

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061617\
 Data File : BF095996.D
 Acq On : 17 Jun 2017 14:10
 Operator : SJ/MA
 Sample : I3683-01 10X
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CC-4-COMP

Manual Integrations
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Quant Time: Jun 19 02:07:09 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 16 17:12:03 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.32	152	68066	20.00	ng	0.00
21) Naphthalene-d8	9.35	136	275521	20.00	ng	0.00
38) Acenaphthene-d10	12.17	164	115332	20.00	ng	-0.01
63) Phenanthrene-d10	14.56	188	166039	20.00	ng	0.00
75) Chrysene-d12	18.29	240	144541	20.00	ng	-0.01
86) Perylene-d12	19.96	264	127906	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.34	112	21830m	5.11	ng	0.12
7) Phenol-d6	7.00	99	38027m	7.44	ng	0.09
23) Nitrobenzene-d5	8.30	82	23057	5.20	ng	0.05
41) 2,4,6-Tribromophenol	13.50	330	4875	4.78	ng	0.02
44) 2-Fluorobiphenyl	11.13	172	61228	7.39	ng	0.00
78) Terphenyl-d14	16.94	244	35046	6.02	ng	-0.01

Target Compounds

						Qvalue
31) Naphthalene	9.39	128	286482	20.72	ng	99
37) 2-Methylnaphthalene	10.52	142	62149	6.65	ng	96
51) Acenaphthene	12.22	154	49676	6.77	ng	99
54) Dibenzofuran	12.52	168	93645	9.07	ng	93
57) Fluorene	13.06	166	86699	9.65	ng	96
70) Phenanthrene	14.60	178	524797	54.78	ng	98
71) Anthracene	14.69	178	139089	13.91	ng	95
72) Carbazole	15.00	167	72538	7.44	ng	97
74) Fluoranthene	16.39	202	360525	38.02	ng	99
77) Pyrene	16.69	202	311736	28.90	ng	# 94
80) Benzo(a)anthracene	18.27	228	144229	17.16	ng	95
82) Chrysene	18.32	228	130608m	15.55	ng	
83) Bis(2-ethylhexyl)phthalate	18.36	149	19553	2.94	ng	# 98
85) Indeno(1,2,3-cd)pyrene	21.13	276	42892	5.97	ng	93
87) Benzo(b)fluoranthene	19.56	252	132249	16.51	ng	# 95
88) Benzo(k)fluoranthene	19.59	252	45575m	5.95	ng	
89) Benzo(a)pyrene	19.90	252	96713	13.14	ng	96
90) Dibenzo(a,h)anthracene	21.12	278	14767	2.36	ng	# 82
91) Benzo(a,h,i)perylene	21.46	276	39476	6.20	ng	96

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

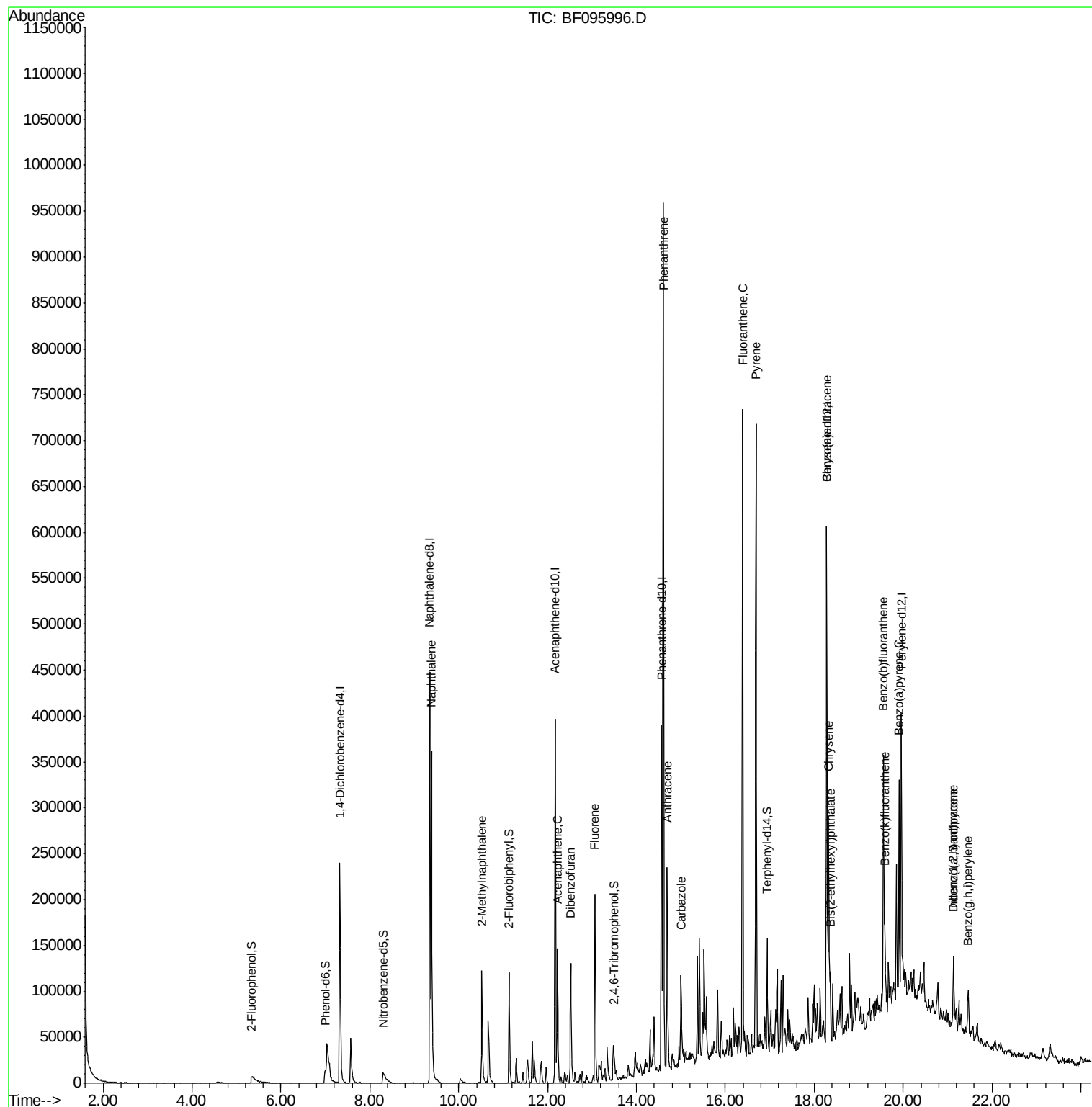
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061617\
Data File : BF095996.D
Acq On : 17 Jun 2017 14:10
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ALS Vial : 45 Sample Multiplier: 1

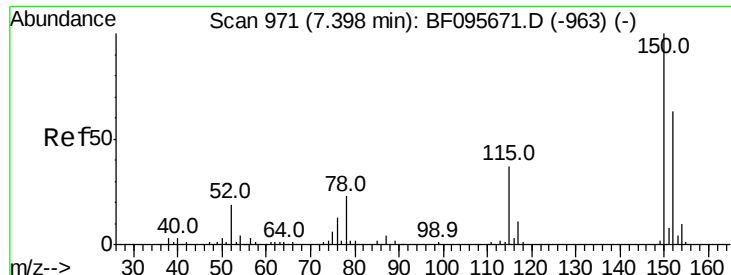
Instrument :
BNA_F
ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

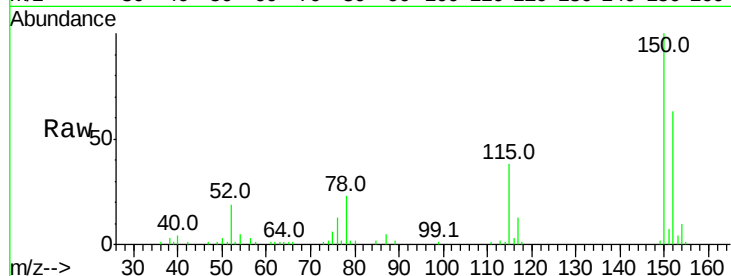
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.32 min Scan# 975
Delta R.T. 0.00 min
Lab File: BF095996.D
Acq: 17 Jun 2017 14:10

Instrument :
BNA_F
ClientSampleId :
CC-4-COMP

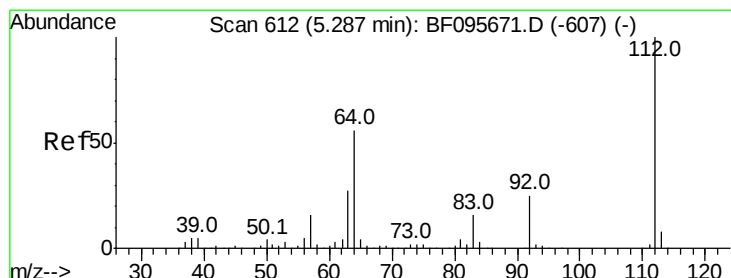
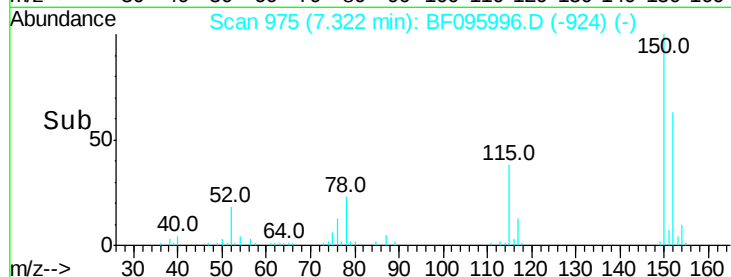
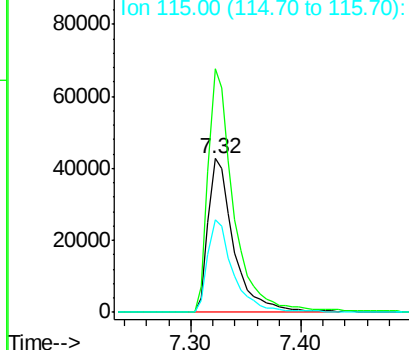
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	126.2	189.2
115	60.1	52.2	78.2

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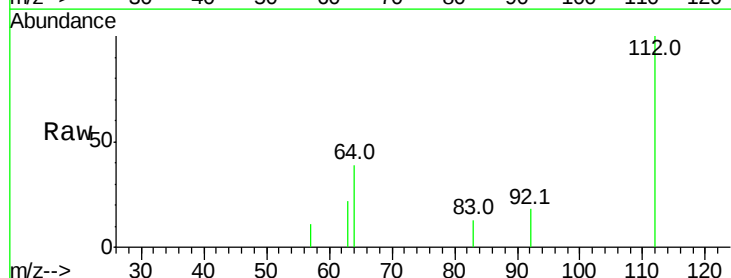
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



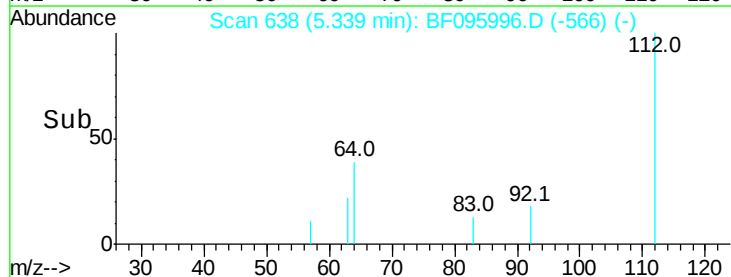
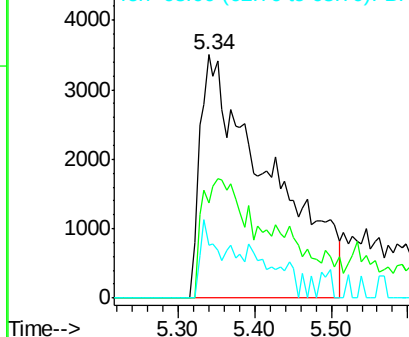
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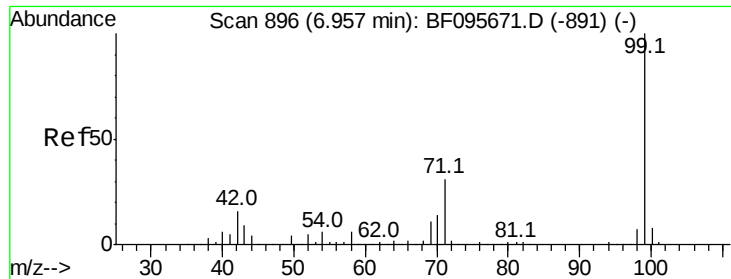
2-Fluorophenol
Concen: 5.11 ng m
RT: 5.34 min Scan# 638
Delta R.T. 0.12 min
Lab File: BF095996.D
Acq: 17 Jun 2017 14:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	39.2	46.0	69.0#
63	21.6	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: 7.44 ng/mL

RT: 7.00 min Scan# 920

Delta R.T. 0.09 min

Lab File: BF095996.D

Acq: 17 Jun 2017 14:10

Instrument :

BNA_F

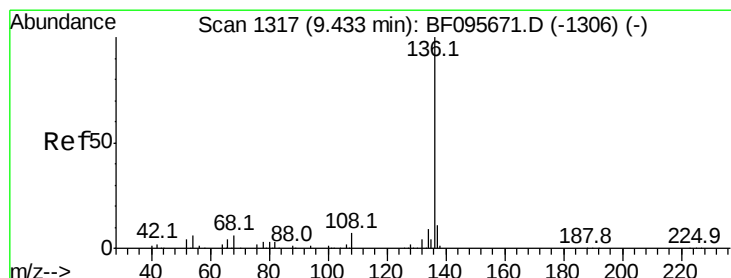
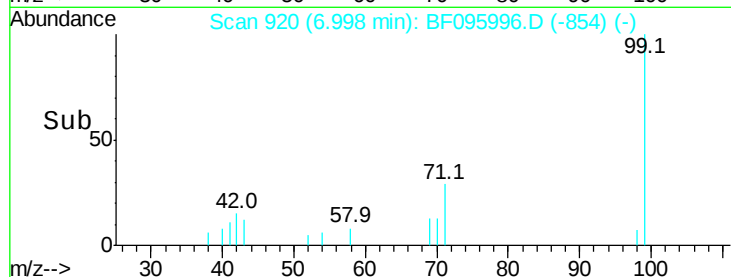
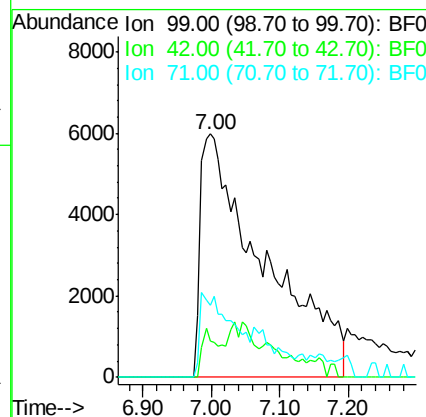
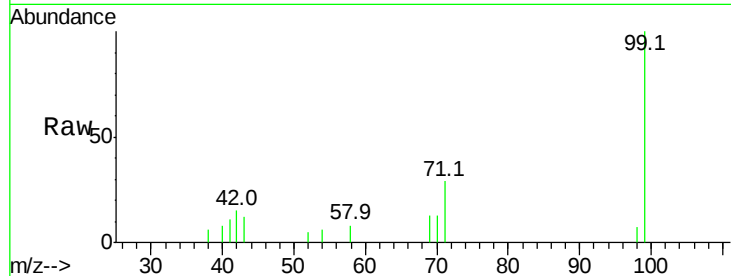
ClientSampleId :

CC-4-COMP

Tot Ion:	99	Resp:	38027
Ion Ratio	Lower	Upper	
99	100		
42	15.0	13.5	20.3
71	29.4	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

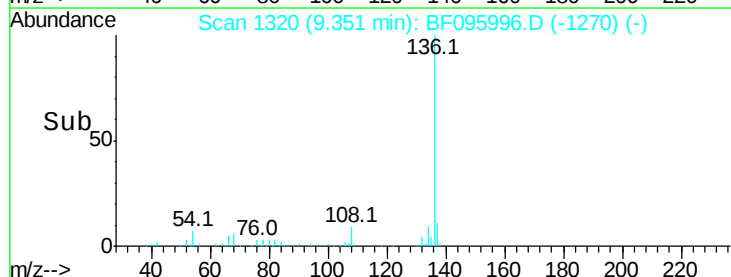
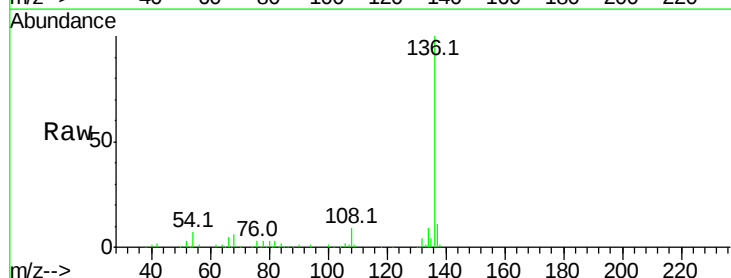
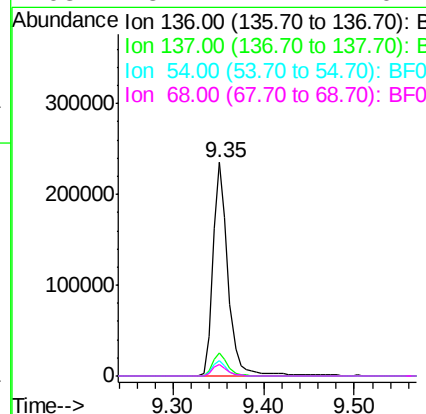
RT: 9.35 min Scan# 1320

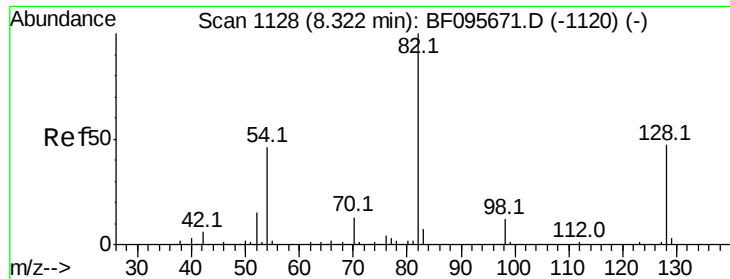
Delta R.T. -0.01 min

Lab File: BF095996.D

Acq: 17 Jun 2017 14:10

Tgt Ion:	136	Resp:	275521
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.5	12.7
54	7.0	4.9	7.3
68	5.7	4.1	6.1





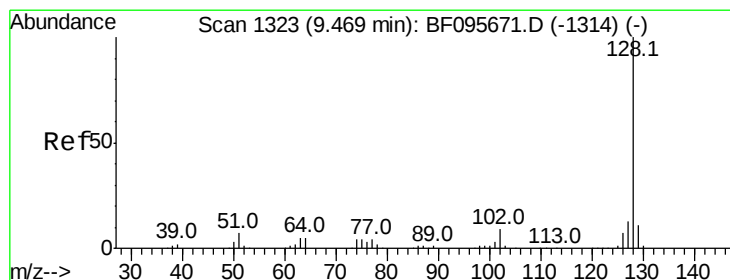
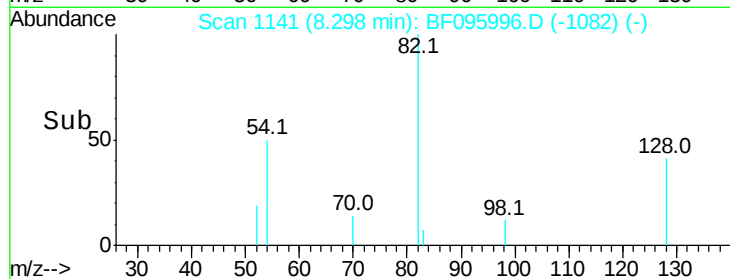
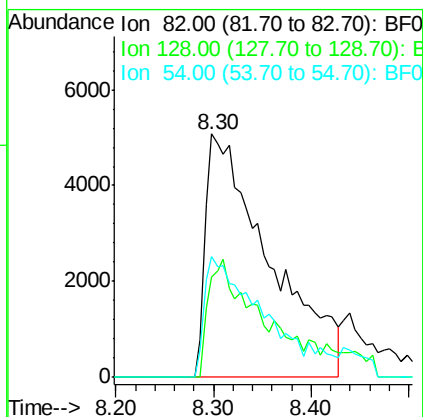
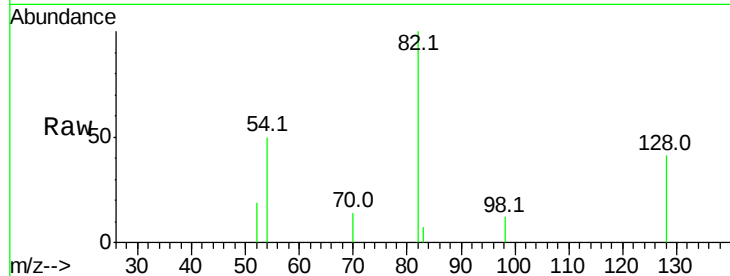
#23
Nitrobenzene-d5
Concen: 5.20 ng
RT: 8.30 min Scan# 1141
Delta R.T. 0.05 min
Lab File: BF095996.D
Acq: 17 Jun 2017 14:10

Instrument :
BNA_F
ClientSampleId :
CC-4-COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.4	34.0	51.0
54	49.6	42.2	63.2

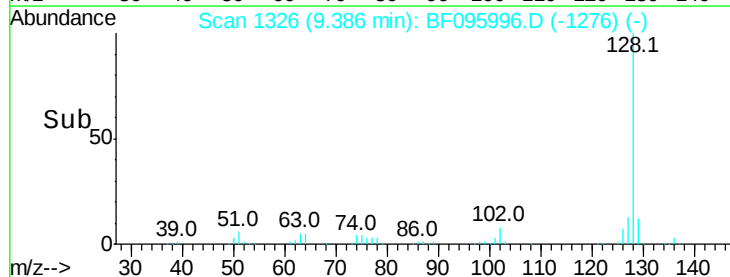
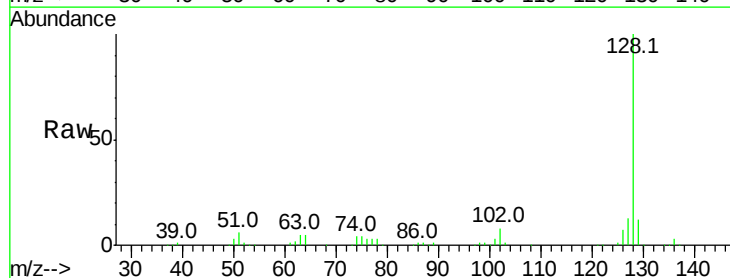
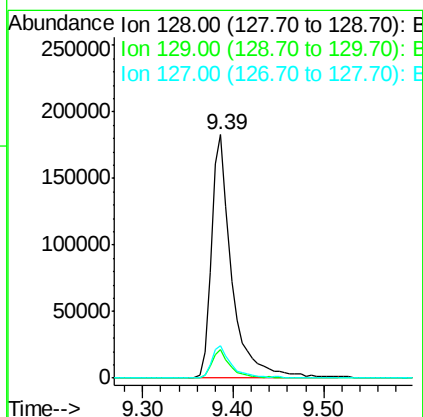
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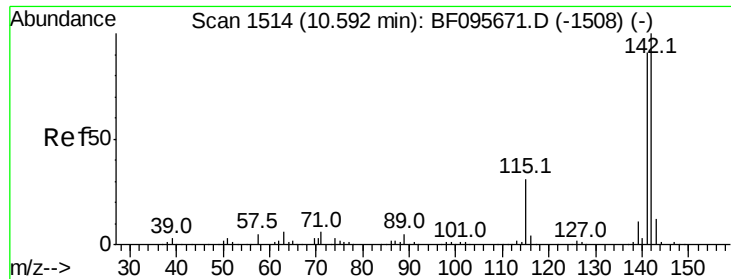
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#31
Naphthalene
Concen: 20.72 ng
RT: 9.39 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF095996.D
Acq: 17 Jun 2017 14:10

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.0	13.6
127	13.1	10.8	16.2





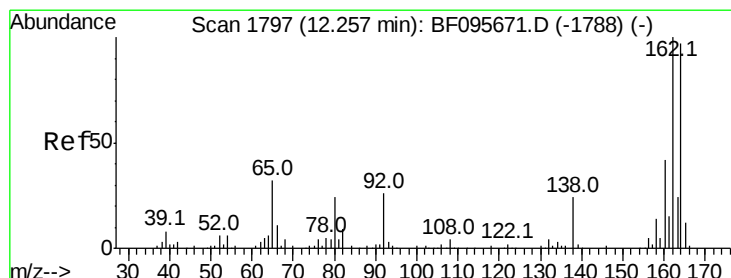
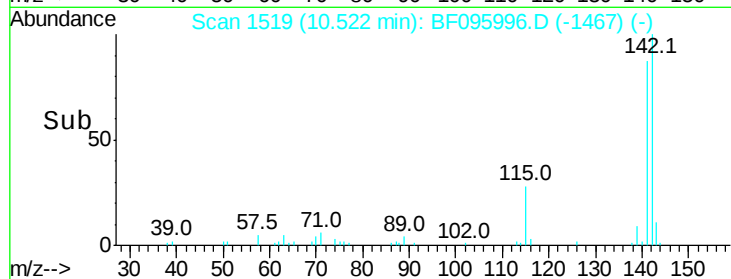
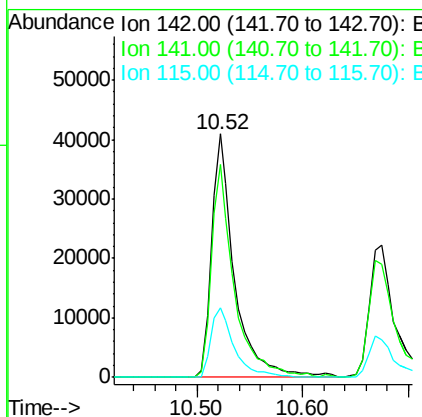
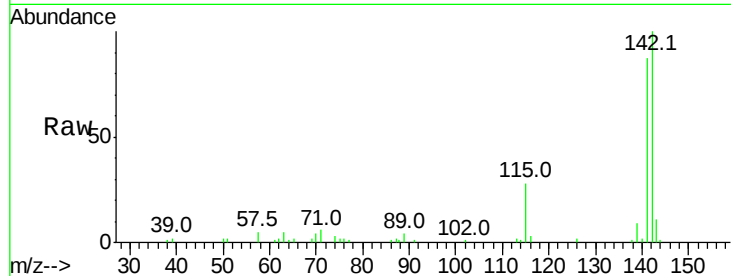
#37
2-Methylnaphthalene
Concen: 6.65 ng
RT: 10.52 min Scan# 1519
Delta R.T. 0.01 min
Lab File: BF095996.D
Acq: 17 Jun 2017 14:10

Instrument :
BNA_F
ClientSampled :
CC-4-COMP

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.4	71.3	106.9
115	28.4	27.1	40.7

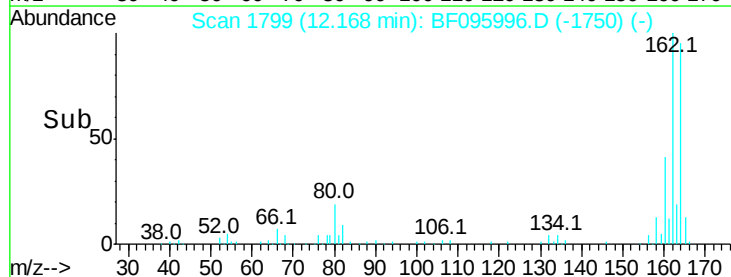
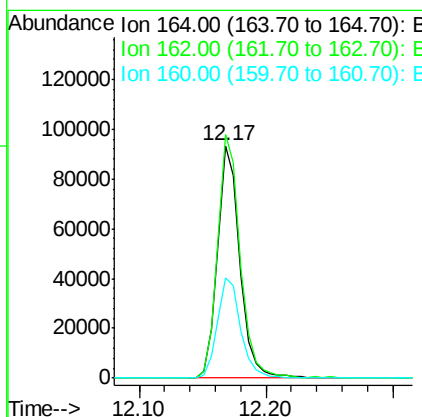
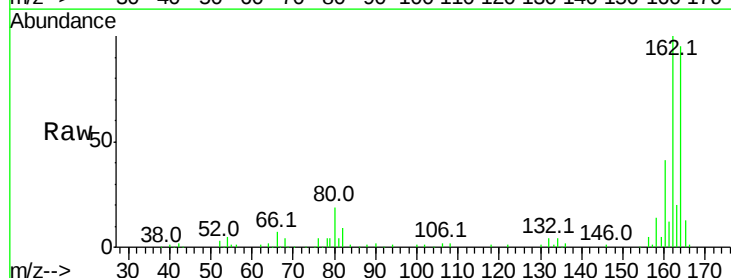
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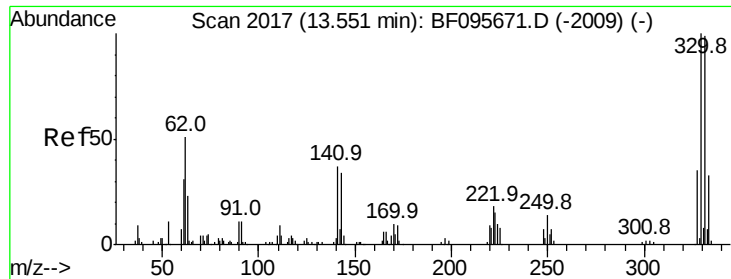
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.17 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF095996.D
Acq: 17 Jun 2017 14:10

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.9	82.6	123.8
160	43.2	36.2	54.2





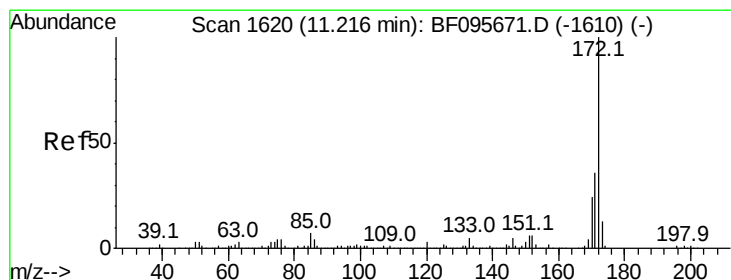
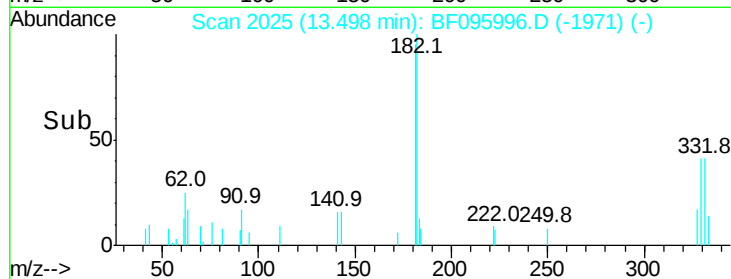
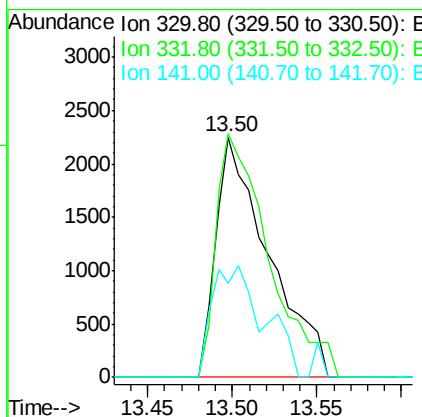
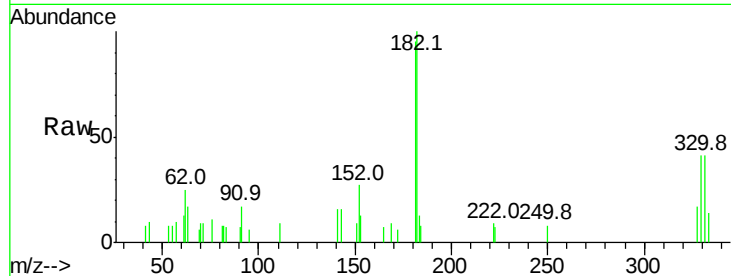
#41
 2,4,6-Tribromophenol
 Concen: 4.78 ng
 RT: 13.50 min Scan# 2025
 Delta R.T. 0.02 min
 Lab File: BF095996.D
 Acq: 17 Jun 2017 14:10

Instrument :
 BNA_F
 ClientSampleId :
 CC-4-COMP

Tot Ion	Ratio	Lower	Upper
330	100		
332	101.9	76.6	115.0
141	45.4	31.4	47.2

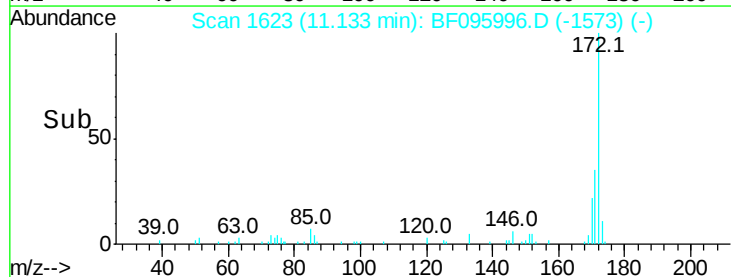
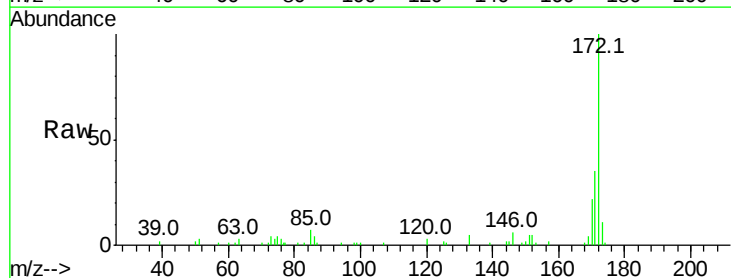
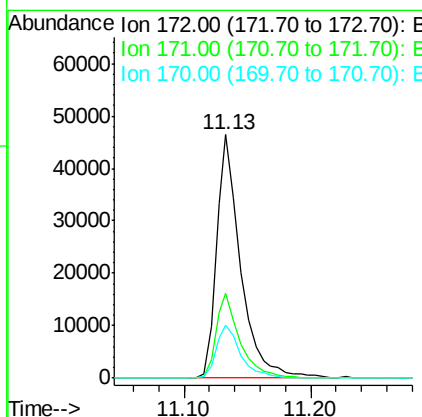
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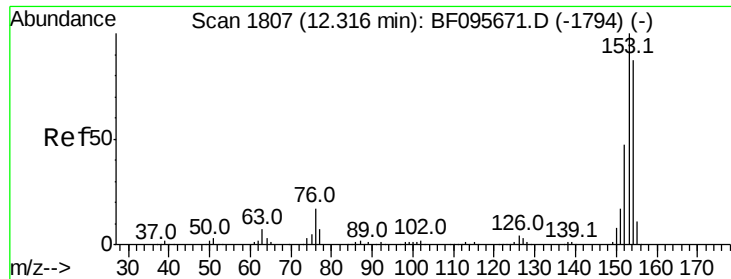
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#44
 2-Fluorobiphenyl
 Concen: 7.39 ng
 RT: 11.13 min Scan# 1623
 Delta R.T. -0.01 min
 Lab File: BF095996.D
 Acq: 17 Jun 2017 14:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.6	44.4
170	21.6	19.8	29.8





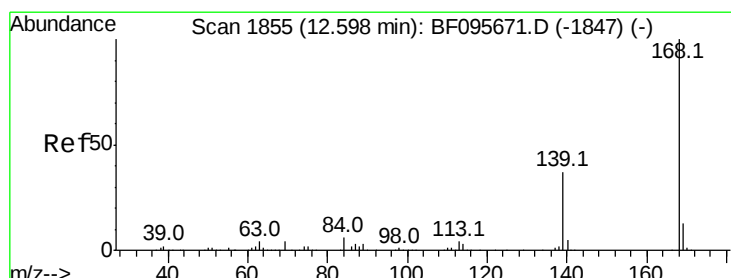
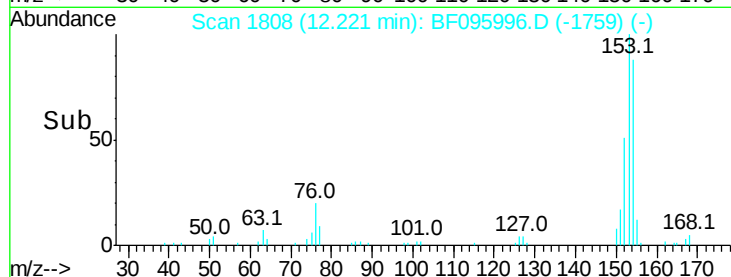
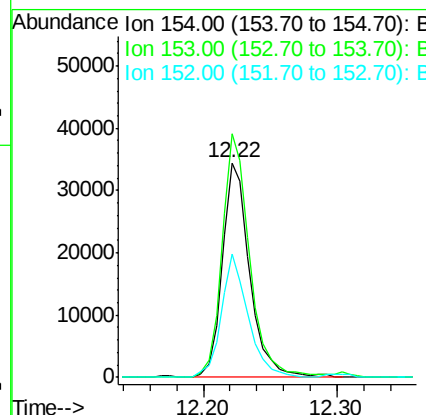
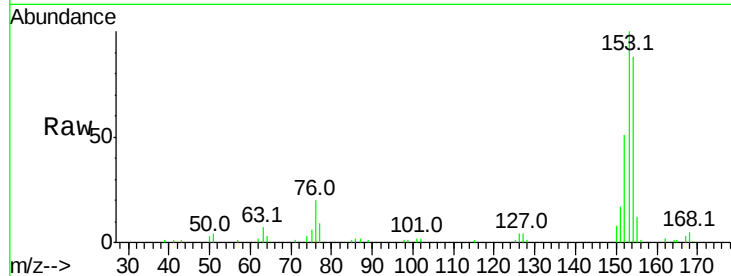
#51
Acenaphthene
Concen: 6.77 ng
RT: 12.22 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BF095996.D
Acq: 17 Jun 2017 14:10

Instrument :
BNA_F
ClientSampled :
CC-4-COMP

Tot Ion	Ratio	Lower	Upper
154	100		
153	113.4	90.5	135.7
152	57.3	43.6	65.4

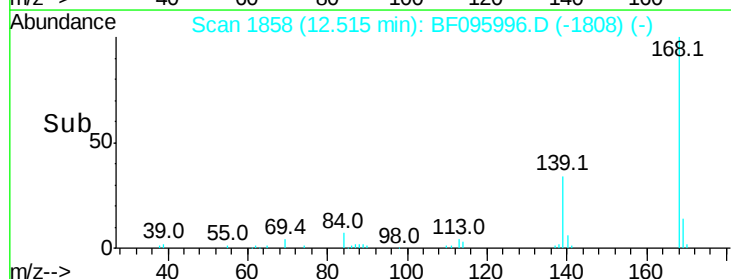
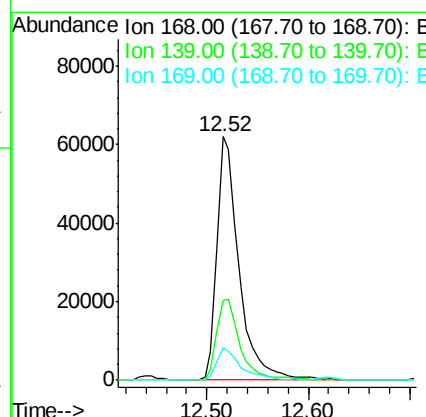
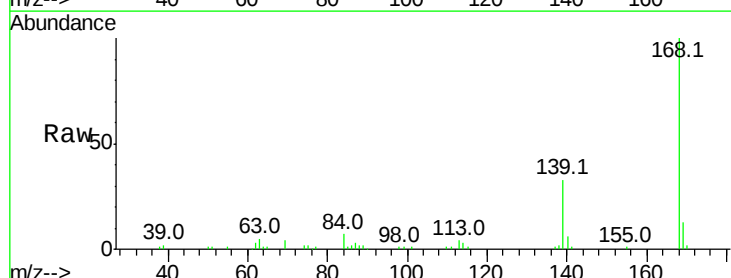
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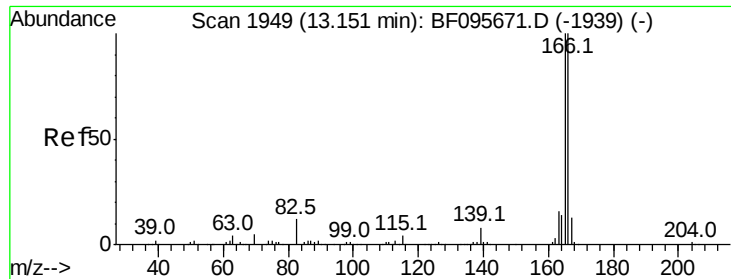
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#54
Dibenzofuran
Concen: 9.07 ng
RT: 12.52 min Scan# 1858
Delta R.T. -0.01 min
Lab File: BF095996.D
Acq: 17 Jun 2017 14:10

Tgt Ion	Ratio	Lower	Upper
168	100		
139	32.7	30.6	45.8
169	13.2	10.8	16.2





#57

Fluorene

Concen: 9.65 ng

RT: 13.06 min Scan# 1951

Delta R.T. -0.01 min

Lab File: BF095996.D

Acq: 17 Jun 2017 14:10

Instrument :

BNA_F

ClientSampleId :

CC-4-COMP

Tot Ion:166 Resp: 86699

Ion Ratio Lower Upper

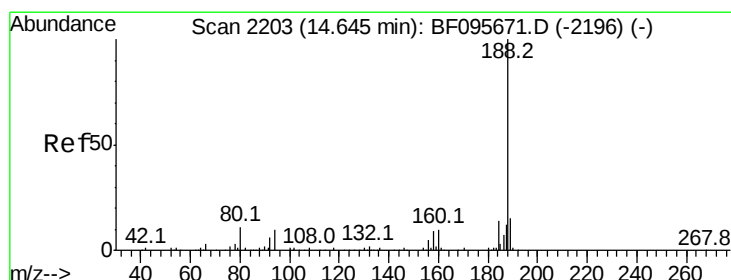
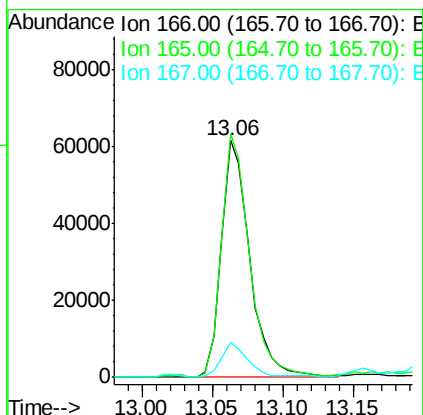
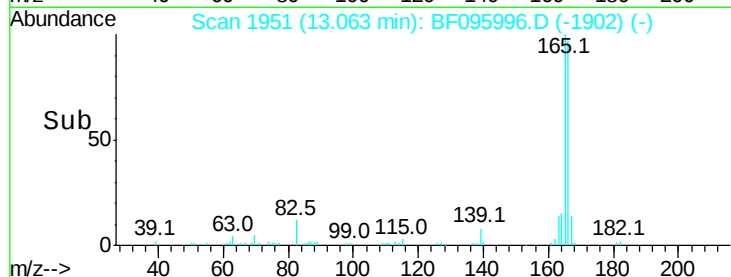
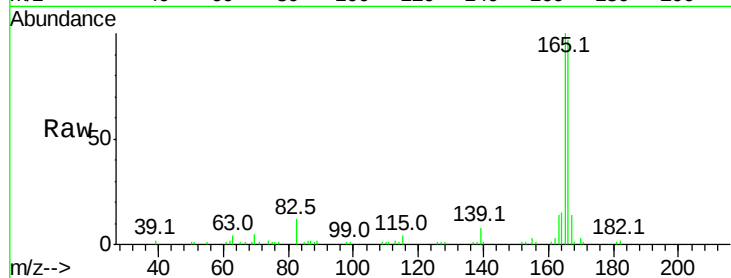
166 100

165 102.9 78.8 118.2

167 14.8 10.6 16.0

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#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.56 min Scan# 2206

Delta R.T. -0.01 min

Lab File: BF095996.D

Acq: 17 Jun 2017 14:10

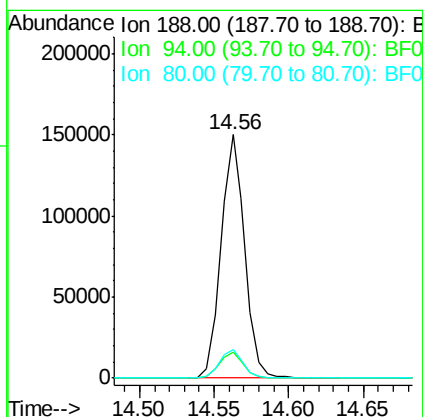
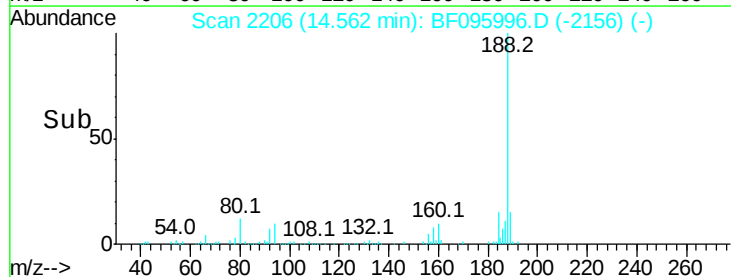
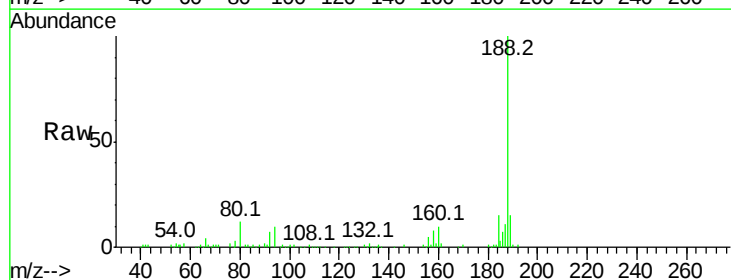
Tgt Ion:188 Resp: 166039

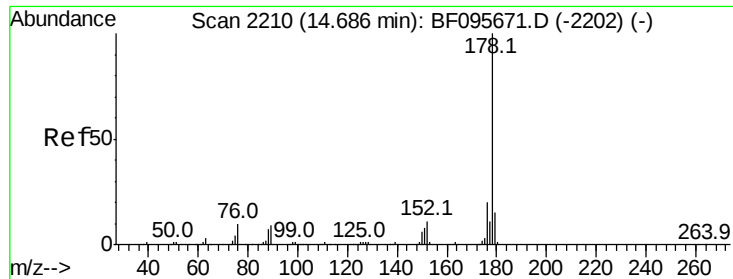
Ion Ratio Lower Upper

188 100

94 10.5 9.4 14.2

80 11.7 10.2 15.2





#70

Phenanthrene

Concen: 54.78 ng

RT: 14.60 min Scan# 2213

Delta R.T. -0.01 min

Lab File: BF095996.D

Acq: 17 Jun 2017 14:10

Instrument :

BNA_F

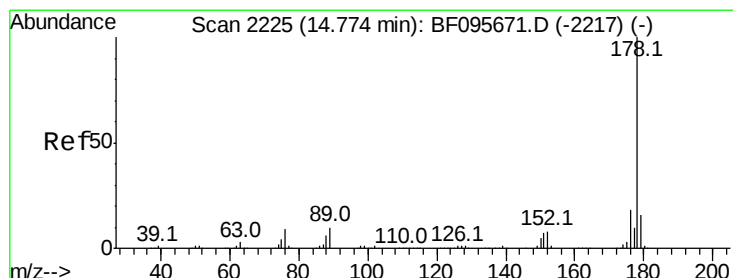
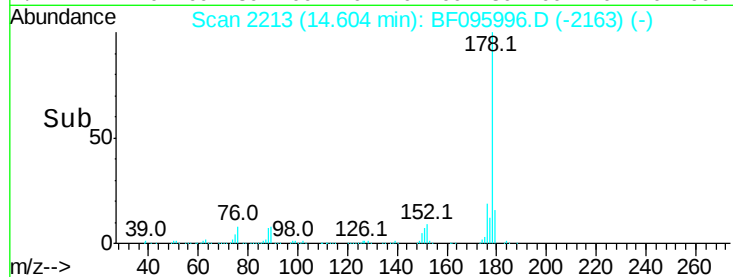
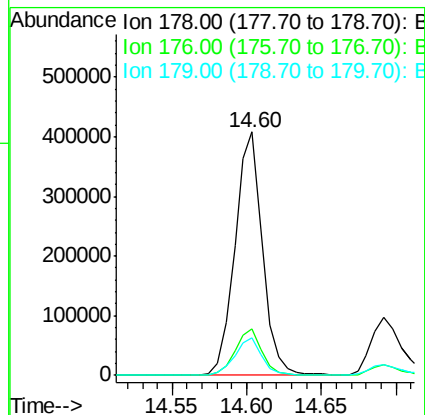
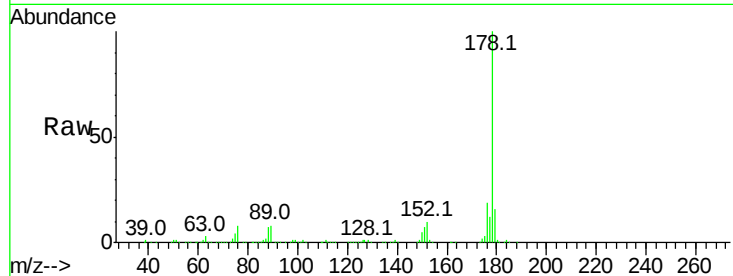
ClientSampled :

CC-4-COMP

Tot Ion:178	Resp:	524797
Ion Ratio	Lower	Upper
178	100	
176	19.1	16.2 24.4
179	15.6	12.6 19.0

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#71

Anthracene

Concen: 13.91 ng

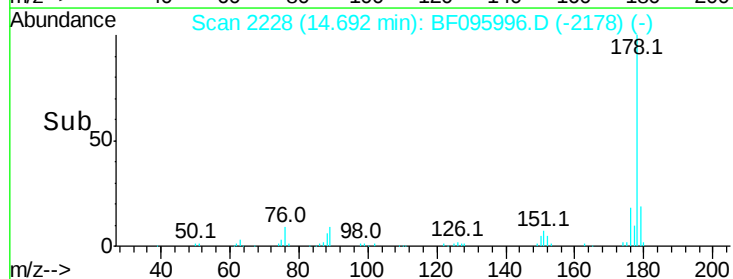
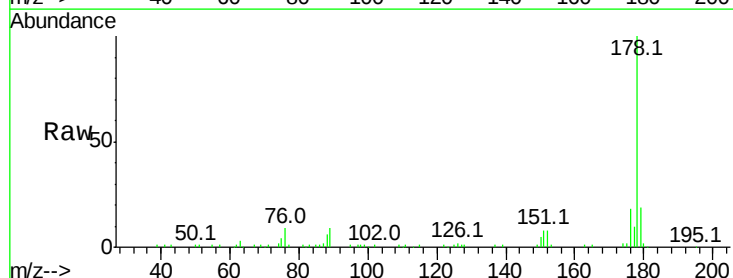
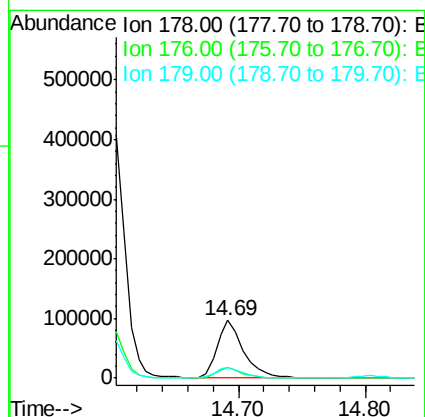
RT: 14.69 min Scan# 2228

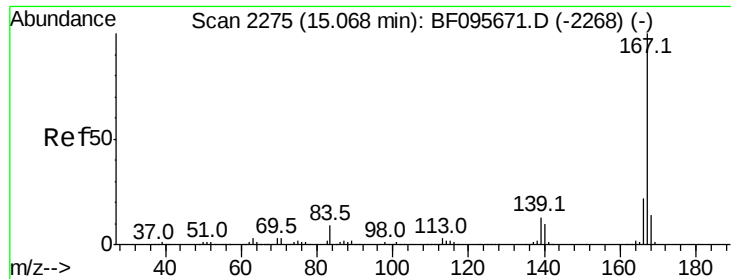
Delta R.T. -0.01 min

Lab File: BF095996.D

Acq: 17 Jun 2017 14:10

Tgt Ion:178	Resp:	139089
Ion Ratio	Lower	Upper
178	100	
176	17.8	15.8 23.8
179	18.7	12.7 19.1





#72

Carbazole

Concen: 7.44 ng

RT: 15.00 min Scan# 2280

Delta R.T. 0.00 min

Lab File: BF095996.D

Acq: 17 Jun 2017 14:10

Instrument :

BNA_F

ClientSampleId :

CC-4-COMP

Tot Ion:167 Resp: 72538

Ion Ratio Lower Upper

167 100

166 22.3 18.1 27.1

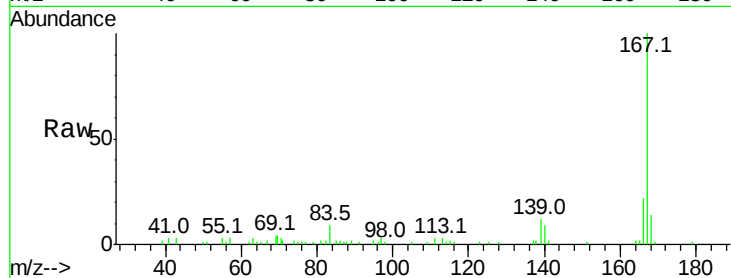
139 12.0 11.7 17.5

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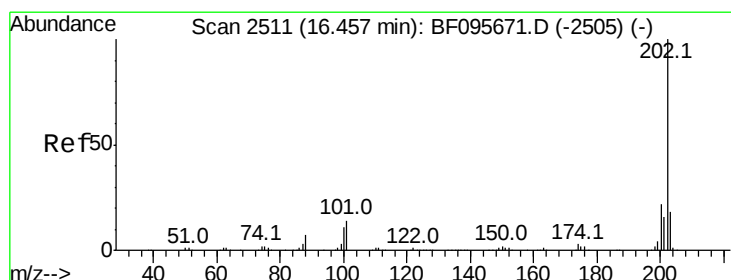
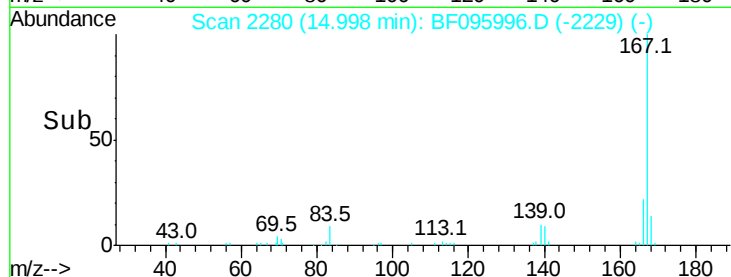
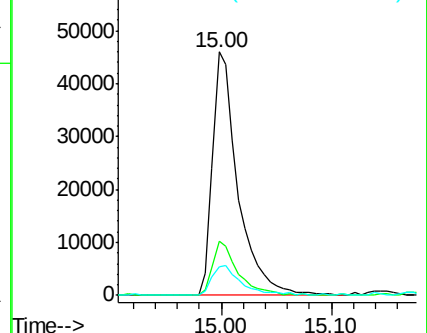
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Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 38.02 ng

RT: 16.39 min Scan# 2516

Delta R.T. -0.01 min

Lab File: BF095996.D

Acq: 17 Jun 2017 14:10

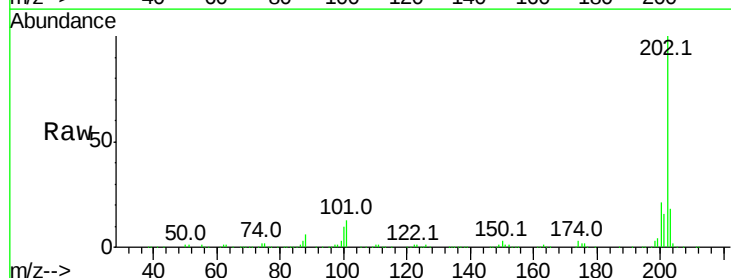
Tgt Ion:202 Resp: 360525

Ion Ratio Lower Upper

202 100

101 13.4 0.0 33.2

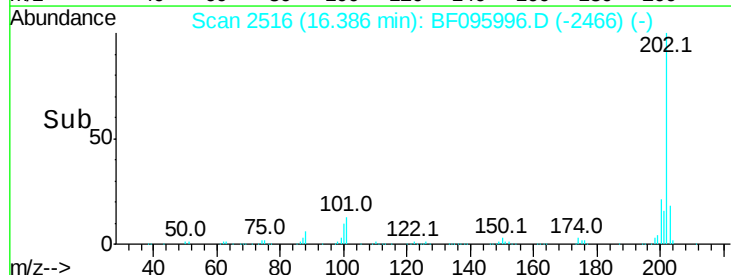
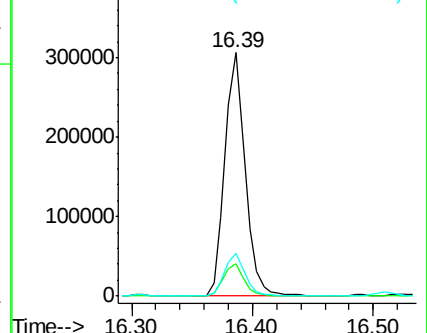
203 17.7 0.0 38.1

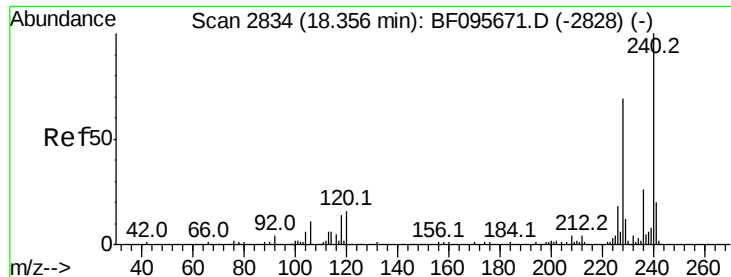


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.29 min Scan# 2839

Delta R.T. -0.01 min

Lab File: BF095996.D

Acq: 17 Jun 2017 14:10

Instrument :

BNA_F

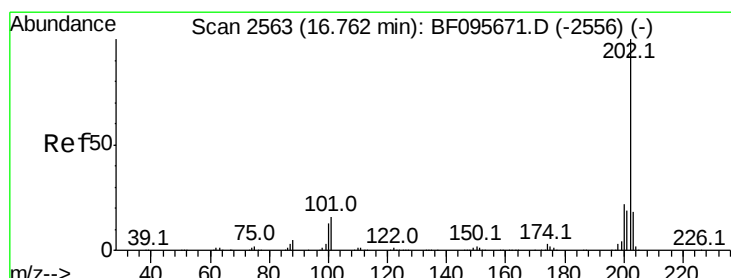
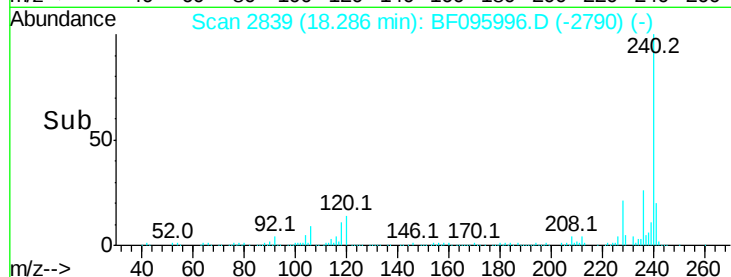
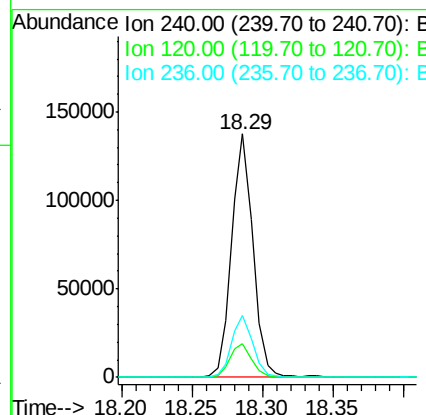
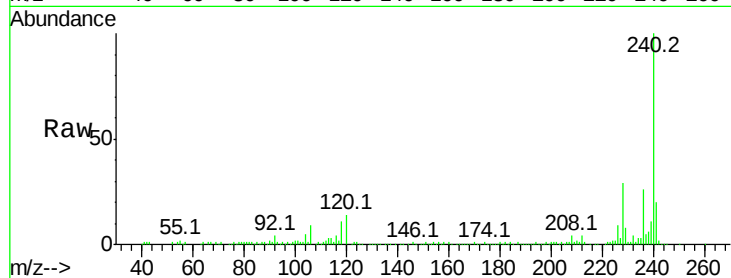
ClientSampleId :

CC-4-COMP

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.1	5.8	8.8#
236	25.5	20.5	30.7

Manual Integrations
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#77

Pyrene

Concen: 28.90 ng

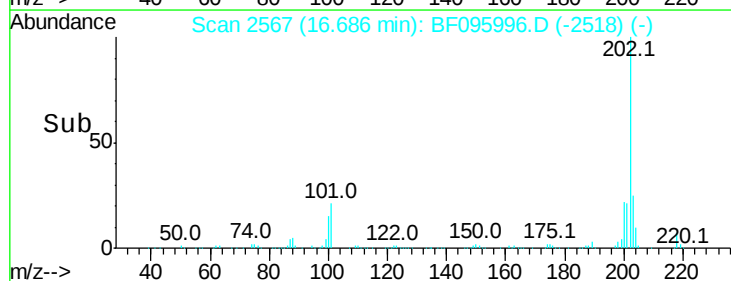
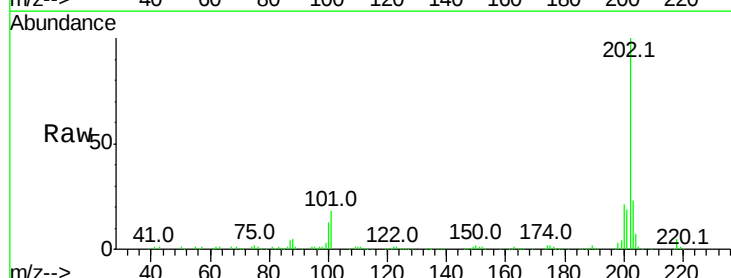
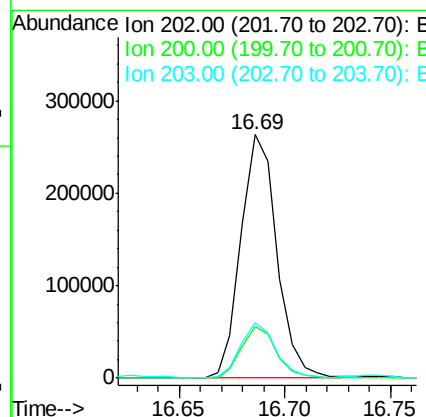
RT: 16.69 min Scan# 2567

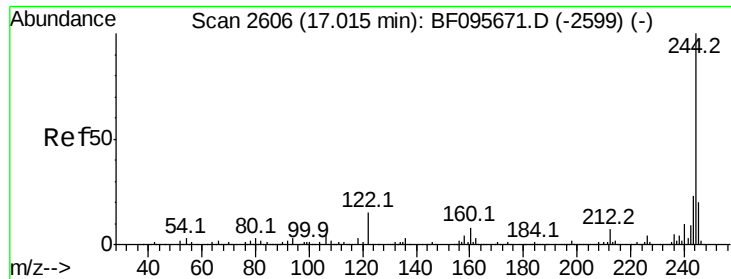
Delta R.T. -0.01 min

Lab File: BF095996.D

Acq: 17 Jun 2017 14:10

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.6	26.4
203	22.7	14.4	21.6#





#78

Terphenyl-d14

Concen: 6.02 ng

RT: 16.94 min Scan# 2610

Delta R.T. -0.01 min

Lab File: BF095996.D

Acq: 17 Jun 2017 14:10

Instrument :

BNA_F

ClientSampleId :

CC-4-COMP

Tot Ion:244 Resp: 35046

Ion Ratio Lower Upper

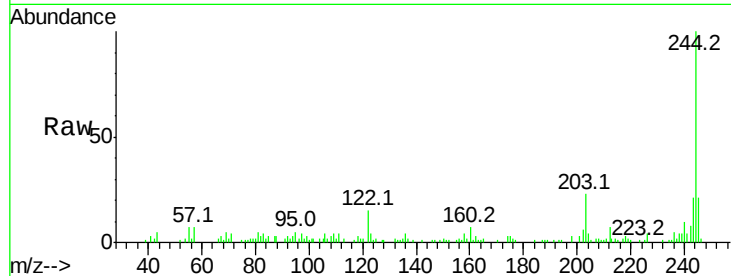
244 100

212 6.6 6.0 9.0

122 15.3 10.3 15.5

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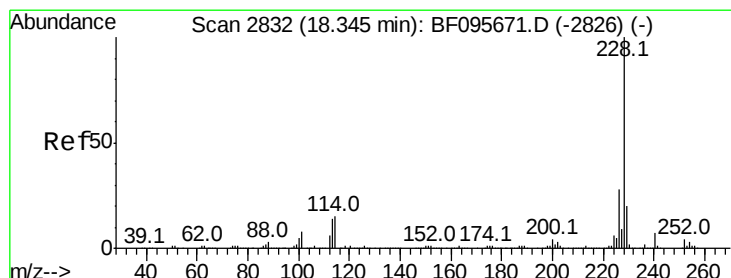
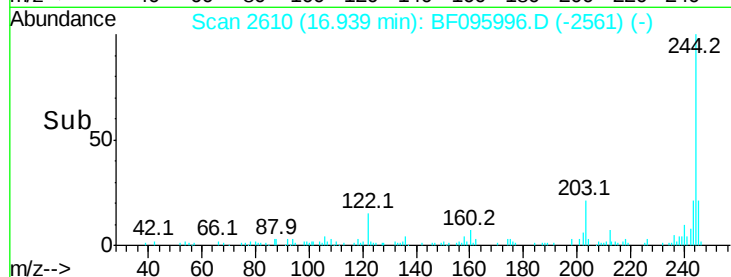
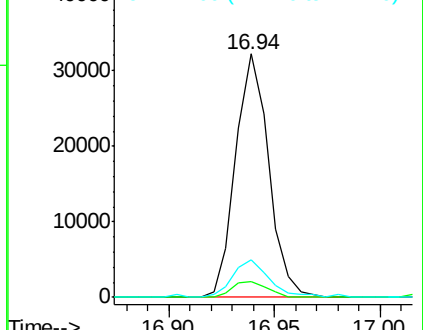
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 17.16 ng

RT: 18.27 min Scan# 2837

Delta R.T. -0.01 min

Lab File: BF095996.D

Acq: 17 Jun 2017 14:10

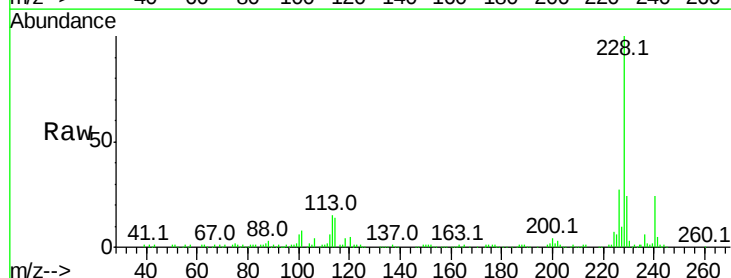
Tgt Ion:228 Resp: 144229

Ion Ratio Lower Upper

228 100

226 27.1 22.6 33.8

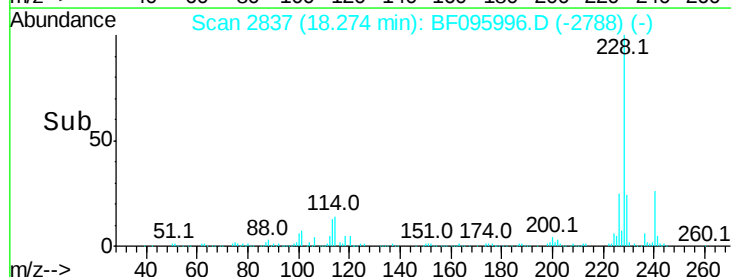
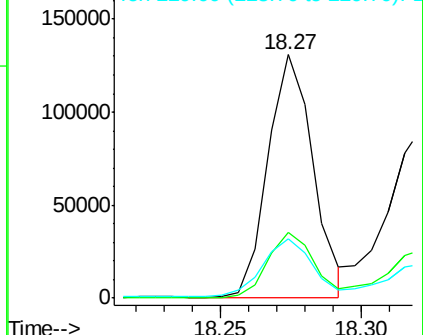
229 24.4 16.3 24.5

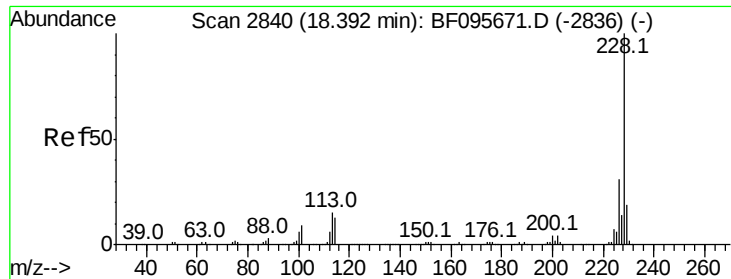


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





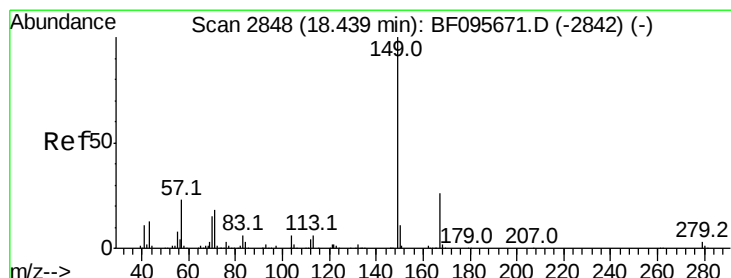
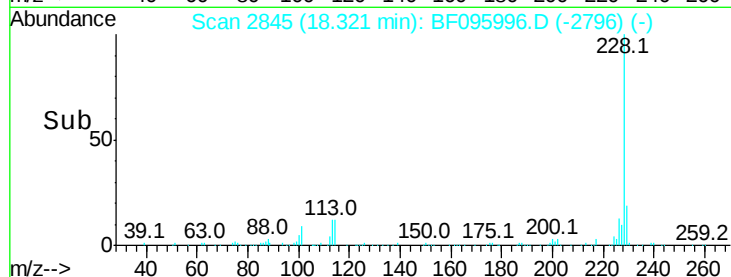
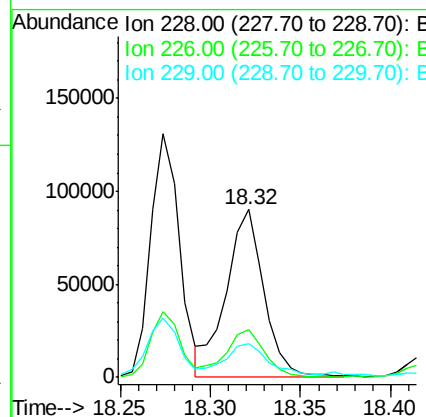
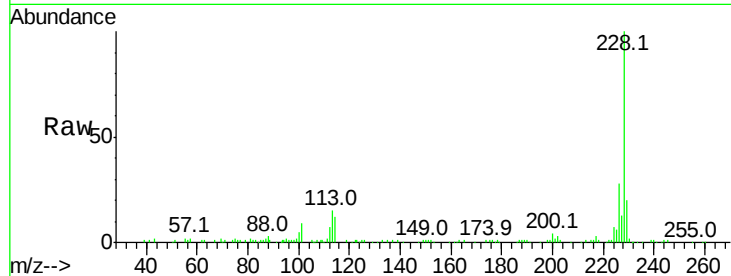
#82
Chrysene
Concen: 15.55 ng m
RT: 18.32 min Scan# 2845
Delta R.T. -0.01 min
Lab File: BF095996.D
Acq: 17 Jun 2017 14:10

Instrument :
BNA_F
ClientSampleId :
CC-4-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	24.9	37.3
229	19.8	15.8	23.6

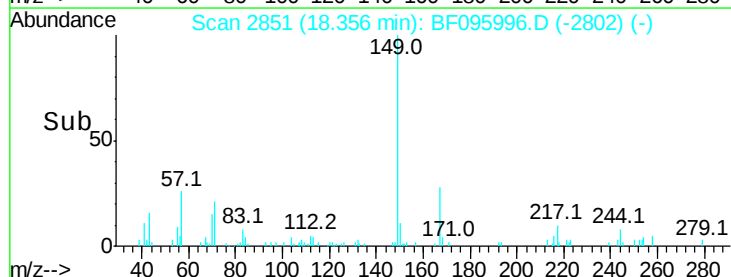
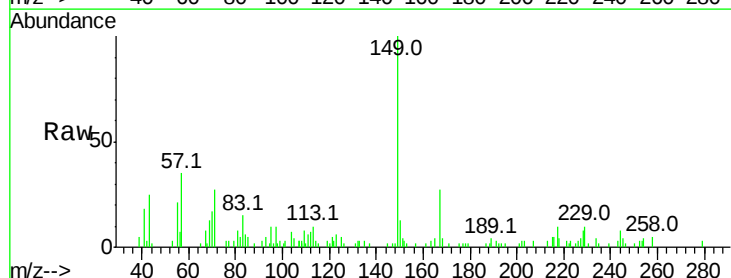
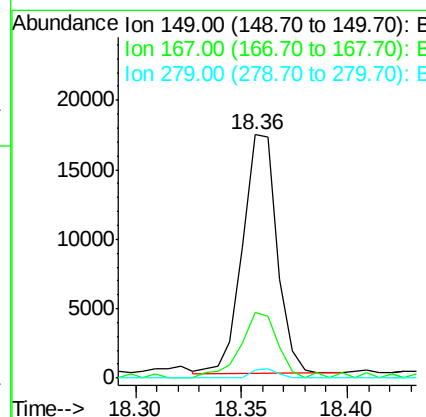
Manual Integrations
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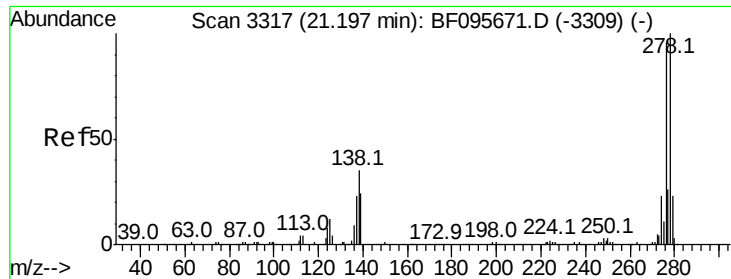
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#83
Bis(2-ethylhexyl)phthalate
Concen: 2.94 ng
RT: 18.36 min Scan# 2851
Delta R.T. -0.01 min
Lab File: BF095996.D
Acq: 17 Jun 2017 14:10

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.0	31.4
279	3.4	1.9	2.9#





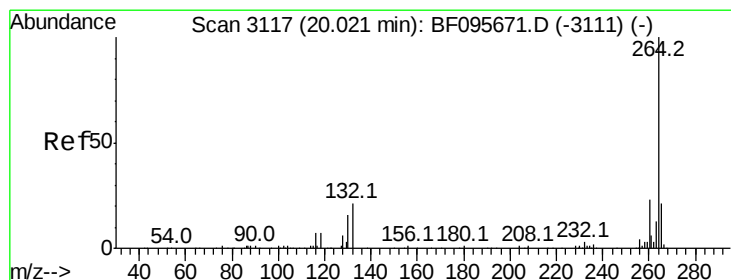
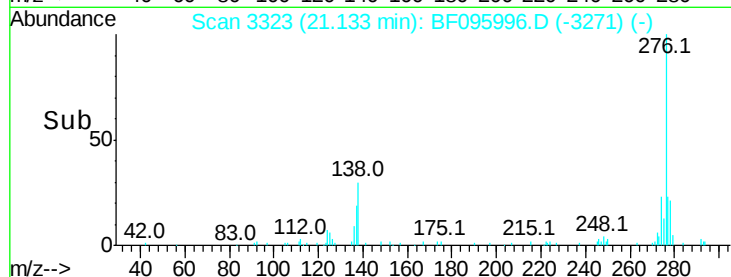
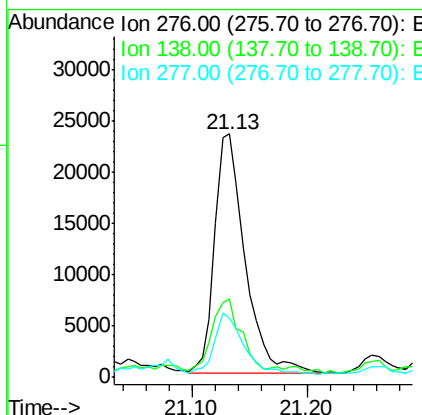
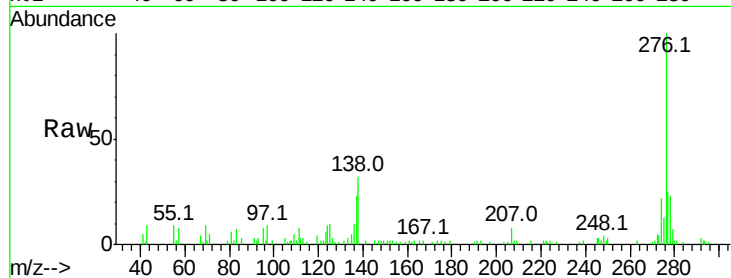
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.97 ng
RT: 21.13 min Scan# 3323
Delta R.T. 0.01 min
Lab File: BF095996.D
Acq: 17 Jun 2017 14:10

Instrument :
BNA_F
ClientSampleId :
CC-4-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.9	27.8	41.6
277	24.8	20.2	30.4

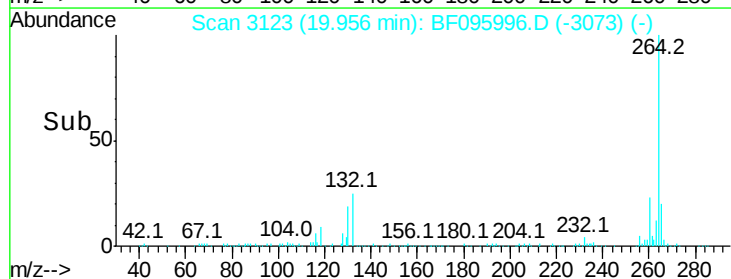
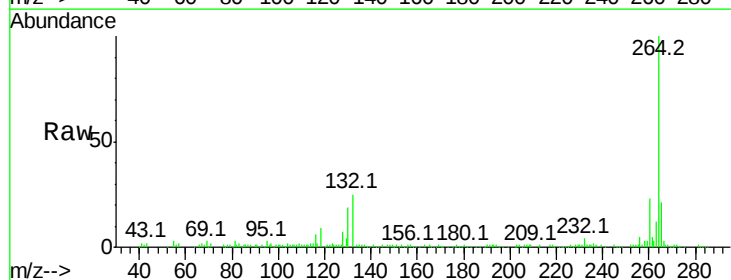
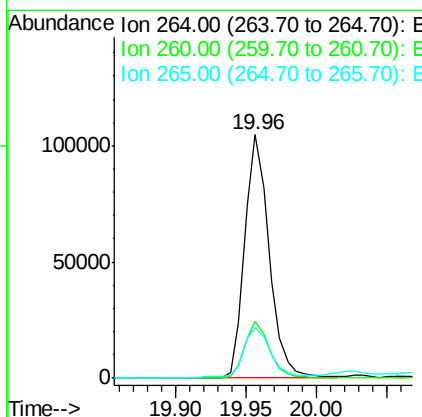
Manual Integrations
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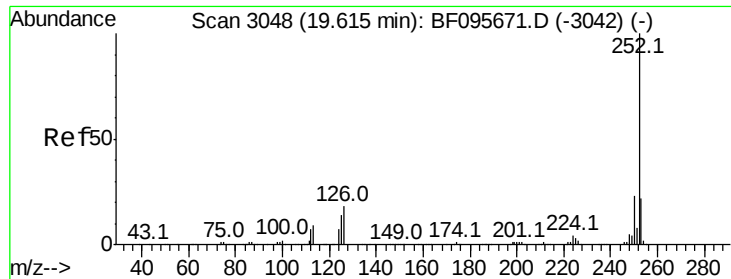
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 19.96 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF095996.D
Acq: 17 Jun 2017 14:10

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	20.5	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 16.51 ng

RT: 19.56 min Scan# 3055

Delta R.T. 0.00 min

Lab File: BF095996.D

Acq: 17 Jun 2017 14:10

Instrument :

BNA_F

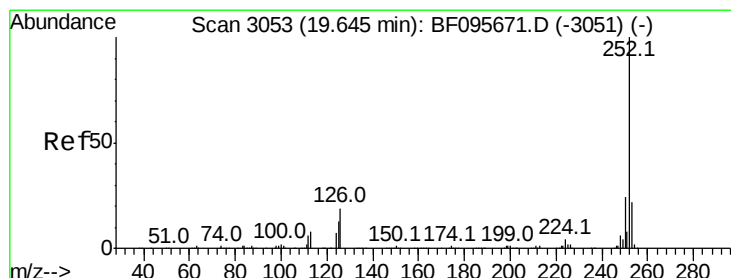
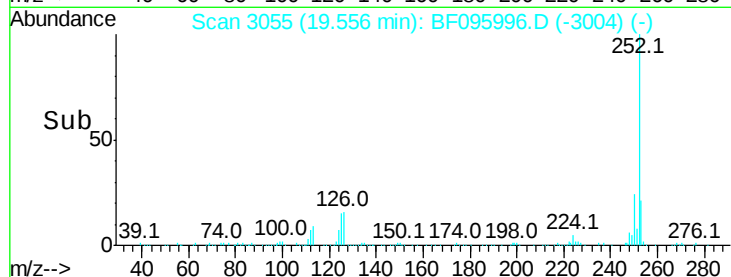
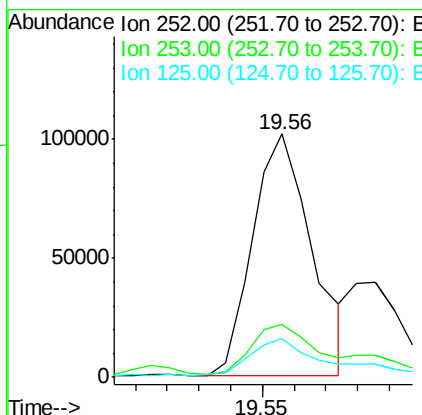
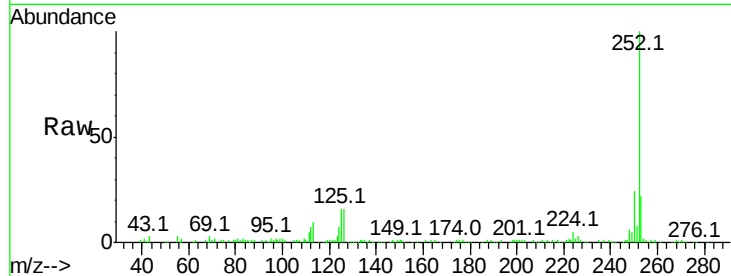
ClientSampled :

CC-4-COMP

Tot Ion:	252	Resp:	132249
Ion Ratio	Lower	Upper	
252	100		
253	21.6	18.1	27.1
125	15.9	9.8	14.8

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 5.95 ng m

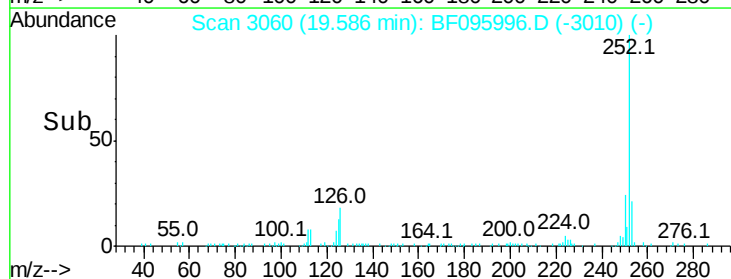
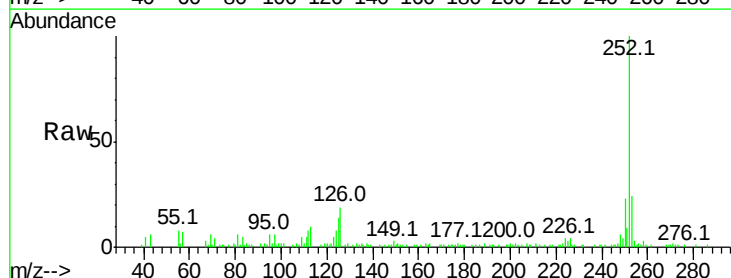
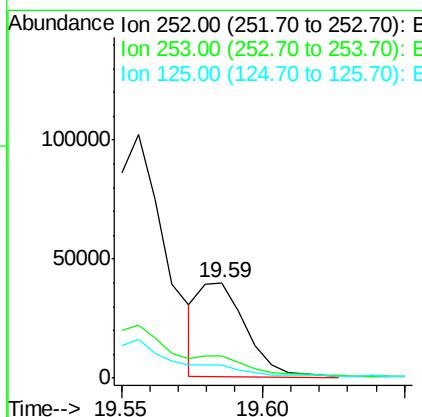
RT: 19.59 min Scan# 3060

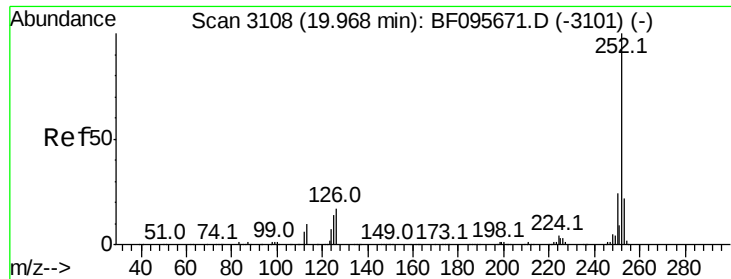
Delta R.T. -0.01 min

Lab File: BF095996.D

Acq: 17 Jun 2017 14:10

Tgt Ion:	252	Resp:	45575
Ion Ratio	Lower	Upper	
252	100		
253	23.6	18.4	27.6
125	14.1	13.1	19.7





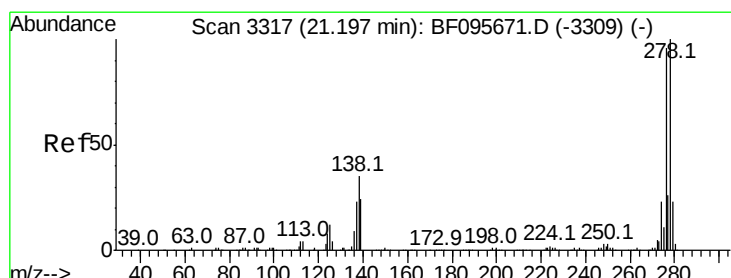
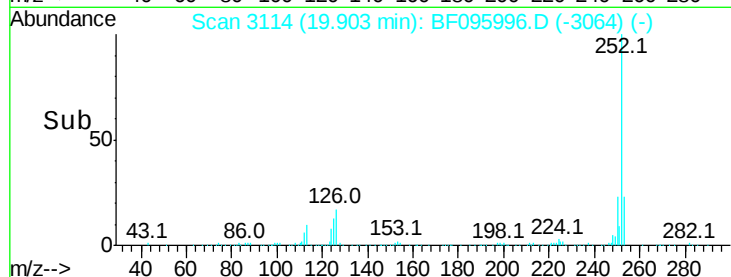
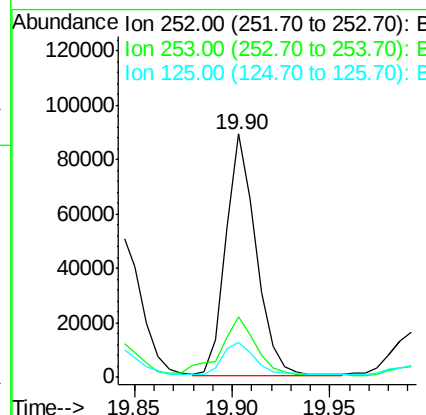
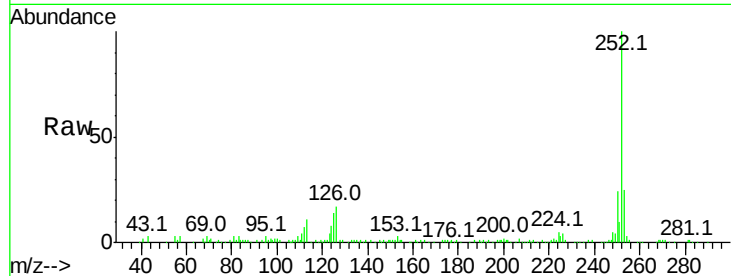
#89
Benzo(a)pyrene
Concen: 13.14 ng
RT: 19.90 min Scan# 3114
Delta R.T. -0.01 min
Lab File: BF095996.D
Acq: 17 Jun 2017 14:10

Instrument :
BNA_F
ClientSampled :
CC-4-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.5	26.3
125	14.2	11.0	16.4

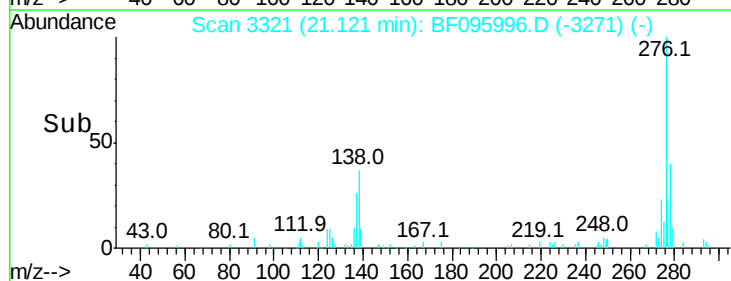
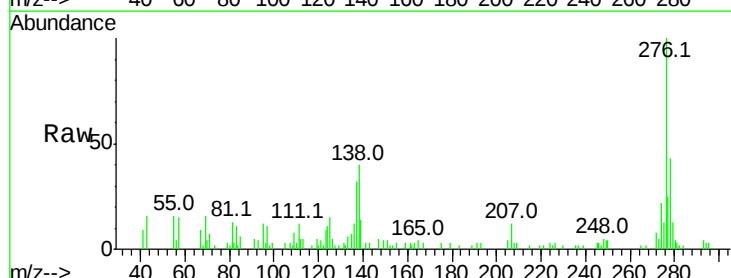
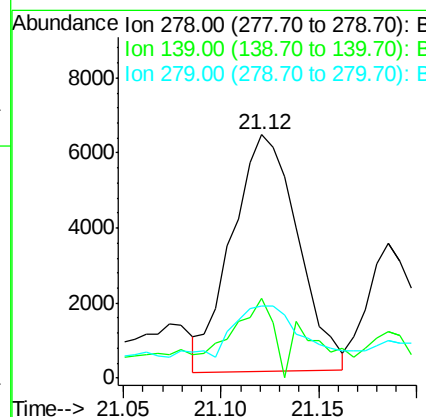
Manual Integrations
APPROVED

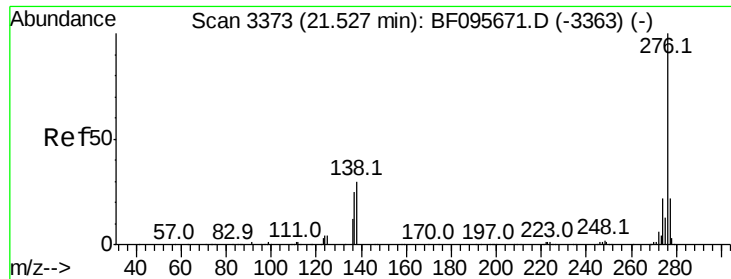
mohammad
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#90
Dibenzo(a,h)anthracene
Concen: 2.36 ng
RT: 21.12 min Scan# 3321
Delta R.T. -0.01 min
Lab File: BF095996.D
Acq: 17 Jun 2017 14:10

Tgt Ion	Ratio	Lower	Upper
278	100		
139	32.6	16.6	24.8#
279	29.4	19.3	28.9#





#91
 Benzo(a,h,i)perylene
 Concen: 6.20 ng
 RT: 21.46 min Scan# 3378
 Delta R.T. 0.01 min
 Lab File: BF095996.D
 Acq: 17 Jun 2017 14:10

Instrument :
 BNA_F
 ClientSampleId :
 CC-4-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.6	28.0
138	33.8	25.4	38.0

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