

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050817\
 Data File : BF095022.D
 Acq On : 9 May 2017 14:15
 Operator : SJ/MA
 Sample : I3022-01DL 500X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-COMP-15DL

Manual Integrations
 APPROVED

mohammad
 5/9/2017 5:35:23 PM

Quant Time: May 09 16:26:23 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	76270	20.00	ng	-0.02
21) Naphthalene-d8	9.73	136	281051	20.00	ng	-0.02
38) Acenaphthene-d10	12.56	164	128278	20.00	ng	-0.02
63) Phenanthrene-d10	14.96	188	214555	20.00	ng	-0.02
75) Chrysene-d12	18.63	240	193286	20.00	ng	-0.02
86) Perylene-d12	20.30	264	149686	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	0.00	82	0	0.00	ng	
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	11.52	172	895	0.10	ng	0.00
78) Terphenyl-d14	17.29	244	944	0.11	ng	-0.02
Target Compounds						
31) Naphthalene	9.77	128	501625	35.51	ng	99
37) 2-Methylnaphthalene	10.90	142	114591	12.36	ng	97
45) 1,1'-Biphenyl	11.66	154	43334	4.01	ng	95
48) Acenaphthylene	12.33	152	186525	13.66	ng	98
57) Fluorene	13.46	166	88615	9.03	ng	97
70) Phenanthrene	15.00	178	417597	33.87	ng	98
71) Anthracene	15.08	178	234277	18.60	ng	99
74) Fluoranthene	16.74	202	167306	13.23	ng	98
77) Pyrene	17.05	202	215398	14.90	ng	98
80) Benzo(a)anthracene	18.62	228	50560m	4.49	ng	
82) Chrysene	18.67	228	51137	4.70	ng	99
87) Benzo(b)fluoranthene	19.90	252	30390m	3.29	ng	
89) Benzo(a)pyrene	20.25	252	35524	4.16	ng	98
91) Benzo(a,h,i)perylene	21.99	276	14273	2.06	ng	94

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

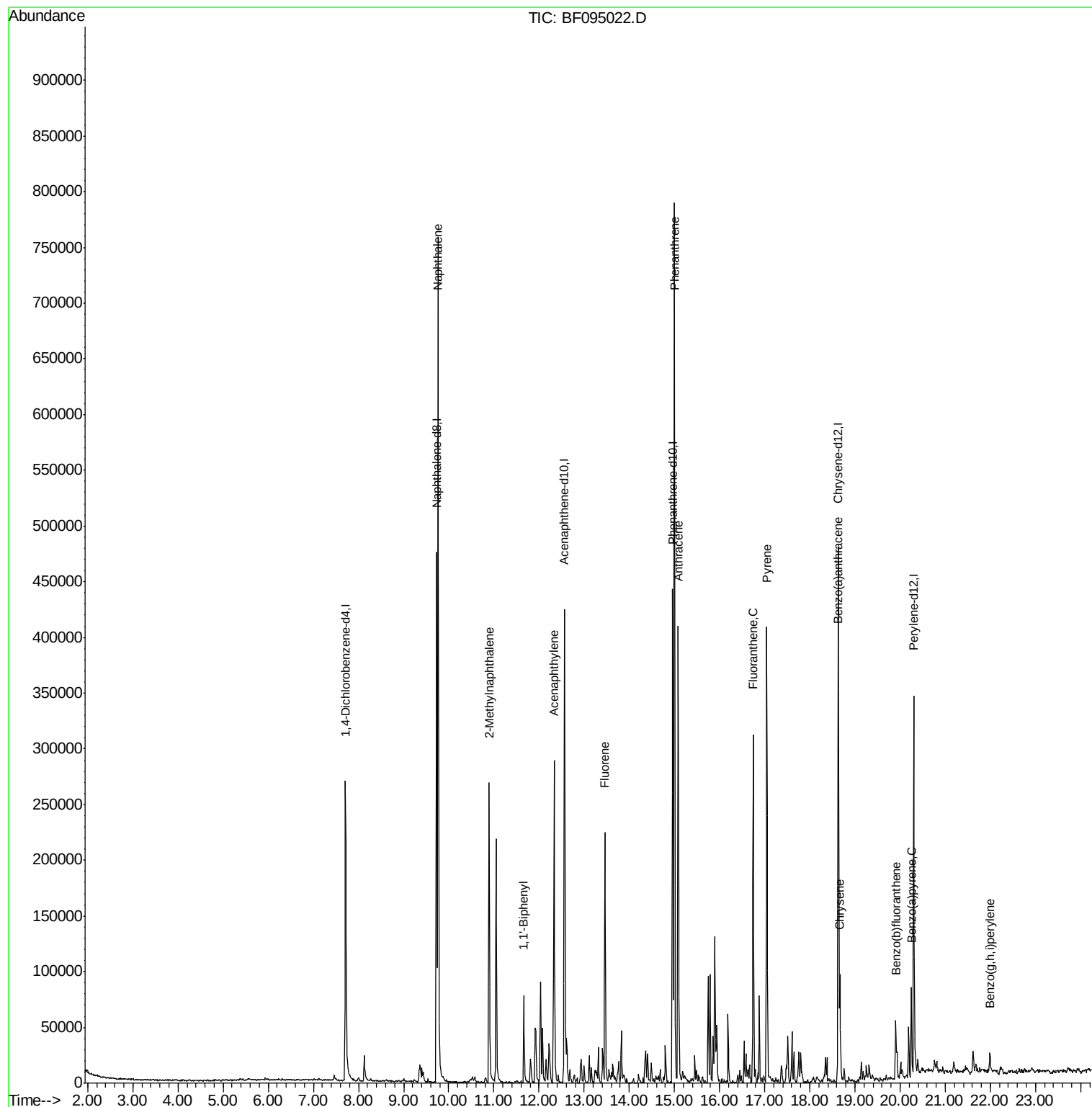
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050817\
Data File : BF095022.D
Acq On : 9 May 2017 14:15
Operator : SJ/MA
Sample : I3022-01DL 500X
Misc :
ALS Vial : 39 Sample Multiplier: 1

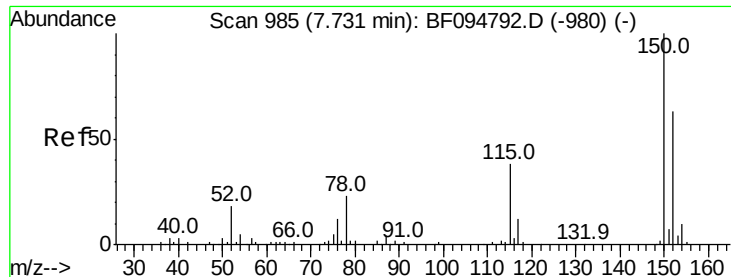
Instrument :
BNA_F
ClientSampleId :
WC-COMP-15DL

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Quant Time: May 09 16:26:23 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
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#1

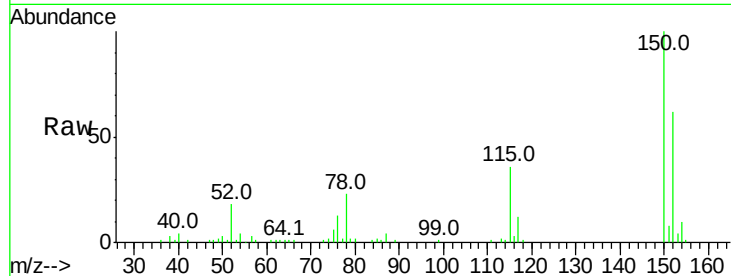
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.71 min Scan# 982
Delta R.T. -0.02 min
Lab File: BF095022.D
Acq: 9 May 2017 14:15

Instrument :
BNA_F
ClientSampleId :
WC-COMP-15DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.7	126.2	189.2
115	57.5	52.2	78.2

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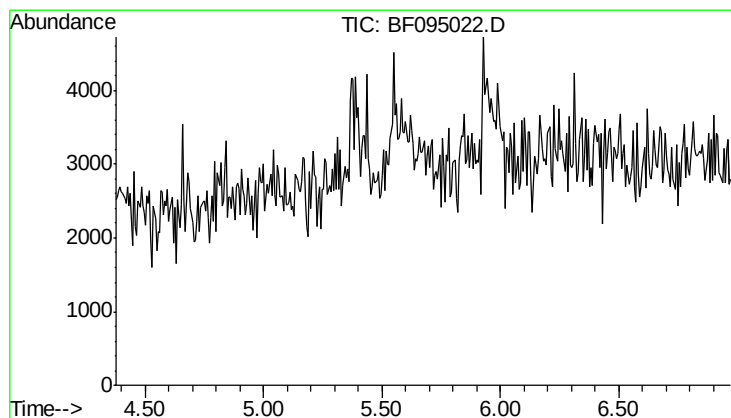
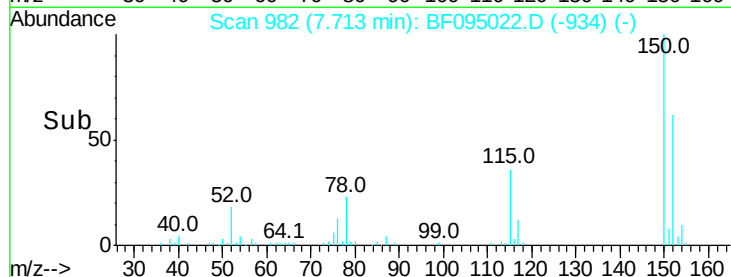
Abundance

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

Time-->

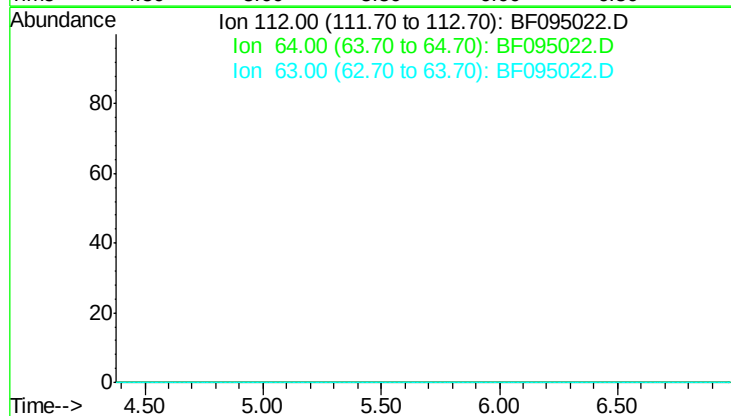


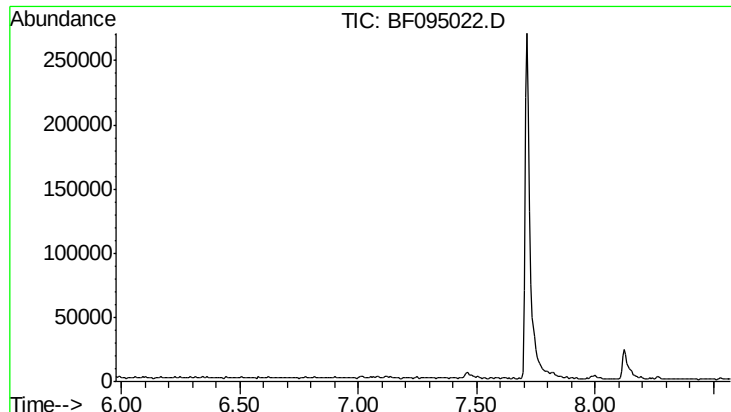
#5

2-Fluorophenol
Concen: 0.00 ng
Expected RT: 5.68 min

Lab File: BF095022.D
Acq: 9 May 2017 14:15

Tgt Ion	Sig	Exp Ratio
112	100	
64	57.5	
63	29.2	





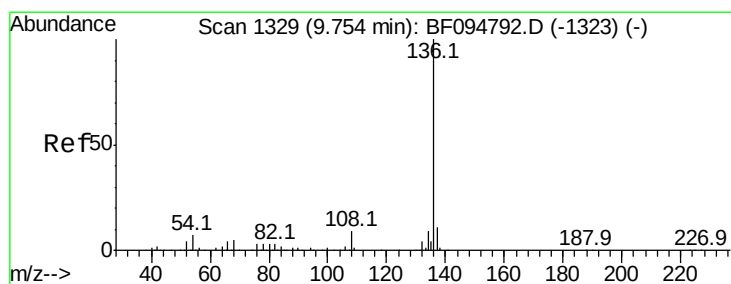
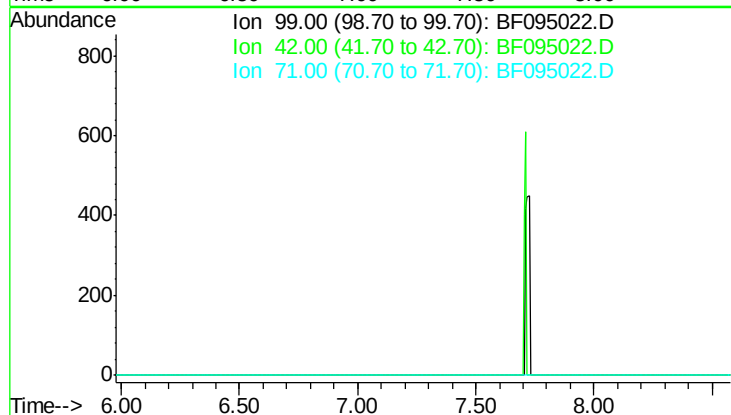
#7
 Phenol-d6
 Concen: 0.00 ng
 Expected RT: 7.28 min
 Lab File: BF095022.D
 Acq: 9 May 2017 14:15

Instrument :
 BNA_F
 ClientSampleId :
 WC-COMP-15DL

Tot Ion	99
Sig	Exp Ratio
99	100
42	16.9
71	30.6

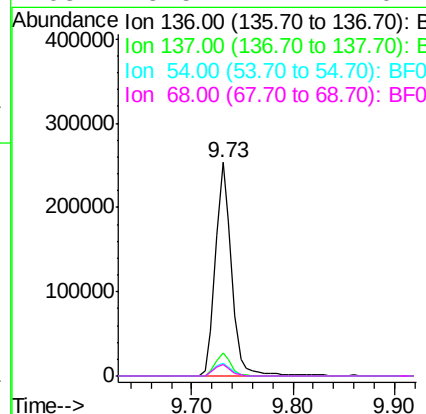
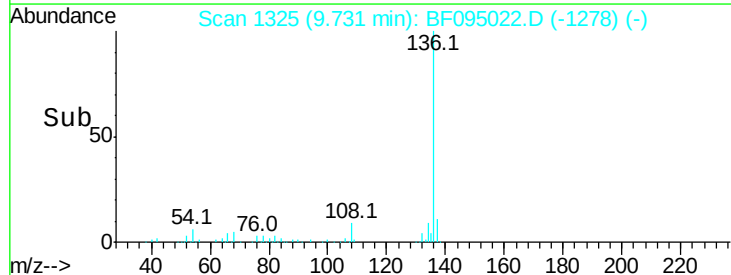
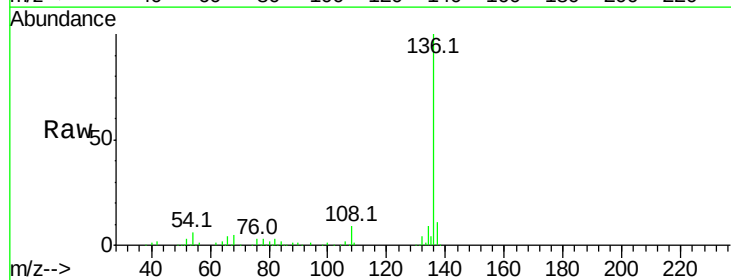
Manual Integrations
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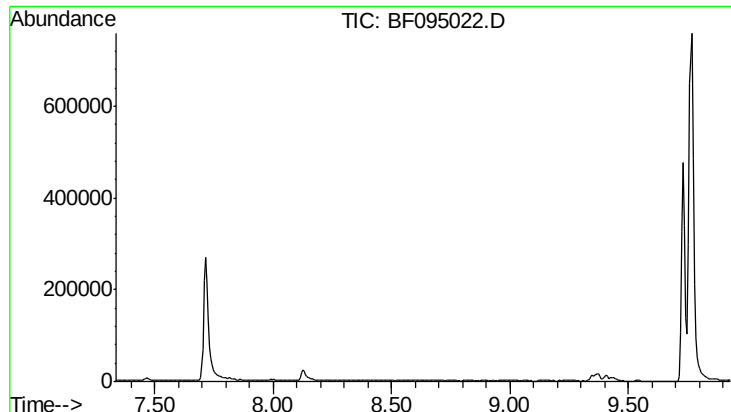
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#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 9.73 min Scan# 1325
 Delta R.T. -0.02 min
 Lab File: BF095022.D
 Acq: 9 May 2017 14:15

Tgt Ion	136	Resp	281051
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.5	12.7
54	6.3	4.9	7.3
68	5.5	4.1	6.1





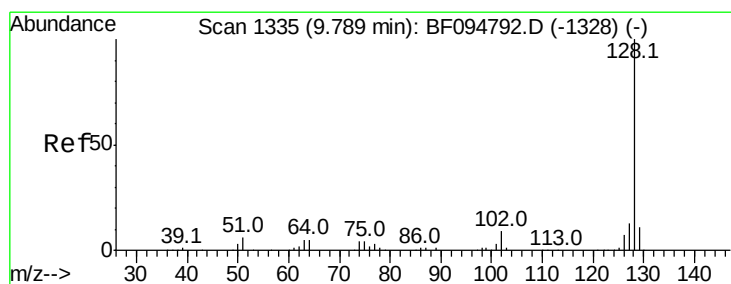
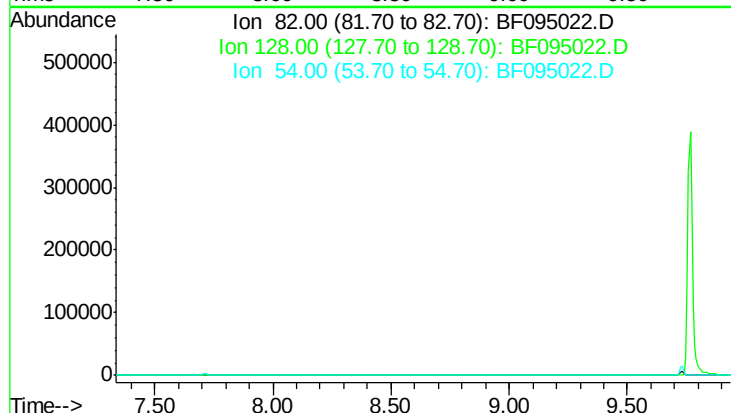
#23
 Nitrobenzene-d5
 Concen: 0.00 ng
 Expected RT: 8.64 min
 Lab File: BF095022.D
 Acq: 9 May 2017 14:15

Tot Ion	82
Sig	Exp Ratio
82	100
128	42.5
54	52.7

Instrument :
 BNA_F
 ClientSampleId :
 WC-COMP-15DL

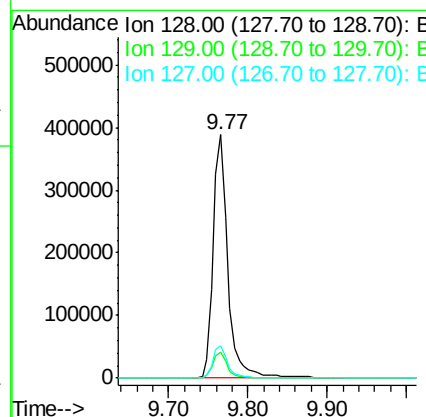
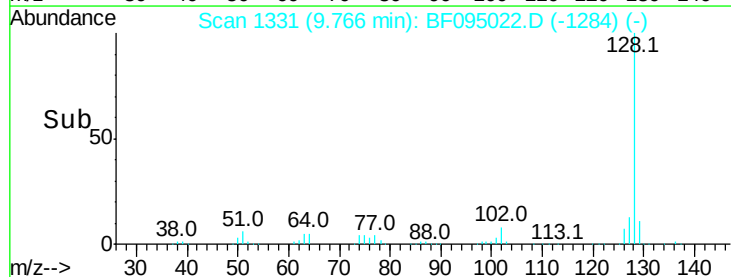
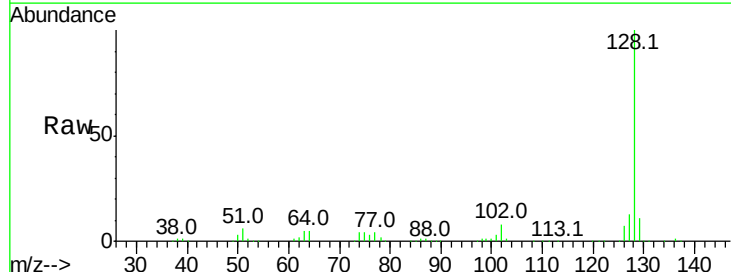
Manual Integrations
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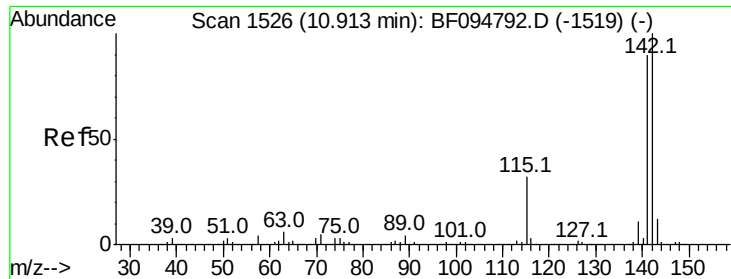
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#31
 Naphthalene
 Concen: 35.51 ng
 RT: 9.77 min Scan# 1331
 Delta R.T. -0.02 min
 Lab File: BF095022.D
 Acq: 9 May 2017 14:15

Tgt Ion	128	Resp	501625
Ion	Ratio	Lower	Upper
128	100		
129	10.6	9.0	13.6
127	13.4	10.8	16.2





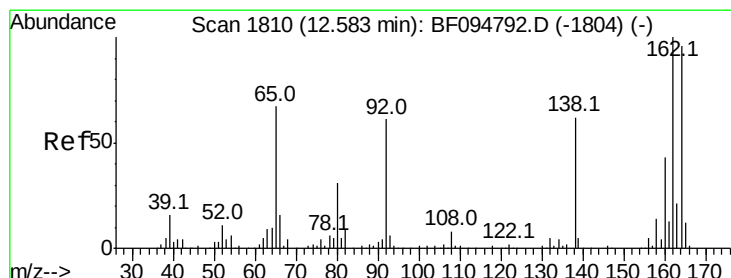
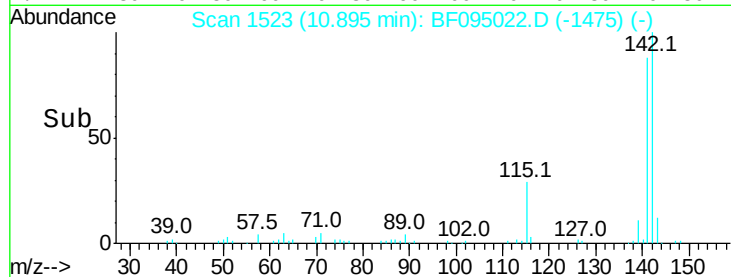
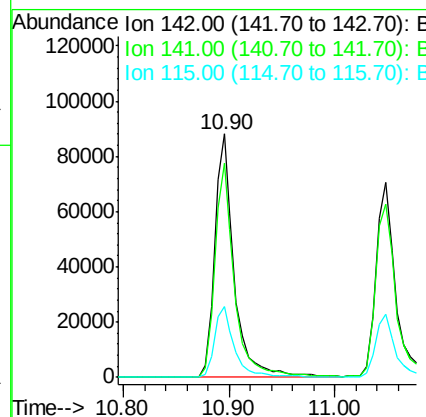
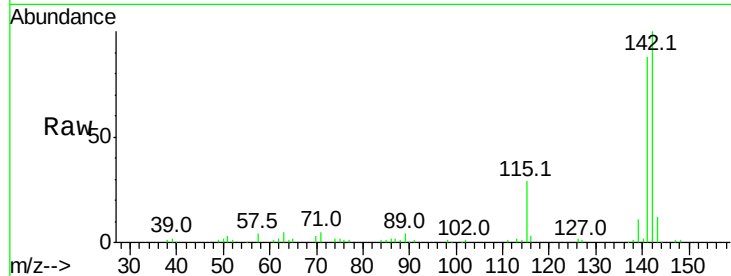
#37
2-Methylnaphthalene
Concen: 12.36 ng
RT: 10.90 min Scan# 1523
Delta R.T. -0.02 min
Lab File: BF095022.D
Acq: 9 May 2017 14:15

Instrument :
BNA_F
ClientSampleId :
WC-COMP-15DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.1	71.3	106.9
115	29.0	27.1	40.7

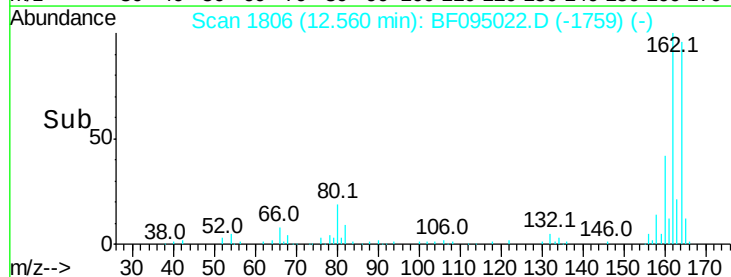
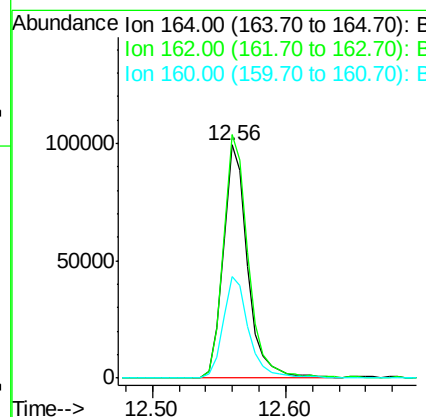
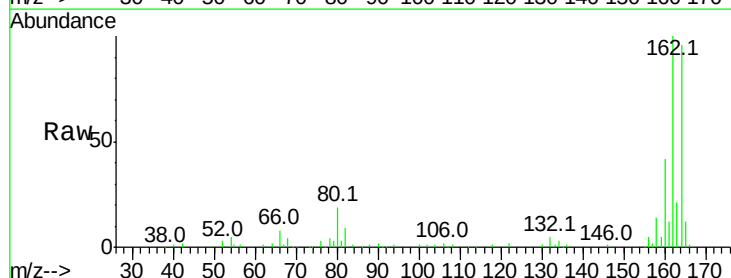
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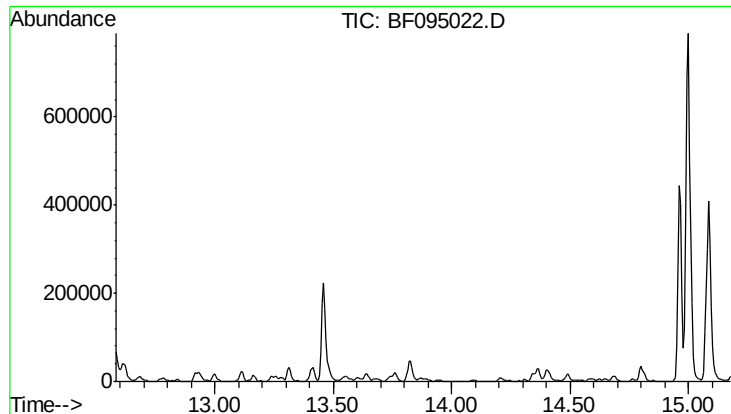
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.56 min Scan# 1806
Delta R.T. -0.02 min
Lab File: BF095022.D
Acq: 9 May 2017 14:15

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.5	82.6	123.8
160	43.8	36.2	54.2





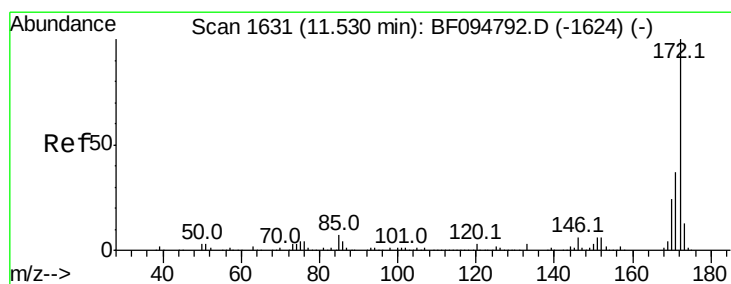
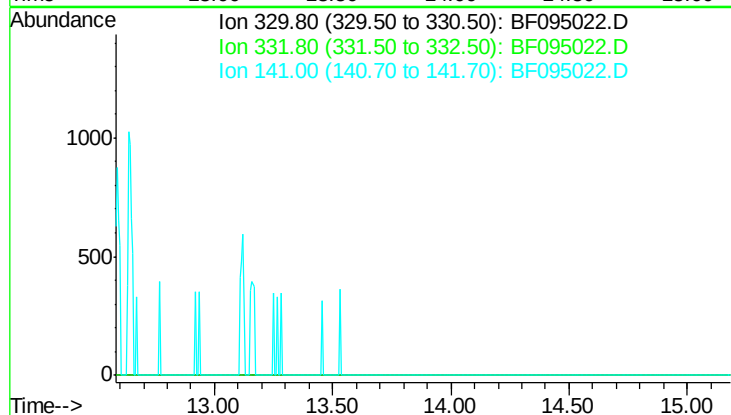
#41
 2,4,6-Tribromophenol
 Concen: 0.00 ng
 Expected RT: 13.88 min
 Lab File: BF095022.D
 Acq: 9 May 2017 14:15

Instrument :
 BNA_F
 ClientSampleId :
 WC-COMP-15DL

Tot Ion	330	332	141
Exp Ratio	100	95.8	39.3

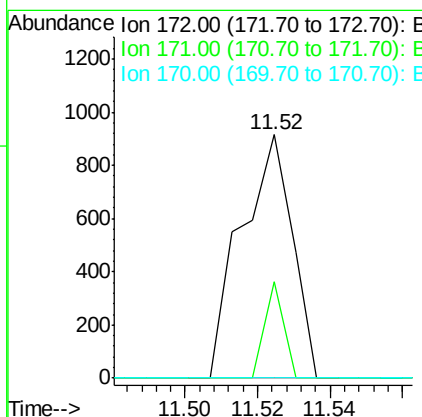
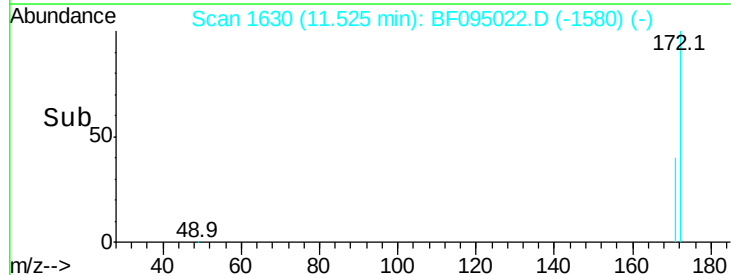
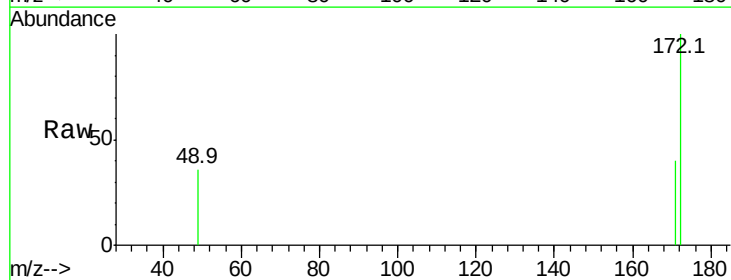
Manual Integrations
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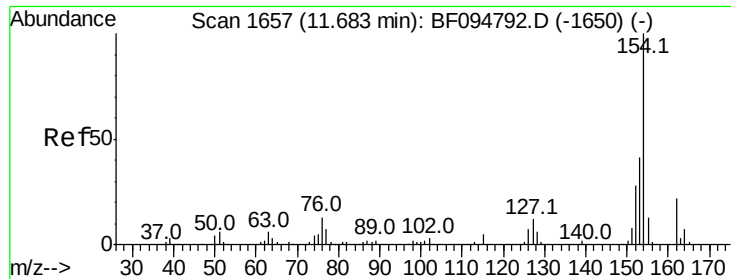
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#44
 2-Fluorobiphenyl
 Concen: 0.10 ng
 RT: 11.52 min Scan# 1630
 Delta R.T. -0.01 min
 Lab File: BF095022.D
 Acq: 9 May 2017 14:15

Tgt Ion	172	Resp	Lower	Upper
Ion Ratio	100			
171	39.7	29.6	44.4	
170	0.0	19.8	29.8	





#45

1,1'-Biphenyl

Concen: 4.01 ng

RT: 11.66 min Scan# 1653

Delta R.T. -0.02 min

Lab File: BF095022.D

Acq: 9 May 2017 14:15

Instrument :

BNA_F

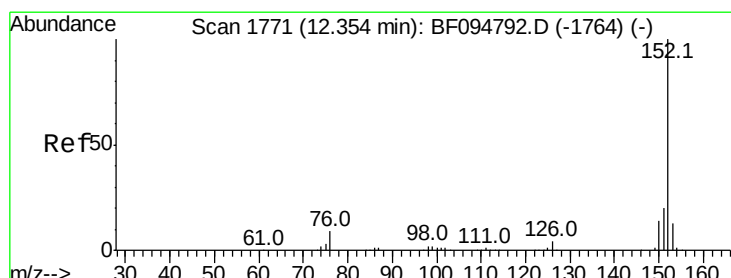
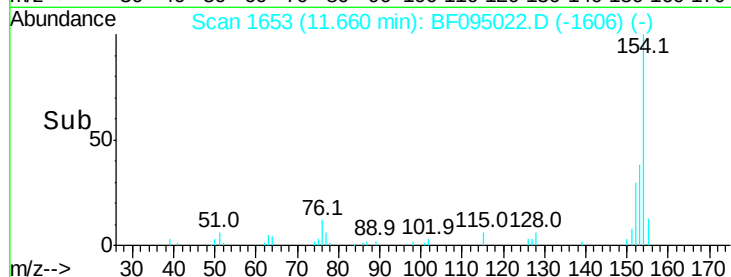
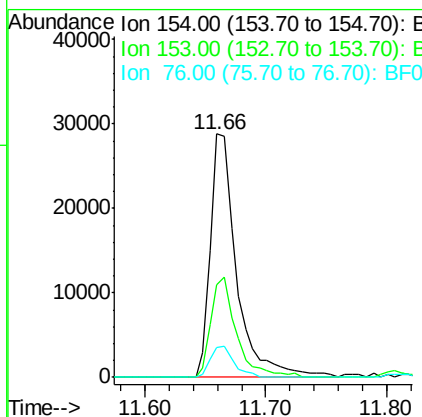
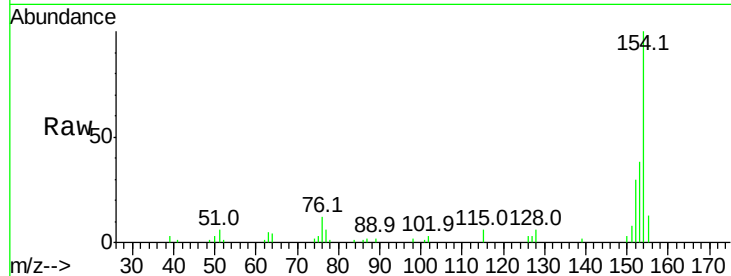
ClientSampleId :

WC-COMP-15DL

Tot Ion:	154	Resp:	43334
Ion Ratio	Lower	Upper	
154	100		
153	38.0	21.2	61.2
76	12.4	0.0	29.9

Manual Integrations
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#48

Acenaphthylene

Concen: 13.66 ng

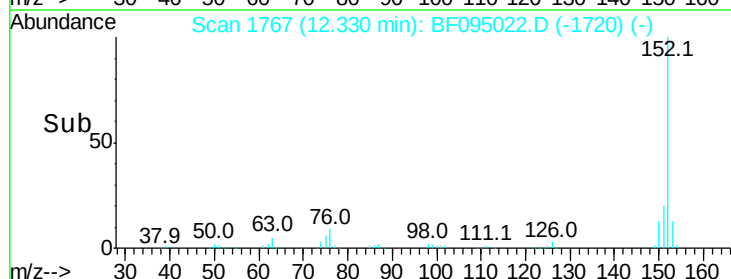
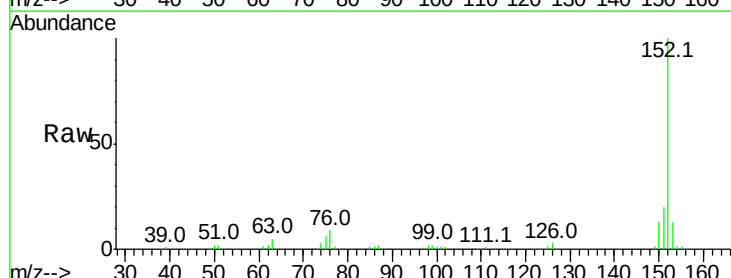
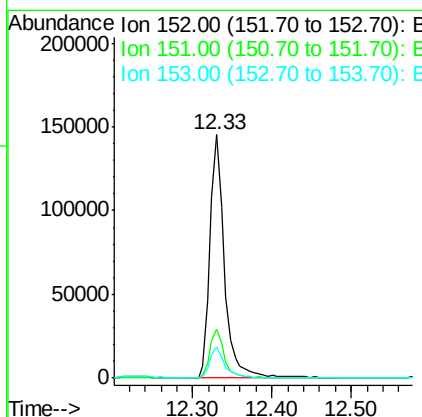
RT: 12.33 min Scan# 1767

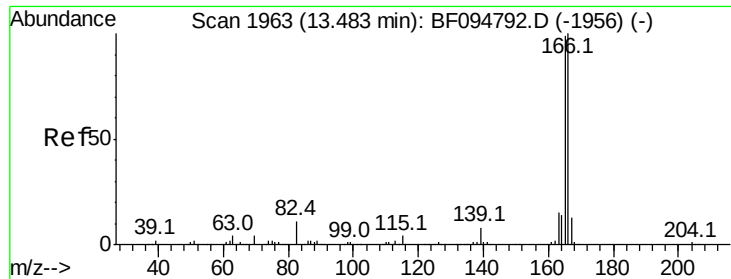
Delta R.T. -0.02 min

Lab File: BF095022.D

Acq: 9 May 2017 14:15

Tgt Ion:	152	Resp:	186525
Ion Ratio	Lower	Upper	
152	100		
151	19.9	16.8	25.2
153	13.0	10.8	16.2





#57

Fluorene

Concen: 9.03 ng

RT: 13.46 min Scan# 1959

Delta R.T. -0.02 min

Lab File: BF095022.D

Acq: 9 May 2017 14:15

Instrument :

BNA_F

ClientSampleId :

WC-COMP-15DL

Tot Ion:166 Resp: 88615

Ion Ratio Lower Upper

166 100

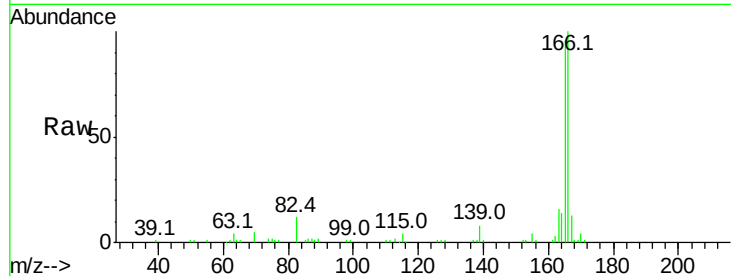
165 95.5 78.8 118.2

167 12.9 10.6 16.0

Manual Integrations
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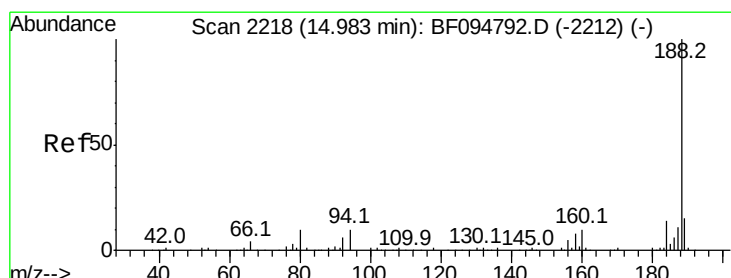
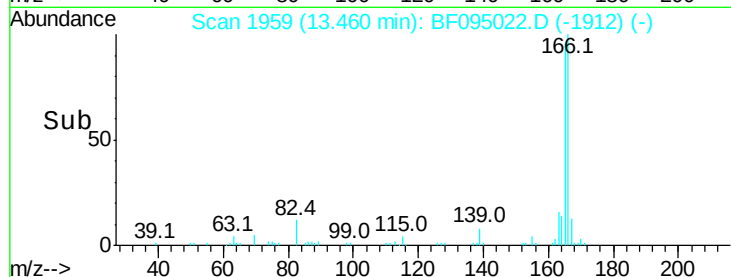
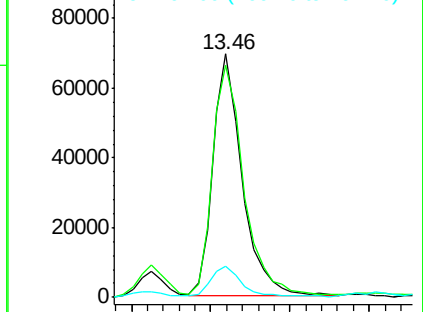
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.96 min Scan# 2214

Delta R.T. -0.02 min

Lab File: BF095022.D

Acq: 9 May 2017 14:15

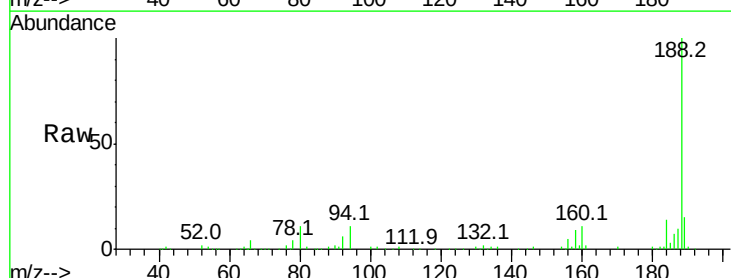
Tgt Ion:188 Resp: 214555

Ion Ratio Lower Upper

188 100

94 10.8 9.4 14.2

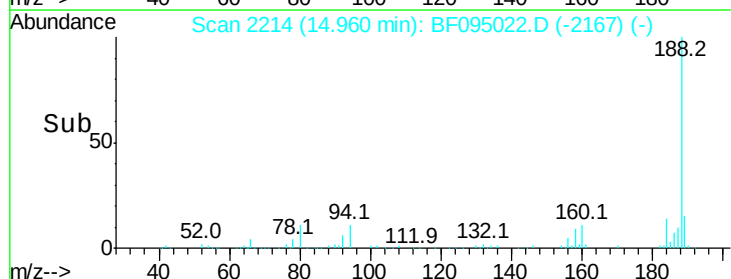
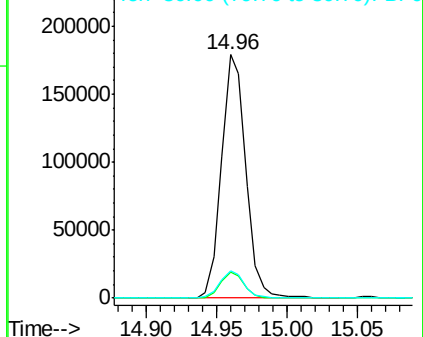
80 11.2 10.2 15.2

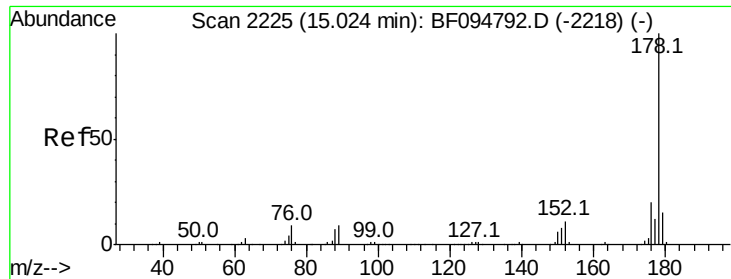


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





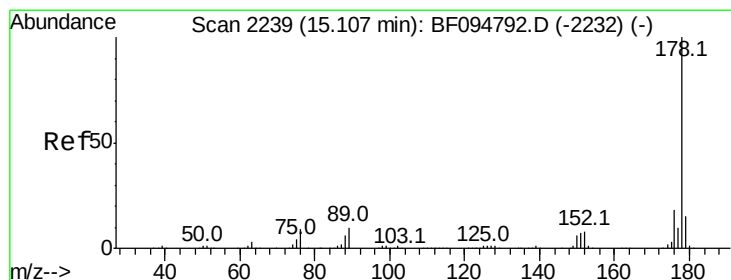
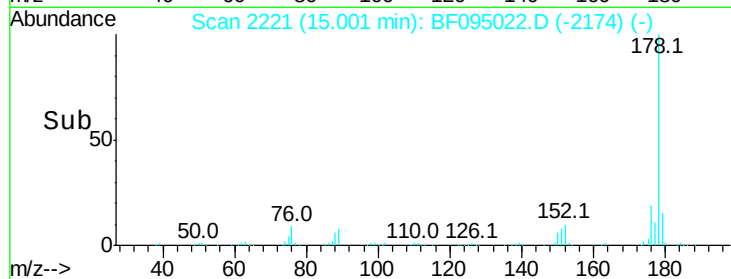
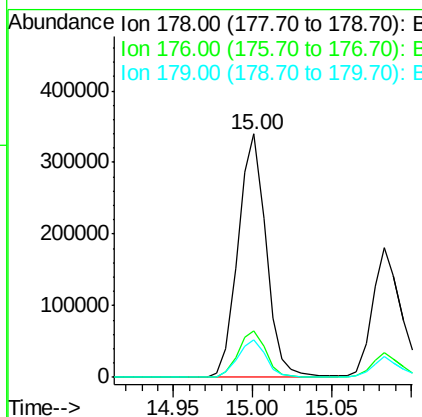
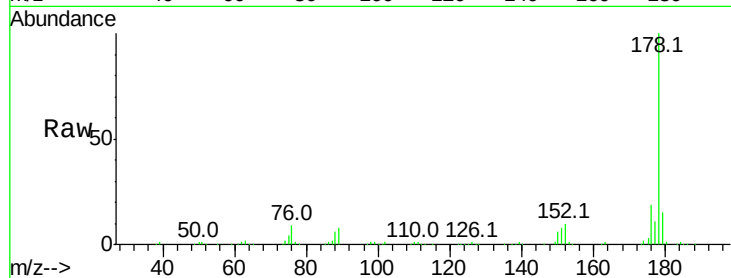
#70
Phenanthrene
Concen: 33.87 ng
RT: 15.00 min Scan# 2221
Delta R.T. -0.02 min
Lab File: BF095022.D
Acq: 9 May 2017 14:15

Instrument :
BNA_F
ClientSampleId :
WC-COMP-15DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.2	24.4
179	15.3	12.6	19.0

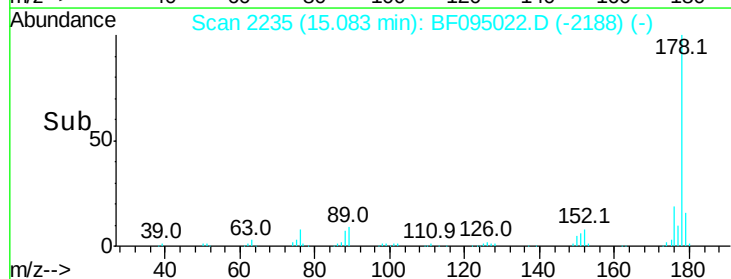
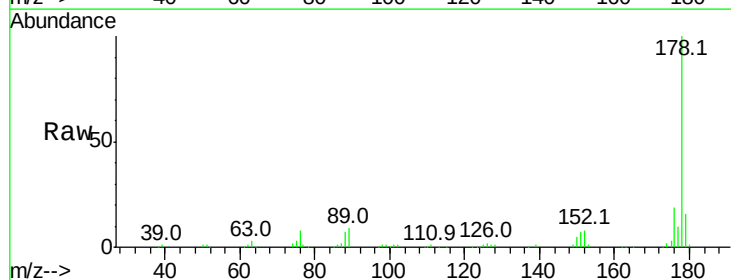
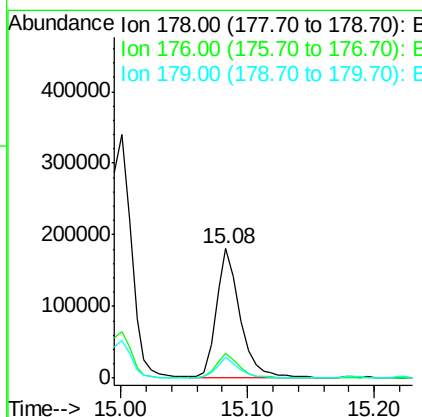
Manual Integrations
APPROVED

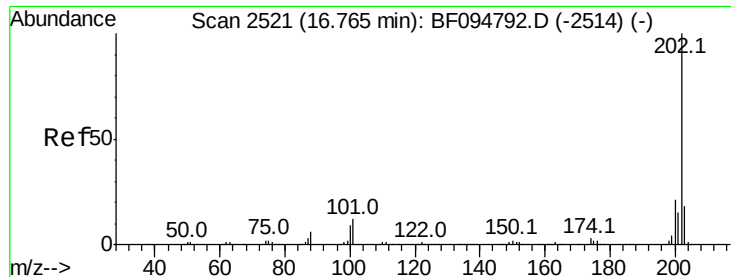
mohammad
5/9/2017 5:35:23 PM



#71
Anthracene
Concen: 18.60 ng
RT: 15.08 min Scan# 2235
Delta R.T. -0.02 min
Lab File: BF095022.D
Acq: 9 May 2017 14:15

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	15.7	12.7	19.1





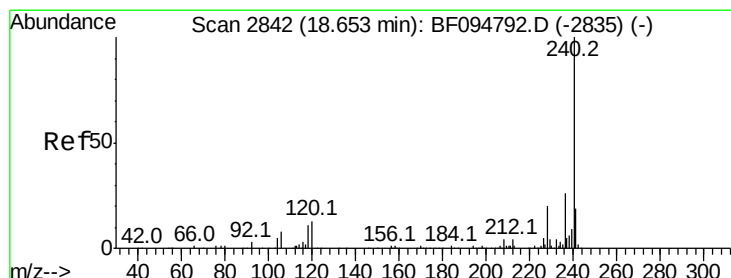
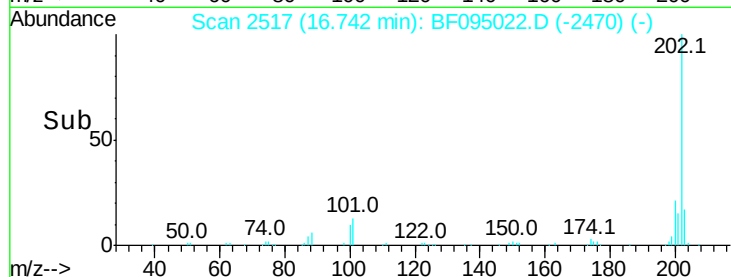
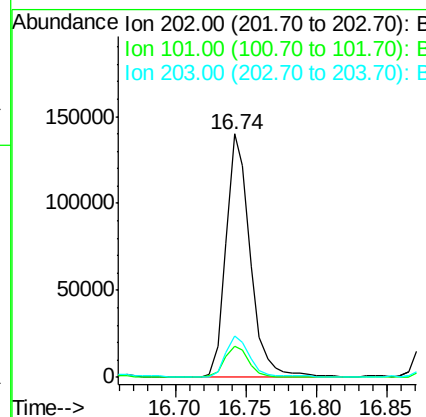
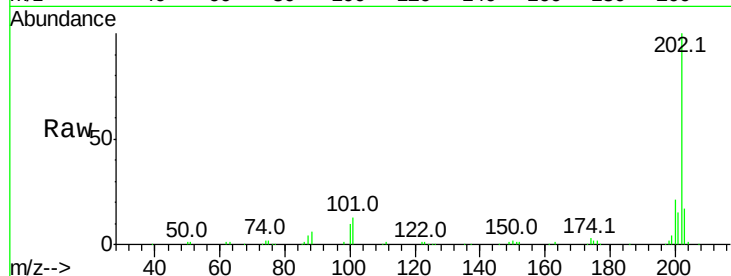
#74
 Fluoranthene
 Concen: 13.23 ng
 RT: 16.74 min Scan# 2517
 Delta R.T. -0.02 min
 Lab File: BF095022.D
 Acq: 9 May 2017 14:15

Instrument :
 BNA_F
 ClientSampleId :
 WC-COMP-15DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.0	0.0	33.2
203	17.0	0.0	38.1

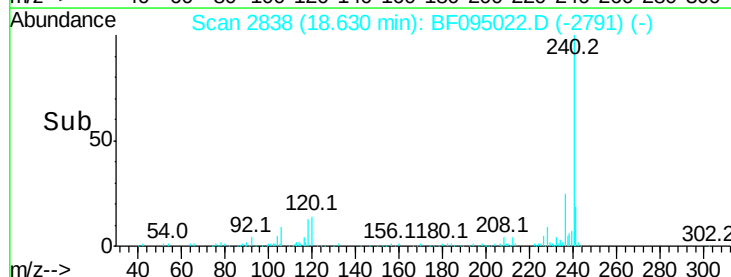
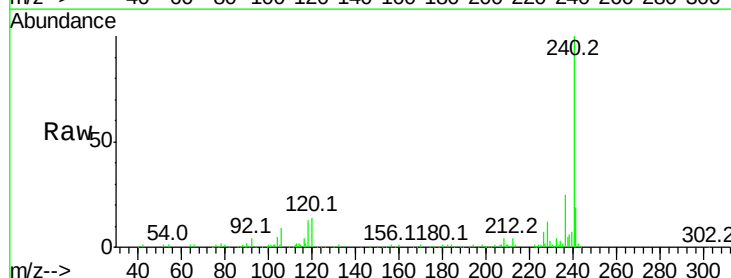
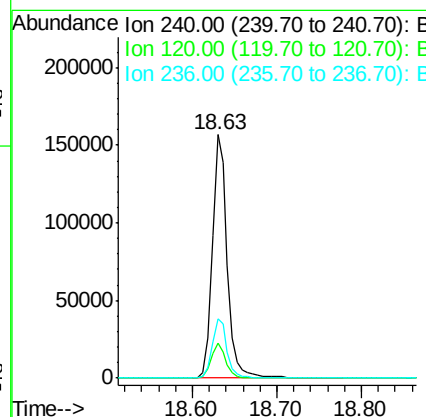
Manual Integrations
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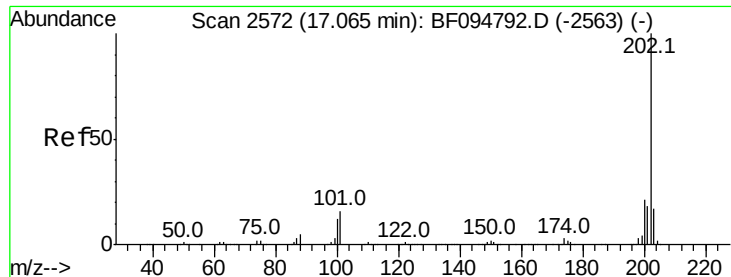
mohammad
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.63 min Scan# 2838
 Delta R.T. -0.02 min
 Lab File: BF095022.D
 Acq: 9 May 2017 14:15

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.1	5.8	8.8#
236	24.6	20.5	30.7





#77

Pvrene

Concen: 14.90 ng

RT: 17.05 min Scan# 2569

Delta R.T. -0.02 min

Lab File: BF095022.D

Acq: 9 May 2017 14:15

Instrument :

BNA_F

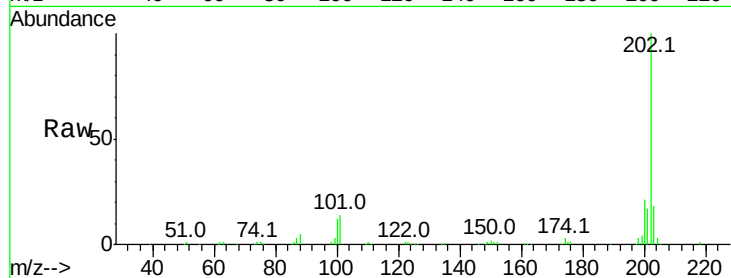
ClientSampleId :

WC-COMP-15DL

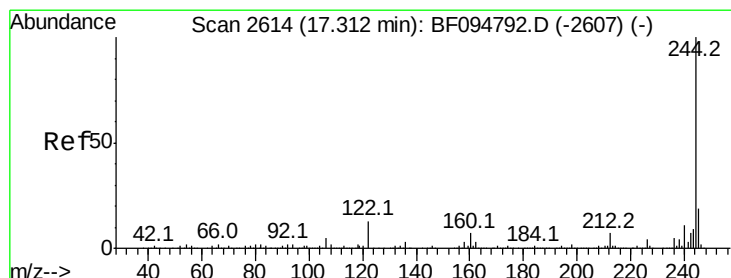
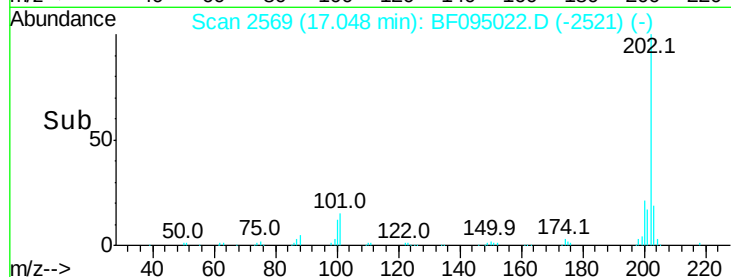
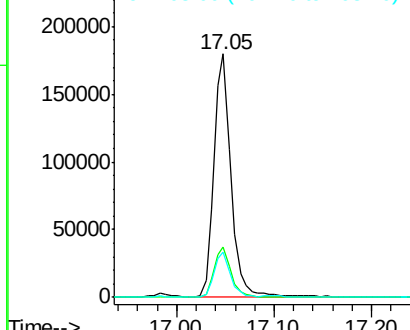
Tot Ion:	202	Resp:	215398
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.6	26.4
203	18.4	14.4	21.6

Manual Integrations
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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: 0.11 ng

RT: 17.29 min Scan# 2611

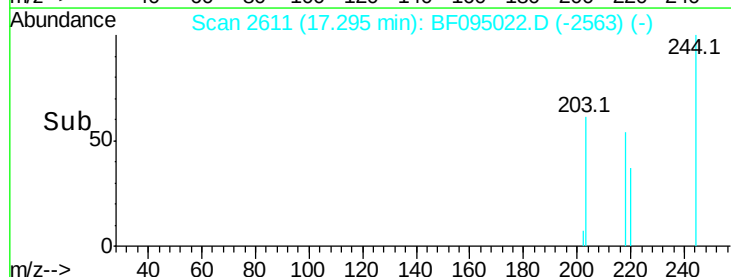
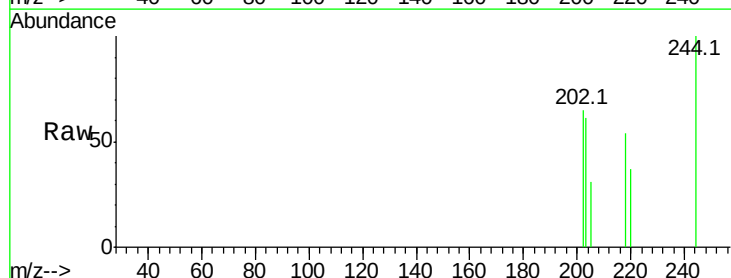
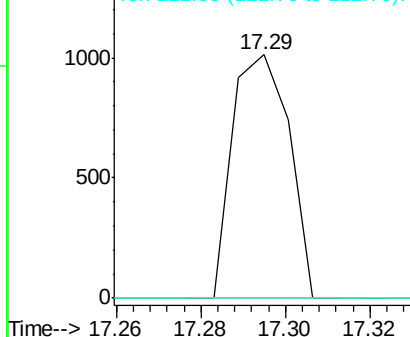
Delta R.T. -0.02 min

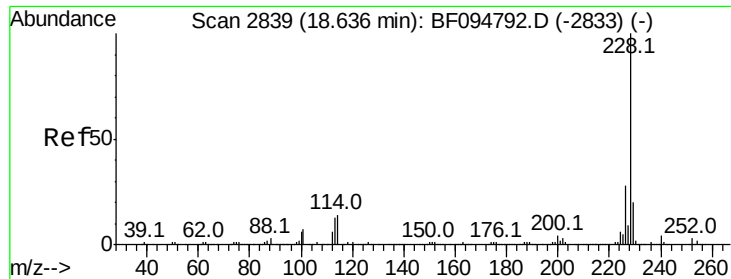
Lab File: BF095022.D

Acq: 9 May 2017 14:15

Tgt Ion:	244	Resp:	944
Ion Ratio	Lower	Upper	
244	100		
212	0.0	6.0	9.0#
122	0.0	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





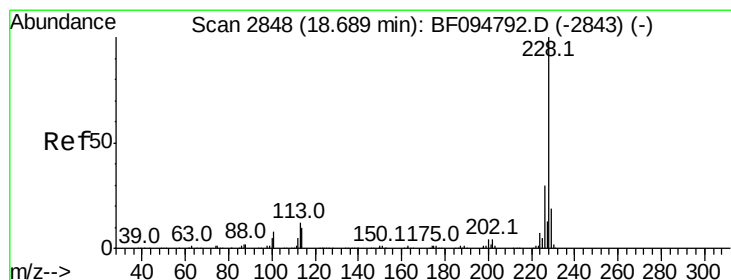
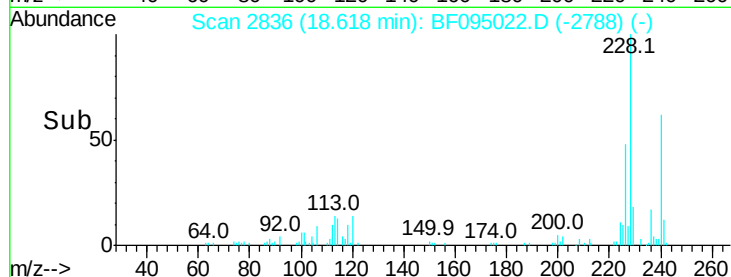
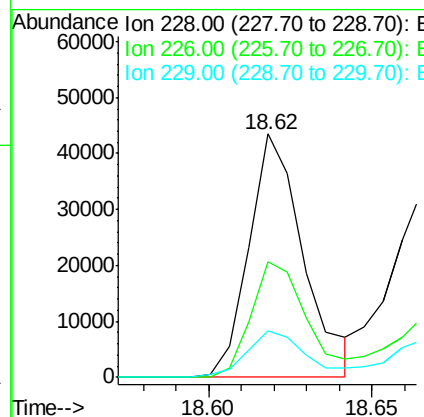
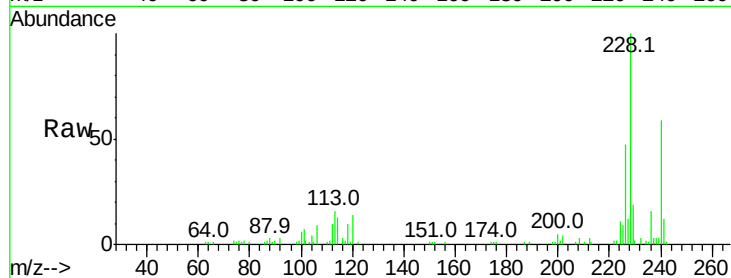
#80
Benzo(a)anthracene
Concen: 4.49 ng
RT: 18.62 min Scan# 2836
Delta R.T. -0.02 min
Lab File: BF095022.D
Acq: 9 May 2017 14:15

Instrument :
BNA_F
ClientSampleId :
WC-COMP-15DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	47.5	22.6	33.8#
229	19.2	16.3	24.5

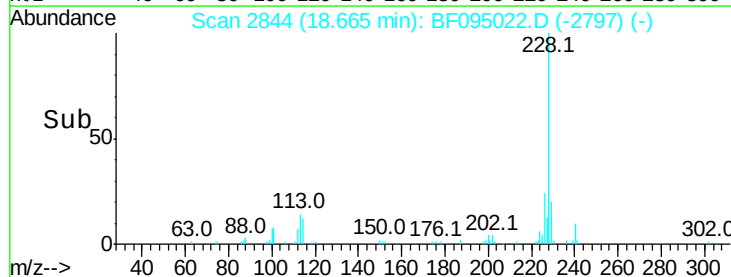
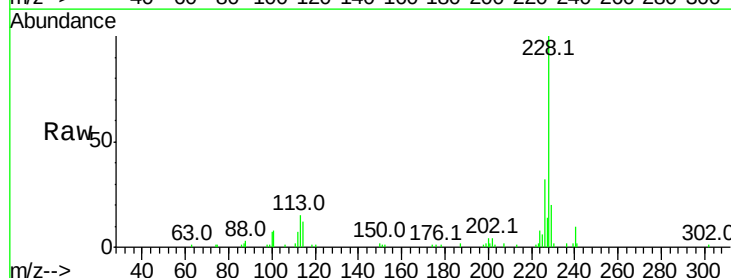
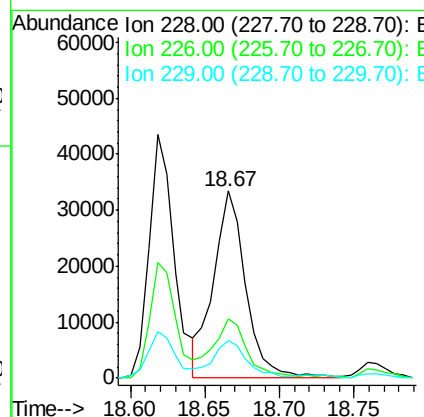
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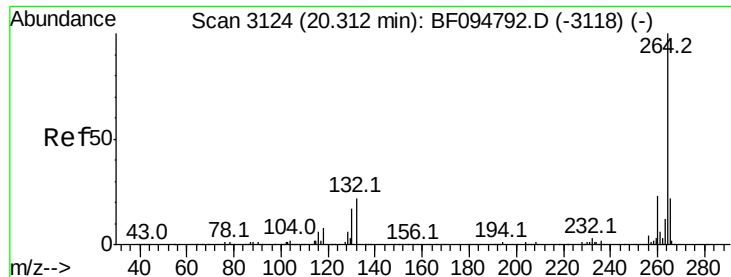
mohammad
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#82
Chrysene
Concen: 4.70 ng
RT: 18.67 min Scan# 2844
Delta R.T. -0.02 min
Lab File: BF095022.D
Acq: 9 May 2017 14:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.8	24.9	37.3
229	19.9	15.8	23.6





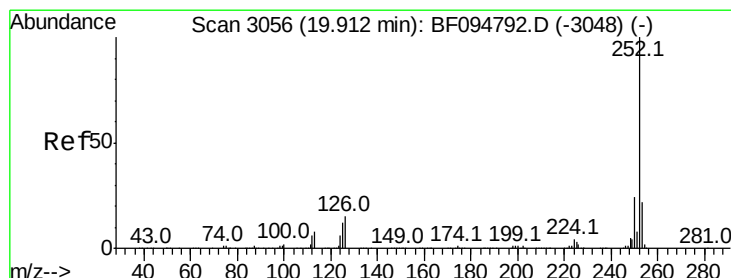
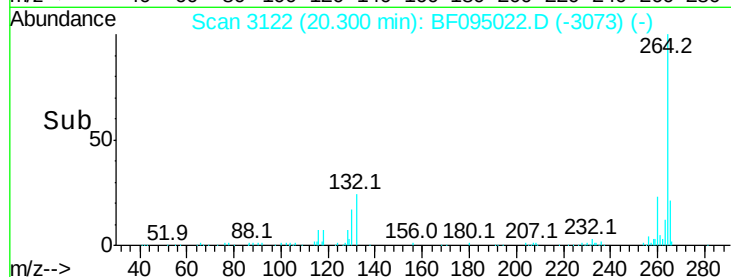
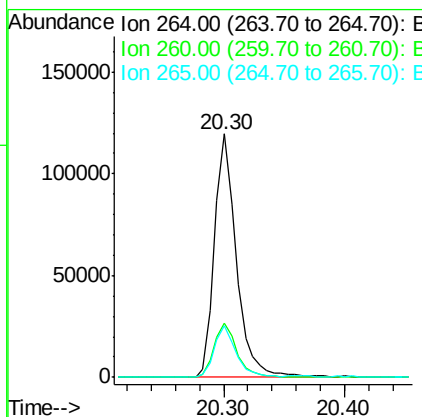
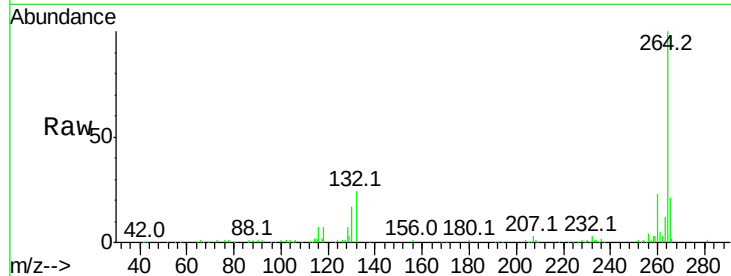
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BF095022.D
Acq: 9 May 2017 14:15

Instrument :
BNA_F
ClientSampleId :
WC-COMP-15DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.5	29.3
265	21.2	17.2	25.8

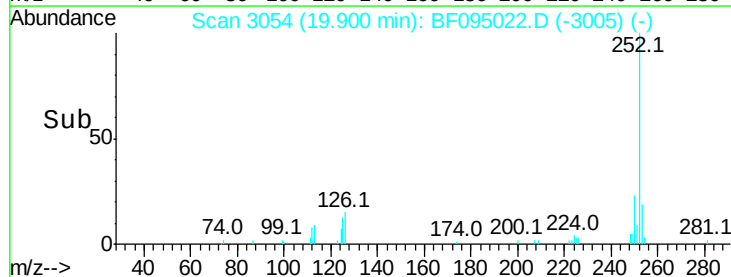
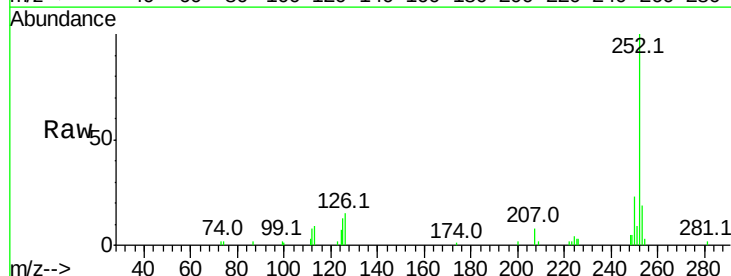
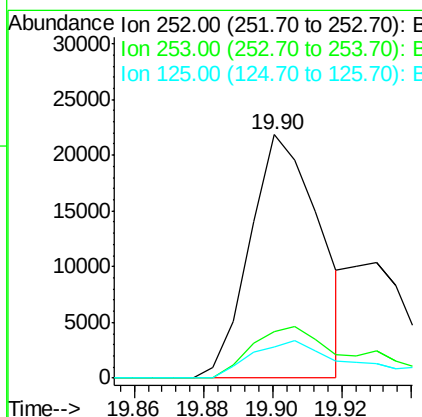
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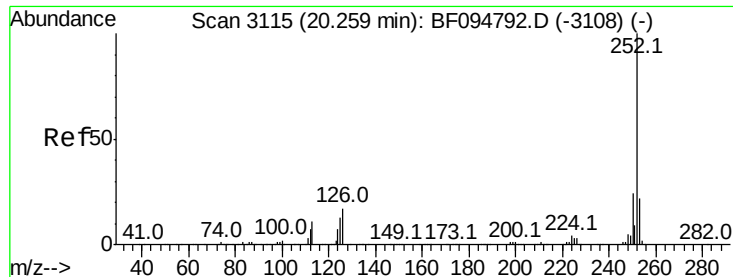
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#87
Benzo(b)fluoranthene
Concen: 3.29 ng m
RT: 19.90 min Scan# 3054
Delta R.T. -0.01 min
Lab File: BF095022.D
Acq: 9 May 2017 14:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	19.0	18.1	27.1
125	12.9	9.8	14.8





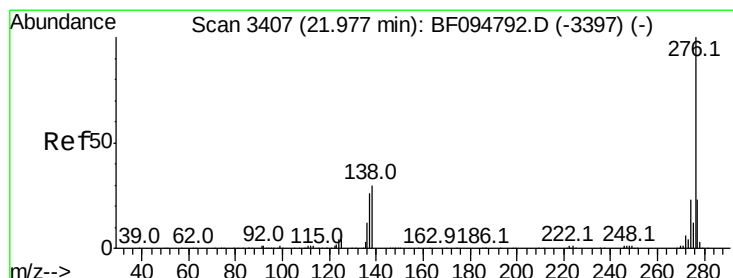
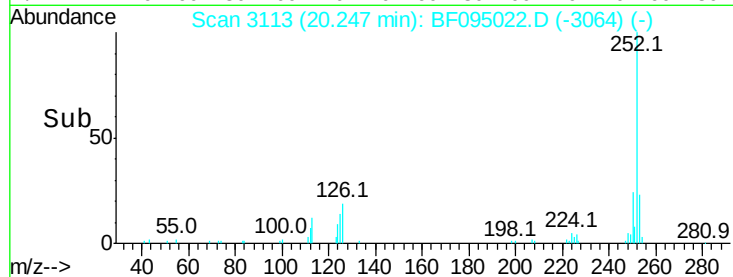
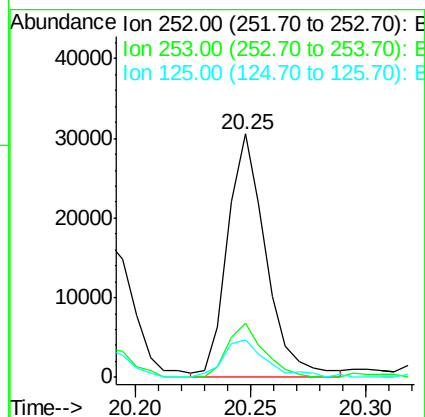
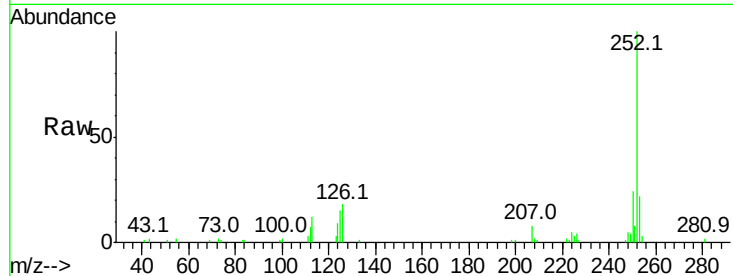
#89
Benzo(a)pyrene
Concen: 4.16 ng
RT: 20.25 min Scan# 3113
Delta R.T. -0.01 min
Lab File: BF095022.D
Acq: 9 May 2017 14:15

Instrument :
BNA_F
ClientSampleId :
WC-COMP-15DL

Tot Ion:	252	Resp:	35524
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.5	26.3
125	15.2	11.0	16.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 2.06 ng
RT: 21.99 min Scan# 3409
Delta R.T. 0.01 min
Lab File: BF095022.D
Acq: 9 May 2017 14:15

Tgt Ion:	276	Resp:	14273
Ion Ratio	Lower	Upper	
276	100		
277	20.5	18.6	28.0
138	28.5	25.4	38.0

