

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061917\
 Data File : BF096005.D
 Acq On : 19 Jun 2017 14:35
 Operator : SJ/MA
 Sample : I3683-03 10X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CC-5B

Manual Integrations
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Quant Time: Jun 19 17:08:16 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	94939	20.00	ng	-0.02
21) Naphthalene-d8	9.33	136	402717	20.00	ng	-0.02
38) Acenaphthene-d10	12.16	164	180636	20.00	ng	-0.02
63) Phenanthrene-d10	14.54	188	301212	20.00	ng	-0.02
75) Chrysene-d12	18.27	240	193391	20.00	ng	-0.02
86) Perylene-d12	19.94	264	176857	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	46251m	7.76	ng	0.05
7) Phenol-d6	6.95	99	61530m	8.63	ng	0.04
23) Nitrobenzene-d5	8.27	82	37940	5.85	ng	0.02
41) 2,4,6-Tribromophenol	13.47	330	13221	8.27	ng	0.00
44) 2-Fluorobiphenyl	11.12	172	97752	7.53	ng	-0.02
78) Terphenyl-d14	16.93	244	70032	8.99	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	9.37	128	213000	10.54	ng	99
37) 2-Methylnaphthalene	10.51	142	47262	3.46	ng	97
51) Acenaphthene	12.21	154	48769	4.25	ng	97
54) Dibenzofuran	12.50	168	90134	5.57	ng	98
57) Fluorene	13.05	166	101068	7.18	ng	98
70) Phenanthrene	14.59	178	647830	37.28	ng	99
71) Anthracene	14.67	178	196008m	10.80	ng	
72) Carbazole	14.98	167	106051	6.00	ng	95
74) Fluoranthene	16.37	202	523207	30.42	ng	99
77) Pyrene	16.67	202	394430	27.33	ng	# 95
80) Benzo(a)anthracene	18.26	228	159289m	14.17	ng	
82) Chrysene	18.31	228	130489	11.61	ng	99
85) Indeno(1,2,3-cd)pyrene	21.11	276	62910	6.54	ng	96
87) Benzo(b)fluoranthene	19.54	252	138972m	12.55	ng	
88) Benzo(k)fluoranthene	19.57	252	57287m	5.41	ng	
89) Benzo(a)pyrene	19.89	252	104941	10.31	ng	98
91) Benzo(a,h,i)perylene	21.44	276	62450	7.09	ng	97

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

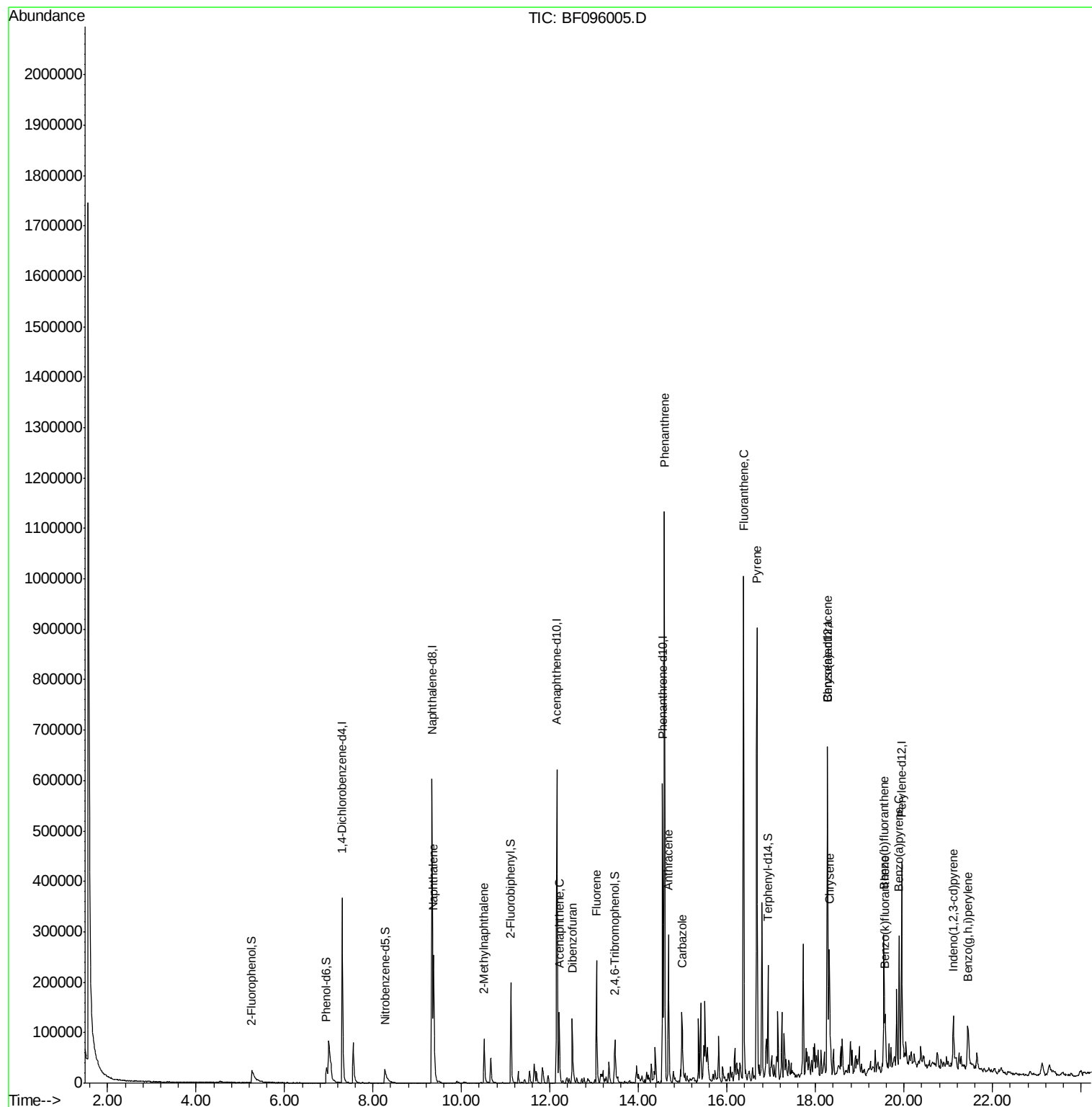
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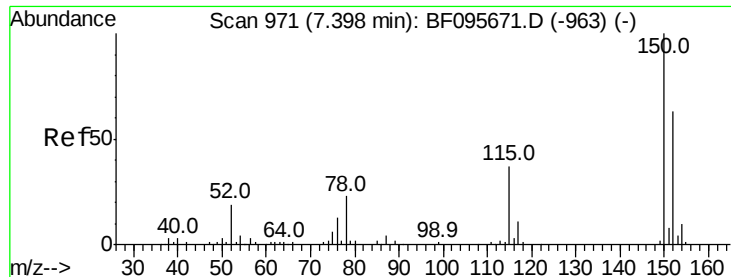
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#1

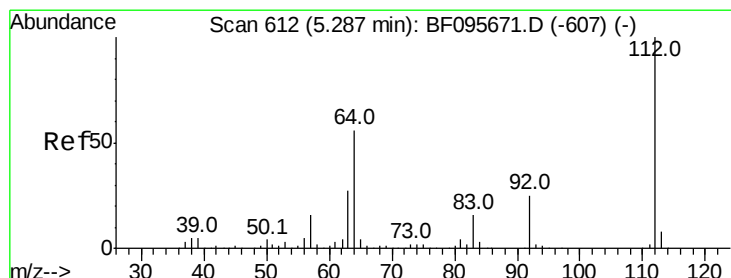
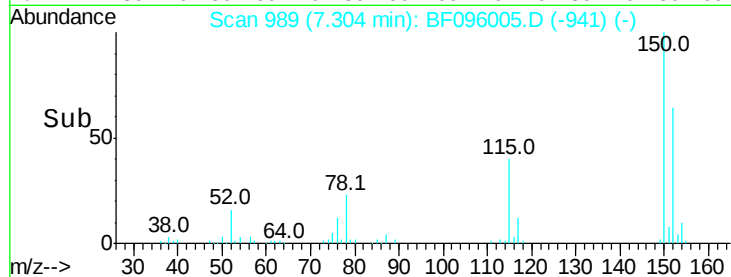
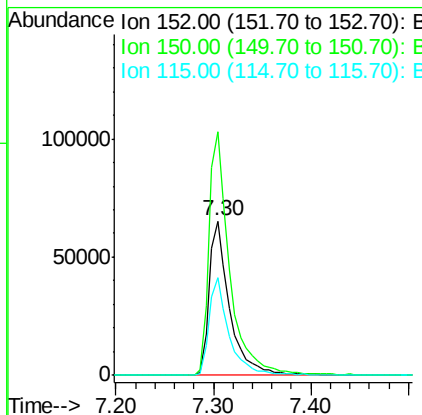
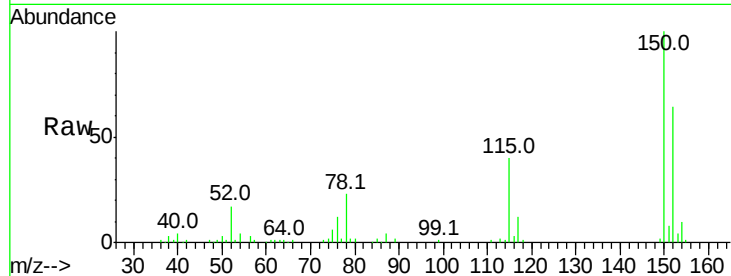
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.30 min Scan# 989
 Delta R.T. -0.02 min
 Lab File: BF096005.D
 Acq: 19 Jun 2017 14:35

Instrument :
 BNA_F
 ClientSampled :
 CC-5B

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	126.2	189.2
115	62.8	52.2	78.2

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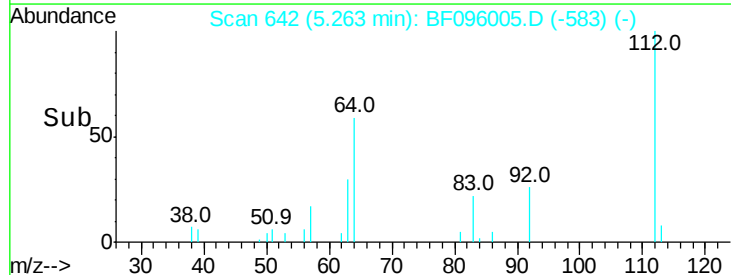
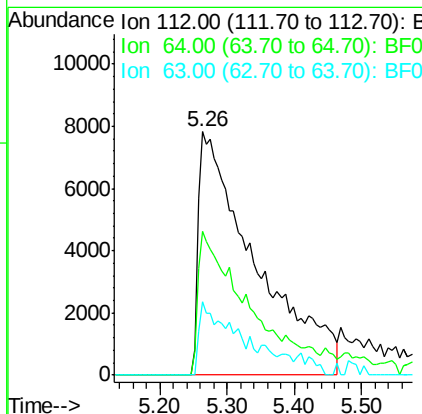
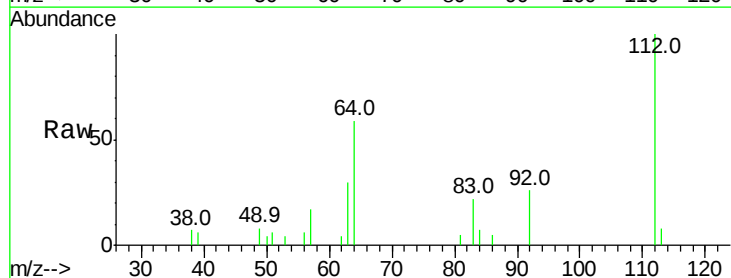
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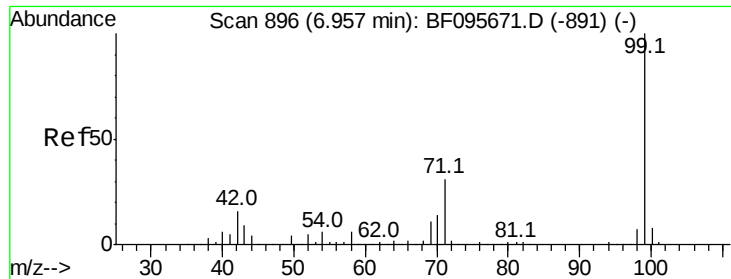


#5

2-Fluorophenol
 Concen: 7.76 ng m
 RT: 5.26 min Scan# 642
 Delta R.T. 0.05 min
 Lab File: BF096005.D
 Acq: 19 Jun 2017 14:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.8	46.0	69.0
63	30.4	23.4	35.0





#7

Phenol-d6

Concen: 8.63 ng/mL

RT: 6.95 min Scan# 928

Delta R.T. 0.04 min

Lab File: BF096005.D

Acq: 19 Jun 2017 14:35

Instrument :

BNA_F

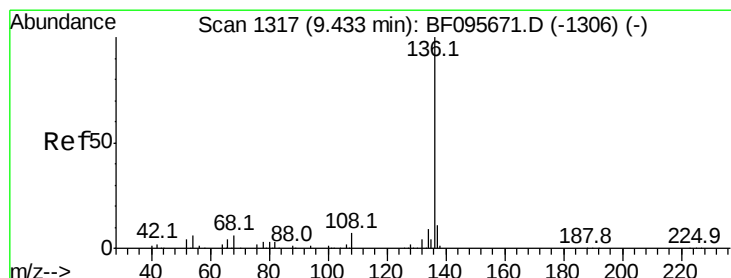
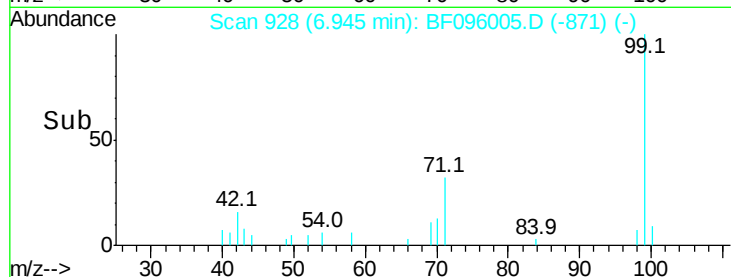
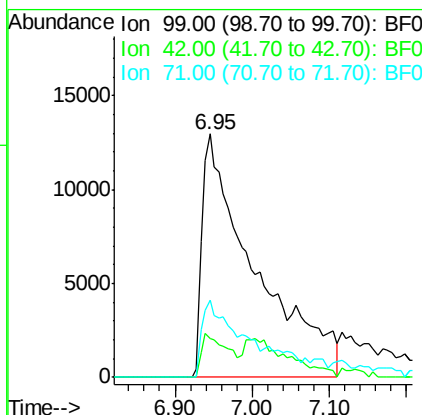
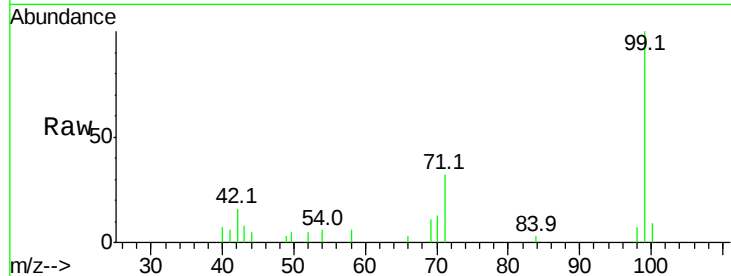
ClientSampleId :

CC-5B

Tot Ion:	99	Resp:	61530
Ion Ratio	Lower	Upper	
99	100		
42	15.9	13.5	20.3
71	31.6	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

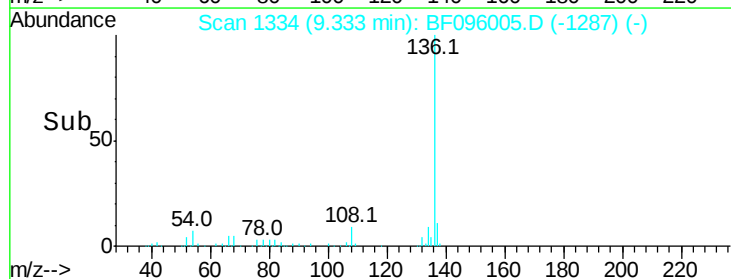
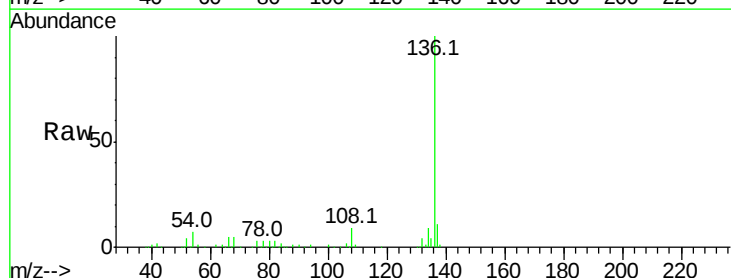
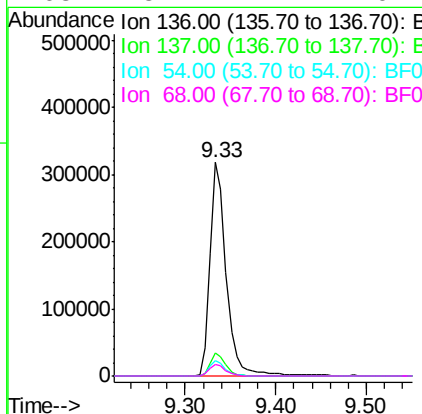
RT: 9.33 min Scan# 1334

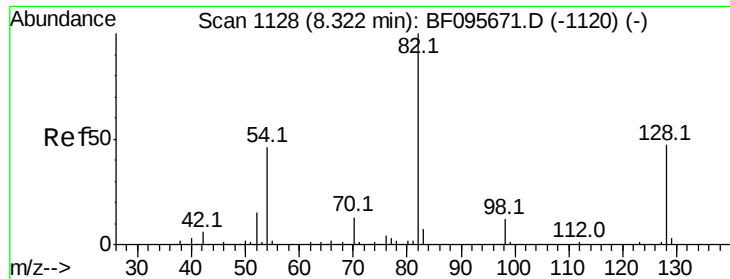
Delta R.T. -0.02 min

Lab File: BF096005.D

Acq: 19 Jun 2017 14:35

Tgt Ion:	136	Resp:	402717
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.5	12.7
54	7.0	4.9	7.3
68	5.4	4.1	6.1





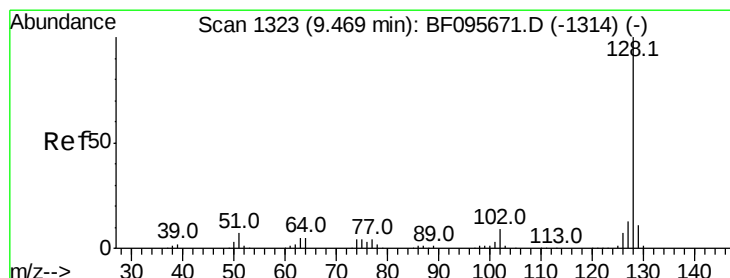
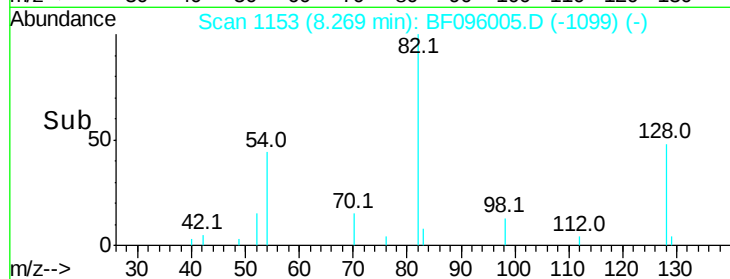
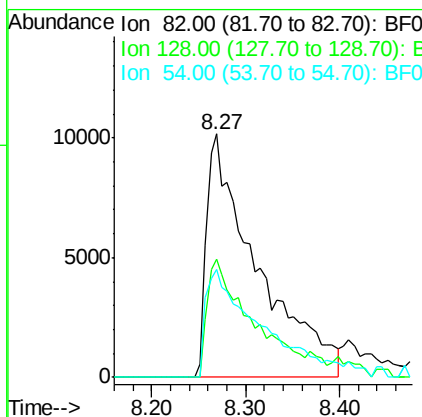
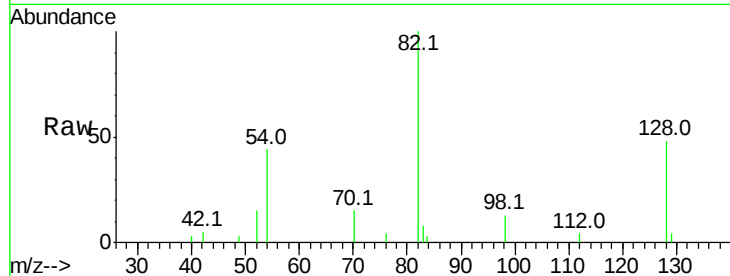
#23
Nitrobenzene-d5
Concen: 5.85 ng
RT: 8.27 min Scan# 1153
Delta R.T. 0.02 min
Lab File: BF096005.D
Acq: 19 Jun 2017 14:35

Instrument :
BNA_F
ClientSampled :
CC-5B

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.3	34.0	51.0
54	44.1	42.2	63.2

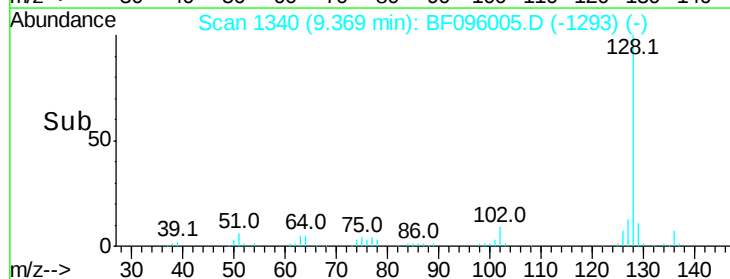
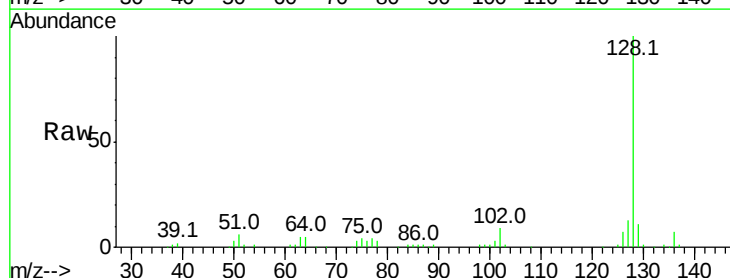
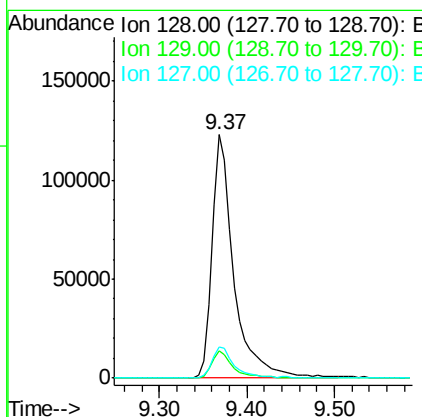
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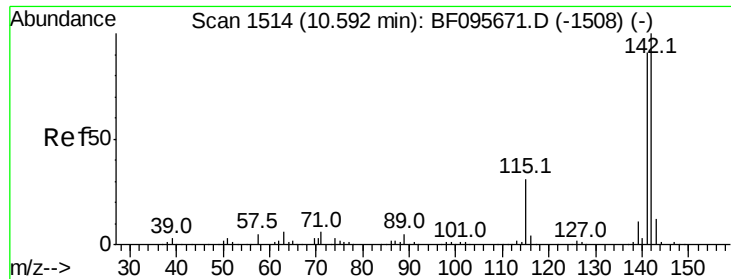
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#31
Naphthalene
Concen: 10.54 ng
RT: 9.37 min Scan# 1340
Delta R.T. -0.02 min
Lab File: BF096005.D
Acq: 19 Jun 2017 14:35

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.6
127	13.0	10.8	16.2





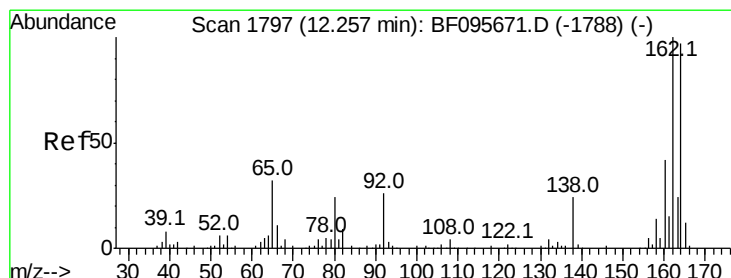
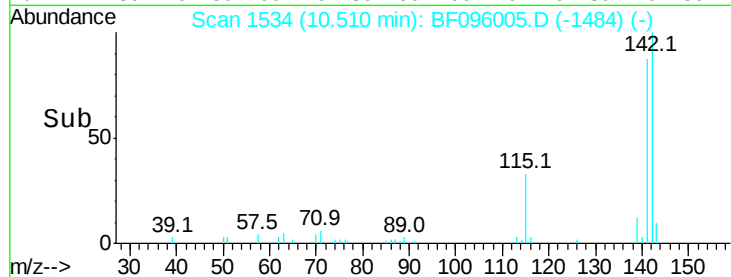
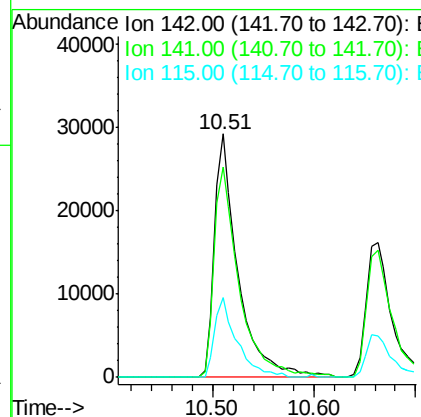
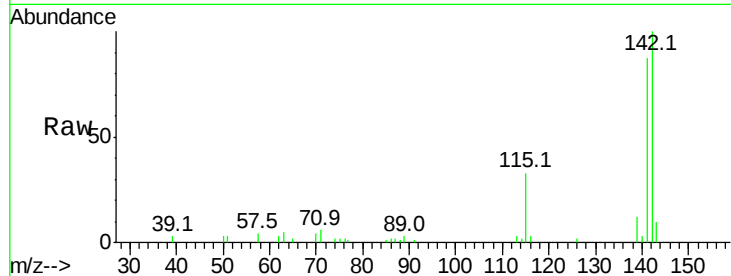
#37
 2-Methylnaphthalene
 Concen: 3.46 ng
 RT: 10.51 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: BF096005.D
 Acq: 19 Jun 2017 14:35

Instrument :
 BNA_F
 ClientSampled :
 CC-5B

Tot Ion:	142	Resp:	47262
Ion Ratio	Lower	Upper	
142	100		
141	86.5	71.3	106.9
115	32.8	27.1	40.7

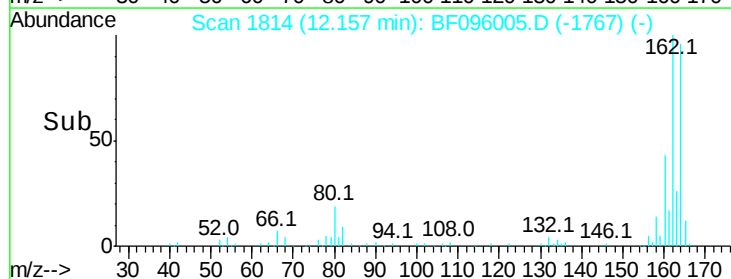
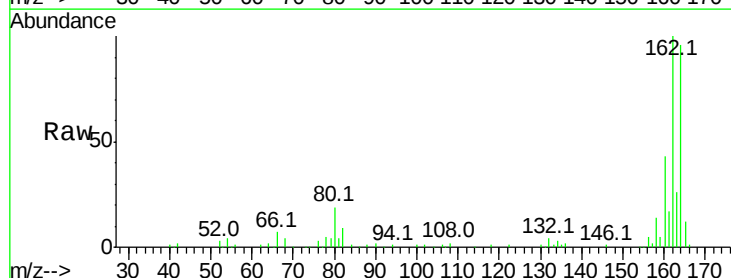
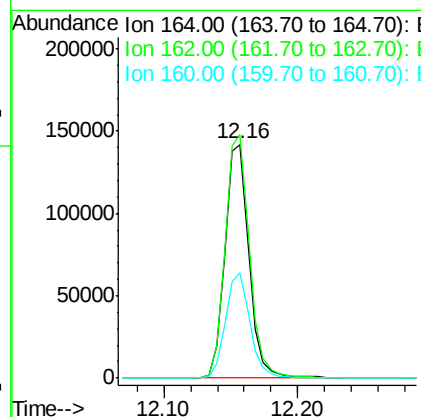
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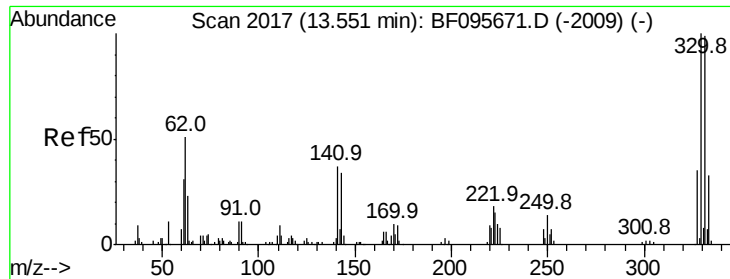
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.16 min Scan# 1814
 Delta R.T. -0.02 min
 Lab File: BF096005.D
 Acq: 19 Jun 2017 14:35

Tgt Ion:	164	Resp:	180636
Ion Ratio	Lower	Upper	
164	100		
162	104.2	82.6	123.8
160	45.2	36.2	54.2





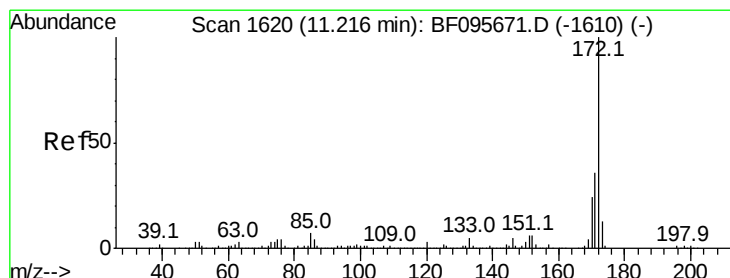
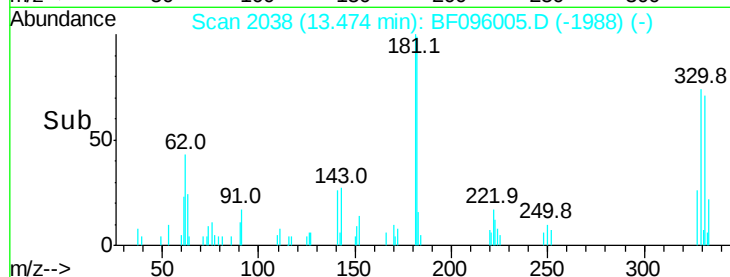
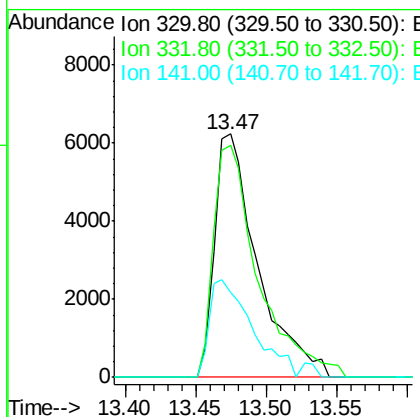
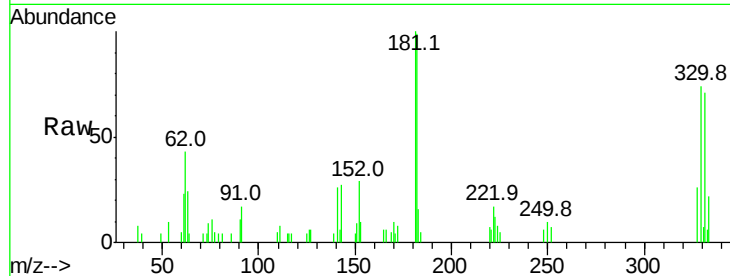
#41
 2,4,6-Tribromophenol
 Concen: 8.27 ng
 RT: 13.47 min Scan# 2038
 Delta R.T. -0.01 min
 Lab File: BF096005.D
 Acq: 19 Jun 2017 14:35

Instrument :
 BNA_F
 ClientSampleId :
 CC-5B

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.2	76.6	115.0
141	39.7	31.4	47.2

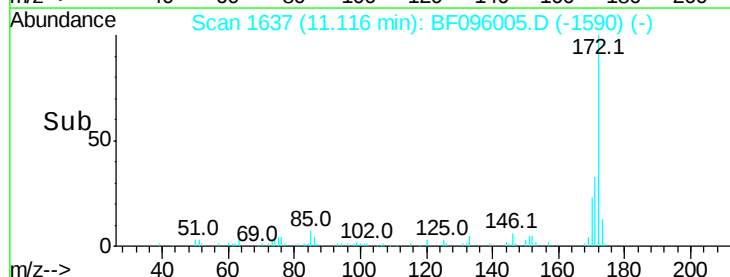
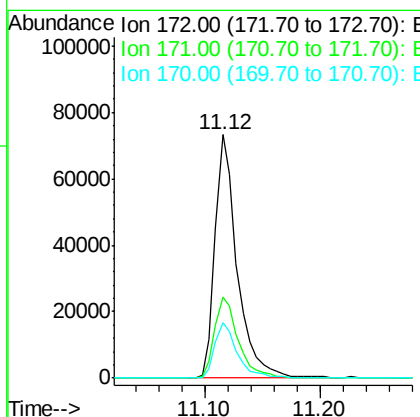
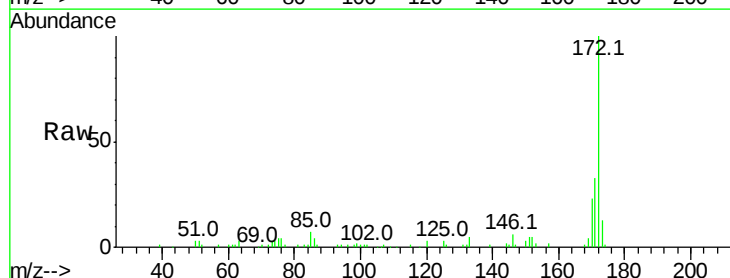
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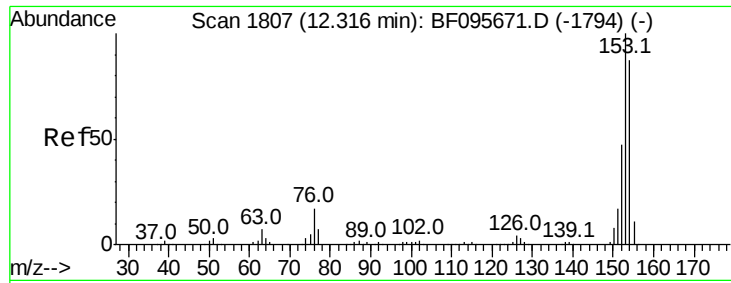
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#44
 2-Fluorobiphenyl
 Concen: 7.53 ng
 RT: 11.12 min Scan# 1637
 Delta R.T. -0.02 min
 Lab File: BF096005.D
 Acq: 19 Jun 2017 14:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.5	29.6	44.4
170	22.6	19.8	29.8





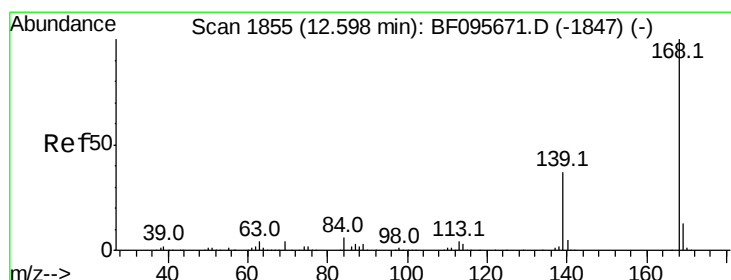
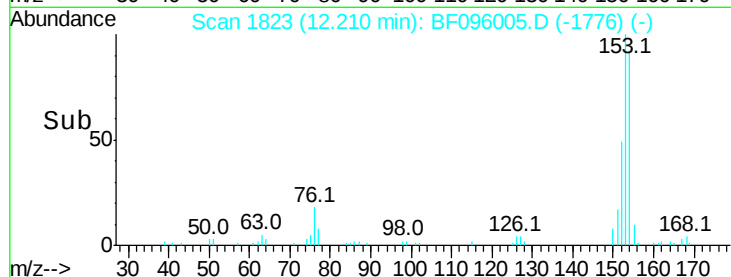
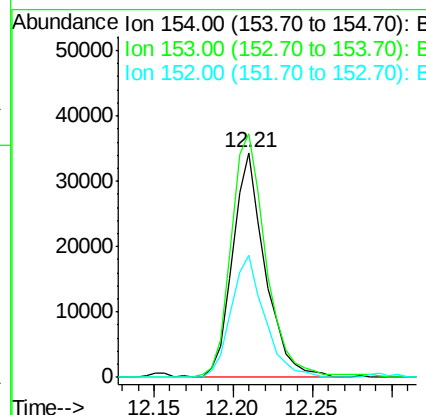
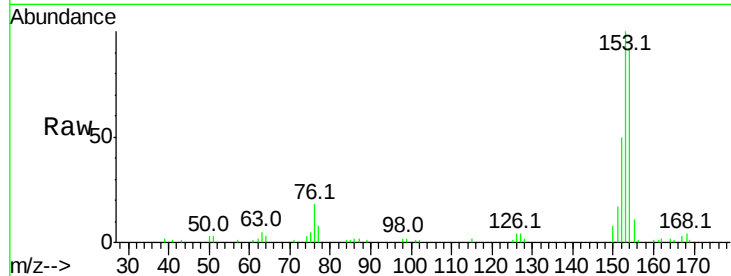
#51
Acenaphthene
Concen: 4.25 ng
RT: 12.21 min Scan# 1823
Delta R.T. -0.02 min
Lab File: BF096005.D
Acq: 19 Jun 2017 14:35

Instrument :
BNA_F
ClientSampled :
CC-5B

Tot Ion	Ratio	Lower	Upper
154	100		
153	108.3	90.5	135.7
152	54.0	43.6	65.4

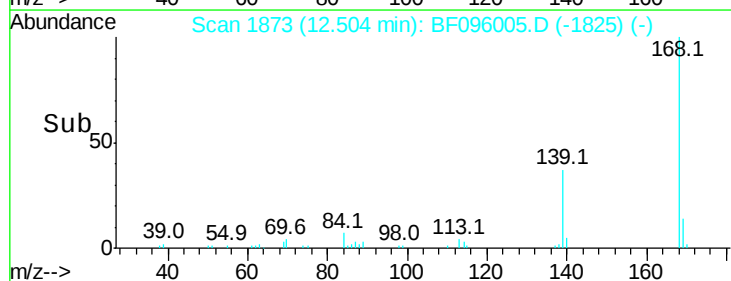
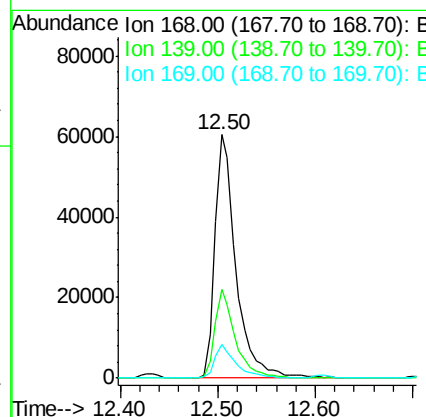
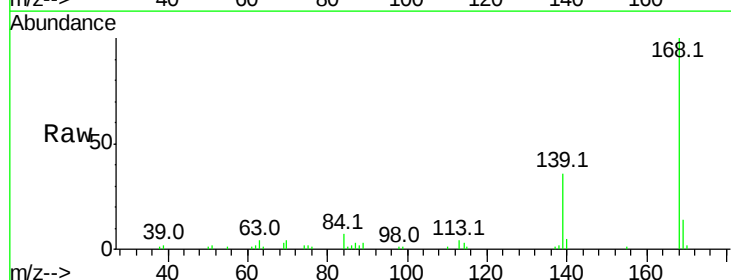
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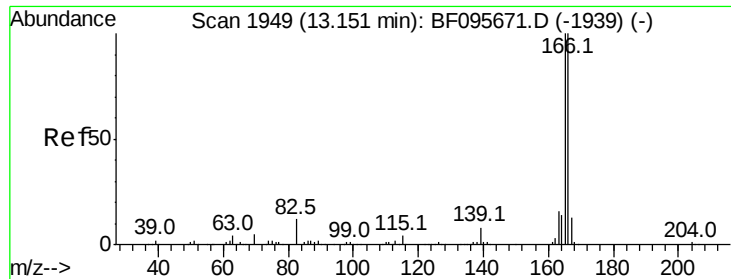
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#54
Dibenzofuran
Concen: 5.57 ng
RT: 12.50 min Scan# 1873
Delta R.T. -0.02 min
Lab File: BF096005.D
Acq: 19 Jun 2017 14:35

Tgt Ion	Ratio	Lower	Upper
168	100		
139	36.4	30.6	45.8
169	13.6	10.8	16.2





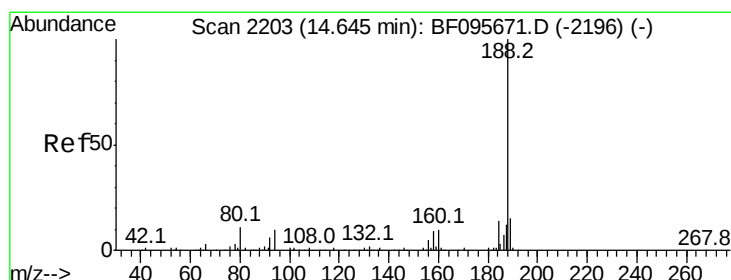
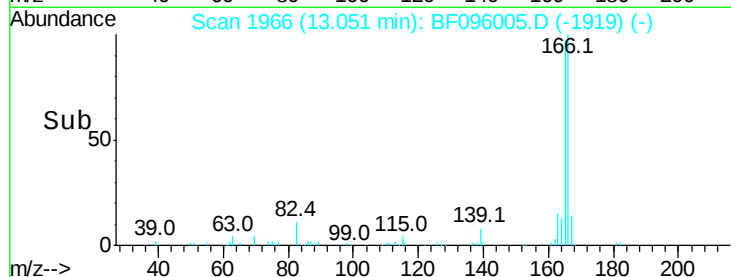
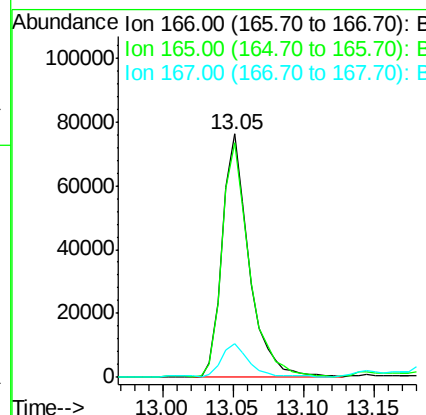
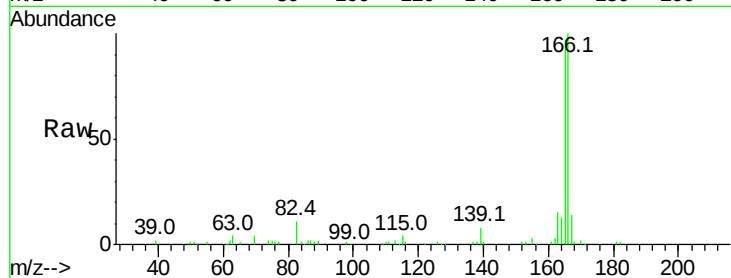
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Fluorene
 Concen: 7.18 ng
 RT: 13.05 min Scan# 1966
 Delta R.T. -0.02 min
 Lab File: BF096005.D
 Acq: 19 Jun 2017 14:35

Instrument :
 BNA_F
 ClientSampleId :
 CC-5B

Tot Ion	Ratio	Lower	Upper
166	100		
165	96.6	78.8	118.2
167	14.1	10.6	16.0

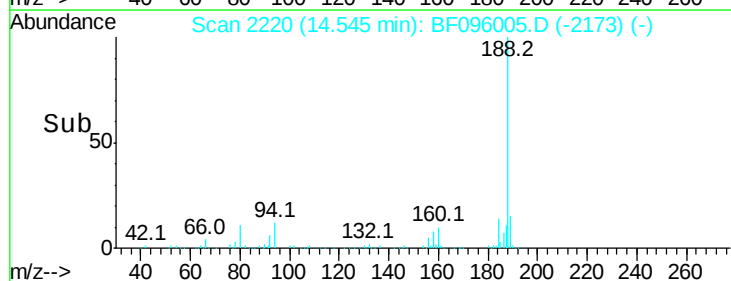
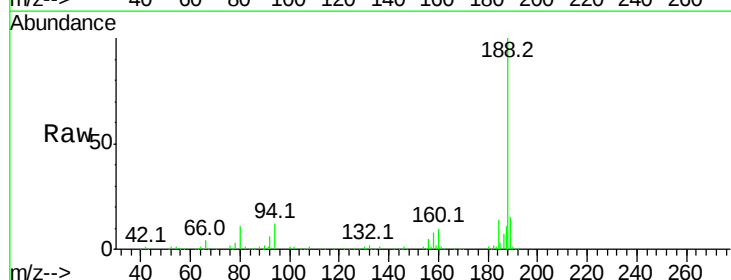
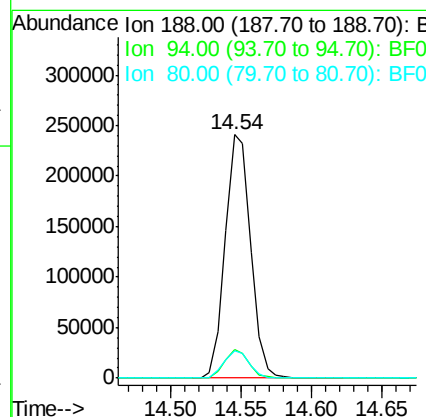
Manual Integrations
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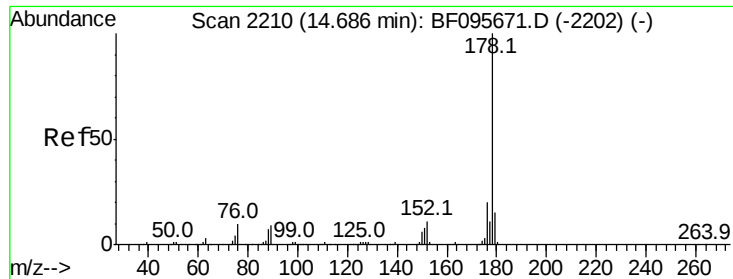
mohammad
 6/20/2017 4:28:41 PM



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.54 min Scan# 2220
 Delta R.T. -0.02 min
 Lab File: BF096005.D
 Acq: 19 Jun 2017 14:35

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.7	9.4	14.2
80	11.5	10.2	15.2





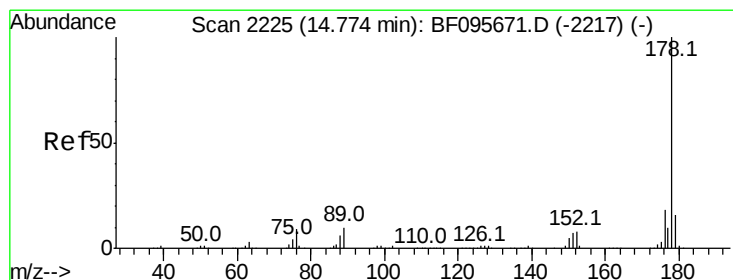
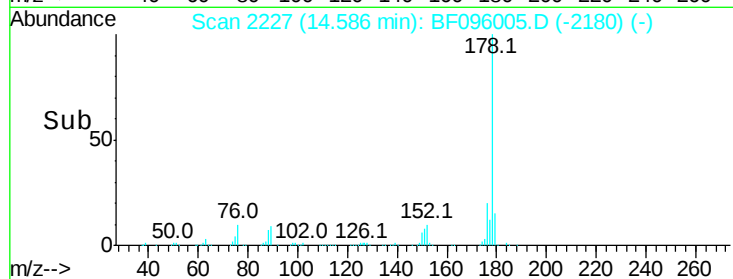
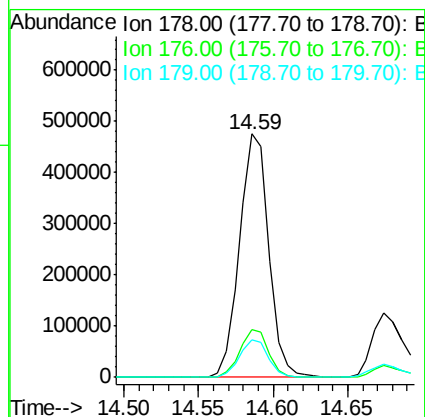
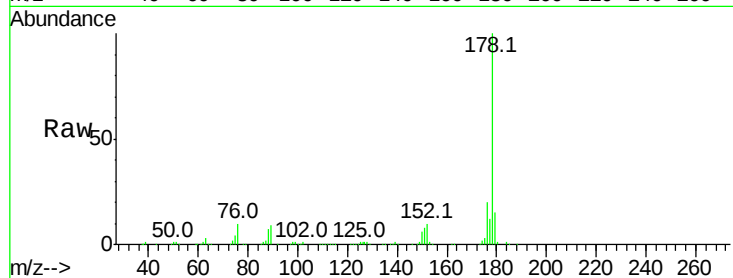
#70
Phenanthrene
Concen: 37.28 ng
RT: 14.59 min Scan# 2227
Delta R.T. -0.02 min
Lab File: BF096005.D
Acq: 19 Jun 2017 14:35

Instrument :
BNA_F
ClientSampleId :
CC-5B

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.2	24.4
179	15.2	12.6	19.0

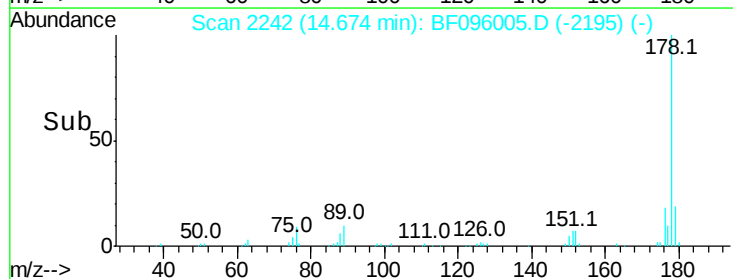
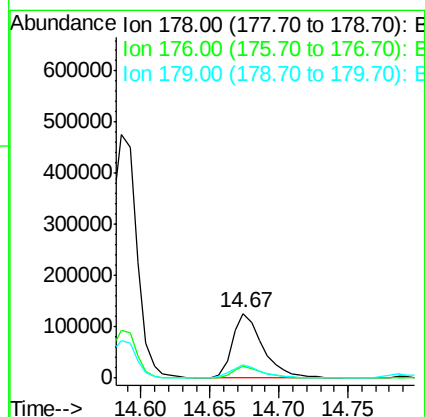
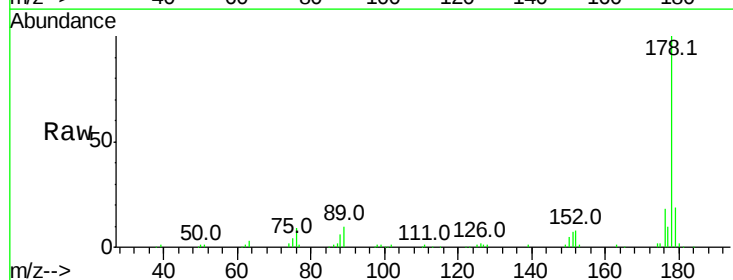
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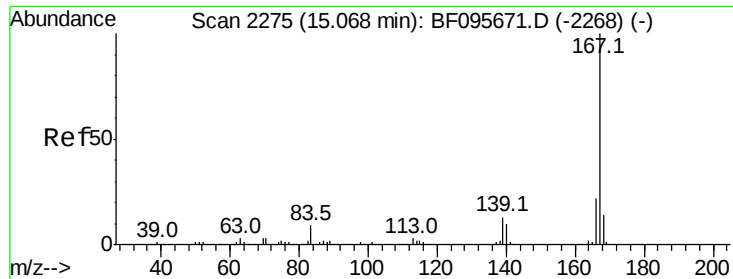
mohammad
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#71
Anthracene
Concen: 10.80 ng m
RT: 14.67 min Scan# 2242
Delta R.T. -0.02 min
Lab File: BF096005.D
Acq: 19 Jun 2017 14:35

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.8	23.8
179	19.4	12.7	19.1#





#72

Carbazole

Concen: 6.00 ng

RT: 14.98 min Scan# 2294

Delta R.T. -0.02 min

Lab File: BF096005.D

Acq: 19 Jun 2017 14:35

Instrument :

BNA_F

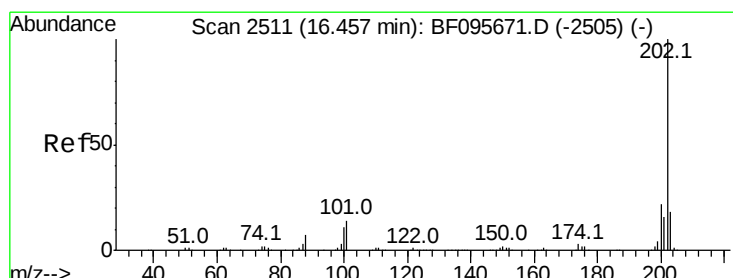
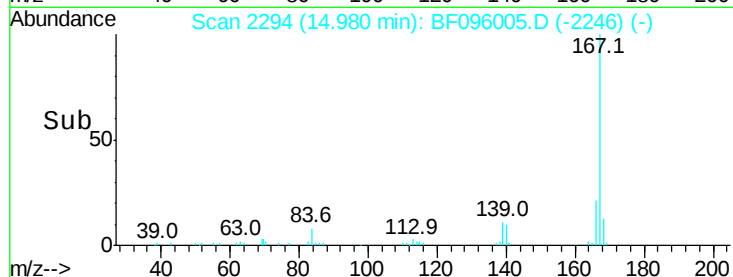
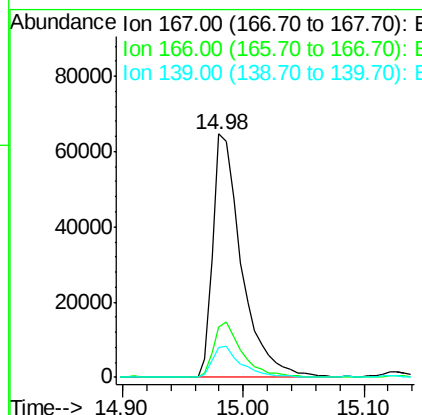
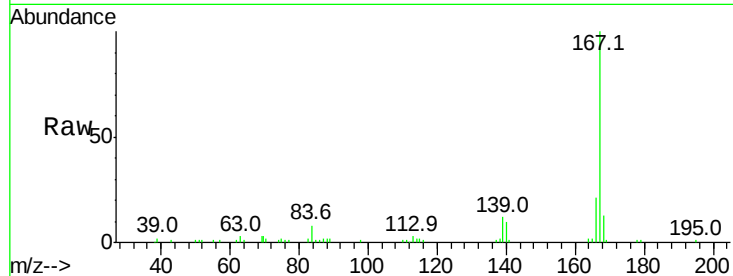
ClientSampleId :

CC-5B

Tot Ion	Ratio	Resp	Lower	Upper
167	100	106051		
166	20.6	18.1	27.1	
139	12.2	11.7	17.5	

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#74

Fluoranthene

Concen: 30.42 ng

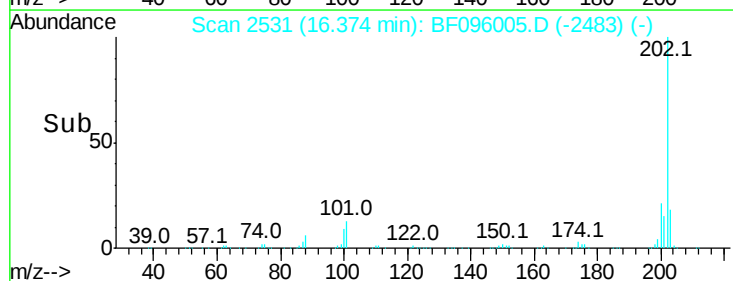
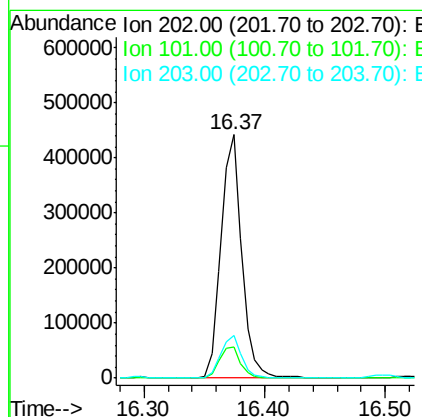
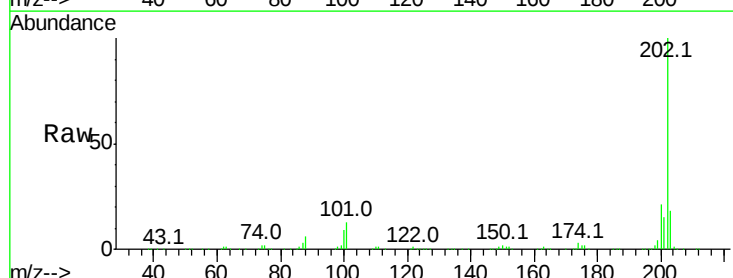
RT: 16.37 min Scan# 2531

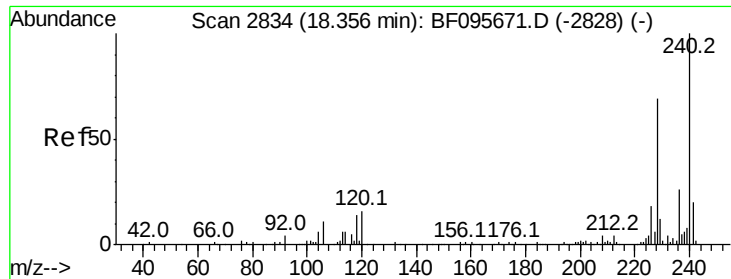
Delta R.T. -0.02 min

Lab File: BF096005.D

Acq: 19 Jun 2017 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	523207		
101	13.0	0.0	33.2	
203	17.7	0.0	38.1	





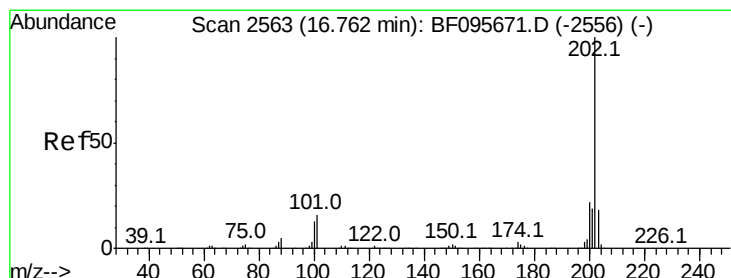
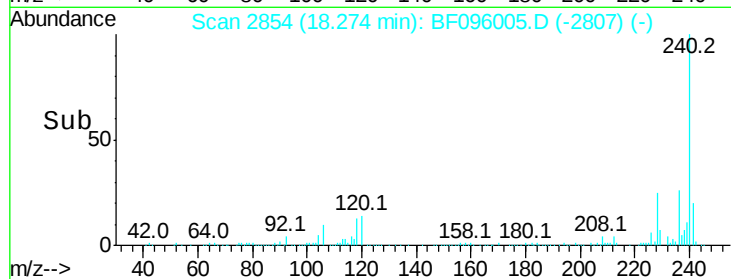
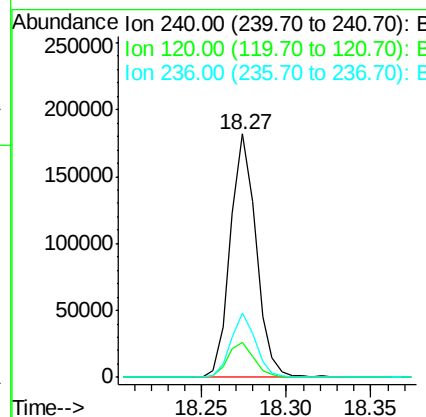
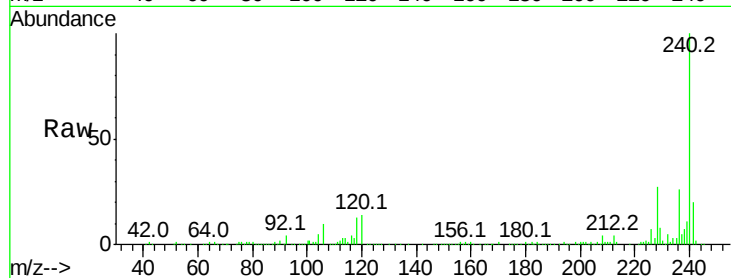
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.27 min Scan# 2854
 Delta R.T. -0.02 min
 Lab File: BF096005.D
 Acq: 19 Jun 2017 14:35

Instrument :
 BNA_F
 ClientSampled :
 CC-5B

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.4	5.8	8.8#
236	26.3	20.5	30.7

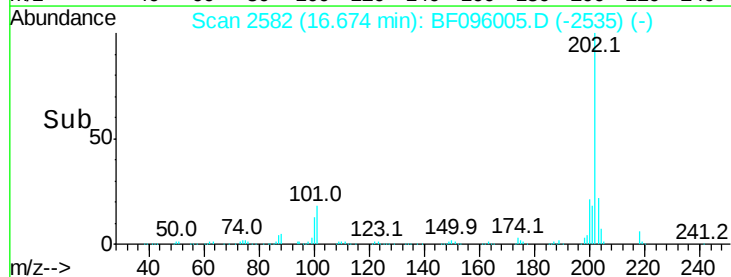
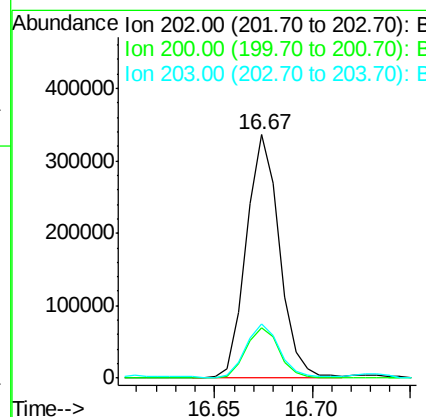
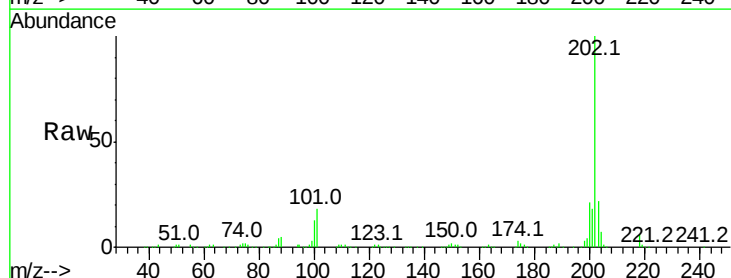
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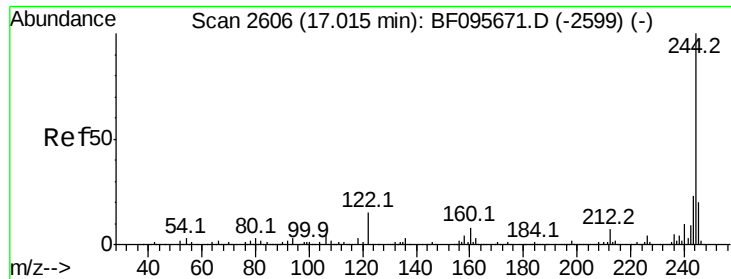
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#77
 Pyrene
 Concen: 27.33 ng
 RT: 16.67 min Scan# 2582
 Delta R.T. -0.02 min
 Lab File: BF096005.D
 Acq: 19 Jun 2017 14:35

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.6	26.4
203	22.1	14.4	21.6#





#78

Terphenyl-d14

Concen: 8.99 ng

RT: 16.93 min Scan# 2625

Delta R.T. -0.02 min

Lab File: BF096005.D

Acq: 19 Jun 2017 14:35

Instrument :

BNA_F

ClientSampleId :

CC-5B

Tot Ion:244 Resp: 70032

Ion Ratio Lower Upper

244 100

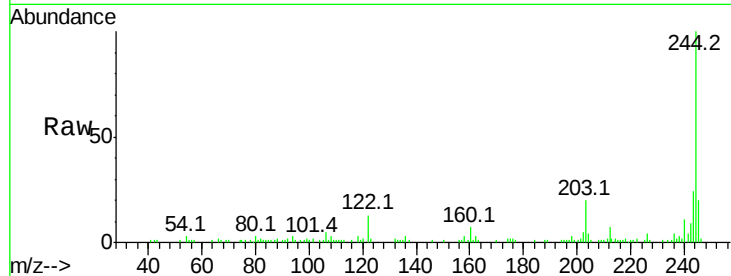
212 6.5 6.0 9.0

122 13.4 10.3 15.5

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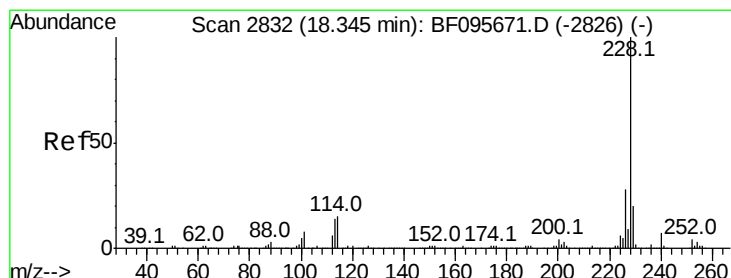
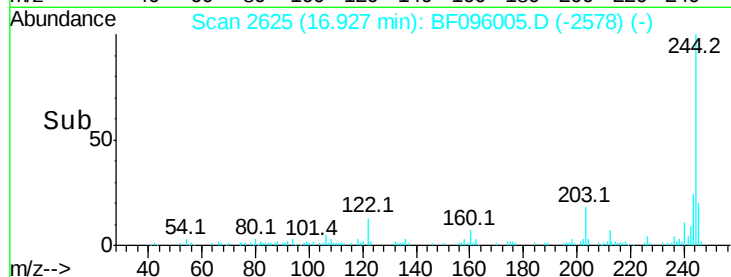
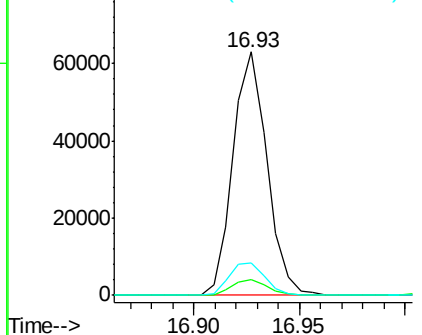
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 14.17 ng m

RT: 18.26 min Scan# 2852

Delta R.T. -0.02 min

Lab File: BF096005.D

Acq: 19 Jun 2017 14:35

Tgt Ion:228 Resp: 159289

Ion Ratio Lower Upper

228 100

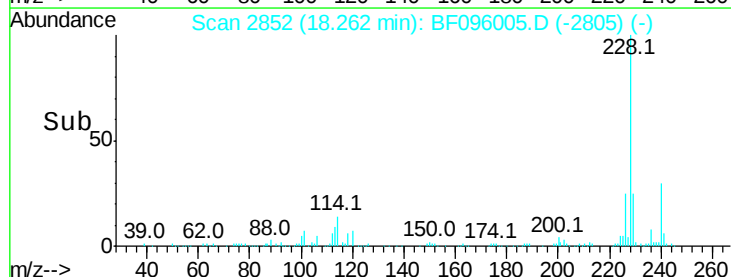
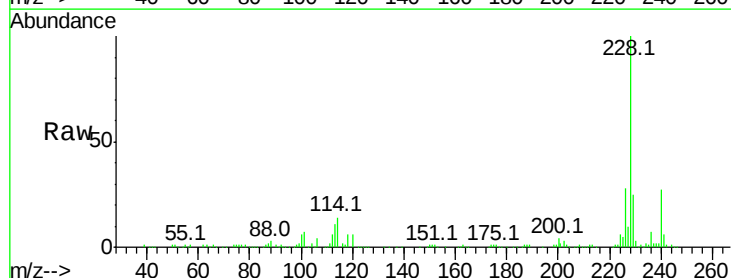
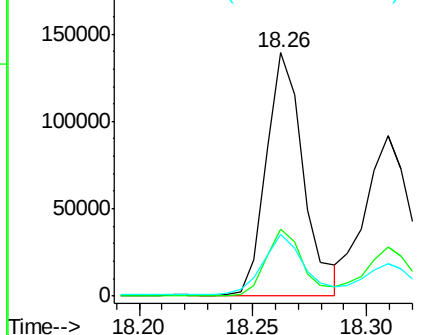
226 27.6 22.6 33.8

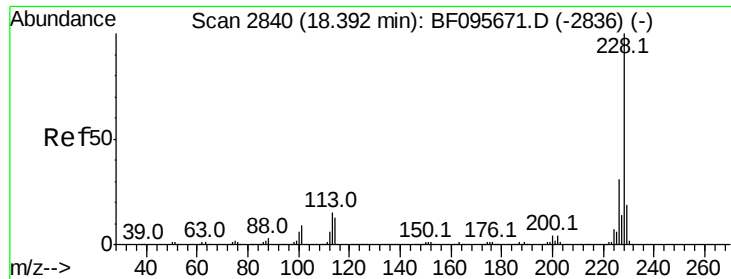
229 25.3 16.3 24.5#

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





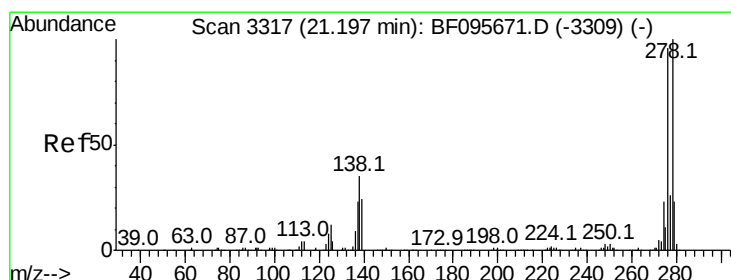
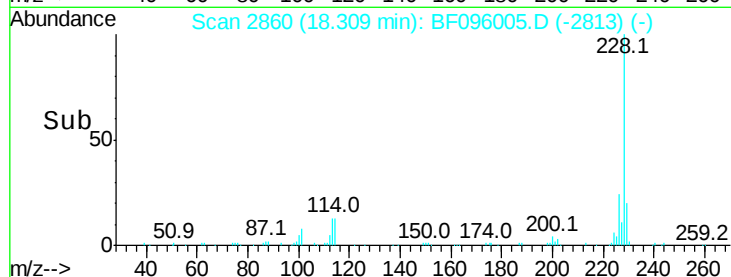
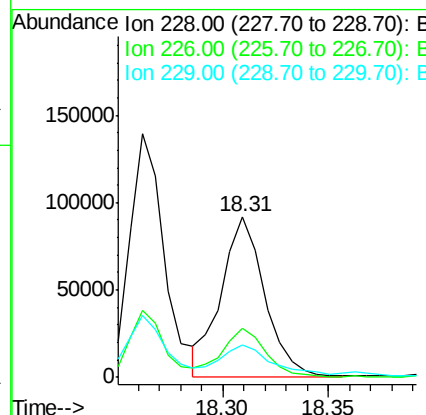
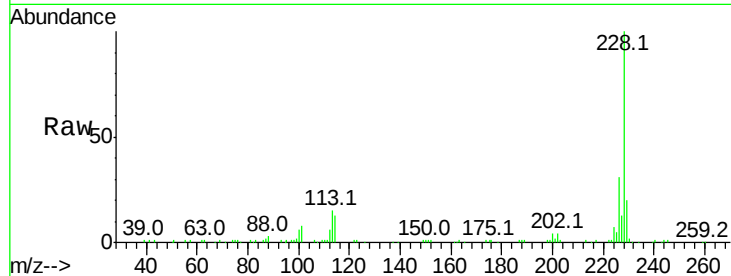
#82
Chrysene
Concen: 11.61 ng
RT: 18.31 min Scan# 2860
Delta R.T. -0.02 min
Lab File: BF096005.D
Acq: 19 Jun 2017 14:35

Instrument :
BNA_F
ClientSampled :
CC-5B

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.9	37.3
229	20.5	15.8	23.6

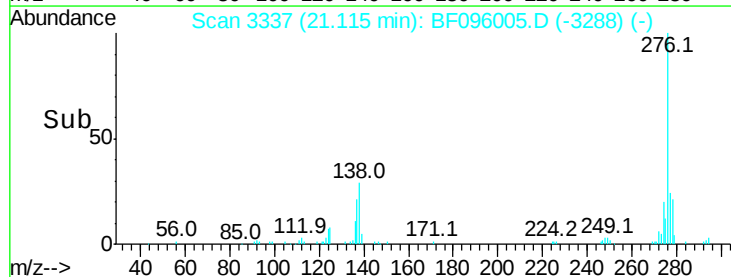
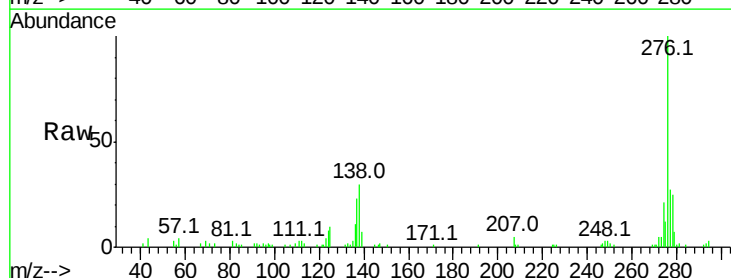
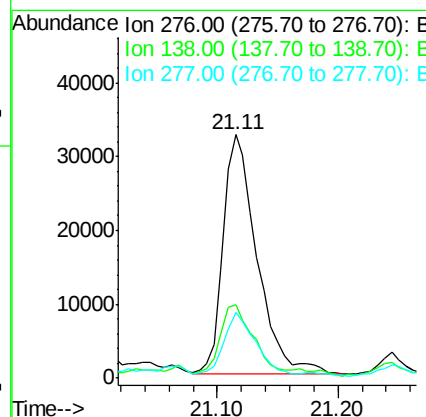
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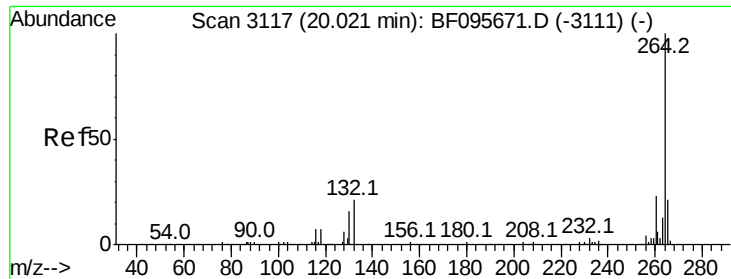
mohammad
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#85
Indeno(1,2,3-cd)pyrene
Concen: 6.54 ng
RT: 21.11 min Scan# 3337
Delta R.T. -0.01 min
Lab File: BF096005.D
Acq: 19 Jun 2017 14:35

Tgt Ion	Ratio	Lower	Upper
276	100		
138	32.3	27.8	41.6
277	23.3	20.2	30.4





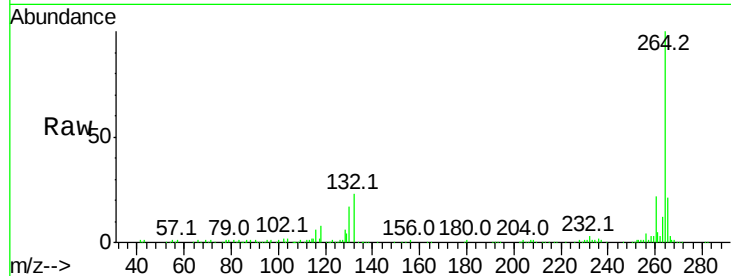
#86
Pervlene-d12
Concen: 20.00 ng
RT: 19.94 min Scan# 3138
Delta R.T. -0.02 min
Lab File: BF096005.D
Acq: 19 Jun 2017 14:35

Instrument :
BNA_F
ClientSampleId :
CC-5B

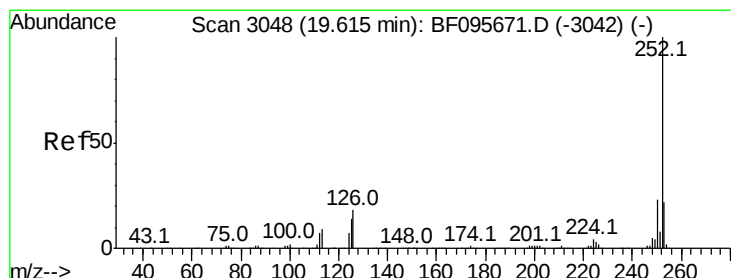
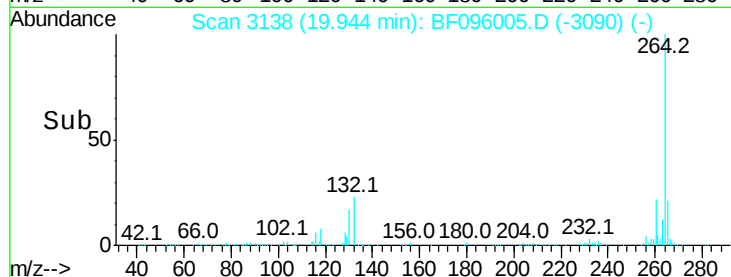
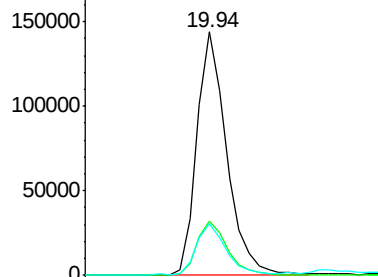
Tot Ion	Ratio	Lower	Upper
264	100		
260	22.3	19.5	29.3
265	21.0	17.2	25.8

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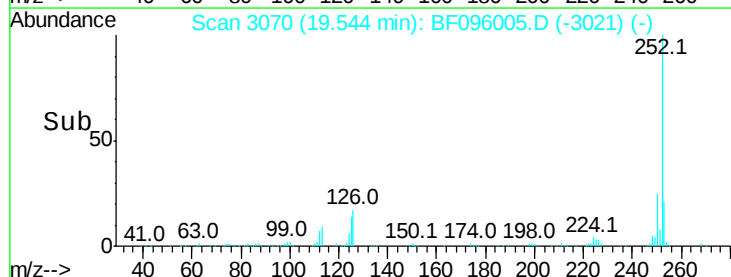
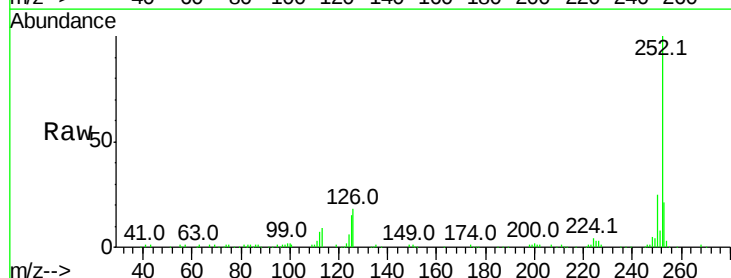
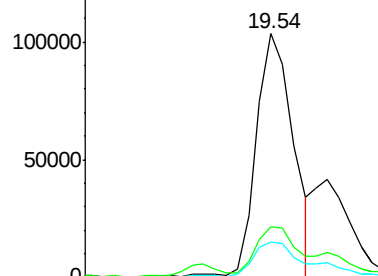
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

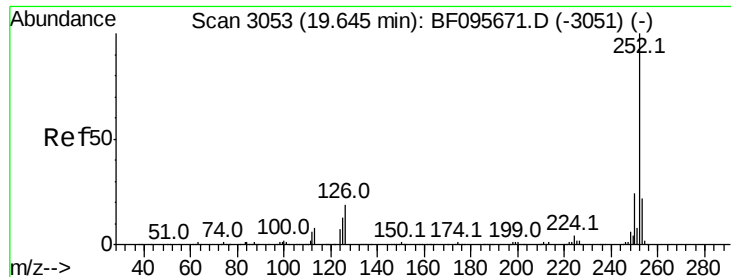


#87
Benzo(b)fluoranthene
Concen: 12.55 ng m
RT: 19.54 min Scan# 3070
Delta R.T. -0.01 min
Lab File: BF096005.D
Acq: 19 Jun 2017 14:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.9	18.1	27.1
125	14.6	9.8	14.8

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





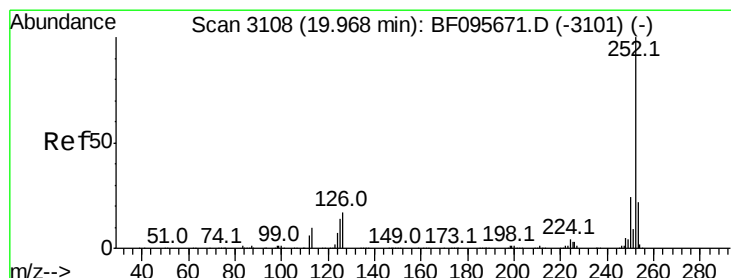
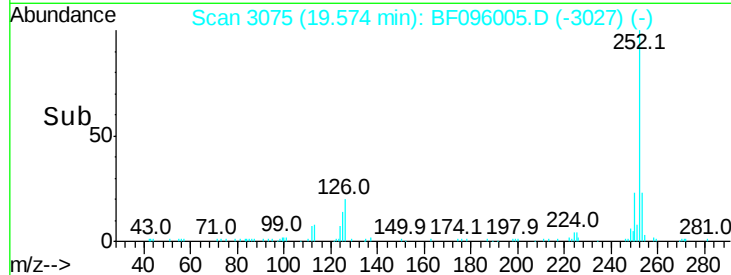
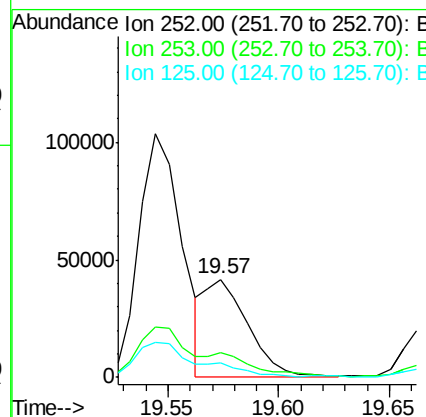
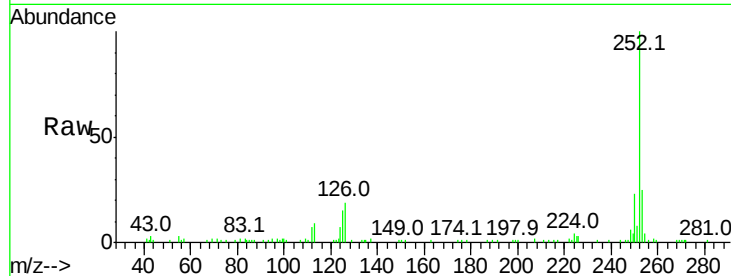
#88
Benzo(k)fluoranthene
Concen: 5.41 ng m
RT: 19.57 min Scan# 3075
Delta R.T. -0.02 min
Lab File: BF096005.D
Acq: 19 Jun 2017 14:35

Instrument :
BNA_F
ClientSampled :
CC-5B

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.4	27.6
125	15.1	13.1	19.7

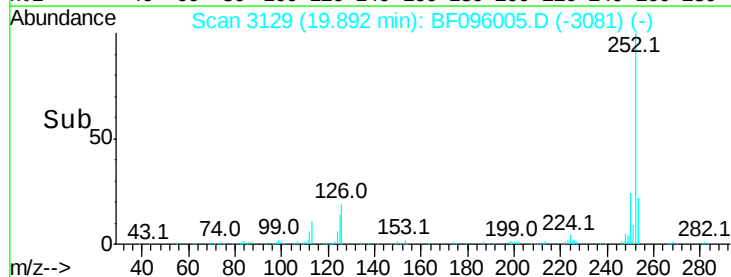
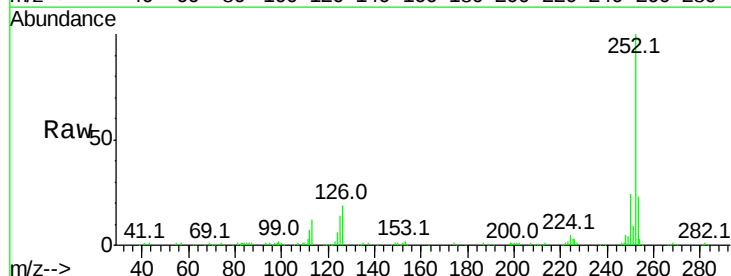
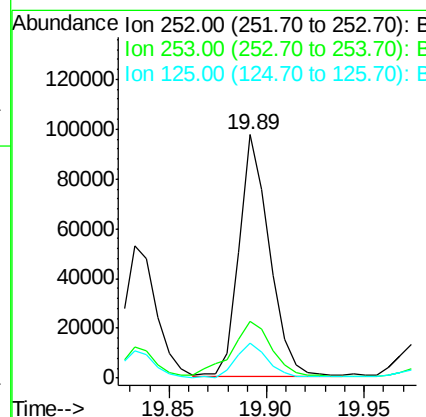
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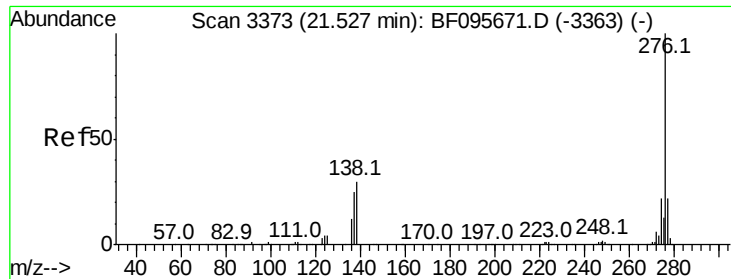
mohammad
6/20/2017 4:28:41 PM



#89
Benzo(a)pyrene
Concen: 10.31 ng
RT: 19.89 min Scan# 3129
Delta R.T. -0.02 min
Lab File: BF096005.D
Acq: 19 Jun 2017 14:35

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: 7.09 ng
 RT: 21.44 min Scan# 3393
 Delta R.T. 0.00 min
 Lab File: BF096005.D
 Acq: 19 Jun 2017 14:35

Instrument :
 BNA_F
 ClientSampleId :
 CC-5B

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.6	28.0
138	30.0	25.4	38.0

Manual Integrations
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