

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071817\
 Data File : BF096853.D
 Acq On : 18 Jul 2017 18:10
 Operator : SJ/JU
 Sample : I4245-10
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

mohammad
 7/19/2017 2:31:34 PM

Quant Time: Jul 19 13:28:42 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	115413	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	463186	20.00	ng	0.00
38) Acenaphthene-d10	9.63	164	177236	20.00	ng	0.00
63) Phenanthrene-d10	11.10	188	245911	20.00	ng	0.00
75) Chrysene-d12	13.73	240	203684	20.00	ng	0.00
86) Perylene-d12	15.11	264	147123	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	670565	87.36	ng	0.00
7) Phenol-d6	6.25	99	787497	85.49	ng	0.00
23) Nitrobenzene-d5	7.16	82	458086	61.26	ng	0.00
41) 2,4,6-Tribromophenol	10.42	330	121157	80.08	ng	0.00
44) 2-Fluorobiphenyl	8.96	172	763053	68.02	ng	0.00
78) Terphenyl-d14	12.69	244	464988	39.59	ng	0.00
Target Compounds						
10) Phenol	6.26	94	27326	2.624	ng	93
49) Dimethylphthalate	9.35	163	262000	19.632	ng	100
70) Phenanthrene	11.13	178	103742	7.759	ng	98
71) Anthracene	11.17	178	38098	2.818	ng	99
74) Fluoranthene	12.31	202	207245	16.193	ng	96
77) Pyrene	12.53	202	204685	11.073	ng	98
80) Benzo(a)anthracene	13.72	228	102180m	8.051	ng	
82) Chrysene	13.75	228	101530	8.126	ng	97
85) Indeno(1,2,3-cd)pyrene	16.40	276	42788	6.877	ng	93
87) Benzo(b)fluoranthene	14.73	252	114606m	12.916	ng	
88) Benzo(k)fluoranthene	14.75	252	30621m	3.644	ng	
89) Benzo(a)pyrene	15.05	252	73328	9.010	ng	# 85
91) Benzo(a,h,i)perylene	16.78	276	42219	5.265	ng	# 90

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

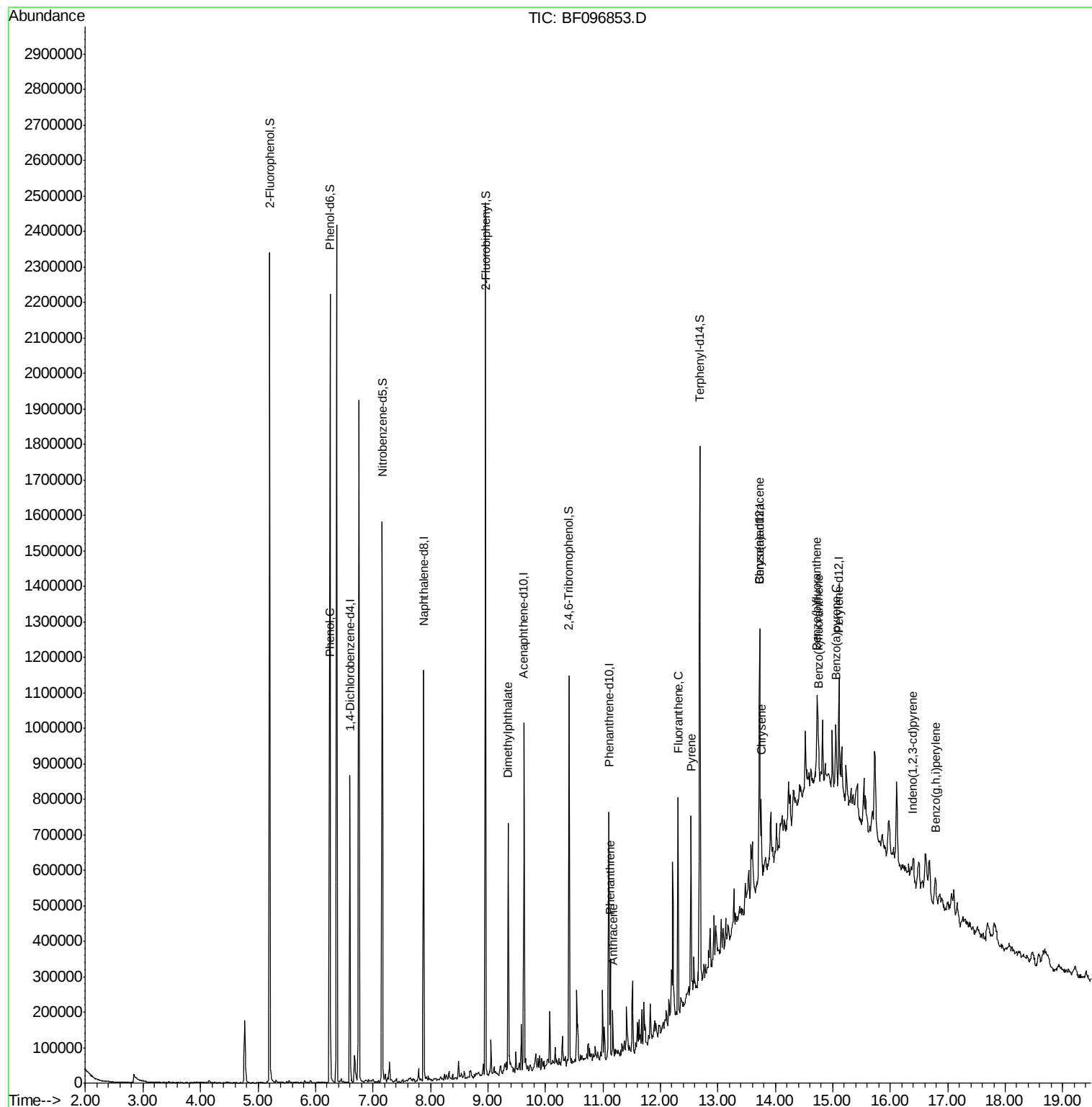
Data Path : Z:\HPCHEM1\BNA F\DATA\BF071817\
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Misc :
ALS Vial : 20 Sample Multiplier: 1

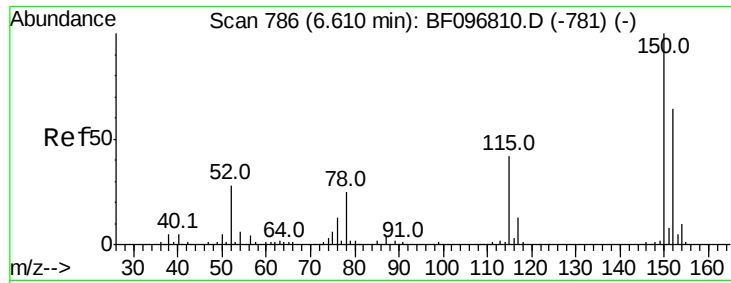
Instrument :
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PL-01-071717-D

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#1

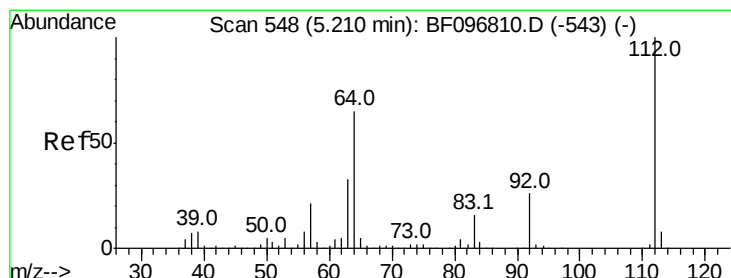
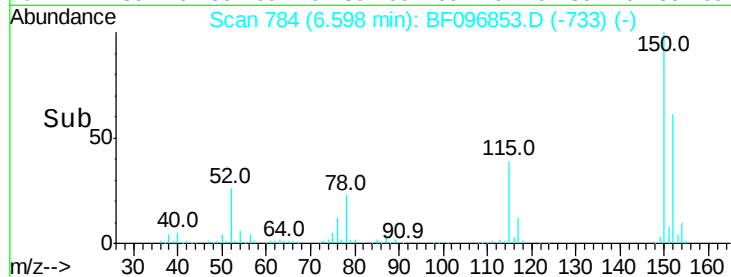
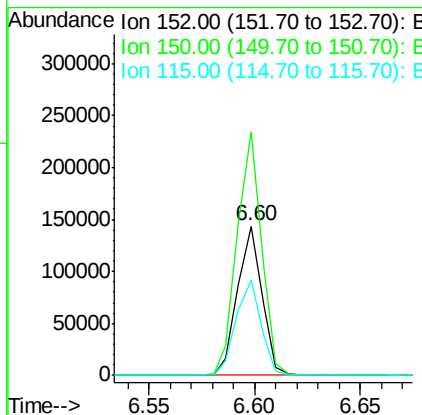
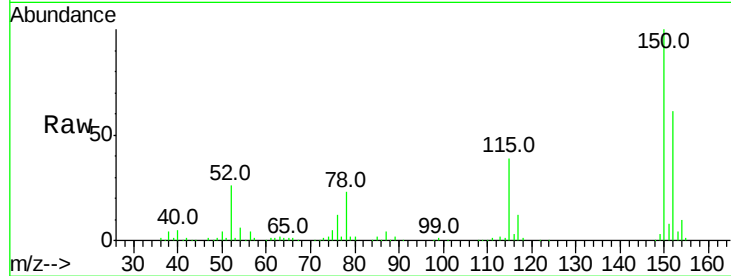
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.60 min Scan# 784
 Delta R.T. -0.00 min
 Lab File: BF096853.D
 Acq: 18 Jul 2017 18:10

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.2	126.2	189.2
115	63.9	52.2	78.2

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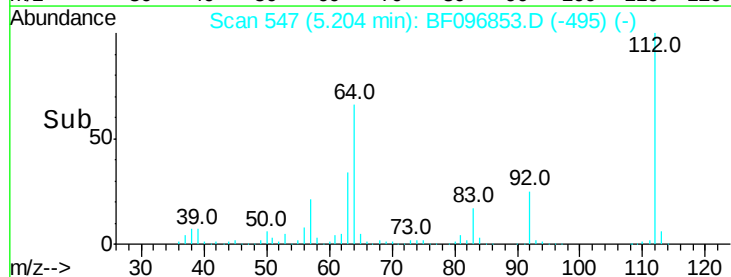
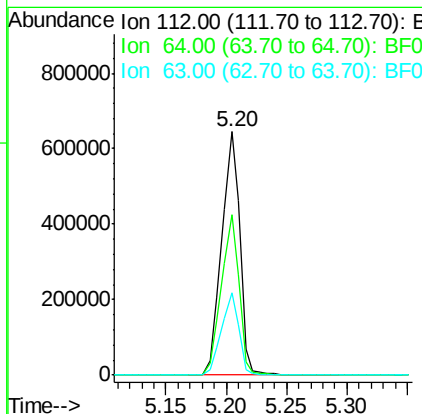
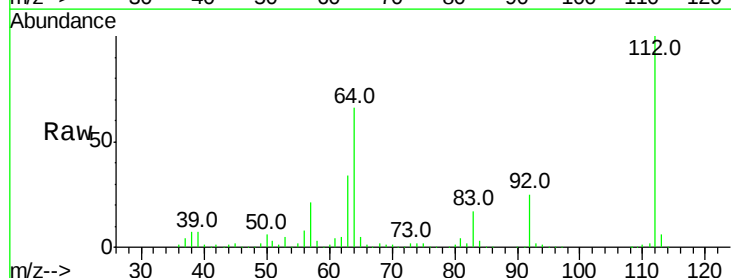
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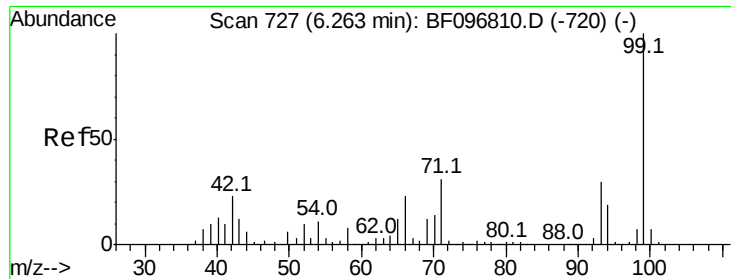


#5

2-Fluorophenol
 Concen: 87.360 ng
 RT: 5.20 min Scan# 547
 Delta R.T. 0.01 min
 Lab File: BF096853.D
 Acq: 18 Jul 2017 18:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.7	46.0	69.0
63	33.6	23.4	35.0





#7

Phenol-d6

Concen: 85.493 ng

RT: 6.25 min Scan# 725

Delta R.T. -0.00 min

Lab File: BF096853.D

Acq: 18 Jul 2017 18:10

Instrument :

BNA_F

ClientSampleId :

PL-01-071717-D

Tot Ion: 99 Resp: 787497

Ion Ratio Lower Upper

99 100

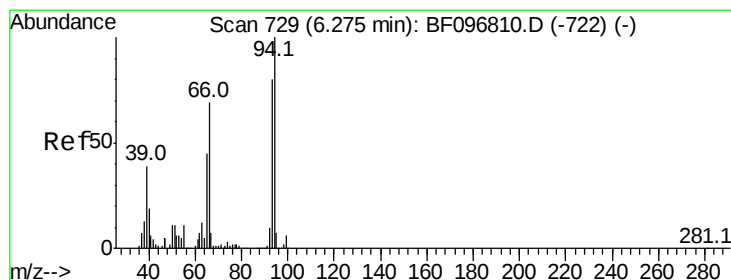
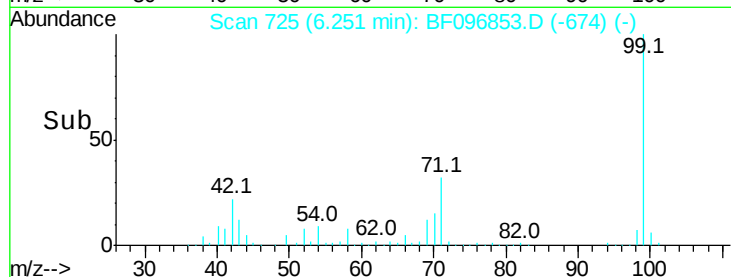
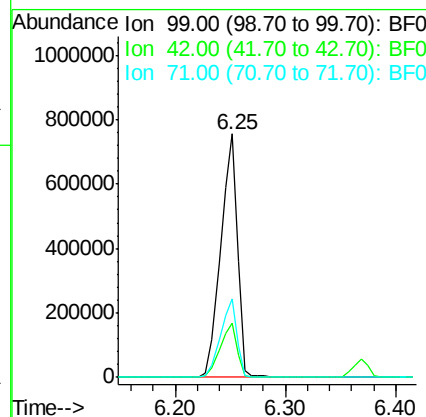
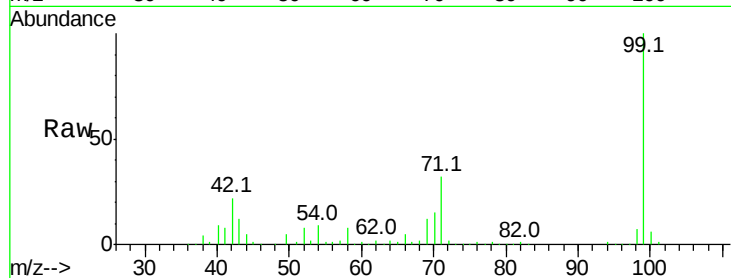
42 22.3 13.5 20.3#

71 32.0 24.5 36.7

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#10

Phenol

Concen: 2.624 ng

RT: 6.26 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF096853.D

Acq: 18 Jul 2017 18:10

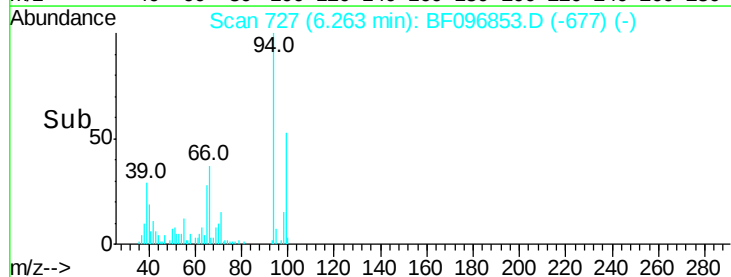
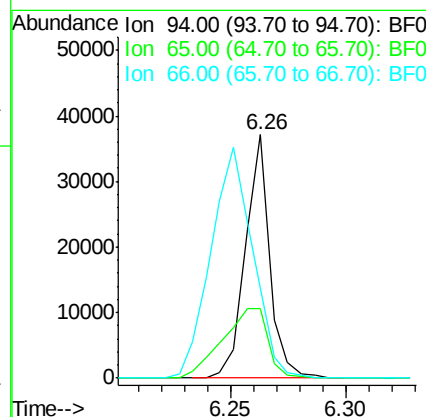
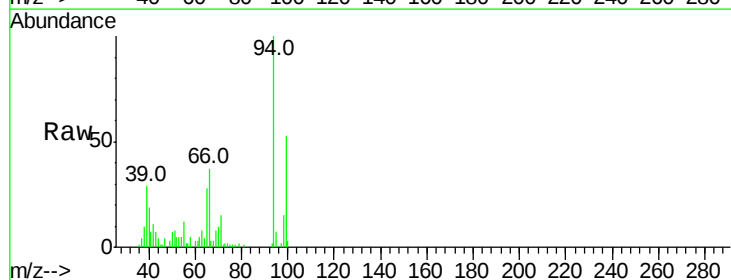
Tgt Ion: 94 Resp: 27326

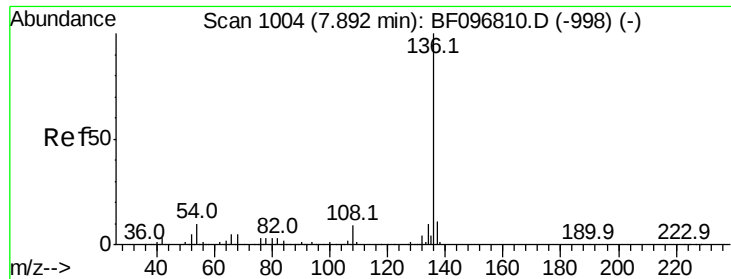
Ion Ratio Lower Upper

94 100

65 28.4 9.9 49.9

66 37.2 23.1 63.1





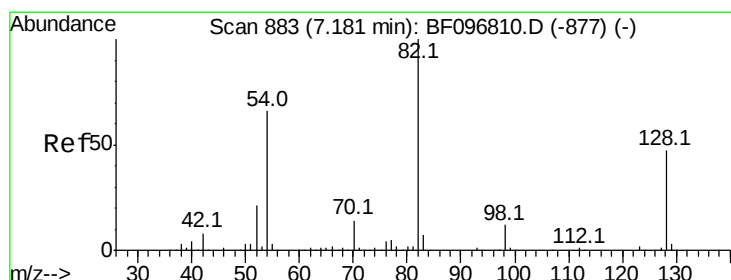
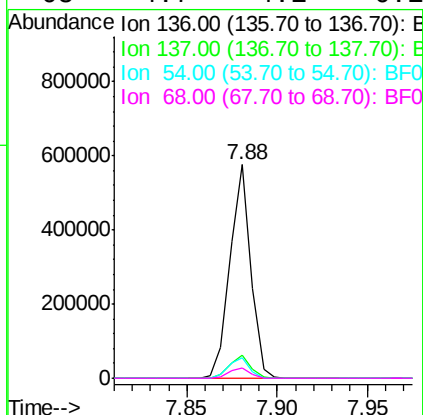
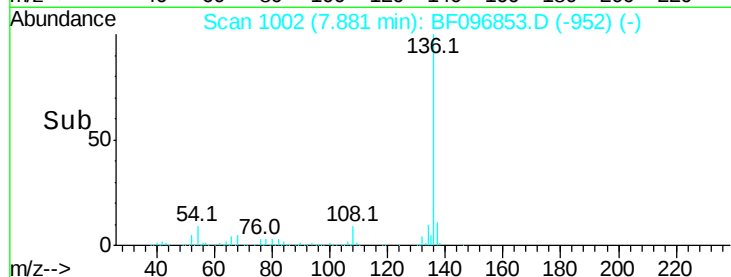
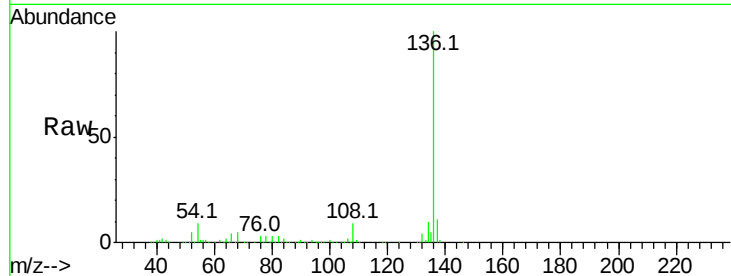
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.88 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF096853.D
Acq: 18 Jul 2017 18:10

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

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.7	8.5	12.7	
54	9.3	4.9	7.3	
68	4.7	4.1	6.1	

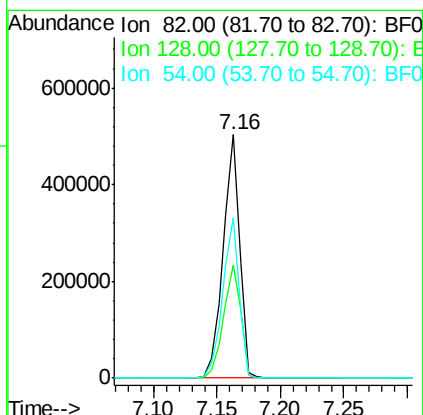
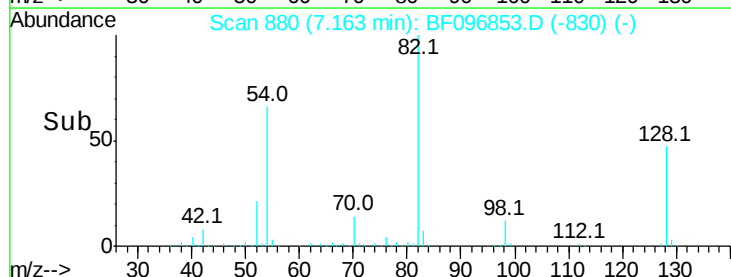
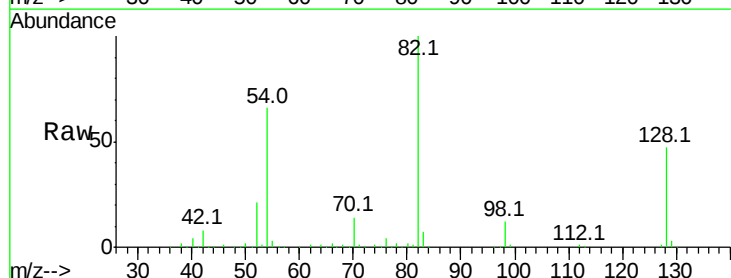
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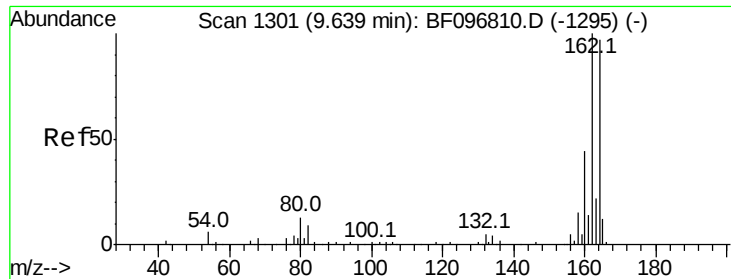
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#23
Nitrobenzene-d5
Concen: 61.259 ng
RT: 7.16 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF096853.D
Acq: 18 Jul 2017 18:10

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.6	34.0	51.0	
54	65.7	42.2	63.2	





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.63 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF096853.D

Acq: 18 Jul 2017 18:10

Instrument :

BNA_F

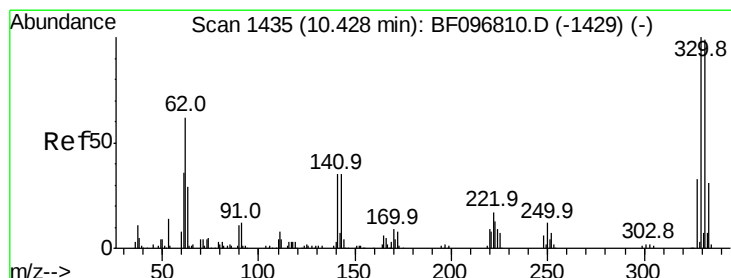
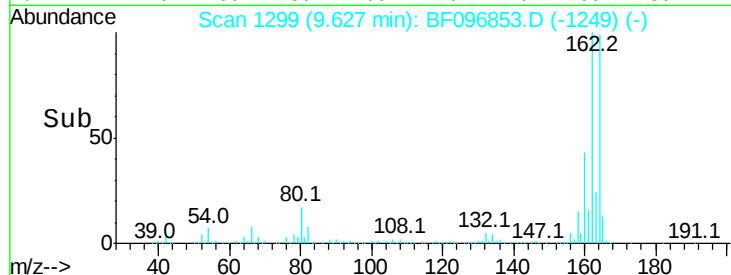
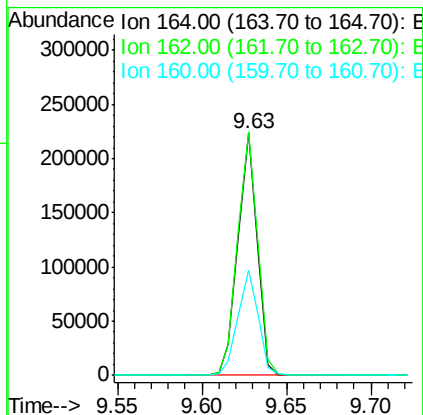
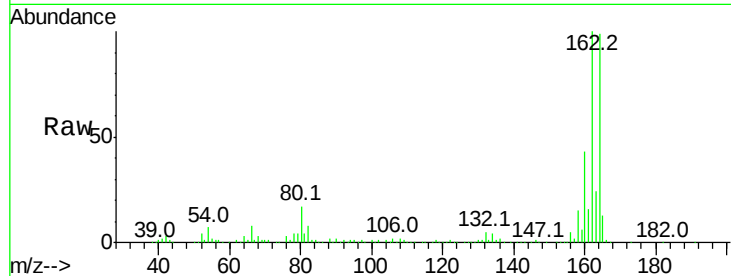
ClientSampleId :

PL-01-071717-D

Tot Ion:	164	Resp:	177236
Ion Ratio	Lower	Upper	
164	100		
162	100.6	82.6	123.8
160	43.4	36.2	54.2

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#41

2,4,6-Tribromophenol

Concen: 80.085 ng

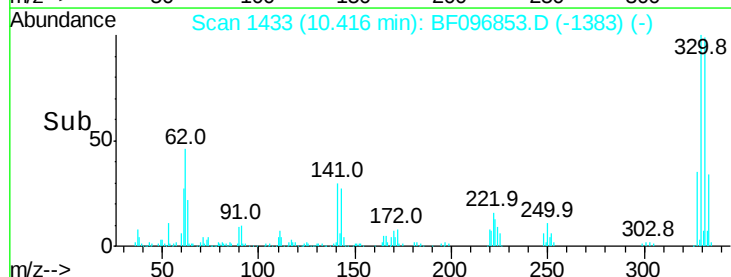
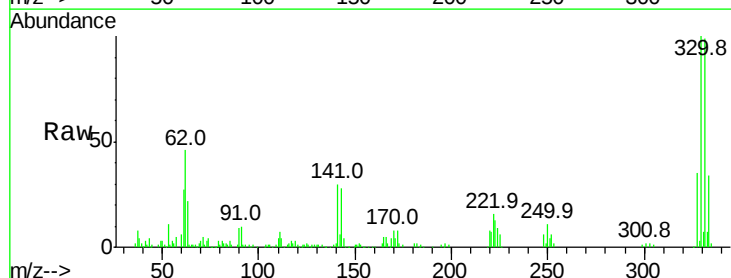
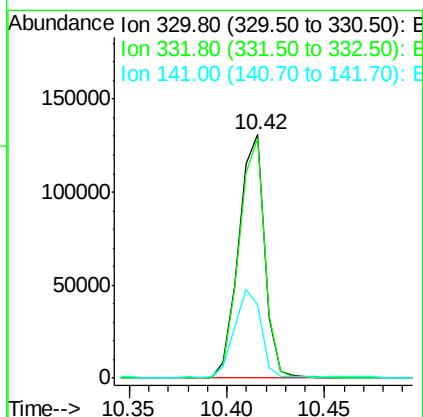
RT: 10.42 min Scan# 1433

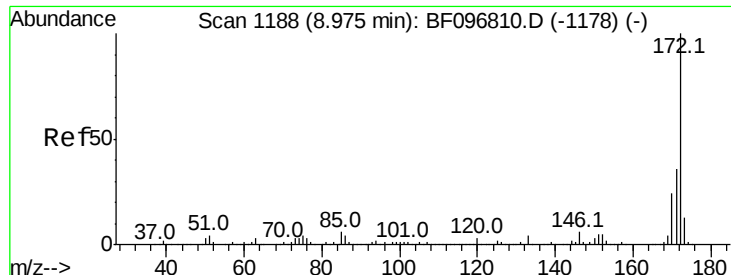
Delta R.T. -0.01 min

Lab File: BF096853.D

Acq: 18 Jul 2017 18:10

Tgt Ion:	330	Resp:	121157
Ion Ratio	Lower	Upper	
330	100		
332	97.7	76.6	115.0
141	37.3	31.4	47.2





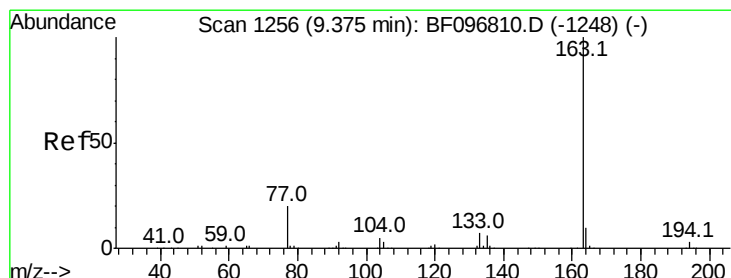
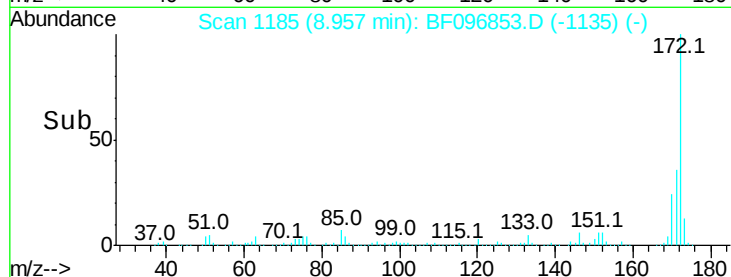
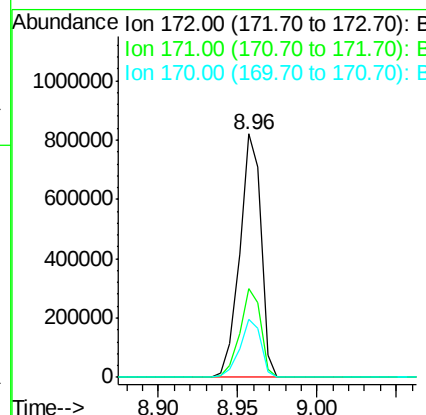
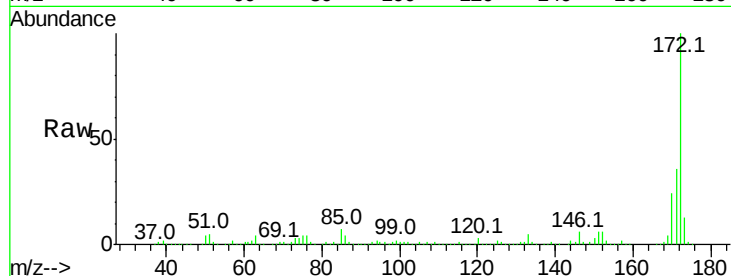
#44
2-Fluorobiphenyl
Concen: 68.020 ng
RT: 8.96 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF096853.D
Acq: 18 Jul 2017 18:10

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

Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	36.4	29.6	44.4
170	24.1	19.8	29.8

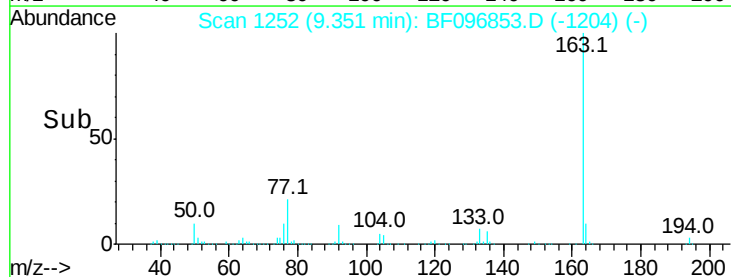
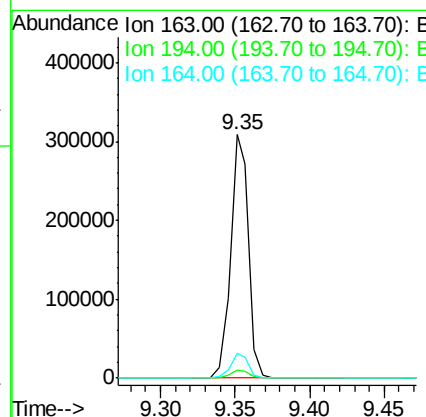
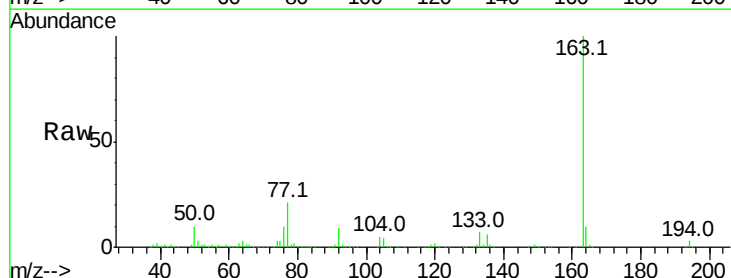
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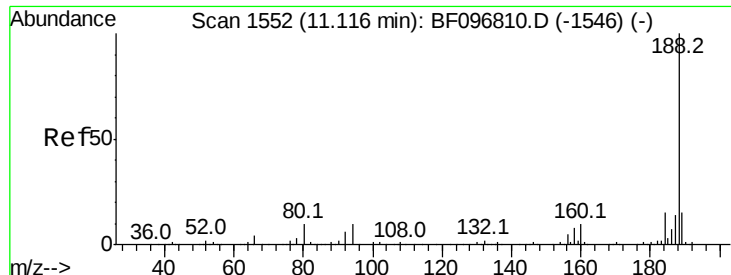
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#49
Dimethylphthalate
Concen: 19.632 ng
RT: 9.35 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF096853.D
Acq: 18 Jul 2017 18:10

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	3.2	2.6	4.0
164	10.3	8.4	12.6





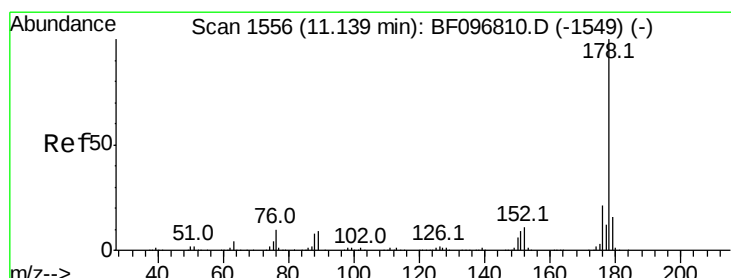
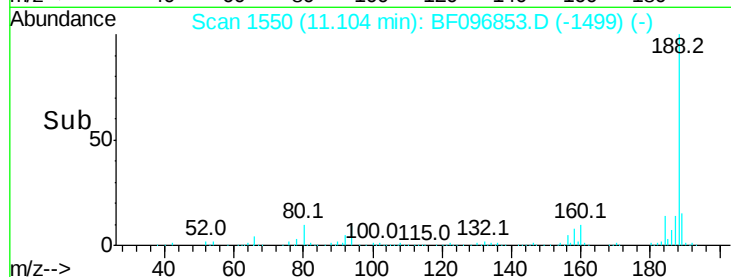
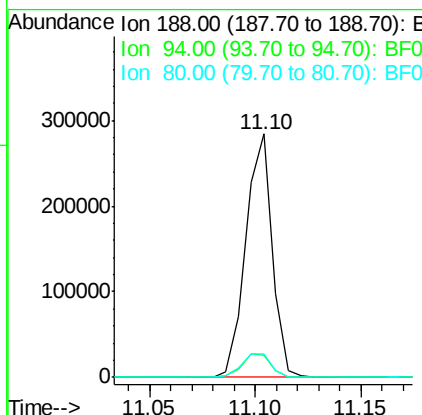
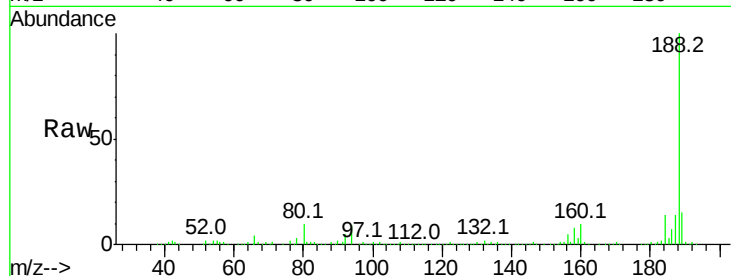
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.10 min Scan# 1550
Delta R.T. -0.00 min
Lab File: BF096853.D
Acq: 18 Jul 2017 18:10

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

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.2	9.4	14.2#
80	9.9	10.2	15.2#

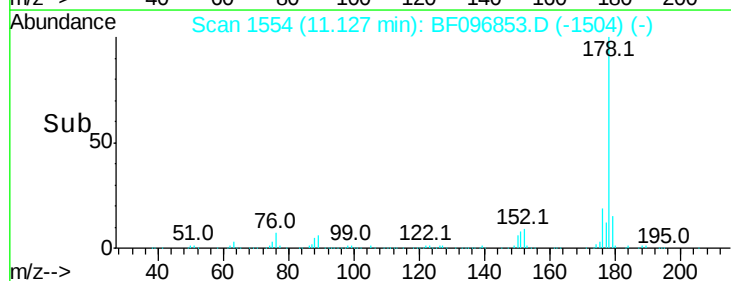
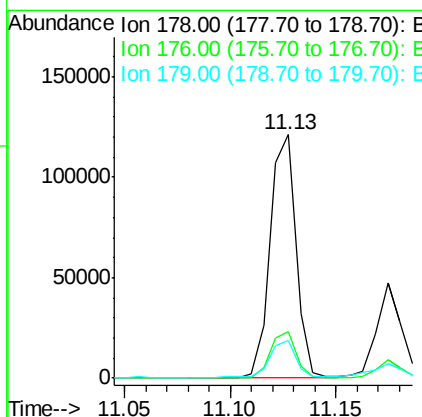
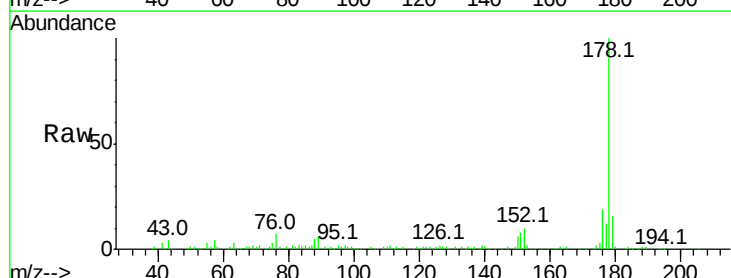
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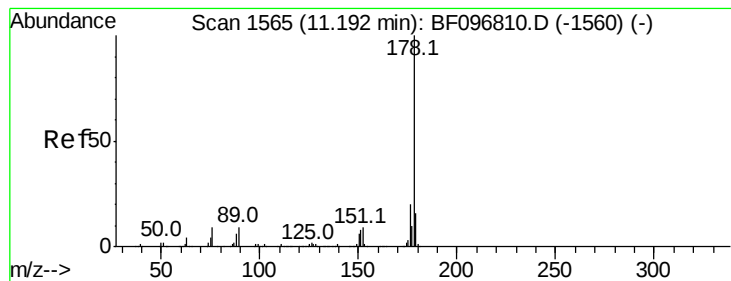
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#70
Phenanthrene
Concen: 7.759 ng
RT: 11.13 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF096853.D
Acq: 18 Jul 2017 18:10

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.1	16.2	24.4
179	15.6	12.6	19.0





#71

Anthracene

Concen: 2.818 ng

RT: 11.17 min Scan# 1562

Delta R.T. -0.01 min

Lab File: BF096853.D

Acq: 18 Jul 2017 18:10

Instrument :

BNA_F

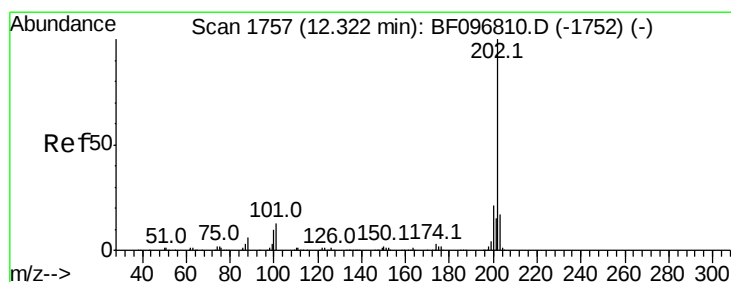
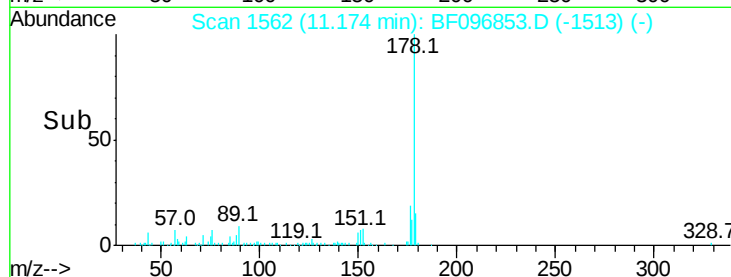
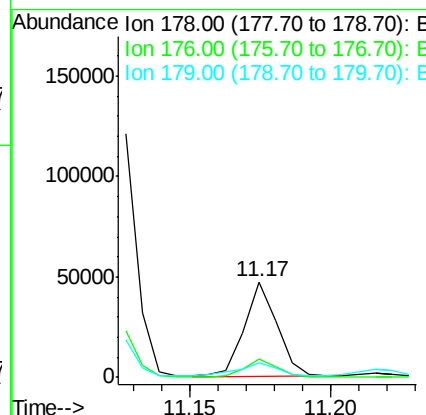
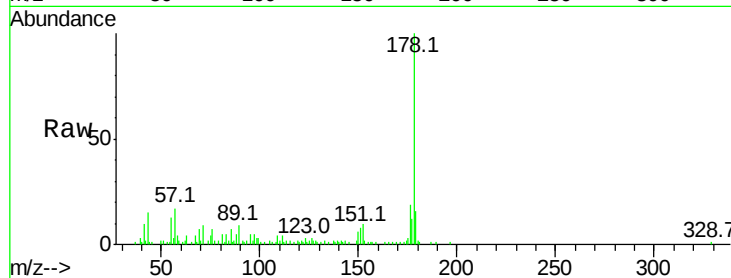
ClientSampleId :

PL-01-071717-D

Tot Ion:	178	Resp:	38098
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.8	23.8
179	15.7	12.7	19.1

Manual Integrations
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#74

Fluoranthene

Concen: 16.193 ng

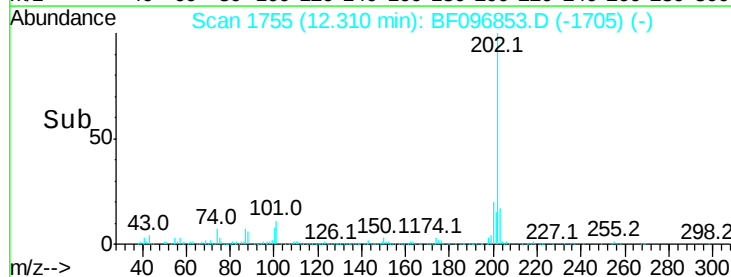
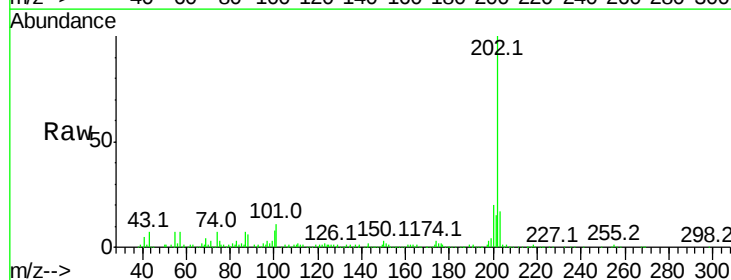
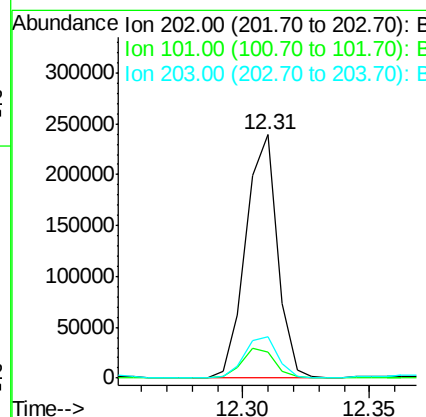
RT: 12.31 min Scan# 1755

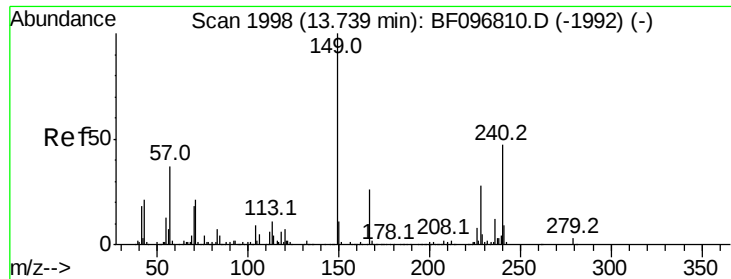
Delta R.T. -0.01 min

Lab File: BF096853.D

Acq: 18 Jul 2017 18:10

Tgt Ion:	202	Resp:	207245
Ion Ratio	Lower	Upper	
202	100		
101	10.8	0.0	33.2
203	17.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.73 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF096853.D

Acq: 18 Jul 2017 18:10

Instrument :

BNA_F

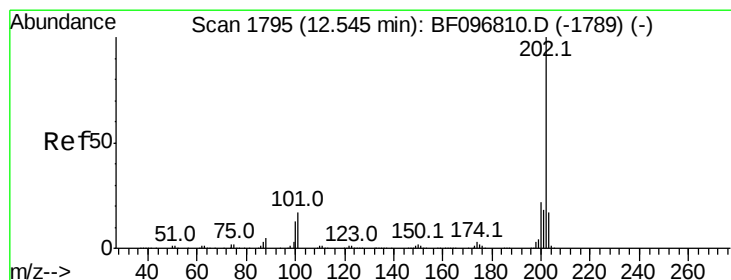
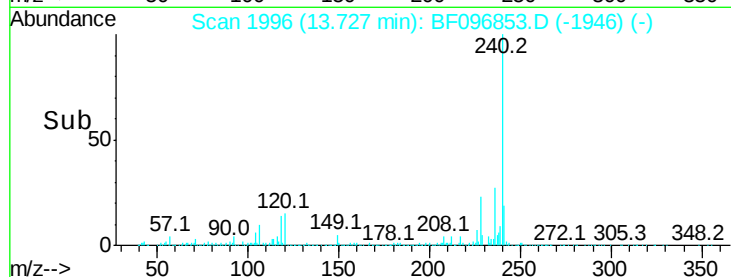
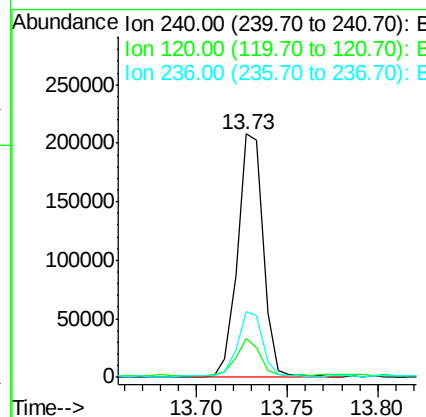
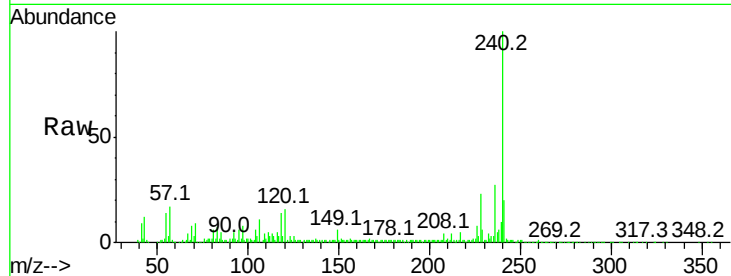
ClientSampleId :

PL-01-071717-D

Tot Ion:240 Resp: 203684
 Ion Ratio Lower Upper
 240 100
 120 16.0 5.8 8.8#
 236 27.1 20.5 30.7

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#77

Pyrene

Concen: 11.073 ng

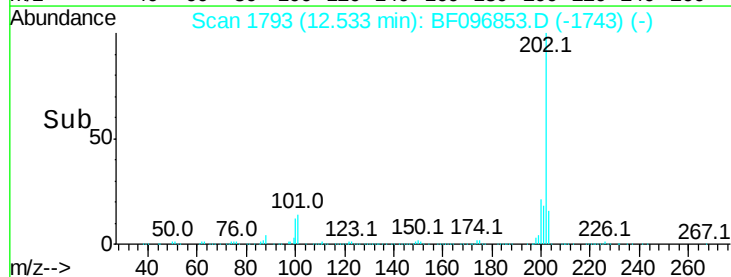
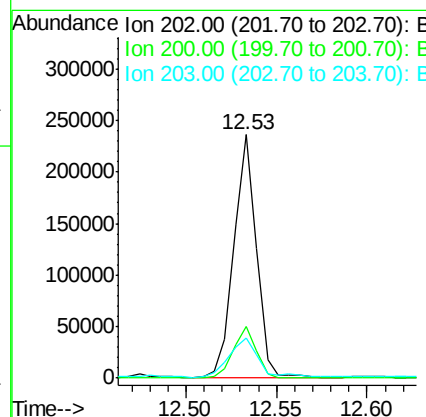
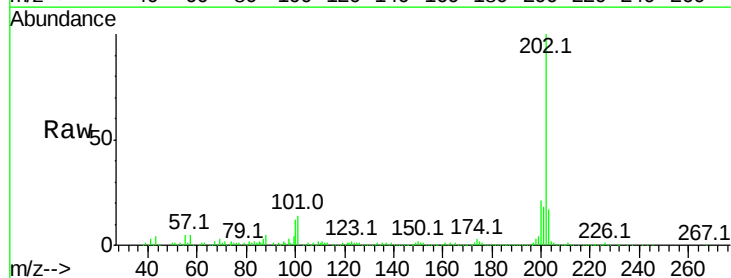
RT: 12.53 min Scan# 1793

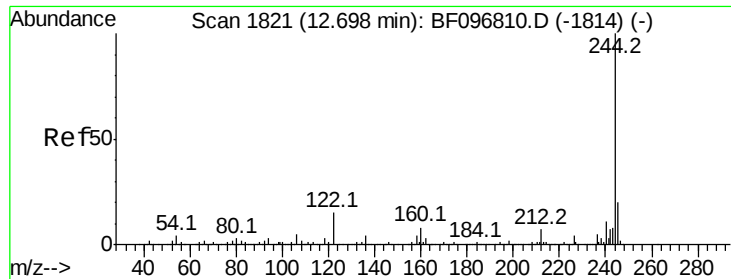
Delta R.T. -0.01 min

Lab File: BF096853.D

Acq: 18 Jul 2017 18:10

Tgt Ion:202 Resp: 204685
 Ion Ratio Lower Upper
 202 100
 200 21.4 17.6 26.4
 203 16.7 14.4 21.6





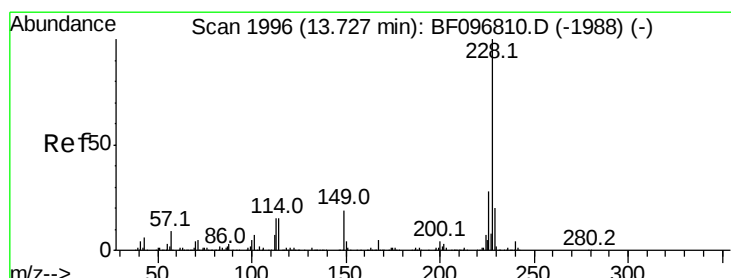
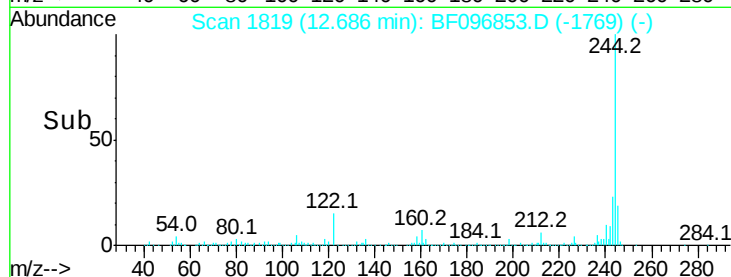
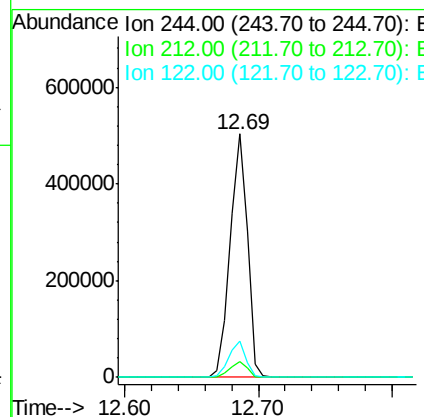
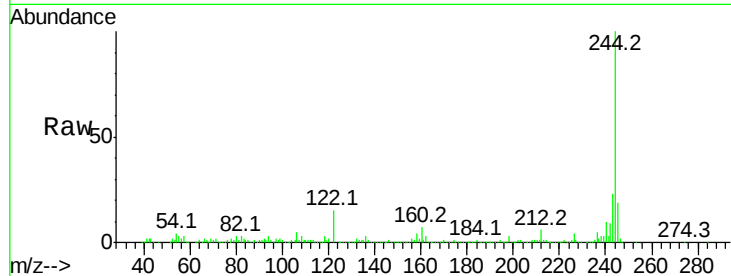
#78
 Terphenyl-d14
 Concen: 39.591 ng
 RT: 12.69 min Scan# 1819
 Delta R.T. -0.01 min
 Lab File: BF096853.D
 Acq: 18 Jul 2017 18:10

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

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.4	6.0	9.0
122	15.0	10.3	15.5

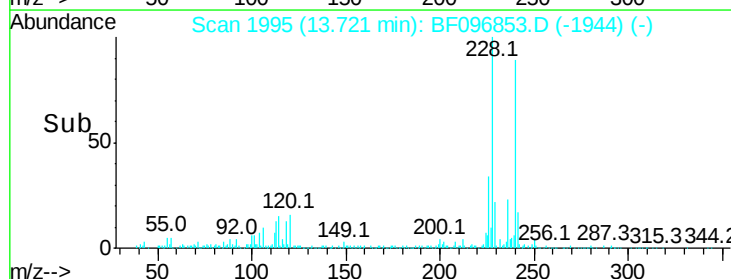
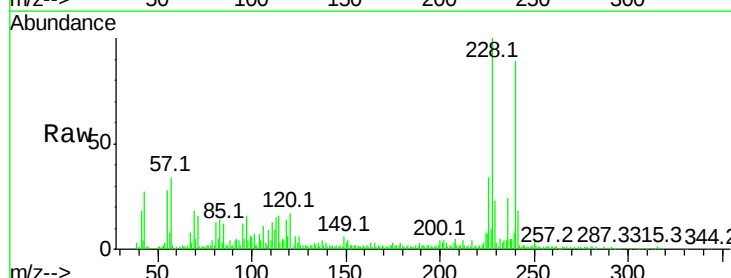
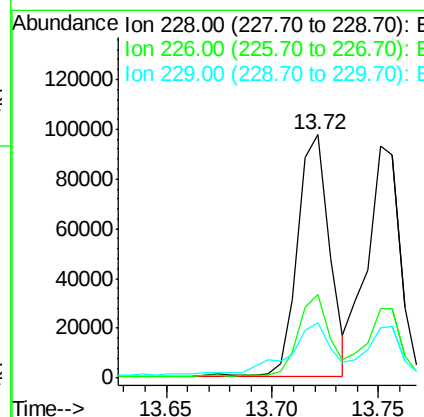
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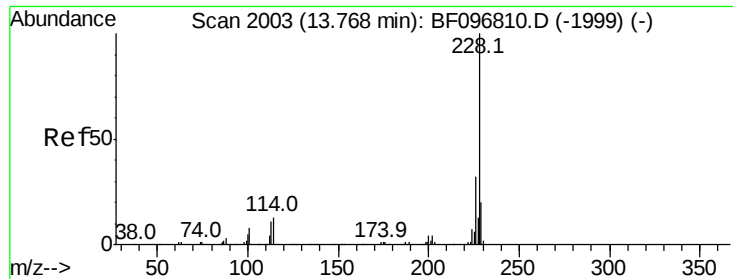
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#80
 Benzo(a)anthracene
 Concen: 8.051 ng m
 RT: 13.72 min Scan# 1995
 Delta R.T. -0.00 min
 Lab File: BF096853.D
 Acq: 18 Jul 2017 18:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.3	22.6	33.8#
229	22.6	16.3	24.5





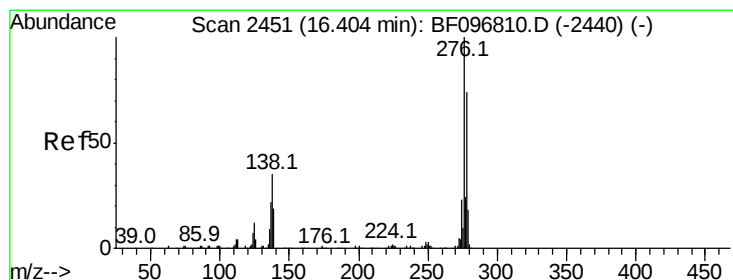
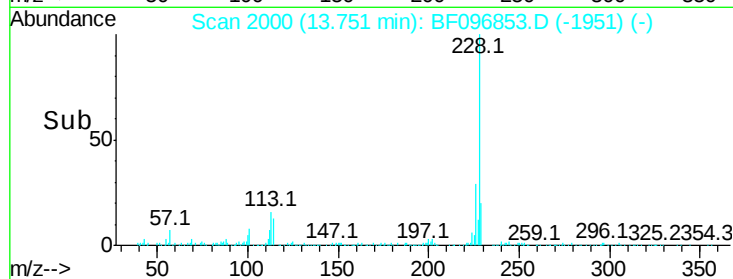
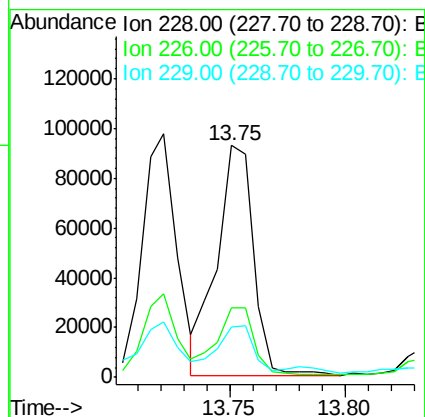
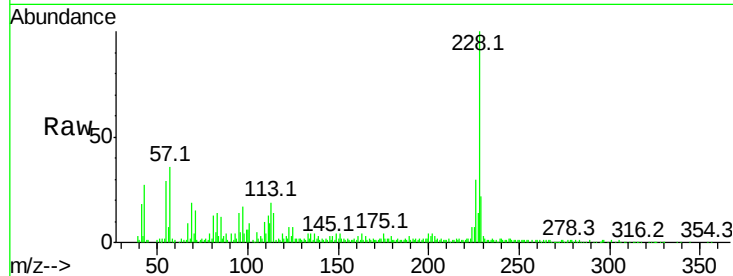
#82
Chrysene
Concen: 8.126 ng
RT: 13.75 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF096853.D
Acq: 18 Jul 2017 18:10

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

Tot Ion	Ratio	Resp	Lower	Upper
228	100	101530		
226	30.3	24.9	37.3	
229	21.6	15.8	23.6	

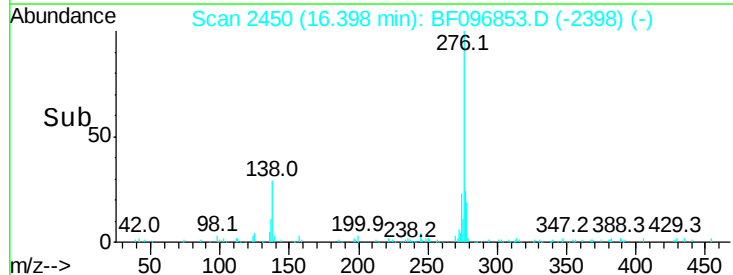
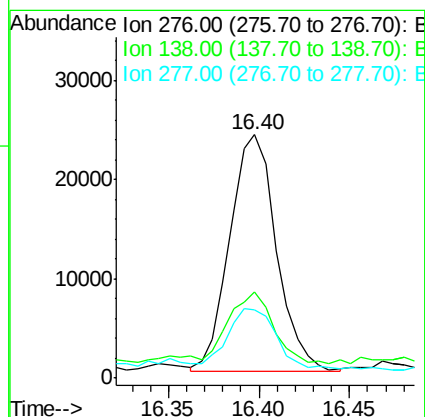
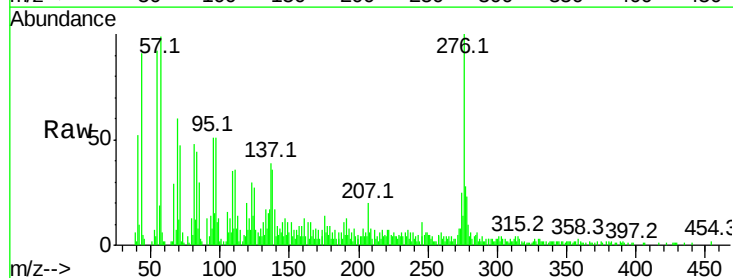
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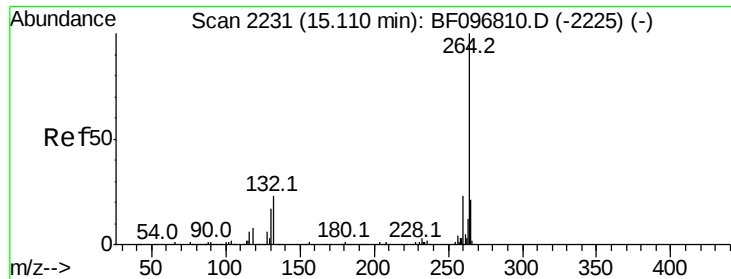
mohammad
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#85
Indeno(1,2,3-cd)pyrene
Concen: 6.877 ng
RT: 16.40 min Scan# 2450
Delta R.T. 0.01 min
Lab File: BF096853.D
Acq: 18 Jul 2017 18:10

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	42788		
138	28.5	27.8	41.6	
277	26.3	20.2	30.4	





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.11 min Scan# 2231

Delta R.T. 0.01 min

Lab File: BF096853.D

Acq: 18 Jul 2017 18:10

Instrument :

BNA_F

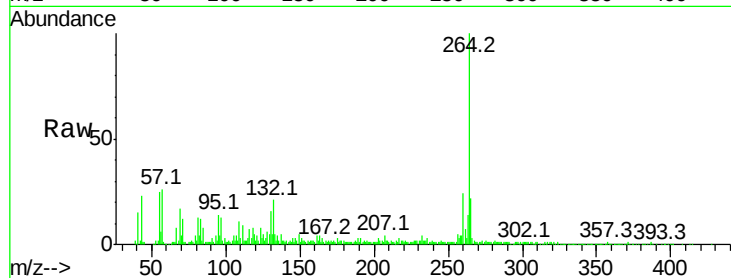
ClientSampleId :

PL-01-071717-D

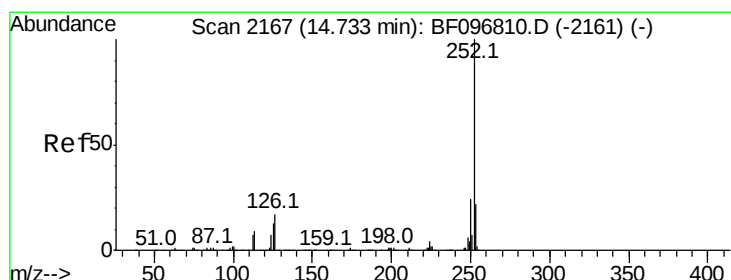
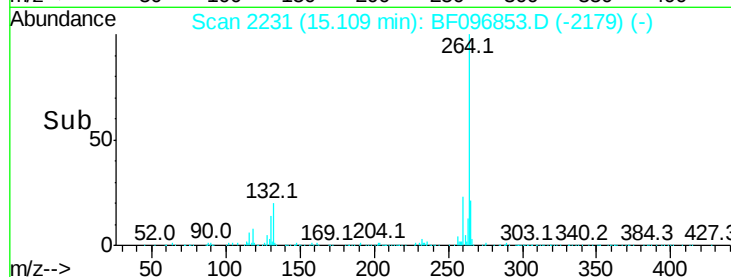
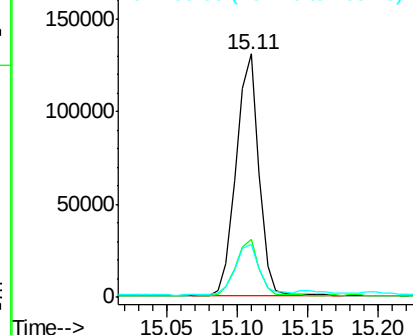
Tot Ion:	264	Resp:	147123
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.5	29.3
265	21.8	17.2	25.8

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



#87

Benzo(b)fluoranthene

Concen: 12.916 ng m

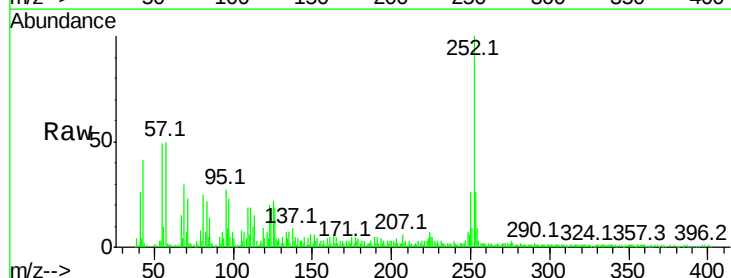
RT: 14.73 min Scan# 2166

Delta R.T. -0.00 min

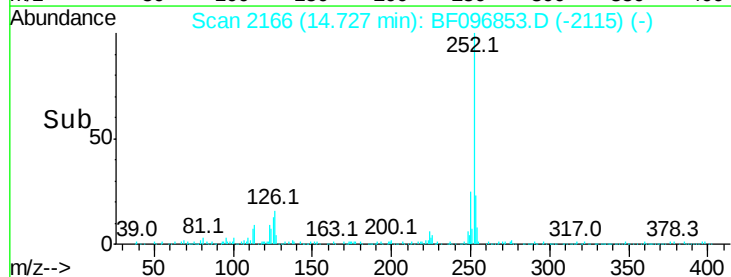
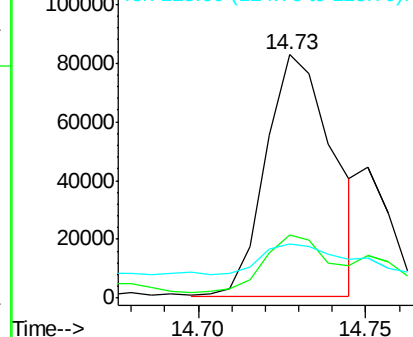
Lab File: BF096853.D

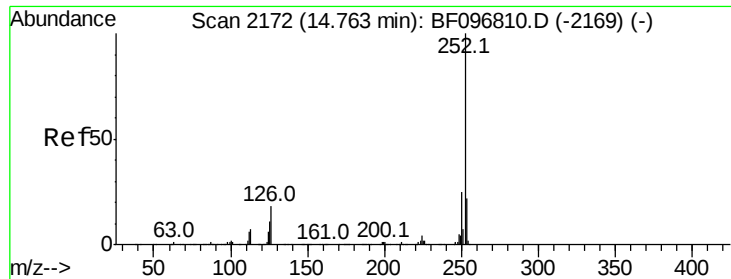
Acq: 18 Jul 2017 18:10

Tgt Ion:	252	Resp:	114606
Ion Ratio	Lower	Upper	
252	100		
253	25.7	18.1	27.1
125	22.5	9.8	14.8#



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





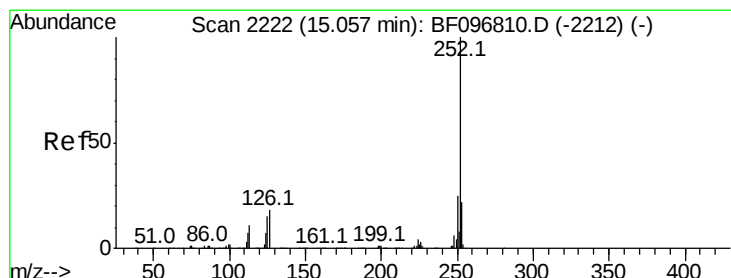
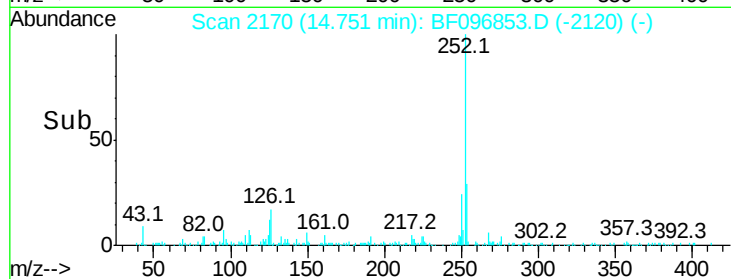
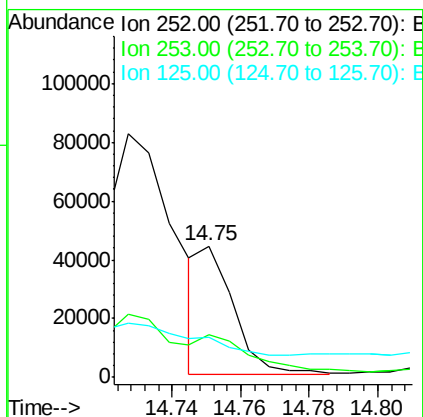
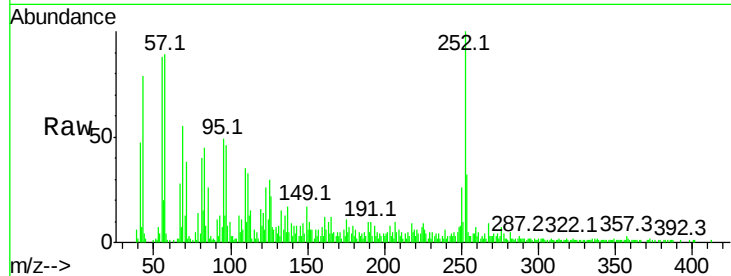
#88
Benzo(k)fluoranthene
Concen: 3.644 ng m
RT: 14.75 min Scan# 2170
Delta R.T. -0.01 min
Lab File: BF096853.D
Acq: 18 Jul 2017 18:10

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	32.1	18.4	27.6#
125	30.4	13.1	19.7#

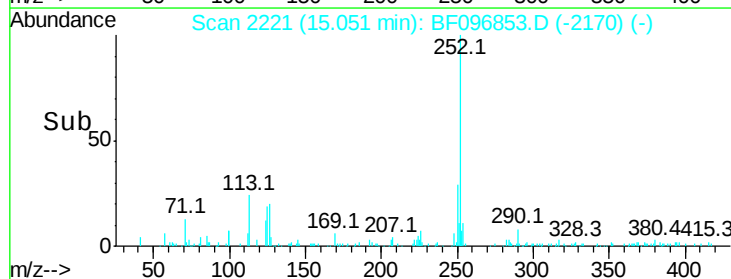
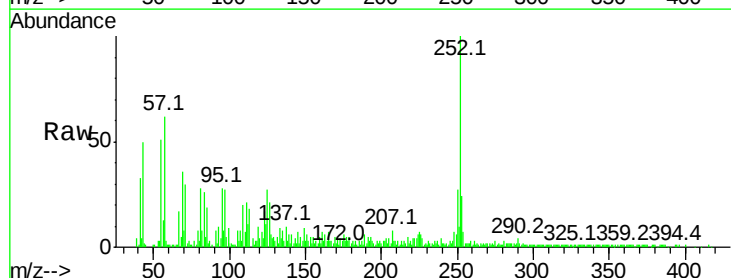
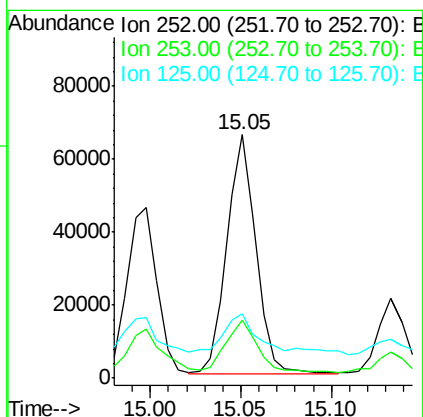
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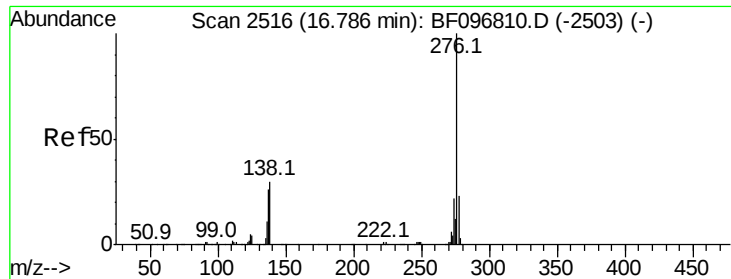
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#89
Benzo(a)pyrene
Concen: 9.010 ng
RT: 15.05 min Scan# 2221
Delta R.T. -0.00 min
Lab File: BF096853.D
Acq: 18 Jul 2017 18:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.5	26.3
125	26.6	11.0	16.4#





#91
 Benzo(a,h,i)perylene
 Concen: 5.265 ng
 RT: 16.78 min Scan# 2515
 Delta R.T. -0.00 min
 Lab File: BF096853.D
 Acq: 18 Jul 2017 18:10

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	29.9	18.6	28.0#
138	35.4	25.4	38.0

Manual Integrations
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