

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061617\
 Data File : BF095995.D
 Acq On : 17 Jun 2017 13:37
 Operator : SJ/MA
 Sample : I3683-03 10X
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CC-5B

Manual Integrations
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Quant Time: Jun 19 02:03:19 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	75881	20.00	ng	0.00
21) Naphthalene-d8	9.35	136	310696	20.00	ng	0.00
38) Acenaphthene-d10	12.17	164	129330	20.00	ng	-0.01
63) Phenanthrene-d10	14.56	188	185549	20.00	ng	0.00
75) Chrysene-d12	18.29	240	154788	20.00	ng	-0.01
86) Perylene-d12	19.96	264	146577	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	29723	6.24	ng	0.09
7) Phenol-d6	6.98	99	47467m	8.33	ng	0.07
23) Nitrobenzene-d5	8.29	82	25402	5.08	ng	0.04
41) 2,4,6-Tribromophenol	13.49	330	8477	7.41	ng	0.01
44) 2-Fluorobiphenyl	11.13	172	73902	7.95	ng	0.00
78) Terphenyl-d14	16.94	244	42738	6.85	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	9.39	128	166391	10.67	ng	99
37) 2-Methylnaphthalene	10.53	142	36008	3.42	ng	94
51) Acenaphthene	12.22	154	36804	4.47	ng	97
54) Dibenzofuran	12.52	168	64775	5.60	ng	95
57) Fluorene	13.07	166	69090	6.86	ng	94
70) Phenanthrene	14.60	178	423537	39.56	ng	97
71) Anthracene	14.69	178	121758	10.89	ng	96
72) Carbazole	15.00	167	64115	5.89	ng	99
74) Fluoranthene	16.39	202	320652	30.26	ng	98
77) Pyrene	16.69	202	245124	21.22	ng	# 96
80) Benzo(a)anthracene	18.27	228	122713	13.64	ng	94
82) Chrysene	18.32	228	108397m	12.05	ng	
85) Indeno(1,2,3-cd)pyrene	21.13	276	41964	5.45	ng	98
87) Benzo(b)fluoranthene	19.56	252	130136	14.18	ng	# 95
88) Benzo(k)fluoranthene	19.59	252	42948m	4.90	ng	
89) Benzo(a)pyrene	19.90	252	89804	10.65	ng	98
91) Benzo(a,h,i)perylene	21.46	276	35735	4.90	ng	95

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

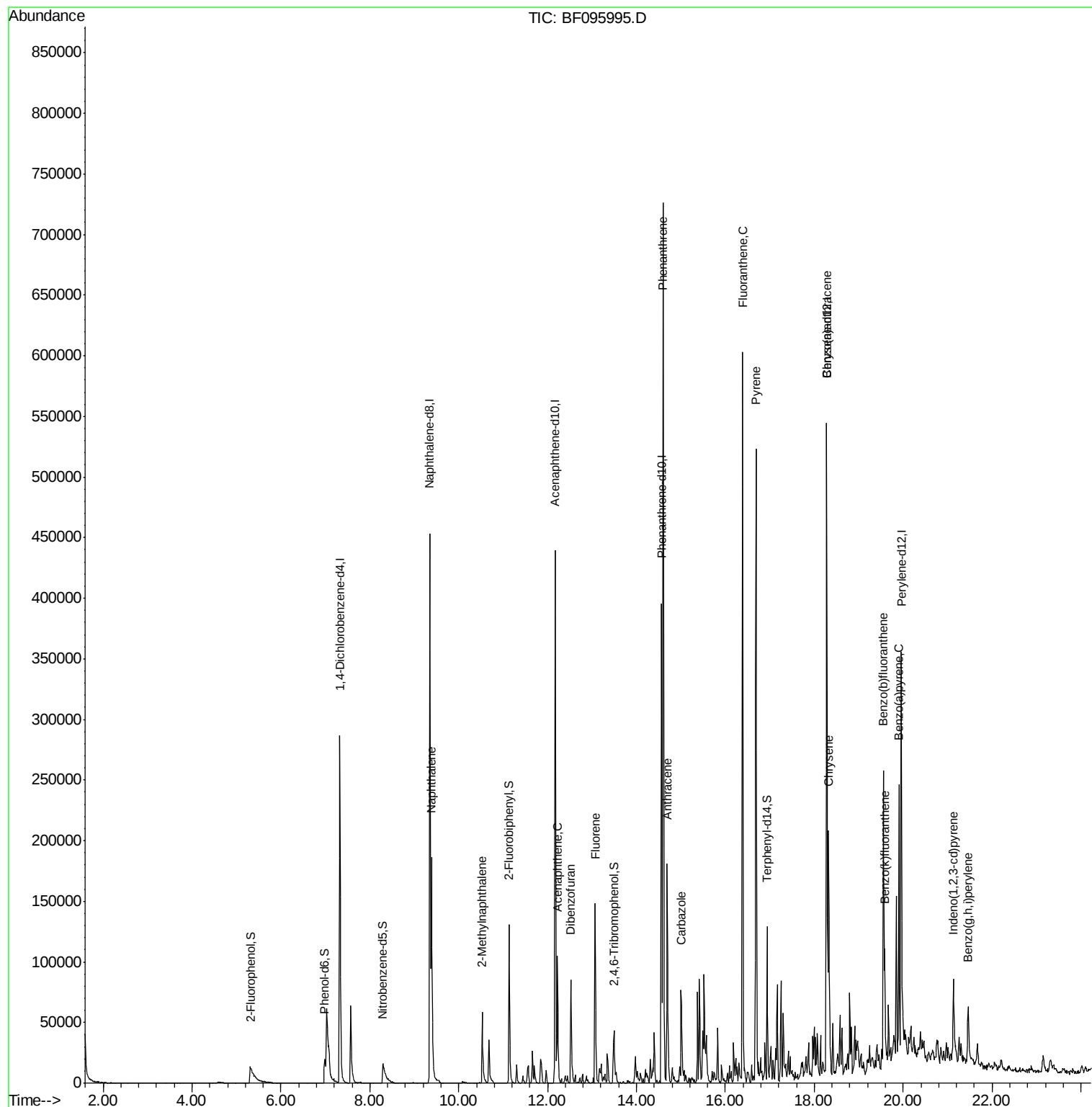
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061617\
Data File : BF095995.D
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ALS Vial : 44 Sample Multiplier: 1

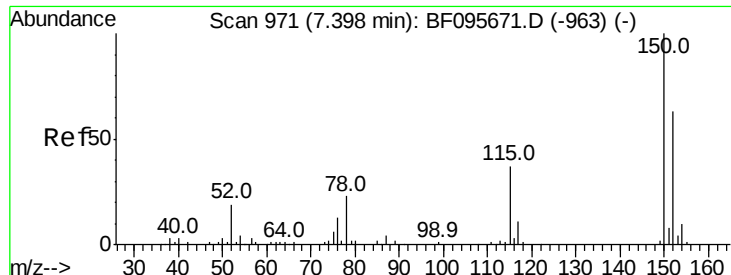
Instrument :
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Quant Time: Jun 19 02:03:19 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

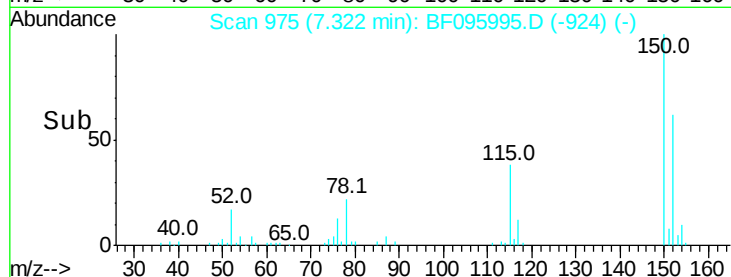
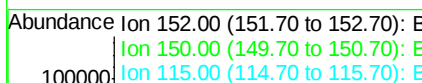
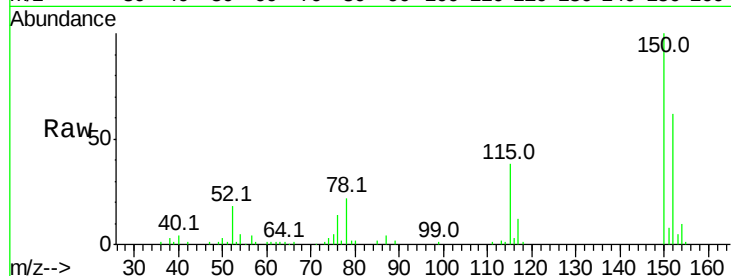
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.32 min Scan# 975
Delta R.T. 0.00 min
Lab File: BF095995.D
Acq: 17 Jun 2017 13:37

Instrument :
BNA_F
ClientSampleId :
CC-5B

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.6	126.2	189.2
115	60.2	52.2	78.2

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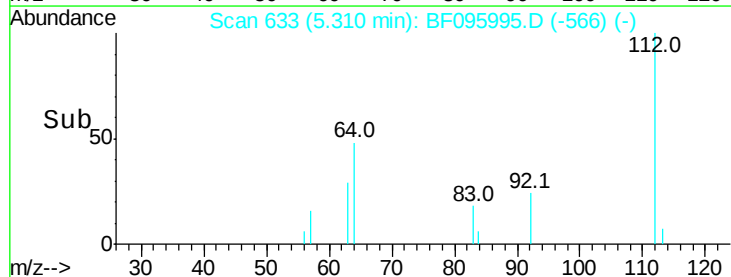
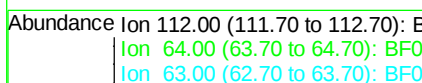
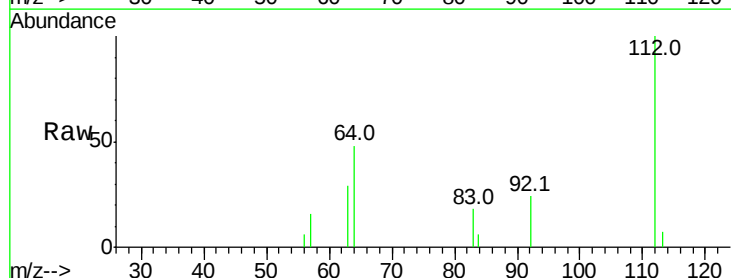
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#5

2-Fluorophenol
Concen: 6.24 ng
RT: 5.31 min Scan# 633
Delta R.T. 0.09 min
Lab File: BF095995.D
Acq: 17 Jun 2017 13:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	47.7	46.0	69.0
63	28.8	23.4	35.0





#7

Phenol-d6

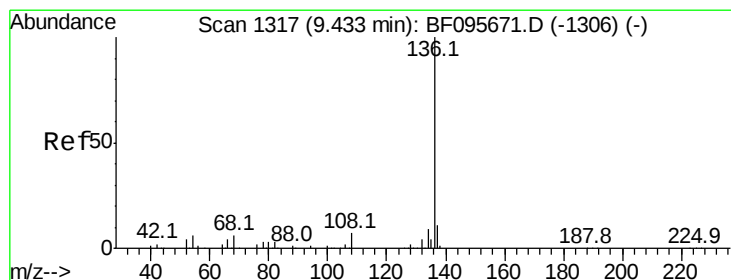
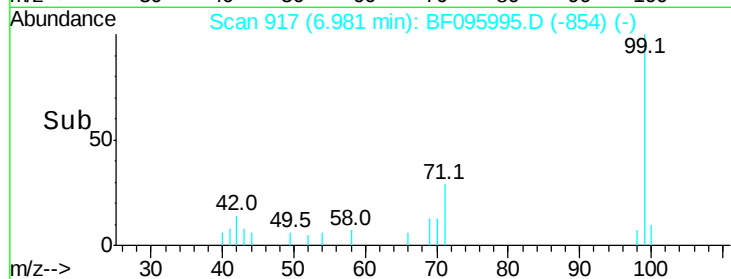
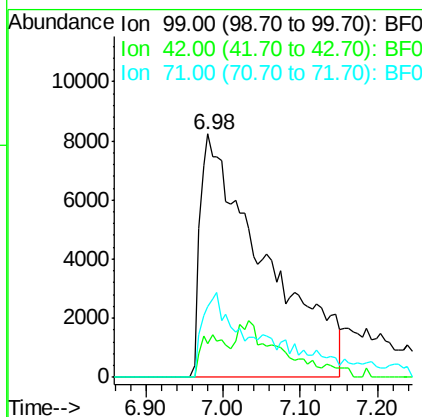
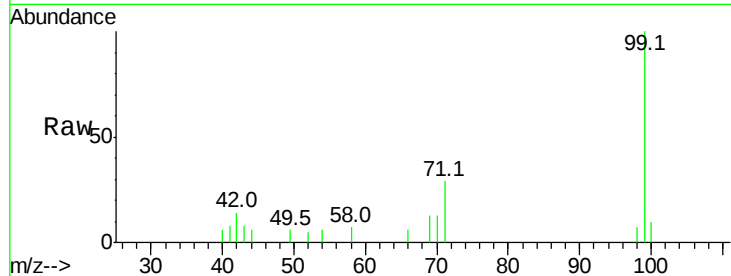
Concen: 8.33 ng m
 RT: 6.98 min Scan# 917
 Delta R.T. 0.07 min
 Lab File: BF095995.D
 Acq: 17 Jun 2017 13:37

Instrument :
 BNA_F
 ClientSampled :
 CC-5B

Tot Ion	Ratio	Lower	Upper
99	100		
42	13.9	13.5	20.3
71	29.0	24.5	36.7

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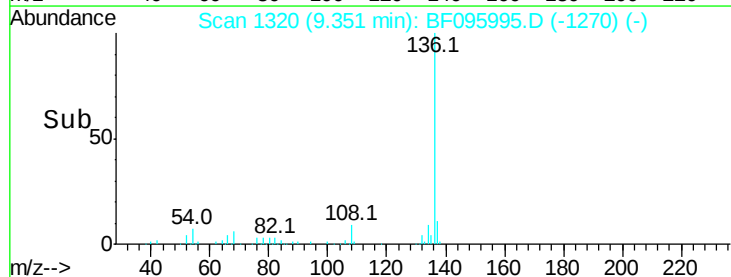
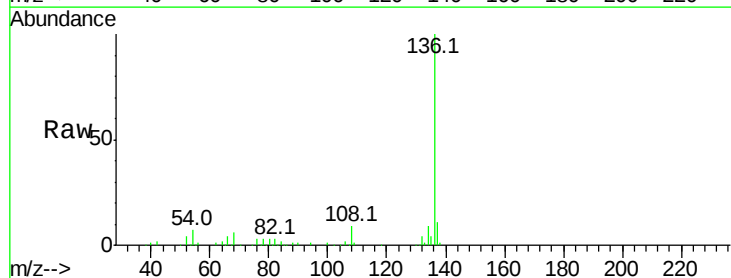
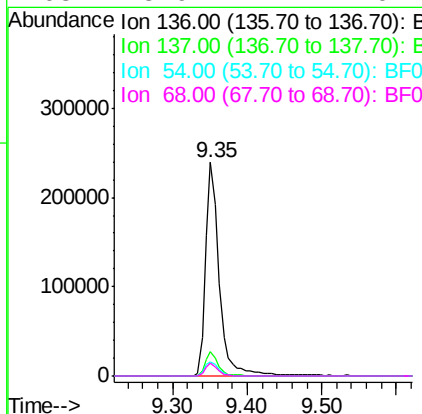


#21

Naphthalene-d8

Concen: 20.00 ng
 RT: 9.35 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BF095995.D
 Acq: 17 Jun 2017 13:37

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.5	12.7
54	6.7	4.9	7.3
68	5.9	4.1	6.1





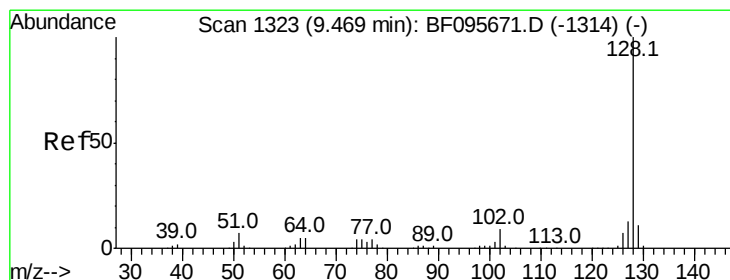
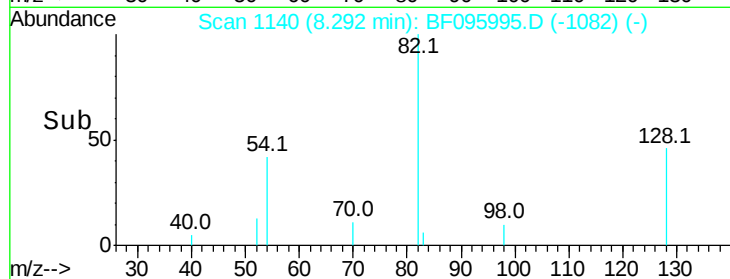
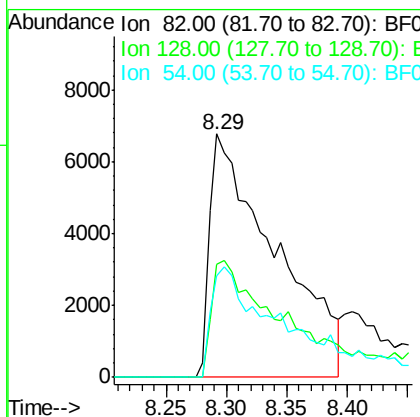
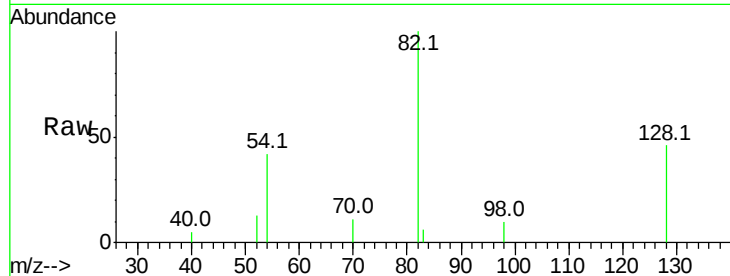
#23
 Nitrobenzene-d5
 Concen: 5.08 ng
 RT: 8.29 min Scan# 1140
 Delta R.T. 0.04 min
 Lab File: BF095995.D
 Acq: 17 Jun 2017 13:37

Instrument :
 BNA_F
 ClientSampleId :
 CC-5B

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.3	34.0	51.0
54	41.7	42.2	63.2#

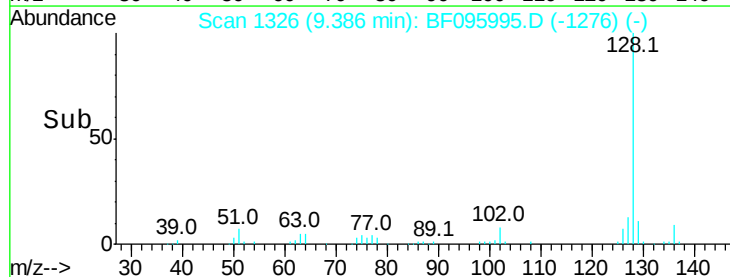
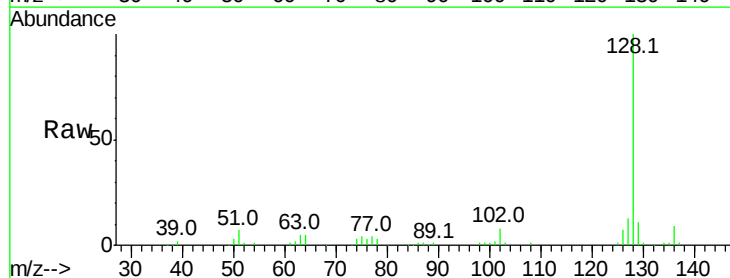
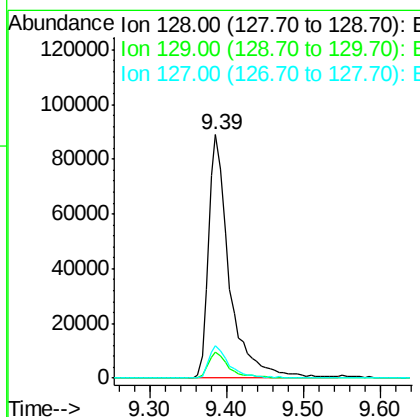
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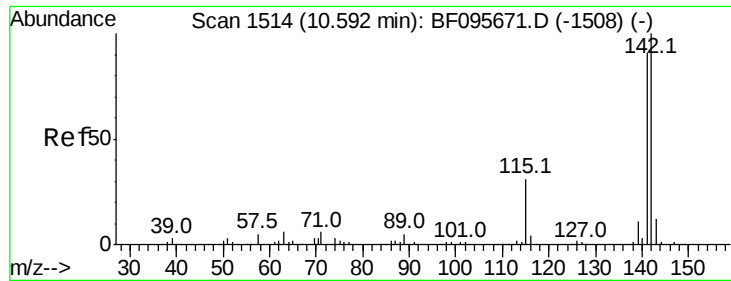
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#31
 Naphthalene
 Concen: 10.67 ng
 RT: 9.39 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: BF095995.D
 Acq: 17 Jun 2017 13:37

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





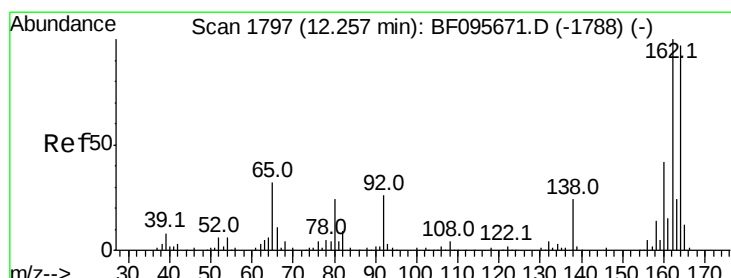
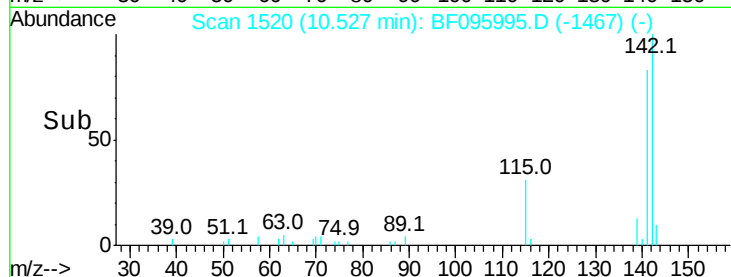
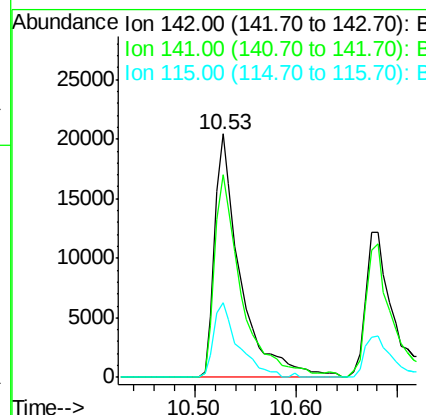
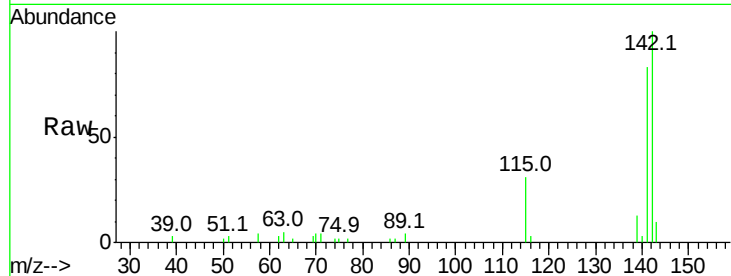
#37
2-Methylnaphthalene
Concen: 3.42 ng
RT: 10.53 min Scan# 1520
Delta R.T. 0.01 min
Lab File: BF095995.D
Acq: 17 Jun 2017 13:37

Instrument :
BNA_F
ClientSampled :
CC-5B

Tot Ion	Ratio	Lower	Upper
142	100		
141	83.5	71.3	106.9
115	30.8	27.1	40.7

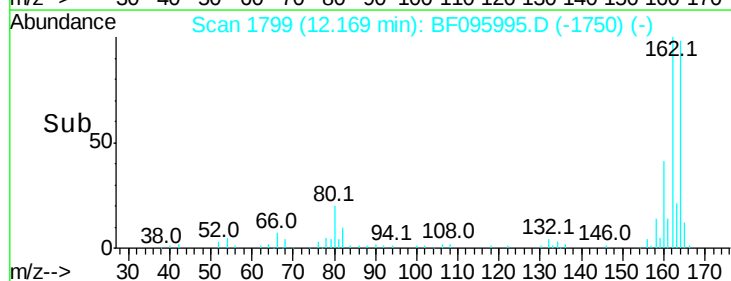
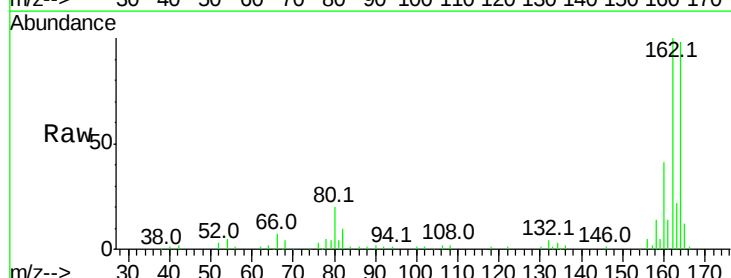
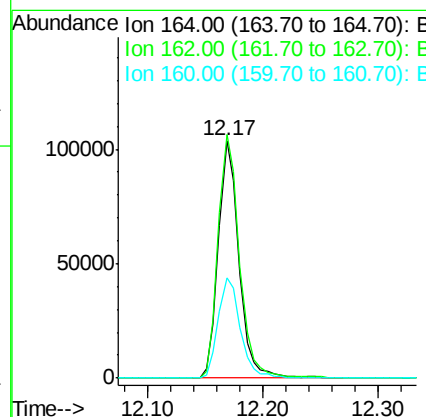
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.17 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF095995.D
Acq: 17 Jun 2017 13:37

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.4	82.6	123.8
160	42.2	36.2	54.2





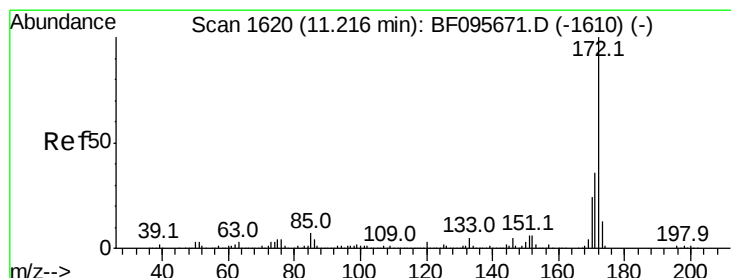
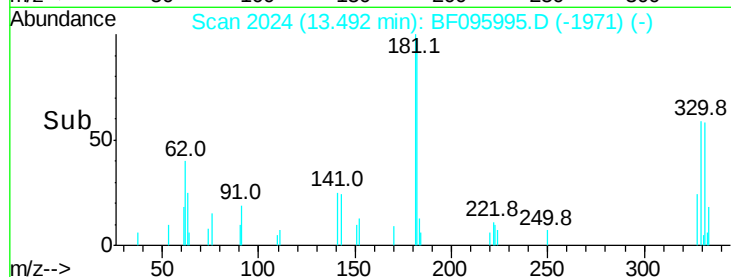
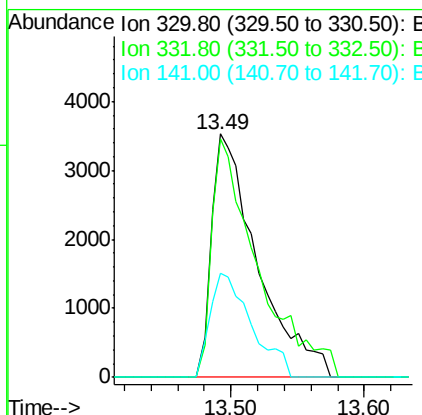
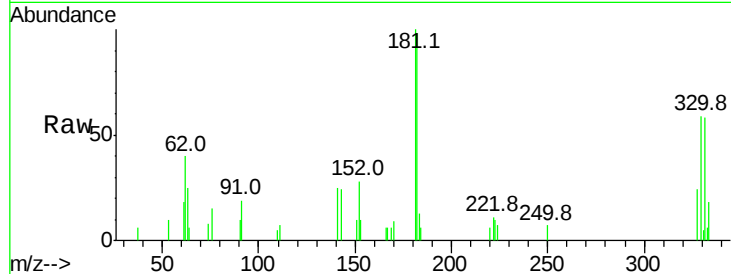
#41
 2,4,6-Tribromophenol
 Concen: 7.41 ng
 RT: 13.49 min Scan# 2024
 Delta R.T. 0.01 min
 Lab File: BF095995.D
 Acq: 17 Jun 2017 13:37

Instrument :
 BNA_F
 ClientSampleId :
 CC-5B

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.6	76.6	115.0
141	38.6	31.4	47.2

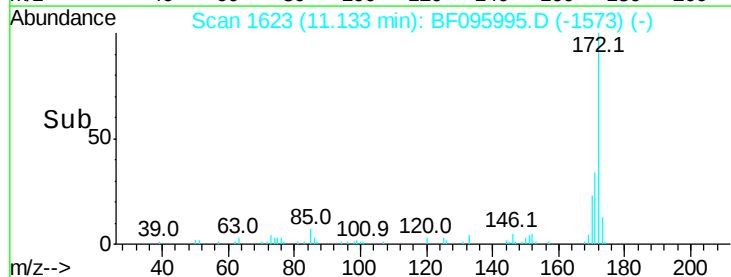
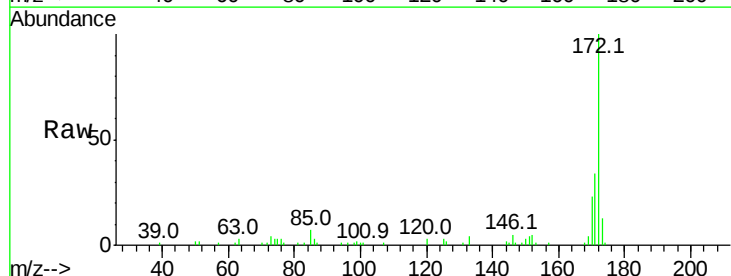
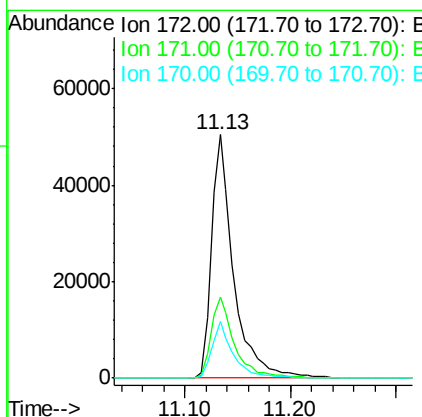
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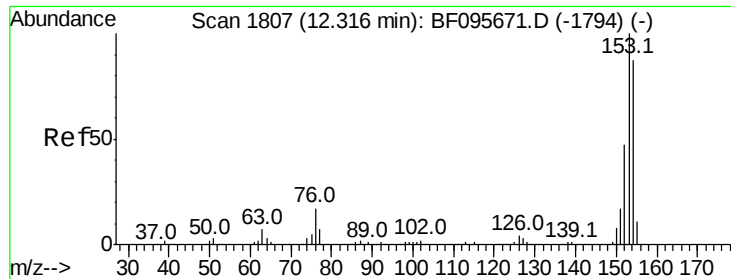
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#44
 2-Fluorobiphenyl
 Concen: 7.95 ng
 RT: 11.13 min Scan# 1623
 Delta R.T. -0.01 min
 Lab File: BF095995.D
 Acq: 17 Jun 2017 13:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.5	29.6	44.4
170	23.5	19.8	29.8





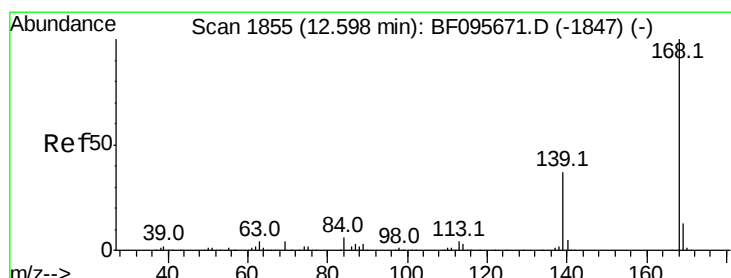
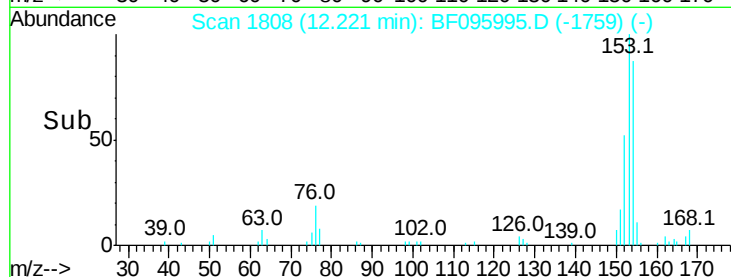
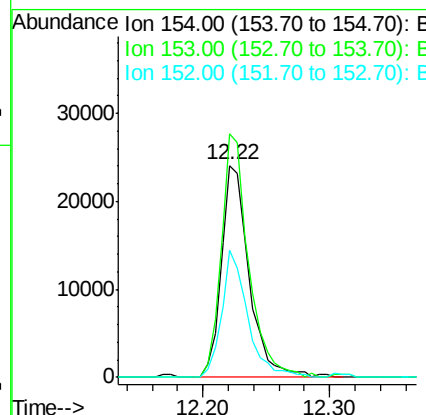
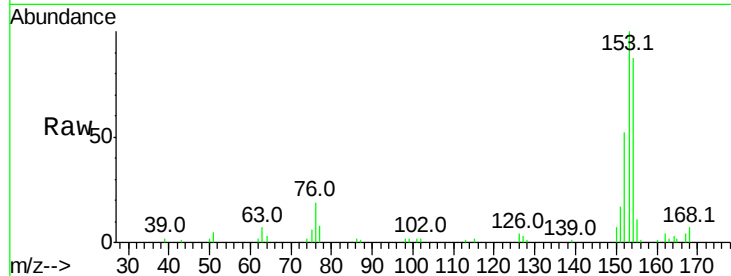
#51
Acenaphthene
Concen: 4.47 ng
RT: 12.22 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BF095995.D
Acq: 17 Jun 2017 13:37

Instrument :
BNA_F
ClientSampleId :
CC-5B

Tot Ion	Ratio	Lower	Upper
154	100		
153	114.7	90.5	135.7
152	60.0	43.6	65.4

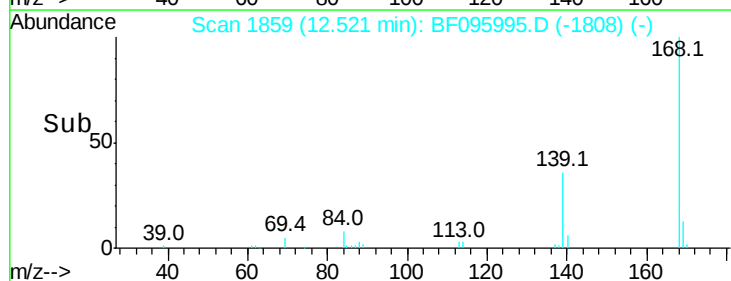
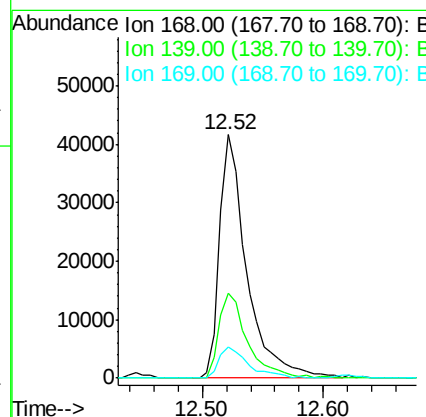
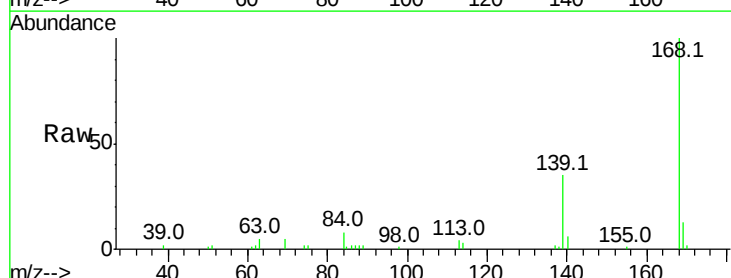
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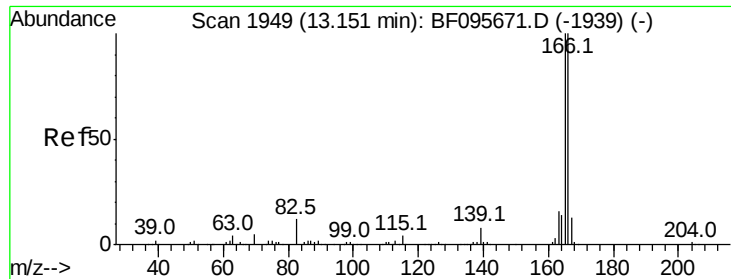
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#54
Dibenzofuran
Concen: 5.60 ng
RT: 12.52 min Scan# 1859
Delta R.T. 0.00 min
Lab File: BF095995.D
Acq: 17 Jun 2017 13:37

Tgt Ion	Ratio	Lower	Upper
168	100		
139	34.6	30.6	45.8
169	12.6	10.8	16.2





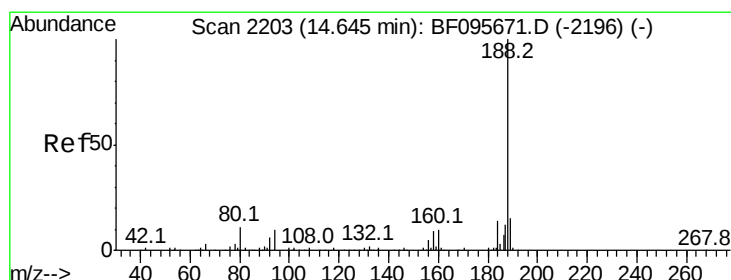
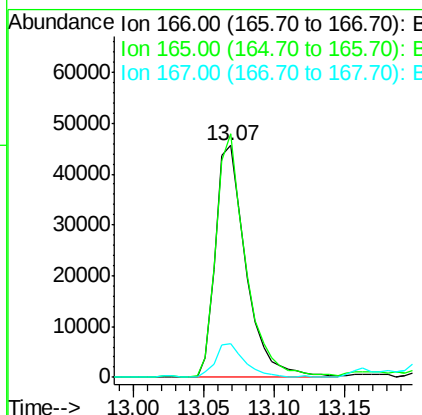
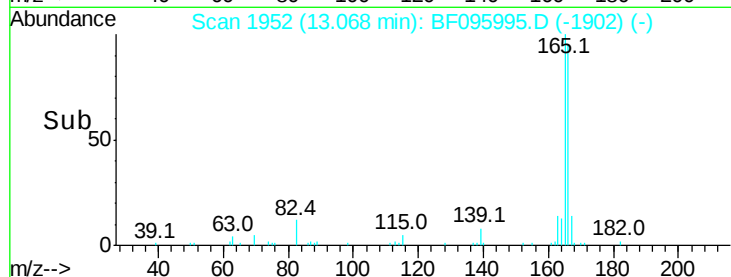
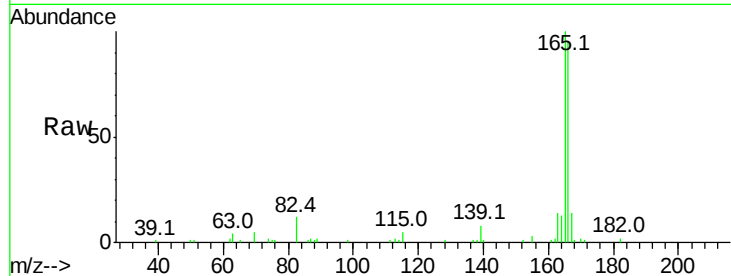
#57
Fluorene
Concen: 6.86 ng
RT: 13.07 min Scan# 1952
Delta R.T. -0.01 min
Lab File: BF095995.D
Acq: 17 Jun 2017 13:37

Instrument :
BNA_F
ClientSampleId :
CC-5B

Tot Ion	Ratio	Lower	Upper
166	100		
165	105.1	78.8	118.2
167	14.3	10.6	16.0

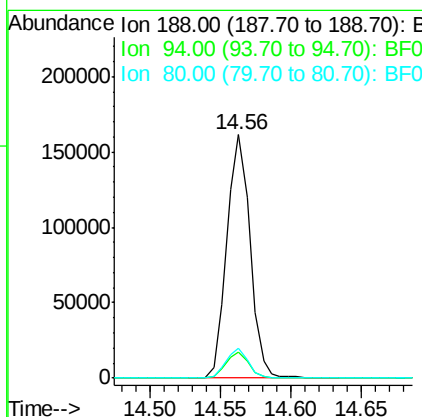
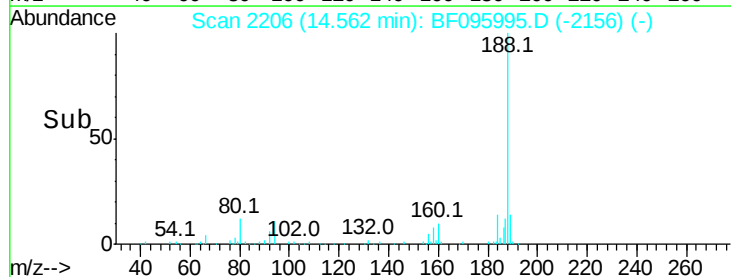
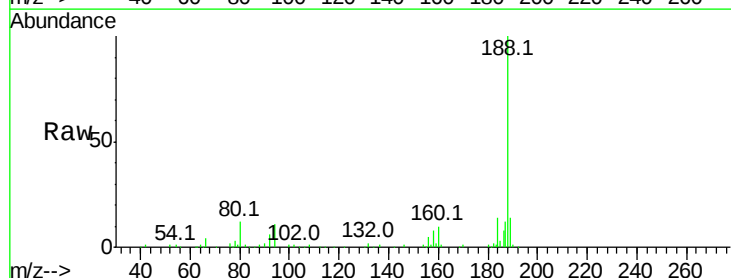
Manual Integrations
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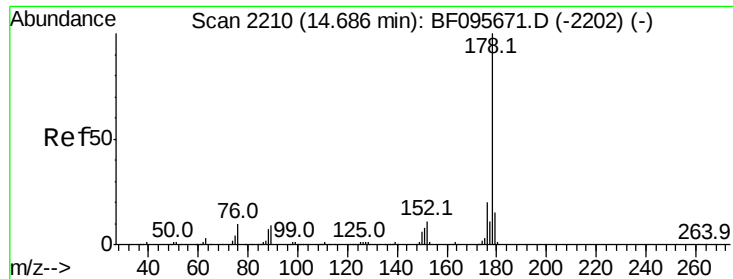
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.56 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF095995.D
Acq: 17 Jun 2017 13:37

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.7	9.4	14.2
80	12.2	10.2	15.2





#70

Phenanthrene

Concen: 39.56 ng

RT: 14.60 min Scan# 2212

Delta R.T. -0.01 min

Lab File: BF095995.D

Acq: 17 Jun 2017 13:37

Instrument :

BNA_F

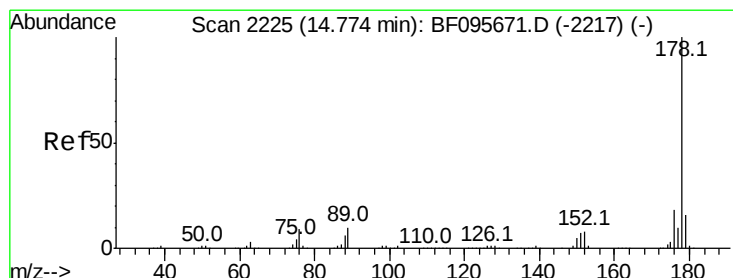
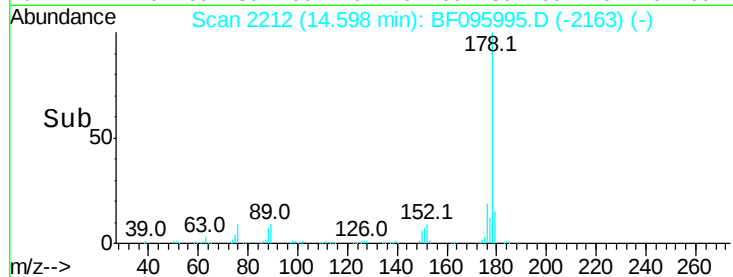
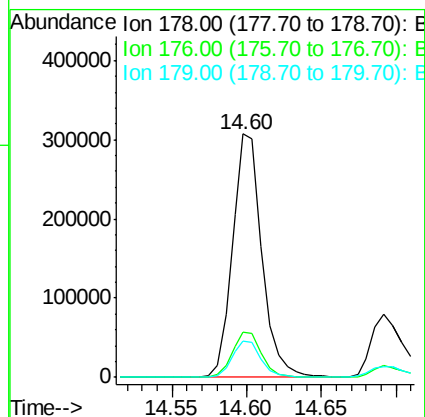
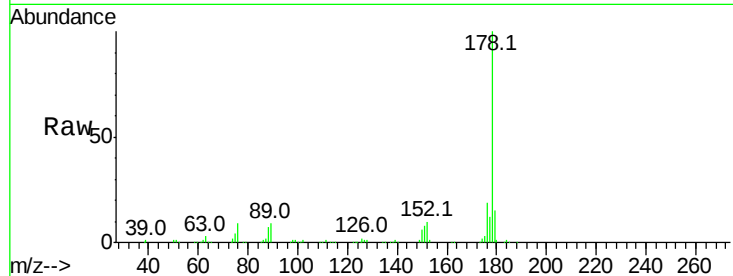
ClientSampleId :

CC-5B

Tot Ion:178	Resp:	423537
Ion Ratio	Lower	Upper
178	100	
176	18.7	16.2 24.4
179	15.1	12.6 19.0

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#71

Anthracene

Concen: 10.89 ng

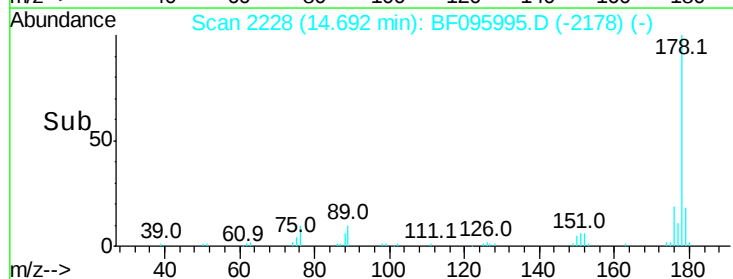
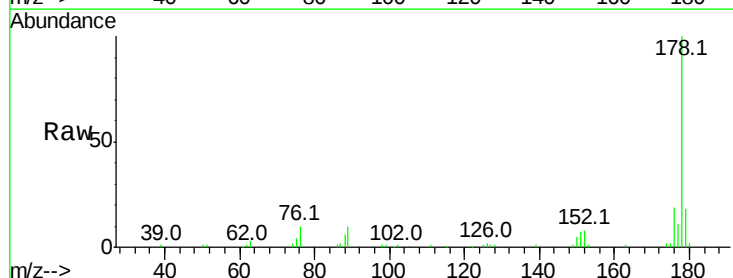
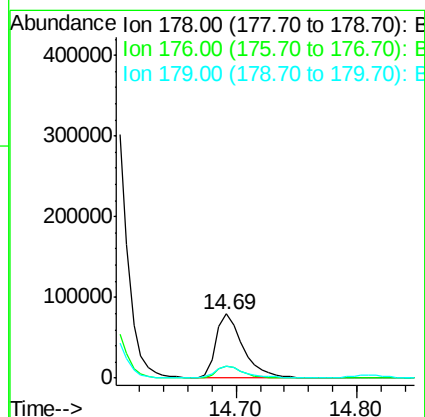
RT: 14.69 min Scan# 2228

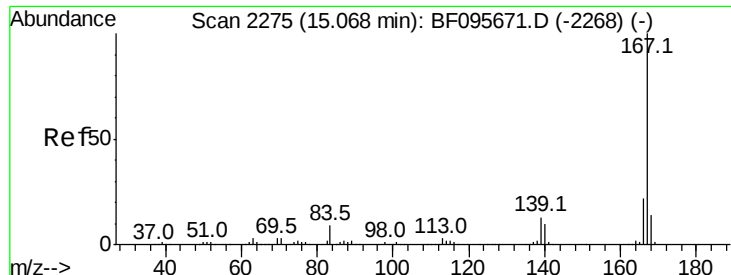
Delta R.T. -0.01 min

Lab File: BF095995.D

Acq: 17 Jun 2017 13:37

Tgt Ion:178	Resp:	121758
Ion Ratio	Lower	Upper
178	100	
176	18.6	15.8 23.8
179	17.9	12.7 19.1





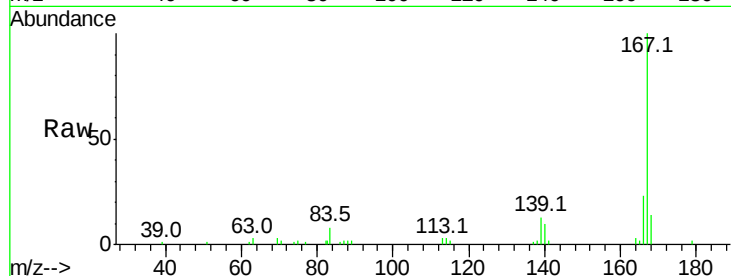
#72
 Carbazole
 Concen: 5.89 ng
 RT: 15.00 min Scan# 2281
 Delta R.T. 0.01 min
 Lab File: BF095995.D
 Acq: 17 Jun 2017 13:37

Instrument :
 BNA_F
 ClientSampleId :
 CC-5B

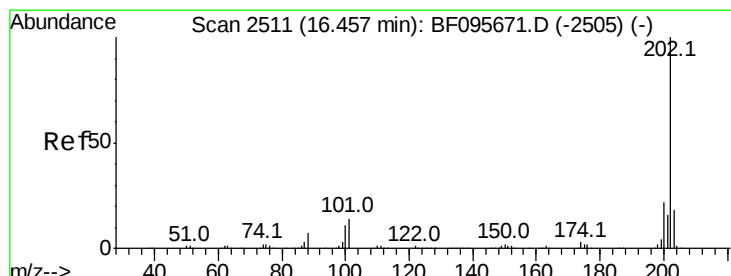
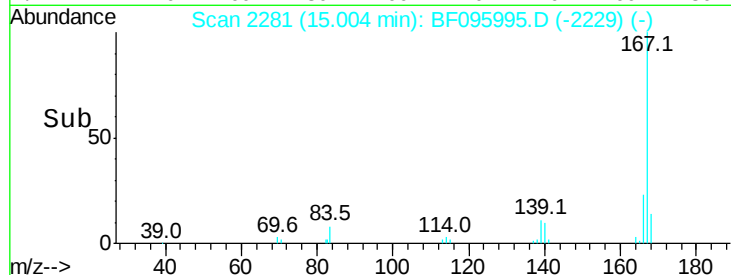
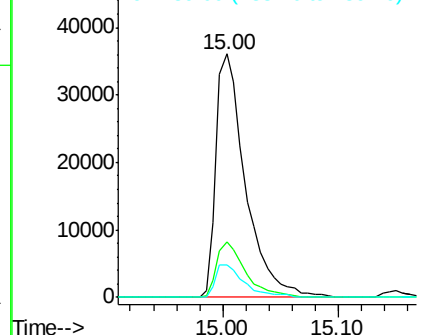
Tot Ion	Ratio	Resp	Lower	Upper
167	100	64115		
166	22.6		18.1	27.1
139	13.1		11.7	17.5

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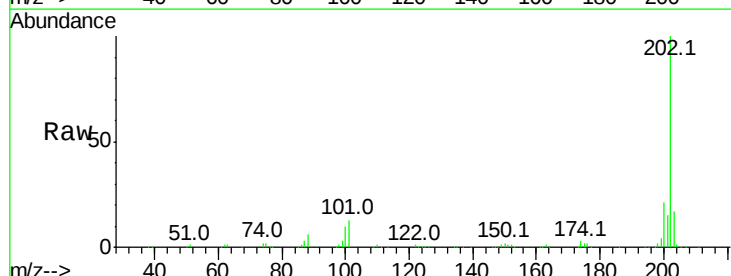


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

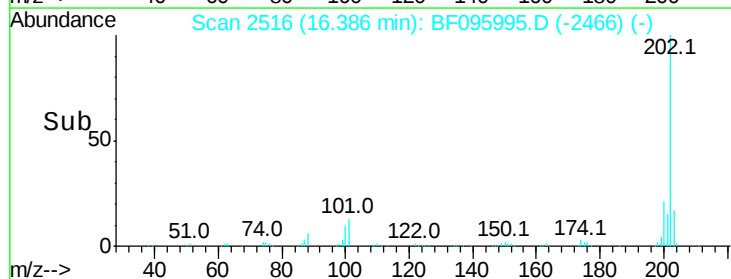
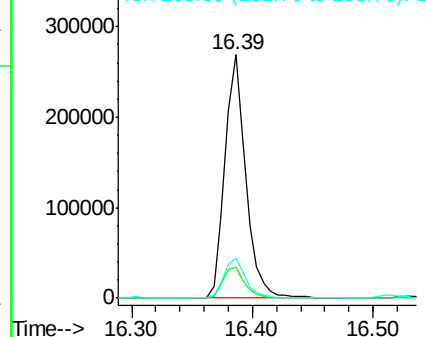


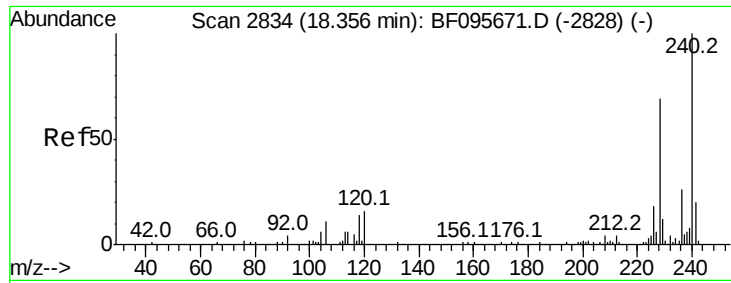
#74
 Fluoranthene
 Concen: 30.26 ng
 RT: 16.39 min Scan# 2516
 Delta R.T. -0.01 min
 Lab File: BF095995.D
 Acq: 17 Jun 2017 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	320652		
101	12.7		0.0	33.2
203	16.7		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: BF095995.D

Acq: 17 Jun 2017 13:37

Instrument :

BNA_F

ClientSampled :

CC-5B

Tot Ion:240 Resp: 154788

Ion Ratio Lower Upper

240 100

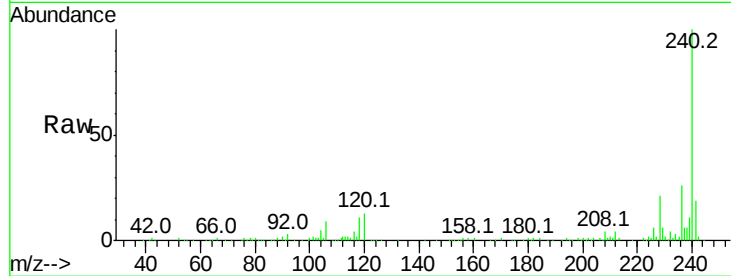
120 13.5 5.8 8.8#

236 25.7 20.5 30.7

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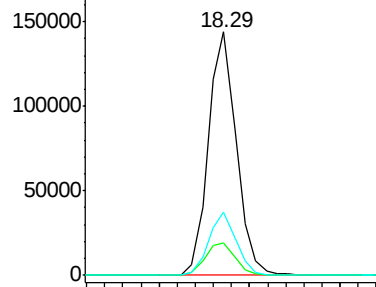
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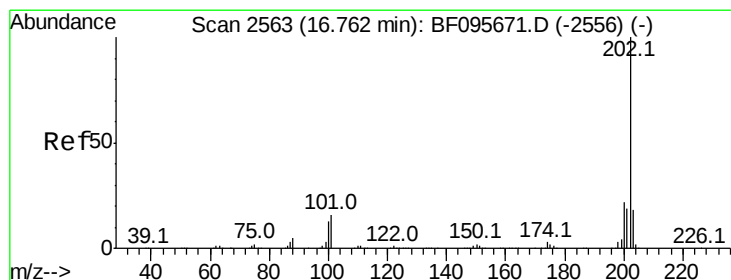
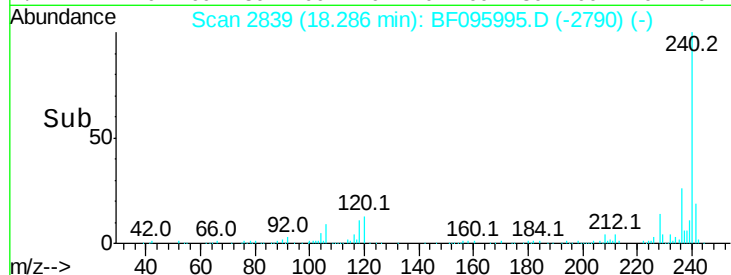
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#77

Pyrene

Concen: 21.22 ng

RT: 16.69 min Scan# 2567

Delta R.T. -0.01 min

Lab File: BF095995.D

Acq: 17 Jun 2017 13:37

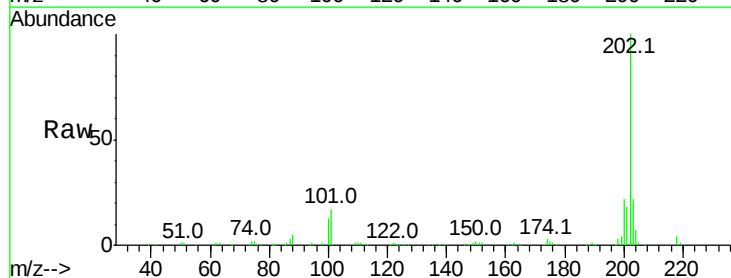
Tgt Ion:202 Resp: 245124

Ion Ratio Lower Upper

202 100

200 21.9 17.6 26.4

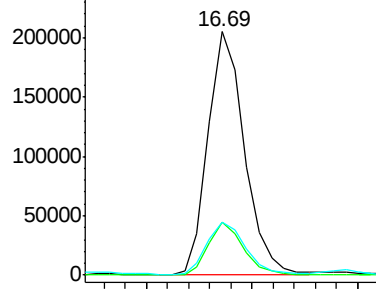
203 21.9 14.4 21.6#



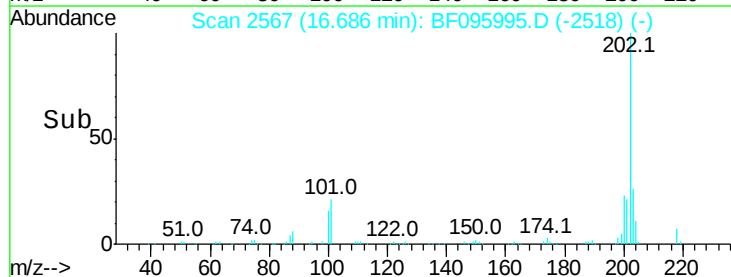
Abundance Ion 202.00 (201.70 to 202.70): E

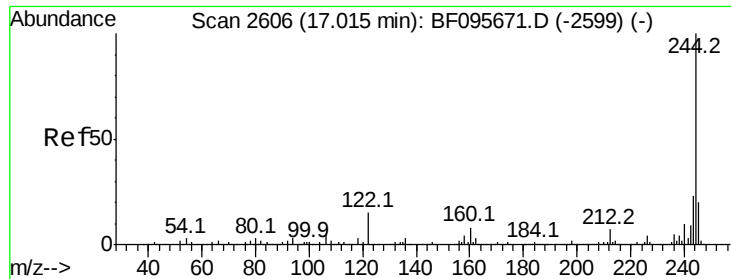
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





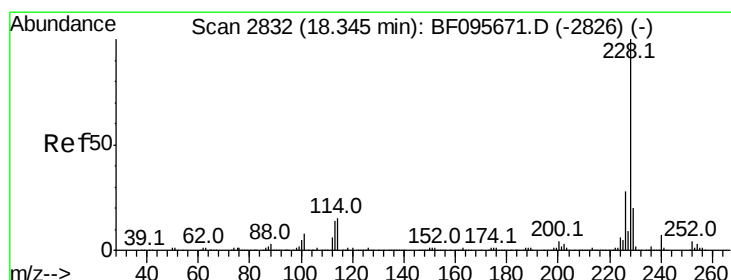
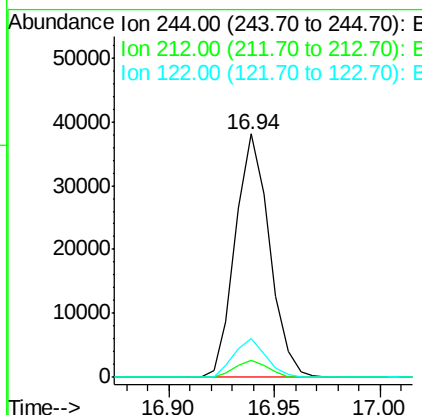
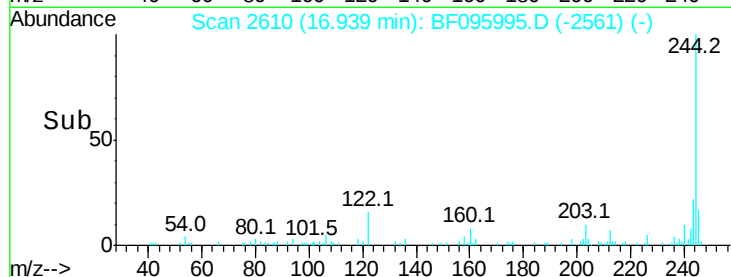
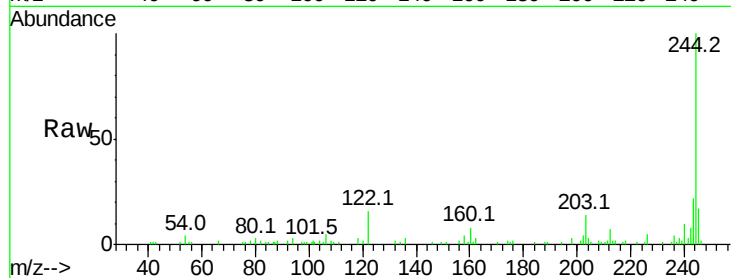
#78
 Terphenyl-d14
 Concen: 6.85 ng
 RT: 16.94 min Scan# 2610
 Delta R.T. -0.01 min
 Lab File: BF095995.D
 Acq: 17 Jun 2017 13:37

Instrument :
 BNA_F
 ClientSampled :
 CC-5B

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	16.2	10.3	15.5#

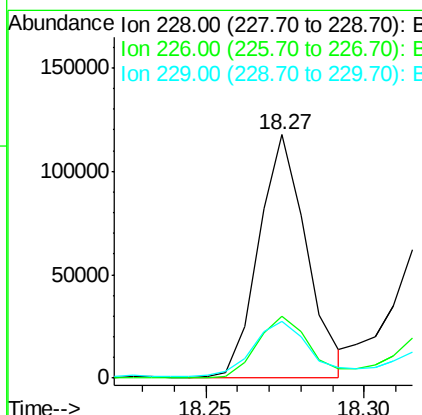
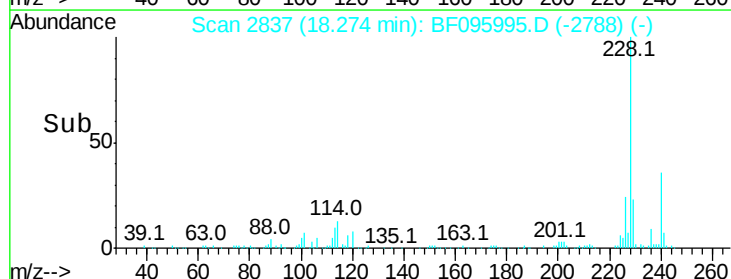
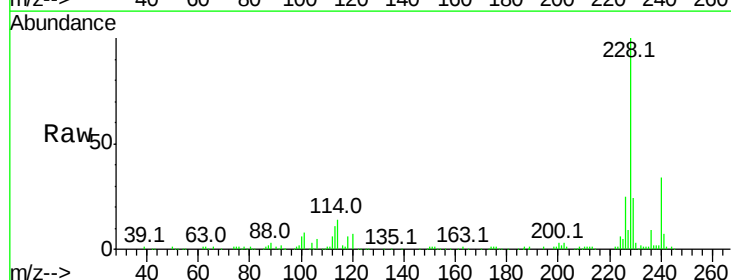
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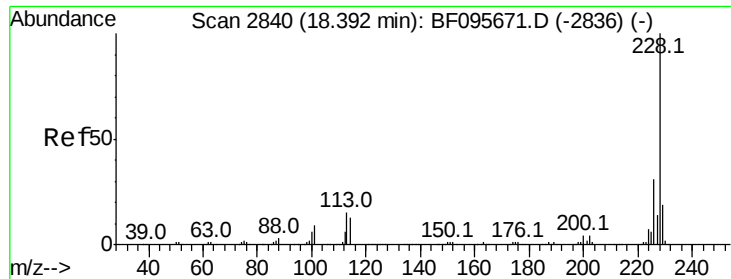
mohammad
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#80
 Benzo(a)anthracene
 Concen: 13.64 ng
 RT: 18.27 min Scan# 2837
 Delta R.T. -0.01 min
 Lab File: BF095995.D
 Acq: 17 Jun 2017 13:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	25.4	22.6	33.8
229	23.5	16.3	24.5





#82

Chrysene

Concen: 12.05 ng/mL

RT: 18.32 min Scan# 2845

Delta R.T. -0.01 min

Lab File: BF095995.D

Acq: 17 Jun 2017 13:37

Instrument :

BNA_F

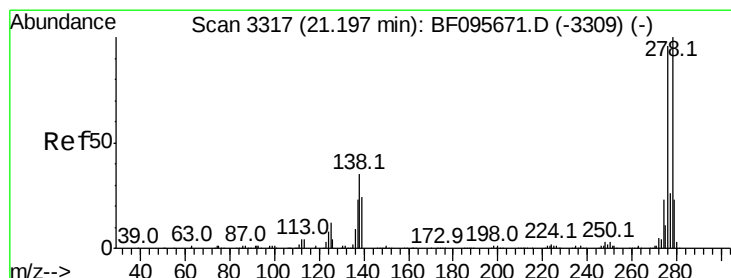
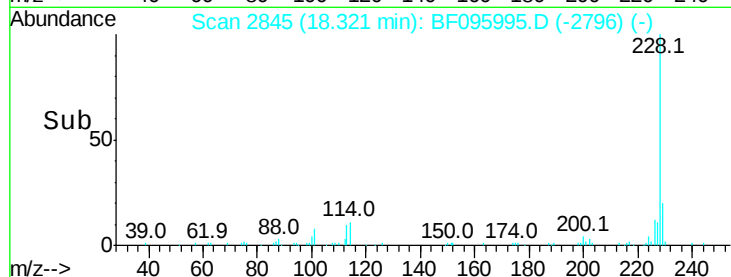
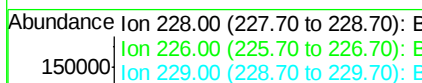
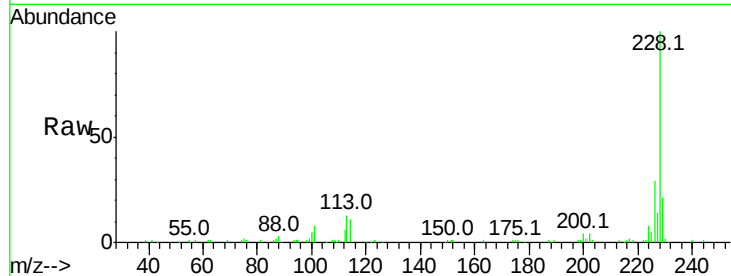
ClientSampleId :

CC-5B

Tot Ion:	228	Resp:	108397
Ion Ratio	Lower	Upper	
228	100		
226	29.3	24.9	37.3
229	20.6	15.8	23.6

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#85

Indeno(1,2,3-cd)pyrene

Concen: 5.45 ng/mL

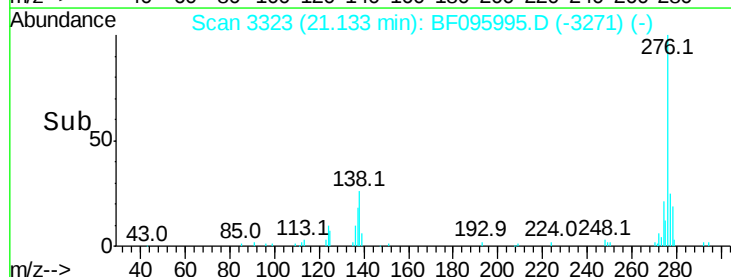
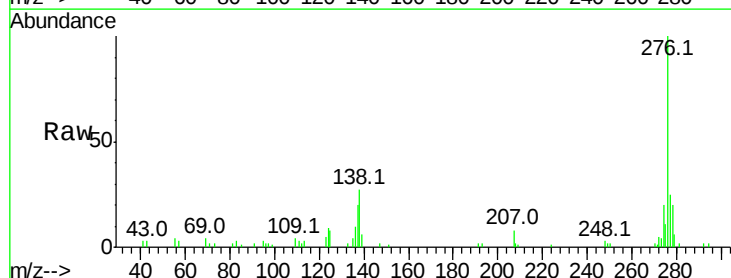
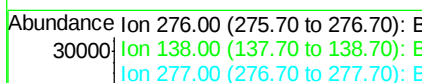
RT: 21.13 min Scan# 3323

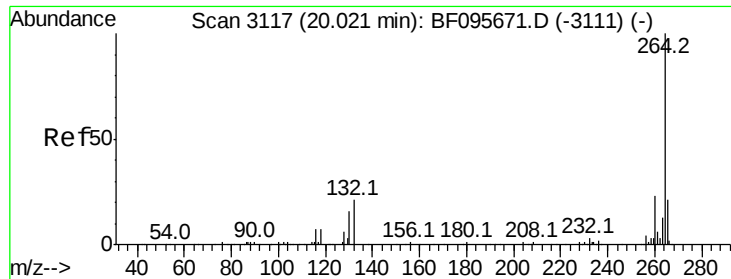
Delta R.T. 0.01 min

Lab File: BF095995.D

Acq: 17 Jun 2017 13:37

Tgt Ion:	276	Resp:	41964
Ion Ratio	Lower	Upper	
276	100		
138	33.2	27.8	41.6
277	25.7	20.2	30.4





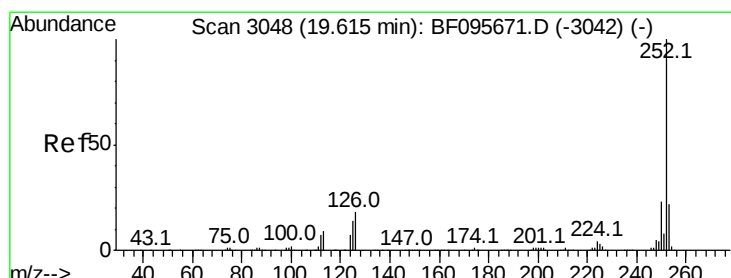
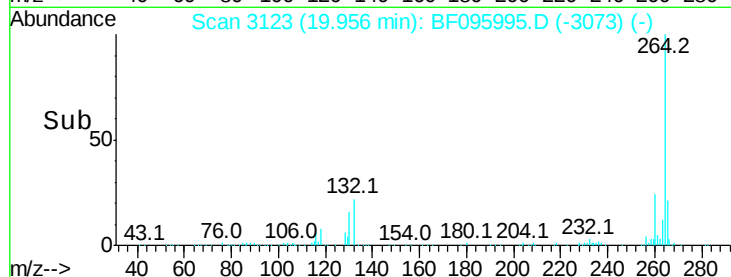
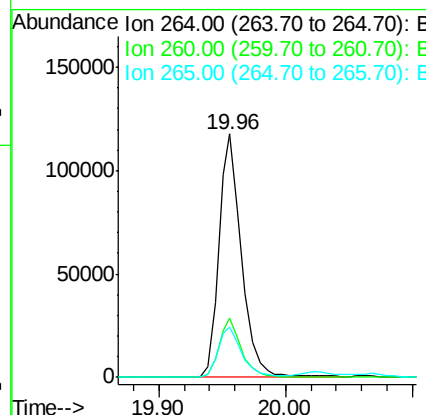
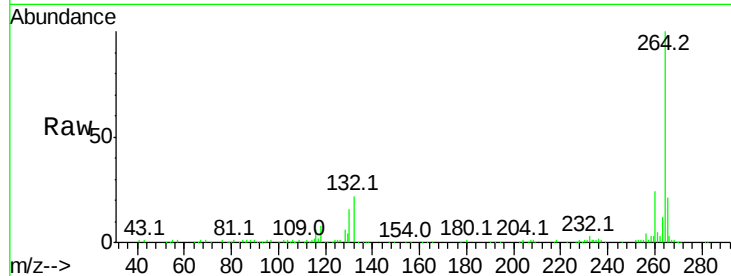
#86
Pervlene-d12
Concen: 20.00 ng
RT: 19.96 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF095995.D
Acq: 17 Jun 2017 13:37

Instrument :
BNA_F
ClientSampleId :
CC-5B

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	20.7	17.2	25.8

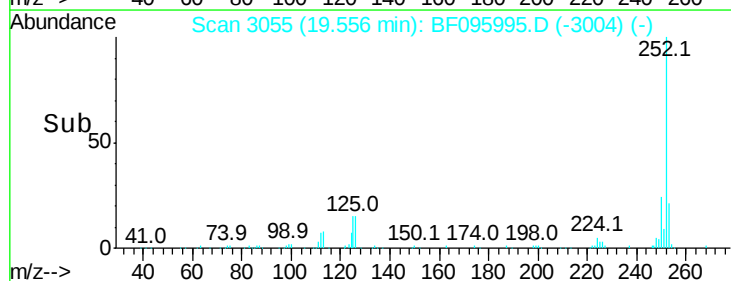
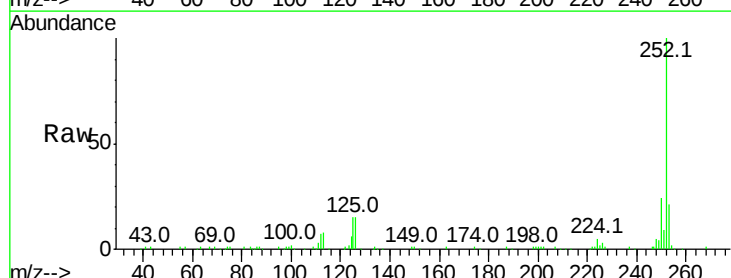
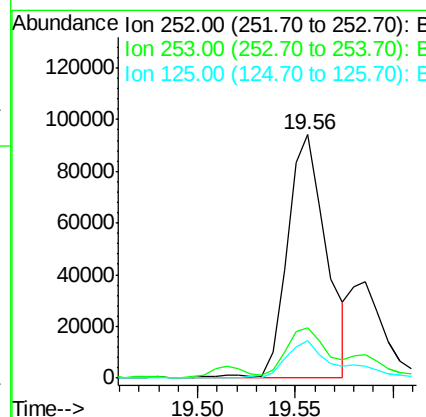
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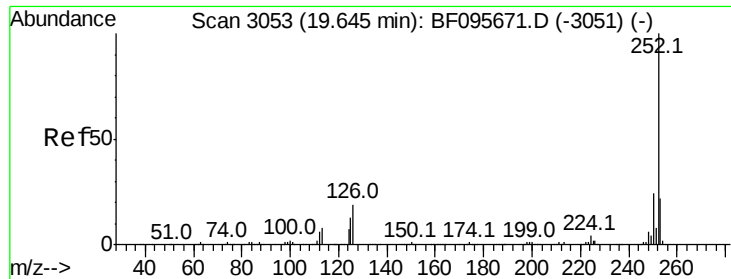
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#87
Benzo(b)fluoranthene
Concen: 14.18 ng
RT: 19.56 min Scan# 3055
Delta R.T. 0.00 min
Lab File: BF095995.D
Acq: 17 Jun 2017 13:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.9	18.1	27.1
125	15.2	9.8	14.8





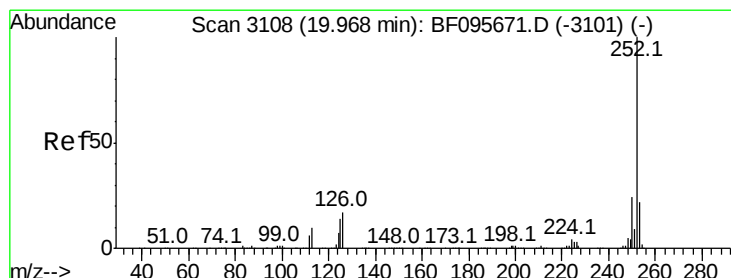
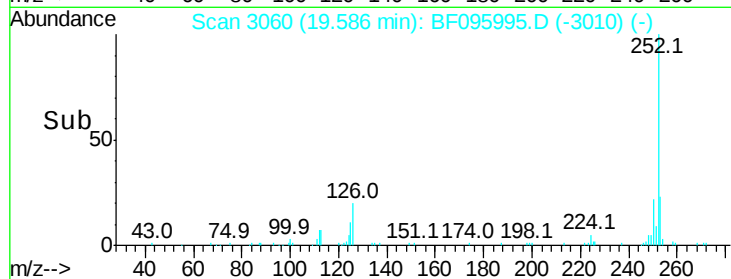
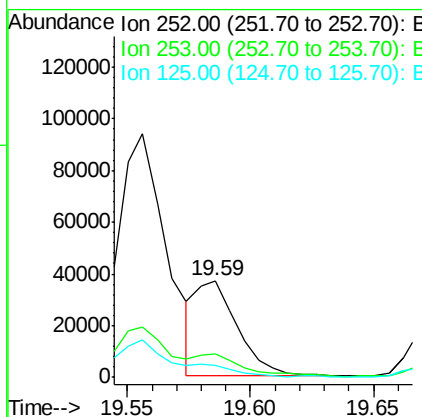
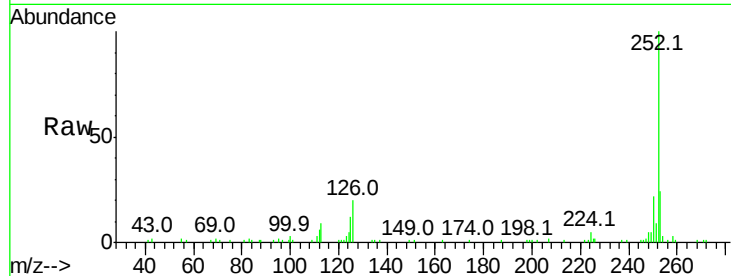
#88
Benzo(k)fluoranthene
Concen: 4.90 ng m
RT: 19.59 min Scan# 3060
Delta R.T. -0.01 min
Lab File: BF095995.D
Acq: 17 Jun 2017 13:37

Instrument :
BNA_F
ClientSampleId :
CC-5B

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.4	27.6
125	12.2	13.1	19.7

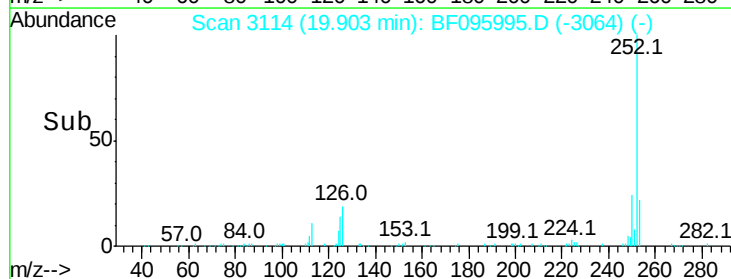
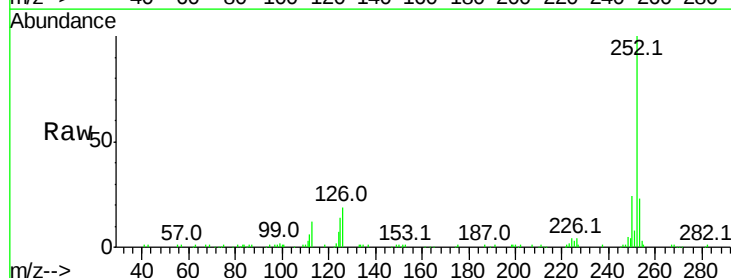
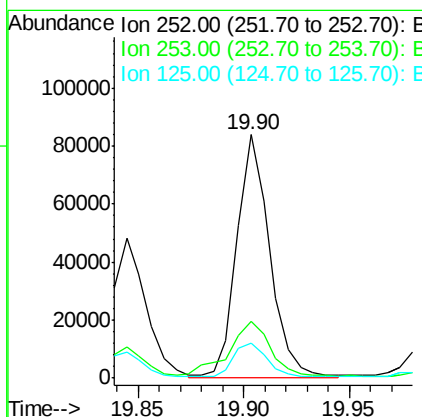
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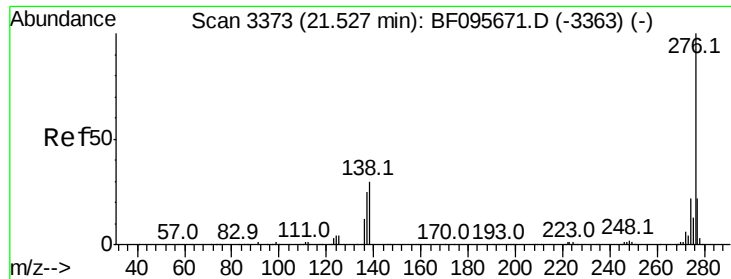
mohammad
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#89
Benzo(a)pyrene
Concen: 10.65 ng
RT: 19.90 min Scan# 3114
Delta R.T. -0.01 min
Lab File: BF095995.D
Acq: 17 Jun 2017 13:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	14.2	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 4.90 ng
 RT: 21.46 min Scan# 3379
 Delta R.T. 0.02 min
 Lab File: BF095995.D
 Acq: 17 Jun 2017 13:37

Instrument :
 BNA_F
 ClientSampleId :
 CC-5B

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.6	28.0
138	28.3	25.4	38.0

Manual Integrations
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