

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061917\
 Data File : BF096006.D
 Acq On : 19 Jun 2017 15:07
 Operator : SJ/MA
 Sample : I3683-01 10X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CC-4-COMP

Manual Integrations
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Quant Time: Jun 19 17:48:48 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	7.30	152	93519	20.00	ng	-0.02
21) Naphthalene-d8	9.33	136	384748	20.00	ng	-0.02
38) Acenaphthene-d10	12.16	164	164920	20.00	ng	-0.02
63) Phenanthrene-d10	14.54	188	261194	20.00	ng	-0.02
75) Chrysene-d12	18.27	240	162323	20.00	ng	-0.02
86) Perylene-d12	19.94	264	163594	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	39938m	6.80	ng	0.06
7) Phenol-d6	6.95	99	56215m	8.00	ng	0.04
23) Nitrobenzene-d5	8.27	82	30945	5.00	ng	0.02
41) 2,4,6-Tribromophenol	13.47	330	8393	5.75	ng	0.00
44) 2-Fluorobiphenyl	11.12	172	83347	7.03	ng	-0.02
78) Terphenyl-d14	16.93	244	51516	7.88	ng	-0.02

Target Compounds						Qvalue
31) Naphthalene	9.37	128	389032	20.15	ng	99
37) 2-Methylnaphthalene	10.50	142	84469	6.47	ng	98
51) Acenaphthene	12.20	154	69633	6.64	ng	99
54) Dibenzofuran	12.50	168	132792	9.00	ng	96
57) Fluorene	13.05	166	124618	9.70	ng	99
70) Phenanthrene	14.59	178	781718	51.87	ng	98
71) Anthracene	14.67	178	214486	13.63	ng	95
72) Carbazole	14.98	167	114275	7.45	ng	97
74) Fluoranthene	16.37	202	509452	34.15	ng	99
77) Pyrene	16.67	202	417328	34.46	ng	# 95
80) Benzo(a)anthracene	18.26	228	162998m	17.27	ng	
82) Chrysene	18.31	228	135627	14.38	ng	96
83) Bis(2-ethylhexyl)phthalate	18.35	149	26926	3.61	ng	# 96
85) Indeno(1,2,3-cd)pyrene	21.12	276	66418	8.23	ng	94
87) Benzo(b)fluoranthene	19.54	252	151161m	14.76	ng	
88) Benzo(k)fluoranthene	19.57	252	57630m	5.89	ng	
89) Benzo(a)pyrene	19.89	252	120032	12.75	ng	97
90) Dibenzo(a,h)anthracene	21.10	278	19777m	2.48	ng	
91) Benzo(a,h,i)perylene	21.44	276	59511	7.31	ng	98

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

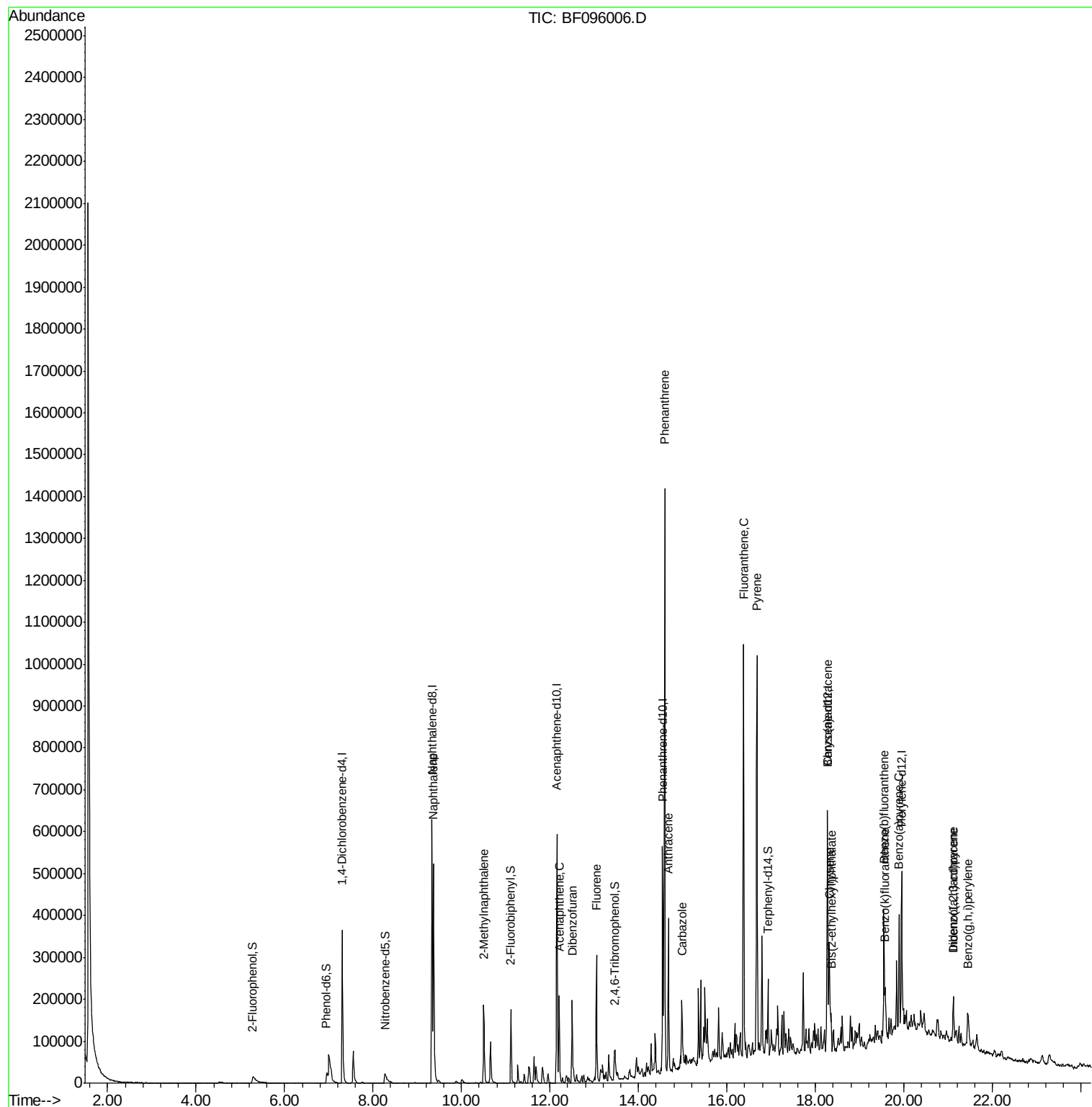
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061917\
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ALS Vial : 9 Sample Multiplier: 1

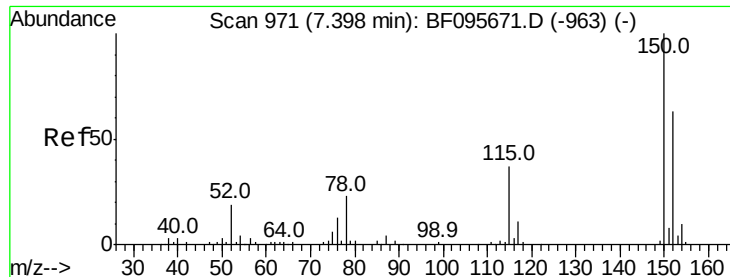
Instrument :
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#1

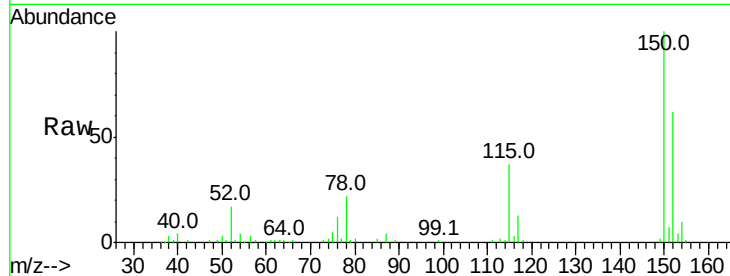
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.30 min Scan# 989
Delta R.T. -0.02 min
Lab File: BF096006.D
Acq: 19 Jun 2017 15:07

Instrument :
BNA_F
ClientSampleId :
CC-4-COMP

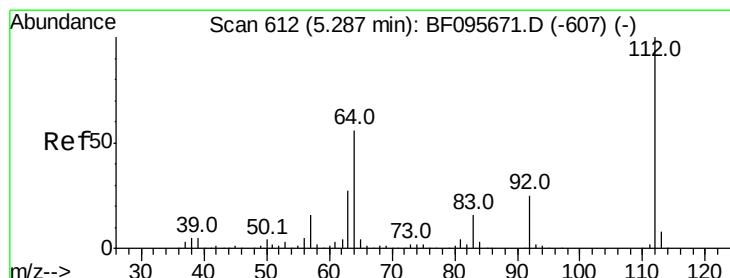
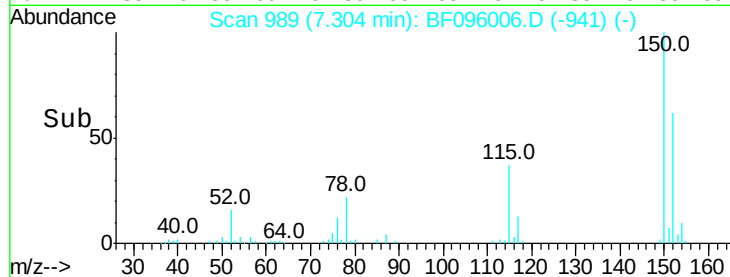
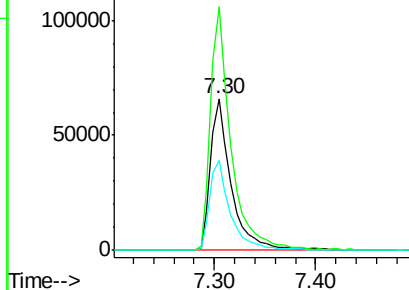
Tot Ion	Ratio	Lower	Upper
152	100		
150	160.6	126.2	189.2
115	59.7	52.2	78.2

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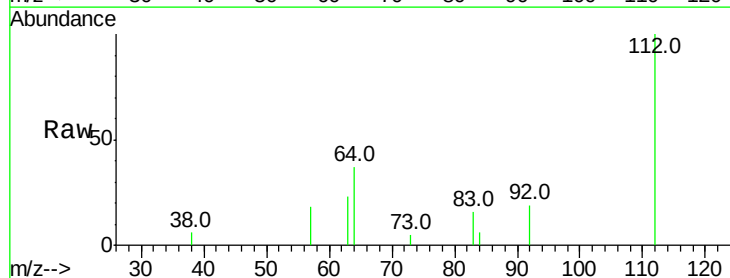
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



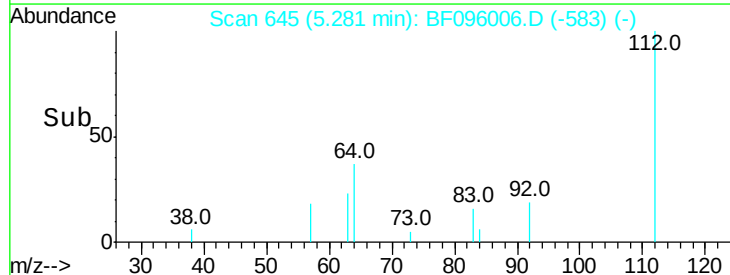
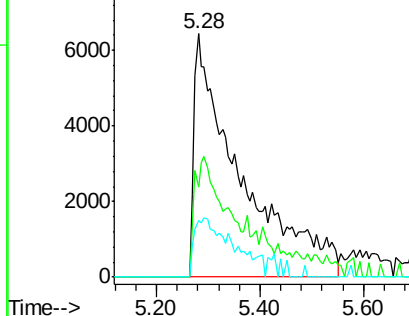
#5

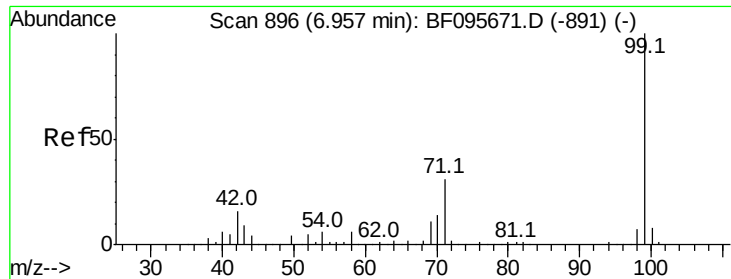
2-Fluorophenol
Concen: 6.80 ng m
RT: 5.28 min Scan# 645
Delta R.T. 0.06 min
Lab File: BF096006.D
Acq: 19 Jun 2017 15:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	37.1	46.0	69.0#
63	23.5	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

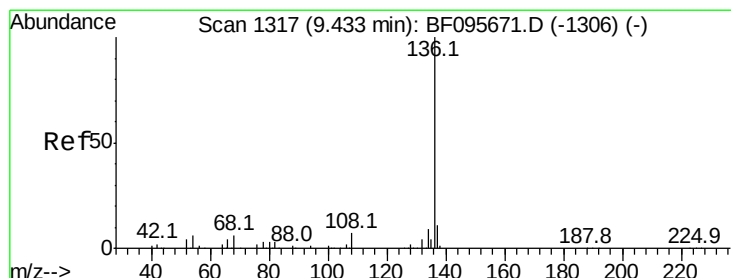
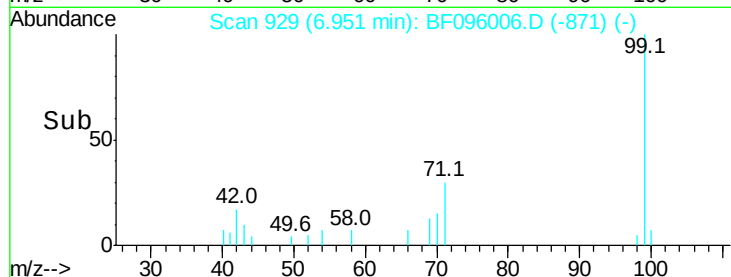
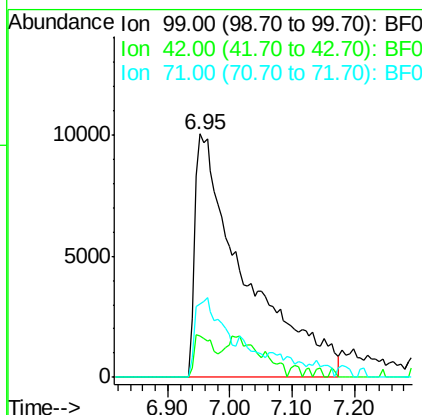
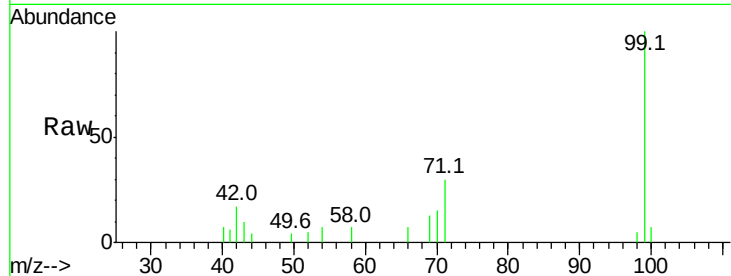
Concen: 8.00 ng/mL
 RT: 6.95 min Scan# 929
 Delta R.T. 0.04 min
 Lab File: BF096006.D
 Acq: 19 Jun 2017 15:07

Instrument :
 BNA_F
 ClientSampleId :
 CC-4-COMP

Tot Ion	Ratio	Lower	Upper
99	100		
42	17.1	13.5	20.3
71	30.1	24.5	36.7

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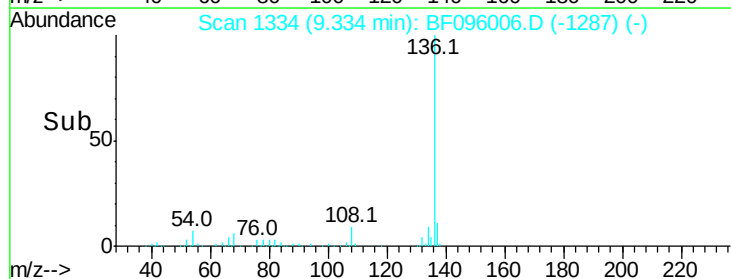
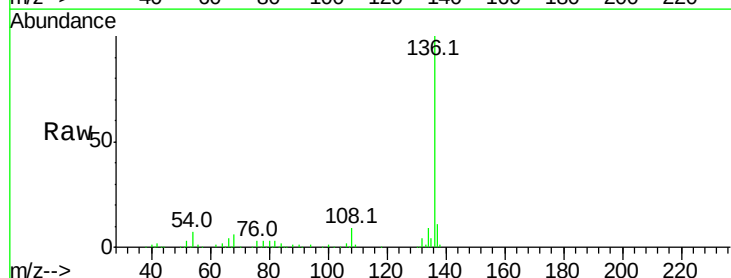
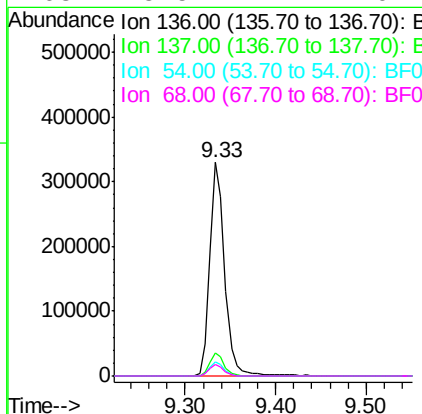


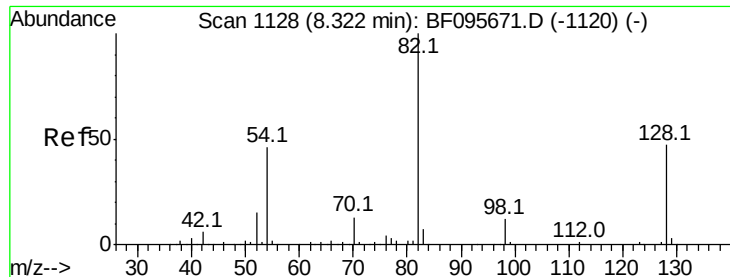
#21

Naphthalene-d8

Concen: 20.00 ng/mL
 RT: 9.33 min Scan# 1334
 Delta R.T. -0.02 min
 Lab File: BF096006.D
 Acq: 19 Jun 2017 15:07

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	6.9	4.9	7.3
68	5.5	4.1	6.1





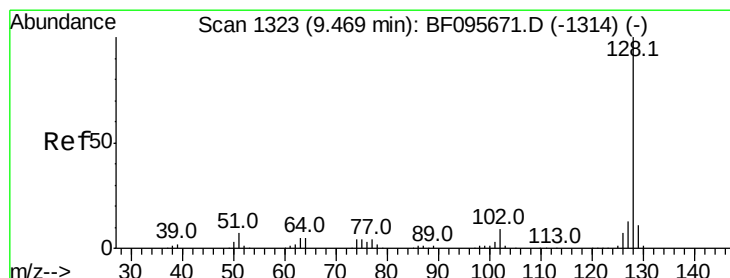
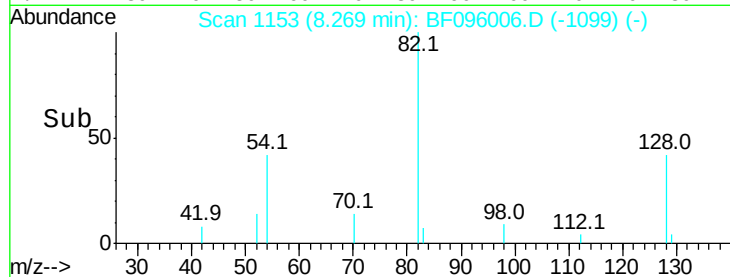
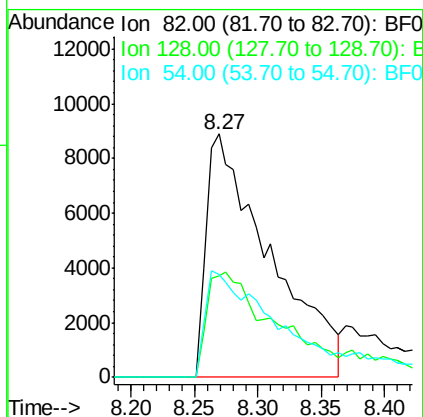
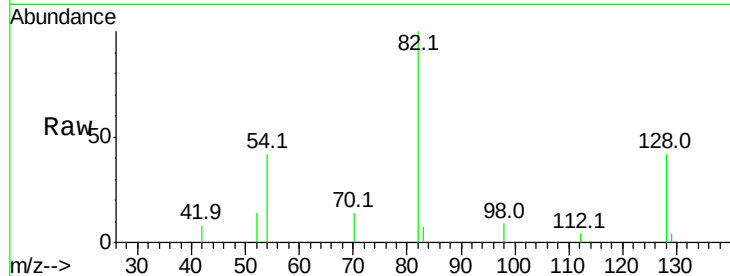
#23
 Nitrobenzene-d5
 Concen: 5.00 ng
 RT: 8.27 min Scan# 1153
 Delta R.T. 0.02 min
 Lab File: BF096006.D
 Acq: 19 Jun 2017 15:07

Instrument :
 BNA_F
 ClientSampleId :
 CC-4-COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.8	34.0	51.0
54	42.3	42.2	63.2

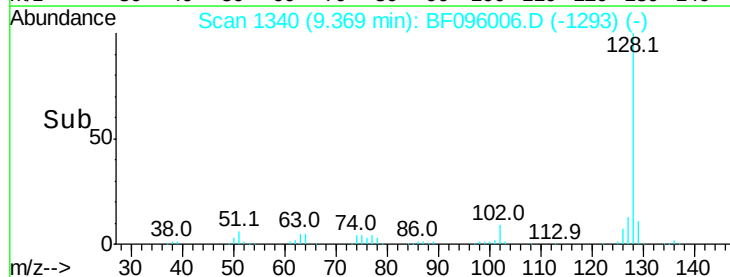
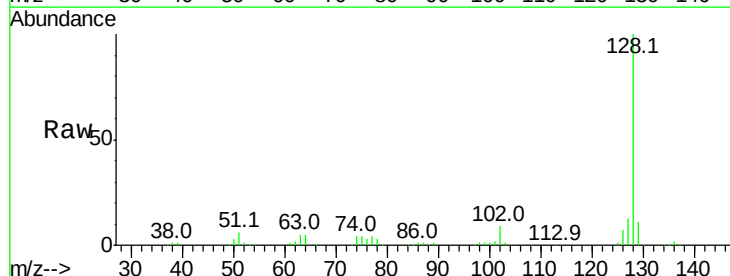
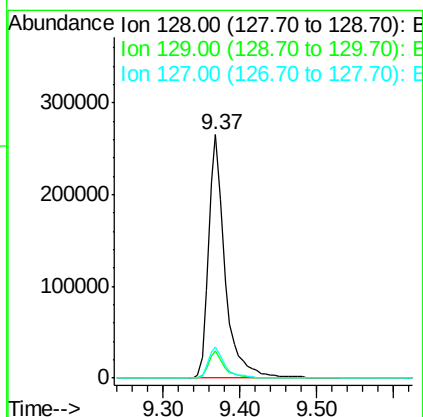
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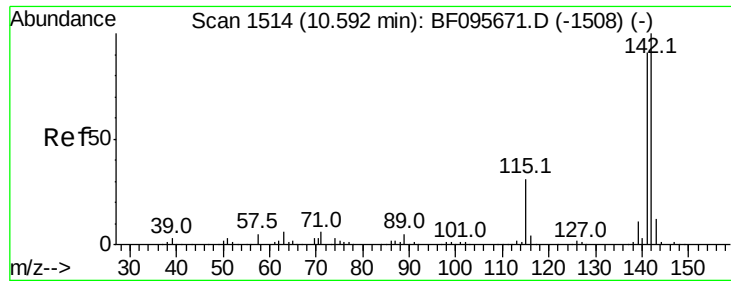
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#31
 Naphthalene
 Concen: 20.15 ng
 RT: 9.37 min Scan# 1340
 Delta R.T. -0.02 min
 Lab File: BF096006.D
 Acq: 19 Jun 2017 15:07

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.0	13.6
127	12.7	10.8	16.2





#37

2-Methylnaphthalene

Concen: 6.47 ng

RT: 10.50 min Scan# 1533

Delta R.T. -0.01 min

Lab File: BF096006.D

Acq: 19 Jun 2017 15:07

Instrument :

BNA_F

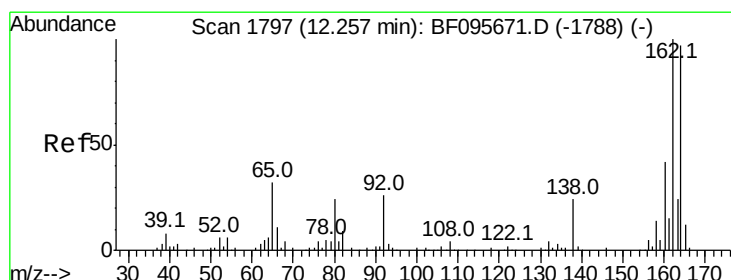
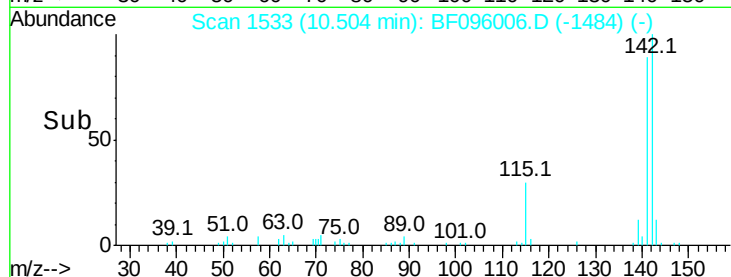
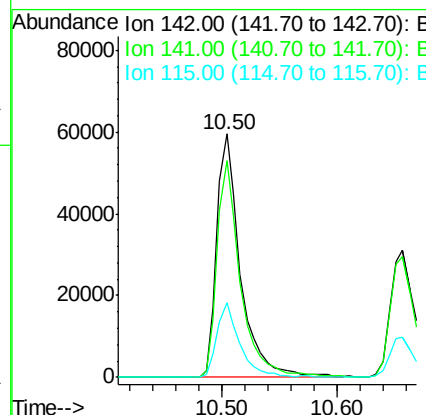
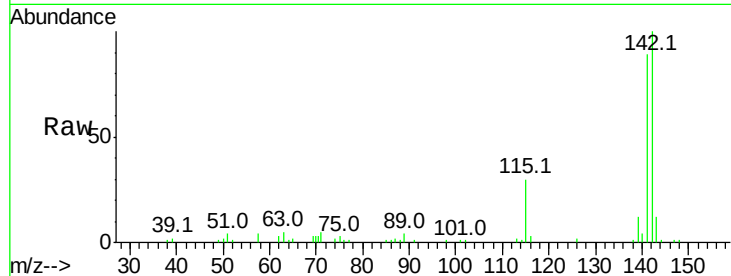
ClientSampleId :

CC-4-COMP

Tot Ion:	142	Resp:	84469
Ion Ratio	Lower	Upper	
142	100		
141	88.8	71.3	106.9
115	30.4	27.1	40.7

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#38

Acenaphthene-d10

Concen: 20.00 ng

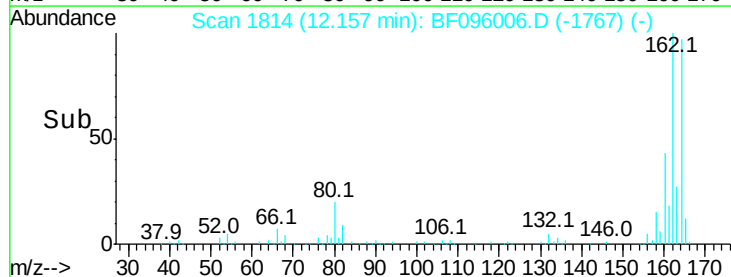
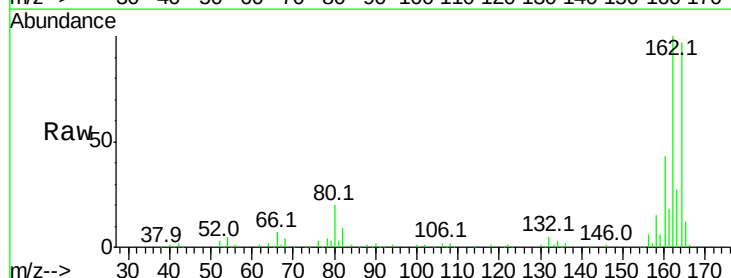
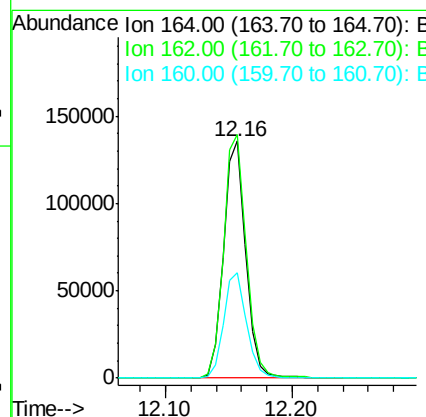
RT: 12.16 min Scan# 1814

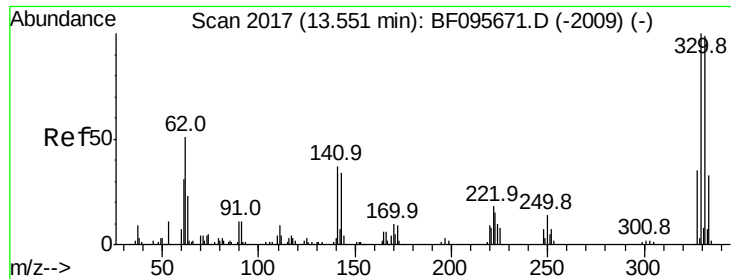
Delta R.T. -0.02 min

Lab File: BF096006.D

Acq: 19 Jun 2017 15:07

Tgt Ion:	164	Resp:	164920
Ion Ratio	Lower	Upper	
164	100		
162	102.7	82.6	123.8
160	44.5	36.2	54.2





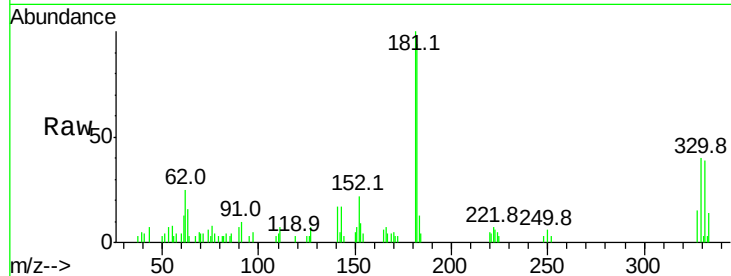
#41
 2,4,6-Tribromophenol
 Concen: 5.75 ng
 RT: 13.47 min Scan# 2038
 Delta R.T. -0.01 min
 Lab File: BF096006.D
 Acq: 19 Jun 2017 15:07

Instrument :
 BNA_F
 ClientSampleId :
 CC-4-COMP

Tot Ion	Ratio	Lower	Upper
330	100		
332	100.1	76.6	115.0
141	42.8	31.4	47.2

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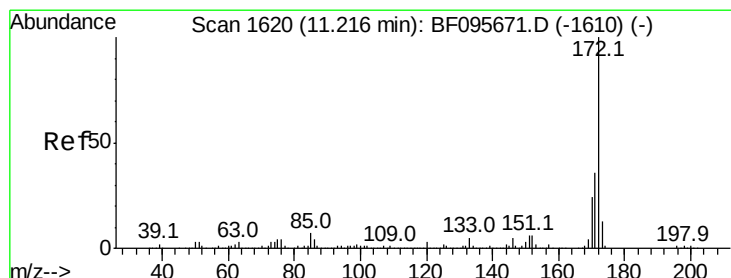
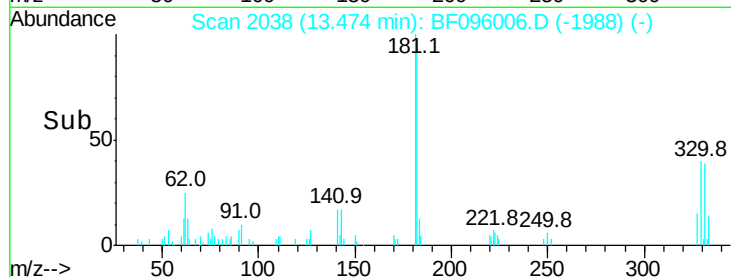
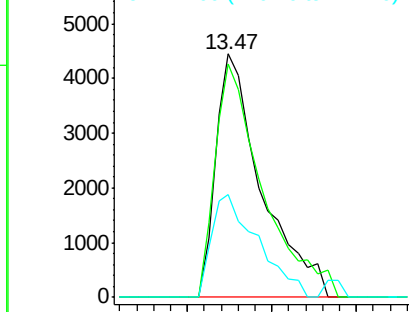


Abundance

Ion 329.80 (329.50 to 330.50): E

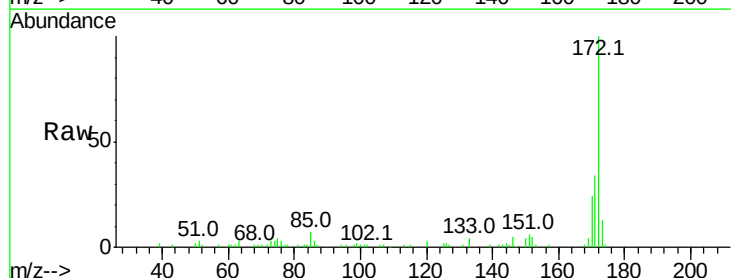
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 7.03 ng
 RT: 11.12 min Scan# 1637
 Delta R.T. -0.02 min
 Lab File: BF096006.D
 Acq: 19 Jun 2017 15:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.1	29.6	44.4
170	23.7	19.8	29.8

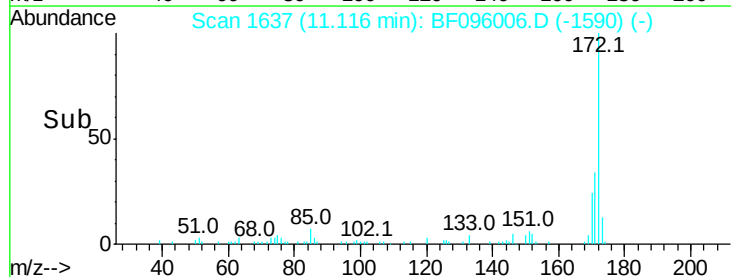
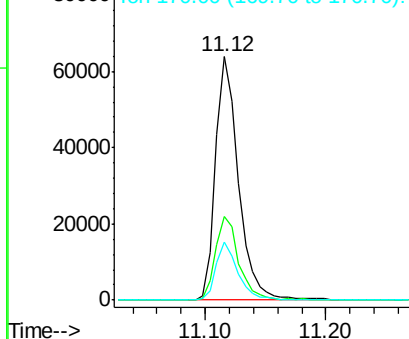


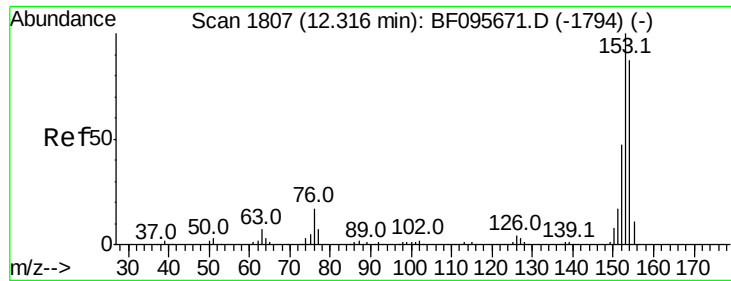
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

Acenaphthene

Concen: 6.64 ng

RT: 12.20 min Scan# 1822

Delta R.T. -0.03 min

Lab File: BF096006.D

Acq: 19 Jun 2017 15:07

Instrument :

BNA_F

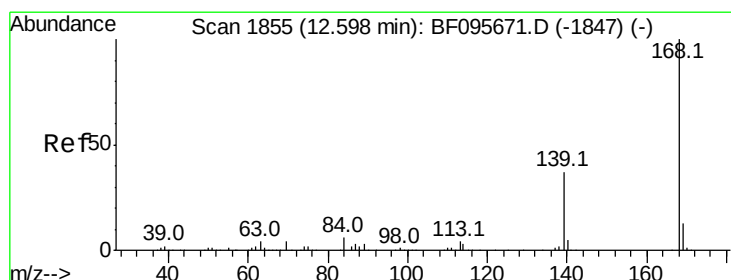
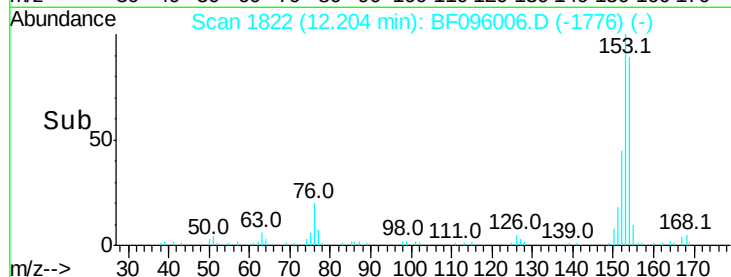
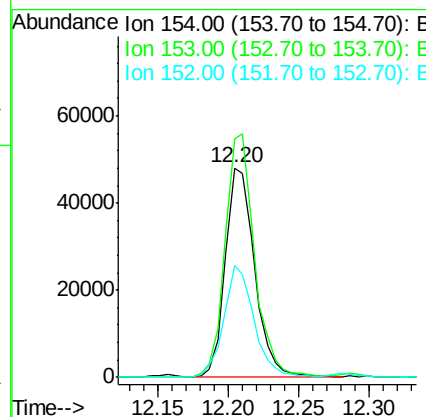
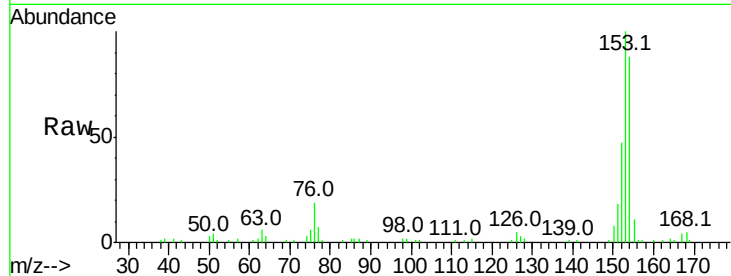
ClientSampleId :

CC-4-COMP

Tot Ion:	154	Resp:	69633
Ion	Ratio	Lower	Upper
154	100		
153	113.8	90.5	135.7
152	53.3	43.6	65.4

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#54

Dibenzofuran

Concen: 9.00 ng

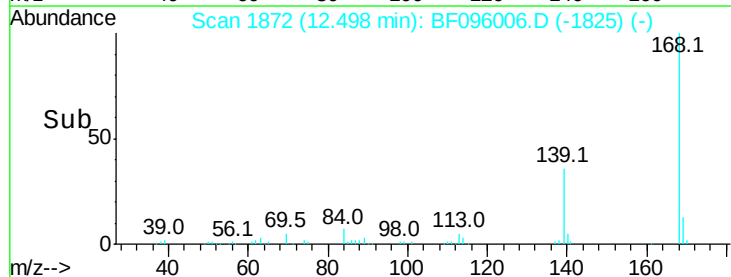
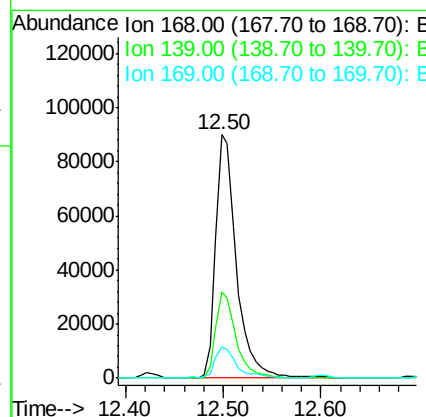
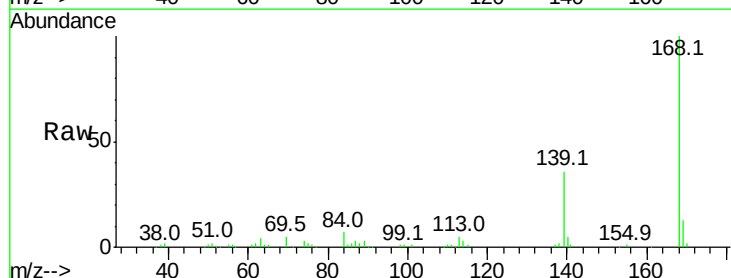
RT: 12.50 min Scan# 1872

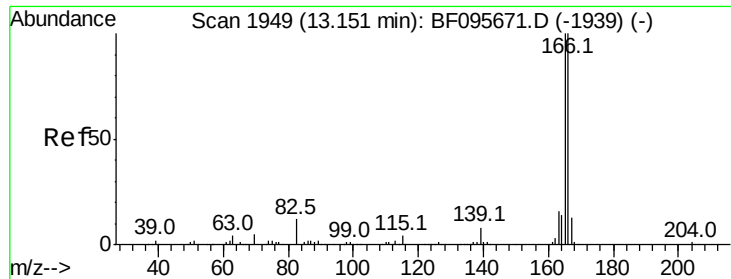
Delta R.T. -0.02 min

Lab File: BF096006.D

Acq: 19 Jun 2017 15:07

Tgt Ion:	168	Resp:	132792
Ion	Ratio	Lower	Upper
168	100		
139	35.5	30.6	45.8
169	12.6	10.8	16.2





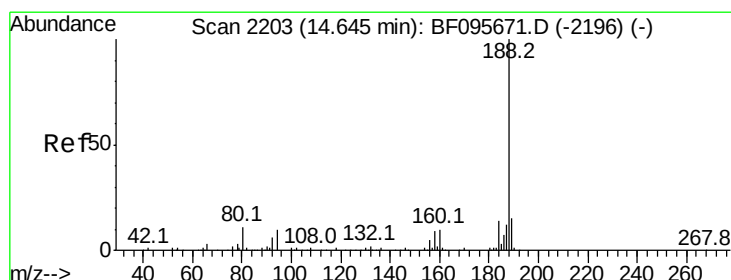
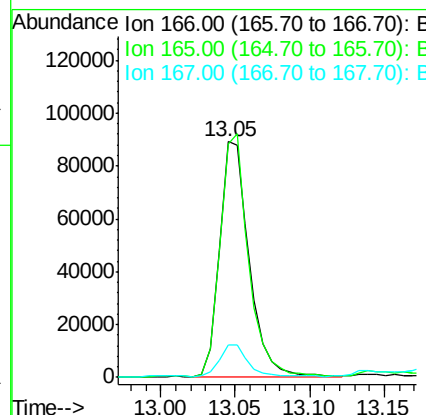
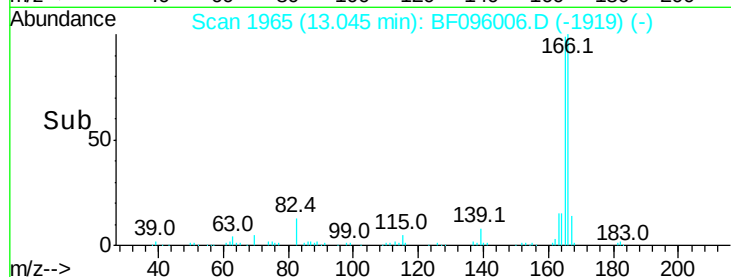
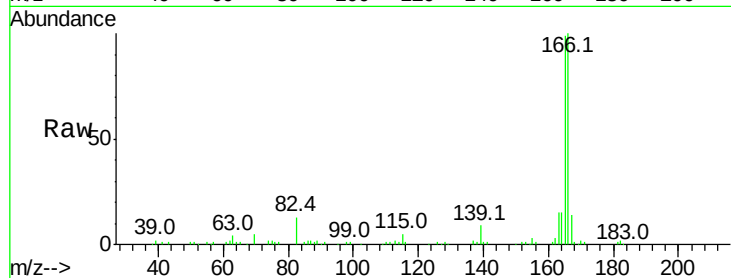
#57
Fluorene
Concen: 9.70 ng
RT: 13.05 min Scan# 1965
Delta R.T. -0.03 min
Lab File: BF096006.D
Acq: 19 Jun 2017 15:07

Instrument :
BNA_F
ClientSampleId :
CC-4-COMP

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.0	78.8	118.2
167	13.8	10.6	16.0

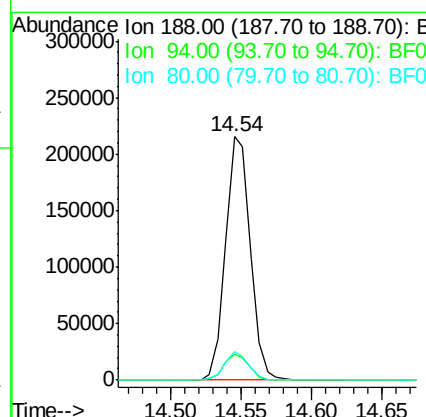
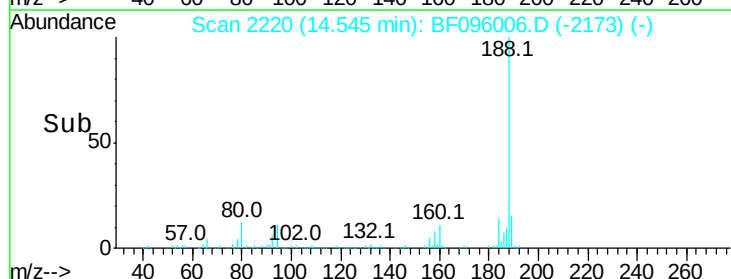
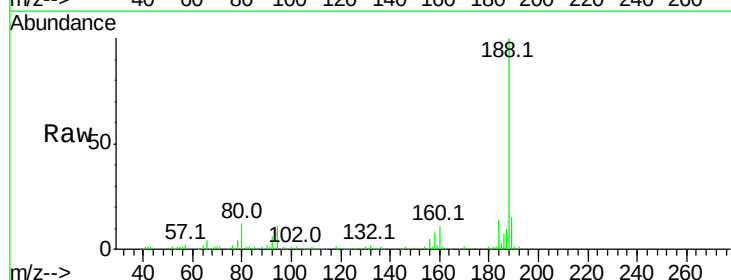
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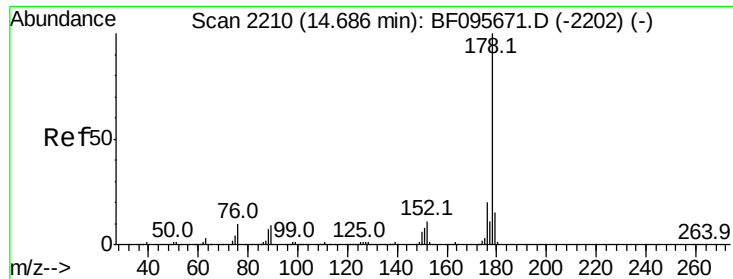
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.54 min Scan# 2220
Delta R.T. -0.02 min
Lab File: BF096006.D
Acq: 19 Jun 2017 15:07

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.8	9.4	14.2
80	11.9	10.2	15.2





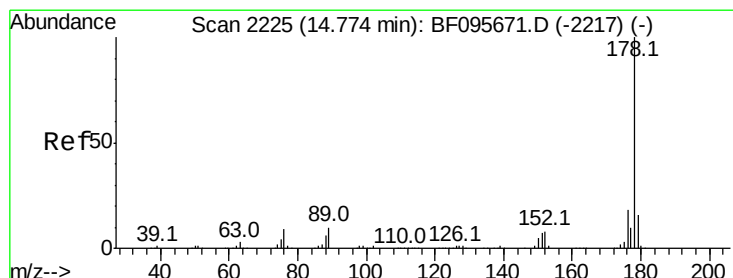
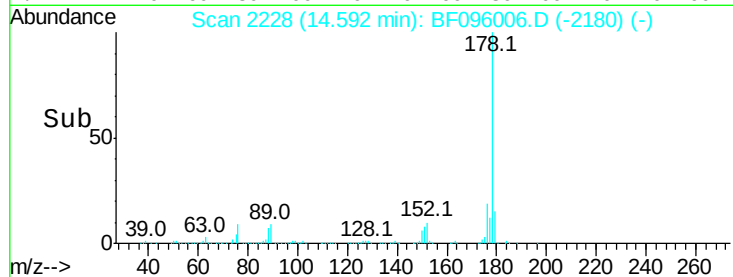
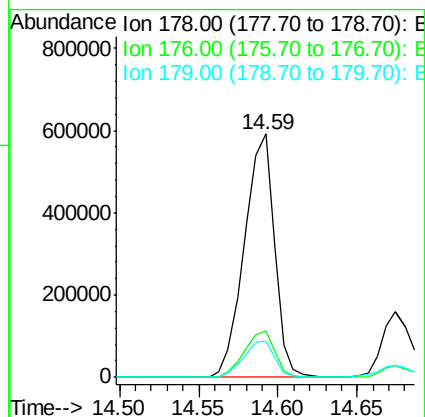
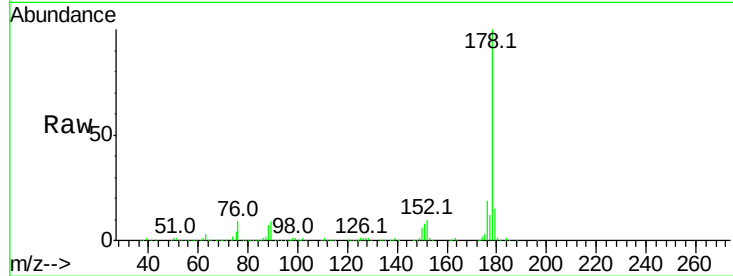
#70
Phenanthrene
Concen: 51.87 ng
RT: 14.59 min Scan# 2228
Delta R.T. -0.02 min
Lab File: BF096006.D
Acq: 19 Jun 2017 15:07

Instrument :
BNA_F
ClientSampleId :
CC-4-COMP

Tot Ion	Ratio	Resp	Lower	Upper
178	100	781718		
176	19.1		16.2	24.4
179	15.0		12.6	19.0

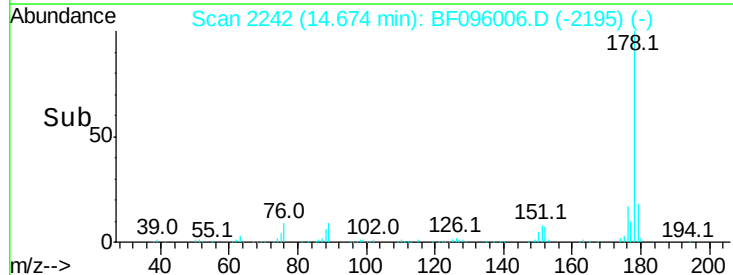
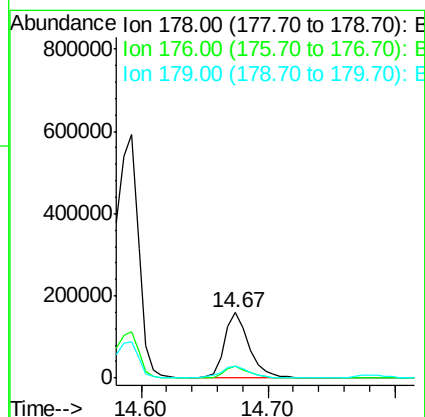
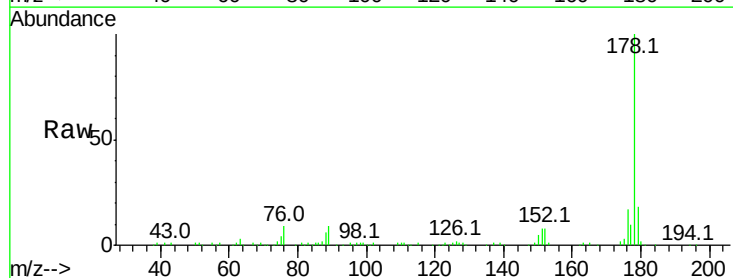
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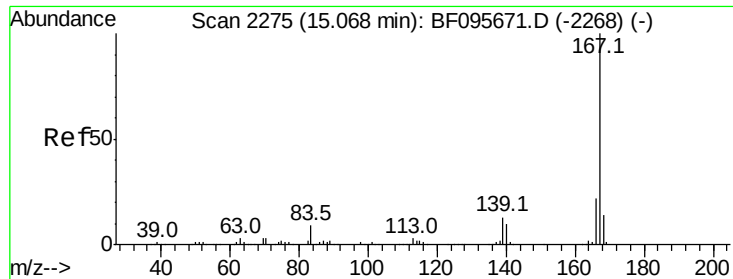
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#71
Anthracene
Concen: 13.63 ng
RT: 14.67 min Scan# 2242
Delta R.T. -0.02 min
Lab File: BF096006.D
Acq: 19 Jun 2017 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	214486		
176	17.3		15.8	23.8
179	18.2		12.7	19.1





#72

Carbazole

Concen: 7.45 ng

RT: 14.98 min Scan# 2294

Delta R.T. -0.02 min

Lab File: BF096006.D

Acq: 19 Jun 2017 15:07

Instrument :

BNA_F

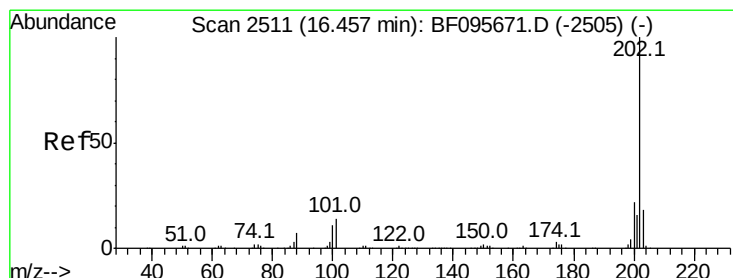
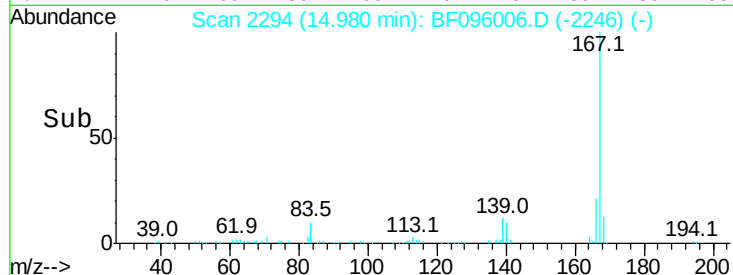
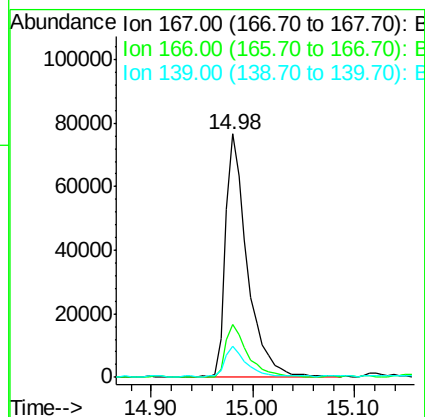
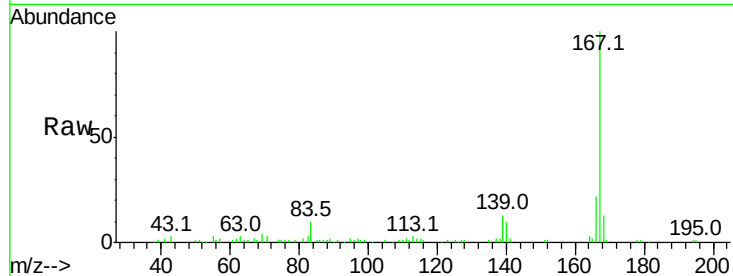
ClientSampled :

CC-4-COMP

Tot Ion:	167	Resp:	114275
Ion Ratio	Lower	Upper	
167	100		
166	21.9	18.1	27.1
139	12.9	11.7	17.5

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#74

Fluoranthene

Concen: 34.15 ng

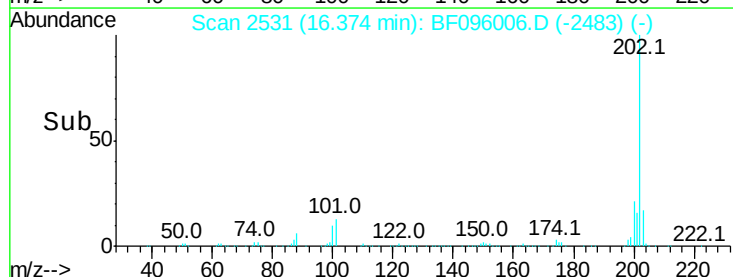
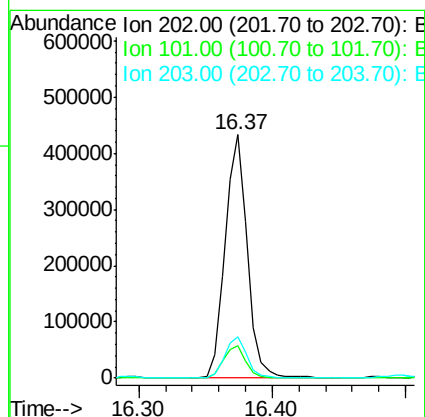
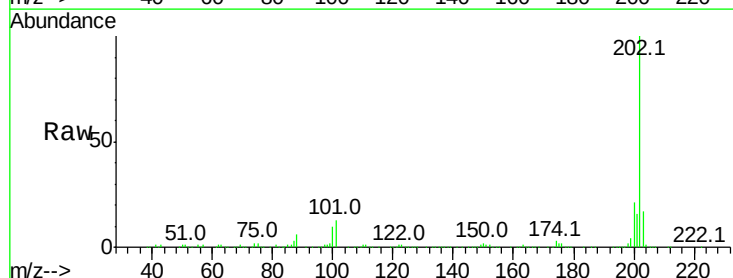
RT: 16.37 min Scan# 2531

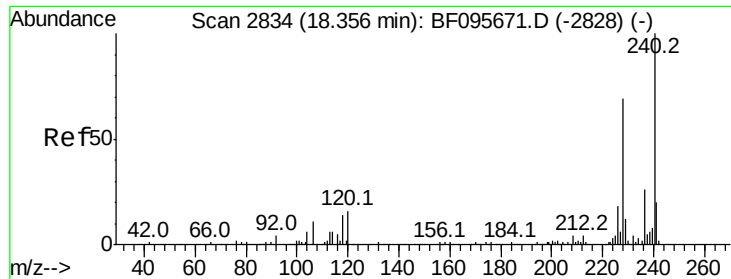
Delta R.T. -0.02 min

Lab File: BF096006.D

Acq: 19 Jun 2017 15:07

Tgt Ion:	202	Resp:	509452
Ion Ratio	Lower	Upper	
202	100		
101	13.4	0.0	33.2
203	17.2	0.0	38.1





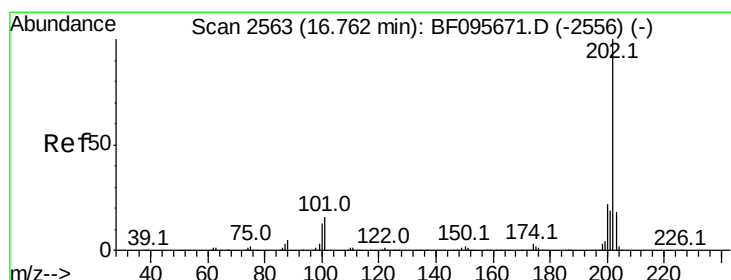
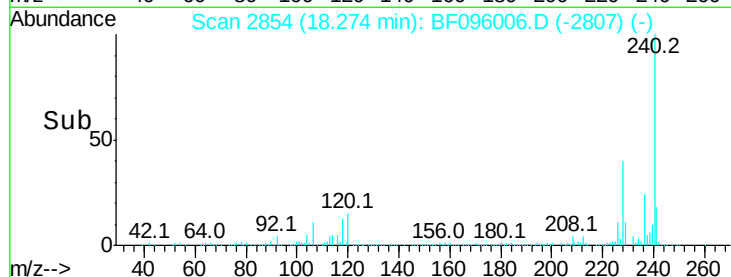
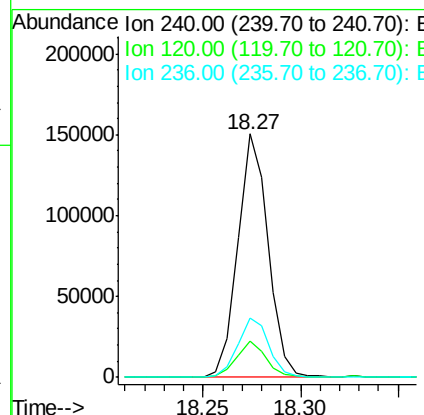
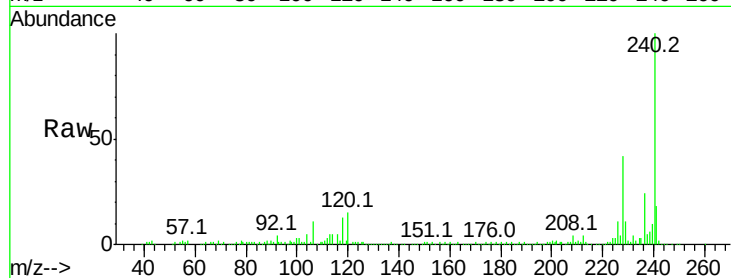
#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.27 min Scan# 2854
Delta R.T. -0.02 min
Lab File: BF096006.D
Acq: 19 Jun 2017 15:07

Instrument :
BNA_F
ClientSampleId :
CC-4-COMP

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.8	5.8	8.8#
236	24.5	20.5	30.7

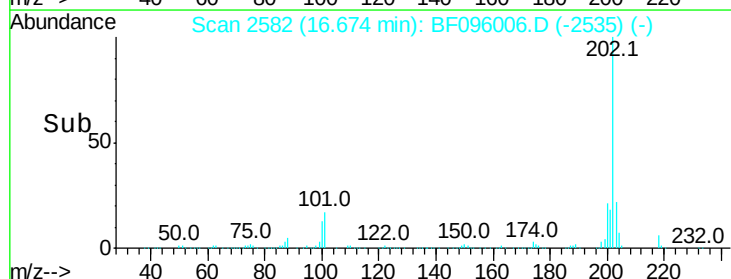
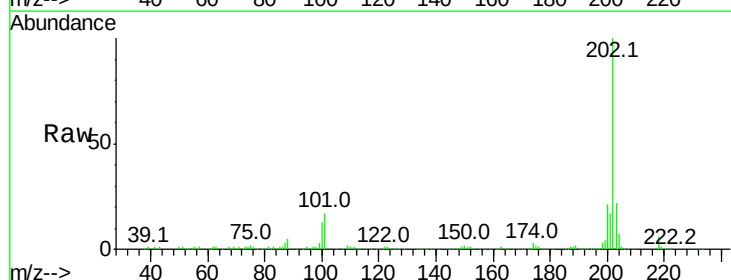
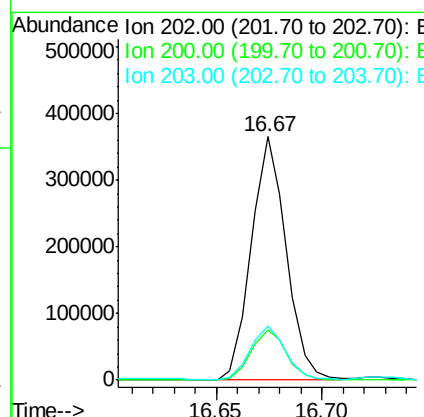
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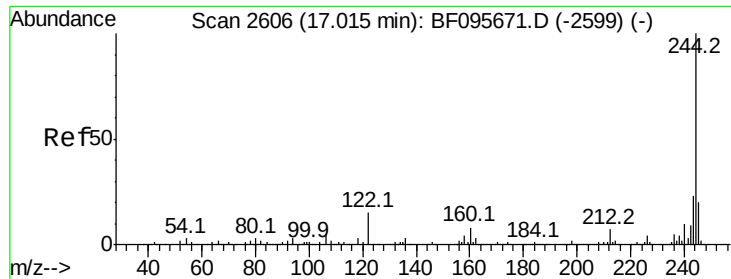
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#77
Pyrene
Concen: 34.46 ng
RT: 16.67 min Scan# 2582
Delta R.T. -0.02 min
Lab File: BF096006.D
Acq: 19 Jun 2017 15:07

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.6	26.4
203	22.0	14.4	21.6#





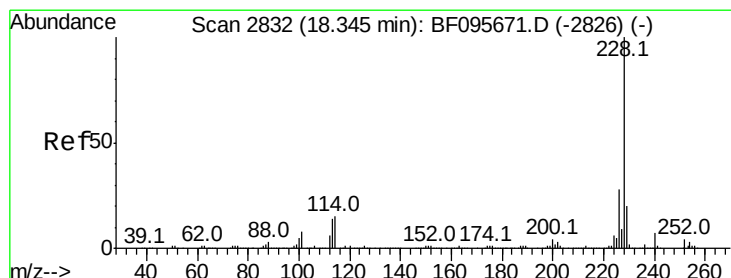
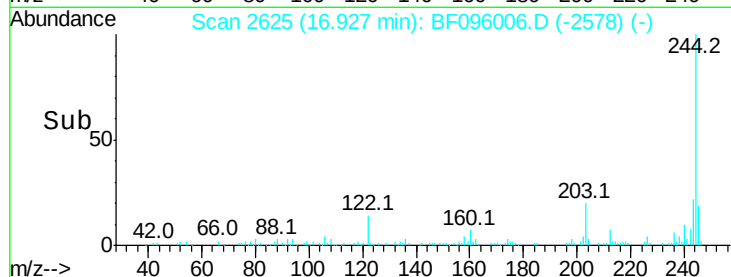
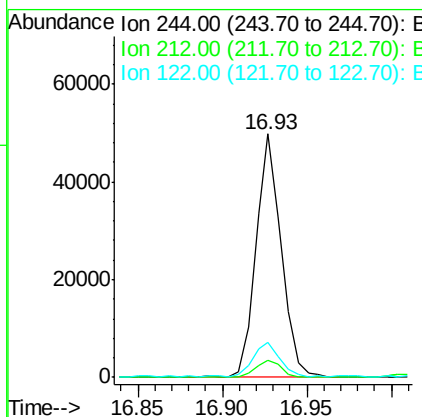
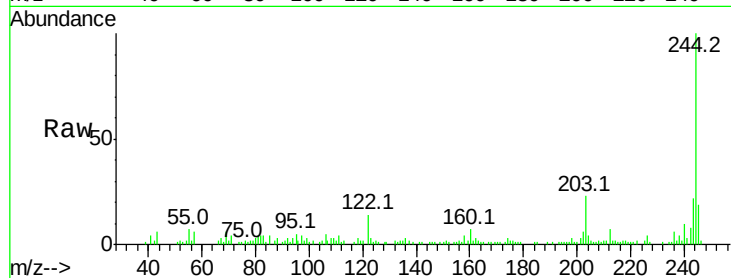
#78
 Terphenyl-d14
 Concen: 7.88 ng
 RT: 16.93 min Scan# 2625
 Delta R.T. -0.02 min
 Lab File: BF096006.D
 Acq: 19 Jun 2017 15:07

Instrument :
 BNA_F
 ClientSampleId :
 CC-4-COMP

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	14.3	10.3	15.5

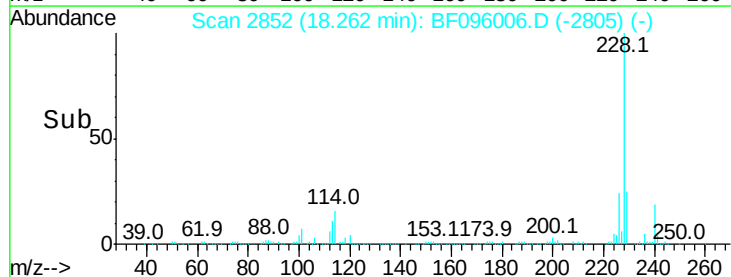
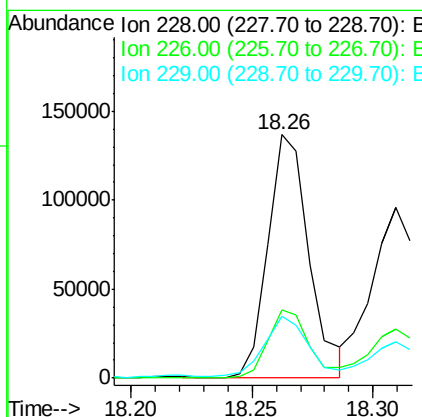
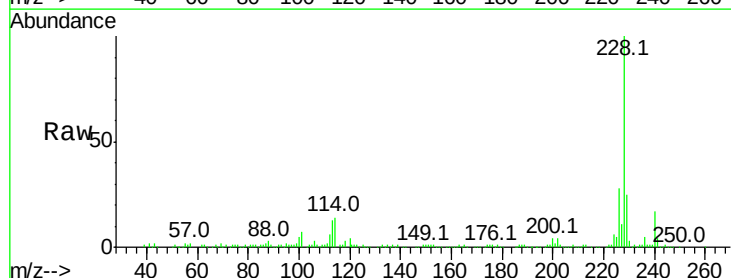
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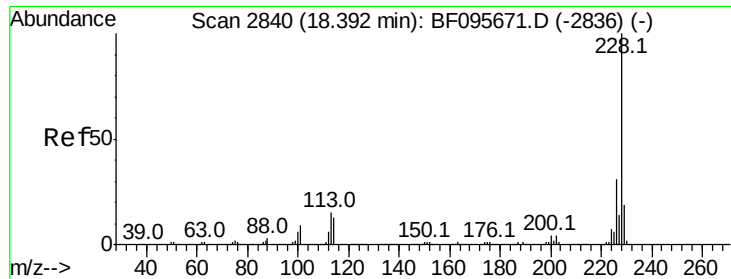
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#80
 Benzo(a)anthracene
 Concen: 17.27 ng m
 RT: 18.26 min Scan# 2852
 Delta R.T. -0.02 min
 Lab File: BF096006.D
 Acq: 19 Jun 2017 15:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.6	33.8
229	25.4	16.3	24.5





#82

Chrysene

Concen: 14.38 ng

RT: 18.31 min Scan# 2860

Delta R.T. -0.02 min

Lab File: BF096006.D

Acq: 19 Jun 2017 15:07

Instrument :

BNA_F

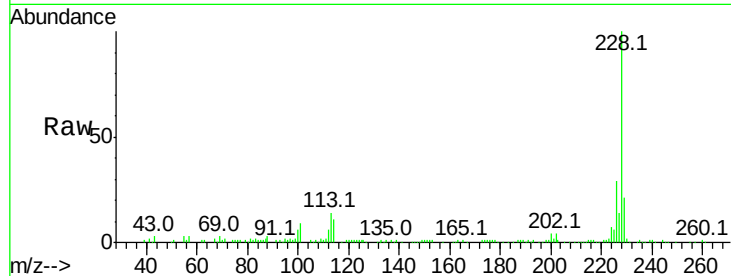
ClientSampleId :

CC-4-COMP

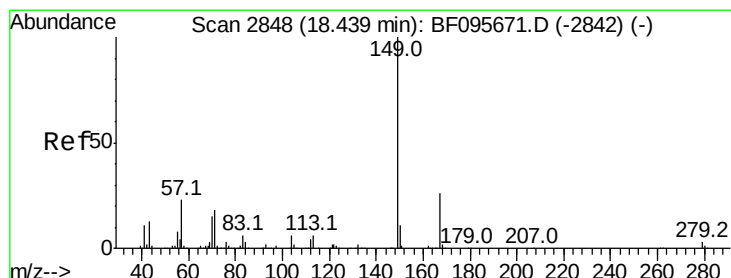
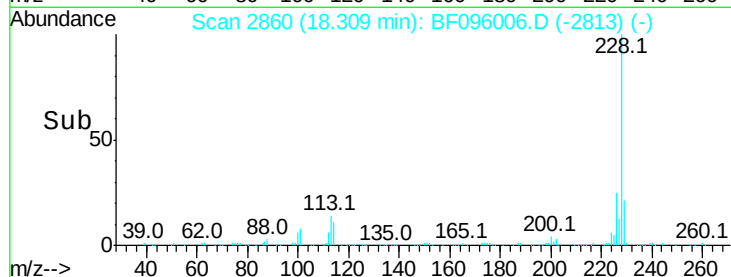
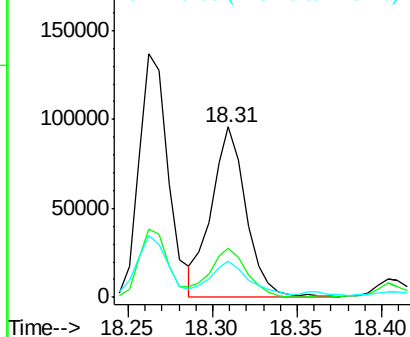
Tot Ion:	228	Resp:	135627
Ion Ratio	Lower	Upper	
228	100		
226	28.8	24.9	37.3
229	21.1	15.8	23.6

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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



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.61 ng

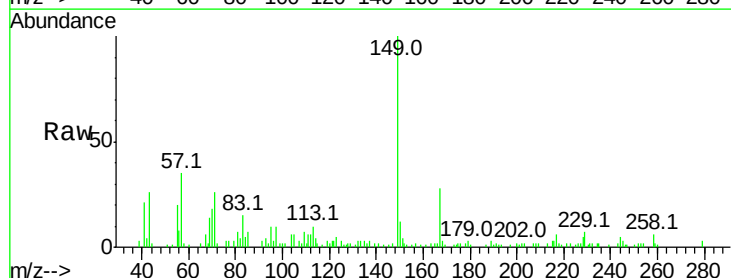
RT: 18.35 min Scan# 2867

Delta R.T. -0.02 min

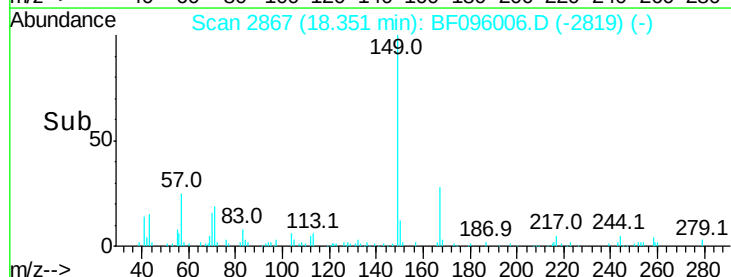
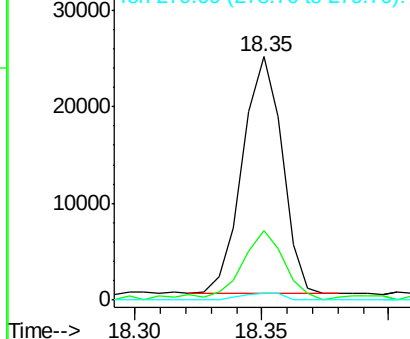
Lab File: BF096006.D

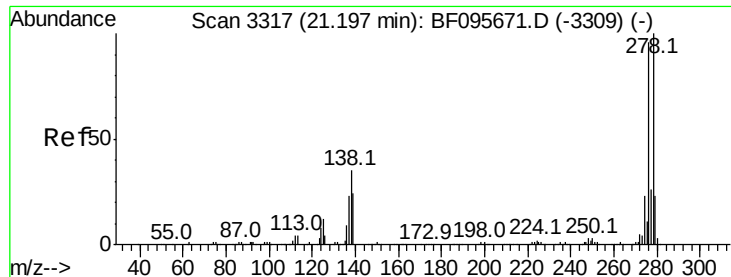
Acq: 19 Jun 2017 15:07

Tgt Ion:	149	Resp:	26926
Ion Ratio	Lower	Upper	
149	100		
167	28.4	21.0	31.4
279	3.0	1.9	2.9#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





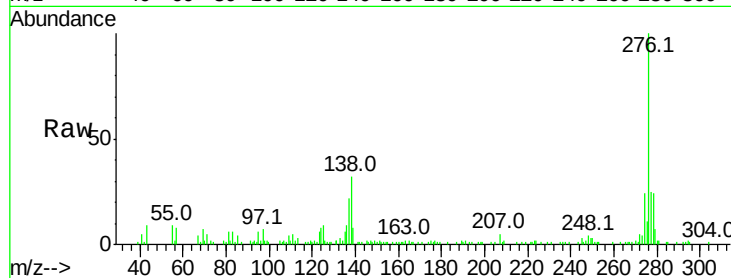
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.23 ng
 RT: 21.12 min Scan# 3337
 Delta R.T. -0.01 min
 Lab File: BF096006.D
 Acq: 19 Jun 2017 15:07

Instrument :
 BNA_F
 ClientSampleId :
 CC-4-COMP

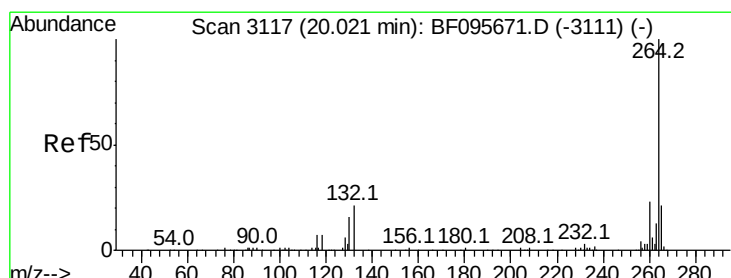
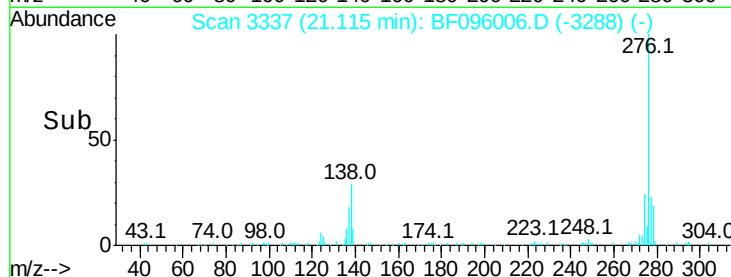
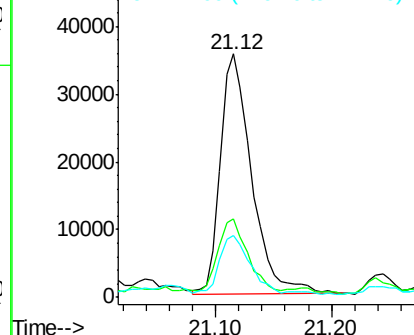
Tot Ion	Ratio	Lower	Upper
276	100		
138	30.6	27.8	41.6
277	22.8	20.2	30.4

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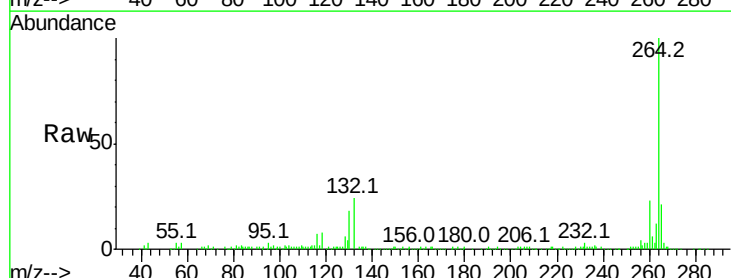


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

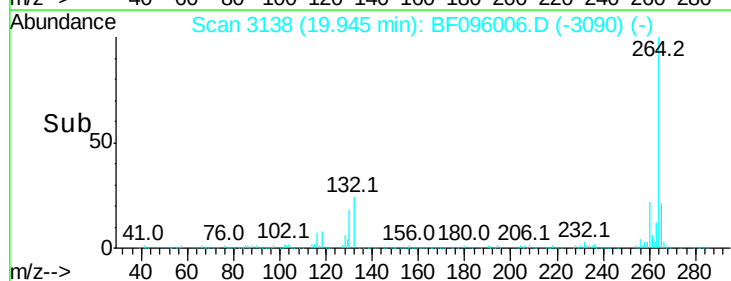
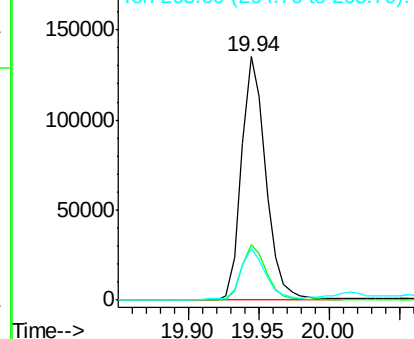


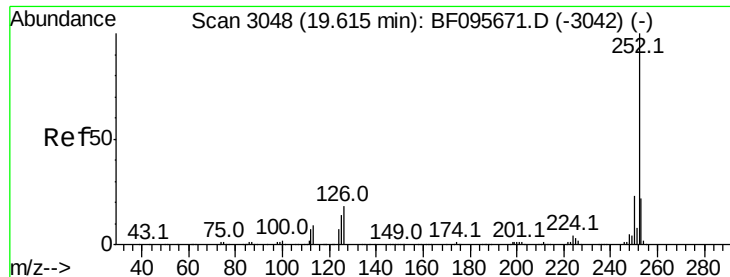
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 19.94 min Scan# 3138
 Delta R.T. -0.02 min
 Lab File: BF096006.D
 Acq: 19 Jun 2017 15:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.5	29.3
265	21.3	17.2	25.8



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





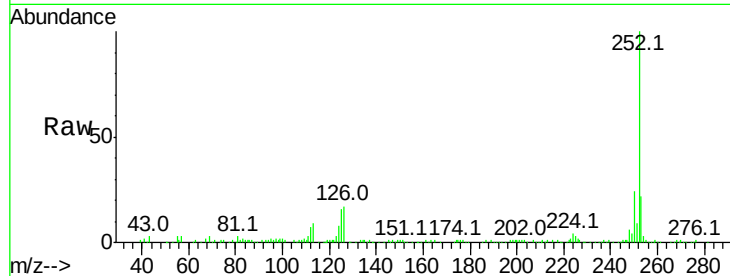
#87
Benzo(b)fluoranthene
Concen: 14.76 ng m
RT: 19.54 min Scan# 3070
Delta R.T. -0.01 min
Lab File: BF096006.D
Acq: 19 Jun 2017 15:07

Instrument :
BNA_F
ClientSampleId :
CC-4-COMP

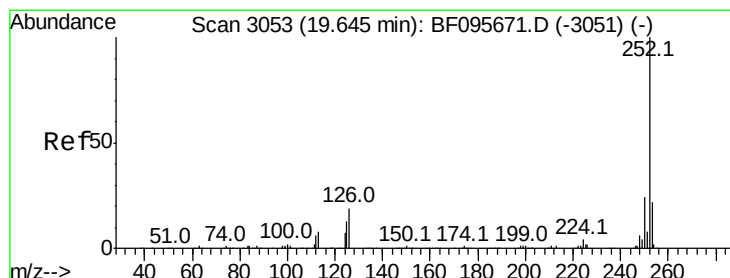
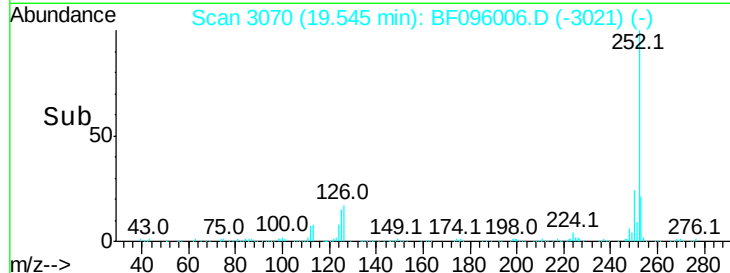
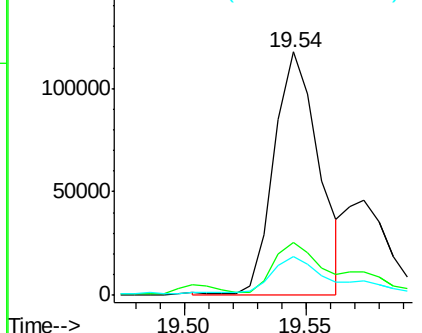
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.1	27.1
125	15.8	9.8	14.8

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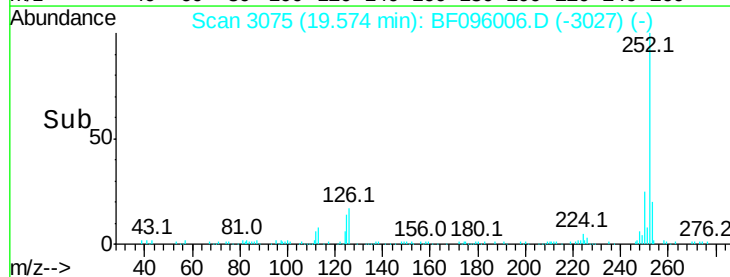
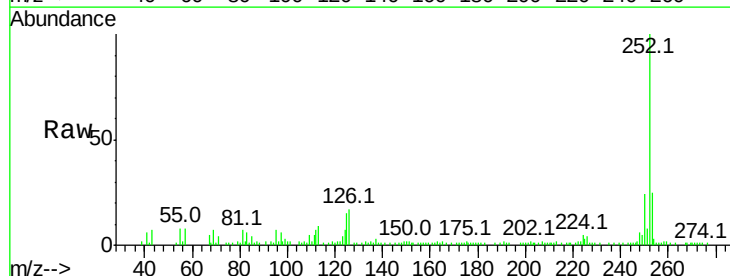
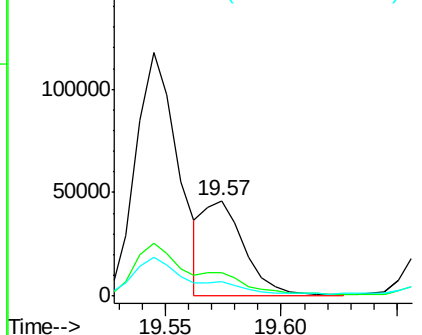
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

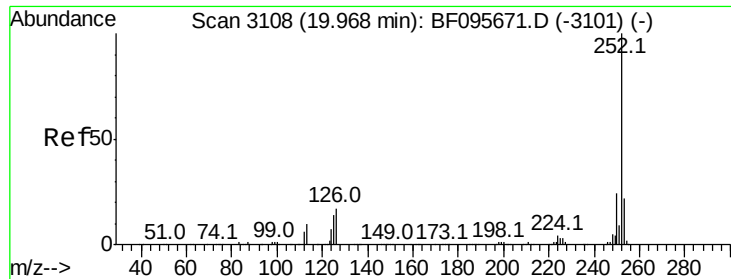


#88
Benzo(k)fluoranthene
Concen: 5.89 ng m
RT: 19.57 min Scan# 3075
Delta R.T. -0.02 min
Lab File: BF096006.D
Acq: 19 Jun 2017 15:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.4	27.6
125	15.3	13.1	19.7

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





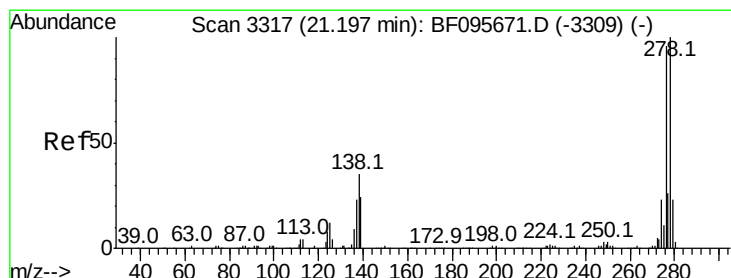
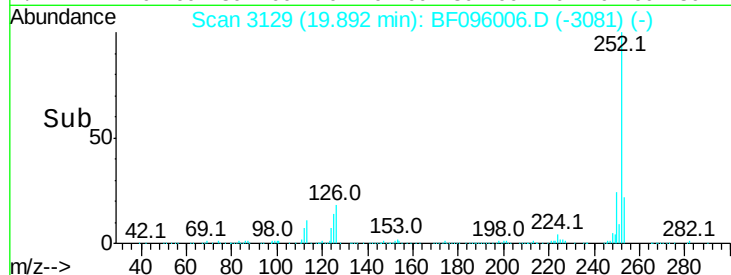
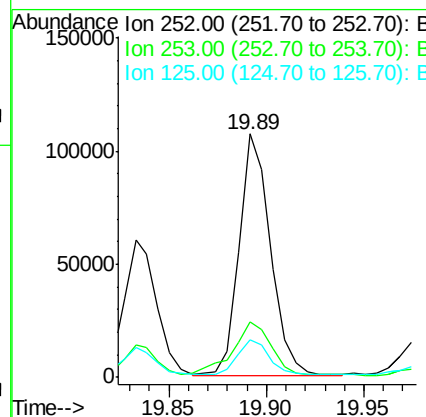
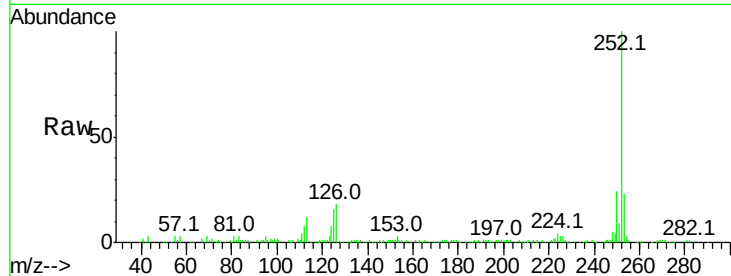
#89
Benzo(a)pyrene
Concen: 12.75 ng
RT: 19.89 min Scan# 3129
Delta R.T. -0.02 min
Lab File: BF096006.D
Acq: 19 Jun 2017 15:07

Instrument :
BNA_F
ClientSampleId :
CC-4-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	15.6	11.0	16.4

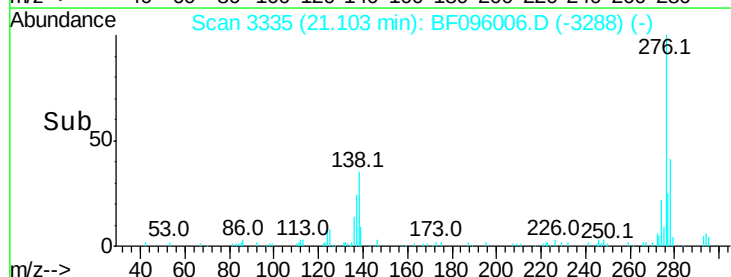
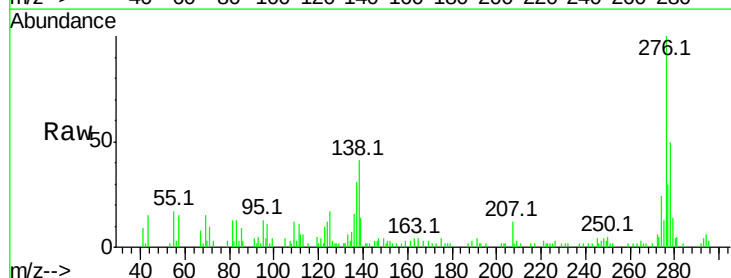
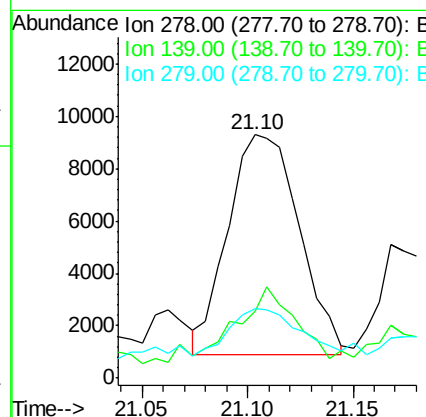
Manual Integrations
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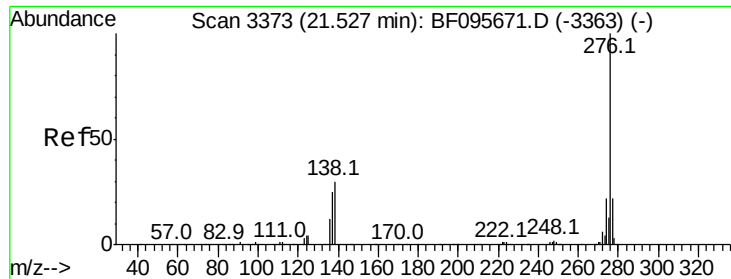
mohammad
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#90
Dibenzo(a,h)anthracene
Concen: 2.48 ng m
RT: 21.10 min Scan# 3335
Delta R.T. -0.02 min
Lab File: BF096006.D
Acq: 19 Jun 2017 15:07

Tgt Ion	Ratio	Lower	Upper
278	100		
139	27.5	16.6	24.8#
279	28.5	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 7.31 ng
 RT: 21.44 min Scan# 3392
 Delta R.T. -0.01 min
 Lab File: BF096006.D
 Acq: 19 Jun 2017 15:07

Instrument :
 BNA_F
 ClientSampleId :
 CC-4-COMP

Tot Ion:	276	Resp:	59511
Ion Ratio		Lower	Upper
276	100		
277	24.1	18.6	28.0
138	30.2	25.4	38.0

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