNA_F

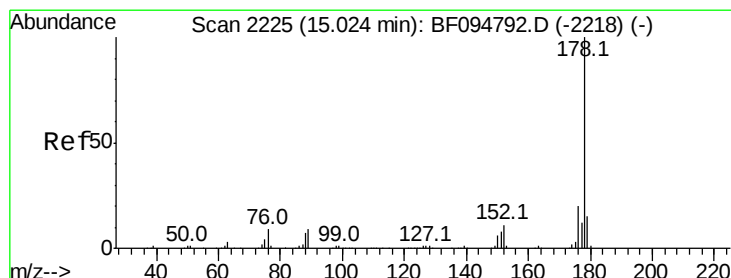
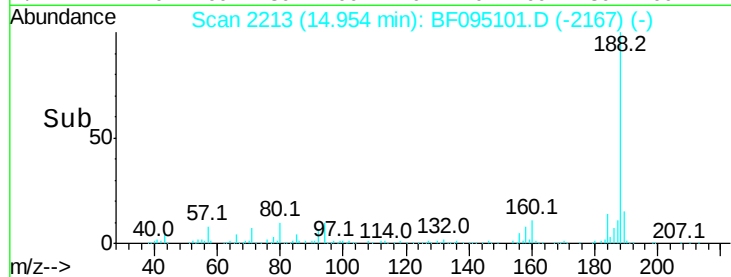
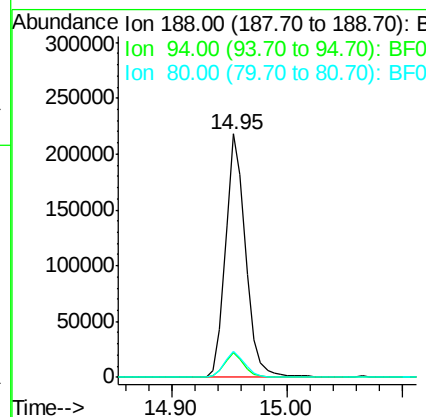
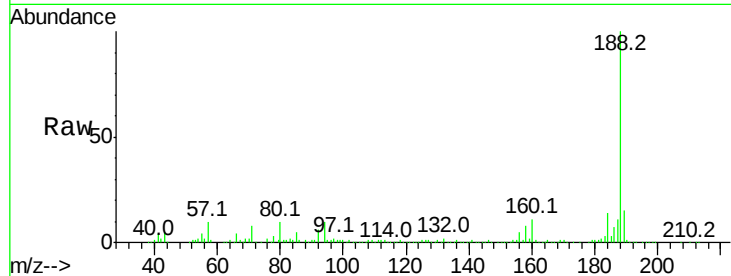
ClientSampleId :

HY-SB423A

Tot Ion:	188	Resp:	262567
Ion Ratio	Lower	Upper	
188	100		
94	10.3	9.4	14.2
80	10.5	10.2	15.2

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#70

Phenanthrene

Concen: 7.56 ng

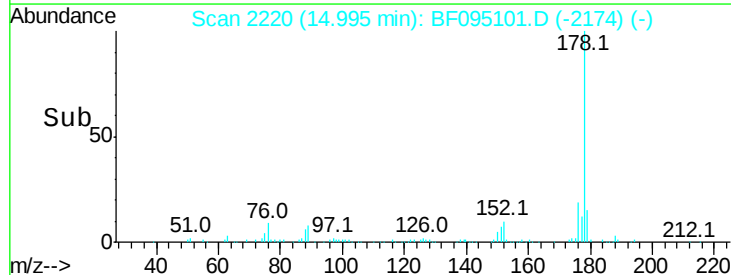
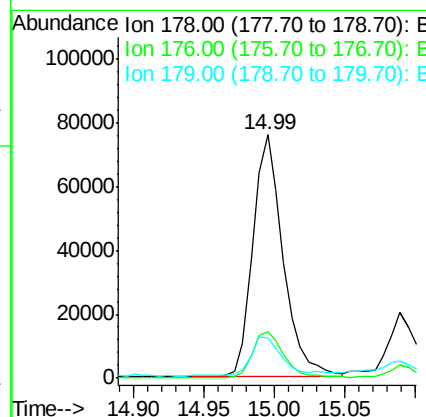
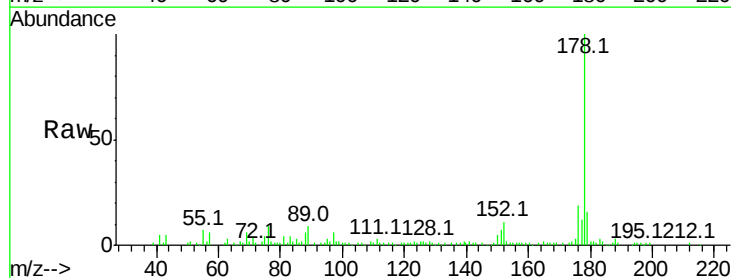
RT: 14.99 min Scan# 2220

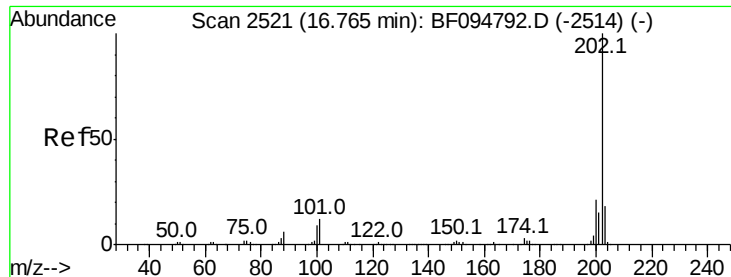
Delta R.T. -0.03 min

Lab File: BF095101.D

Acq: 12 May 2017 3:05

Tgt Ion:	178	Resp:	114059
Ion Ratio	Lower	Upper	
178	100		
176	19.2	16.2	24.4
179	16.4	12.6	19.0





#74

Fluoranthene

Concen: 4.32 ng

RT: 16.74 min Scan# 2517

Delta R.T. -0.02 min

Lab File: BF095101.D

Acq: 12 May 2017 3:05

Instrument :

BNA_F

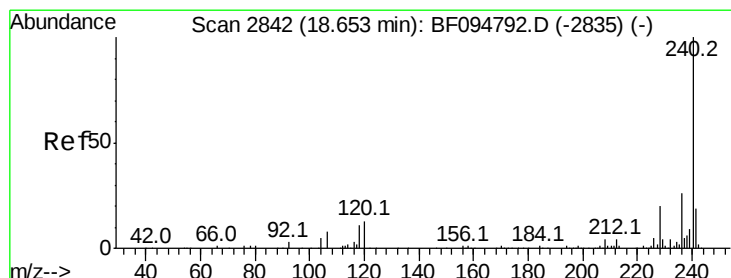
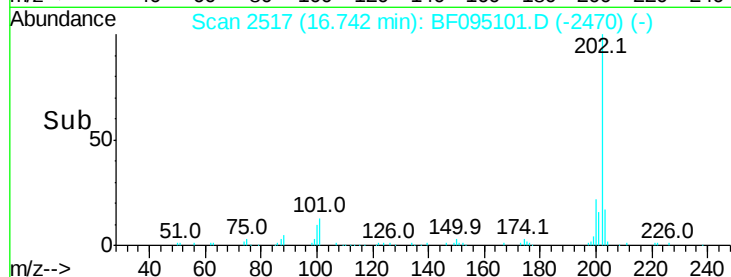
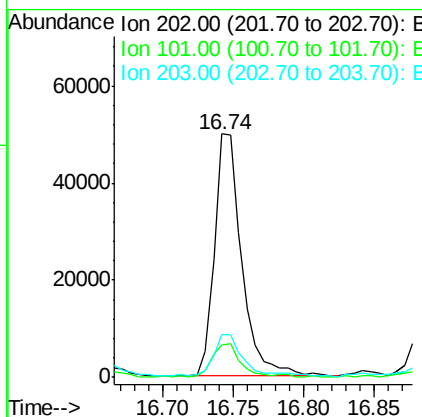
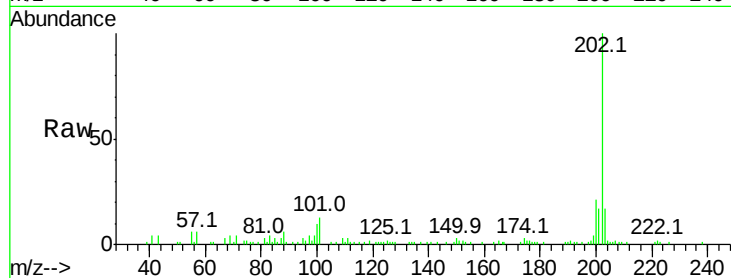
ClientSampleId :

HY-SB423A

Tot Ion:	202	Resp:	66862
Ion Ratio	Lower	Upper	
202	100		
101	13.3	0.0	33.2
203	17.4	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

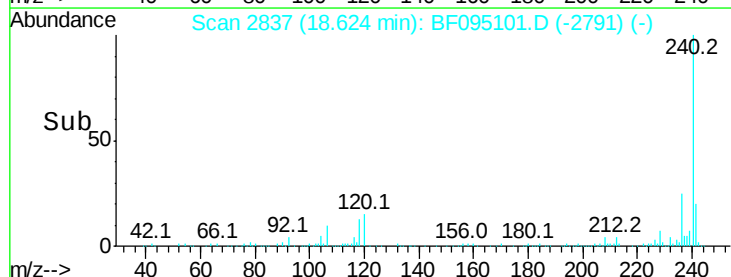
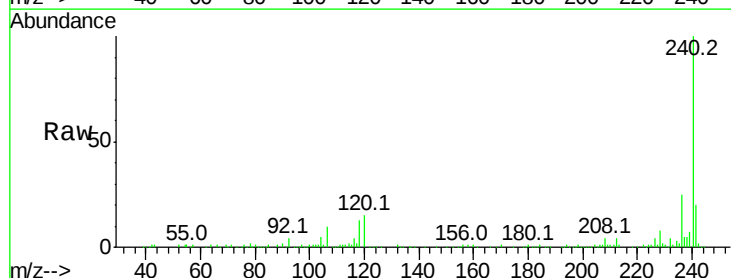
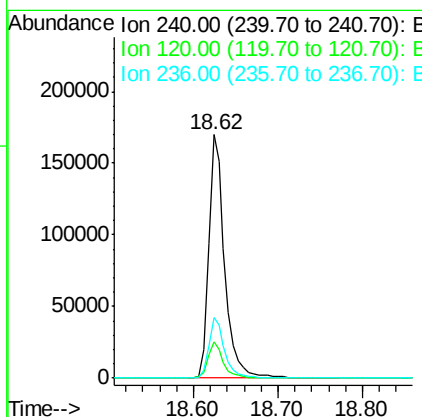
RT: 18.62 min Scan# 2837

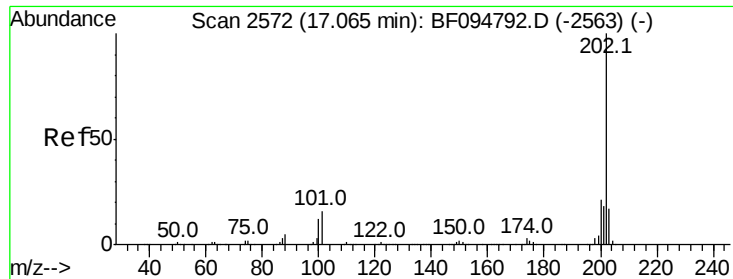
Delta R.T. -0.03 min

Lab File: BF095101.D

Acq: 12 May 2017 3:05

Tgt Ion:	240	Resp:	224469
Ion Ratio	Lower	Upper	
240	100		
120	14.9	5.8	8.8#
236	24.7	20.5	30.7





#77

Pvrene

Concen: 6.64 ng

RT: 17.04 min Scan# 2568

Delta R.T. -0.02 min

Lab File: BF095101.D

Acq: 12 May 2017 3:05

Instrument :

BNA_F

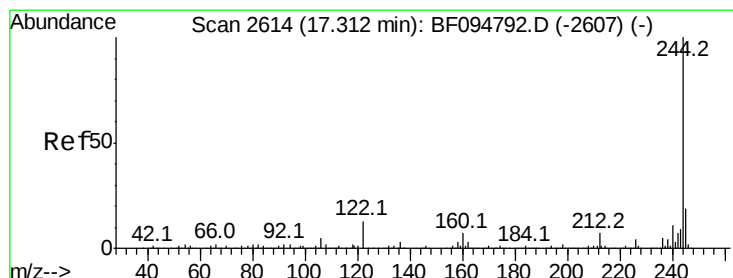
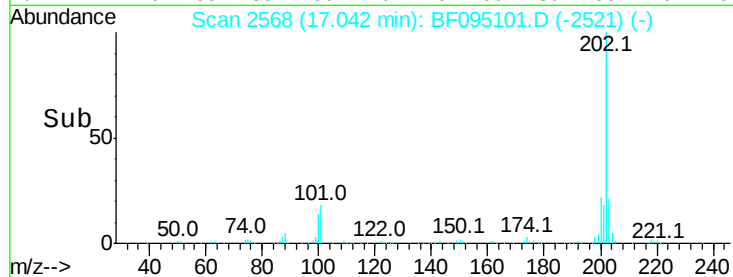
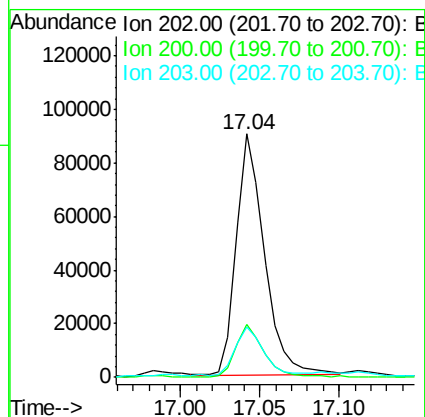
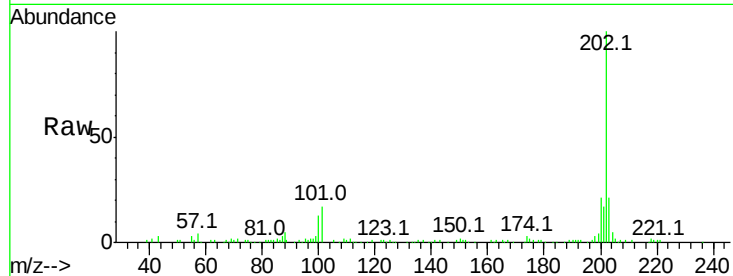
ClientSampleId :

HY-SB423A

Tot Ion:	202	Resp:	111525
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.6	26.4
203	20.7	14.4	21.6

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#78

Terphenyl-d14

Concen: 2.03 ng

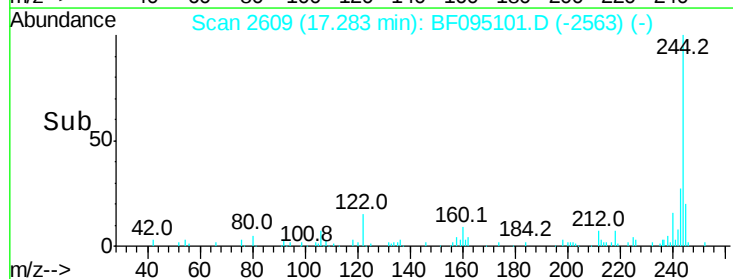
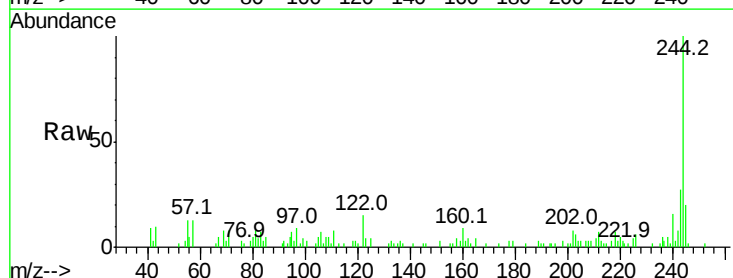
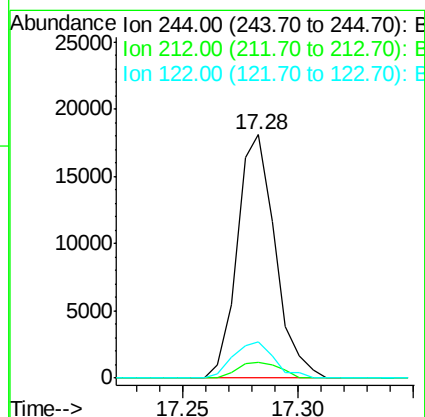
RT: 17.28 min Scan# 2609

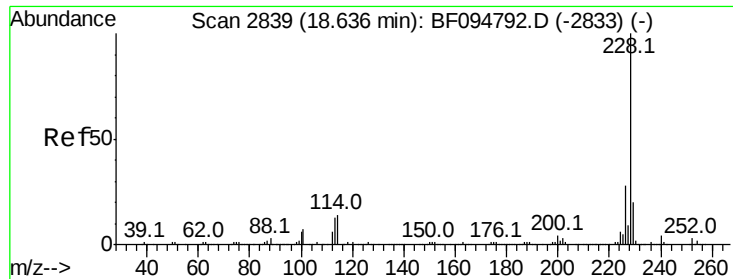
Delta R.T. -0.03 min

Lab File: BF095101.D

Acq: 12 May 2017 3:05

Tgt Ion:	244	Resp:	20669
Ion Ratio	Lower	Upper	
244	100		
212	6.6	6.0	9.0
122	15.1	10.3	15.5





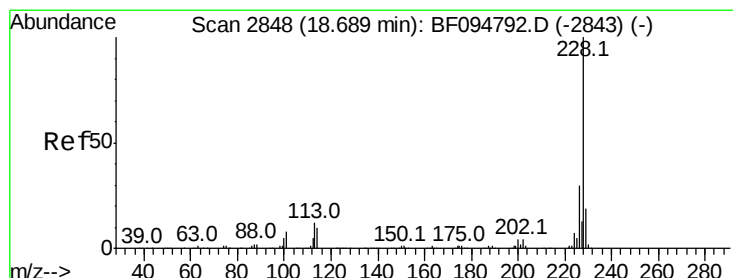
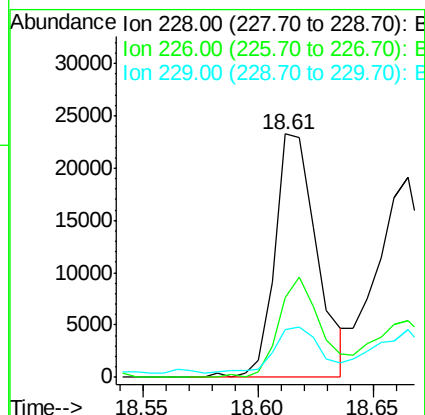
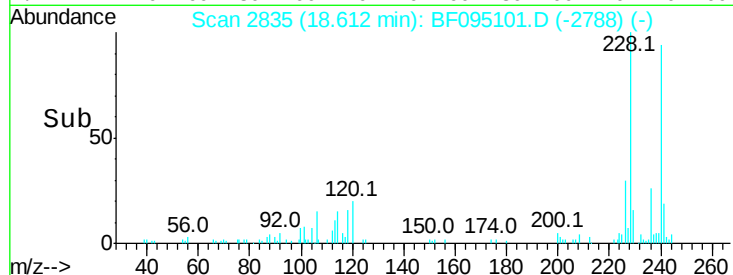
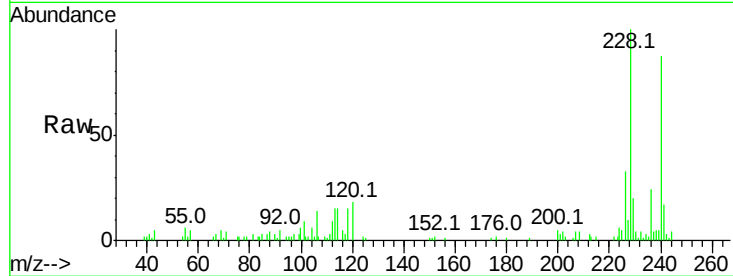
#80
Benzo(a)anthracene
Concen: 2.24 ng
RT: 18.61 min Scan# 2835
Delta R.T. -0.02 min
Lab File: BF095101.D
Acq: 12 May 2017 3:05

Instrument :
BNA_F
ClientSampleId :
HY-SB423A

Tot Ion	Ratio	Resp	Lower	Upper
228	100	29305		
226	32.5		22.6	33.8
229	19.8		16.3	24.5

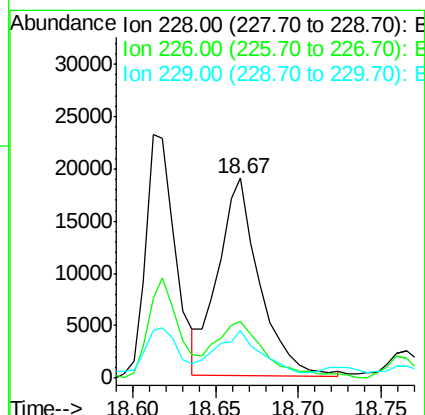
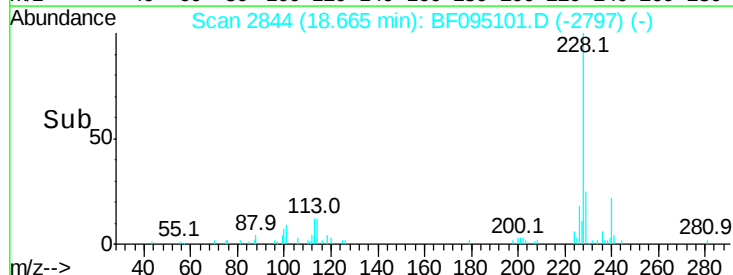
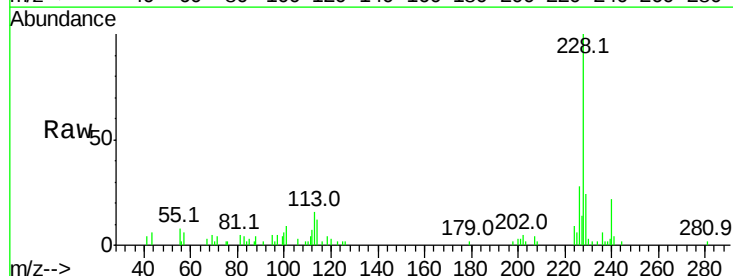
Manual Integrations
APPROVED

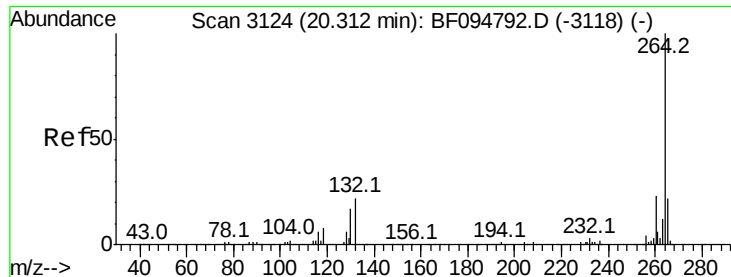
mohammad
5/12/2017 3:36:33 PM



#82
Chrysene
Concen: 2.62 ng m
RT: 18.67 min Scan# 2844
Delta R.T. -0.02 min
Lab File: BF095101.D
Acq: 12 May 2017 3:05

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	33055		
226	28.4		24.9	37.3
229	24.1		15.8	23.6#





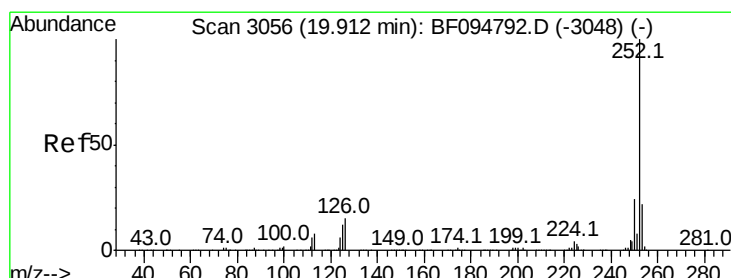
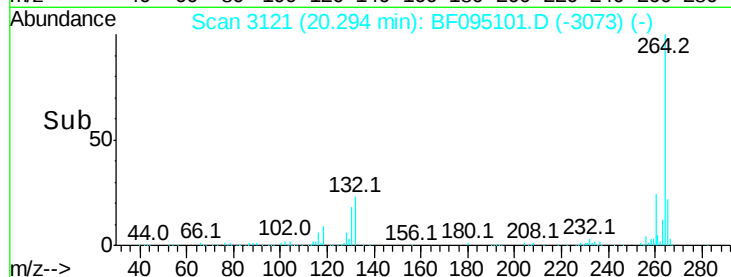
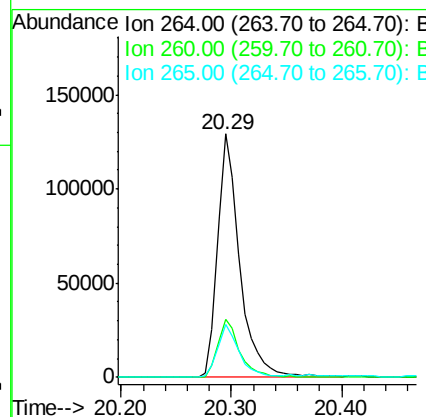
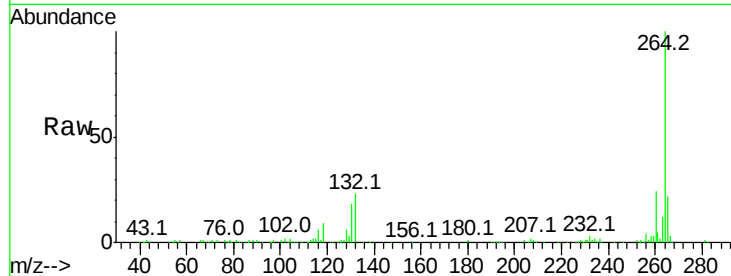
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.29 min Scan# 3121
Delta R.T. -0.02 min
Lab File: BF095101.D
Acq: 12 May 2017 3:05

Instrument :
BNA_F
ClientSampleId :
HY-SB423A

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	23.7	19.5	29.3	
265	21.9	17.2	25.8	

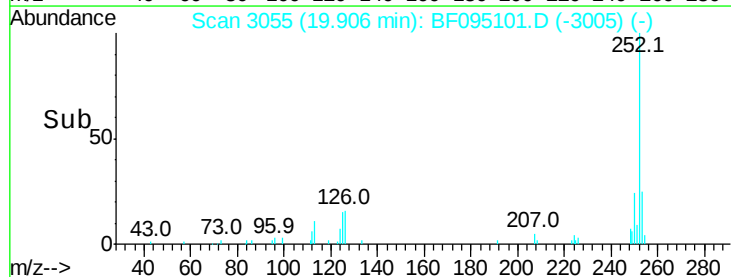
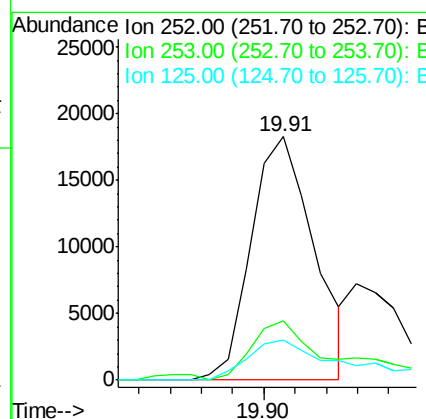
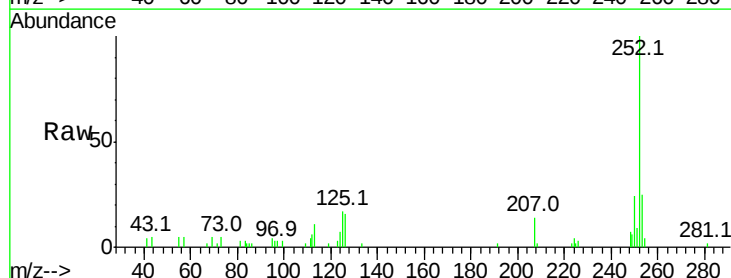
Manual Integrations
APPROVED

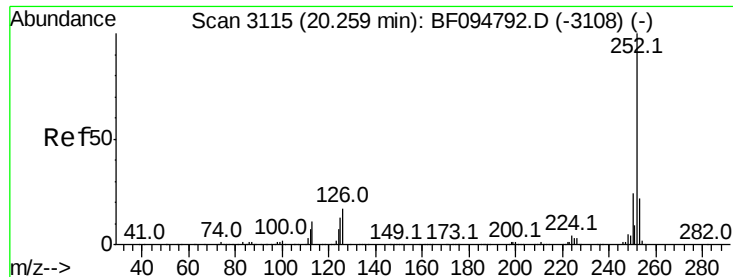
mohammad
5/12/2017 3:36:33 PM



#87
Benzo(b)fluoranthene
Concen: 2.30 ng m
RT: 19.91 min Scan# 3055
Delta R.T. -0.01 min
Lab File: BF095101.D
Acq: 12 May 2017 3:05

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	24.6	18.1	27.1	
125	16.6	9.8	14.8	





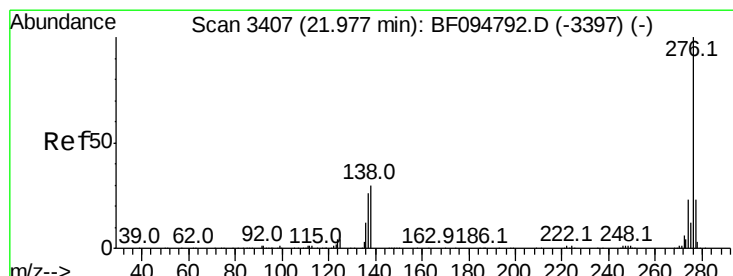
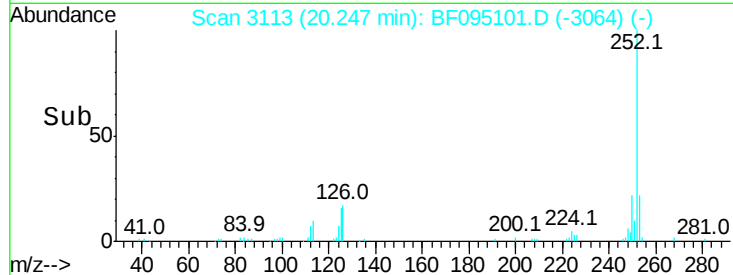
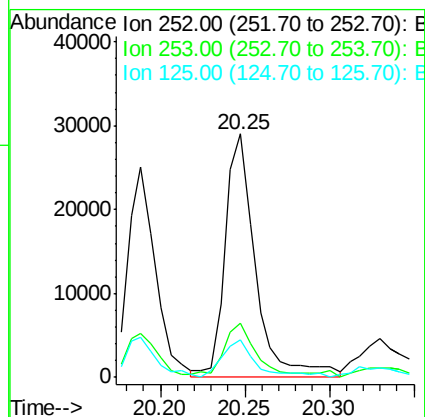
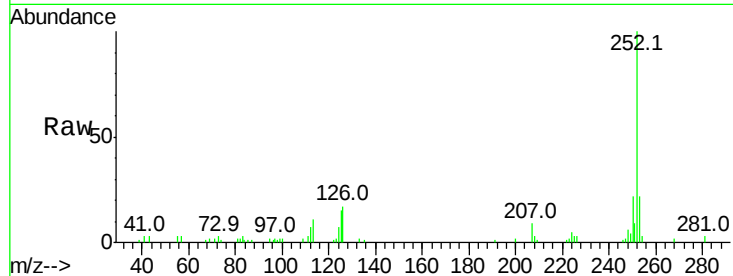
#89
Benzo(a)pyrene
Concen: 3.56 ng
RT: 20.25 min Scan# 3113
Delta R.T. -0.01 min
Lab File: BF095101.D
Acq: 12 May 2017 3:05

Instrument :
BNA_F
ClientSampleId :
HY-SB423A

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	15.2	11.0	16.4

Manual Integrations
APPROVED

mohammad
5/12/2017 3:36:33 PM



#91
Benzo(g,h,i)perylene
Concen: 3.32 ng
RT: 21.99 min Scan# 3409
Delta R.T. 0.01 min
Lab File: BF095101.D
Acq: 12 May 2017 3:05

Tgt Ion	Ratio	Lower	Upper
276	100		
277	20.9	18.6	28.0
138	29.8	25.4	38.0

