

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071817\
 Data File : BF096854.D
 Acq On : 18 Jul 2017 18:41
 Operator : SJ/JU
 Sample : I4245-04 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-071717-B

Manual Integrations
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Quant Time: Jul 19 02:14:19 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 18 13:33:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	118555	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	464639	20.00	ng	0.00
38) Acenaphthene-d10	9.63	164	175969	20.00	ng	0.00
63) Phenanthrene-d10	11.10	188	244223	20.00	ng	0.00
75) Chrysene-d12	13.73	240	195147	20.00	ng	0.00
86) Perylene-d12	15.11	264	144944	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	349725	44.35	ng	0.00
7) Phenol-d6	6.25	99	426624	45.09	ng	0.00
23) Nitrobenzene-d5	7.16	82	257473	34.32	ng	-0.01
41) 2,4,6-Tribromophenol	10.41	330	70044	46.63	ng	-0.01
44) 2-Fluorobiphenyl	8.96	172	432998	38.88	ng	0.00
78) Terphenyl-d14	12.69	244	280977	24.97	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.35	163	115473	8.715	ng	98
70) Phenanthrene	11.13	178	419441	31.586	ng	99
71) Anthracene	11.18	178	53931	4.017	ng	97
74) Fluoranthene	12.32	202	634816	49.944	ng	97
77) Pyrene	12.54	202	500008	28.232	ng	99
80) Benzo(a)anthracene	13.72	228	169709	13.957	ng	98
82) Chrysene	13.76	228	229439	19.168	ng	97
85) Indeno(1,2,3-cd)pyrene	16.40	276	72909	9.613	ng	95
87) Benzo(b)fluoranthene	14.73	252	210138m	24.038	ng	
88) Benzo(k)fluoranthene	14.75	252	65800m	7.949	ng	
89) Benzo(a)pyrene	15.05	252	119510	14.906	ng	# 92
90) Dibenzo(a,h)anthracene	16.40	278	19688	2.669	ng	# 69
91) Benzo(a,h,i)perylene	16.78	276	66484	8.415	ng	93

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

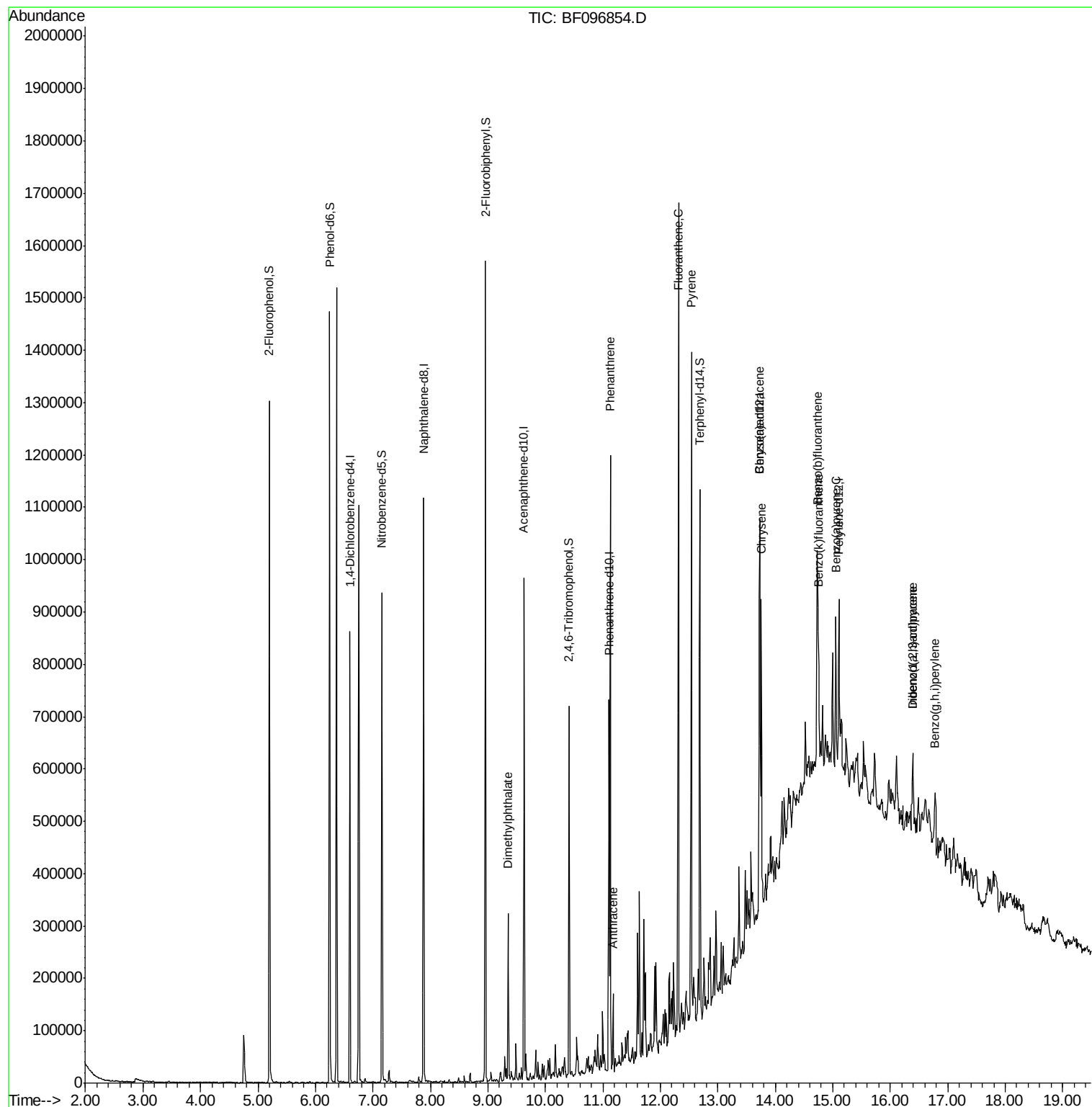
Data Path : Z:\HPCHEM1\BNA F\DATA\BF071817\
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ALS Vial : 22 Sample Multiplier: 1

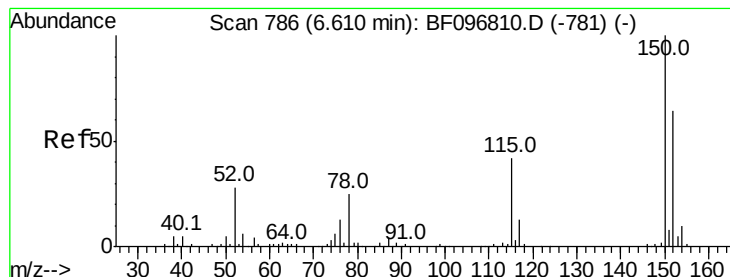
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
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#1

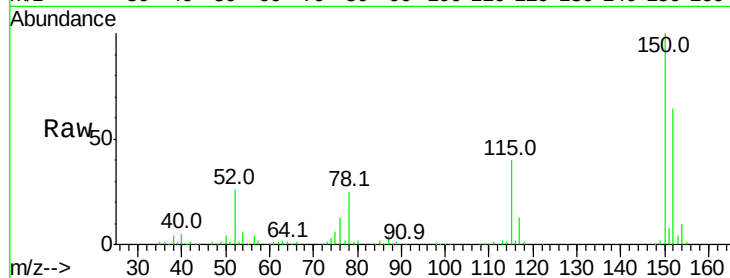
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.60 min Scan# 784
Delta R.T. 0.00 min
Lab File: BF096854.D
Acq: 18 Jul 2017 18:41

Instrument :
BNA_F
ClientSampleId :
PL-01-071717-B

Tot Ion	Ratio	Resp	Lower	Upper
152	100	118555		
150	155.4	126.2	189.2	
115	62.5	52.2	78.2	

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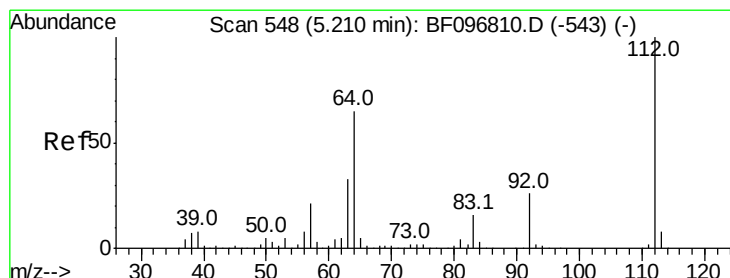
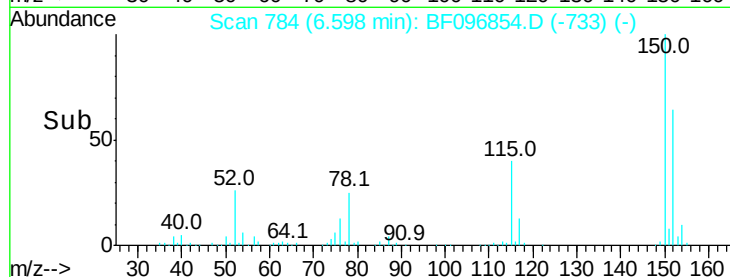
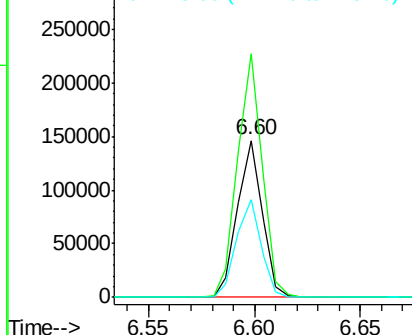


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

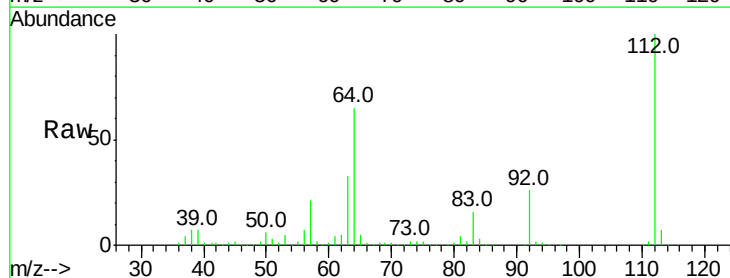
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 44.354 ng
RT: 5.20 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF096854.D
Acq: 18 Jul 2017 18:41

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	349725		
64	64.6	46.0	69.0	
63	32.8	23.4	35.0	

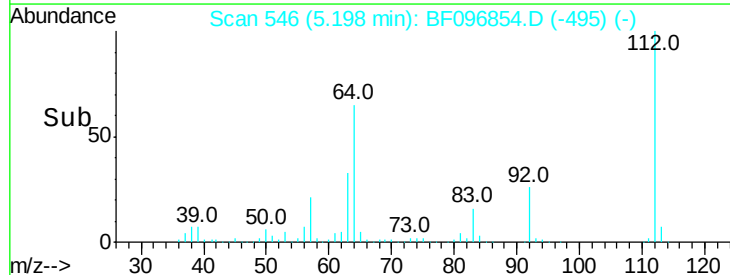
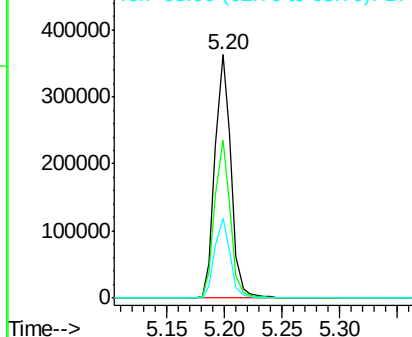


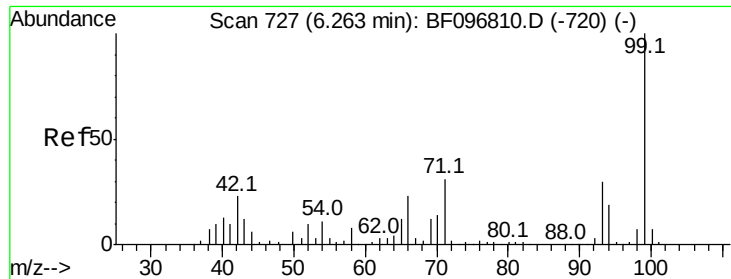
Abundance

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: 45.088 ng

RT: 6.25 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF096854.D

Acq: 18 Jul 2017 18:41

Instrument :

BNA_F

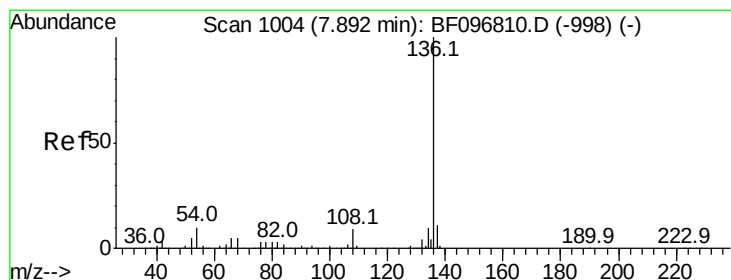
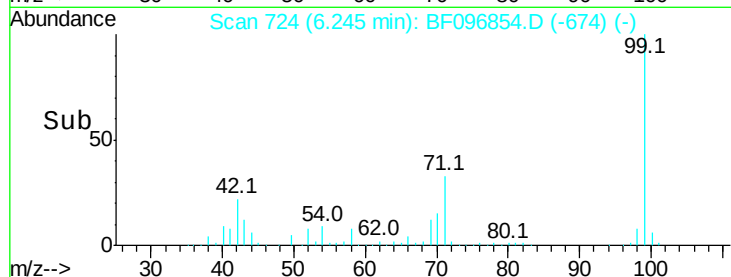
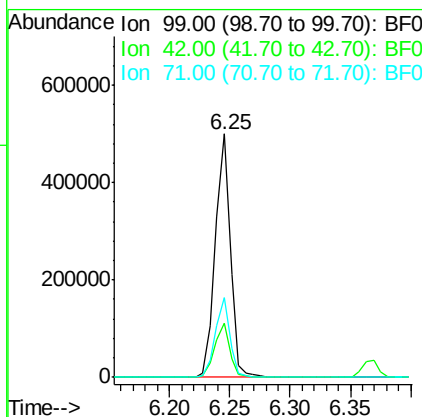
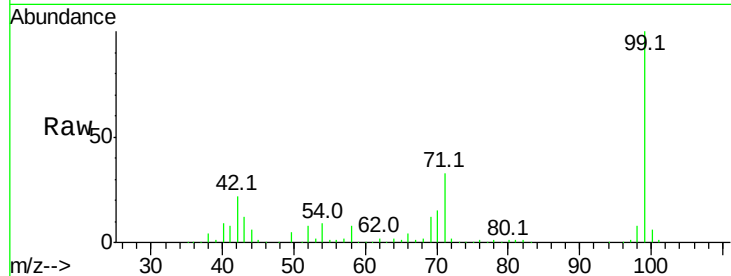
ClientSampleId :

PL-01-071717-B

Tot Ion:	99	Resp:	426624
Ion Ratio	Lower	Upper	
99	100		
42	22.5	13.5	20.3#
71	32.6	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

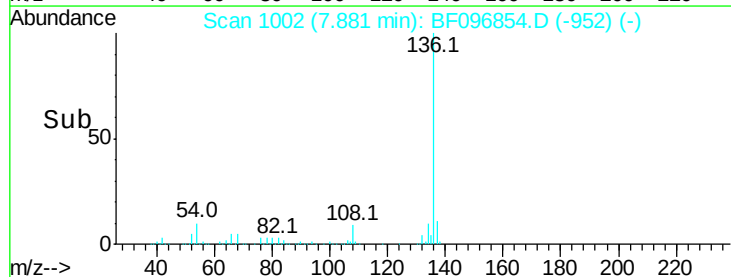
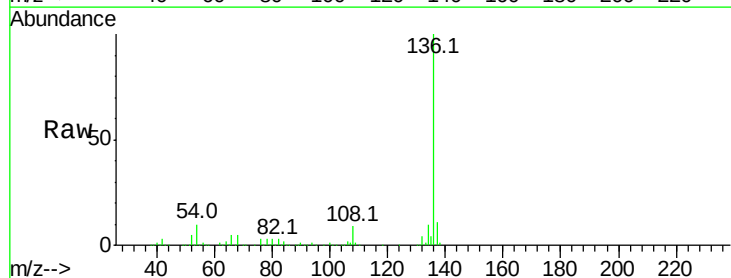
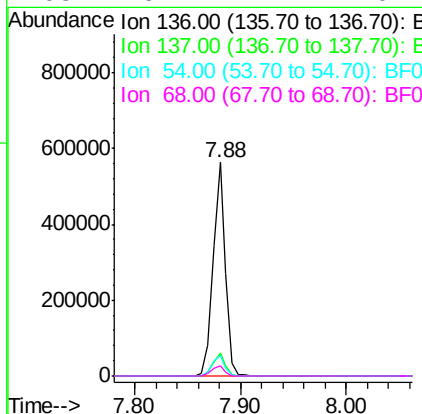
RT: 7.88 min Scan# 1002

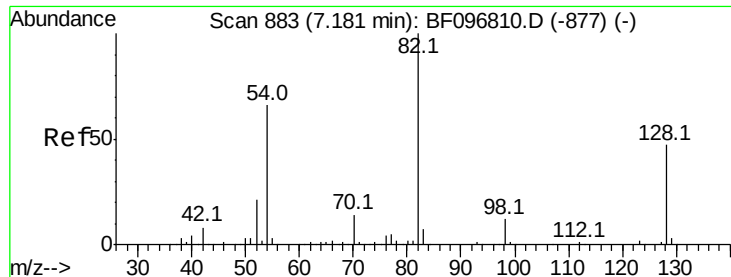
Delta R.T. -0.01 min

Lab File: BF096854.D

Acq: 18 Jul 2017 18:41

Tgt Ion:	136	Resp:	464639
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.5	12.7
54	9.8	4.9	7.3#
68	5.1	4.1	6.1





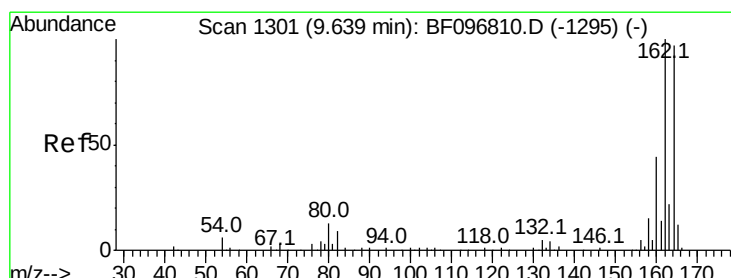
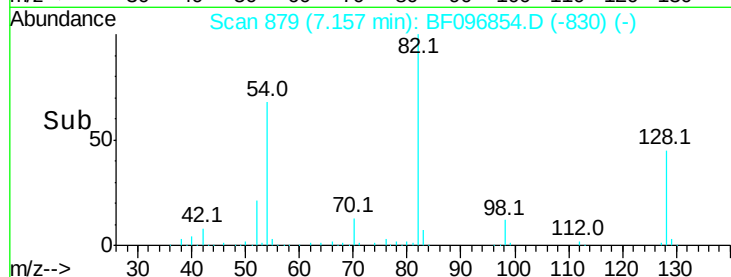
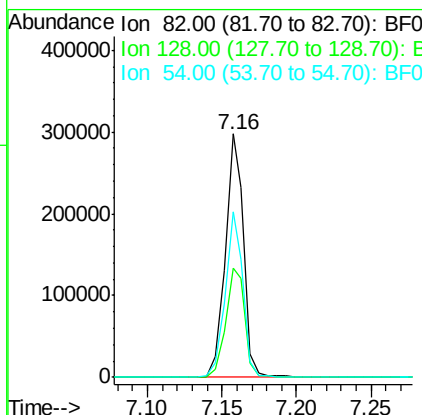
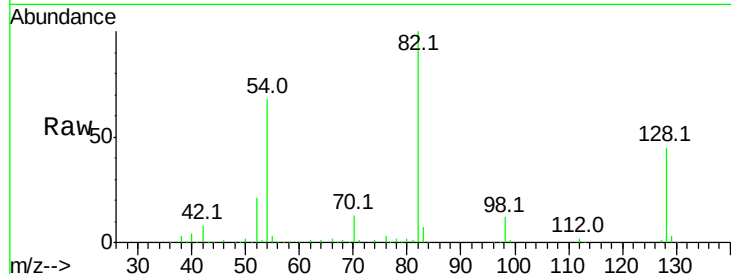
#23
 Nitrobenzene-d5
 Concen: 34.324 ng
 RT: 7.16 min Scan# 879
 Delta R.T. -0.01 min
 Lab File: BF096854.D
 Acq: 18 Jul 2017 18:41

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-071717-B

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.9	34.0	51.0	
54	68.3	42.2	63.2	

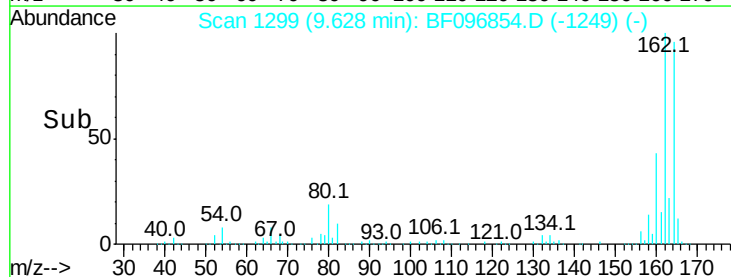
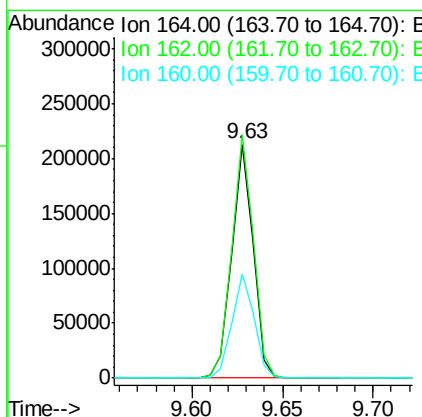
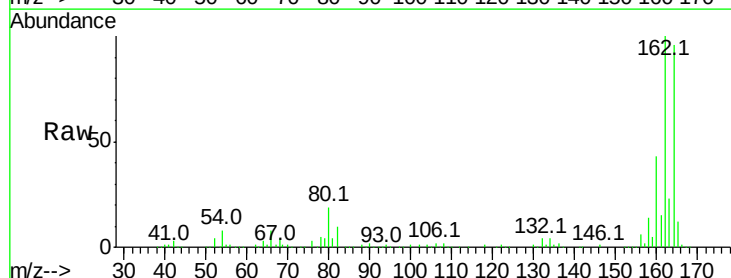
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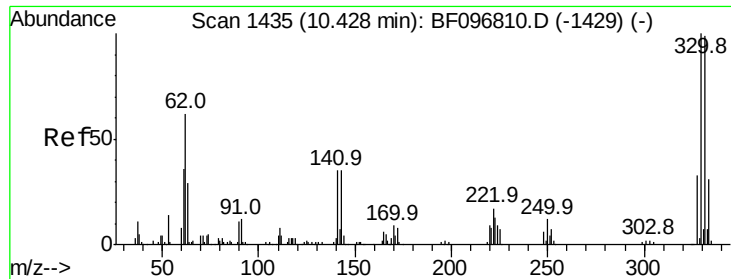
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.63 min Scan# 1299
 Delta R.T. -0.01 min
 Lab File: BF096854.D
 Acq: 18 Jul 2017 18:41

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.2	82.6	123.8	
160	44.6	36.2	54.2	





#41

2,4,6-Tribromophenol

Concen: 46.632 ng

RT: 10.41 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BF096854.D

Acq: 18 Jul 2017 18:41

Instrument :

BNA_F

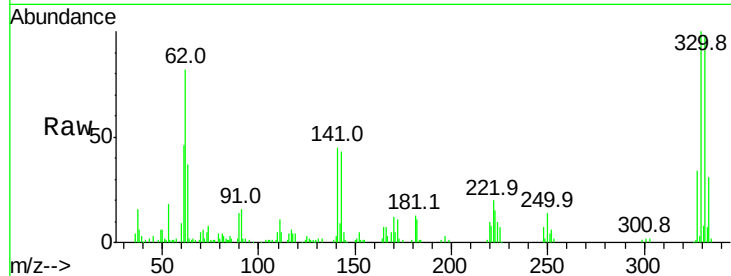
ClientSampleId :

PL-01-071717-B

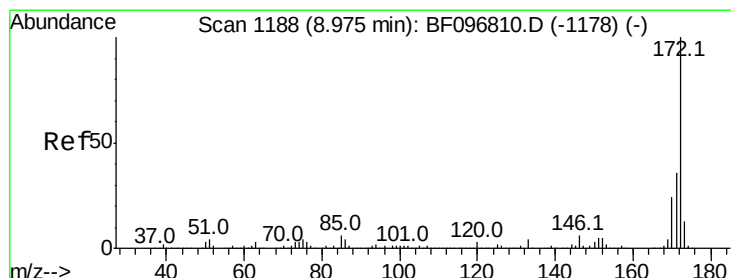
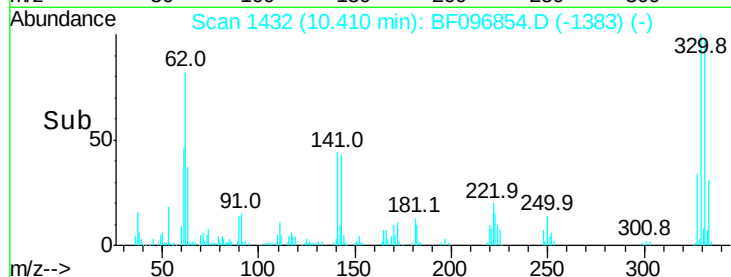
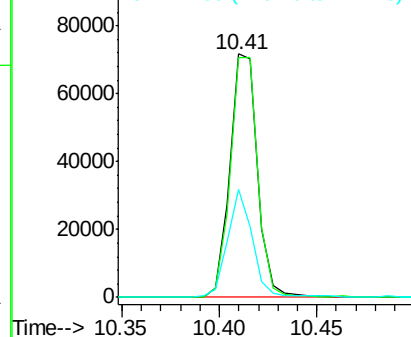
Tot Ion:	330	Resp:	70044
Ion Ratio	Lower	Upper	
330	100		
332	97.7	76.6	115.0
141	40.9	31.4	47.2

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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: 38.876 ng

RT: 8.96 min Scan# 1185

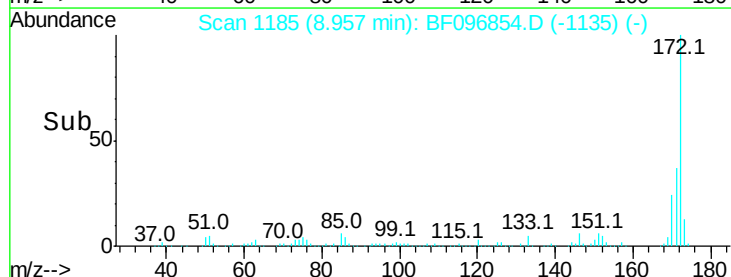
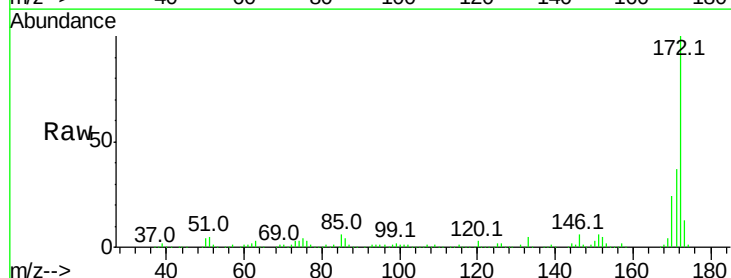
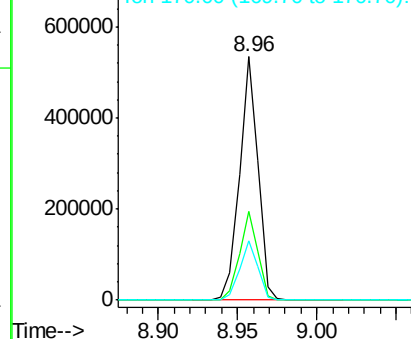
Delta R.T. -0.01 min

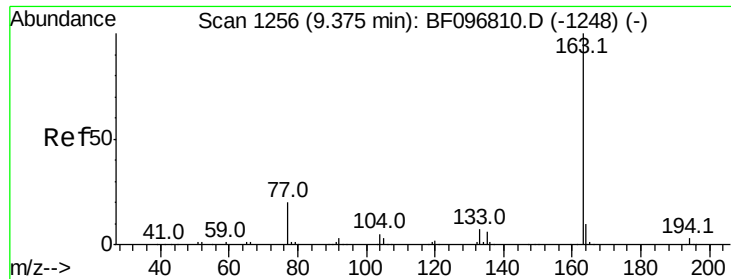
Lab File: BF096854.D

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Tgt Ion:	172	Resp:	432998
Ion Ratio	Lower	Upper	
172	100		
171	36.7	29.6	44.4
170	24.4	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





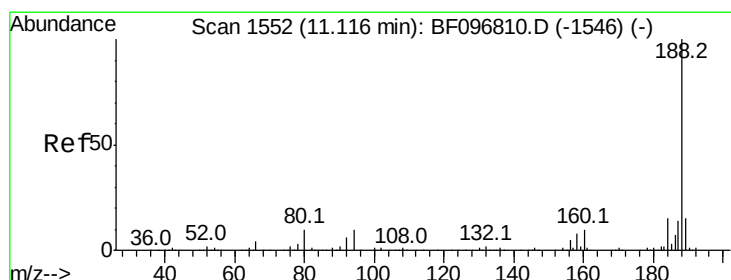
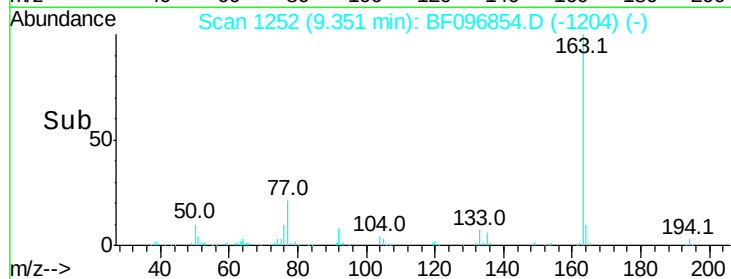
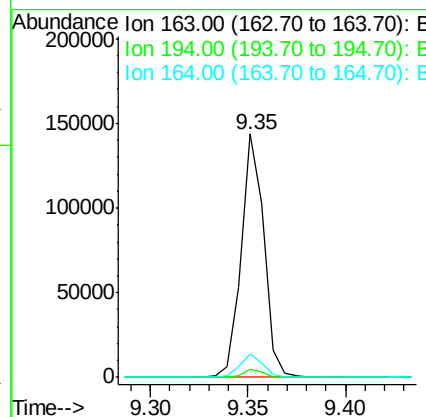
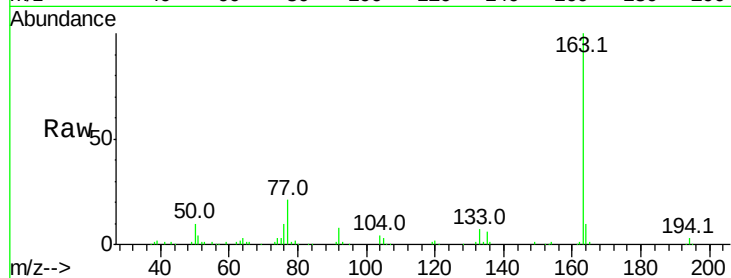
#49
Dimethylphthalate
Concen: 8.715 ng
RT: 9.35 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF096854.D
Acq: 18 Jul 2017 18:41

Instrument :
BNA_F
ClientSampleId :
PL-01-071717-B

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.1	2.6	4.0	
164	9.6	8.4	12.6	

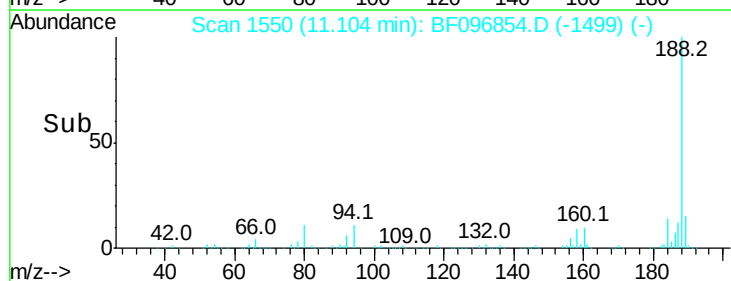
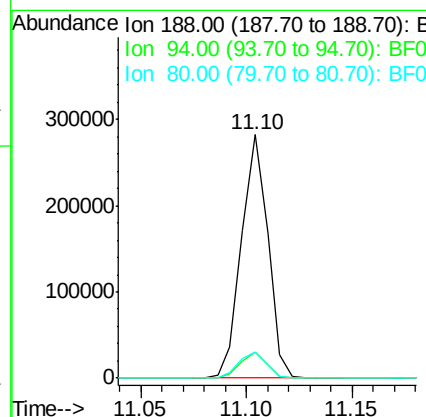
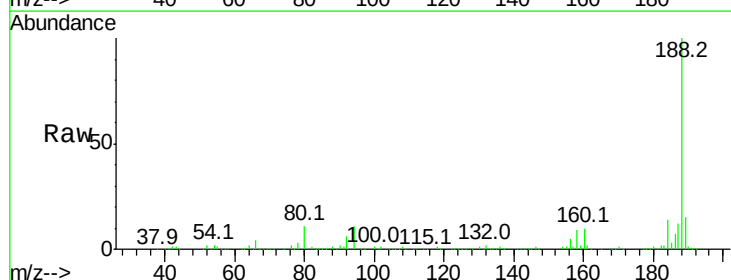
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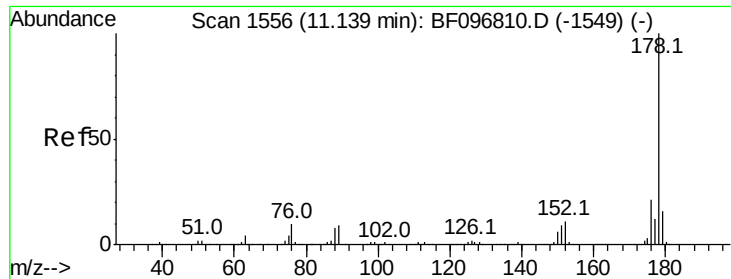
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.10 min Scan# 1550
Delta R.T. 0.00 min
Lab File: BF096854.D
Acq: 18 Jul 2017 18:41

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.9	9.4	14.2	
80	10.8	10.2	15.2	





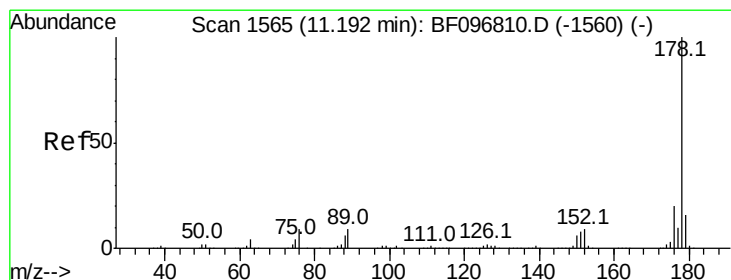
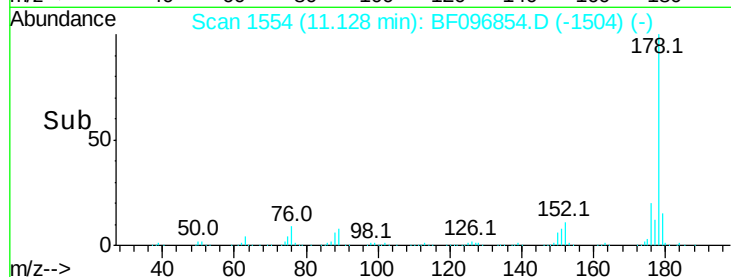
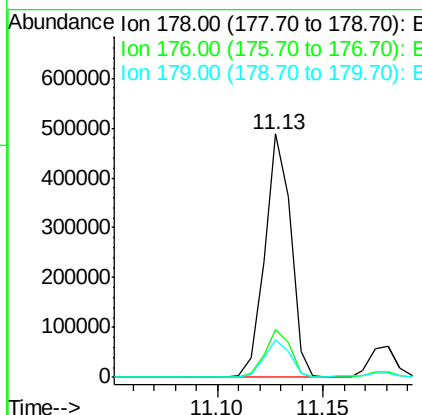
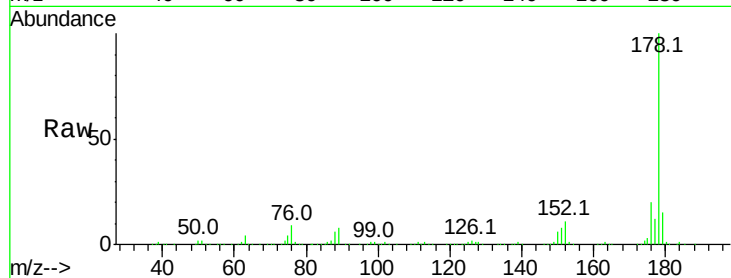
#70
Phenanthrene
Concen: 31.586 ng
RT: 11.13 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF096854.D
Acq: 18 Jul 2017 18:41

Instrument :
BNA_F
ClientSampleId :
PL-01-071717-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.2	24.4
179	15.4	12.6	19.0

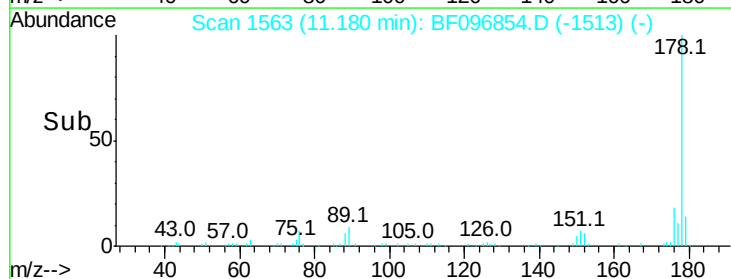
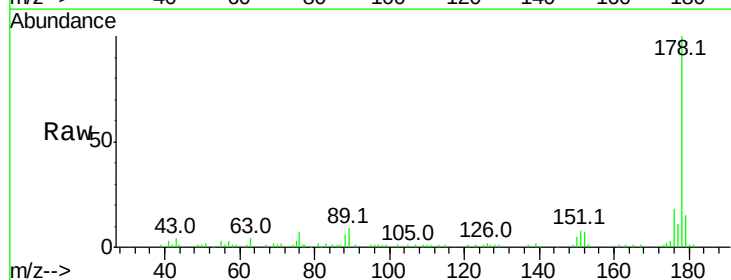
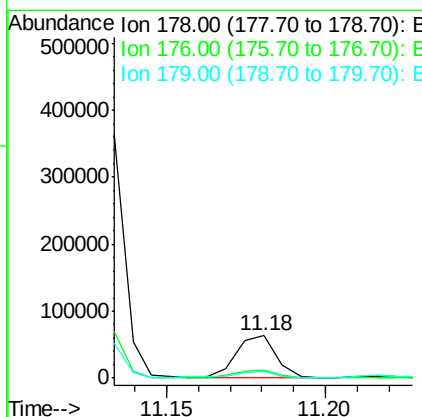
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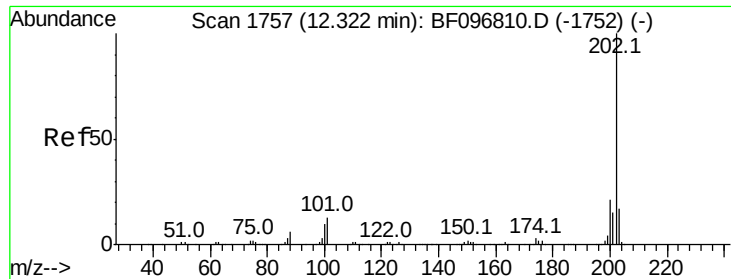
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#71
Anthracene
Concen: 4.017 ng
RT: 11.18 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF096854.D
Acq: 18 Jul 2017 18:41

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.8	23.8
179	15.3	12.7	19.1





#74

Fluoranthene

Concen: 49.944 ng

RT: 12.32 min Scan# 1756

Delta R.T. 0.00 min

Lab File: BF096854.D

Acq: 18 Jul 2017 18:41

Instrument :

BNA_F

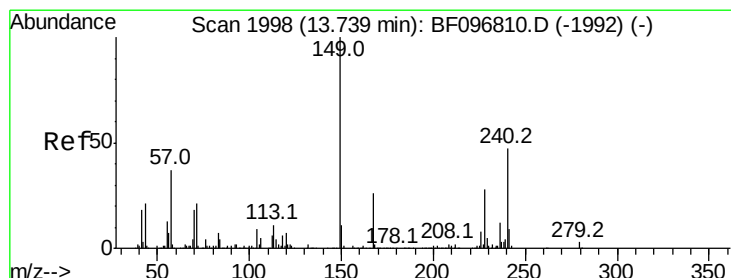
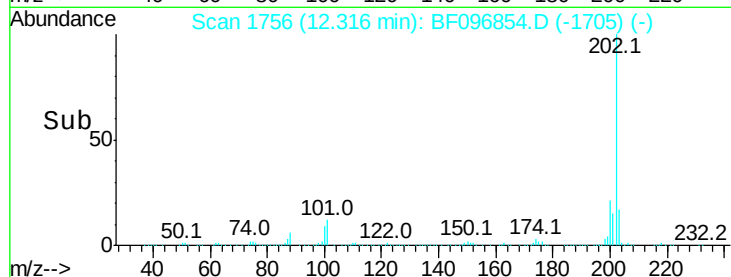
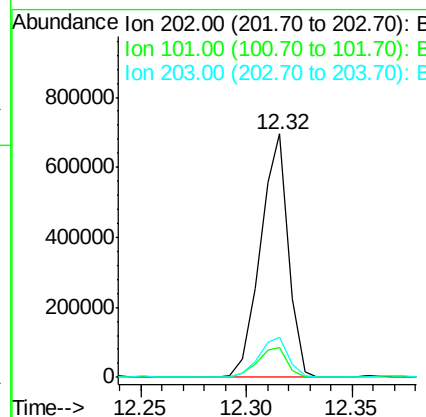
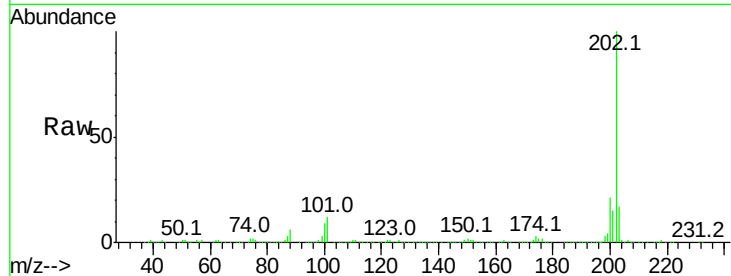
ClientSampleId :

PL-01-071717-B

Tot Ion:	202	Resp:	634816
Ion Ratio	Lower	Upper	
202	100		
101	12.5	0.0	33.2
203	16.6	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

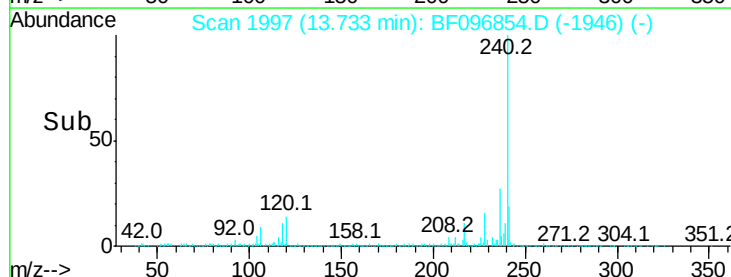
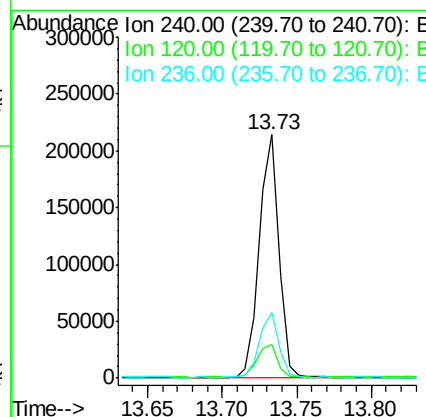
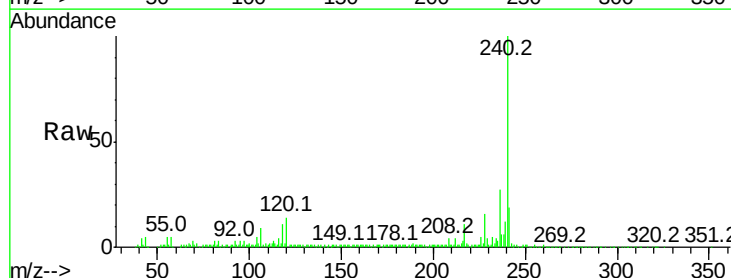
RT: 13.73 min Scan# 1997

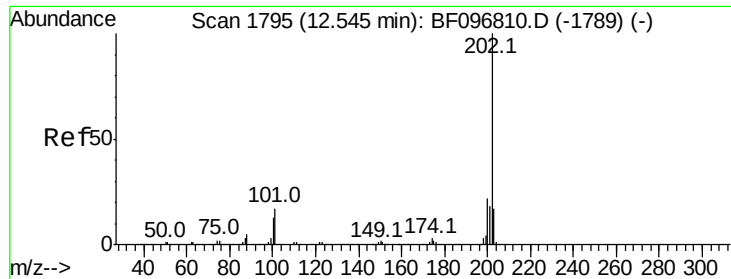
Delta R.T. 0.00 min

Lab File: BF096854.D

Acq: 18 Jul 2017 18:41

Tgt Ion:	240	Resp:	195147
Ion Ratio	Lower	Upper	
240	100		
120	14.1	5.8	8.8#
236	26.8	20.5	30.7





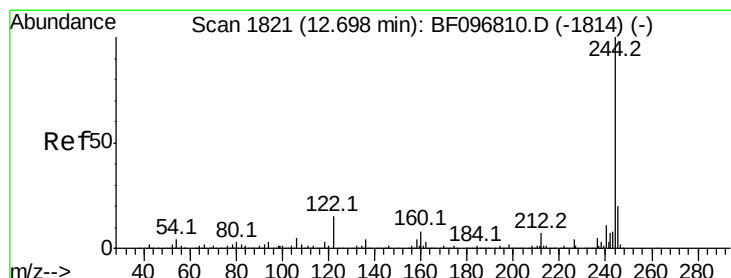
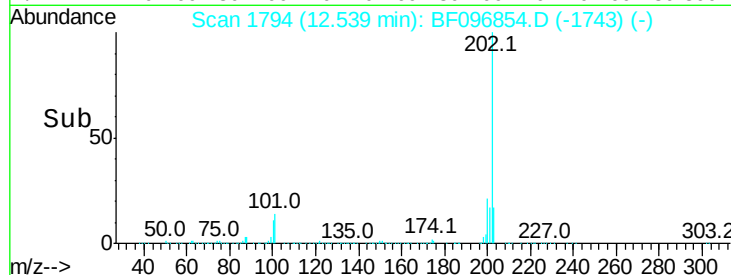
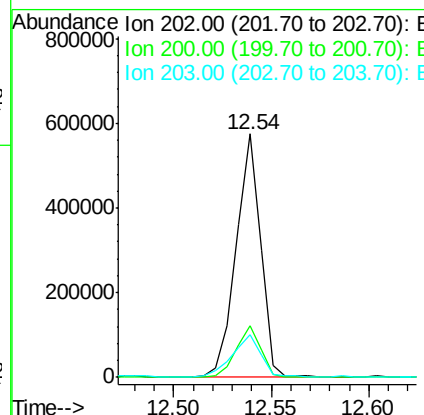
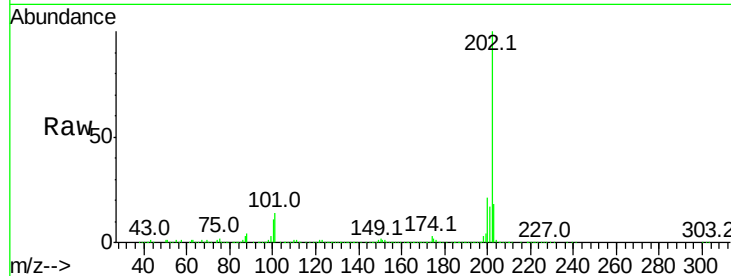
#77
Pvrene
Concen: 28.232 ng
RT: 12.54 min Scan# 1794
Delta R.T. 0.00 min
Lab File: BF096854.D
Acq: 18 Jul 2017 18:41

Instrument :
BNA_F
ClientSampleId :
PL-01-071717-B

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.3	17.6	26.4
203	17.6	14.4	21.6

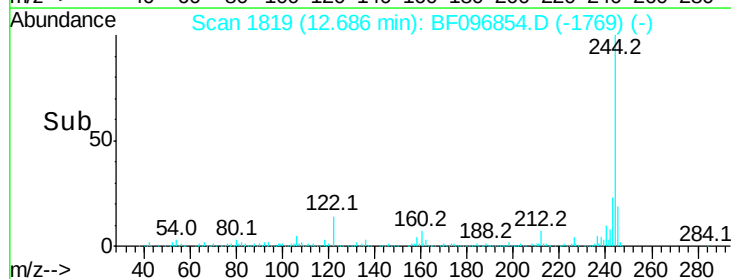
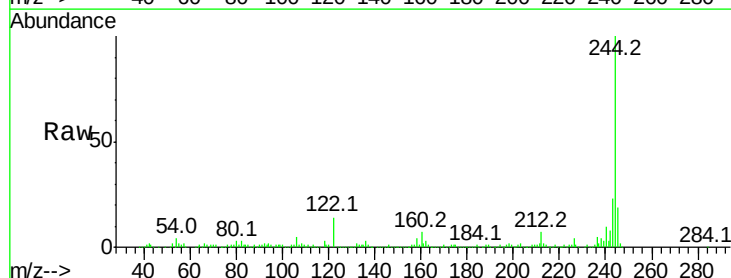
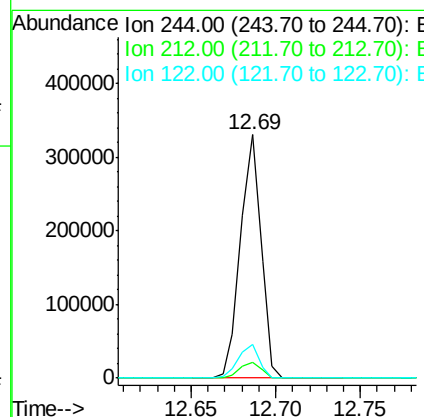
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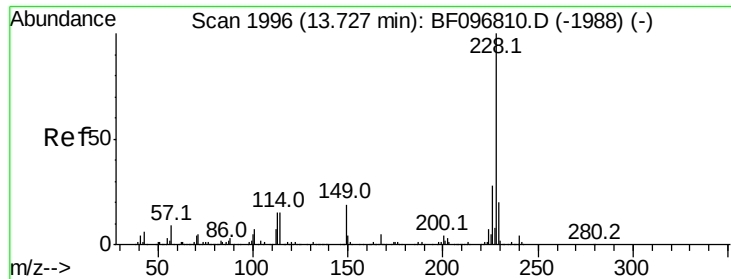
mohammad
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#78
Terphenyl-d14
Concen: 24.970 ng
RT: 12.69 min Scan# 1819
Delta R.T. -0.01 min
Lab File: BF096854.D
Acq: 18 Jul 2017 18:41

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.7	6.0	9.0
122	13.6	10.3	15.5





#80

Benzo(a)anthracene

Concen: 13.957 ng

RT: 13.72 min Scan# 1995

Delta R.T. 0.00 min

Lab File: BF096854.D

Acq: 18 Jul 2017 18:41

Instrument :

BNA_F

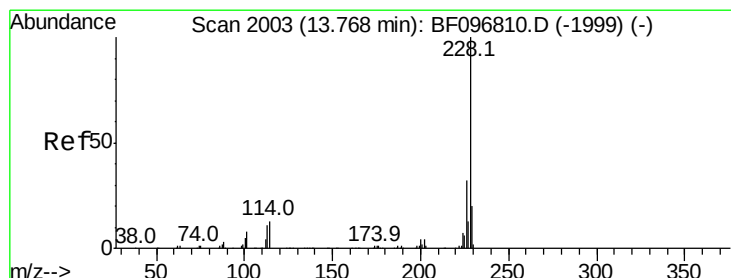
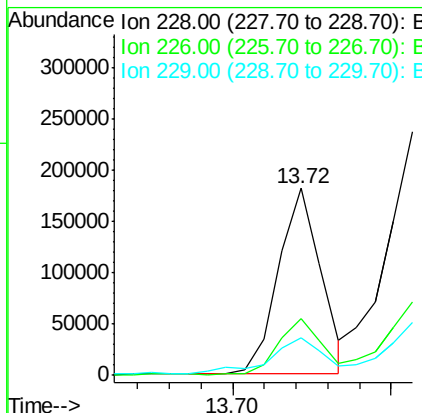
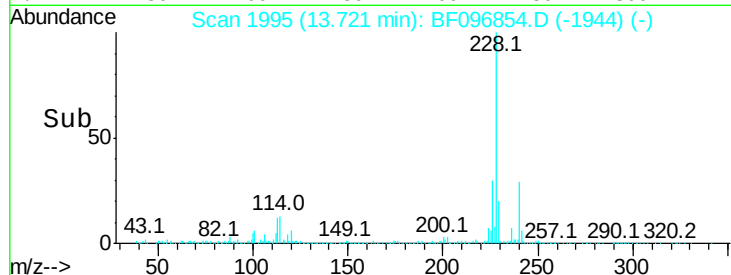
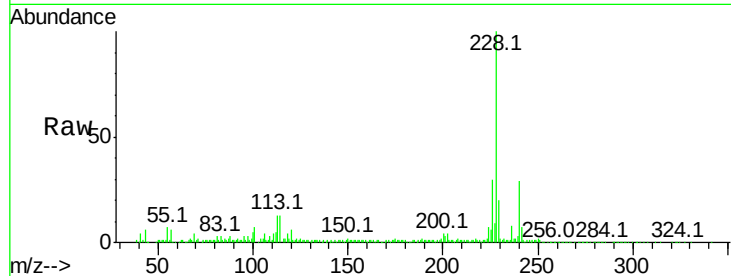
ClientSampleId :

PL-01-071717-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.6	33.8
229	20.4	16.3	24.5

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#82

Chrysene

Concen: 19.168 ng

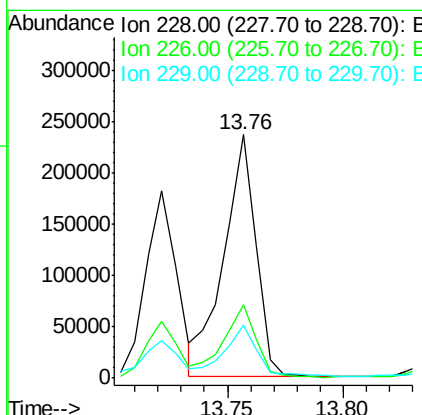
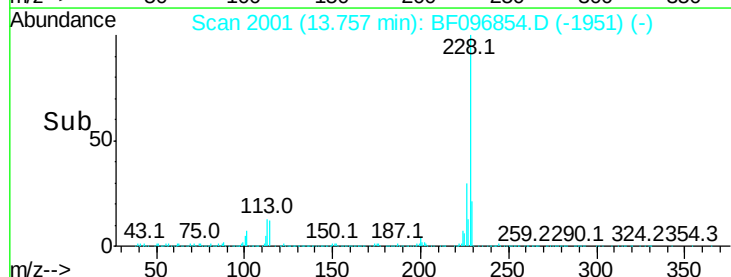
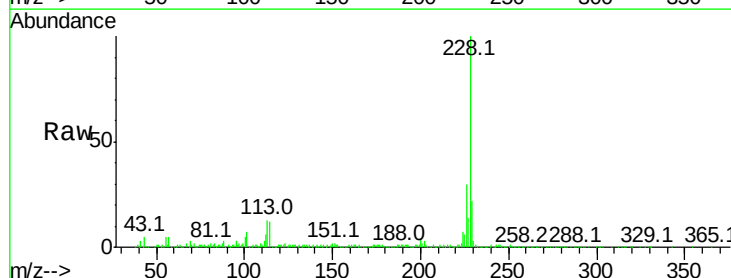
RT: 13.76 min Scan# 2001

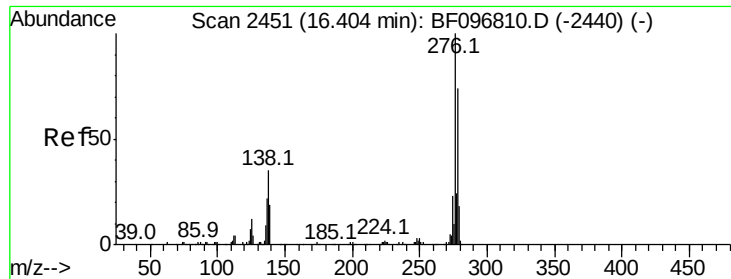
Delta R.T. -0.01 min

Lab File: BF096854.D

Acq: 18 Jul 2017 18:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.9	37.3
229	21.9	15.8	23.6





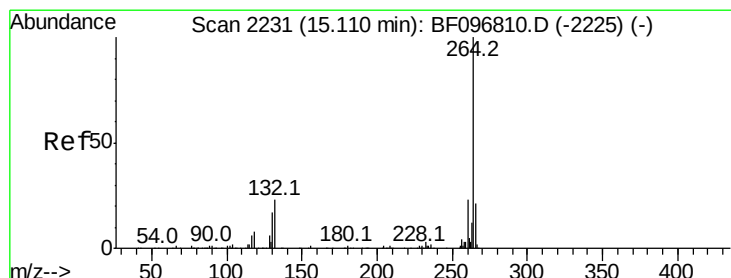
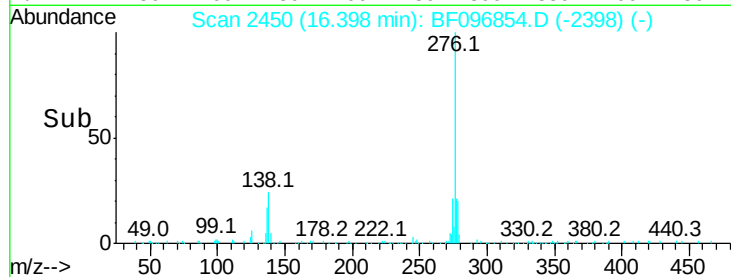
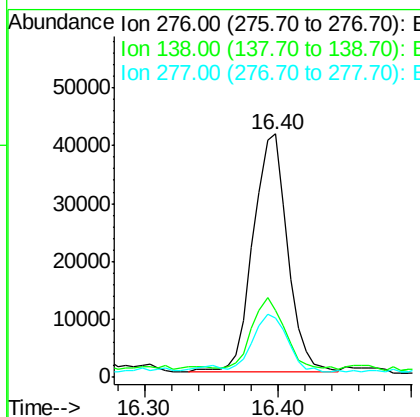
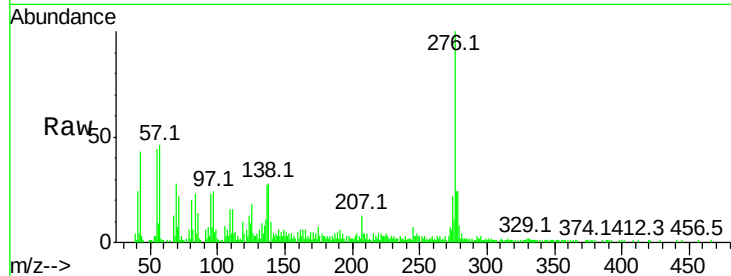
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 9.613 ng
 RT: 16.40 min Scan# 2450
 Delta R.T. 0.01 min
 Lab File: BF096854.D
 Acq: 18 Jul 2017 18:41

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-071717-B

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.2	27.8	41.6
277	24.8	20.2	30.4

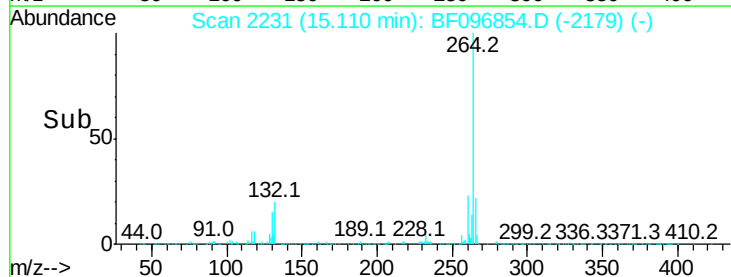
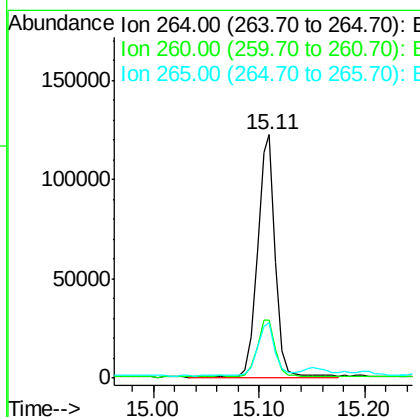
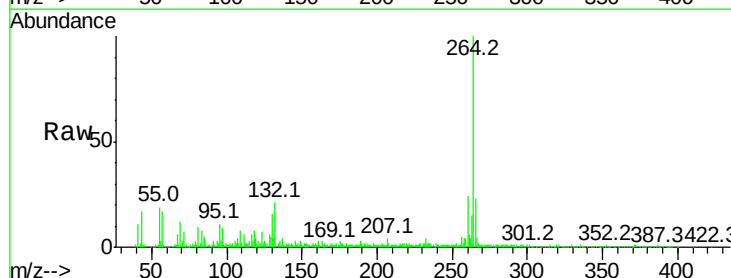
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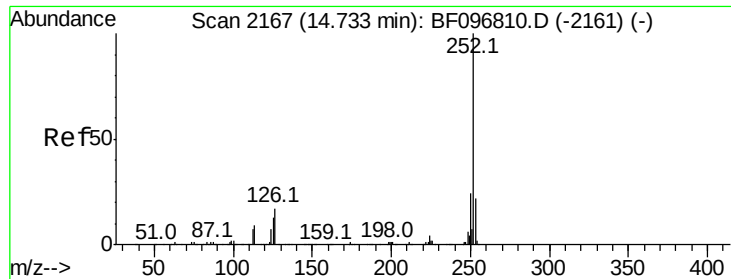
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.11 min Scan# 2231
 Delta R.T. 0.01 min
 Lab File: BF096854.D
 Acq: 18 Jul 2017 18:41

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.5	29.3
265	22.7	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 24.038 ng m

RT: 14.73 min Scan# 2167

Delta R.T. 0.01 min

Lab File: BF096854.D

Acq: 18 Jul 2017 18:41

Instrument :

BNA_F

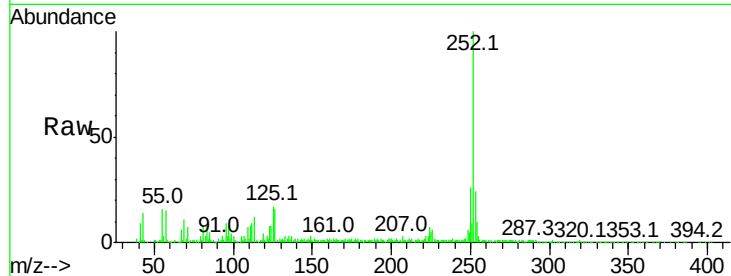
ClientSampleId :

PL-01-071717-B

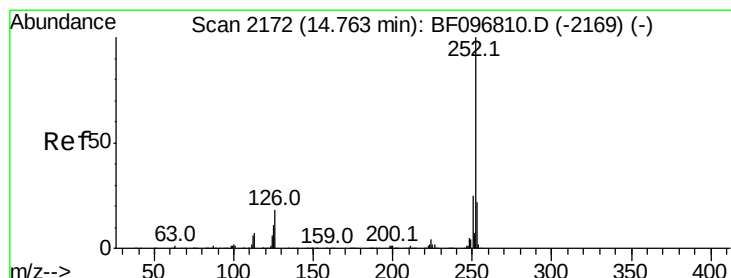
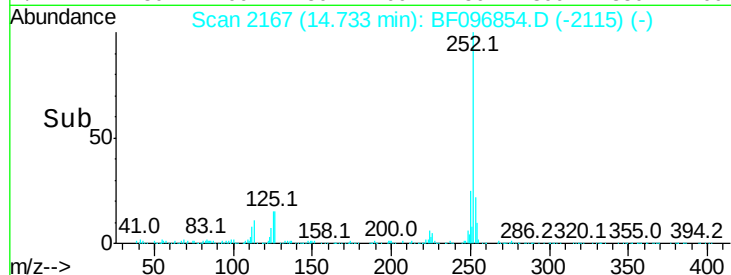
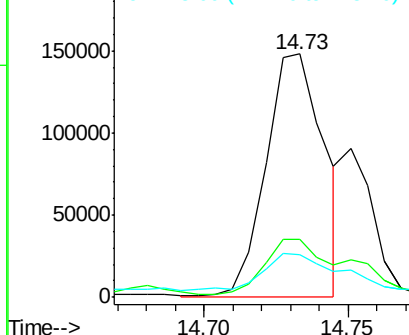
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.1	27.1
125	17.4	9.8	14.8

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



#88

Benzo(k)fluoranthene

Concen: 7.949 ng m

RT: 14.75 min Scan# 2170

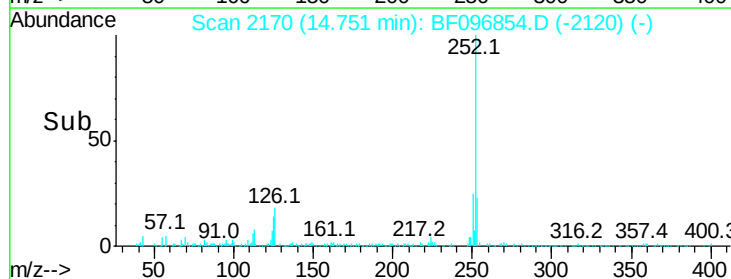
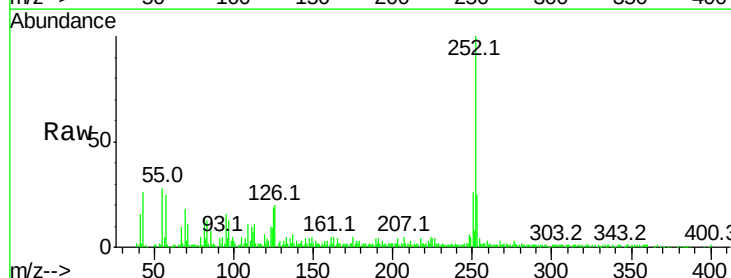
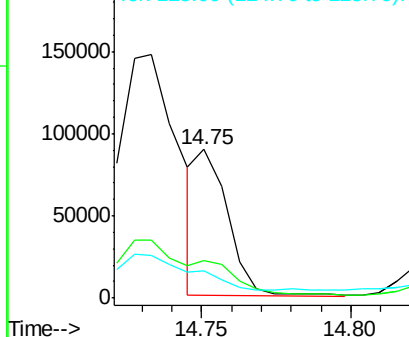
Delta R.T. -0.01 min

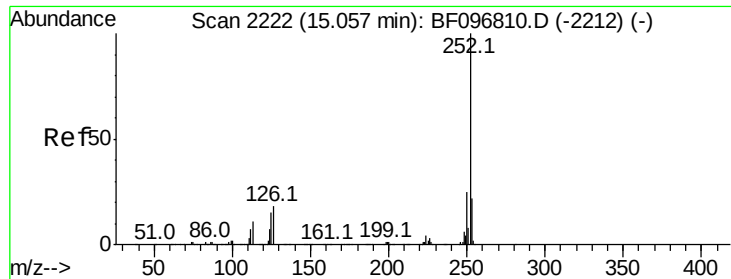
Lab File: BF096854.D

Acq: 18 Jul 2017 18:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.4	27.6
125	18.6	13.1	19.7

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





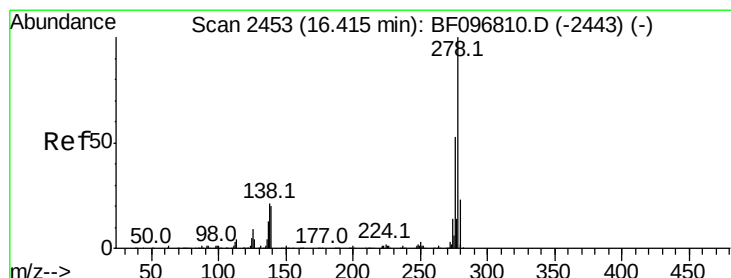
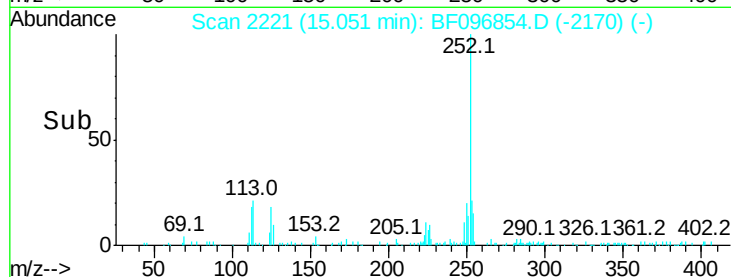
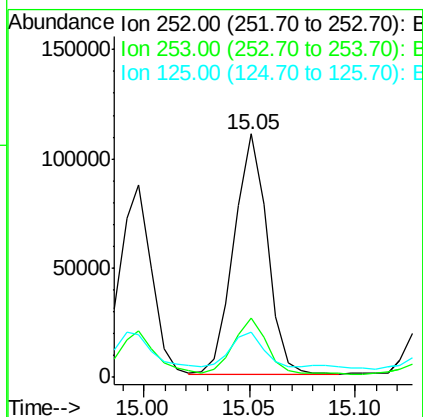
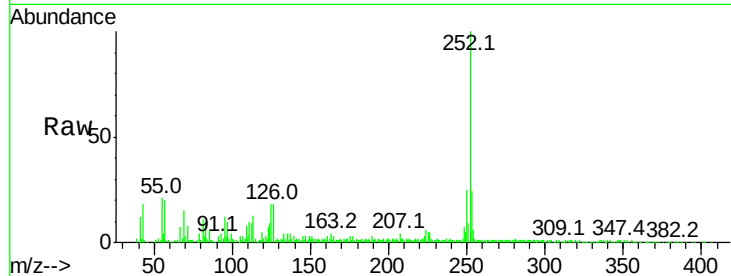
#89
Benzo(a)pyrene
Concen: 14.906 ng
RT: 15.05 min Scan# 2221
Delta R.T. 0.00 min
Lab File: BF096854.D
Acq: 18 Jul 2017 18:41

Instrument :
BNA_F
ClientSampleId :
PL-01-071717-B

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	24.3	17.5	26.3
125	18.4	11.0	16.4

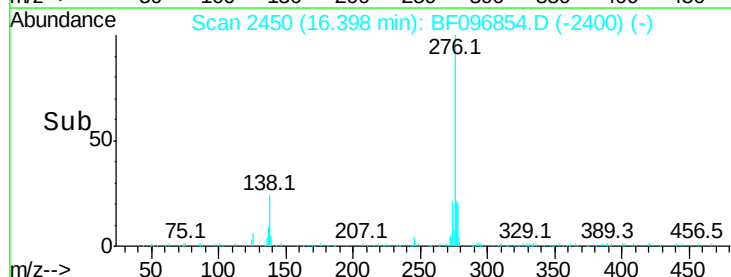
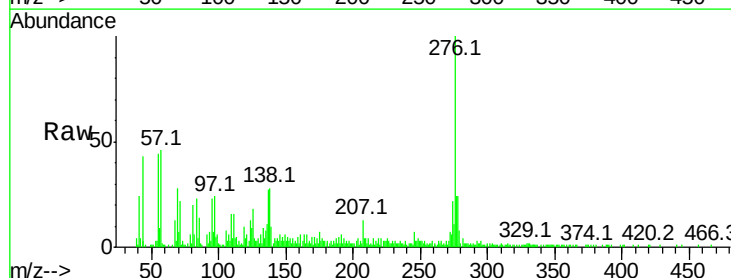
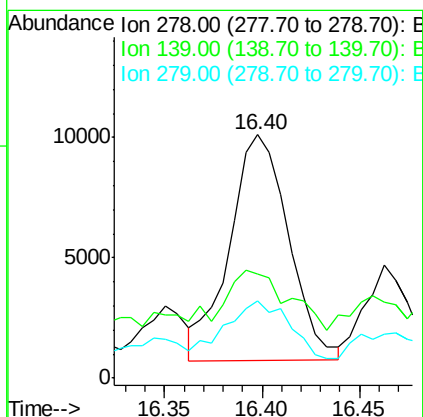
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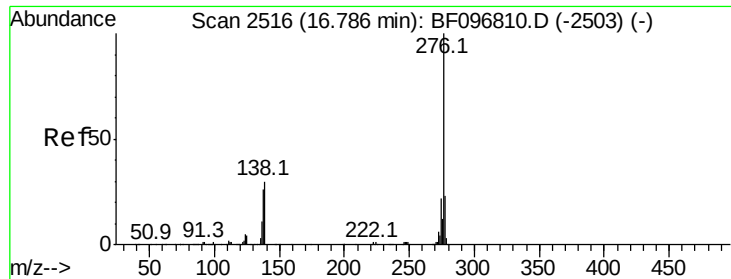
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#90
Dibenzo(a,h)anthracene
Concen: 2.669 ng
RT: 16.40 min Scan# 2450
Delta R.T. -0.01 min
Lab File: BF096854.D
Acq: 18 Jul 2017 18:41

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	42.9	16.6	24.8
279	31.9	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 8.415 ng
 RT: 16.78 min Scan# 2515
 Delta R.T. 0.00 min
 Lab File: BF096854.D
 Acq: 18 Jul 2017 18:41

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-071717-B

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.4	18.6	28.0
138	36.5	25.4	38.0

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