

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062017\
 Data File : BF096051.D
 Acq On : 20 Jun 2017 18:38
 Operator : SJ/MA
 Sample : I3693-07 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-061417-C

Manual Integrations
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Quant Time: Jun 20 19:09:18 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 16:05:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.29	152	73925	20.00	ng	0.00
21) Naphthalene-d8	9.32	136	278120	20.00	ng	0.00
38) Acenaphthene-d10	12.14	164	106196	20.00	ng	0.00
63) Phenanthrene-d10	14.54	188	159281	20.00	ng	0.00
75) Chrysene-d12	18.27	240	144207	20.00	ng	0.00
86) Perylene-d12	19.94	264	105946	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	76073m	16.40	ng	0.05
7) Phenol-d6	6.91	99	98023m	17.65	ng	0.04
23) Nitrobenzene-d5	8.23	82	45933	10.26	ng	0.00
41) 2,4,6-Tribromophenol	13.46	330	11650	12.40	ng	0.00
44) 2-Fluorobiphenyl	11.10	172	108141	14.17	ng	0.00
78) Terphenyl-d14	16.92	244	69767	12.01	ng	-0.01

Target Compounds						Qvalue
48) Acenaphthylene	11.92	152	31098	2.66	ng	98
51) Acenaphthene	12.20	154	17097	2.53	ng	88
54) Dibenzofuran	12.50	168	21398	2.25	ng	98
57) Fluorene	13.04	166	41699	5.04	ng	92
70) Phenanthrene	14.57	178	227897	24.80	ng	96
71) Anthracene	14.67	178	70275	7.32	ng	97
74) Fluoranthene	16.36	202	284137	31.24	ng	99
77) Pyrene	16.67	202	276731	25.72	ng	97
80) Benzo(a)anthracene	18.26	228	148422	17.70	ng	94
82) Chrysene	18.30	228	132764	15.85	ng	98
85) Indeno(1,2,3-cd)pyrene	21.10	276	58373	8.14	ng	# 91
87) Benzo(b)fluoranthene	19.54	252	158796m	23.94	ng	
88) Benzo(k)fluoranthene	19.57	252	51107m	8.06	ng	
89) Benzo(a)pyrene	19.89	252	110651	18.15	ng	96
90) Dibenzo(a,h)anthracene	21.10	278	23962	4.63	ng	# 87
91) Benzo(g,h,i)perylene	21.43	276	55483	10.52	ng	94

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

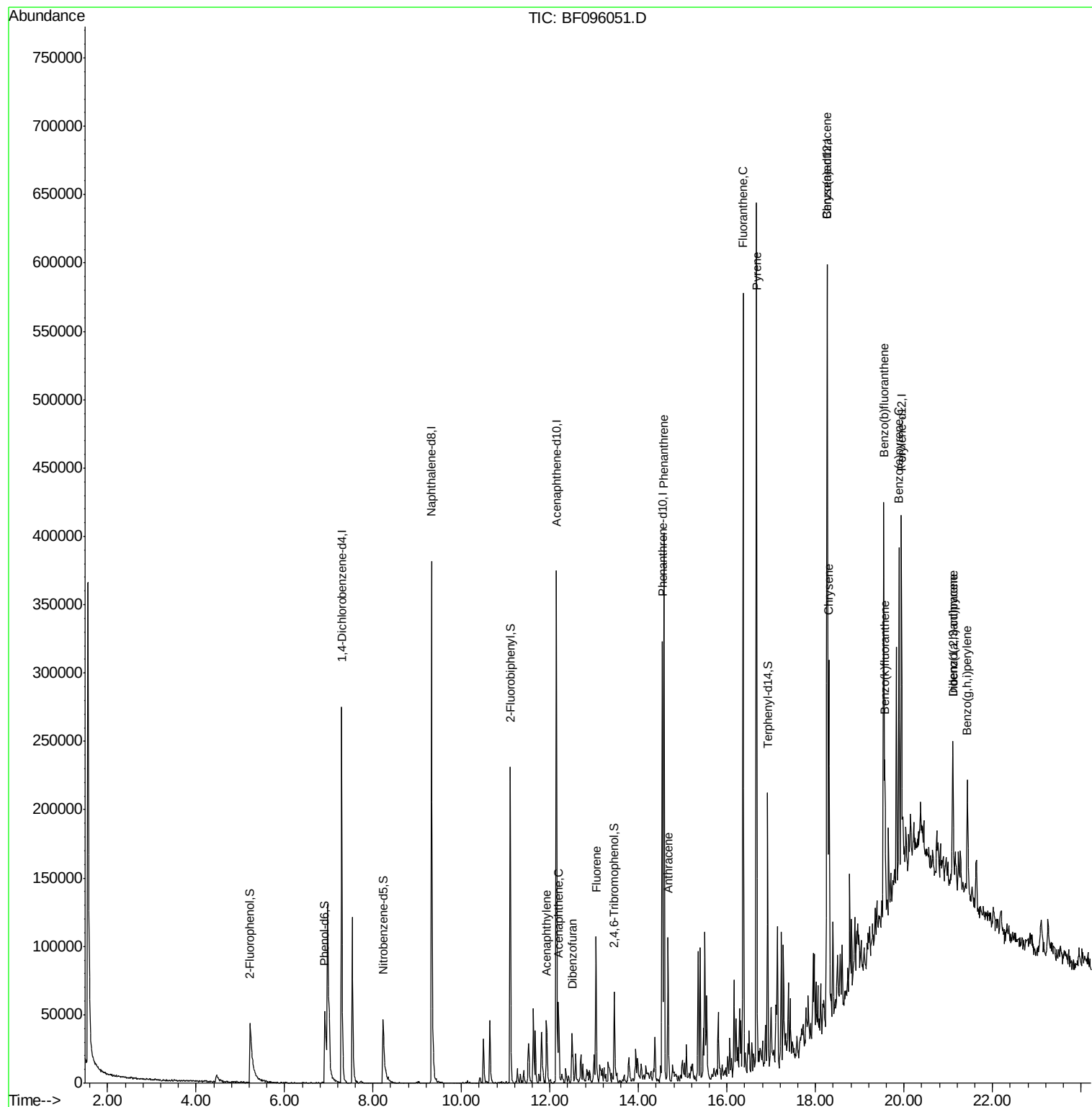
Data Path : Z:\HPCHEM1\BNA F\DATA\BF062017\
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ALS Vial : 10 Sample Multiplier: 1

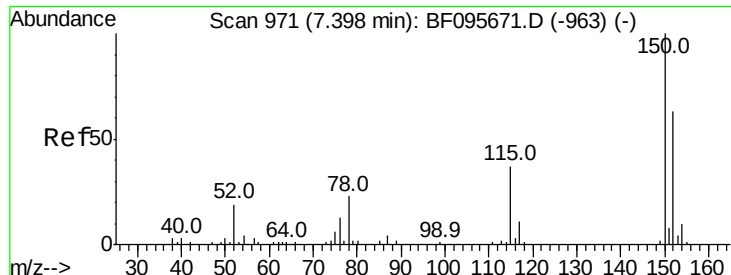
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
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#1

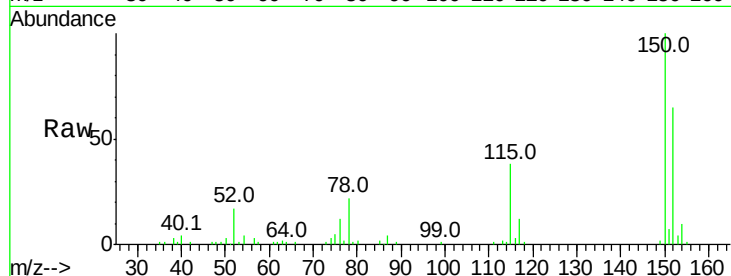
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.29 min Scan# 987
Delta R.T. -0.00 min
Lab File: BF096051.D
Acq: 20 Jun 2017 18:38

Instrument :
BNA_F
ClientSampleId :
PL-01-061417-C

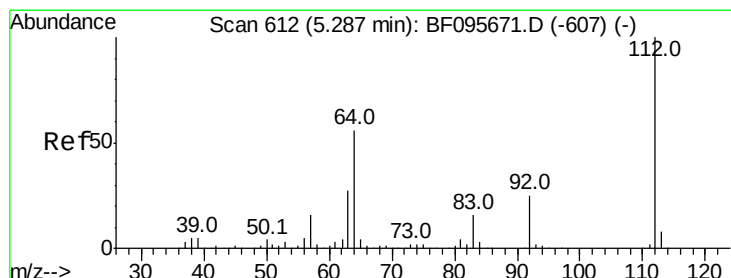
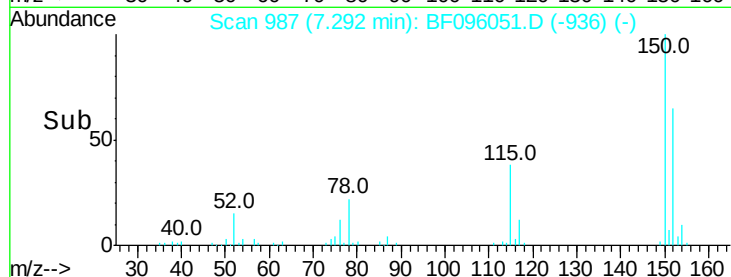
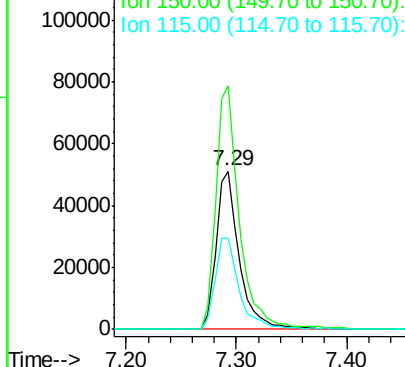
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	126.2	189.2
115	58.0	52.2	78.2

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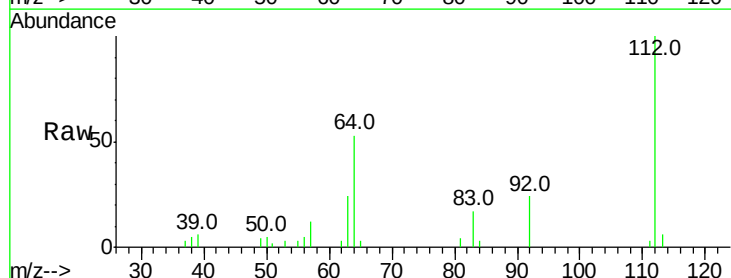
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



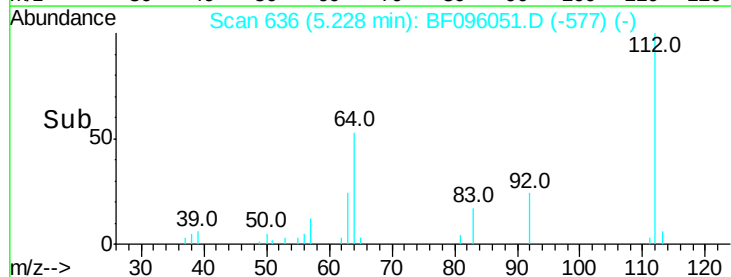
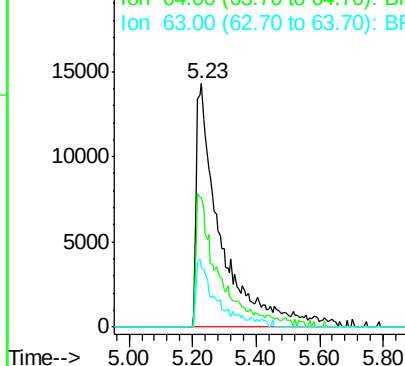
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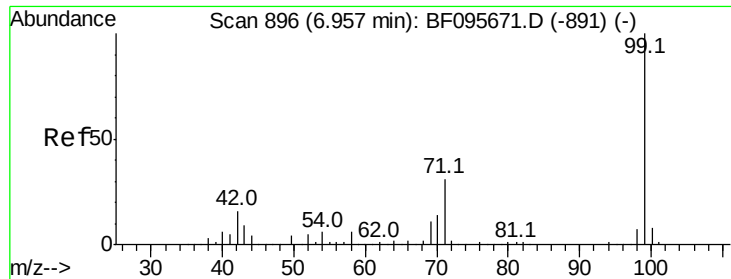
2-Fluorophenol
Concen: 16.40 ng m
RT: 5.23 min Scan# 636
Delta R.T. 0.05 min
Lab File: BF096051.D
Acq: 20 Jun 2017 18:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.3	46.0	69.0
63	24.5	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: 17.65 ng/mL

RT: 6.91 min Scan# 922

Delta R.T. 0.04 min

Lab File: BF096051.D

Acq: 20 Jun 2017 18:38

Instrument :

BNA_F

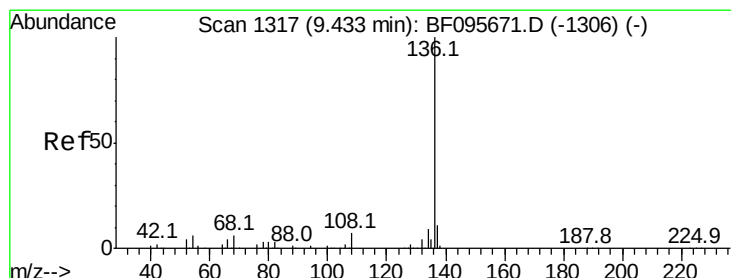
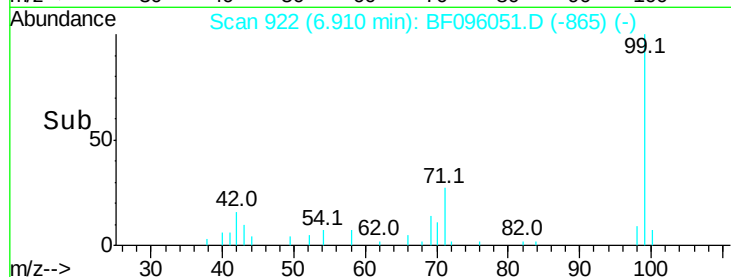
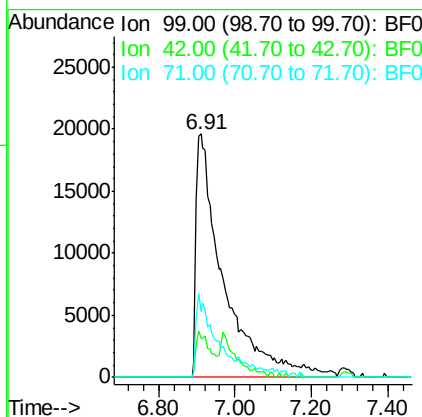
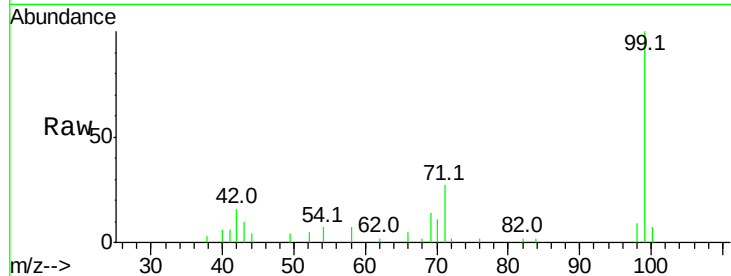
ClientSampleId :

PL-01-061417-C

Tot Ion:	99	Resp:	98023
Ion Ratio	Lower	Upper	
99	100		
42	15.8	13.5	20.3
71	26.8	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng/mL

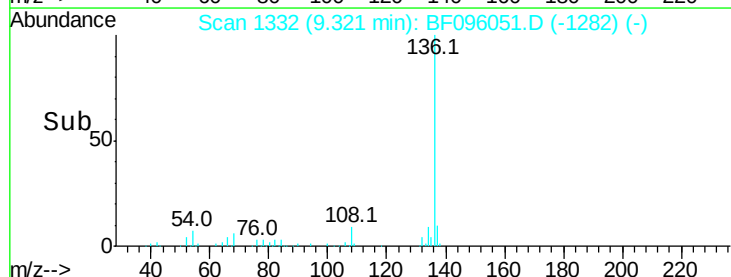
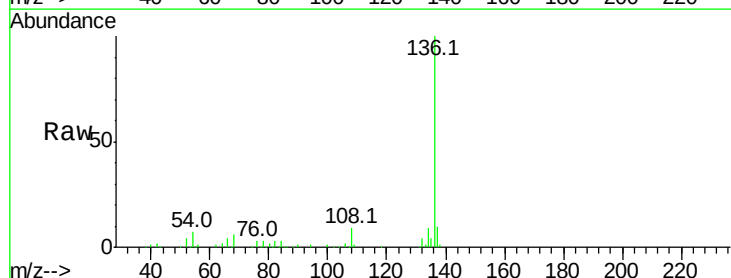
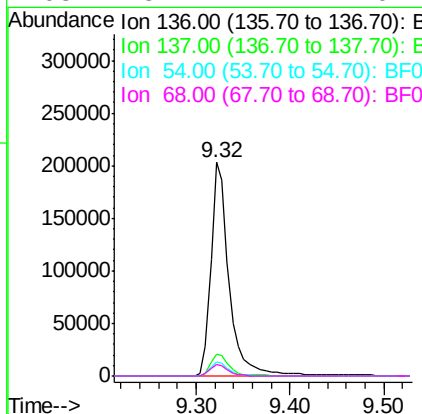
RT: 9.32 min Scan# 1332

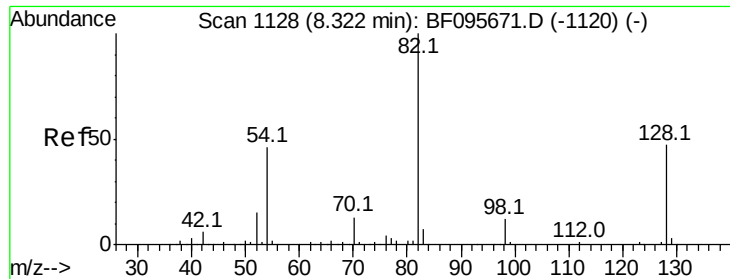
Delta R.T. -0.01 min

Lab File: BF096051.D

Acq: 20 Jun 2017 18:38

Tgt Ion:	136	Resp:	278120
Ion Ratio	Lower	Upper	
136	100		
137	10.0	8.5	12.7
54	6.5	4.9	7.3
68	5.7	4.1	6.1





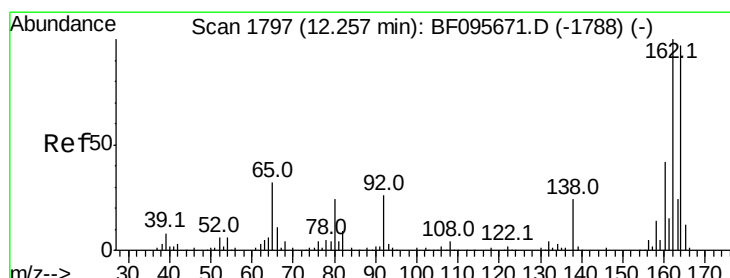
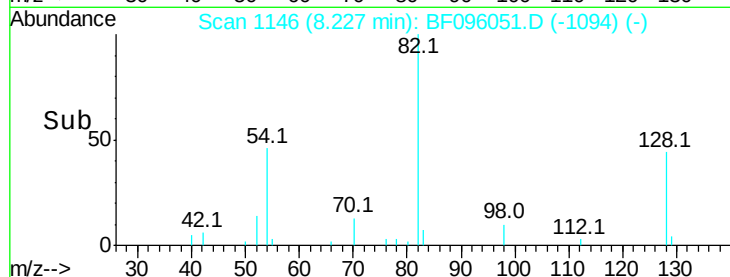
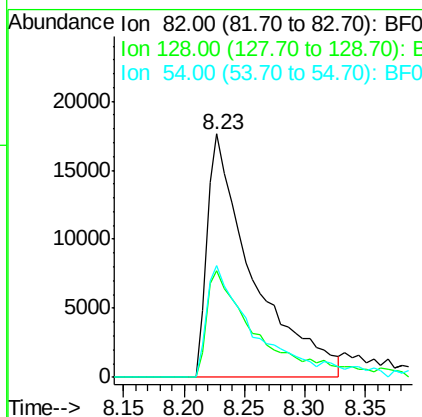
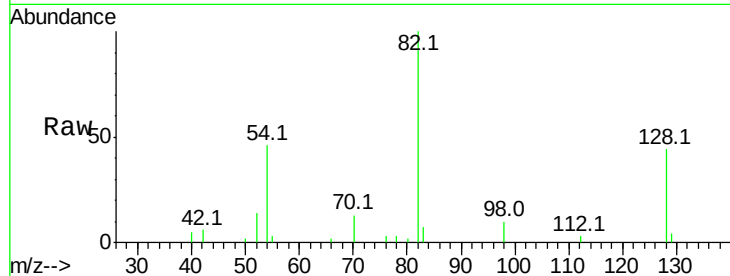
#23
 Nitrobenzene-d5
 Concen: 10.26 ng
 RT: 8.23 min Scan# 1146
 Delta R.T. 0.01 min
 Lab File: BF096051.D
 Acq: 20 Jun 2017 18:38

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-061417-C

Tot Ion	82	Resp	45933
Ion	Ratio	Lower	Upper
82	100		
128	43.7	34.0	51.0
54	46.0	42.2	63.2

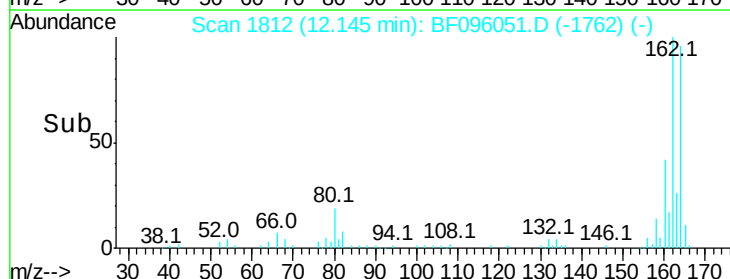
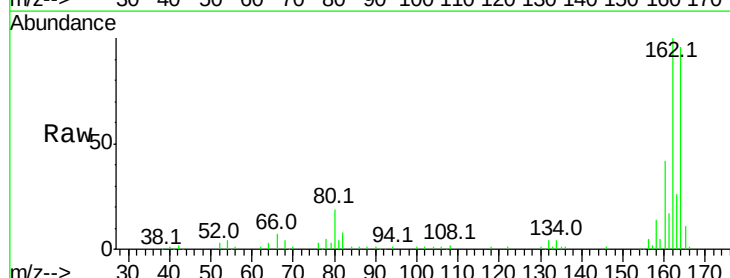
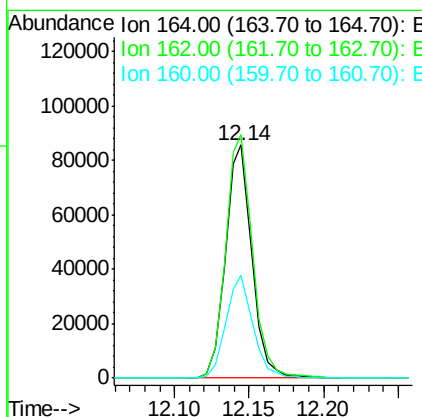
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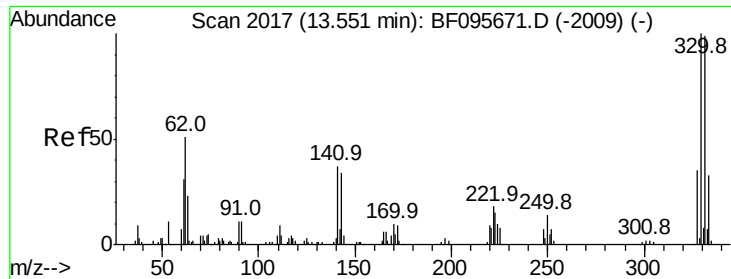
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.14 min Scan# 1812
 Delta R.T. -0.01 min
 Lab File: BF096051.D
 Acq: 20 Jun 2017 18:38

Tgt Ion	164	Resp	106196
Ion	Ratio	Lower	Upper
164	100		
162	104.5	82.6	123.8
160	44.0	36.2	54.2





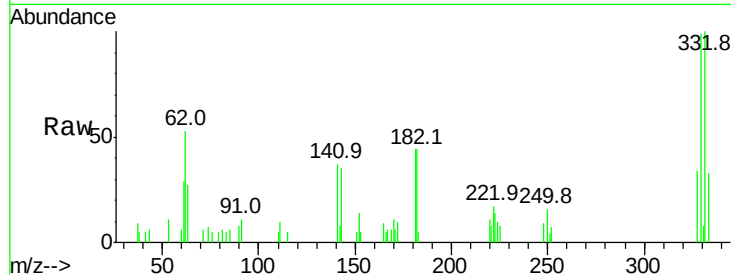
#41
 2,4,6-Tribromophenol
 Concen: 12.40 ng
 RT: 13.46 min Scan# 2035
 Delta R.T. 0.01 min
 Lab File: BF096051.D
 Acq: 20 Jun 2017 18:38

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-061417-C

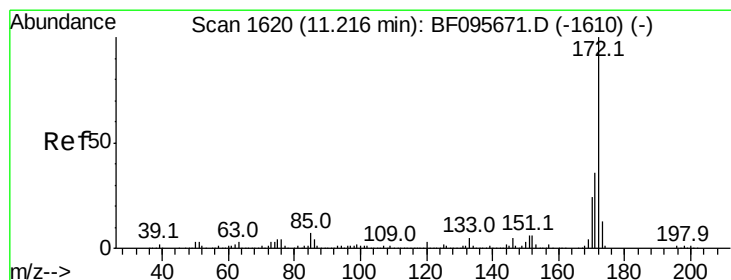
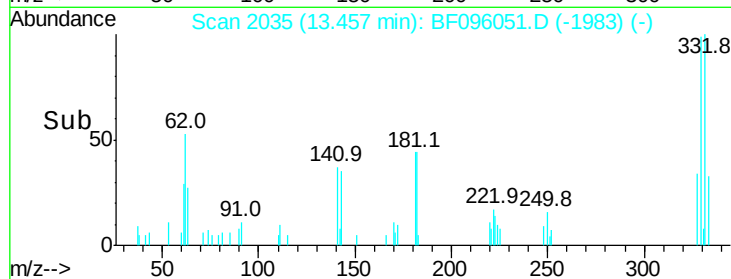
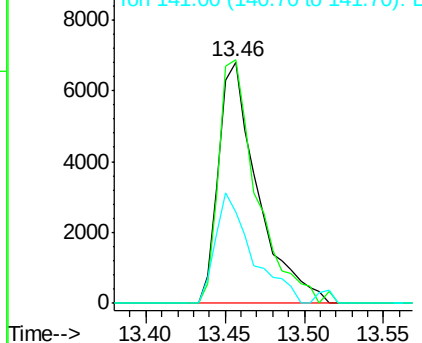
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.5	76.6	115.0	
141	43.0	31.4	47.2	

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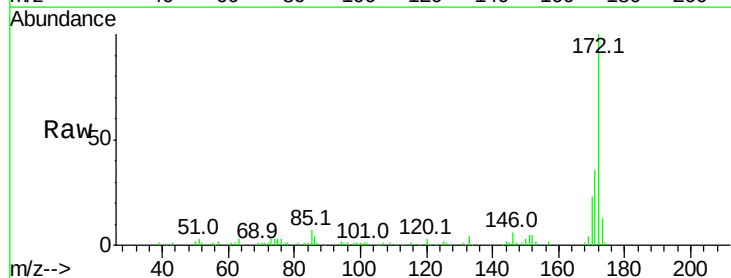


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

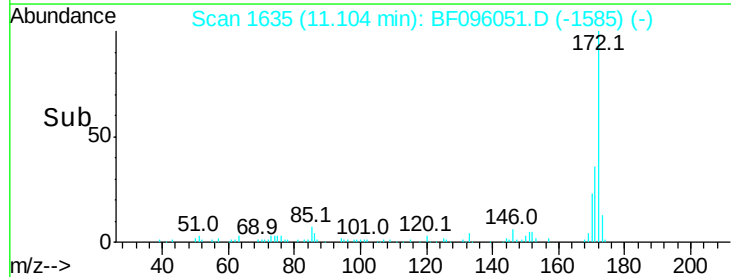
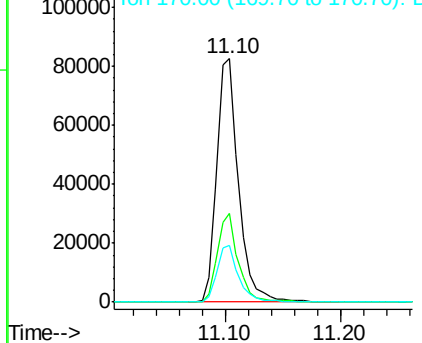


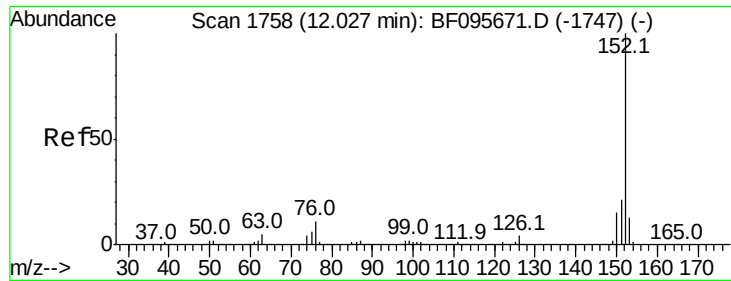
#44
 2-Fluorobiphenyl
 Concen: 14.17 ng
 RT: 11.10 min Scan# 1635
 Delta R.T. -0.01 min
 Lab File: BF096051.D
 Acq: 20 Jun 2017 18:38

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.2	29.6	44.4	
170	23.3	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





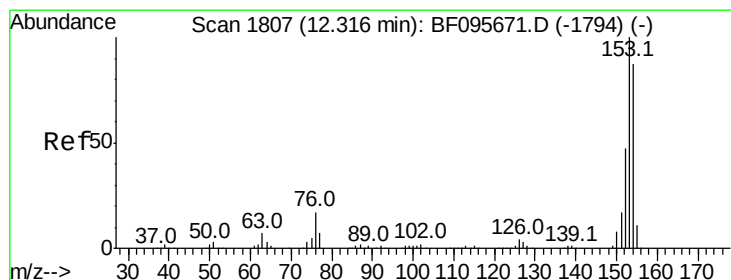
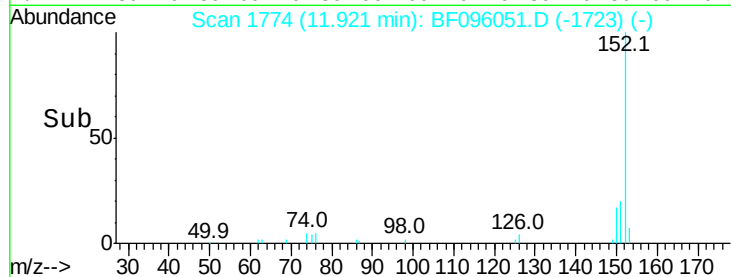
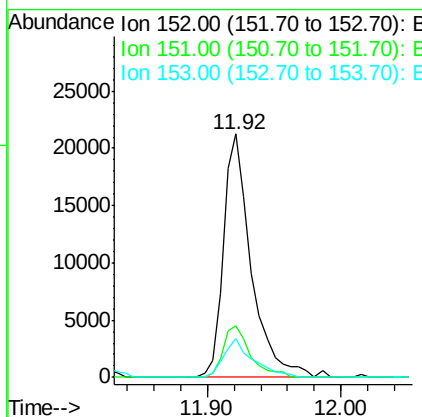
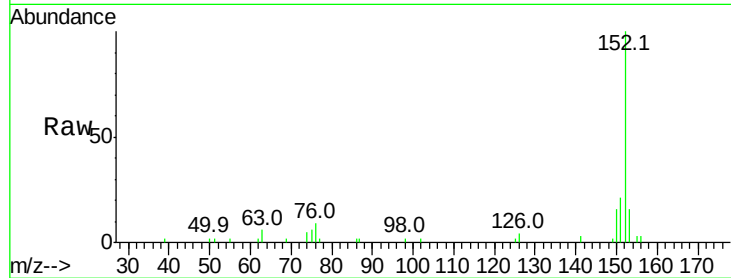
#48
Acenaphthylene
Concen: 2.66 ng
RT: 11.92 min Scan# 1774
Delta R.T. -0.00 min
Lab File: BF096051.D
Acq: 20 Jun 2017 18:38

Instrument :
BNA_F
ClientSampleId :
PL-01-061417-C

Tot Ion	Ratio	Resp	Lower	Upper
152	100	31098		
151	21.0		16.8	25.2
153	15.7		10.8	16.2

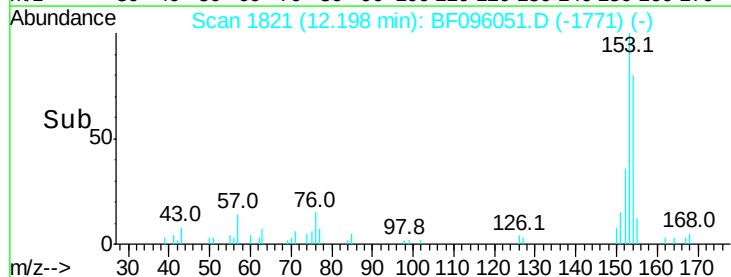
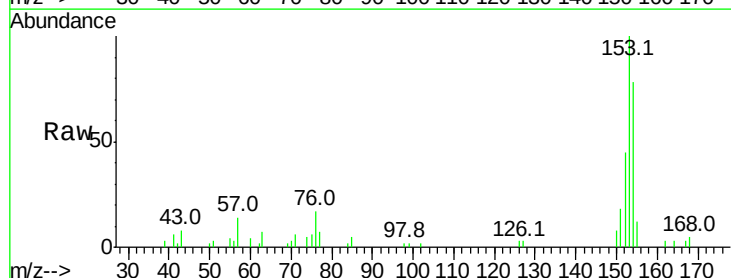
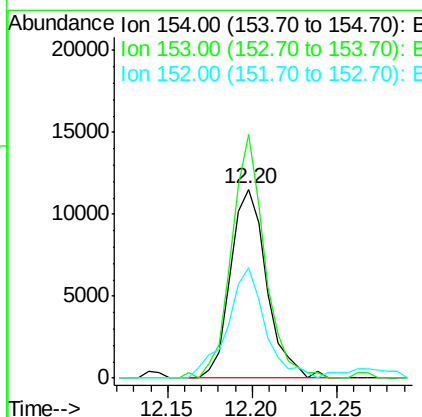
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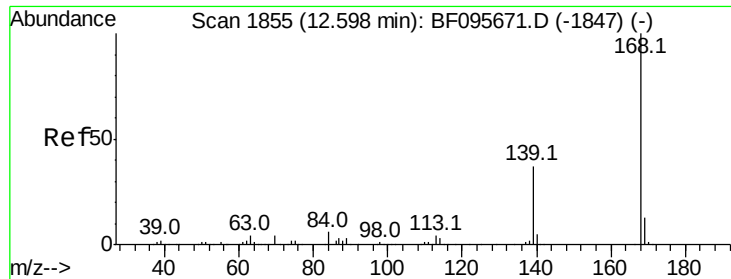
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#51
Acenaphthene
Concen: 2.53 ng
RT: 12.20 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF096051.D
Acq: 20 Jun 2017 18:38

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	17097		
153	128.7		90.5	135.7
152	58.4		43.6	65.4





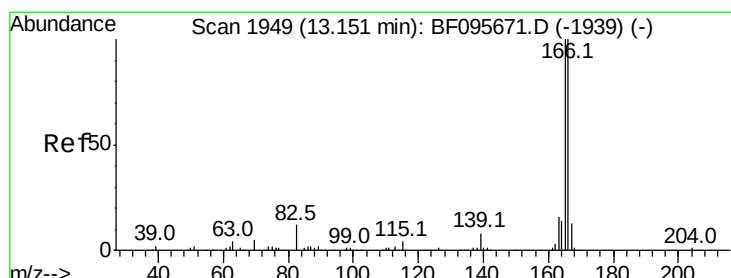
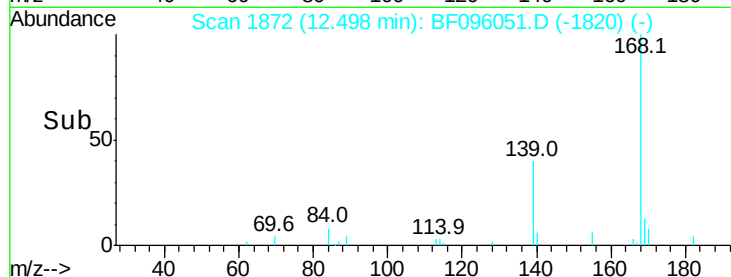
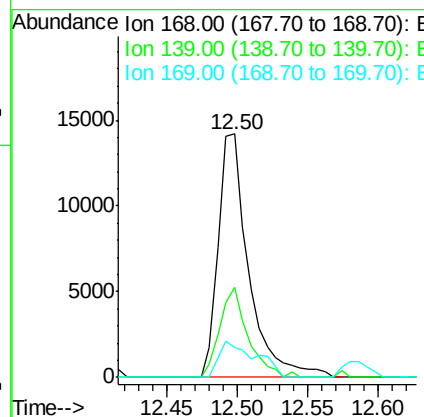
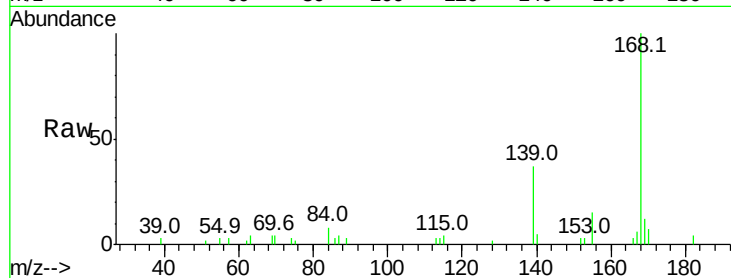
#54
Dibenzofuran
Concen: 2.25 ng
RT: 12.50 min Scan# 1872
Delta R.T. 0.01 min
Lab File: BF096051.D
Acq: 20 Jun 2017 18:38

Instrument :
BNA_F
ClientSampleId :
PL-01-061417-C

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.1	30.6	45.8
169	12.2	10.8	16.2

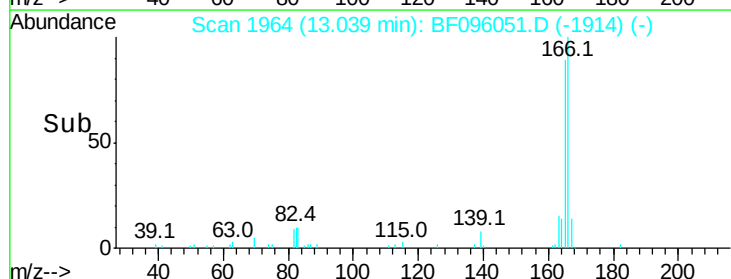
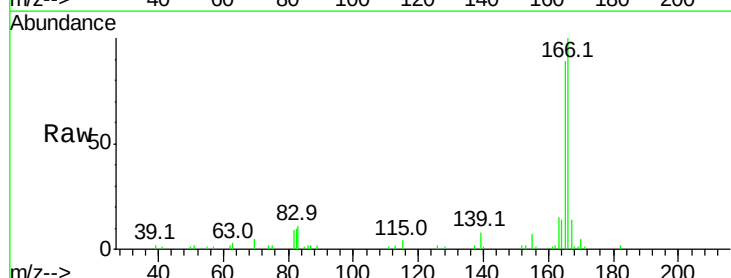
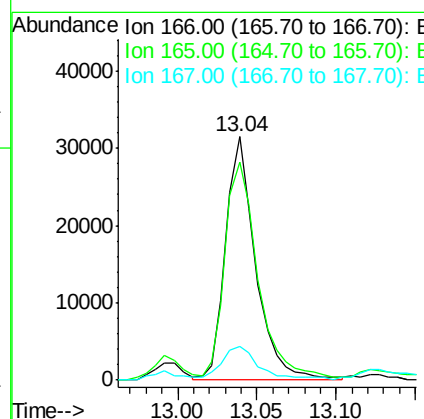
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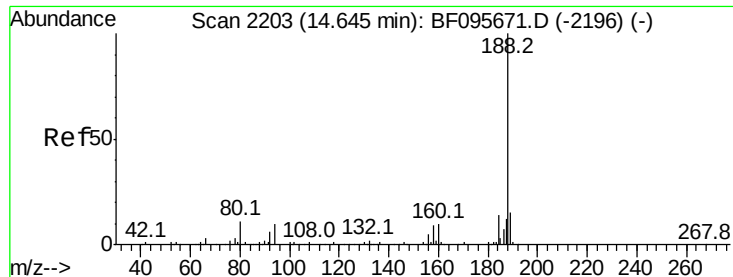
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#57
Fluorene
Concen: 5.04 ng
RT: 13.04 min Scan# 1964
Delta R.T. -0.01 min
Lab File: BF096051.D
Acq: 20 Jun 2017 18:38

Tgt Ion	Ratio	Lower	Upper
166	100		
165	89.4	78.8	118.2
167	14.0	10.6	16.0





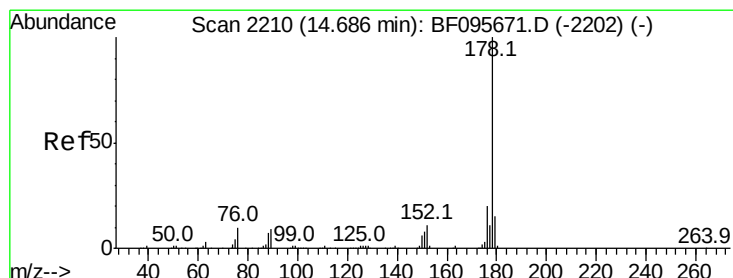
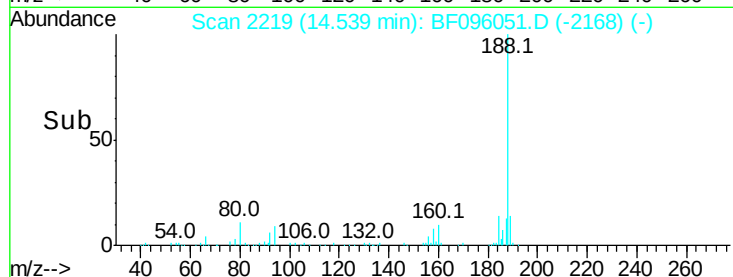
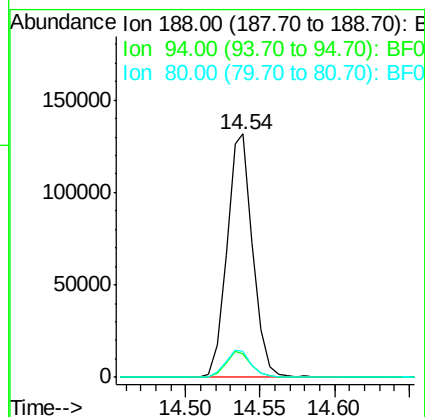
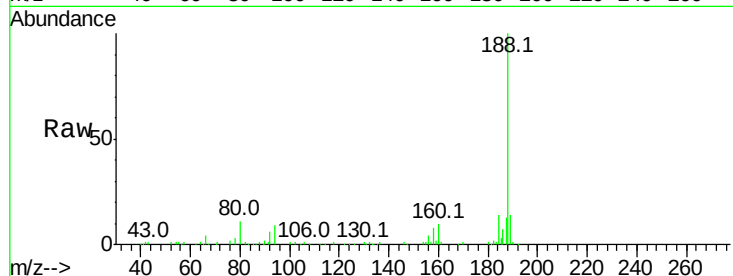
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.54 min Scan# 2219
Delta R.T. -0.00 min
Lab File: BF096051.D
Acq: 20 Jun 2017 18:38

Instrument :
BNA_F
ClientSampleId :
PL-01-061417-C

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.4	9.4	14.2#
80	10.8	10.2	15.2

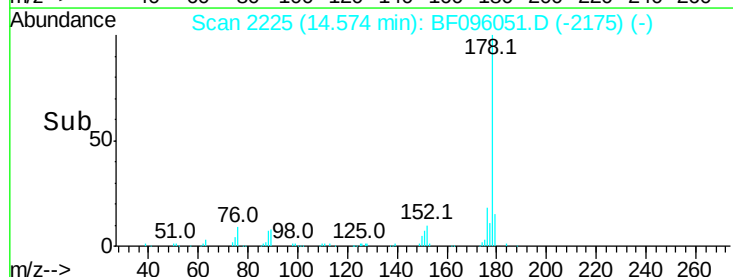
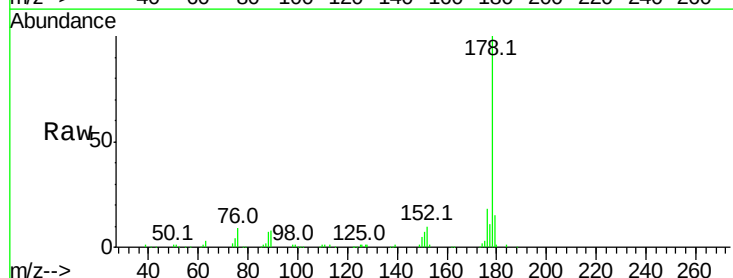
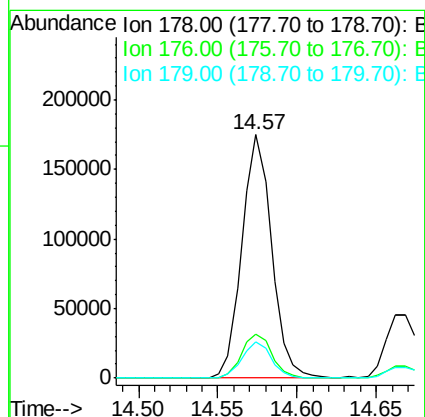
Manual Integrations
APPROVED

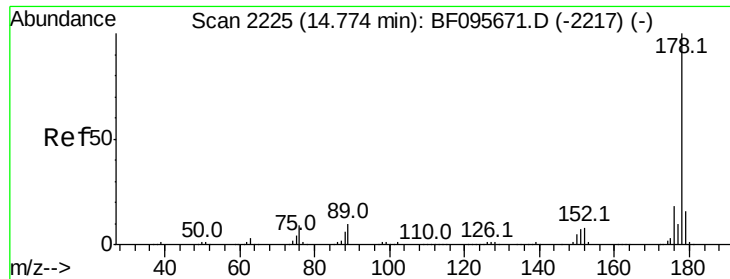
mohammad
6/21/2017 2:16:39 PM



#70
Phenanthrene
Concen: 24.80 ng
RT: 14.57 min Scan# 2225
Delta R.T. -0.01 min
Lab File: BF096051.D
Acq: 20 Jun 2017 18:38

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.3	16.2	24.4
179	14.7	12.6	19.0





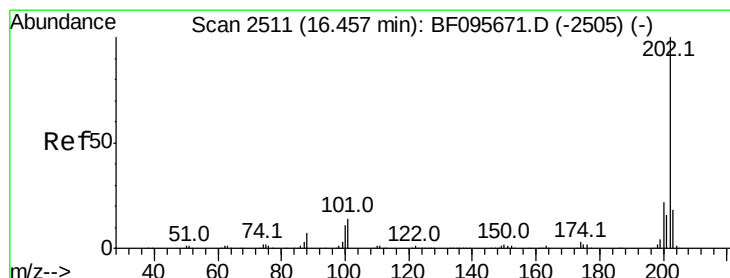
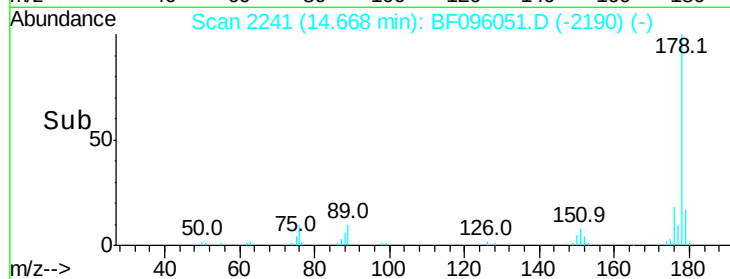
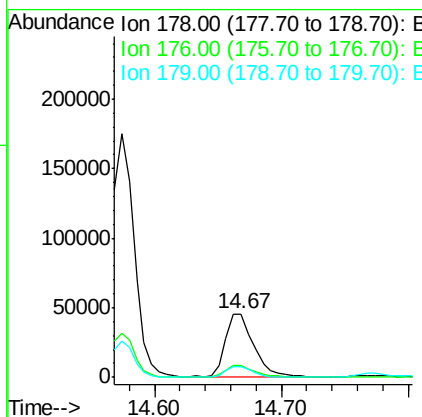
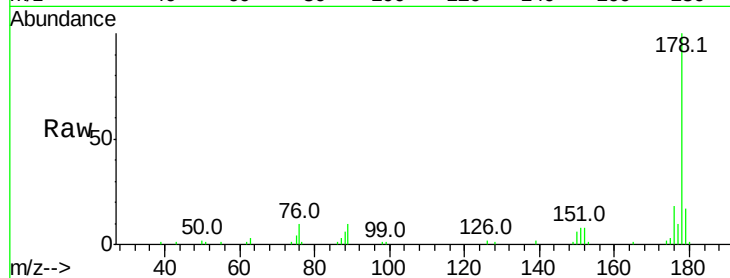
#71
 Anthracene
 Concen: 7.32 ng
 RT: 14.67 min Scan# 2241
 Delta R.T. -0.00 min
 Lab File: BF096051.D
 Acq: 20 Jun 2017 18:38

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-061417-C

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.8	23.8
179	16.7	12.7	19.1

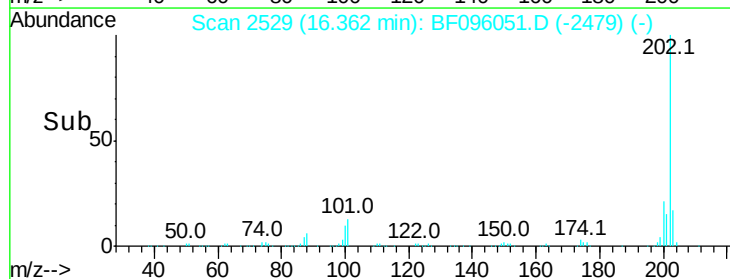
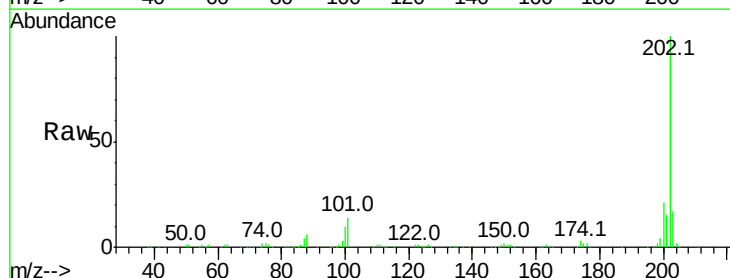
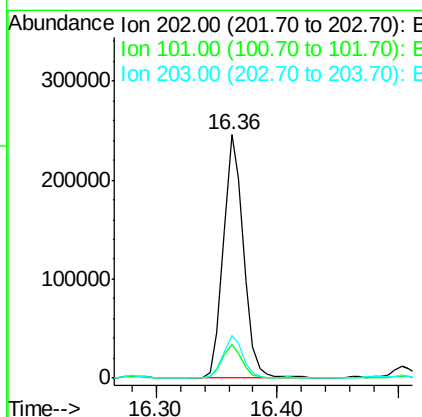
Manual Integrations
 APPROVED

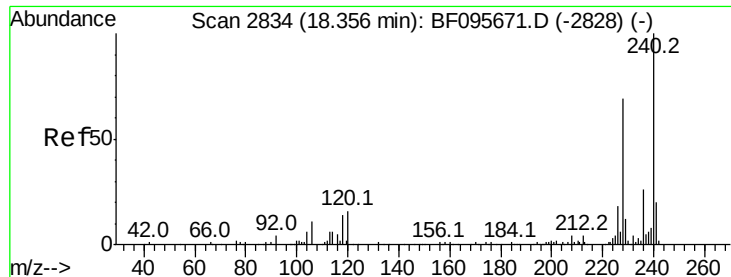
mohammad
 6/21/2017 2:16:39 PM



#74
 Fluoranthene
 Concen: 31.24 ng
 RT: 16.36 min Scan# 2529
 Delta R.T. -0.01 min
 Lab File: BF096051.D
 Acq: 20 Jun 2017 18:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	33.2
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.27 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BF096051.D

Acq: 20 Jun 2017 18:38

Instrument :

BNA_F

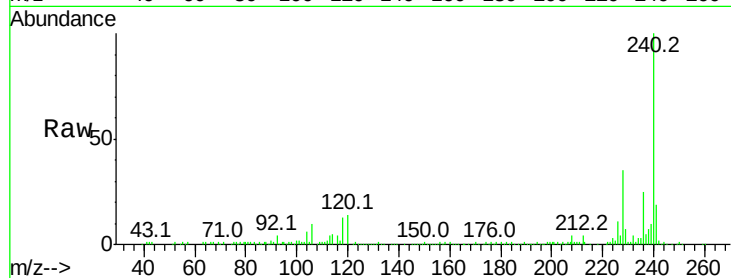
ClientSampleId :

PL-01-061417-C

Tot Ion:	240	Resp:	144207
Ion Ratio	Lower	Upper	
240	100		
120	14.1	5.8	8.8#
236	25.2	20.5	30.7

Manual Integrations
APPROVED

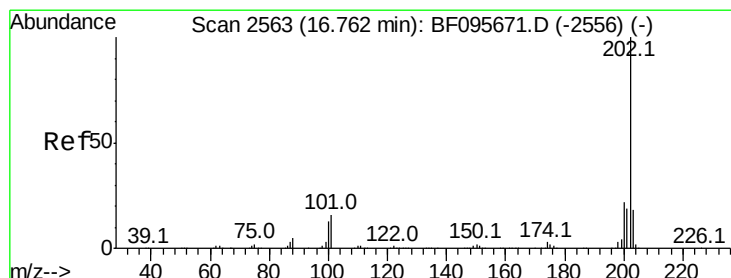
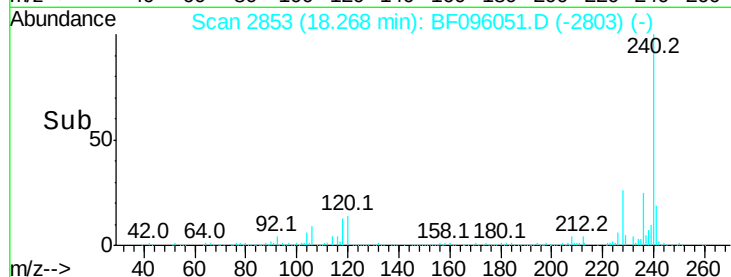
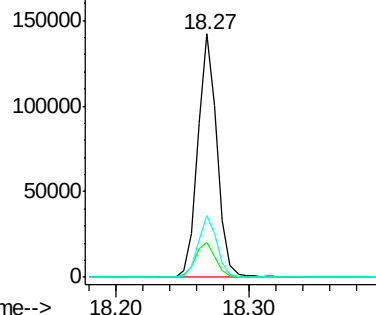
mohammad
6/21/2017 2:16:39 PM



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 25.72 ng

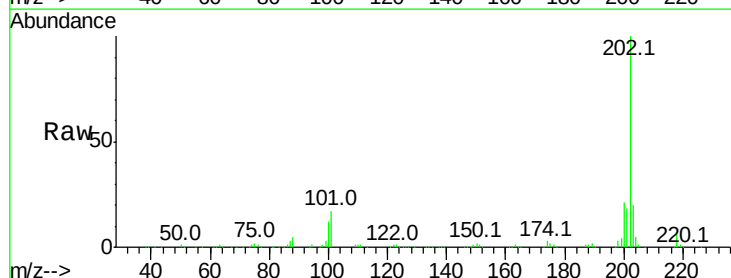
RT: 16.67 min Scan# 2581

Delta R.T. -0.00 min

Lab File: BF096051.D

Acq: 20 Jun 2017 18:38

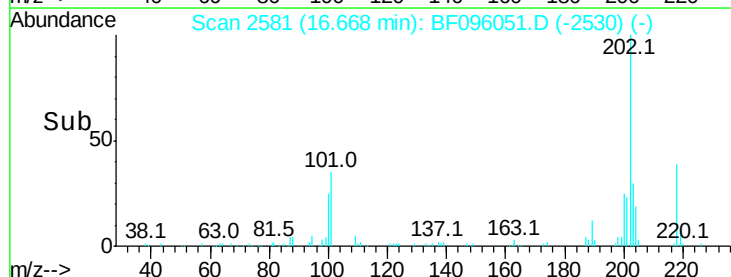
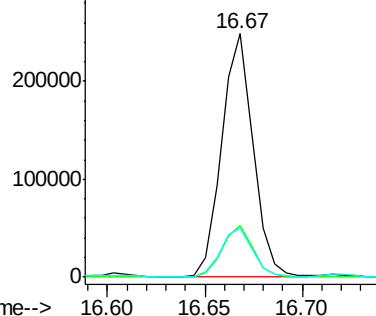
Tgt Ion:	202	Resp:	276731
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.6	26.4
203	20.0	14.4	21.6

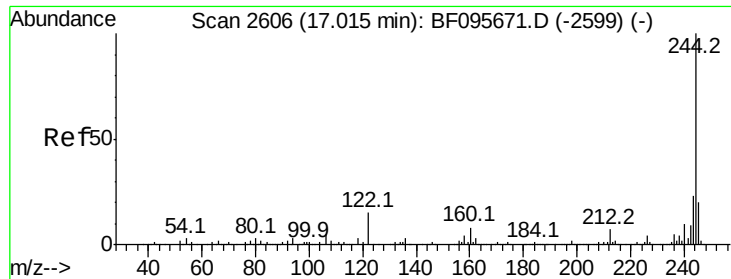


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





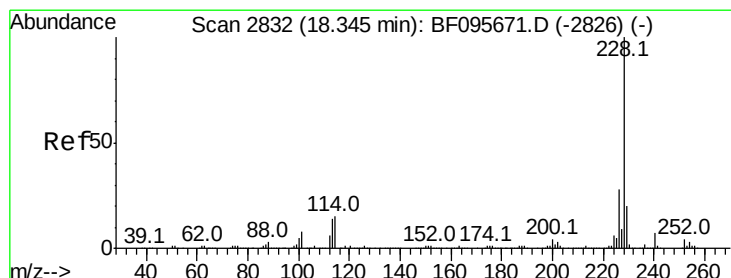
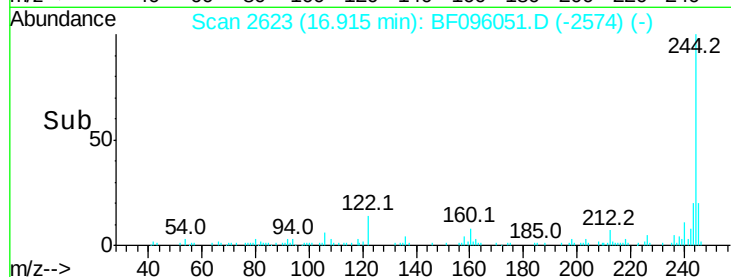
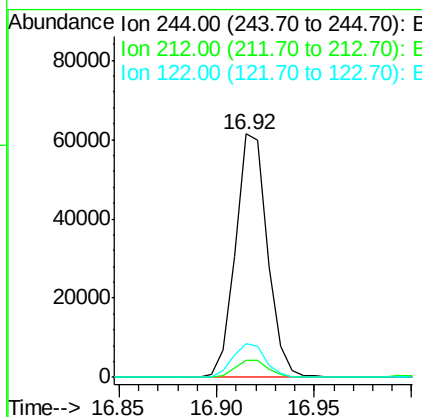
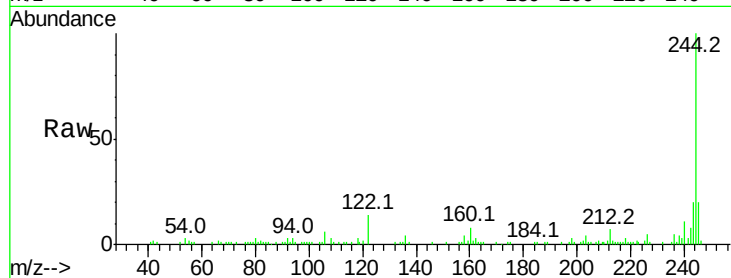
#78
 Terphenyl-d14
 Concen: 12.01 ng
 RT: 16.92 min Scan# 2623
 Delta R.T. -0.01 min
 Lab File: BF096051.D
 Acq: 20 Jun 2017 18:38

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-061417-C

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	14.0	10.3	15.5

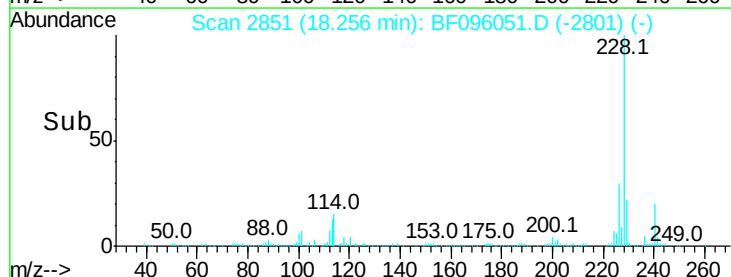
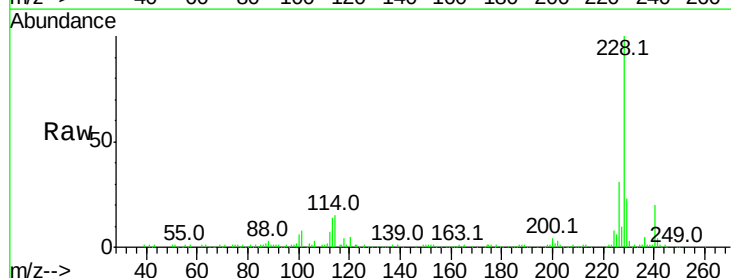
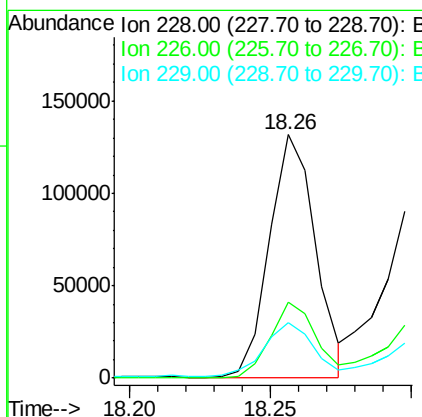
Manual Integrations
 APPROVED

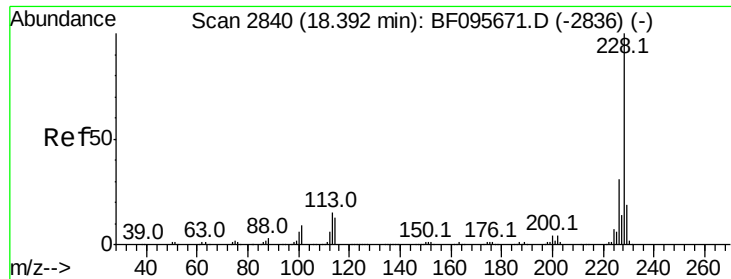
mohammad
 6/21/2017 2:16:39 PM



#80
 Benzo(a)anthracene
 Concen: 17.70 ng
 RT: 18.26 min Scan# 2851
 Delta R.T. -0.01 min
 Lab File: BF096051.D
 Acq: 20 Jun 2017 18:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	22.6	33.8
229	23.0	16.3	24.5





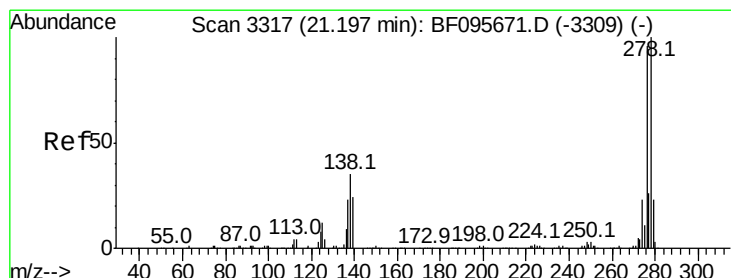
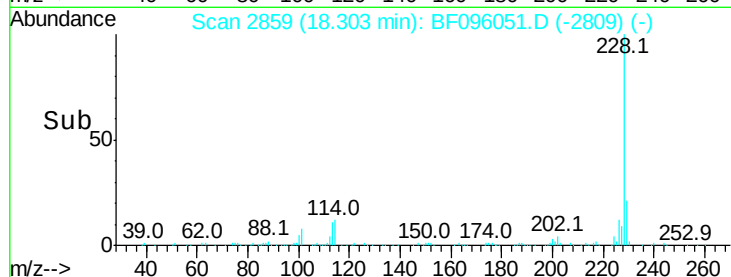
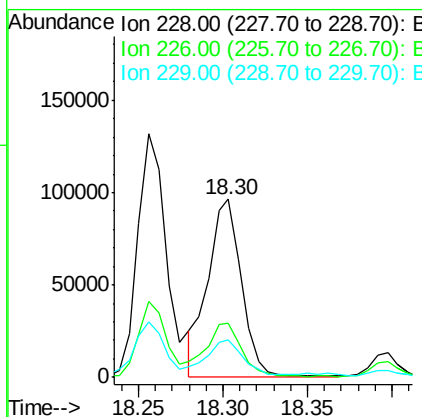
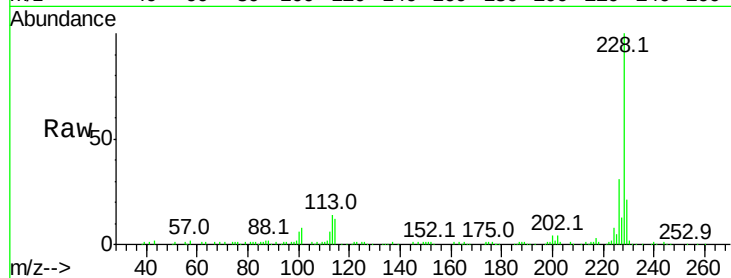
#82
Chrysene
Concen: 15.85 ng
RT: 18.30 min Scan# 2859
Delta R.T. -0.01 min
Lab File: BF096051.D
Acq: 20 Jun 2017 18:38

Instrument :
BNA_F
ClientSampleId :
PL-01-061417-C

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.9	37.3
229	21.1	15.8	23.6

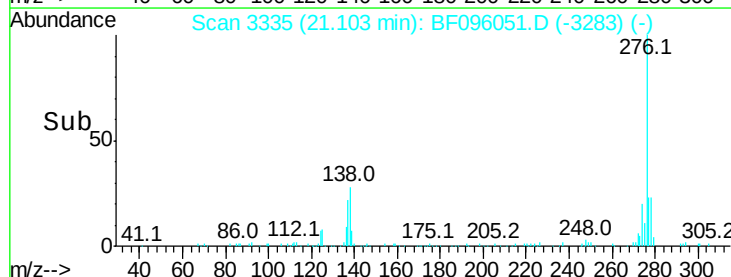
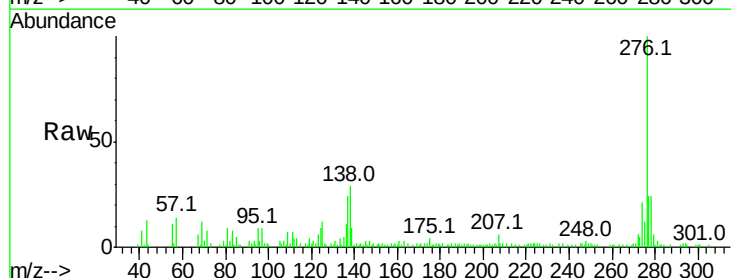
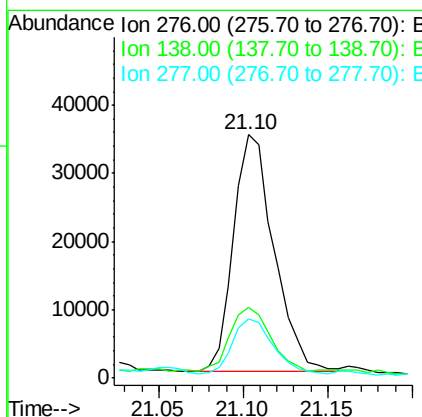
Manual Integrations
APPROVED

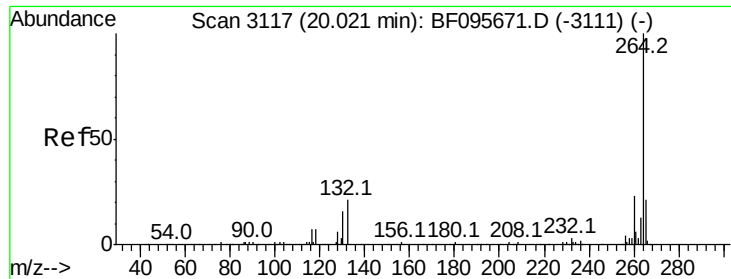
mohammad
6/21/2017 2:16:39 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 8.14 ng
RT: 21.10 min Scan# 3335
Delta R.T. 0.01 min
Lab File: BF096051.D
Acq: 20 Jun 2017 18:38

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.6	27.8	41.6#
277	23.2	20.2	30.4





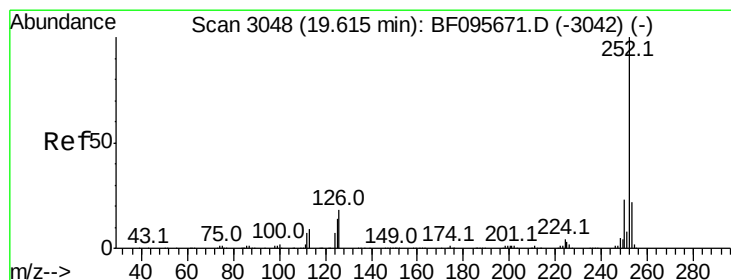
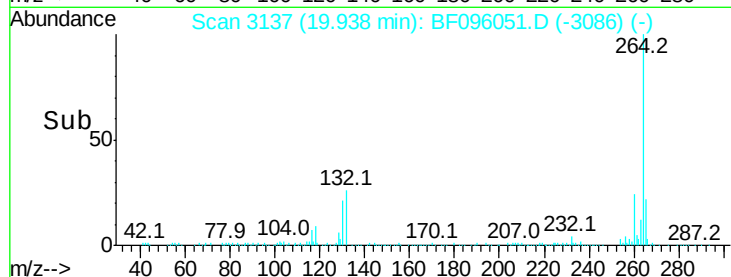
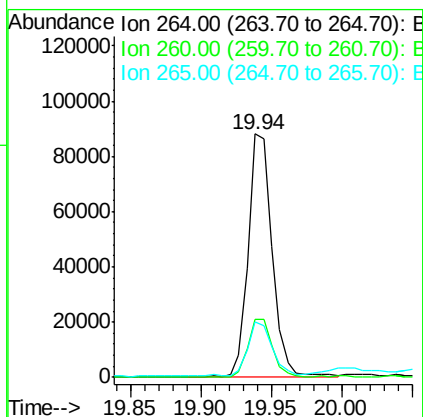
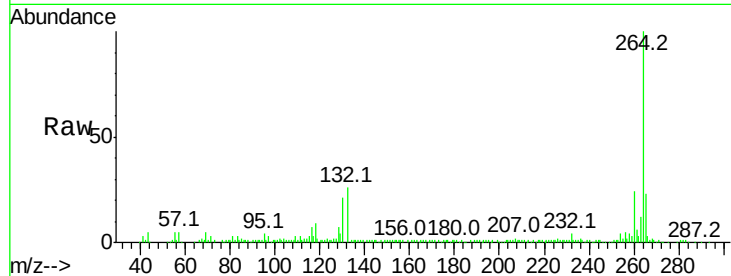
#86
Pervlene-d12
Concen: 20.00 ng
RT: 19.94 min Scan# 3137
Delta R.T. -0.00 min
Lab File: BF096051.D
Acq: 20 Jun 2017 18:38

Instrument :
BNA_F
ClientSampleId :
PL-01-061417-C

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	22.8	17.2	25.8

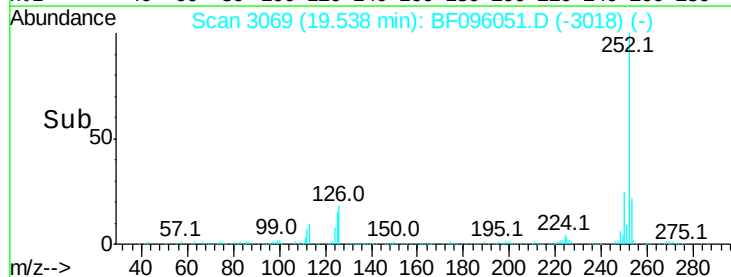
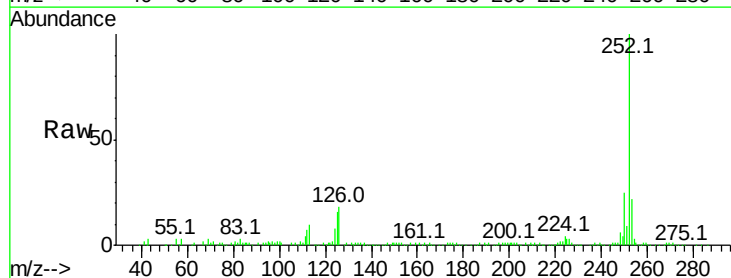
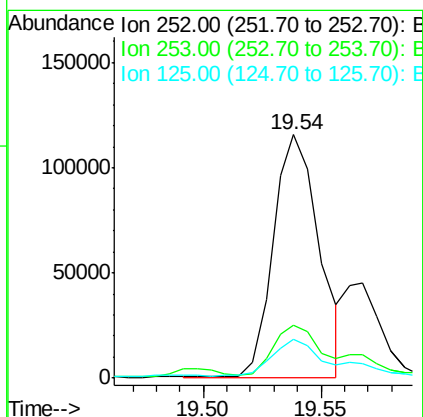
Manual Integrations
APPROVED

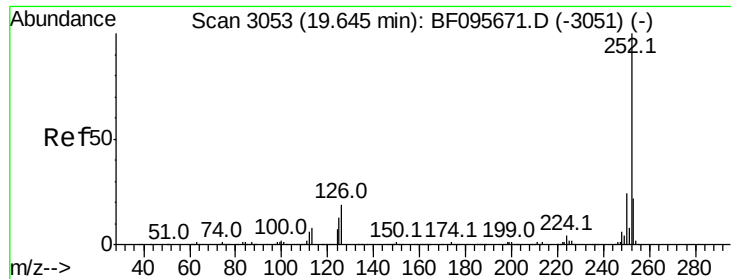
mohammad
6/21/2017 2:16:39 PM



#87
Benzo(b)fluoranthene
Concen: 23.94 ng m
RT: 19.54 min Scan# 3069
Delta R.T. -0.00 min
Lab File: BF096051.D
Acq: 20 Jun 2017 18:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.1	27.1
125	15.7	9.8	14.8





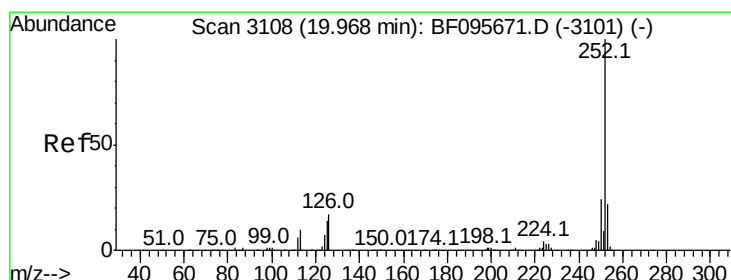
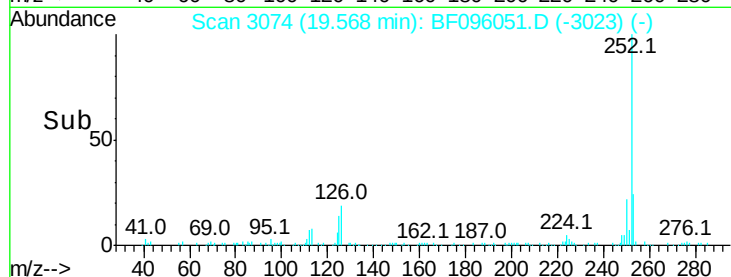
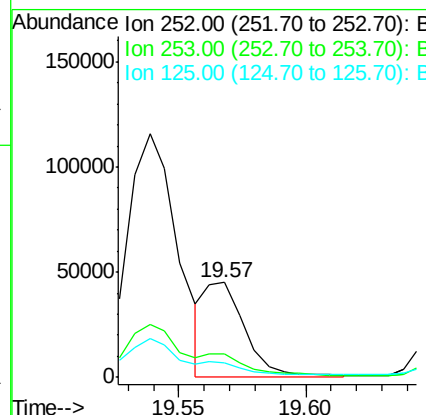
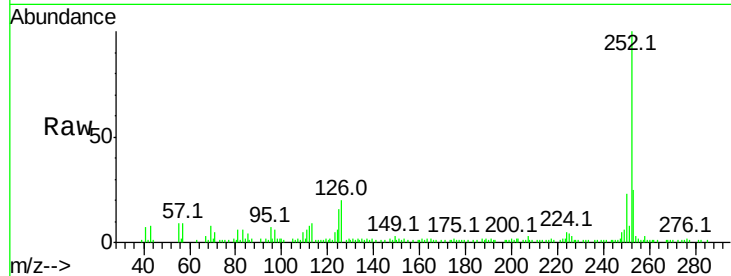
#88
Benzo(k)fluoranthene
Concen: 8.06 ng m
RT: 19.57 min Scan# 3074
Delta R.T. -0.00 min
Lab File: BF096051.D
Acq: 20 Jun 2017 18:38

Instrument :
BNA_F
ClientSampleId :
PL-01-061417-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.4	27.6
125	15.9	13.1	19.7

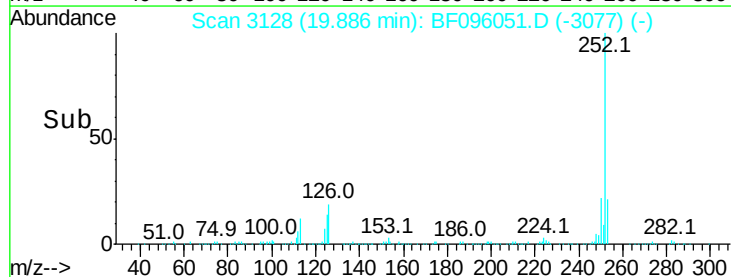
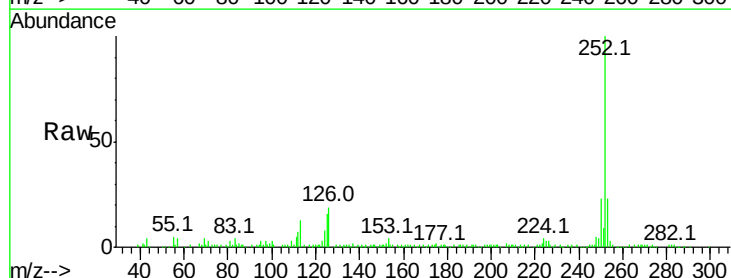
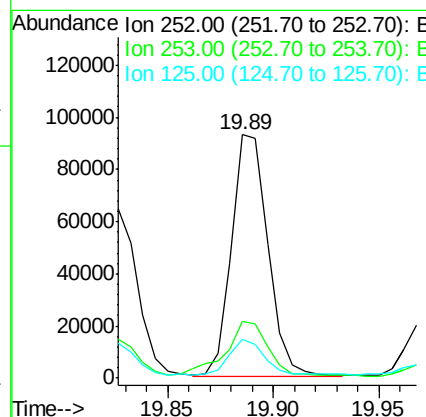
Manual Integrations
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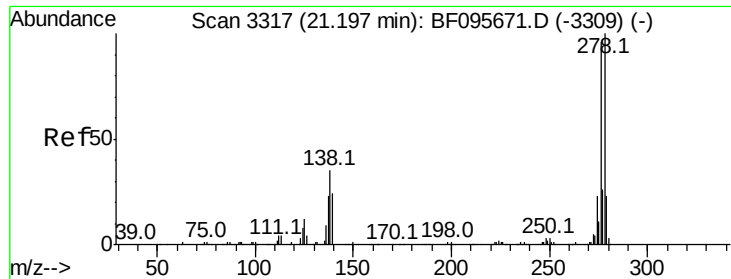
mohammad
6/21/2017 2:16:39 PM



#89
Benzo(a)pyrene
Concen: 18.15 ng
RT: 19.89 min Scan# 3128
Delta R.T. -0.00 min
Lab File: BF096051.D
Acq: 20 Jun 2017 18:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	15.7	11.0	16.4





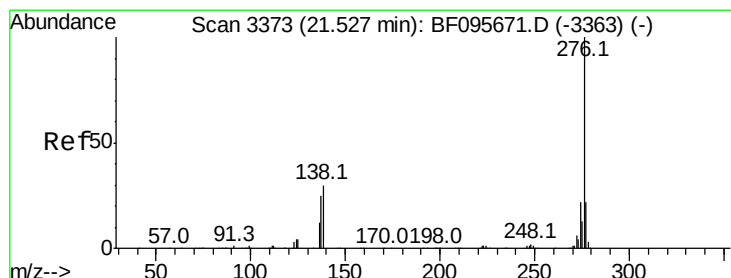
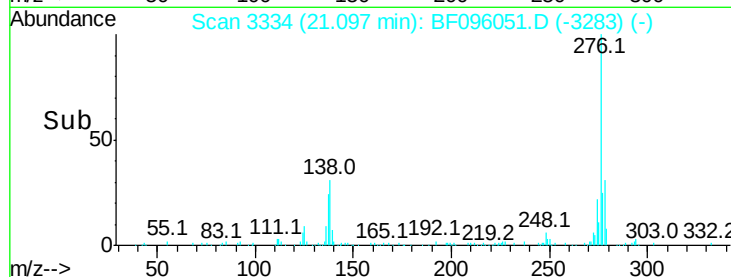
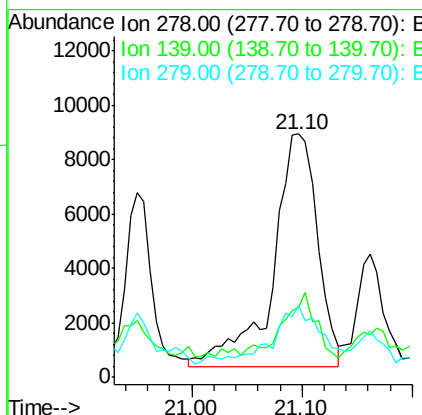
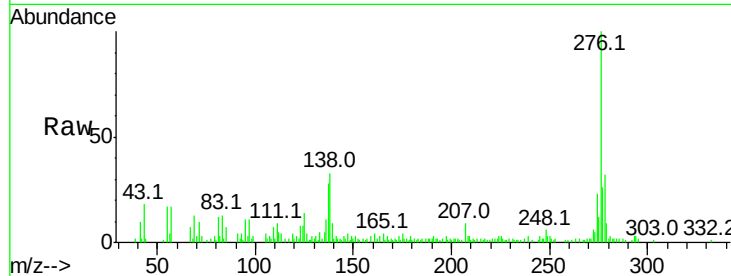
#90
Dibenzo(a,h)anthracene
Concen: 4.63 ng
RT: 21.10 min Scan# 3334
Delta R.T. -0.00 min
Lab File: BF096051.D
Acq: 20 Jun 2017 18:38

Instrument :
BNA_F
ClientSampleId :
PL-01-061417-C

Tot Ion	Ratio	Lower	Upper
278	100		
139	28.4	16.6	24.8#
279	29.4	19.3	28.9#

Manual Integrations
APPROVED

mohammad
6/21/2017 2:16:39 PM



#91
Benzo(g,h,i)perylene
Concen: 10.52 ng
RT: 21.43 min Scan# 3391
Delta R.T. 0.01 min
Lab File: BF096051.D
Acq: 20 Jun 2017 18:38

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.3	18.6	28.0
138	33.9	25.4	38.0

