

Data Path : Z:\HPCHEM1\BNA F\DATA\BF063017\
 Data File : BF096367.D
 Acq On : 1 Jul 2017 5:39
 Operator : SJ/MA
 Sample : I3930-08 2X
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B3-0-2

Manual Integrations
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mohammad
 7/3/2017 11:38:07 AM

Quant Time: Jul 01 06:51:16 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 15:41:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	131442	20.00	ng	-0.02
21) Naphthalene-d8	8.04	136	490644	20.00	ng	-0.02
38) Acenaphthene-d10	9.79	164	187126	20.00	ng	-0.02
63) Phenanthrene-d10	11.27	188	315028	20.00	ng	-0.01
75) Chrysene-d12	13.91	240	215004	20.00	ng	0.00
86) Perylene-d12	15.33	264	154538	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	369194	40.47	ng	-0.01
7) Phenol-d6	6.39	99	440453	39.87	ng	0.00
23) Nitrobenzene-d5	7.32	82	218369	30.81	ng	-0.04
41) 2,4,6-Tribromophenol	10.58	330	79772	54.17	ng	-0.01
44) 2-Fluorobiphenyl	9.12	172	378482	37.04	ng	-0.03
78) Terphenyl-d14	12.86	244	303328	35.20	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.06	128	89767	3.80	ng	98
37) 2-Methylnaphthalene	8.76	142	70223	4.57	ng	98
48) Acenaphthylene	9.65	152	74815	3.79	ng	96
49) Dimethylphthalate	9.51	163	61395	4.58	ng	# 97
54) Dibenzofuran	10.00	168	37110	2.44	ng	# 94
71) Anthracene	11.35	178	86942	4.94	ng	98
74) Fluoranthene	12.49	202	218826	12.50	ng	97
77) Pyrene	12.71	202	193323	10.94	ng	98
80) Benzo(a)anthracene	13.90	228	112832m	8.61	ng	
82) Chrysene	13.93	228	131398	9.69	ng	98
85) Indeno(1,2,3-cd)pyrene	16.73	276	65708	5.84	ng	# 92
87) Benzo(b)fluoranthene	14.93	252	177151m	17.45	ng	
88) Benzo(k)fluoranthene	14.95	252	43675m	4.71	ng	
89) Benzo(a)pyrene	15.27	252	77073	8.60	ng	# 90
90) Dibenzo(a,h)anthracene	16.74	278	18341	2.61	ng	# 63
91) Benzo(g,h,i)perylene	17.14	276	59026	8.09	ng	96

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

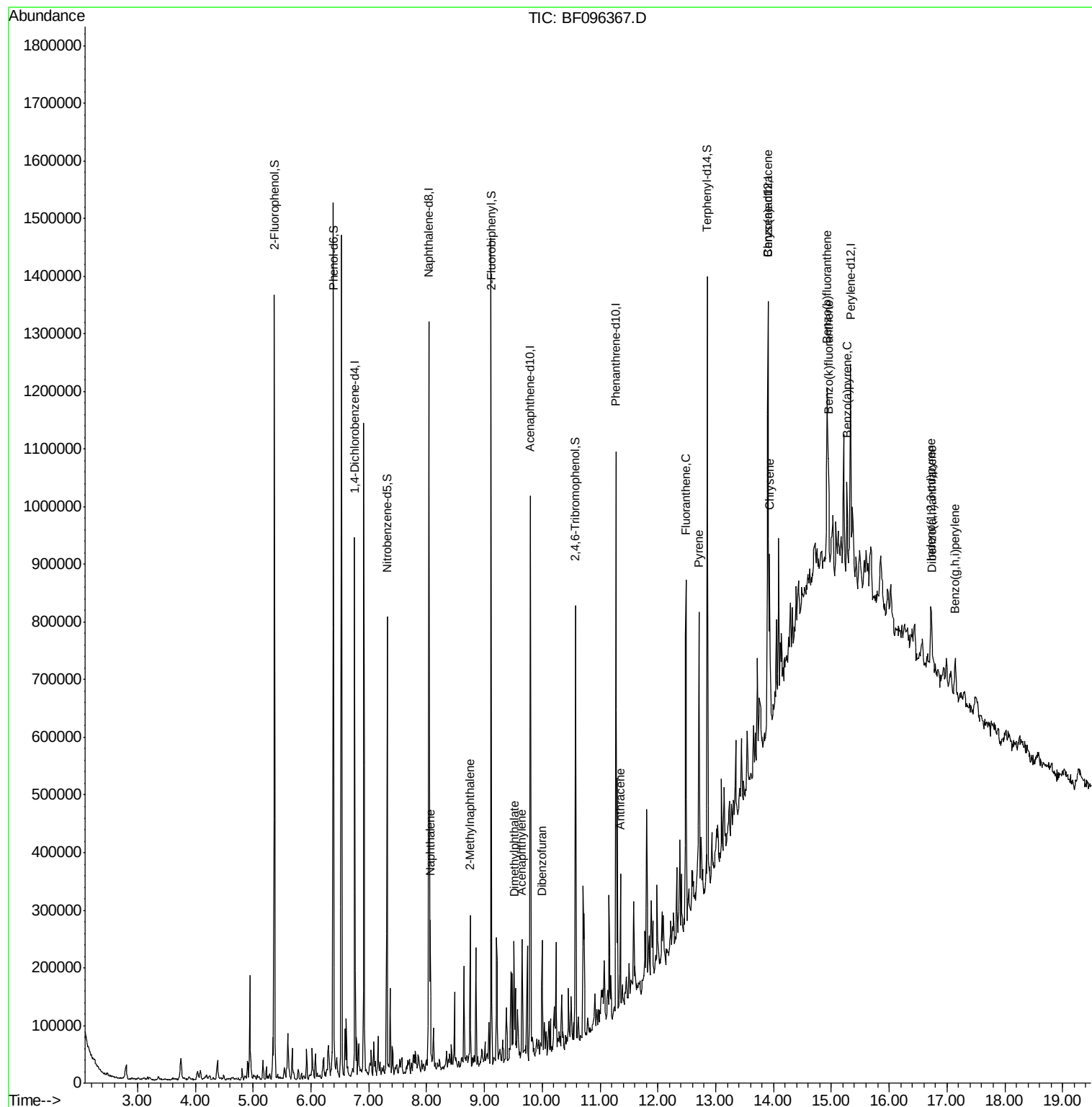
Data Path : Z:\HPCHEM1\BNA F\DATA\BF063017\
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ALS Vial : 44 Sample Multiplier: 1

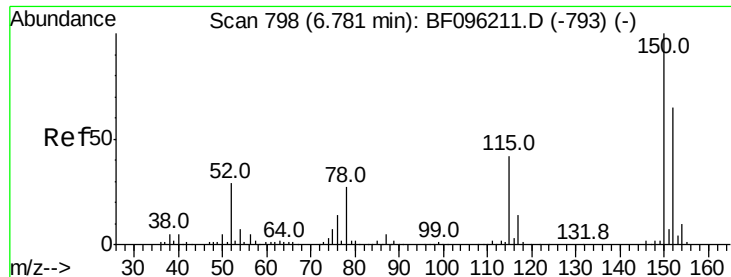
Instrument :
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#1

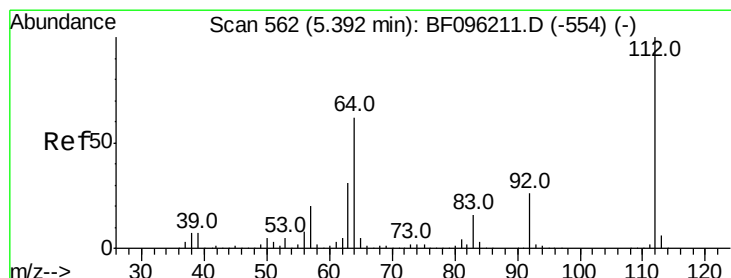
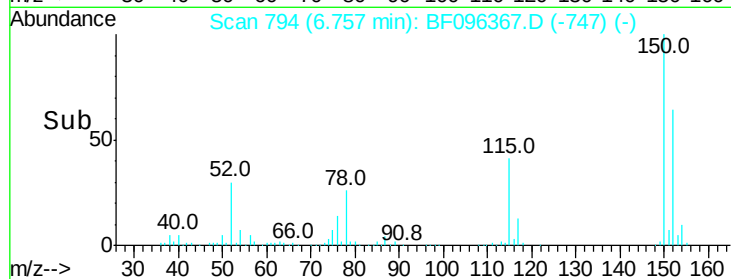
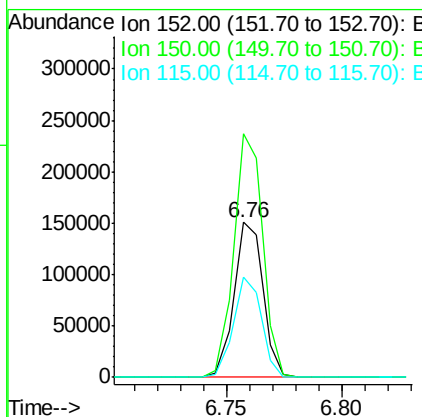
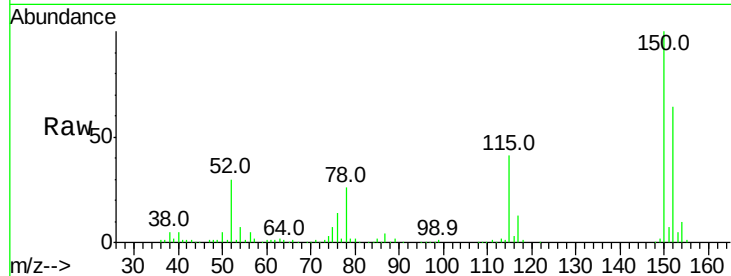
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.02 min
Lab File: BF096367.D
Acq: 1 Jul 2017 5:39

Instrument :
BNA_F
ClientSampled :
B3-0-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	126.2	189.2
115	64.7	52.2	78.2

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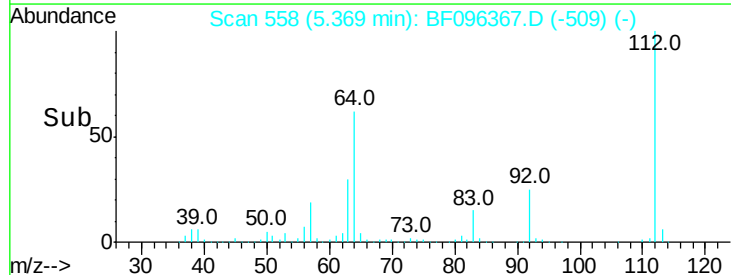
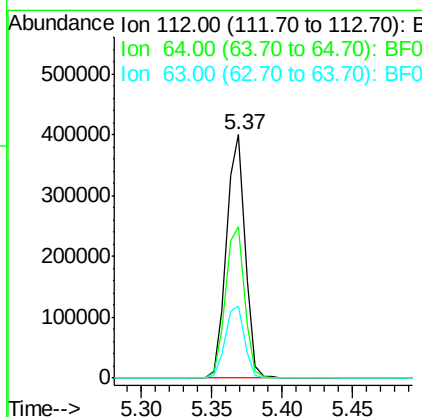
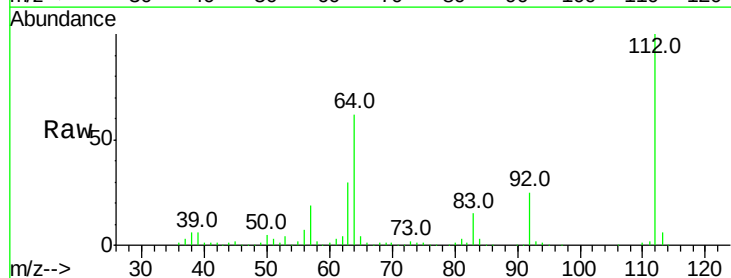
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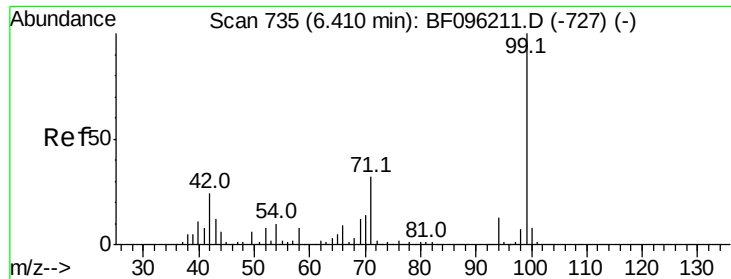


#5

2-Fluorophenol
Concen: 40.47 ng
RT: 5.37 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF096367.D
Acq: 1 Jul 2017 5:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.0	46.0	69.0
63	29.6	23.4	35.0





#7

Phenol-d6

Concen: 39.87 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF096367.D

Acq: 1 Jul 2017 5:39

Instrument :

BNA_F

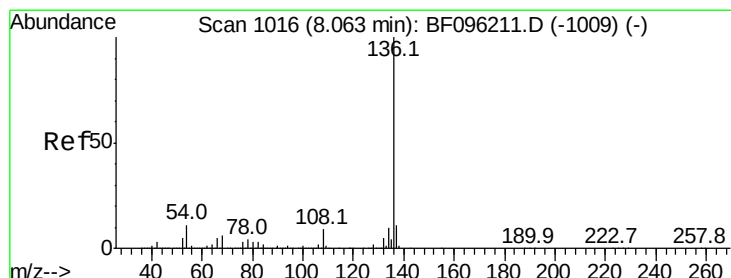
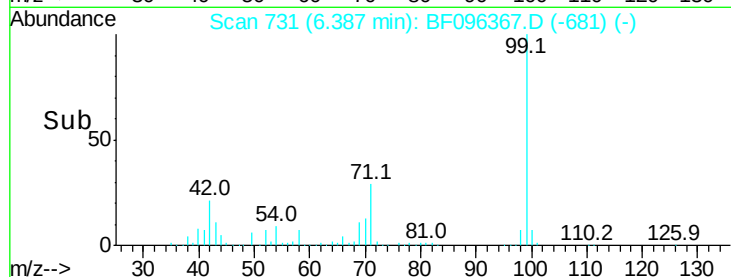
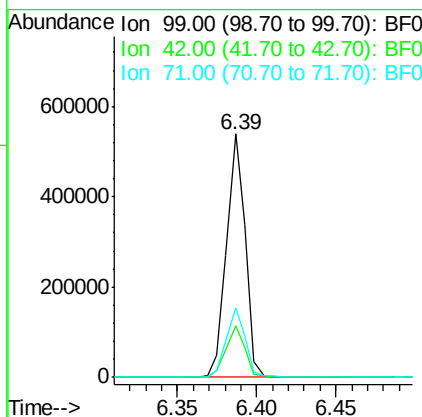
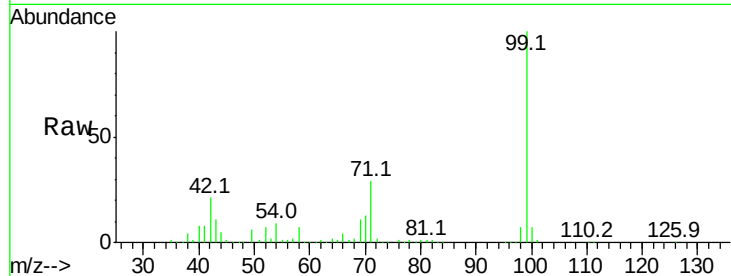
ClientSampleId :

B3-0-2

Tot Ion:	99	Resp:	440453
Ion Ratio	Lower	Upper	
99	100		
42	21.2	13.5	20.3#
71	28.8	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

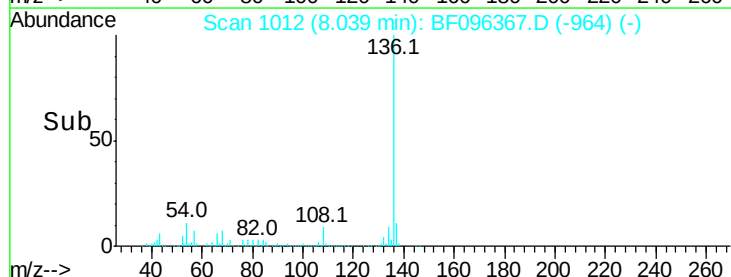
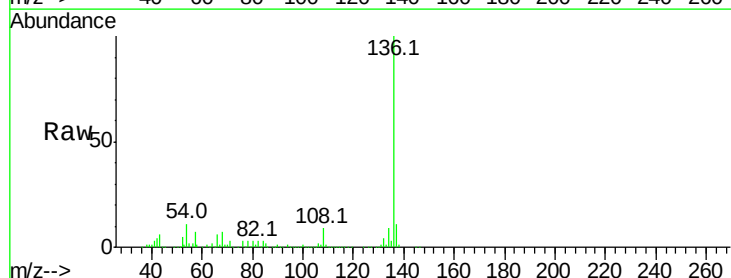
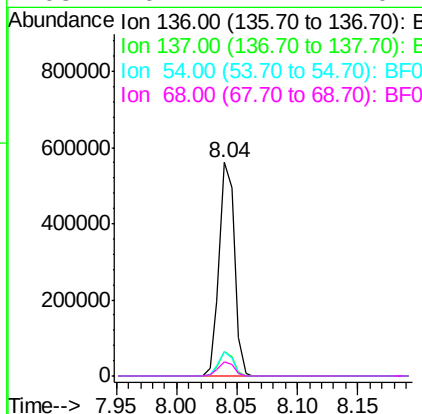
RT: 8.04 min Scan# 1012

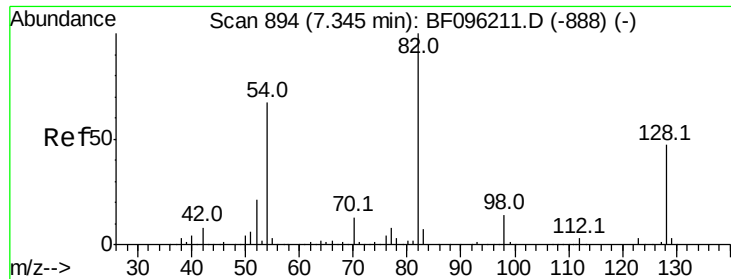
Delta R.T. -0.02 min

Lab File: BF096367.D

Acq: 1 Jul 2017 5:39

Tgt Ion:	136	Resp:	490644
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.5	12.7
54	11.5	4.9	7.3#
68	6.7	4.1	6.1#





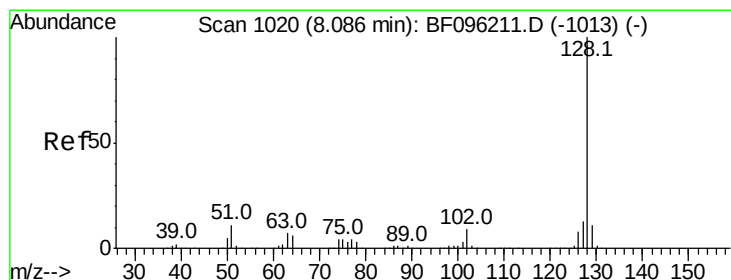
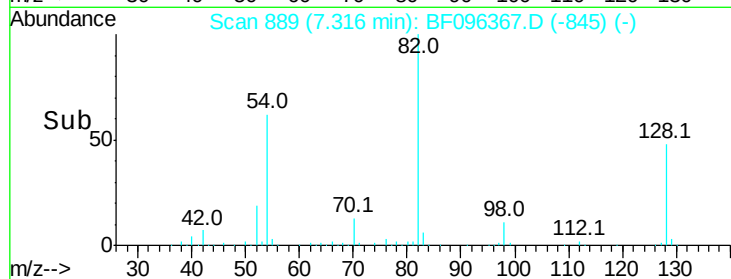
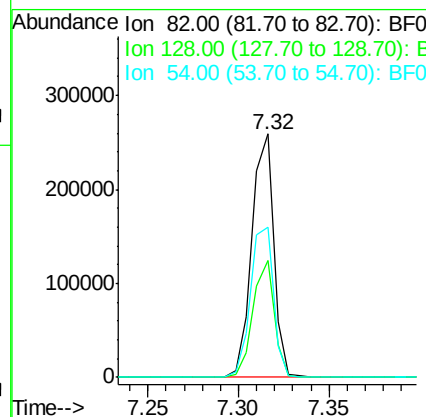
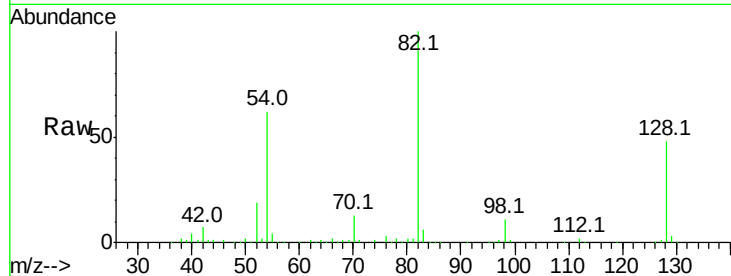
#23
 Nitrobenzene-d5
 Concen: 30.81 ng
 RT: 7.32 min Scan# 889
 Delta R.T. -0.04 min
 Lab File: BF096367.D
 Acq: 1 Jul 2017 5:39

Instrument :
 BNA_F
 ClientSampled :
 B3-0-2

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.9	34.0	51.0
54	61.6	42.2	63.2

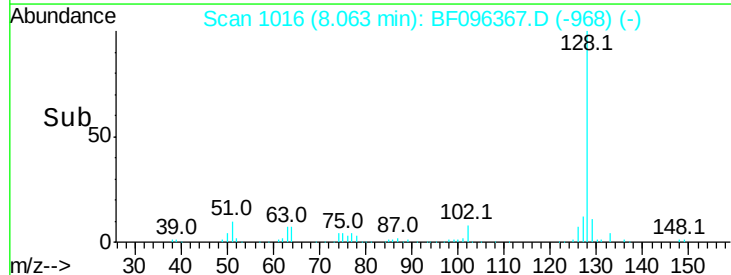
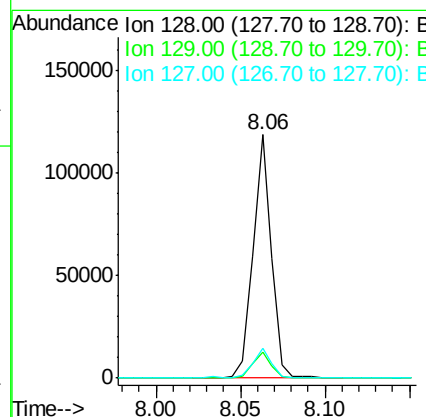
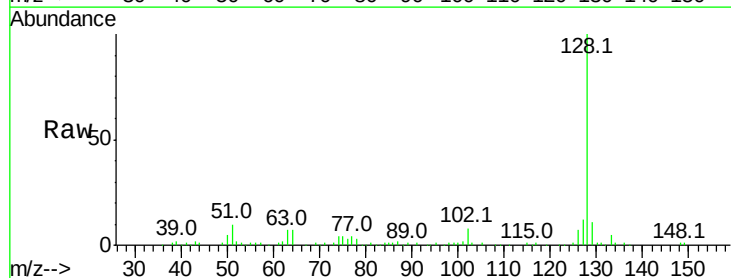
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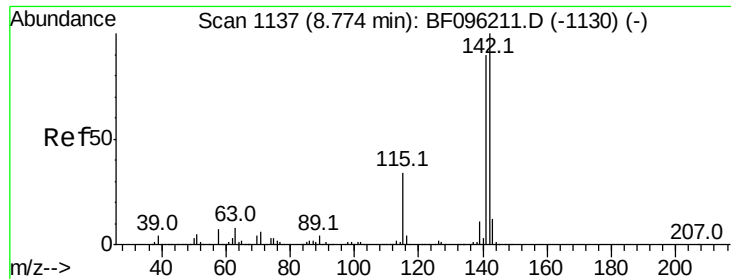
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#31
 Naphthalene
 Concen: 3.80 ng
 RT: 8.06 min Scan# 1016
 Delta R.T. -0.02 min
 Lab File: BF096367.D
 Acq: 1 Jul 2017 5:39

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.5	9.0	13.6
127	12.4	10.8	16.2





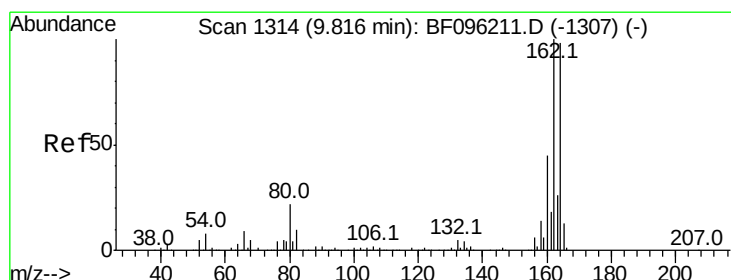
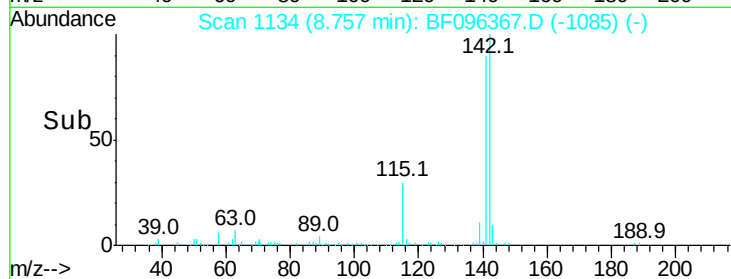
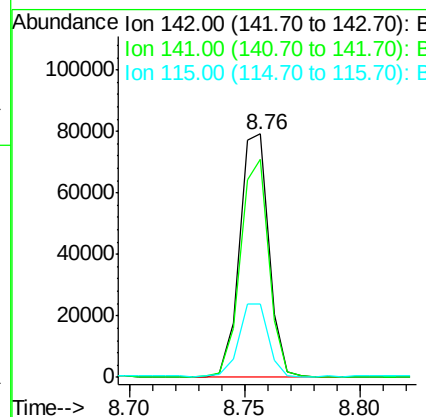
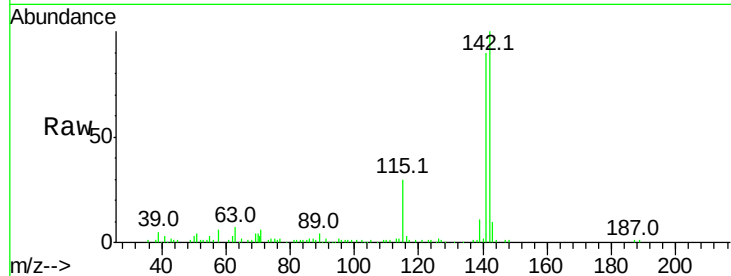
#37
2-Methylnaphthalene
Concen: 4.57 ng
RT: 8.76 min Scan# 1134
Delta R.T. -0.01 min
Lab File: BF096367.D
Acq: 1 Jul 2017 5:39

Instrument :
BNA_F
ClientSampled :
B3-0-2

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.7	71.3	106.9
115	30.3	27.1	40.7

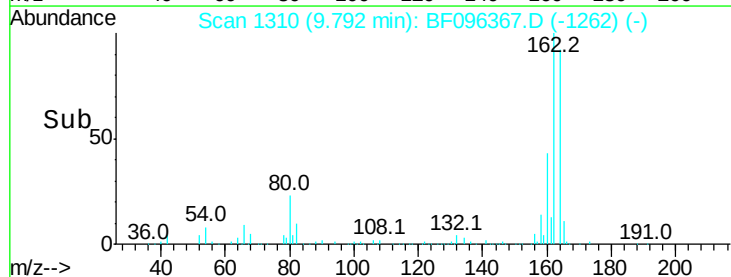
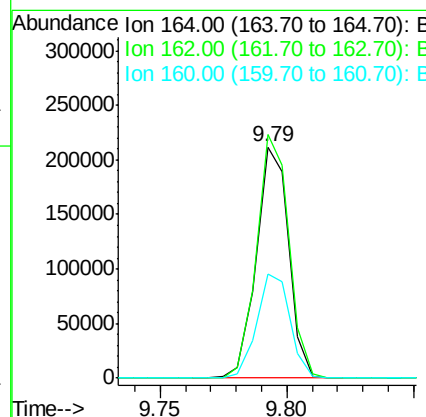
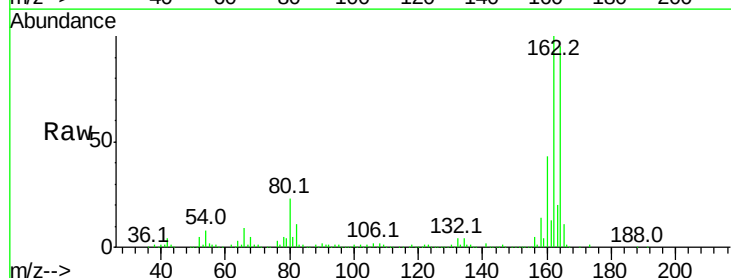
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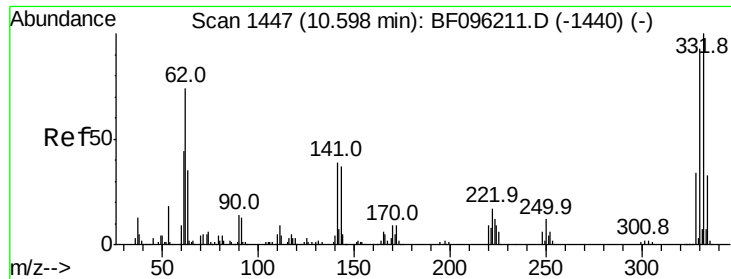
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.02 min
Lab File: BF096367.D
Acq: 1 Jul 2017 5:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.3	82.6	123.8
160	44.9	36.2	54.2





#41

2,4,6-Tribromophenol

Concen: 54.17 ng

RT: 10.58 min Scan# 1444

Delta R.T. -0.01 min

Lab File: BF096367.D

Acq: 1 Jul 2017 5:39

Instrument :

BNA_F

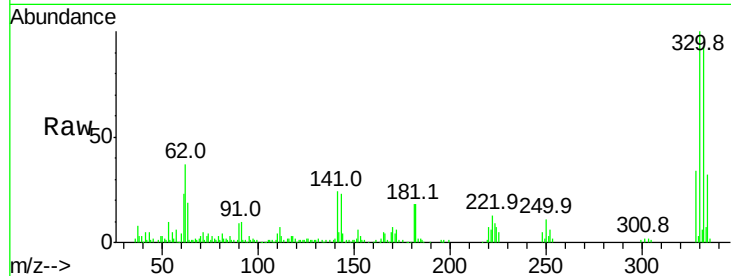
ClientSampled :

B3-0-2

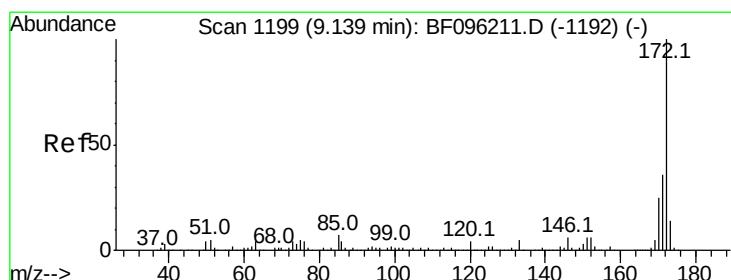
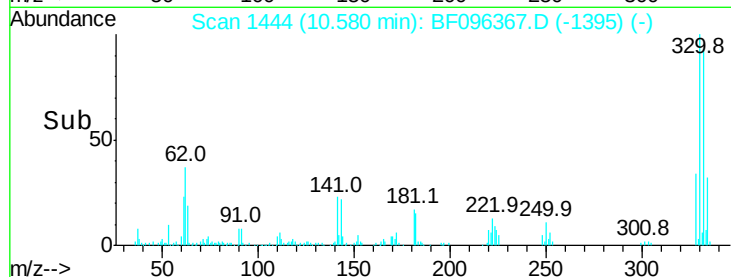
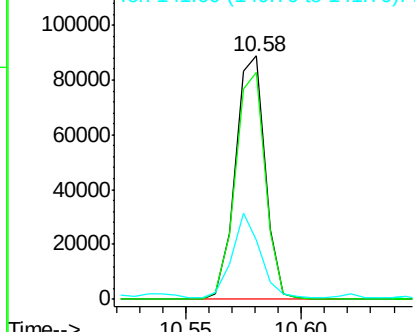
Tot Ion:	330	Resp:	79772
Ion Ratio	Lower	Upper	
330	100		
332	94.1	76.6	115.0
141	32.6	31.4	47.2

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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: 37.04 ng

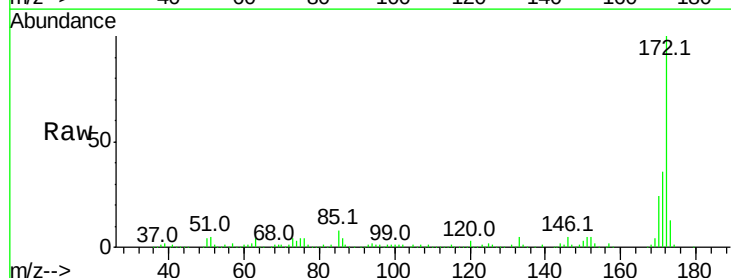
RT: 9.12 min Scan# 1195

Delta R.T. -0.03 min

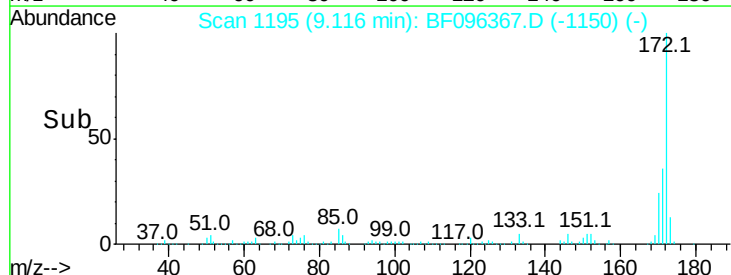
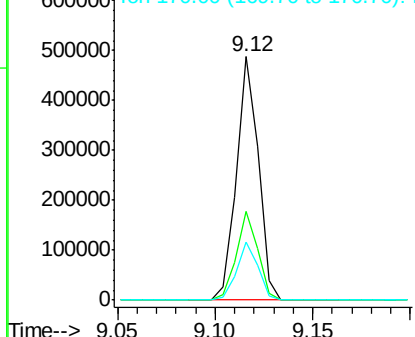
Lab File: BF096367.D

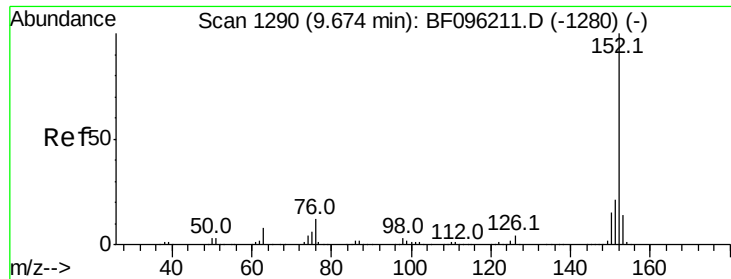
Acq: 1 Jul 2017 5:39

Tgt Ion:	172	Resp:	378482
Ion Ratio	Lower	Upper	
172	100		
171	36.5	29.6	44.4
170	23.6	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





#48

Acenaphthylene

Concen: 3.79 ng

RT: 9.65 min Scan# 1286

Delta R.T. -0.02 min

Lab File: BF096367.D

Acq: 1 Jul 2017 5:39

Instrument :

BNA_F

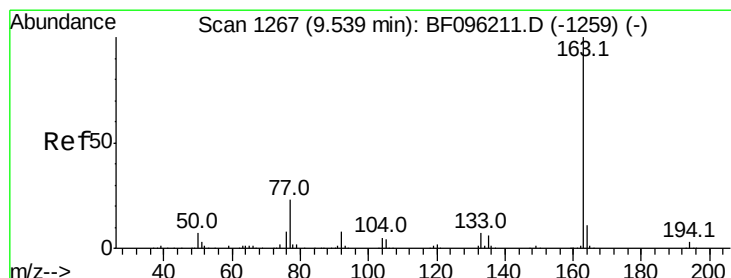
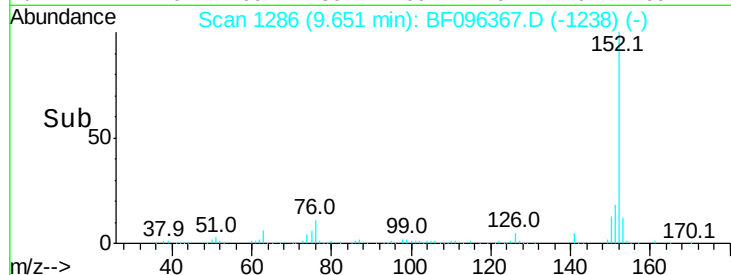
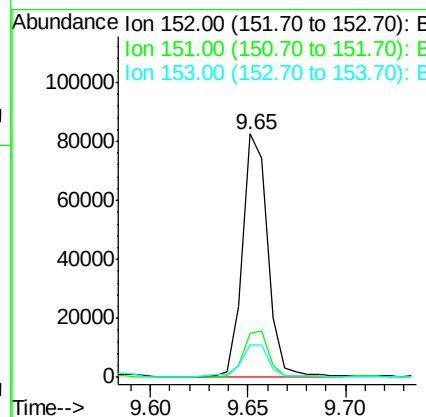
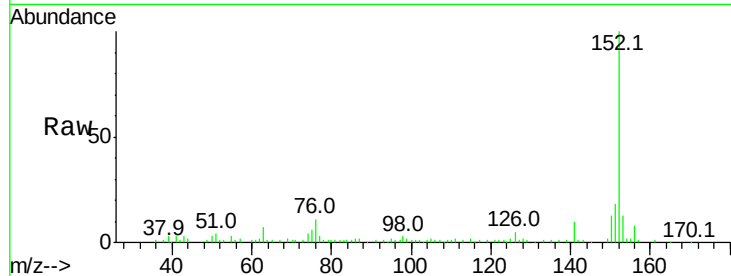
ClientSampled :

B3-0-2

Tot Ion	152	Resp	74815
Ion Ratio	Lower	Upper	
152	100		
151	18.1	16.8	25.2
153	13.2	10.8	16.2

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#49

Dimethylphthalate

Concen: 4.58 ng

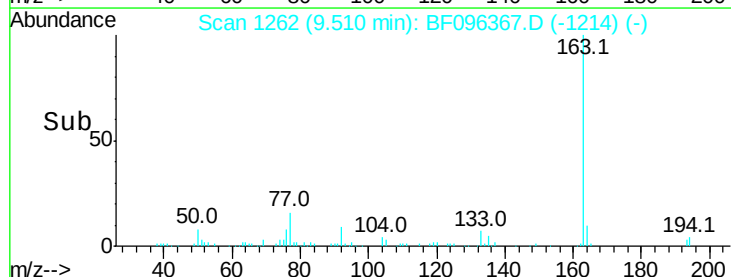
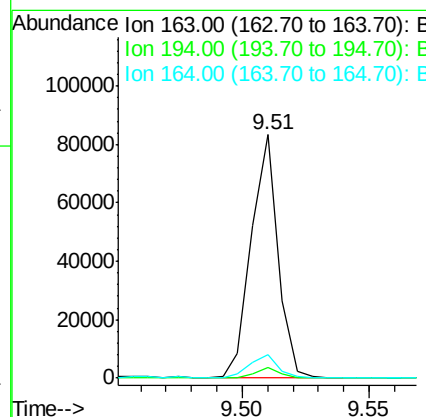
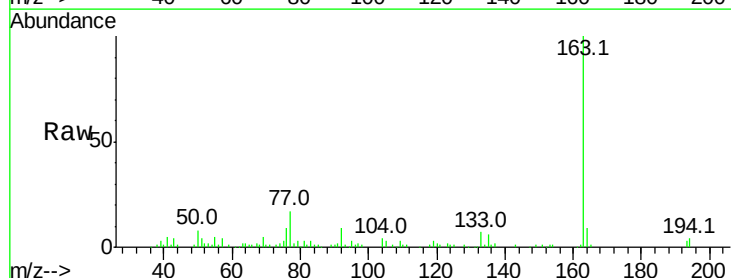
RT: 9.51 min Scan# 1262

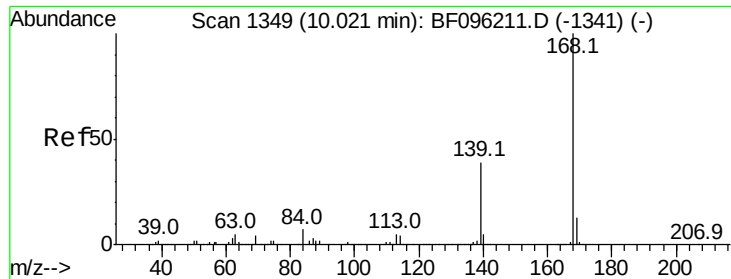
Delta R.T. -0.02 min

Lab File: BF096367.D

Acq: 1 Jul 2017 5:39

Tgt Ion	163	Resp	61395
Ion Ratio	Lower	Upper	
163	100		
194	4.4	2.6	4.0#
164	9.5	8.4	12.6





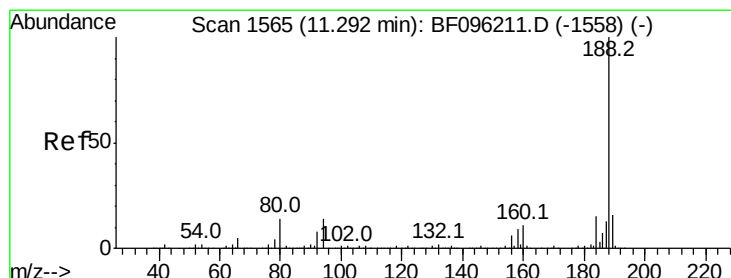
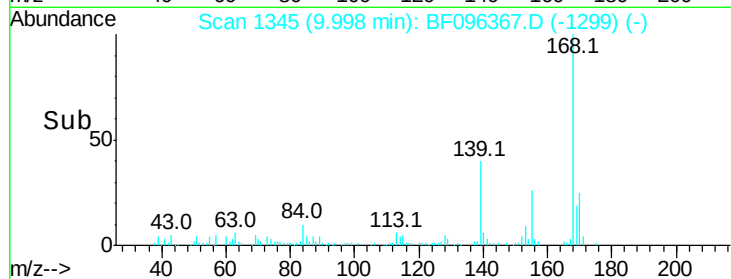
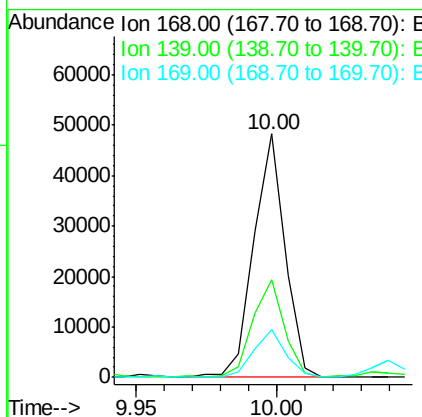
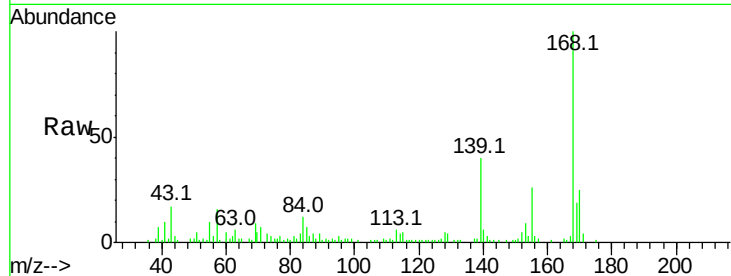
#54
Dibenzofuran
Concen: 2.44 ng
RT: 10.00 min Scan# 1345
Delta R.T. -0.03 min
Lab File: BF096367.D
Acq: 1 Jul 2017 5:39

Instrument :
BNA_F
ClientSampleId :
B3-0-2

Tot Ion	Ratio	Lower	Upper
168	100		
139	40.0	30.6	45.8
169	19.4	10.8	16.2

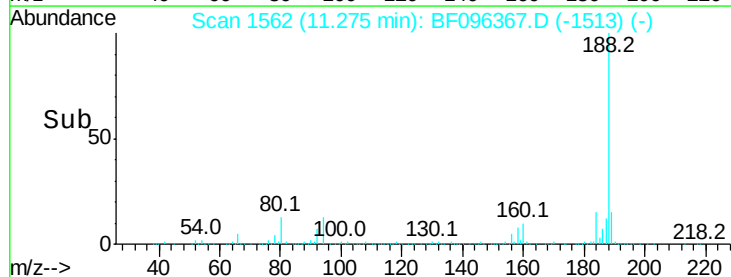
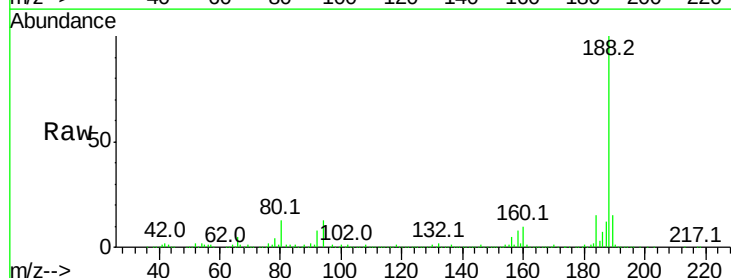
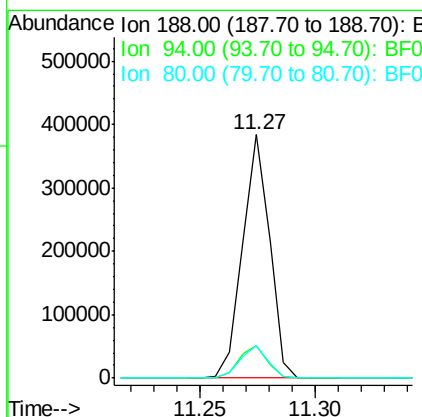
Manual Integrations
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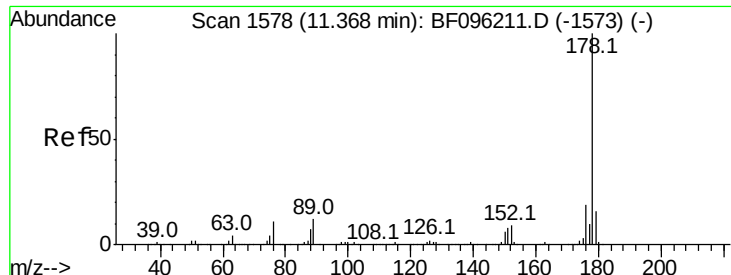
mohammad
7/3/2017 11:38:07 AM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.01 min
Lab File: BF096367.D
Acq: 1 Jul 2017 5:39

Tgt Ion	Ratio	Lower	Upper
188	100		
94	13.4	9.4	14.2
80	13.4	10.2	15.2





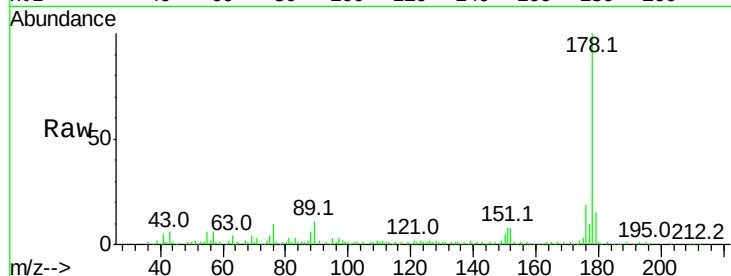
#71
 Anthracene
 Concen: 4.94 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.03 min
 Lab File: BF096367.D
 Acq: 1 Jul 2017 5:39

Instrument :
 BNA_F
 ClientSampled :
 B3-0-2

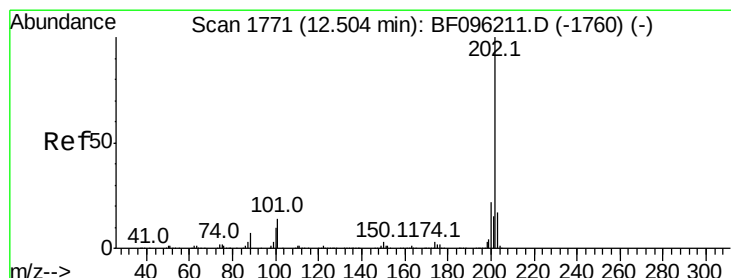
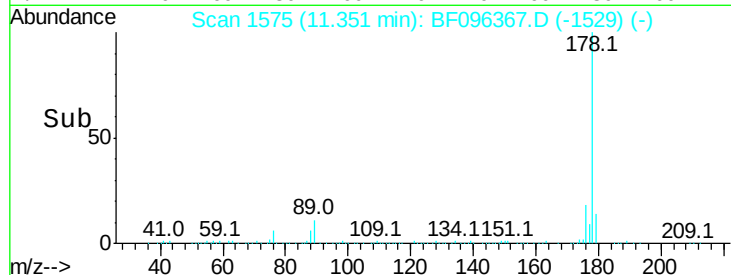
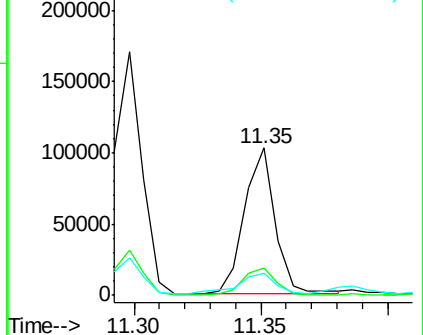
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.3	12.7	19.1

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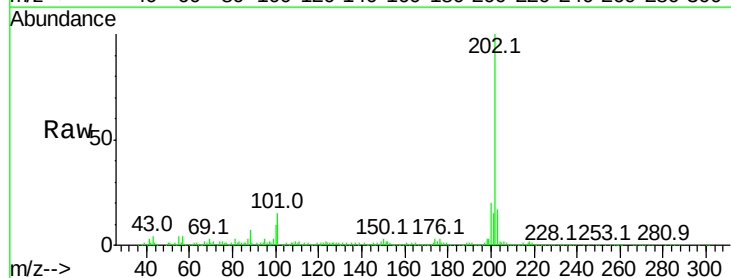


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

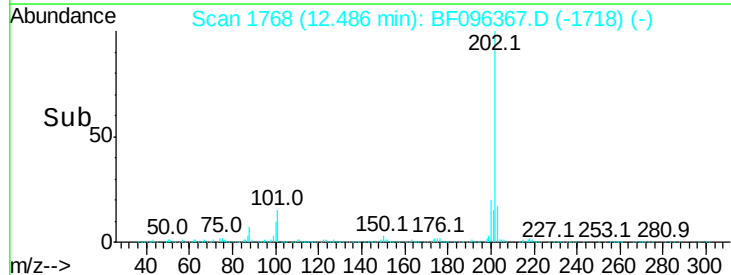
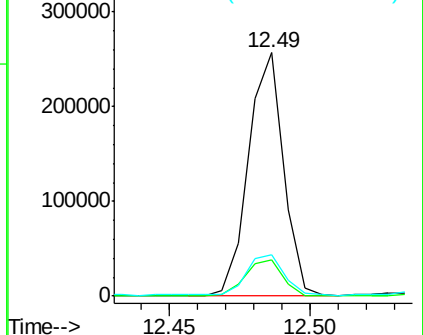


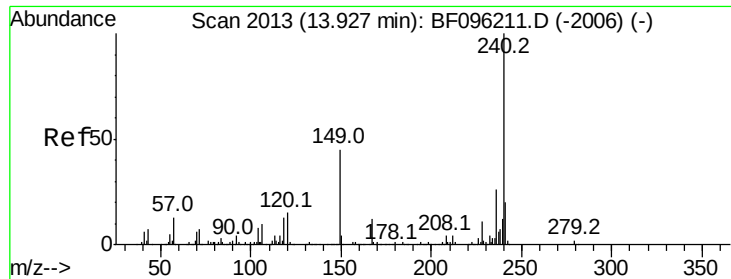
#74
 Fluoranthene
 Concen: 12.50 ng
 RT: 12.49 min Scan# 1768
 Delta R.T. -0.01 min
 Lab File: BF096367.D
 Acq: 1 Jul 2017 5:39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.9	0.0	33.2
203	17.3	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





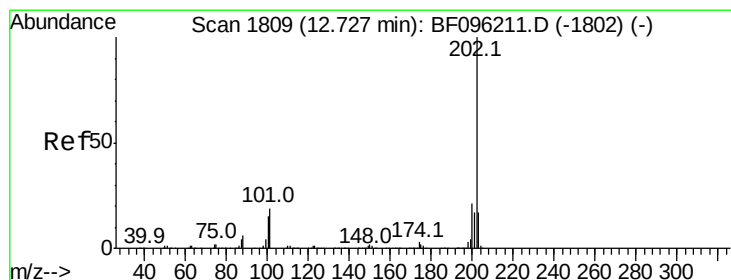
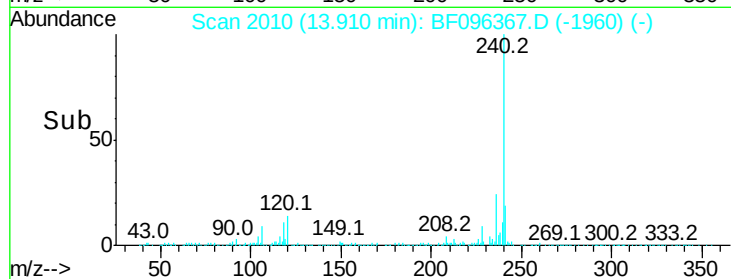
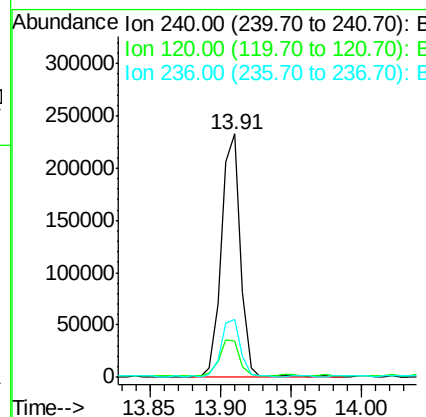
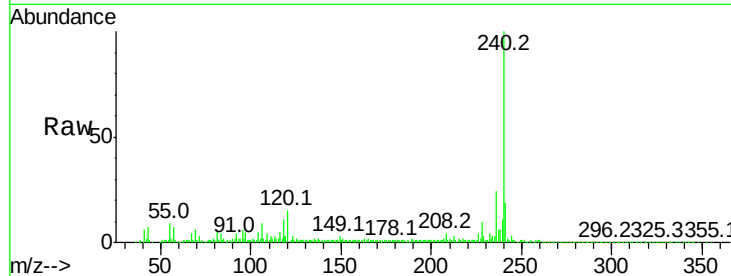
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.91 min Scan# 2010
 Delta R.T. -0.01 min
 Lab File: BF096367.D
 Acq: 1 Jul 2017 5:39

Instrument :
 BNA_F
 ClientSampleId :
 B3-0-2

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.9	5.8	8.8#
236	24.0	20.5	30.7

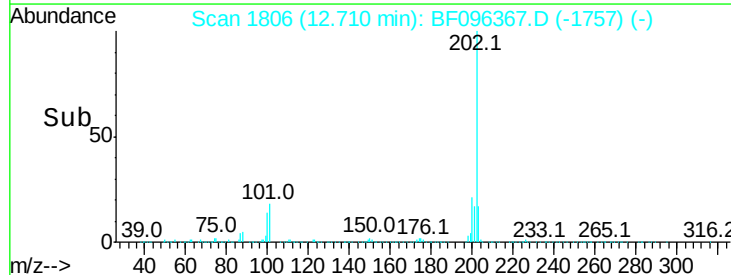
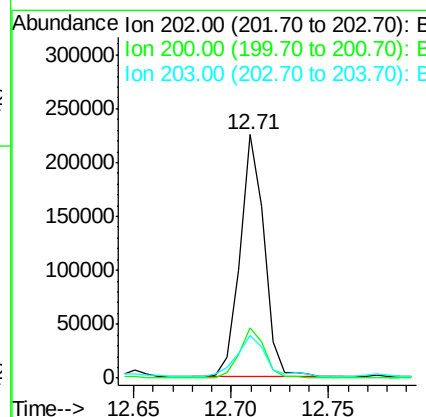
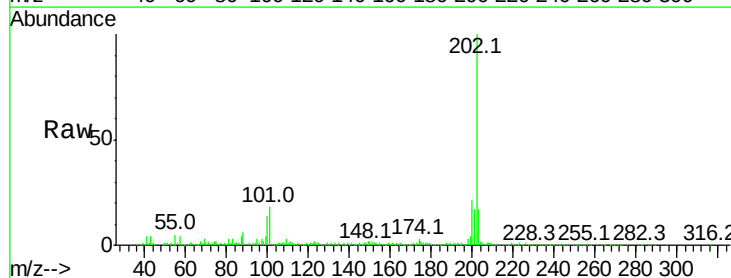
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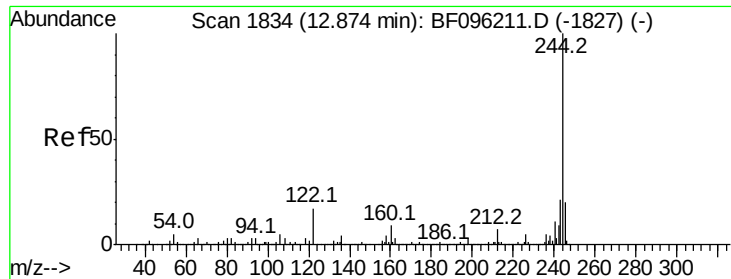
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#77
 Pyrene
 Concen: 10.94 ng
 RT: 12.71 min Scan# 1806
 Delta R.T. -0.01 min
 Lab File: BF096367.D
 Acq: 1 Jul 2017 5:39

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.6	26.4
203	17.4	14.4	21.6





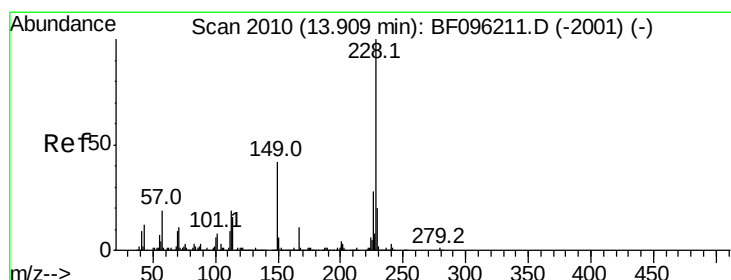
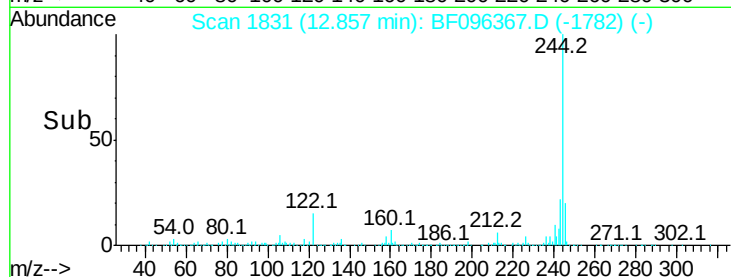
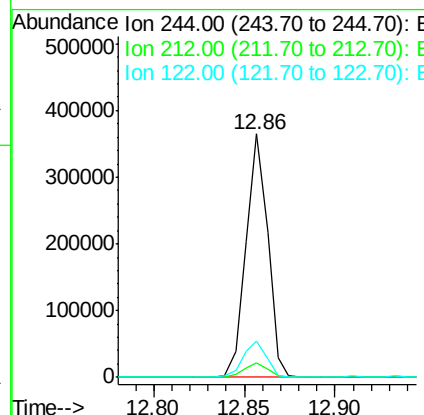
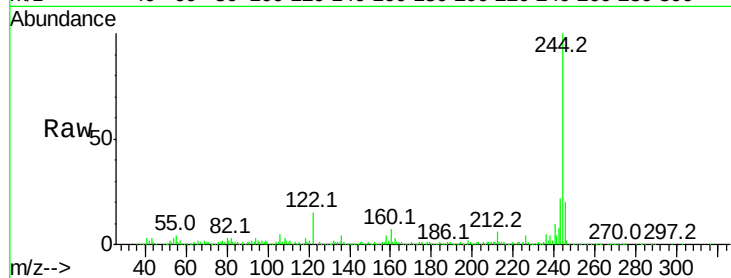
#78
 Terphenyl-d14
 Concen: 35.20 ng
 RT: 12.86 min Scan# 1831
 Delta R.T. -0.01 min
 Lab File: BF096367.D
 Acq: 1 Jul 2017 5:39

Instrument :
 BNA_F
 ClientSampled :
 B3-0-2

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.0	6.0	9.0
122	14.8	10.3	15.5

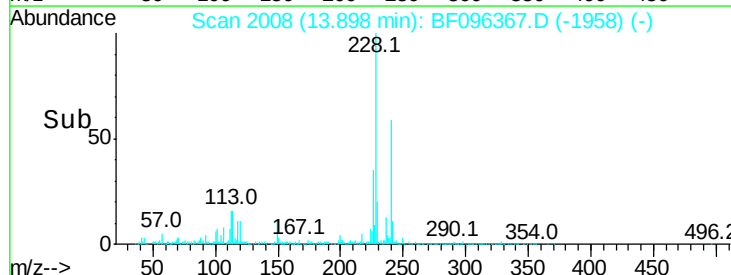
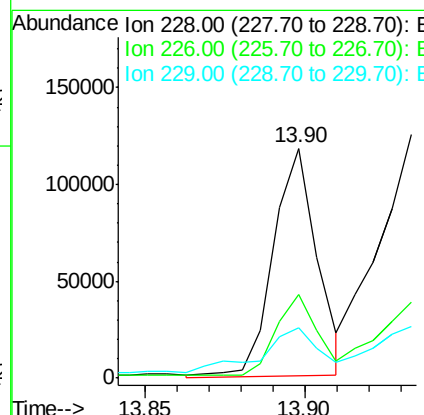
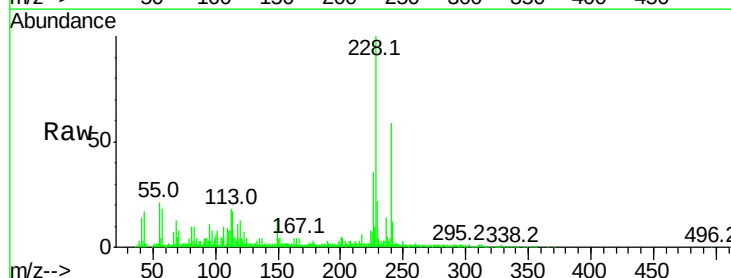
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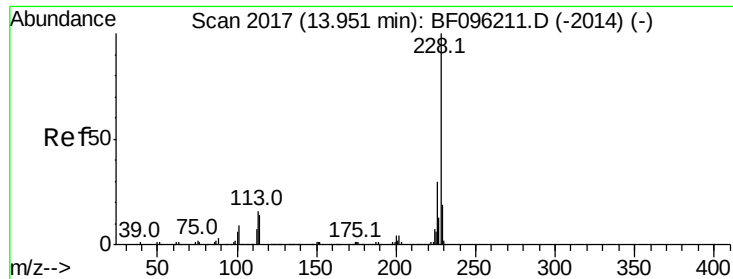
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#80
 Benzo(a)anthracene
 Concen: 8.61 ng m
 RT: 13.90 min Scan# 2008
 Delta R.T. -0.01 min
 Lab File: BF096367.D
 Acq: 1 Jul 2017 5:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	36.2	22.6	33.8#
229	21.6	16.3	24.5





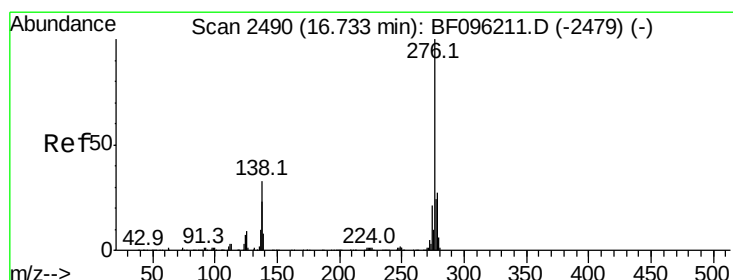
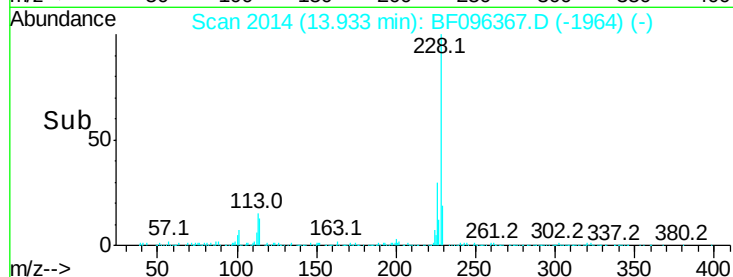
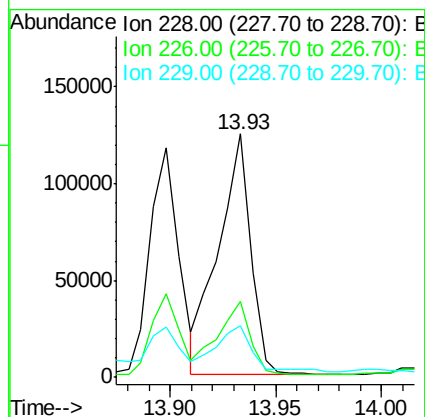
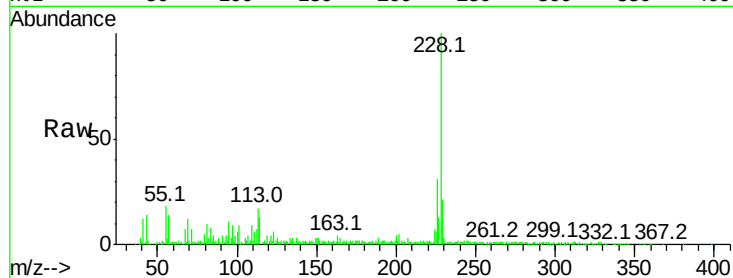
#82
Chrysene
Concen: 9.69 ng
RT: 13.93 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF096367.D
Acq: 1 Jul 2017 5:39

Instrument :
BNA_F
ClientSampleId :
B3-0-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.9	37.3
229	21.5	15.8	23.6

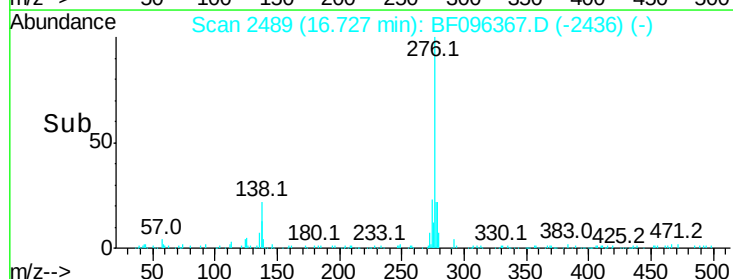
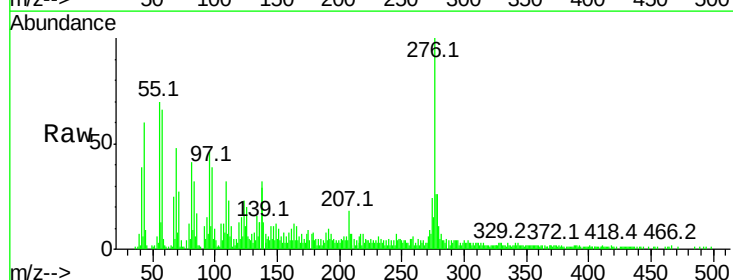
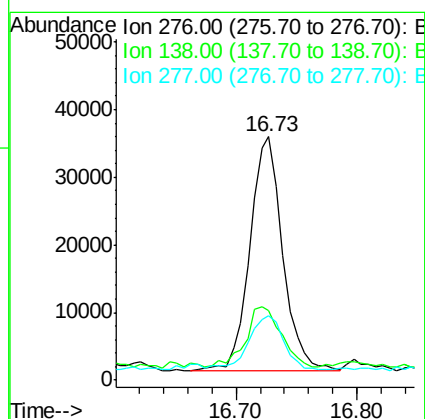
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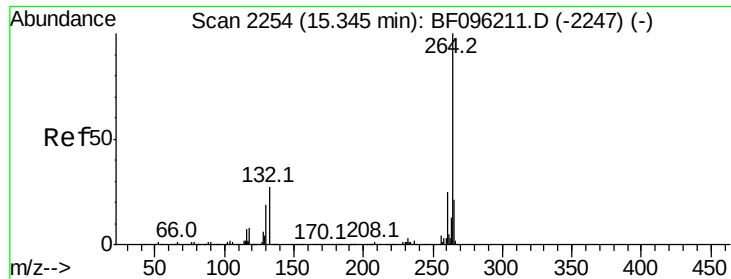
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#85
Indeno(1,2,3-cd)pyrene
Concen: 5.84 ng
RT: 16.73 min Scan# 2489
Delta R.T. 0.01 min
Lab File: BF096367.D
Acq: 1 Jul 2017 5:39

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.2	27.8	41.6#
277	24.2	20.2	30.4





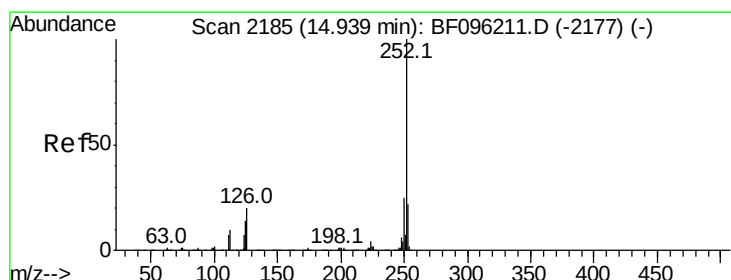
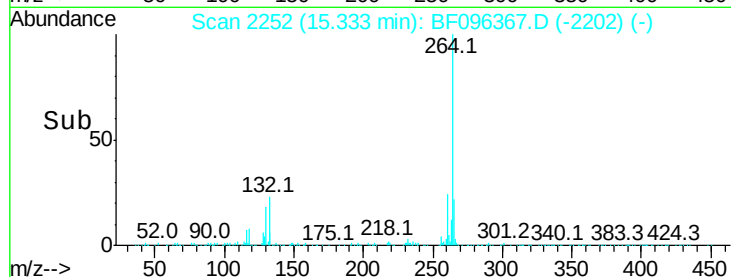
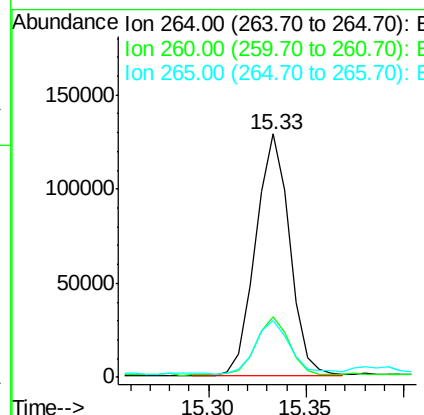
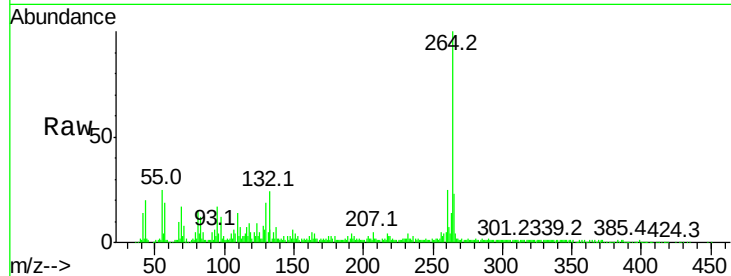
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.33 min Scan# 2252
Delta R.T. -0.01 min
Lab File: BF096367.D
Acq: 1 Jul 2017 5:39

Instrument :
BNA_F
ClientSampleId :
B3-0-2

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	25.1	19.5	29.3	
265	23.2	17.2	25.8	

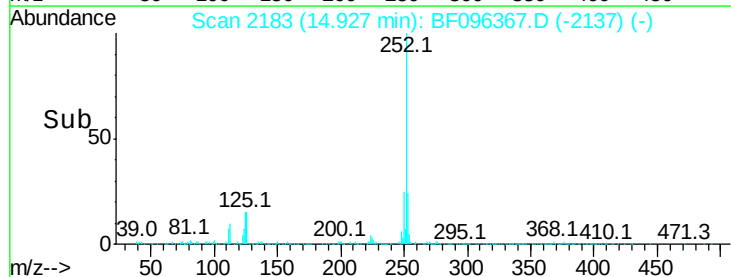
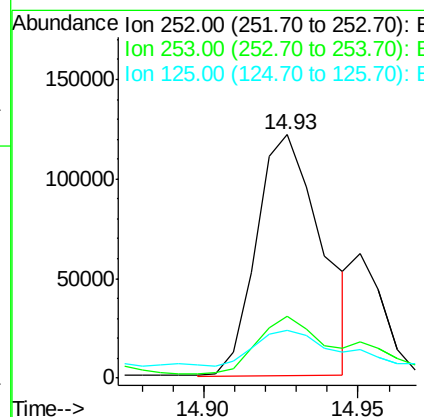
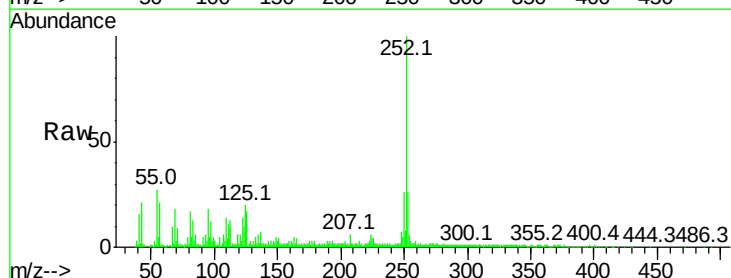
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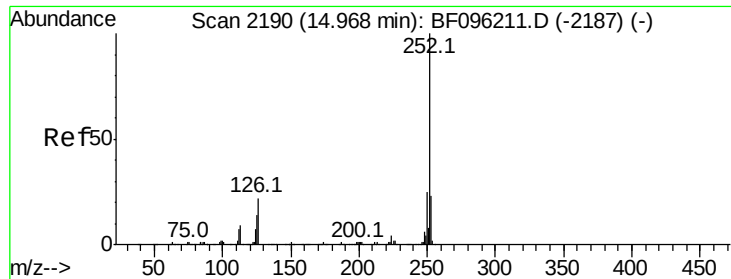
mohammad
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#87
Benzo(b)fluoranthene
Concen: 17.45 ng m
RT: 14.93 min Scan# 2183
Delta R.T. -0.03 min
Lab File: BF096367.D
Acq: 1 Jul 2017 5:39

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	25.5	18.1	27.1	
125	19.8	9.8	14.8	





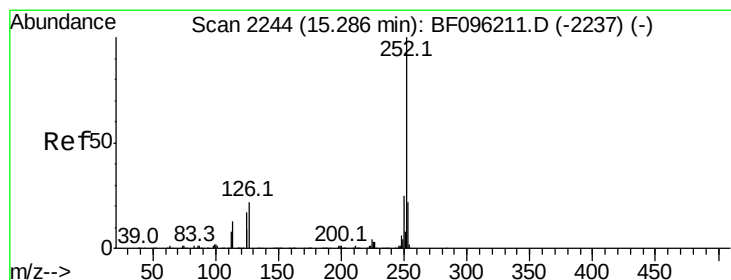
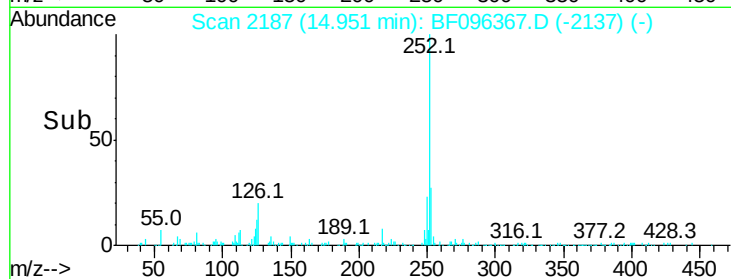
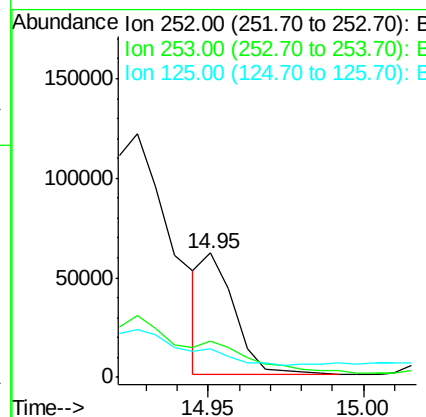
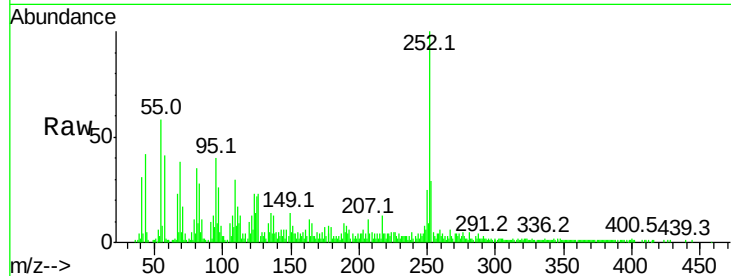
#88
Benzo(k)fluoranthene
Concen: 4.71 ng m
RT: 14.95 min Scan# 2187
Delta R.T. -0.01 min
Lab File: BF096367.D
Acq: 1 Jul 2017 5:39

Instrument :
BNA_F
ClientSampleId :
B3-0-2

Tot Ion	Ratio	Resp	Lower	Upper
252	100	43675		
253	29.3	18.4	27.6#	
125	22.5	13.1	19.7#	

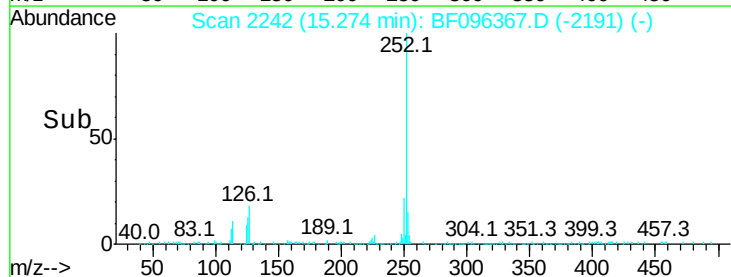
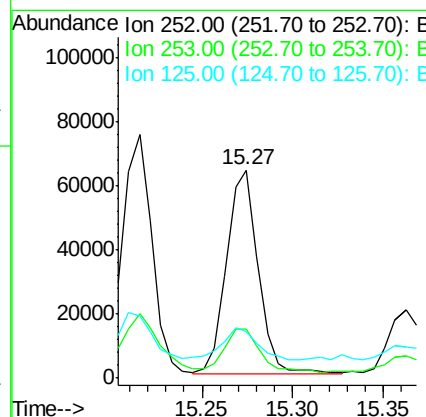
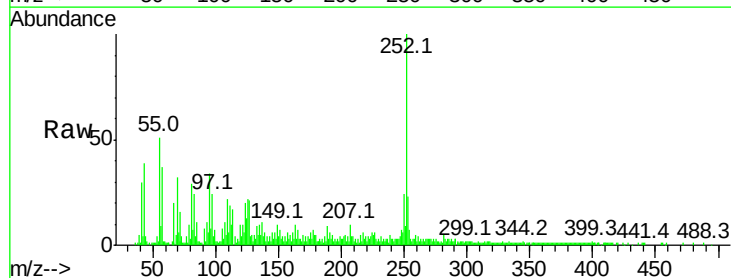
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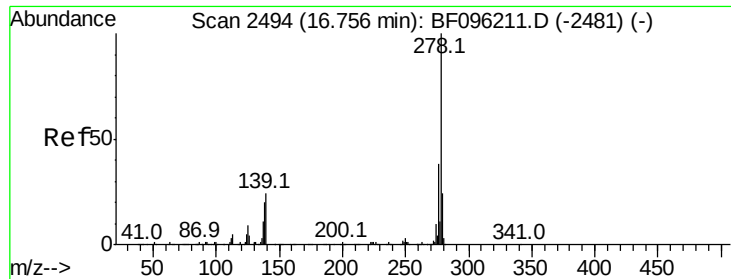
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#89
Benzo(a)pyrene
Concen: 8.60 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.00 min
Lab File: BF096367.D
Acq: 1 Jul 2017 5:39

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	77073		
253	23.5	17.5	26.3	
125	22.2	11.0	16.4#	





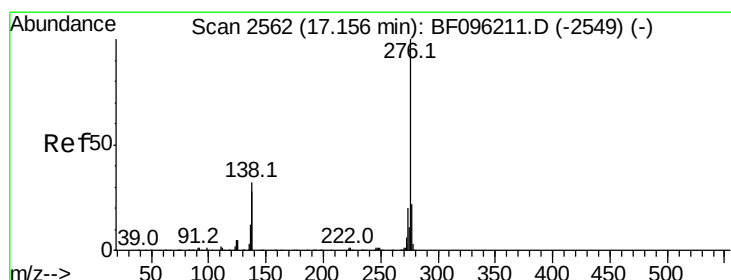
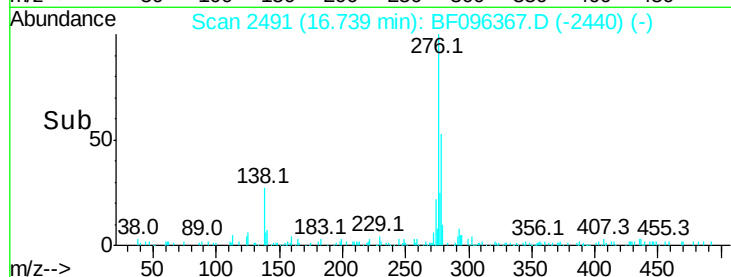
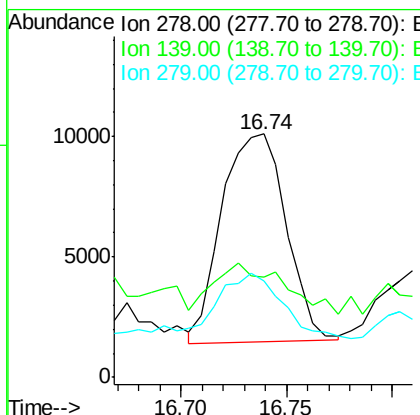
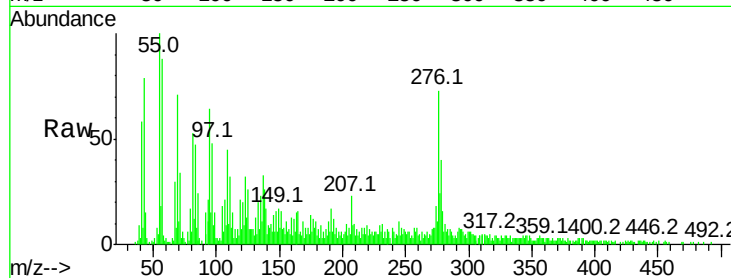
#90
Dibenzo(a,h)anthracene
Concen: 2.61 ng
RT: 16.74 min Scan# 2491
Delta R.T. -0.00 min
Lab File: BF096367.D
Acq: 1 Jul 2017 5:39

Instrument :
BNA_F
ClientSampleId :
B3-0-2

Tot Ion	Ratio	Lower	Upper
278	100		
139	41.3	16.6	24.8#
279	39.5	19.3	28.9#

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#91
Benzo(g,h,i)perylene
Concen: 8.09 ng
RT: 17.14 min Scan# 2560
Delta R.T. 0.01 min
Lab File: BF096367.D
Acq: 1 Jul 2017 5:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	18.6	28.0
138	29.8	25.4	38.0

