

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
 Data File : BF096270.D
 Acq On : 29 Jun 2017 1:50
 Operator : SJ/MA
 Sample : I3897-05
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 278

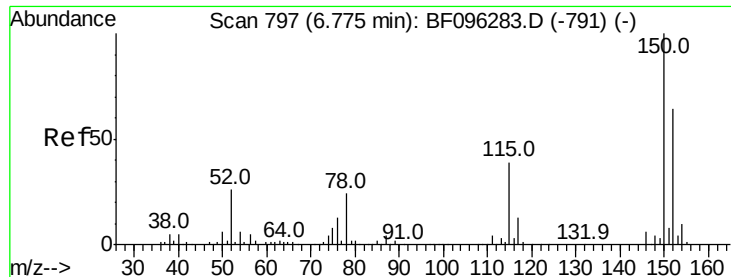
Manual Integrations
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Quant Time: Jun 29 05:49:25 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 15:41:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	135065	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	537687	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	211536	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	332612	20.00	ng	0.01
75) Chrysene-d12	13.93	240	290662	20.00	ng	0.01
86) Perylene-d12	15.36	264	224733	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1040919	111.03	ng	0.02
7) Phenol-d6	6.42	99	1242216	109.43	ng	0.02
23) Nitrobenzene-d5	7.34	82	702291	90.42	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	224030	134.57	ng	0.01
44) 2-Fluorobiphenyl	9.14	172	1090510	94.41	ng	-0.01
78) Terphenyl-d14	12.88	244	828413	71.12	ng	0.01
Target Compounds						
32) Benzoic acid	7.77	122	21669m	11.92	ng	Qvalue
49) Dimethylphthalate	9.53	163	546735	36.12	ng	100
70) Phenanthrene	11.32	178	251245	8.91	ng	98
71) Anthracene	11.37	178	56514	3.04	ng	97
74) Fluoranthene	12.50	202	356894	19.32	ng	94
77) Pyrene	12.73	202	336976	14.11	ng	98
80) Benzo(a)anthracene	13.92	228	181587	10.25	ng	97
82) Chrysene	13.95	228	181756	9.92	ng	98
85) Indeno(1,2,3-cd)pyrene	16.75	276	73923	4.86	ng	94
87) Benzo(b)fluoranthene	14.94	252	191458m	12.97	ng	
88) Benzo(k)fluoranthene	14.97	252	66663m	4.95	ng	
89) Benzo(a)pyrene	15.29	252	128201	9.83	ng	# 93
90) Dibenzo(a,h)anthracene	16.76	278	21014	2.06	ng	# 76
91) Benzo(g,h,i)perylene	17.17	276	72254	6.81	ng	96

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



#1

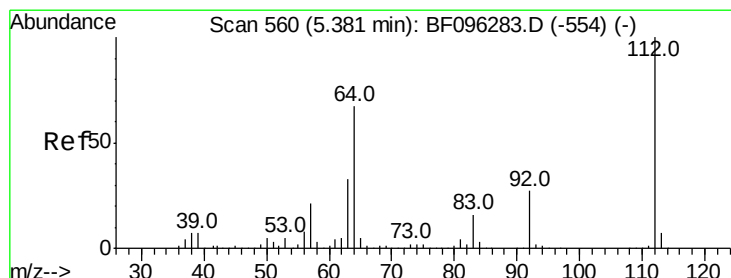
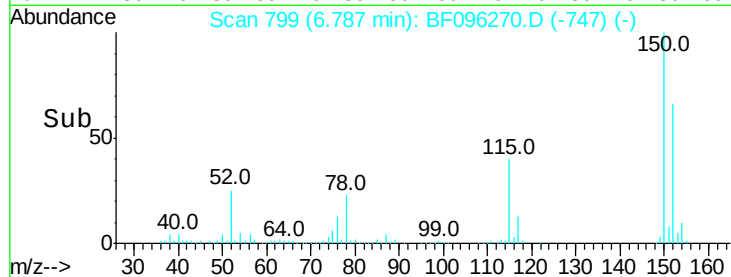
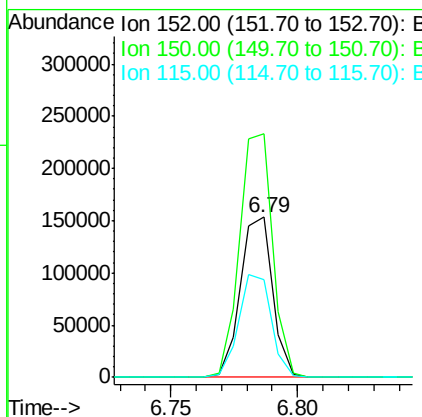
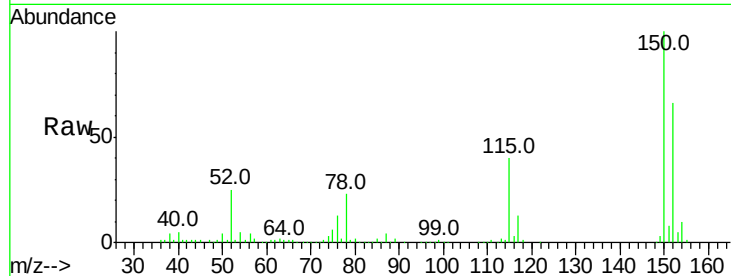
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.01 min
Lab File: BF096270.D
Acq: 29 Jun 2017 1:50

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	152.1	126.2	189.2
115	61.4	52.2	78.2

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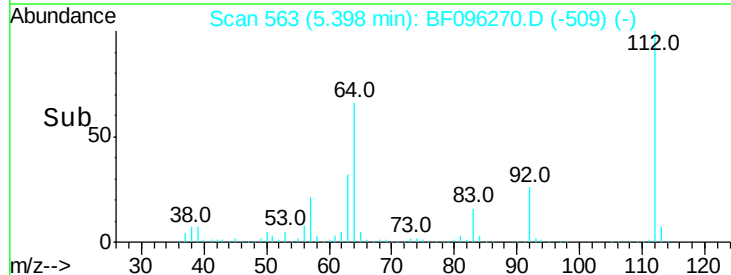
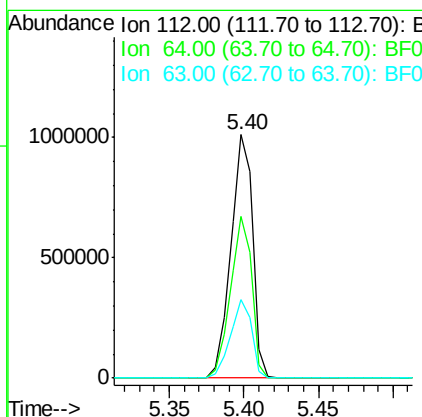
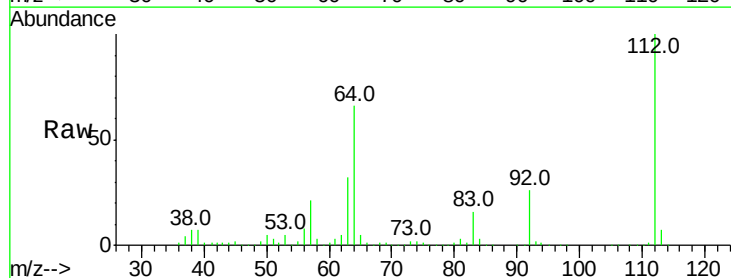
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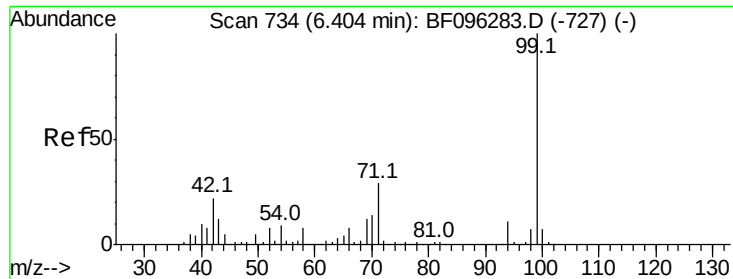


#5

2-Fluorophenol
Concen: 111.03 ng
RT: 5.40 min Scan# 563
Delta R.T. 0.02 min
Lab File: BF096270.D
Acq: 29 Jun 2017 1:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.4	46.0	69.0
63	32.5	23.4	35.0





#7

Phenol-d6

Concen: 109.43 ng

RT: 6.42 min Scan# 736

Delta R.T. 0.02 min

Lab File: BF096270.D

Acq: 29 Jun 2017 1:50

Instrument :

BNA_F

ClientSampleId :

278

Tot Ion: 99 Resp: 1242216

Ion Ratio Lower Upper

99 100

42 21.5 13.5 20.3#

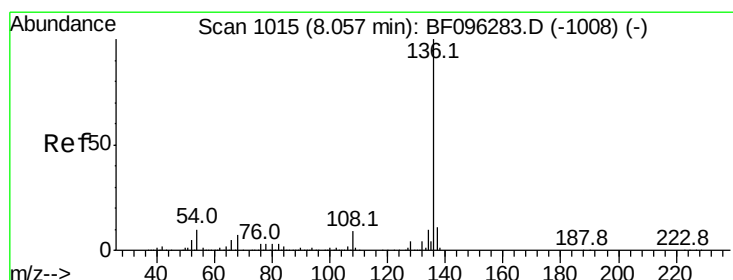
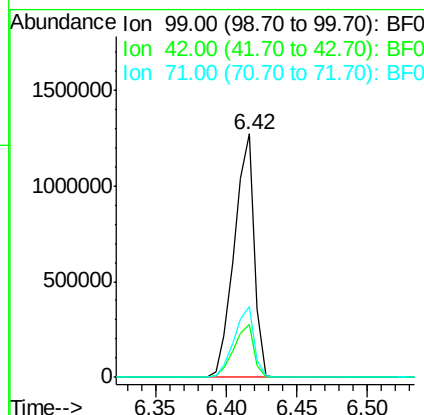
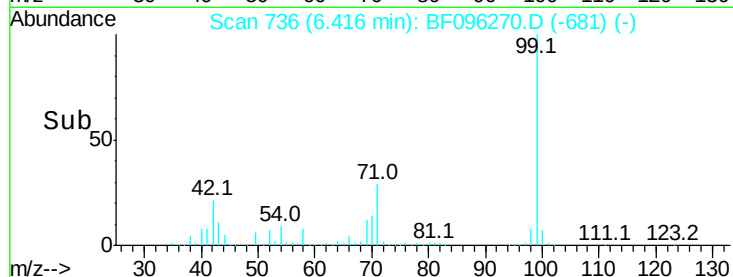
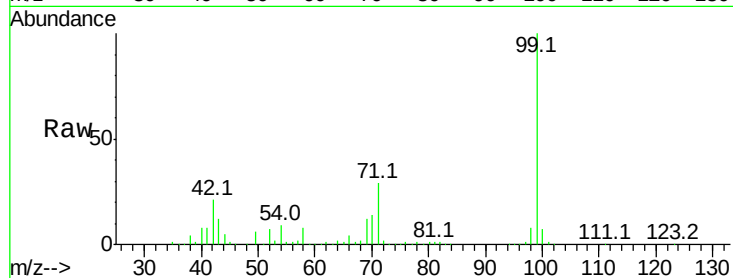
71 29.2 24.5 36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 1016

Delta R.T. 0.01 min

Lab File: BF096270.D

Acq: 29 Jun 2017 1:50

Tgt Ion: 136 Resp: 537687

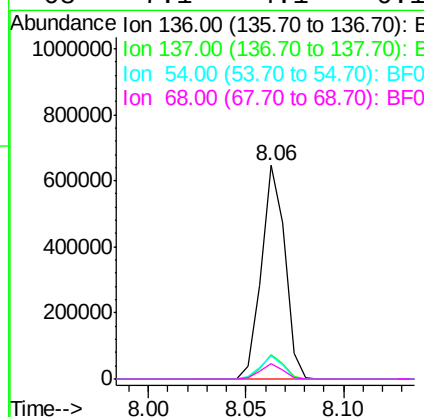
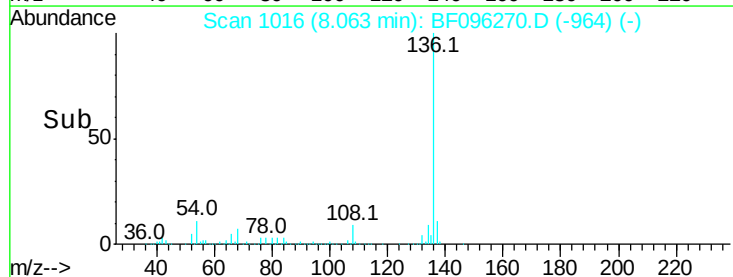
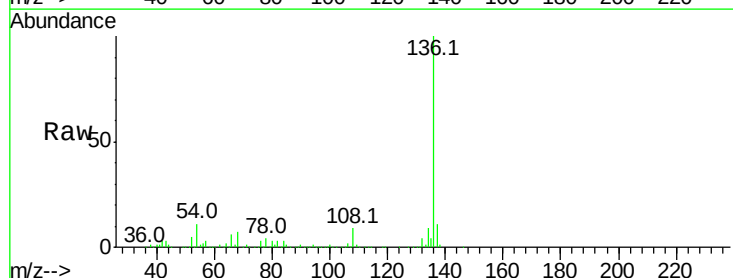
Ion Ratio Lower Upper

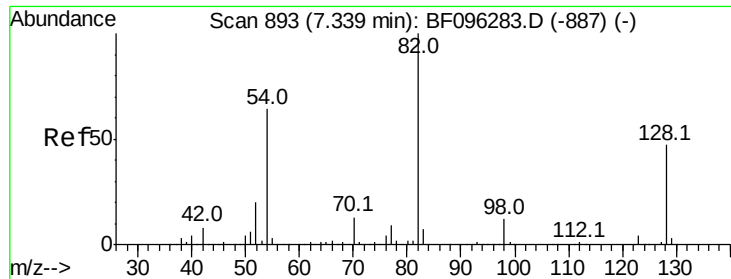
136 100

137 11.2 8.5 12.7

54 10.9 4.9 7.3#

68 7.1 4.1 6.1#





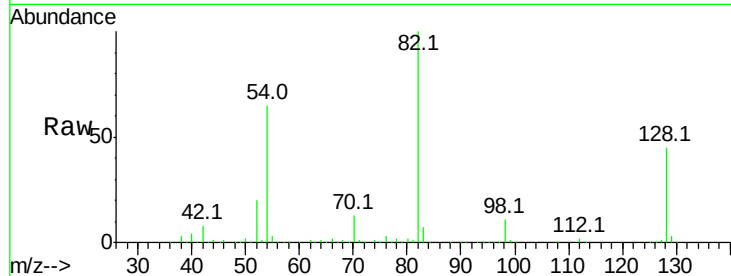
#23
Nitrobenzene-d5
Concen: 90.42 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.02 min
Lab File: BF096270.D
Acq: 29 Jun 2017 1:50

Instrument :
BNA_F
ClientSampled :
278

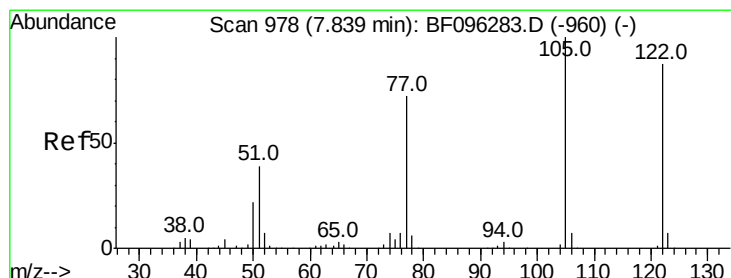
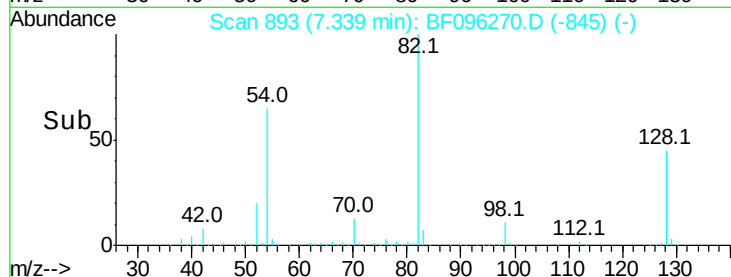
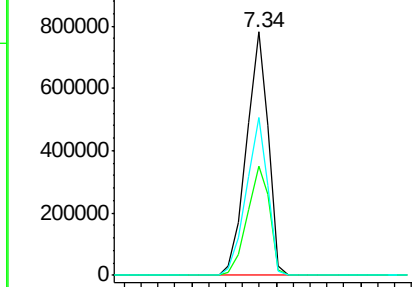
Tot Ion	Ratio	Resp Lower	Upper
82	100		
128	44.6	34.0	51.0
54	64.9	42.2	63.2

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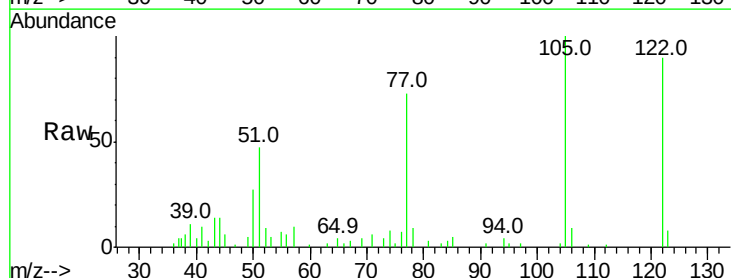


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

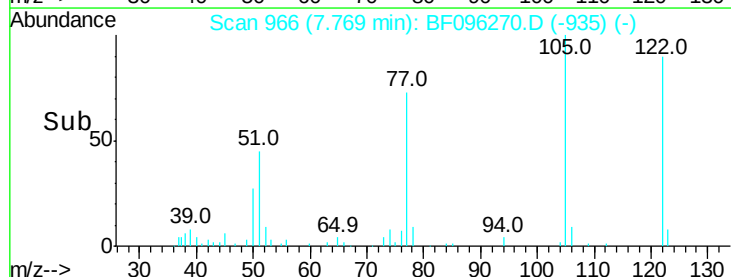
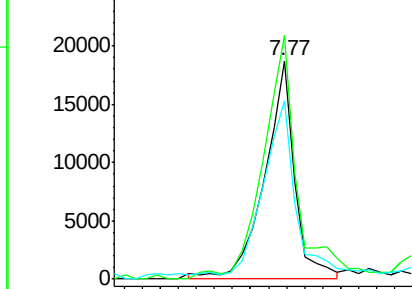


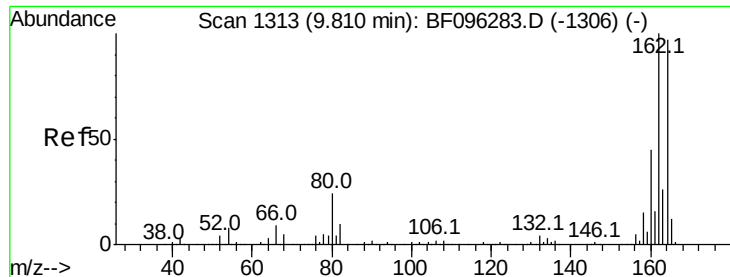
#32
Benzoic acid
Concen: 11.92 ng m
RT: 7.77 min Scan# 966
Delta R.T. -0.12 min
Lab File: BF096270.D
Acq: 29 Jun 2017 1:50

Tgt Ion	Ratio	Resp Lower	Upper
122	100		
105	111.4	103.3	143.3
77	81.5	73.7	113.7



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0





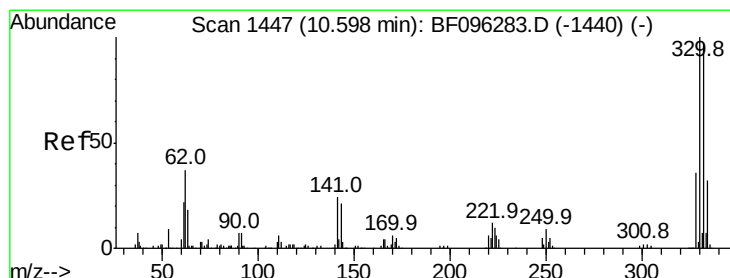
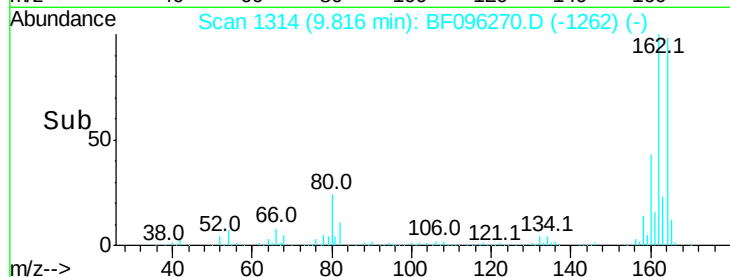
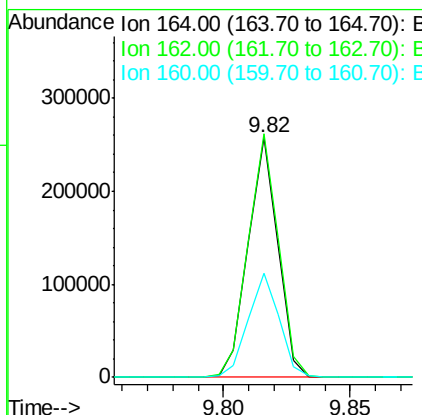
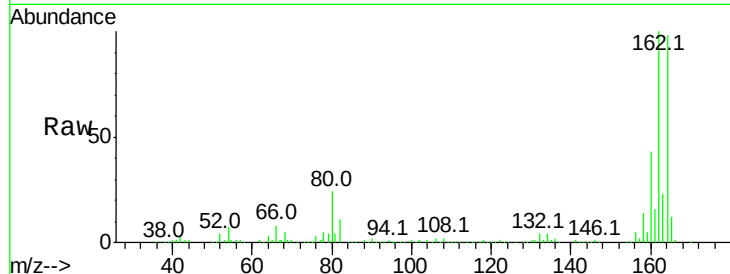
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.82 min Scan# 1314
Delta R.T. 0.01 min
Lab File: BF096270.D
Acq: 29 Jun 2017 1:50

Instrument :
BNA_F
ClientSampleId :
278

Tot Ion	Ratio	Resp	Lower	Upper
164	100	211536		
162	101.6	82.6	123.8	
160	43.2	36.2	54.2	

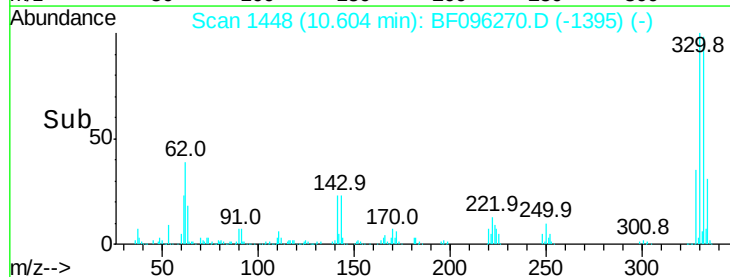
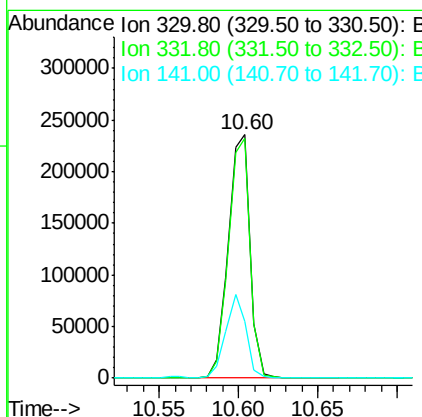
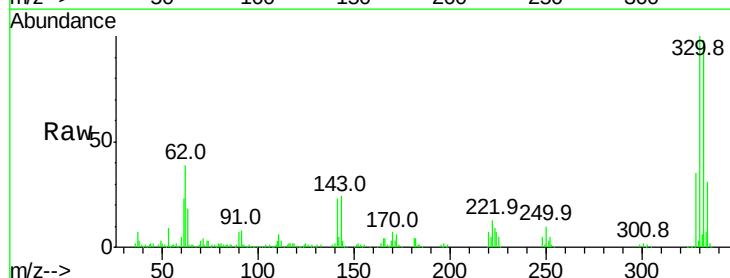
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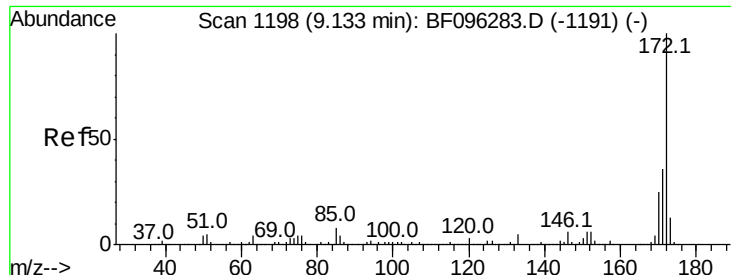
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#41
2,4,6-Tribromophenol
Concen: 134.57 ng
RT: 10.60 min Scan# 1448
Delta R.T. 0.01 min
Lab File: BF096270.D
Acq: 29 Jun 2017 1:50

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	224030		
332	97.9	76.6	115.0	
141	31.9	31.4	47.2	





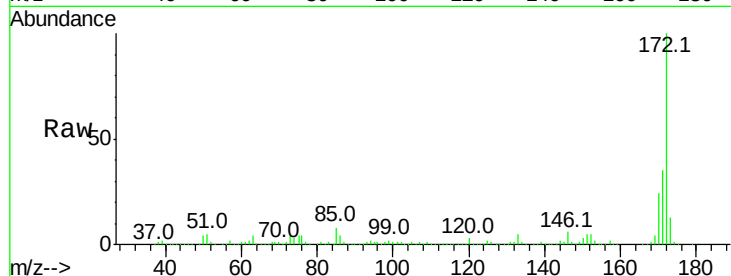
#44
2-Fluorobiphenyl
Concen: 94.41 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF096270.D
Acq: 29 Jun 2017 1:50

Instrument :
BNA_F
ClientSampleId :
278

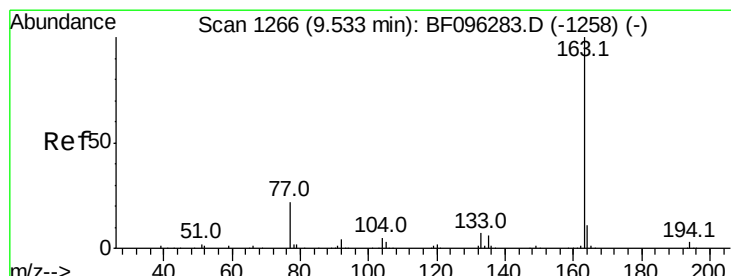
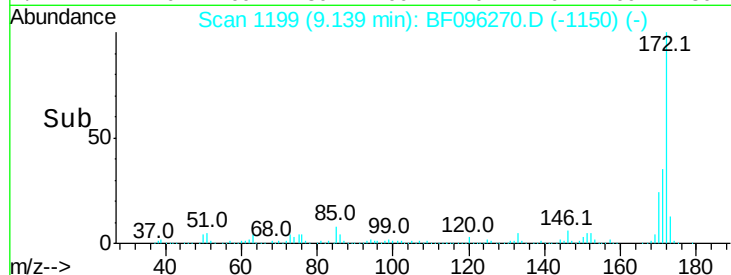
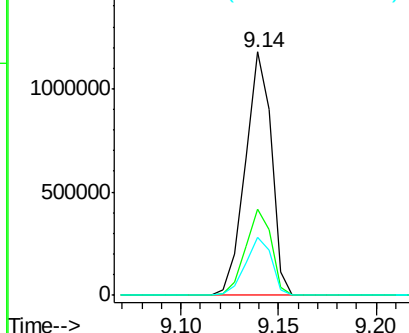
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.6	44.4
170	23.8	19.8	29.8

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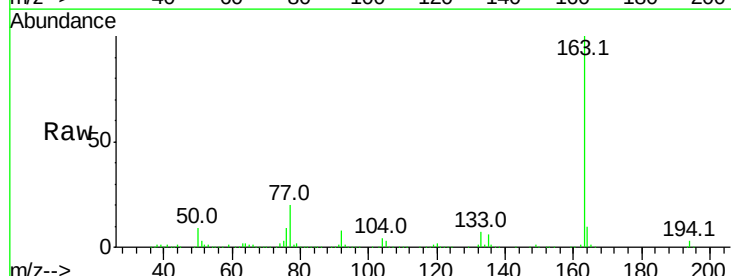


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

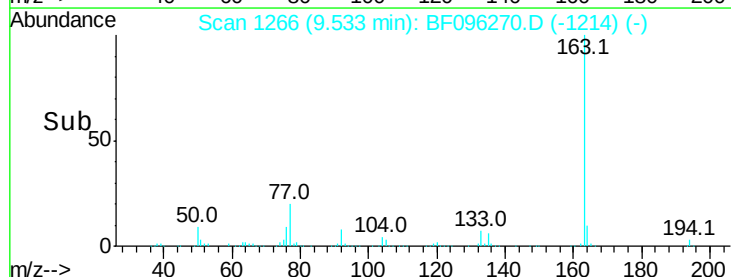
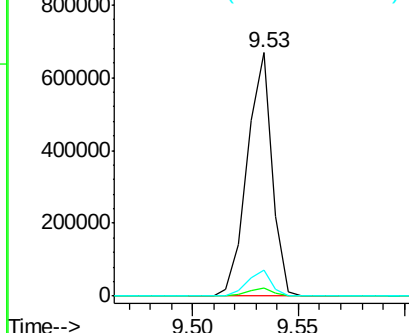


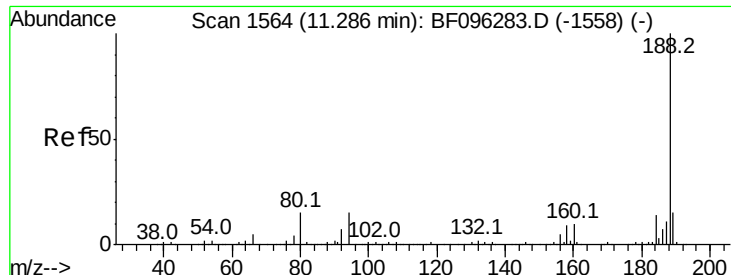
#49
Dimethylphthalate
Concen: 36.12 ng
RT: 9.53 min Scan# 1266
Delta R.T. 0.01 min
Lab File: BF096270.D
Acq: 29 Jun 2017 1:50

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.6	4.0
164	10.5	8.4	12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.30 min Scan# 1566

Delta R.T. 0.01 min

Lab File: BF096270.D

Acq: 29 Jun 2017 1:50

Instrument :

BNA_F

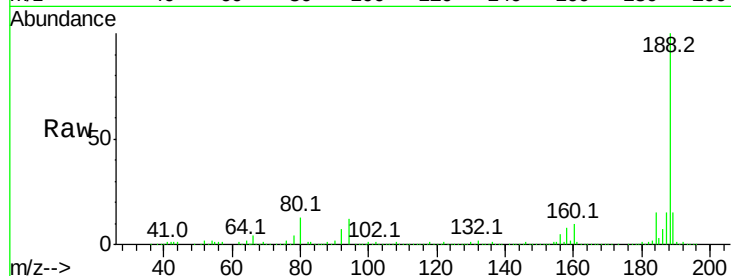
ClientSampleId :

278

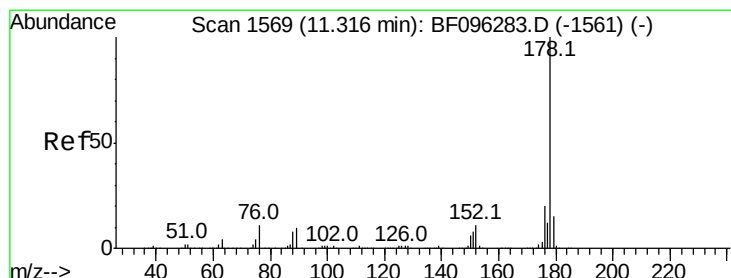
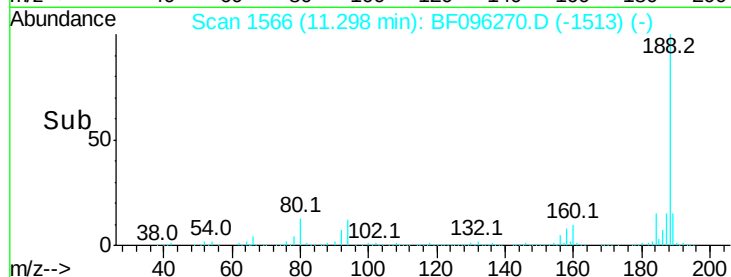
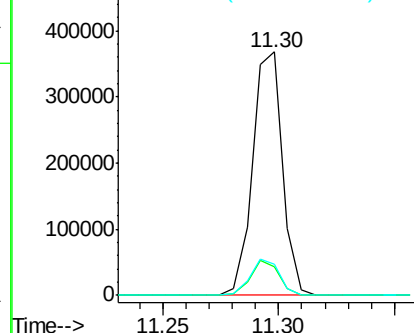
Tot Ion:	188	Resp:	332612
Ion Ratio	Lower	Upper	
188	100		
94	11.8	9.4	14.2
80	12.9	10.2	15.2

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Abundance Ion 188.00 (187.70 to 188.70): E



#70

Phenanthrene

Concen: 8.91 ng

RT: 11.32 min Scan# 1570

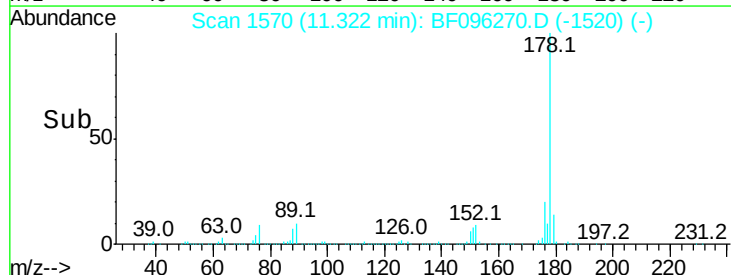
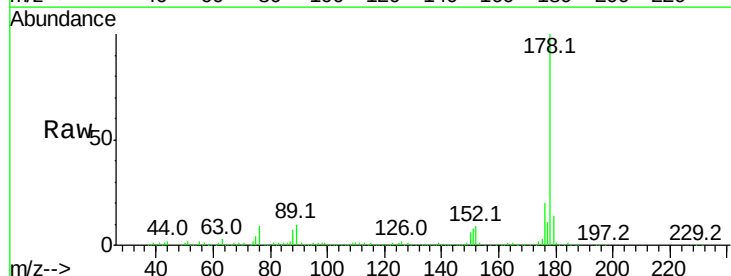
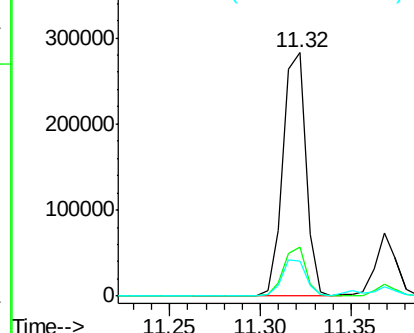
Delta R.T. -0.01 min

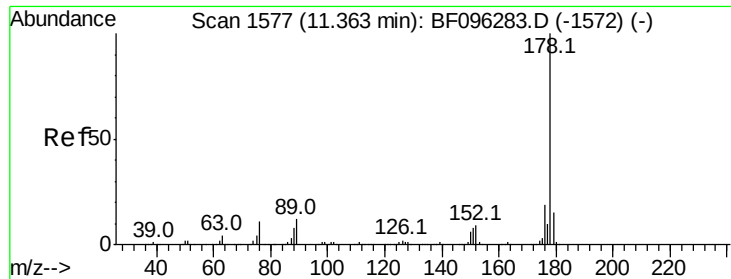
Lab File: BF096270.D

Acq: 29 Jun 2017 1:50

Tgt Ion:	178	Resp:	251245
Ion Ratio	Lower	Upper	
178	100		
176	20.0	16.2	24.4
179	14.3	12.6	19.0

Abundance Ion 178.00 (177.70 to 178.70): E





#71

Anthracene

Concen: 3.04 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.01 min

Lab File: BF096270.D

Acq: 29 Jun 2017 1:50

Instrument :

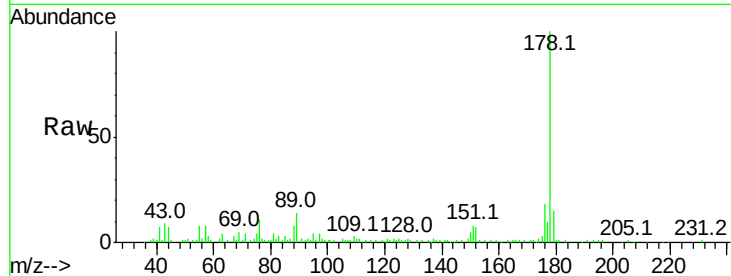
BNA_F

ClientSampleId :
278

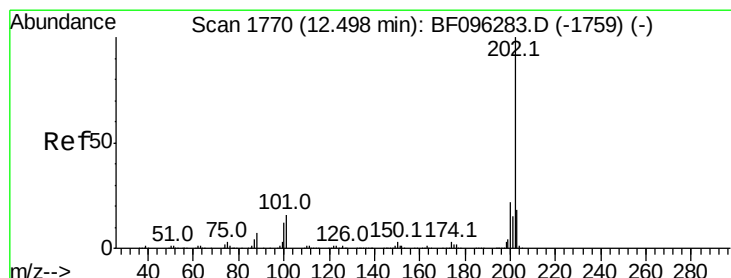
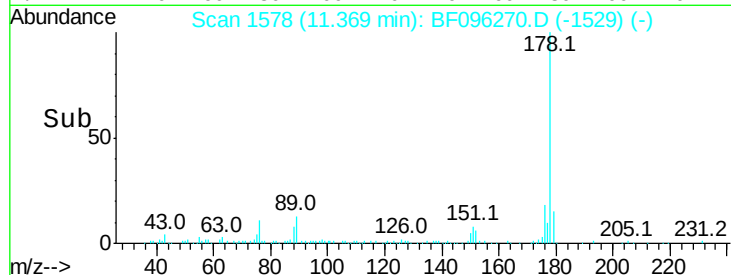
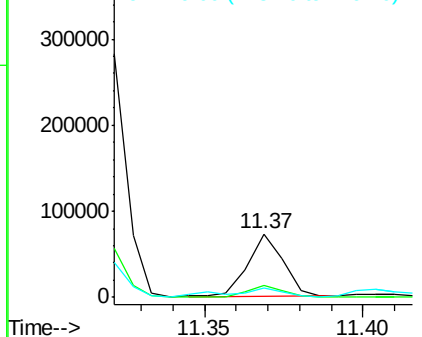
Tot Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.8	23.8
179	15.1	12.7	19.1

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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: 19.32 ng

RT: 12.50 min Scan# 1771

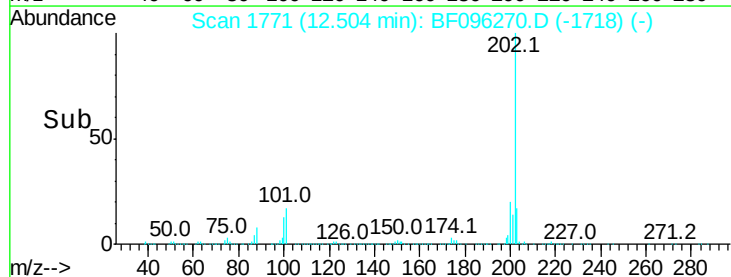
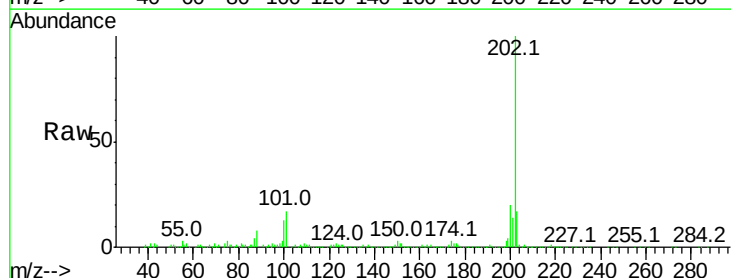
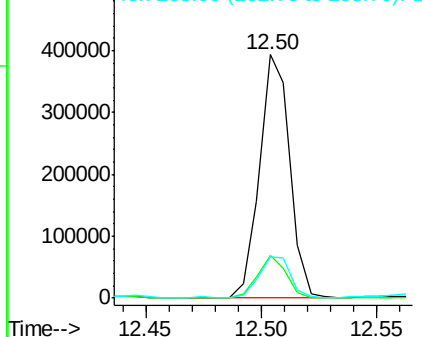
Delta R.T. 0.01 min

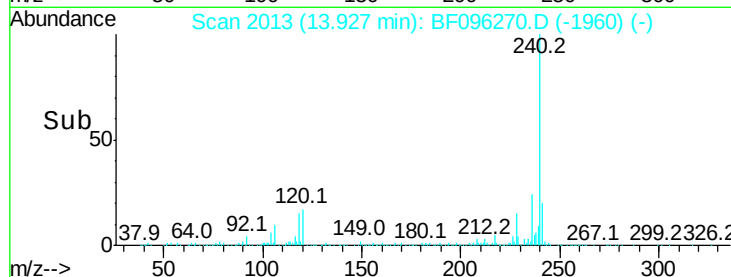
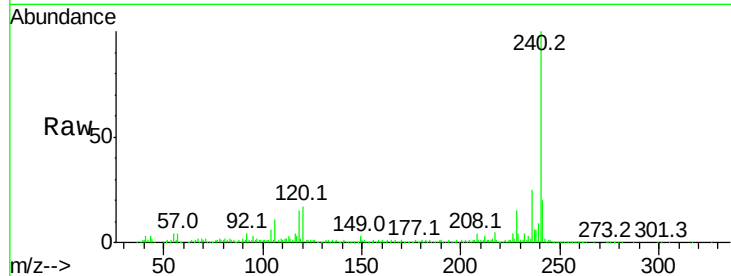
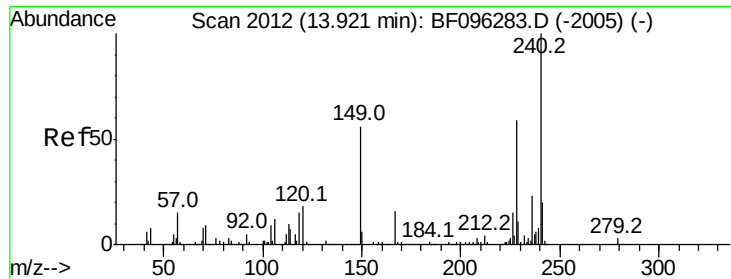
Lab File: BF096270.D

Acq: 29 Jun 2017 1:50

Tgt Ion	Ratio	Lower	Upper
202	100		
101	17.4	0.0	33.2
203	17.2	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: 13.93 min Scan# 2013

Delta R.T. 0.01 min

Lab File: BF096270.D

Acq: 29 Jun 2017 1:50

Instrument :

BNA_F

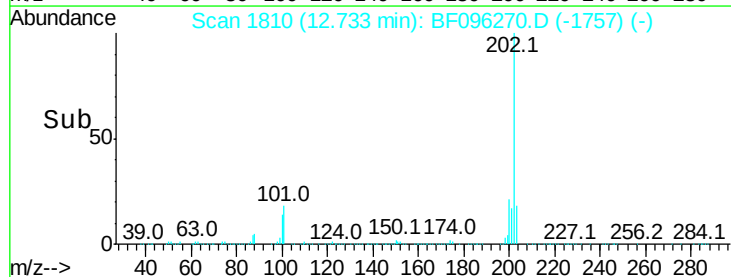
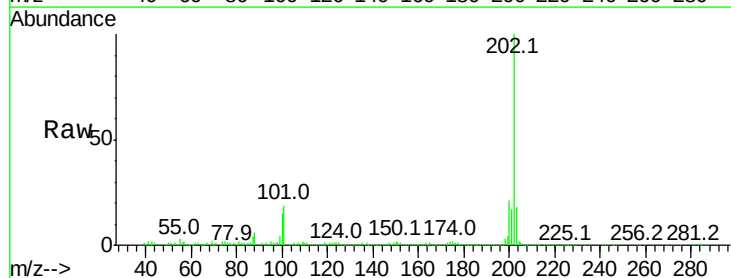
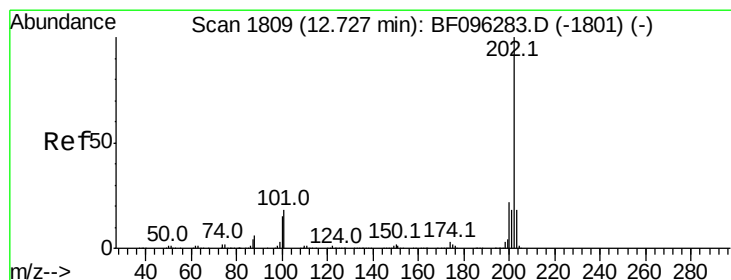
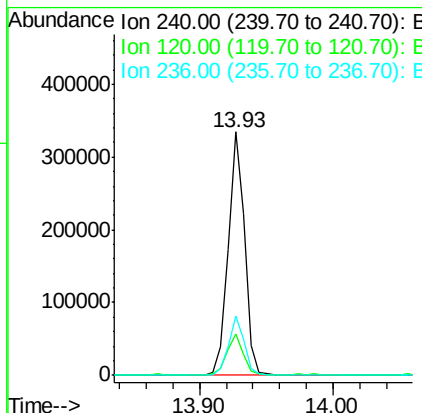
ClientSampleId :

278

Tot Ion	Ratio	Lower	Upper
240	100		
120	17.1	5.8	8.8#
236	24.6	20.5	30.7

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#77

Pyrene

Concen: 14.11 ng

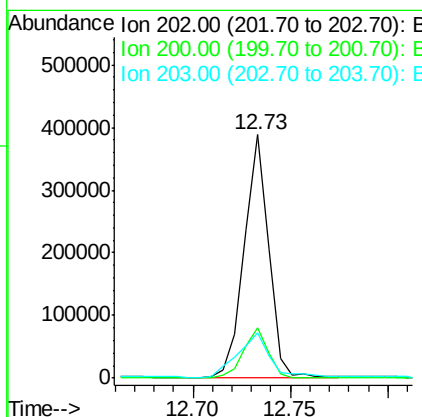
RT: 12.73 min Scan# 1810

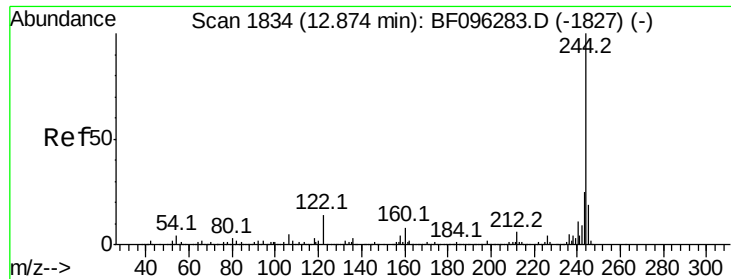
Delta R.T. 0.01 min

Lab File: BF096270.D

Acq: 29 Jun 2017 1:50

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.6	26.4
203	18.4	14.4	21.6





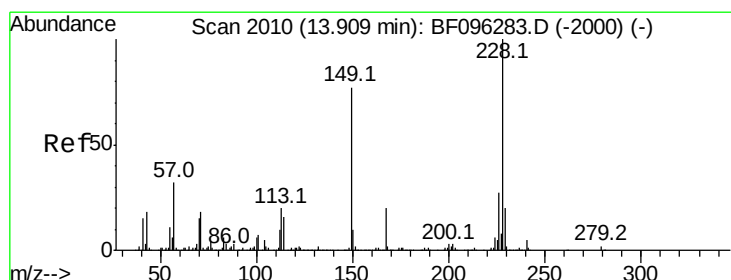
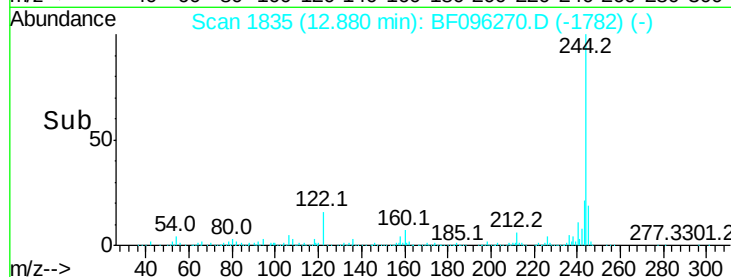
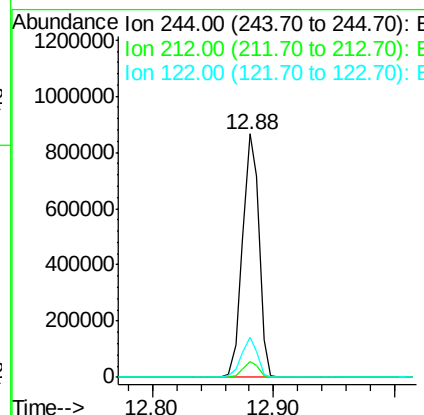
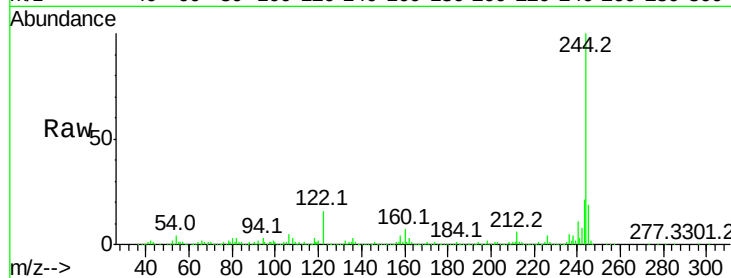
#78
 Terphenyl-d14
 Concen: 71.12 ng
 RT: 12.88 min Scan# 1835
 Delta R.T. 0.01 min
 Lab File: BF096270.D
 Acq: 29 Jun 2017 1:50

Instrument :
 BNA_F
 ClientSampled :
 278

Tot Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.4	6.0	9.0
122	16.3	10.3	15.5

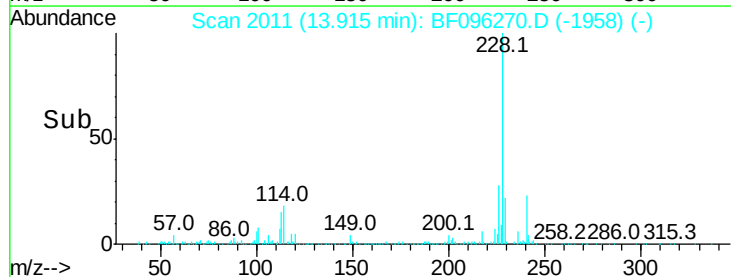
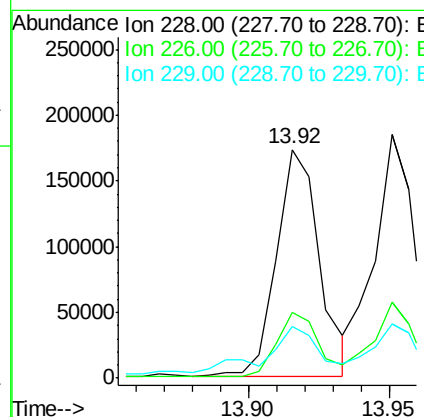
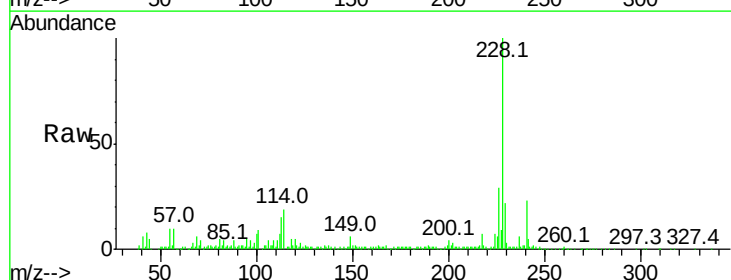
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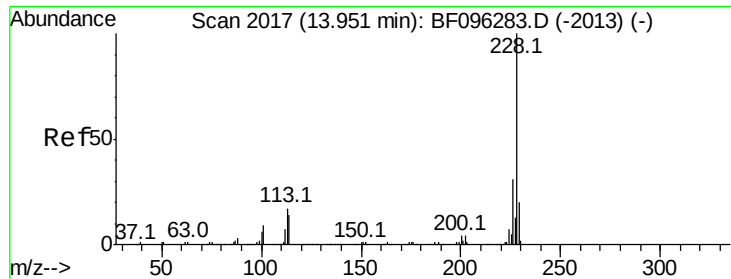
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#80
 Benzo(a)anthracene
 Concen: 10.25 ng
 RT: 13.92 min Scan# 2011
 Delta R.T. 0.01 min
 Lab File: BF096270.D
 Acq: 29 Jun 2017 1:50

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	28.9	22.6	33.8
229	22.3	16.3	24.5





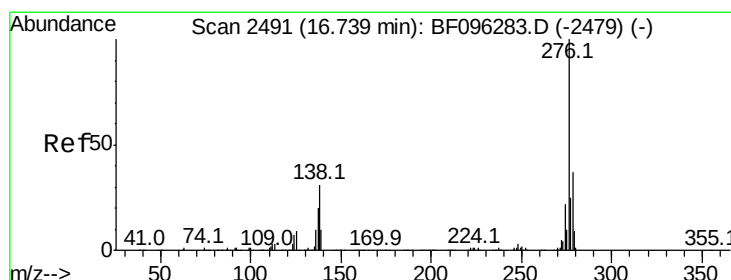
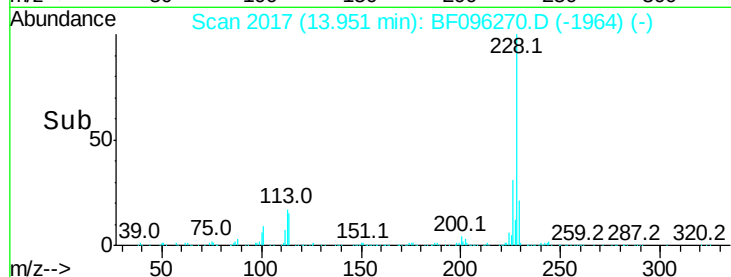
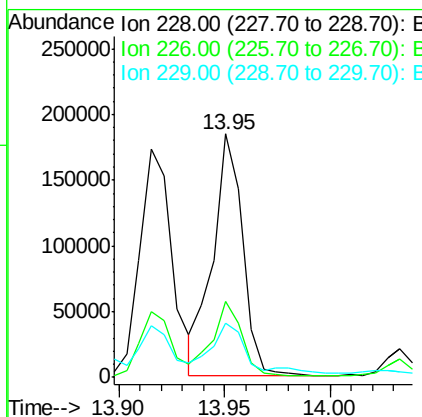
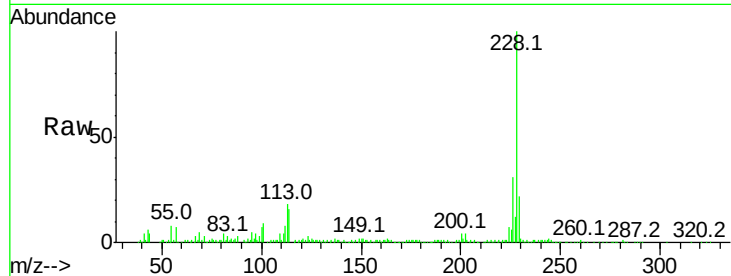
#82
Chrysene
Concen: 9.92 ng
RT: 13.95 min Scan# 2017
Delta R.T. 0.01 min
Lab File: BF096270.D
Acq: 29 Jun 2017 1:50

Instrument :
BNA_F
ClientSampled :
278

Tot Ion	Ratio	Resp Lower	Upper
228	100		
226	31.0	24.9	37.3
229	22.2	15.8	23.6

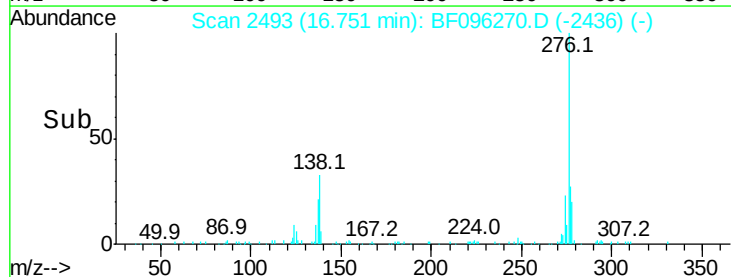
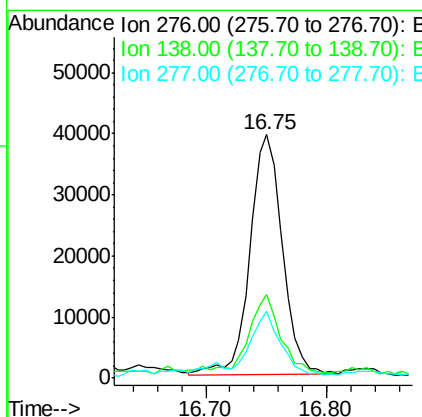
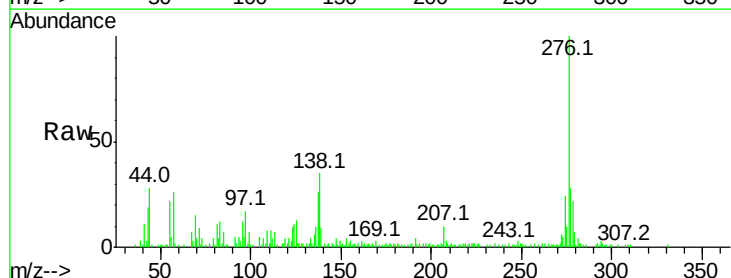
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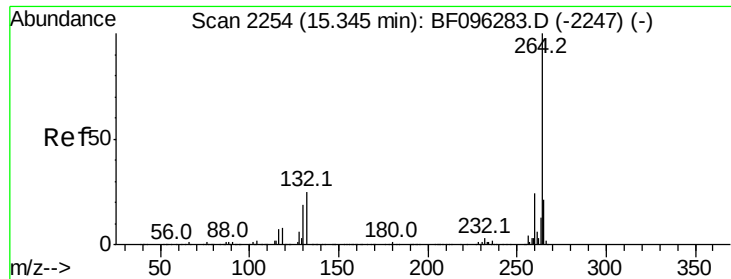
mohammad
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#85
Indeno(1,2,3-cd)pyrene
Concen: 4.86 ng
RT: 16.75 min Scan# 2493
Delta R.T. 0.04 min
Lab File: BF096270.D
Acq: 29 Jun 2017 1:50

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	29.5	27.8	41.6
277	23.8	20.2	30.4





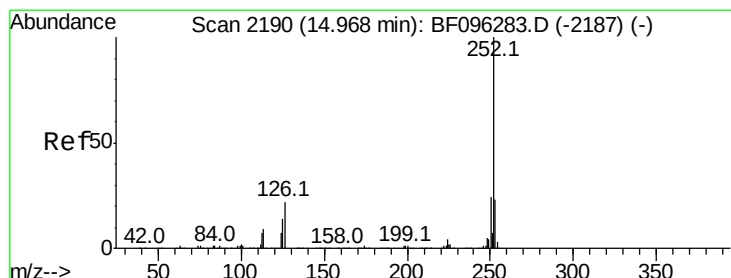
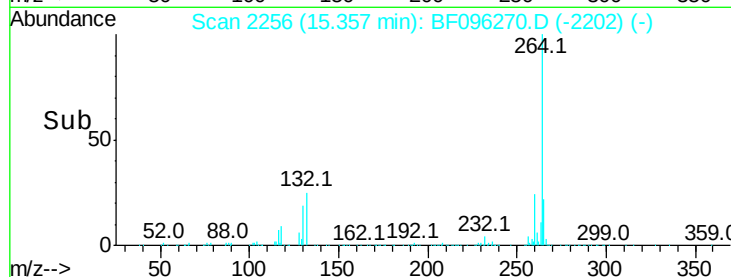
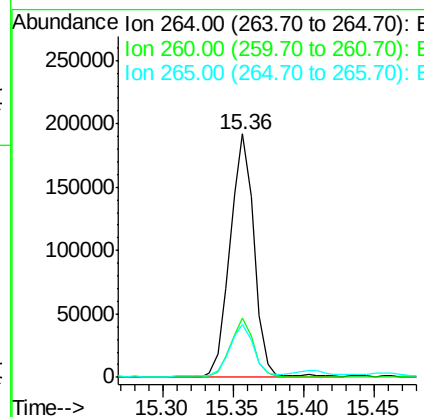
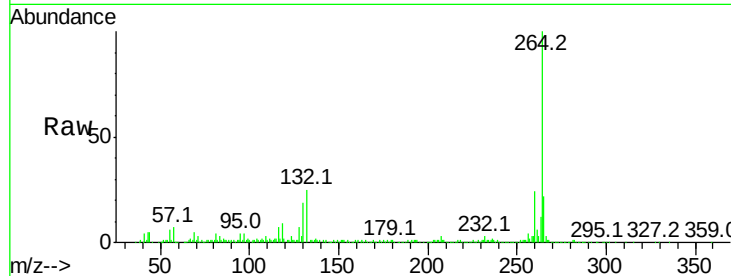
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 2256
Delta R.T. 0.02 min
Lab File: BF096270.D
Acq: 29 Jun 2017 1:50

Instrument :
BNA_F
ClientSampled :
278

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	21.9	17.2	25.8

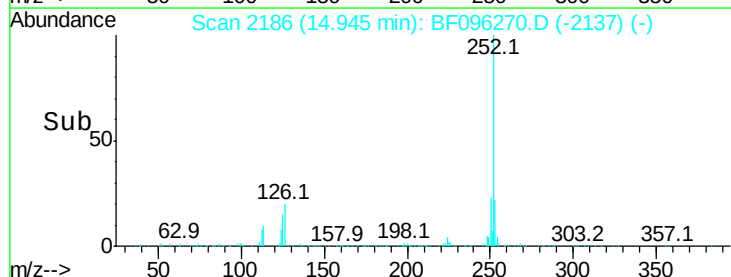
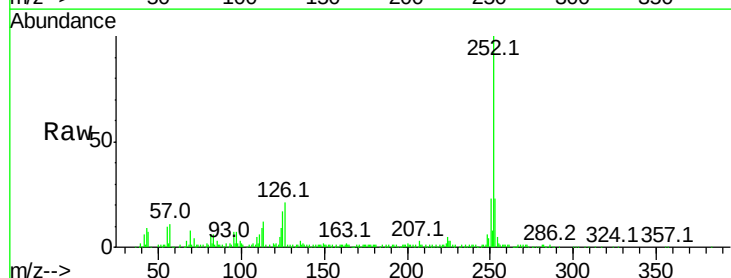
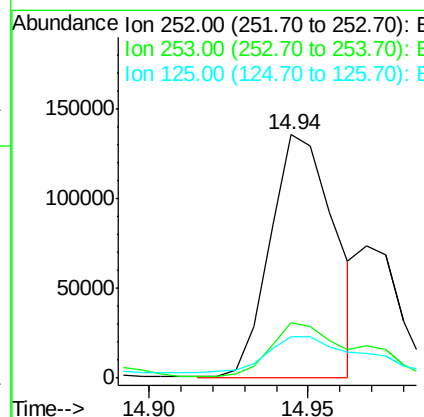
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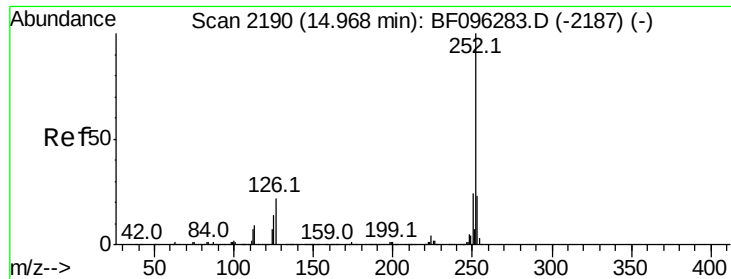
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#87
Benzo(b)fluoranthene
Concen: 12.97 ng m
RT: 14.94 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF096270.D
Acq: 29 Jun 2017 1:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	17.1	9.8	14.8





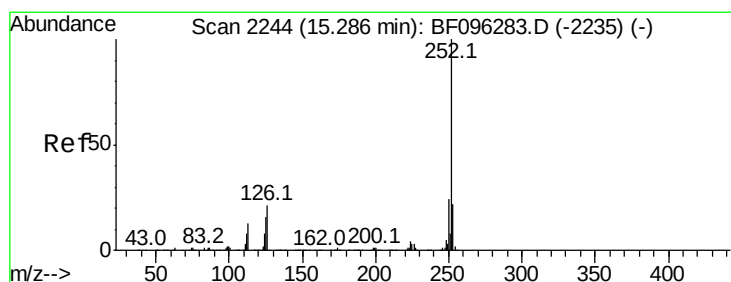
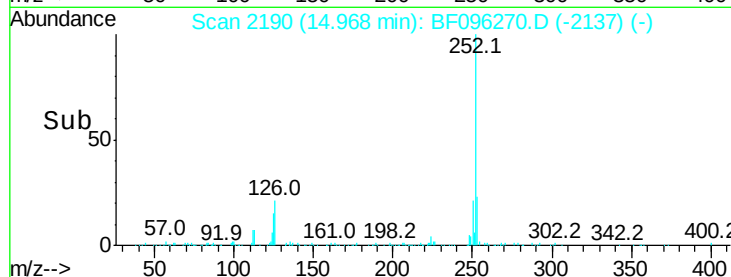
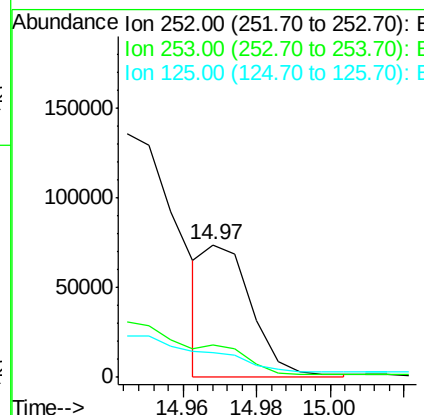
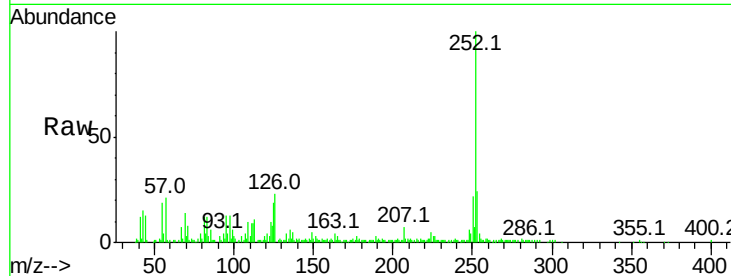
#88
Benzo(k)fluoranthene
Concen: 4.95 ng m
RT: 14.97 min Scan# 2190
Delta R.T. 0.01 min
Lab File: BF096270.D
Acq: 29 Jun 2017 1:50

Instrument :
BNA_F
ClientSampleId :
278

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.4	27.6
125	19.1	13.1	19.7

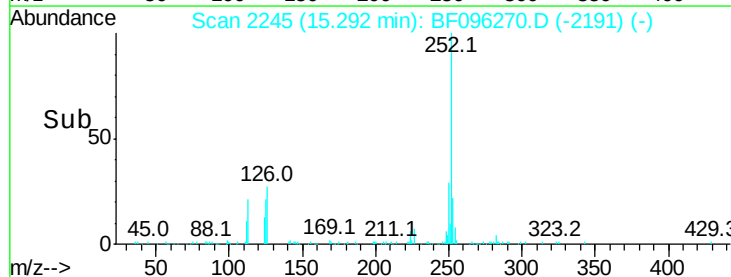
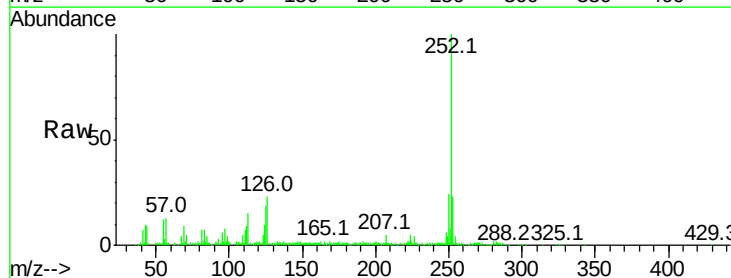
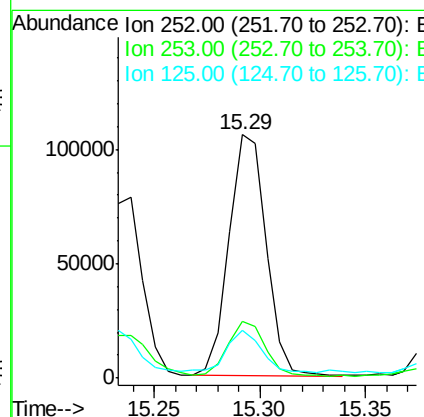
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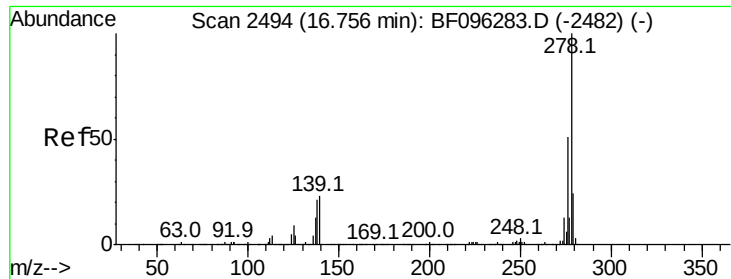
mohammad
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#89
Benzo(a)pyrene
Concen: 9.83 ng
RT: 15.29 min Scan# 2245
Delta R.T. 0.02 min
Lab File: BF096270.D
Acq: 29 Jun 2017 1:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	19.4	11.0	16.4





#90

Dibenzo(a,h)anthracene

Concen: 2.06 ng

RT: 16.76 min Scan# 2495

Delta R.T. 0.02 min

Lab File: BF096270.D

Acq: 29 Jun 2017 1:50

Instrument :

BNA_F

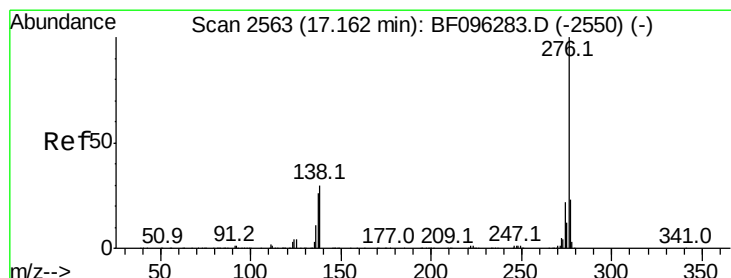
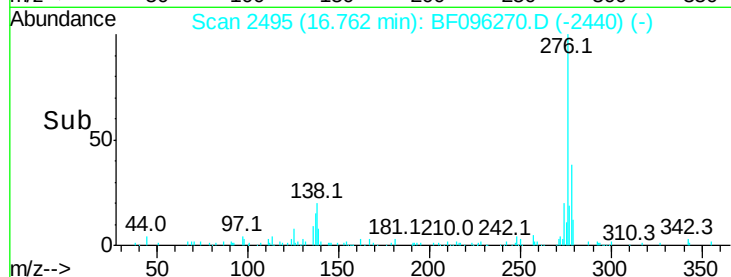
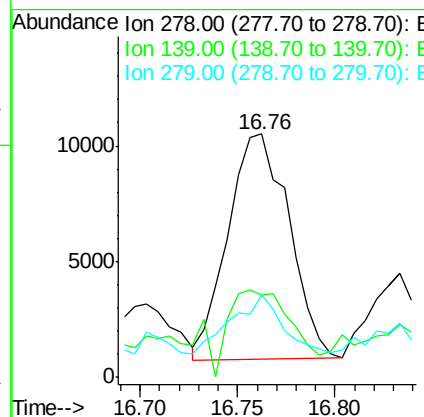
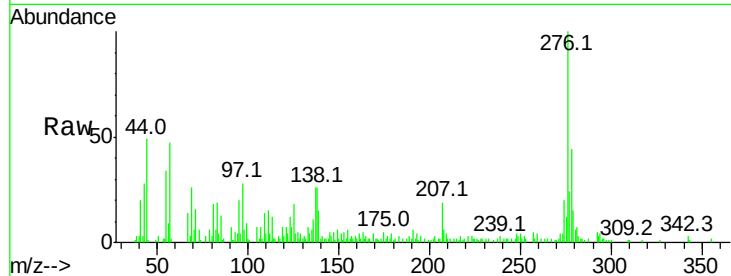
ClientSampled :

278

Tot Ion:	278	Resp:	21014
Ion Ratio	Lower	Upper	
278	100		
139	34.0	16.6	24.8#
279	33.6	19.3	28.9#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 6.81 ng

RT: 17.17 min Scan# 2564

Delta R.T. 0.04 min

Lab File: BF096270.D

Acq: 29 Jun 2017 1:50

Tgt Ion:	276	Resp:	72254
Ion Ratio	Lower	Upper	
276	100		
277	26.2	18.6	28.0
138	33.0	25.4	38.0

