

Data Path : Z:\HPCHEM1\BNA F\DATA\BF063017\
 Data File : BF096357.D
 Acq On : 1 Jul 2017 1:00
 Operator : SJ/MA
 Sample : I3930-04
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B2-6-8

Manual Integrations
 APPROVED

mohammad
 7/3/2017 11:37:43 AM

Quant Time: Jul 01 02:15:20 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 15:41:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	152570	20.00	ng	-0.02
21) Naphthalene-d8	8.04	136	604127	20.00	ng	-0.02
38) Acenaphthene-d10	9.79	164	214663	20.00	ng	-0.02
63) Phenanthrene-d10	11.27	188	310444	20.00	ng	-0.02
75) Chrysene-d12	13.90	240	302444	20.00	ng	-0.01
86) Perylene-d12	15.32	264	210662	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	1099064	103.78	ng	0.00
7) Phenol-d6	6.39	99	1331651	103.85	ng	0.00
23) Nitrobenzene-d5	7.32	82	754086	86.41	ng	-0.04
41) 2,4,6-Tribromophenol	10.58	330	207594	122.88	ng	-0.01
44) 2-Fluorobiphenyl	9.12	172	1002773	85.55	ng	-0.03
78) Terphenyl-d14	12.86	244	690452	56.97	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.40	94	33618	2.38	ng	89
49) Dimethylphthalate	9.51	163	202713	13.20	ng	98
70) Phenanthrene	11.30	178	212277	7.19	ng	97
71) Anthracene	11.35	178	55870	3.22	ng	94
74) Fluoranthene	12.48	202	264471	15.34	ng	96
77) Pyrene	12.71	202	238049	9.58	ng	99
80) Benzo(a)anthracene	13.89	228	123250	6.69	ng	96
82) Chrysene	13.93	228	107307	5.63	ng	97
85) Indeno(1,2,3-cd)pyrene	16.70	276	41501	2.62	ng	93
87) Benzo(b)fluoranthene	14.92	252	112730m	8.15	ng	
88) Benzo(k)fluoranthene	14.94	252	33901m	2.68	ng	
89) Benzo(a)pyrene	15.26	252	67773	5.54	ng	# 94
91) Benzo(a,h,i)perylene	17.12	276	39313	3.95	ng	# 87

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

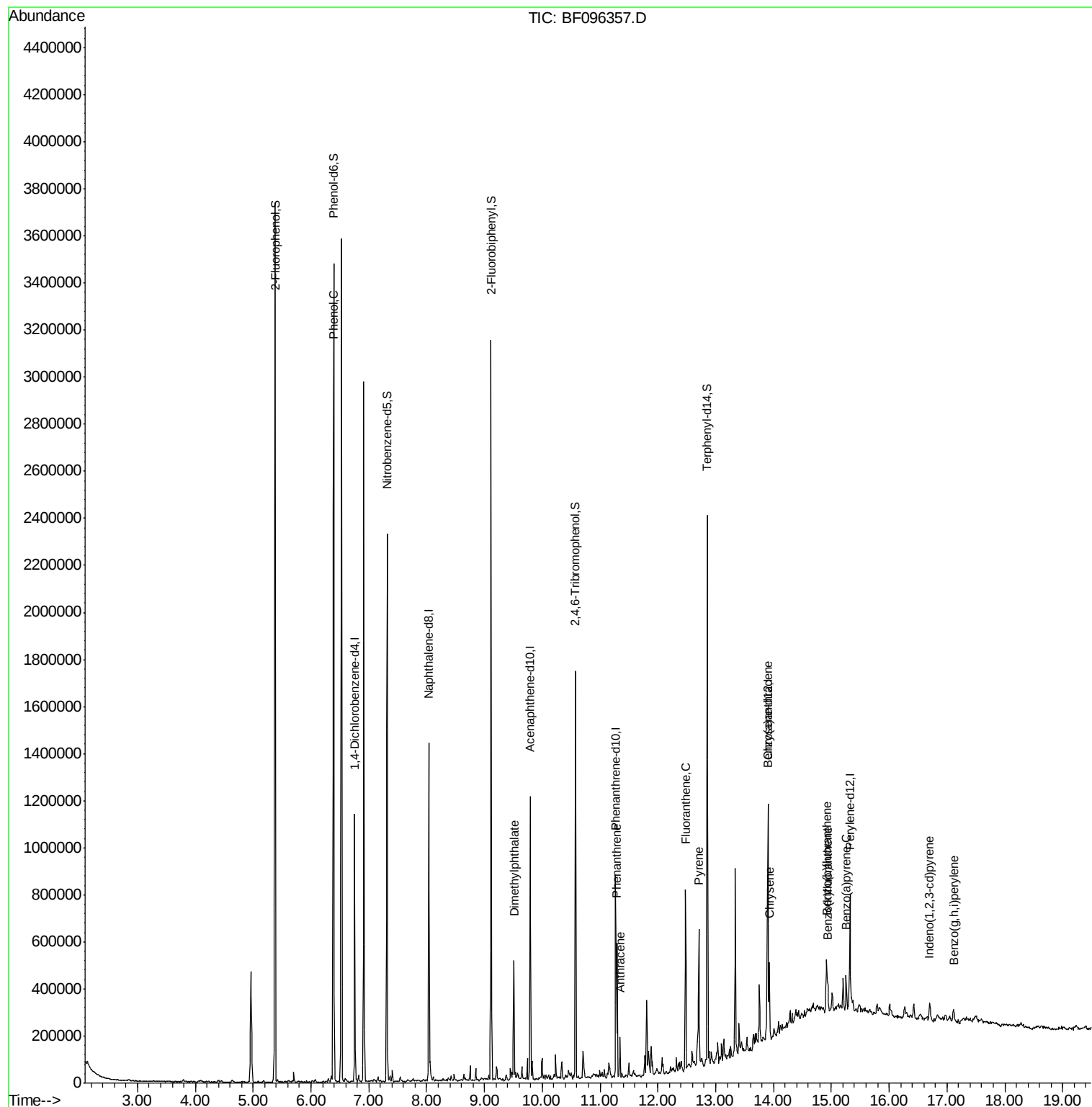
Data Path : Z:\HPCHEM1\BNA F\DATA\BF063017\
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Acq On : 1 Jul 2017 1:00
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ALS Vial : 34 Sample Multiplier: 1

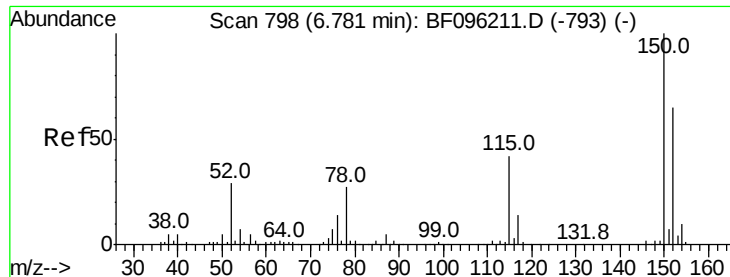
Instrument :
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#1

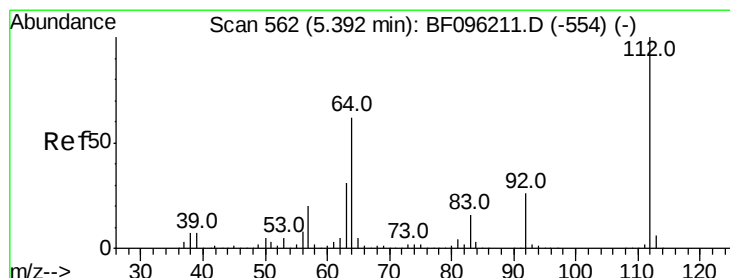
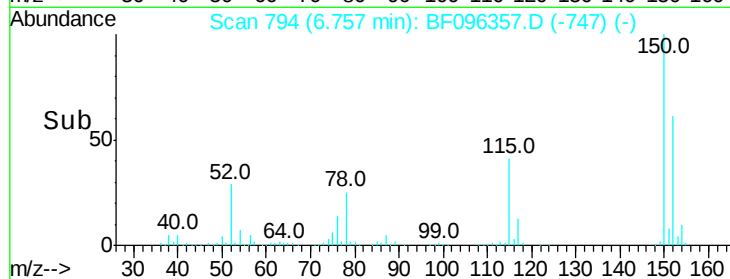
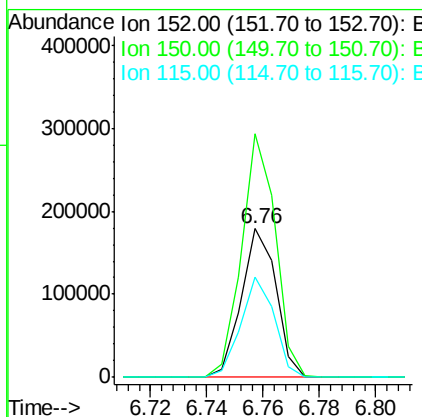
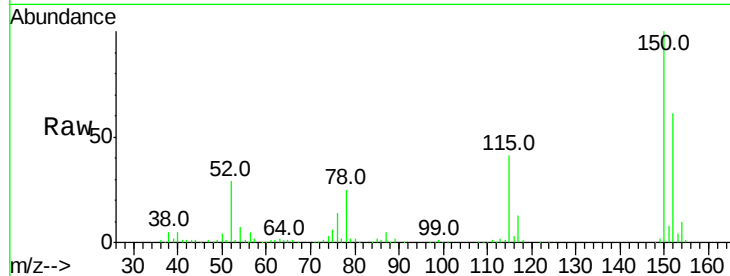
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.02 min
Lab File: BF096357.D
Acq: 1 Jul 2017 1:00

Instrument :
BNA_F
ClientSampleId :
B2-6-8

Tot Ion	Ratio	Lower	Upper
152	100		
150	164.1	126.2	189.2
115	67.3	52.2	78.2

Manual Integrations
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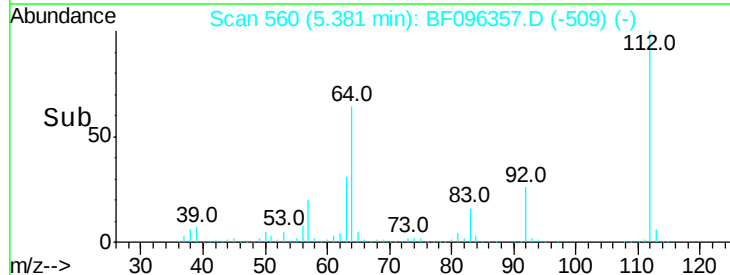
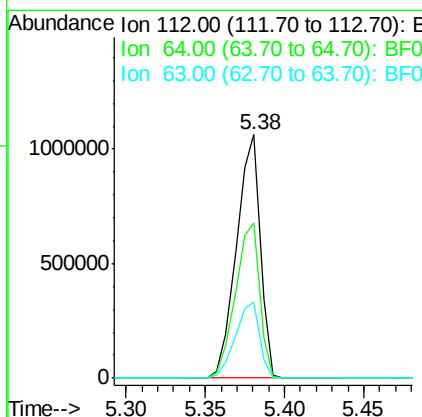
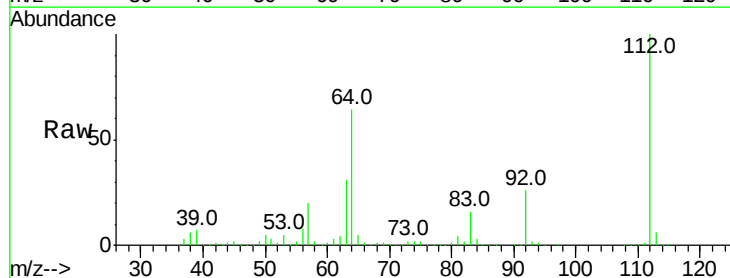
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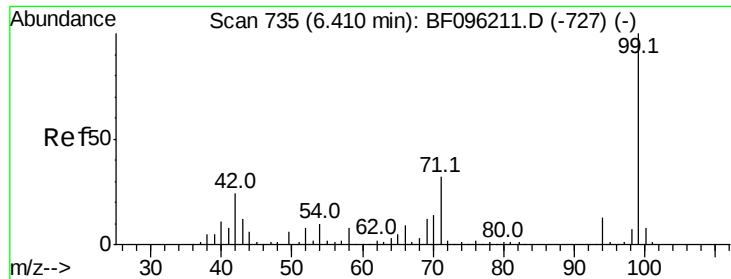


#5

2-Fluorophenol
Concen: 103.78 ng
RT: 5.38 min Scan# 560
Delta R.T. 0.00 min
Lab File: BF096357.D
Acq: 1 Jul 2017 1:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.5	46.0	69.0
63	31.0	23.4	35.0





#7

Phenol-d6

Concen: 103.85 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.00 min

Lab File: BF096357.D

Acq: 1 Jul 2017 1:00

Instrument :

BNA_F

ClientSampleId :

B2-6-8

Tot Ion: 99 Resp: 1331651

Ion Ratio Lower Upper

99 100

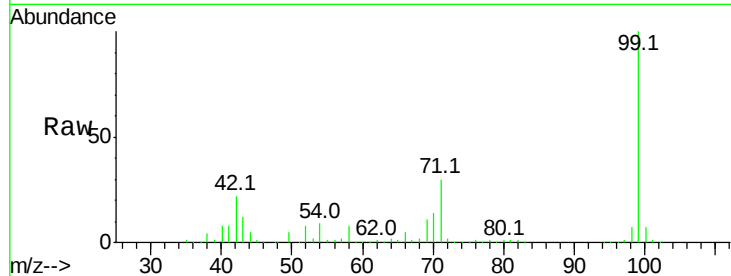
42 22.1 13.5 20.3#

71 30.2 24.5 36.7

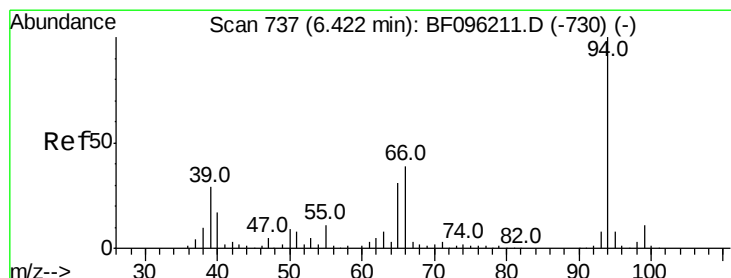
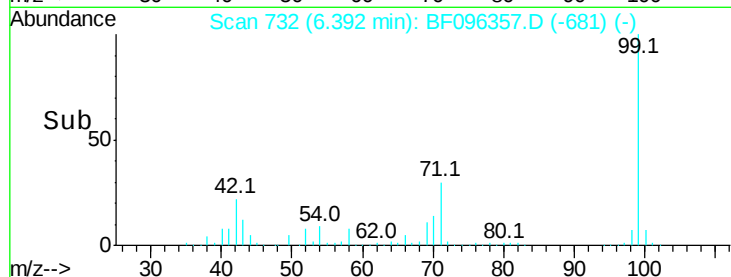
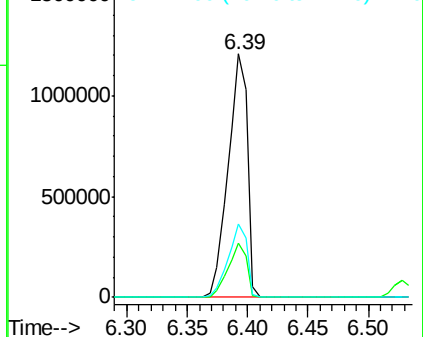
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.38 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.00 min

Lab File: BF096357.D

Acq: 1 Jul 2017 1:00

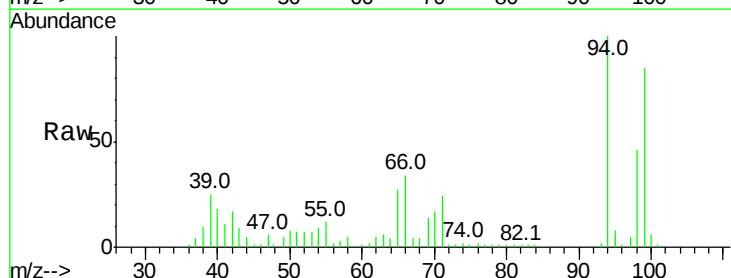
Tgt Ion: 94 Resp: 33618

Ion Ratio Lower Upper

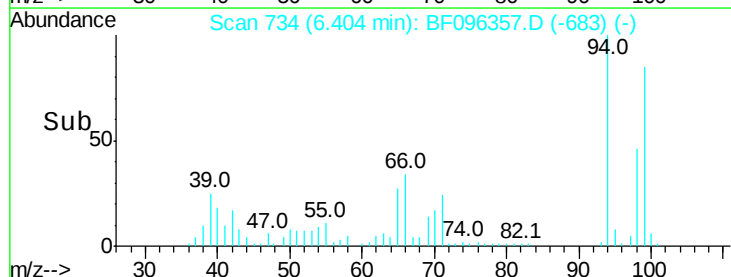
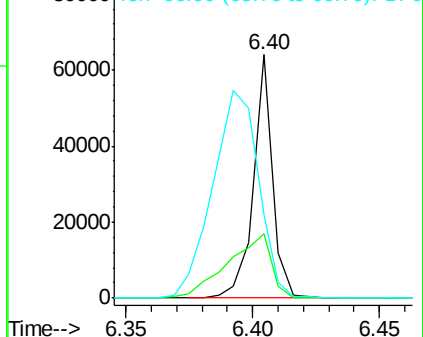
94 100

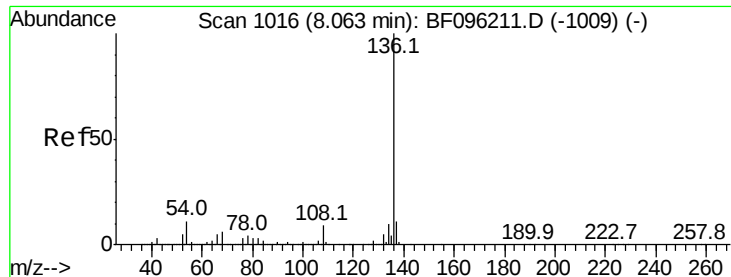
65 26.7 9.9 49.9

66 34.3 23.1 63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





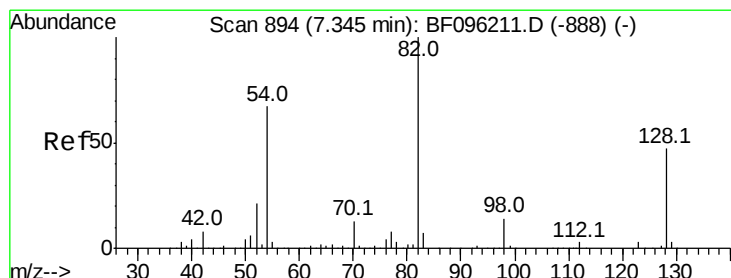
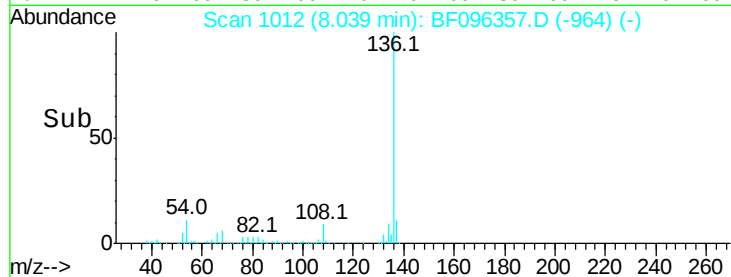
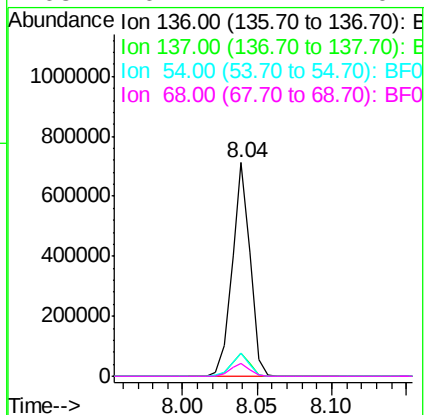
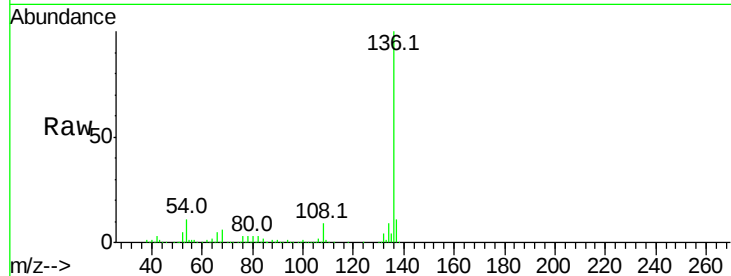
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.04 min Scan# 1012
Delta R.T. -0.02 min
Lab File: BF096357.D
Acq: 1 Jul 2017 1:00

Instrument :
BNA_F
ClientSampleId :
B2-6-8

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.7	8.5	12.7
54	10.5	4.9	7.3#
68	6.2	4.1	6.1#

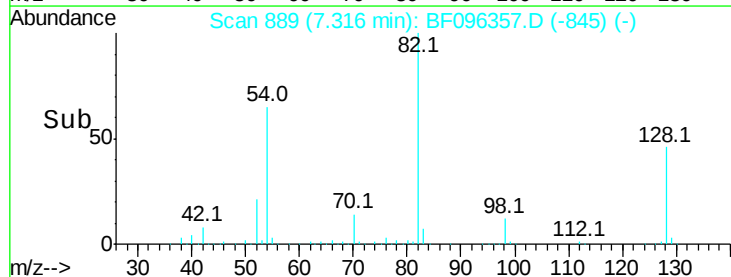
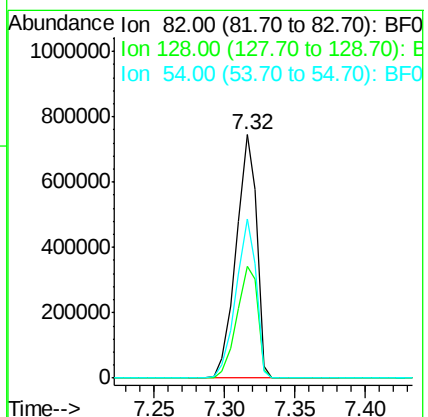
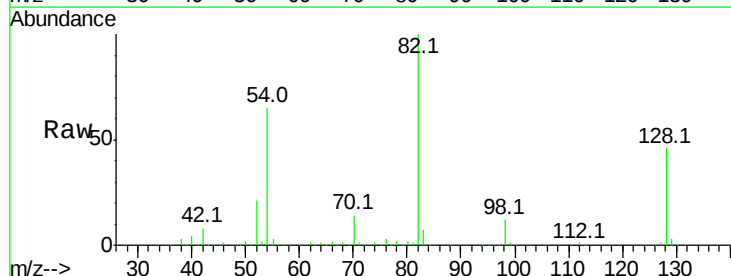
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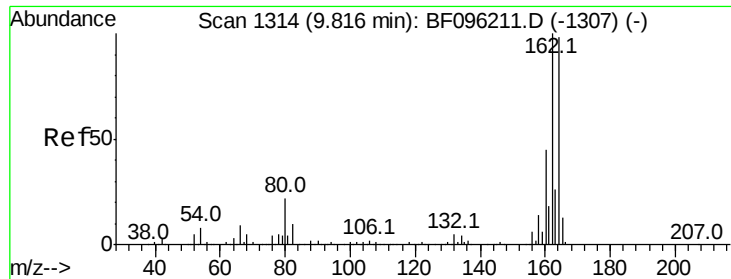
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#23
Nitrobenzene-d5
Concen: 86.41 ng
RT: 7.32 min Scan# 889
Delta R.T. -0.04 min
Lab File: BF096357.D
Acq: 1 Jul 2017 1:00

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	46.2	34.0	51.0
54	65.2	42.2	63.2#





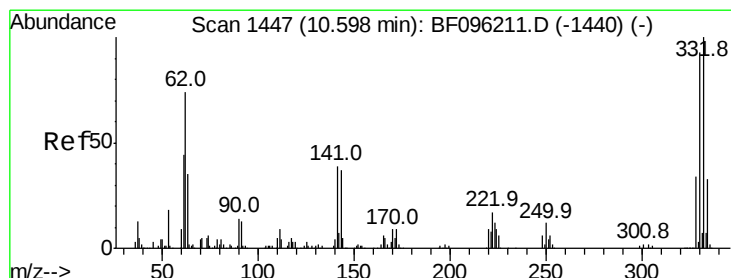
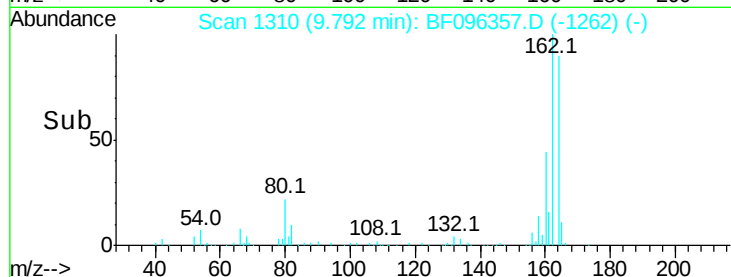
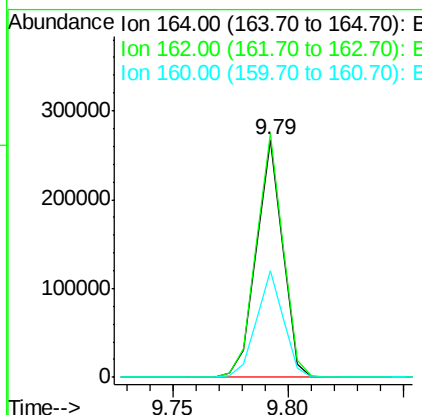
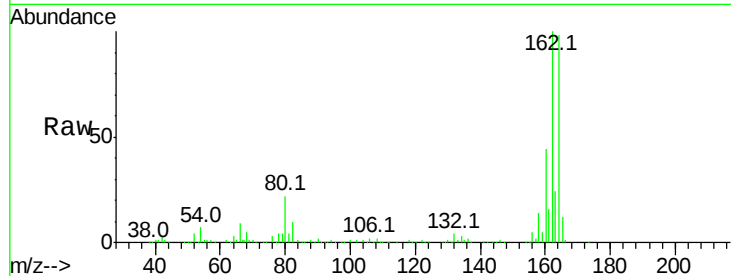
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.79 min Scan# 1310
 Delta R.T. -0.02 min
 Lab File: BF096357.D
 Acq: 1 Jul 2017 1:00

Instrument :
 BNA_F
 ClientSampleId :
 B2-6-8

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.5	82.6	123.8	
160	44.8	36.2	54.2	

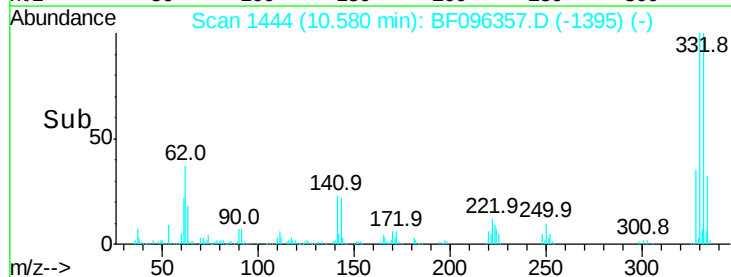
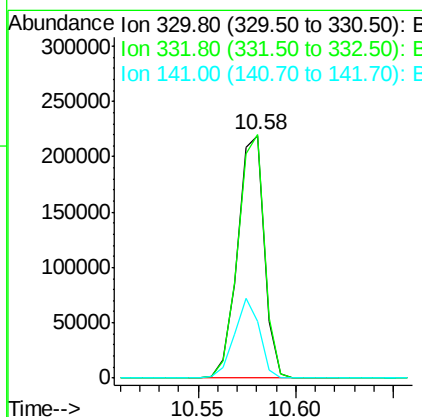
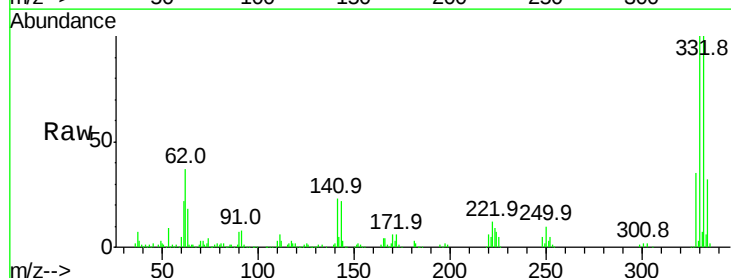
Manual Integrations
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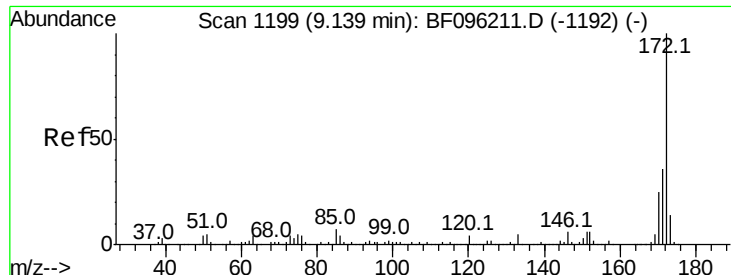
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#41
 2,4,6-Tribromophenol
 Concen: 122.88 ng
 RT: 10.58 min Scan# 1444
 Delta R.T. -0.01 min
 Lab File: BF096357.D
 Acq: 1 Jul 2017 1:00

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	99.3	76.6	115.0	
141	31.2	31.4	47.2	





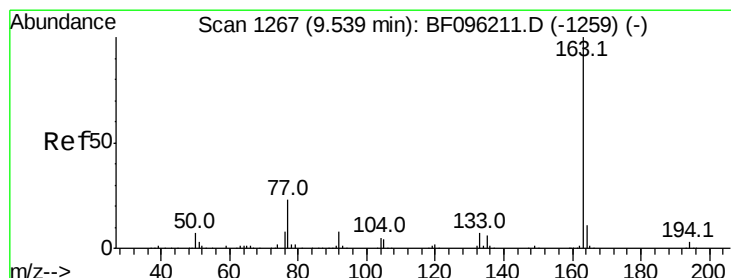
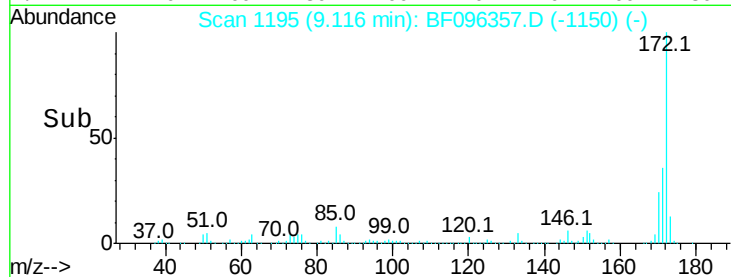
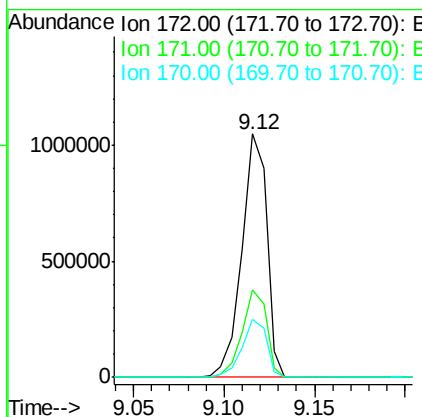
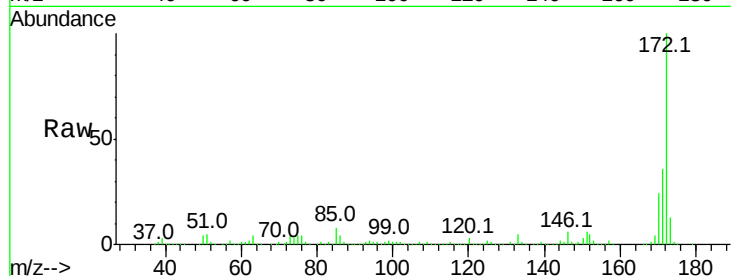
#44
 2-Fluorobiphenyl
 Concen: 85.55 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.03 min
 Lab File: BF096357.D
 Acq: 1 Jul 2017 1:00

Instrument :
 BNA_F
 ClientSampleId :
 B2-6-8

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	23.7	19.8	29.8

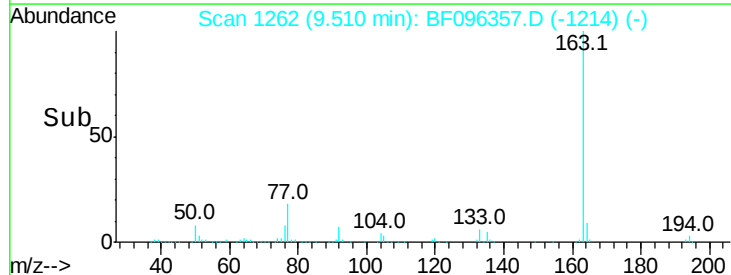
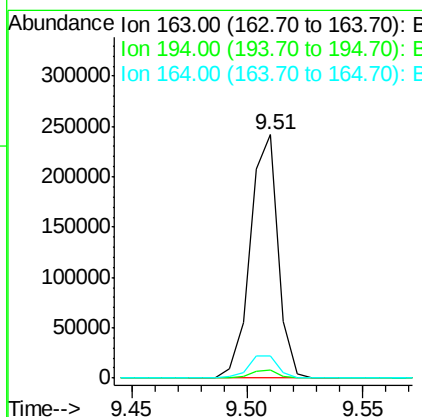
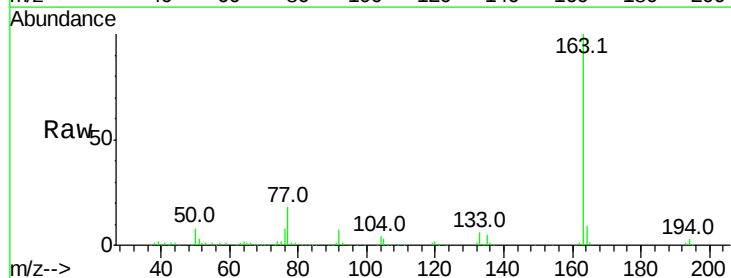
Manual Integrations
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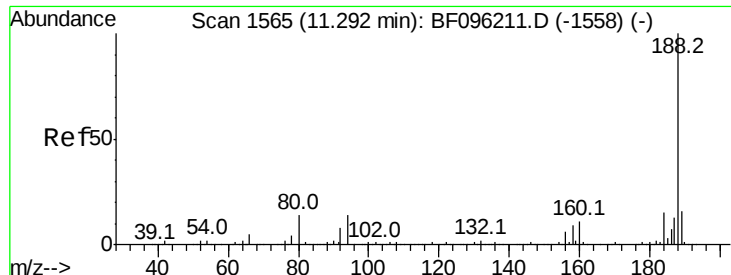
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#49
 Dimethylphthalate
 Concen: 13.20 ng
 RT: 9.51 min Scan# 1262
 Delta R.T. -0.02 min
 Lab File: BF096357.D
 Acq: 1 Jul 2017 1:00

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.6	4.0
164	9.4	8.4	12.6





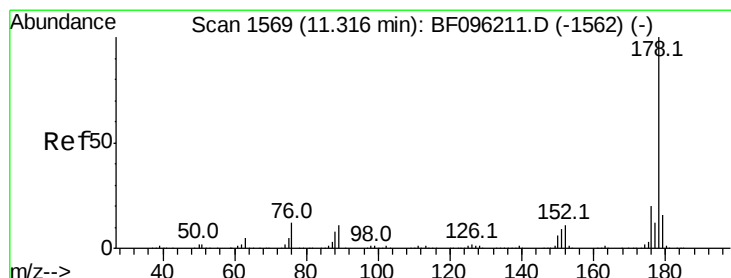
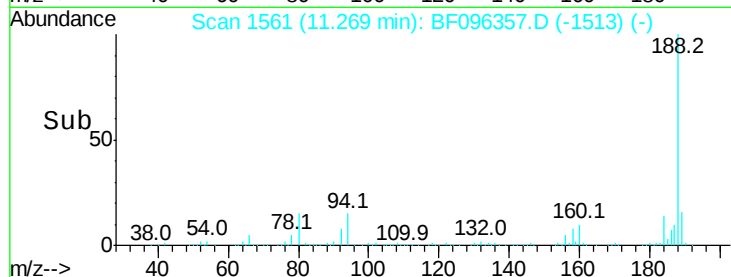
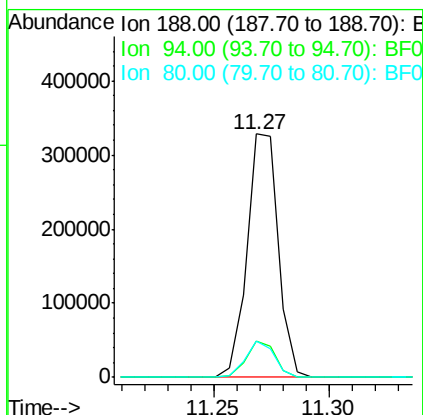
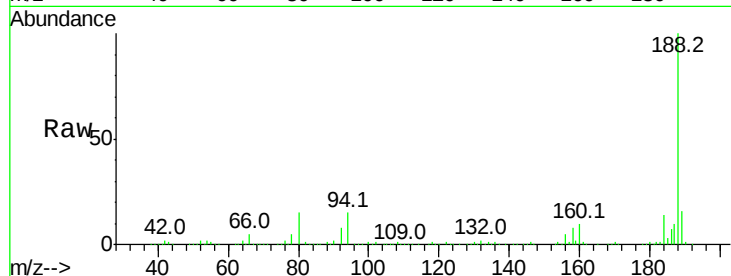
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.02 min
Lab File: BF096357.D
Acq: 1 Jul 2017 1:00

Instrument :
BNA_F
ClientSampled :
B2-6-8

Tot Ion	Ratio	Resp	Lower	Upper
188	100	310444		
94	14.8		9.4	14.2#
80	15.1		10.2	15.2

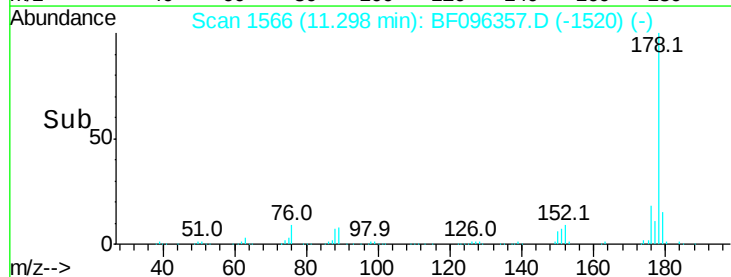
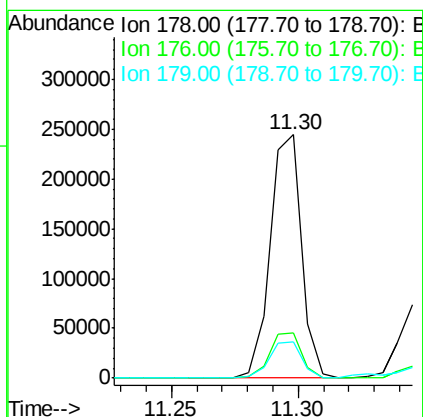
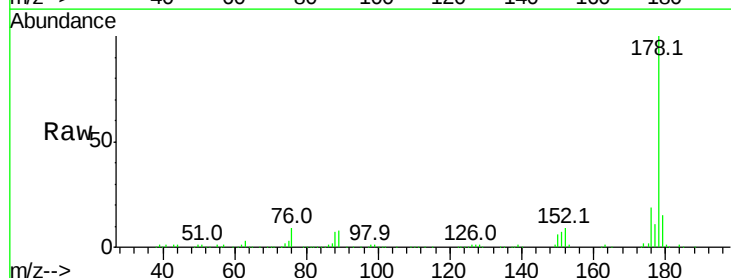
Manual Integrations
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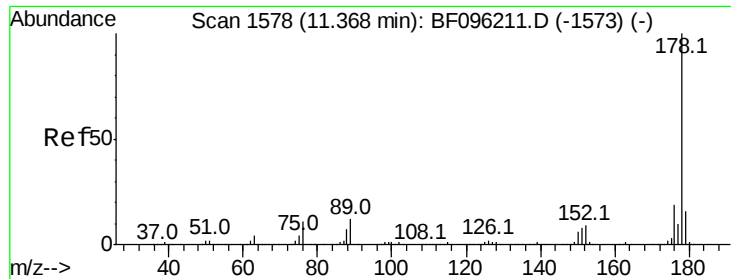
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#70
Phenanthrene
Concen: 7.19 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.03 min
Lab File: BF096357.D
Acq: 1 Jul 2017 1:00

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	212277		
176	18.6		16.2	24.4
179	15.0		12.6	19.0





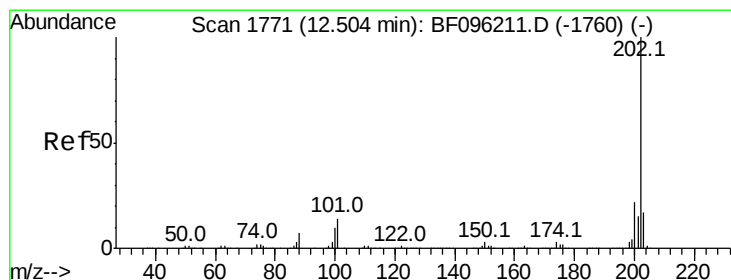
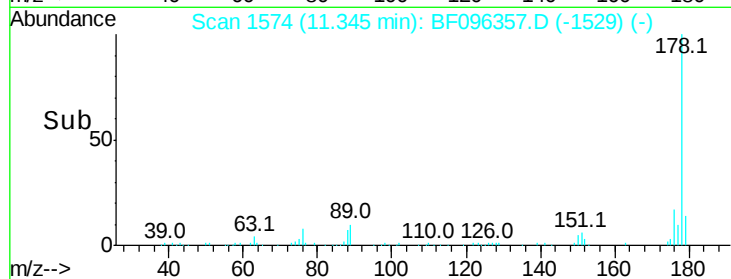
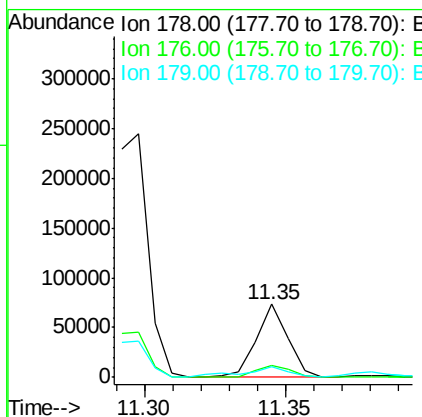
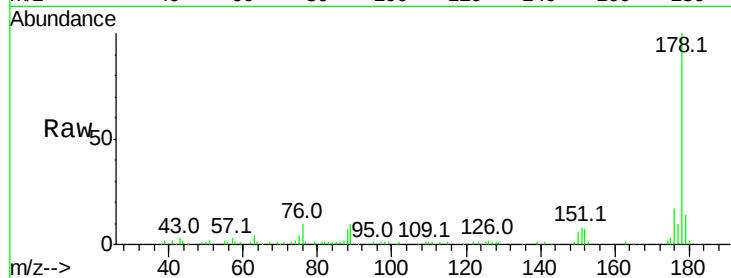
#71
 Anthracene
 Concen: 3.22 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. -0.04 min
 Lab File: BF096357.D
 Acq: 1 Jul 2017 1:00

Instrument :
 BNA_F
 ClientSampleId :
 B2-6-8

Tot Ion	Ratio	Lower	Upper
178	100		
176	16.6	15.8	23.8
179	14.1	12.7	19.1

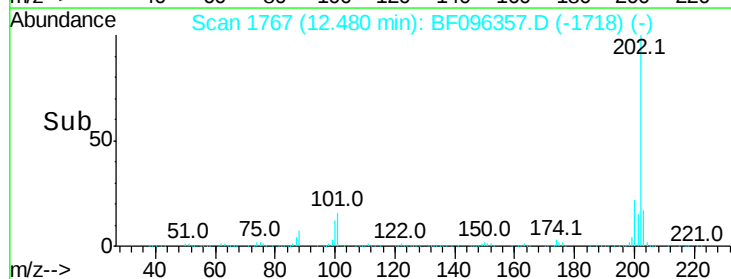
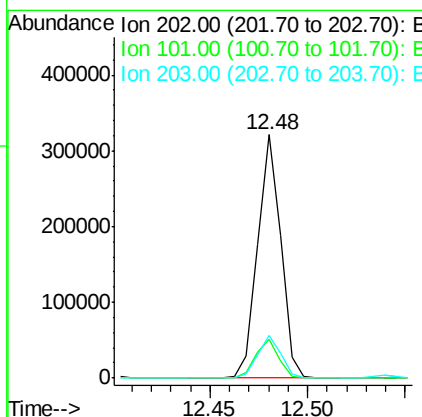
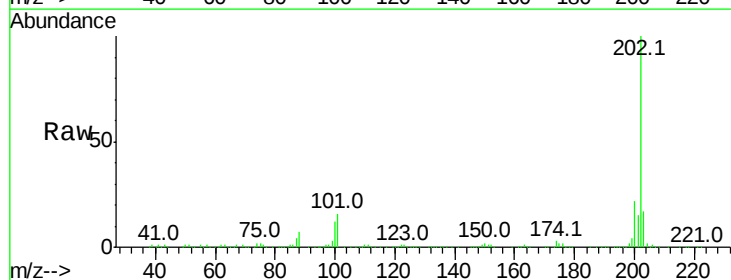
Manual Integrations
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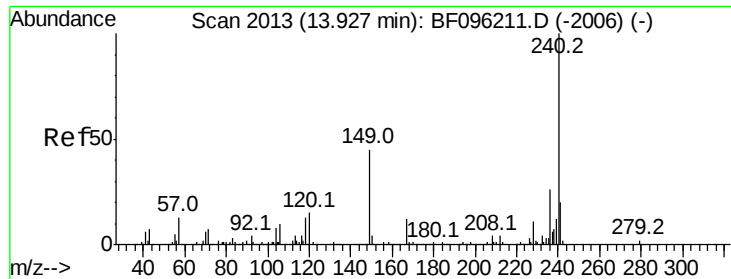
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 7/3/2017 11:37:43 AM



#74
 Fluoranthene
 Concen: 15.34 ng
 RT: 12.48 min Scan# 1767
 Delta R.T. -0.01 min
 Lab File: BF096357.D
 Acq: 1 Jul 2017 1:00

Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.2	0.0	33.2
203	17.4	0.0	38.1





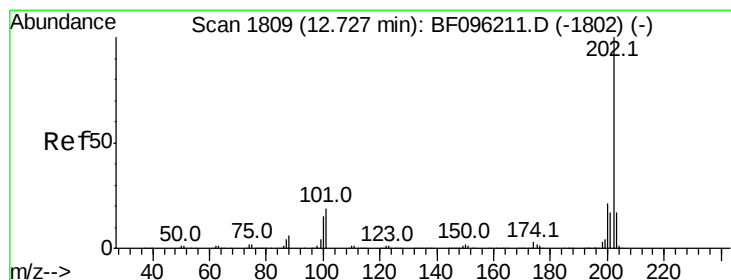
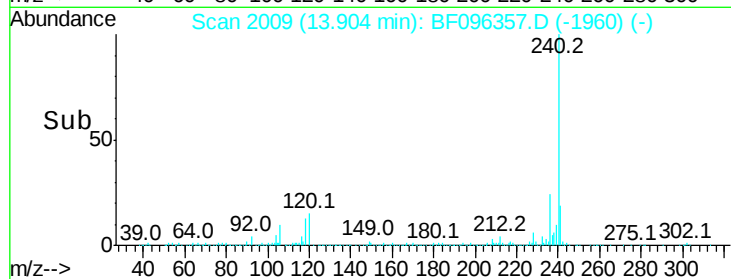
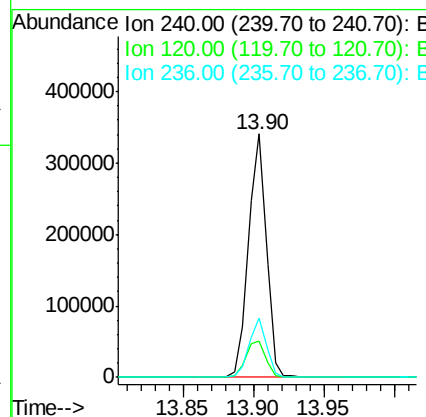
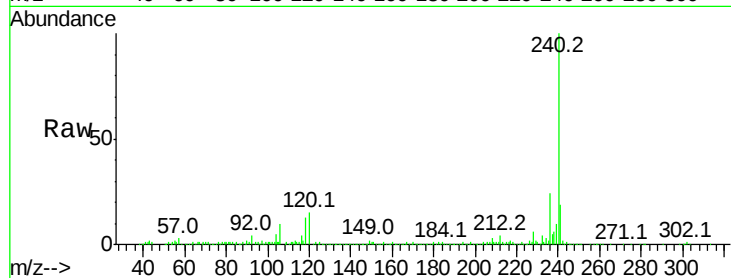
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.90 min Scan# 2009
 Delta R.T. -0.01 min
 Lab File: BF096357.D
 Acq: 1 Jul 2017 1:00

Instrument :
 BNA_F
 ClientSampleId :
 B2-6-8

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.9	5.8	8.8#
236	24.1	20.5	30.7

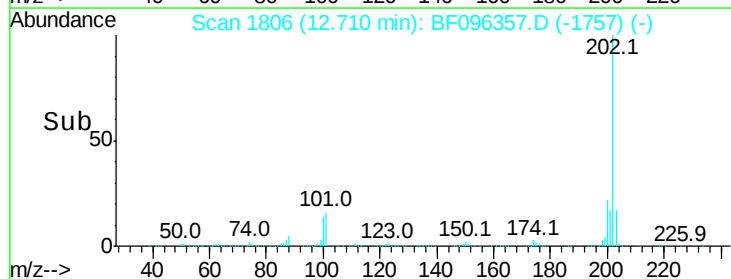
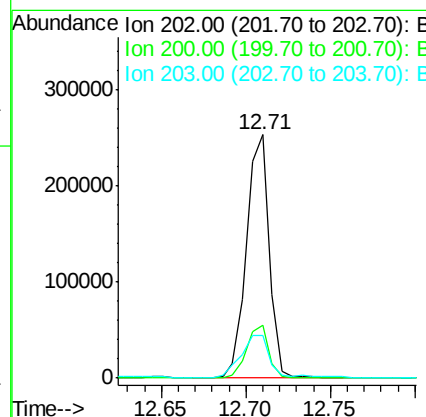
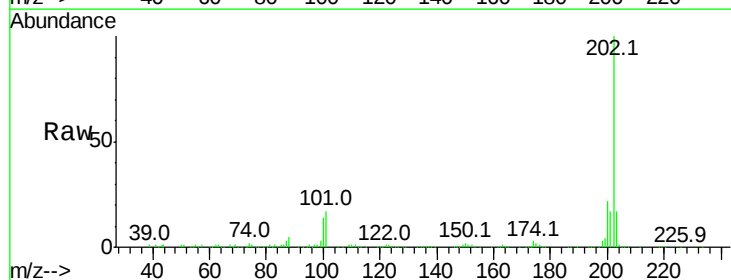
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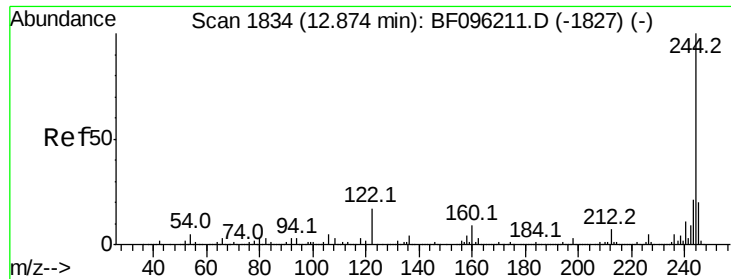
mohammad
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#77
 Pyrene
 Concen: 9.58 ng
 RT: 12.71 min Scan# 1806
 Delta R.T. -0.01 min
 Lab File: BF096357.D
 Acq: 1 Jul 2017 1:00

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.6	26.4
203	17.5	14.4	21.6





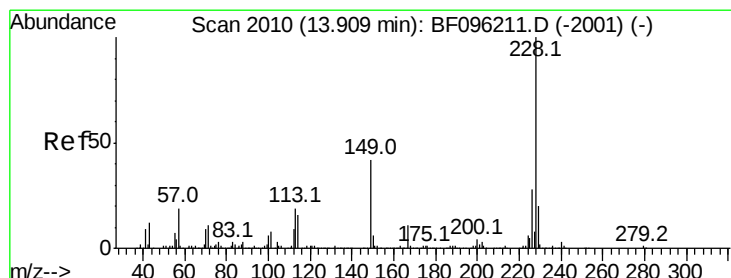
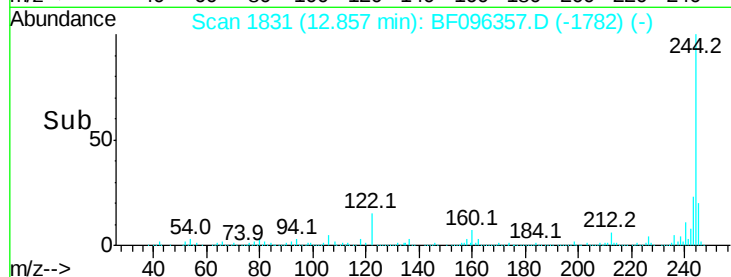
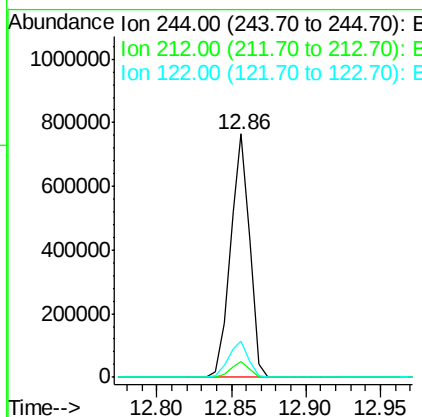
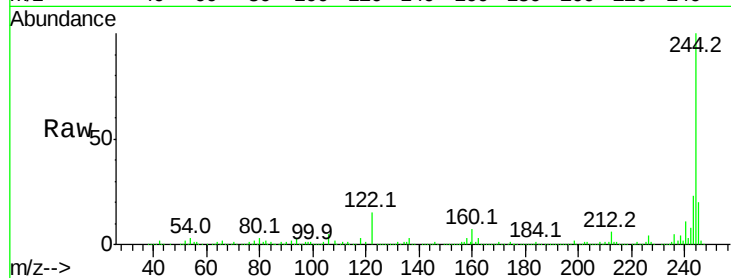
#78
 Terphenyl-d14
 Concen: 56.97 ng
 RT: 12.86 min Scan# 1831
 Delta R.T. -0.01 min
 Lab File: BF096357.D
 Acq: 1 Jul 2017 1:00

Instrument :
 BNA_F
 ClientSampled :
 B2-6-8

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.3	6.0	9.0
122	15.0	10.3	15.5

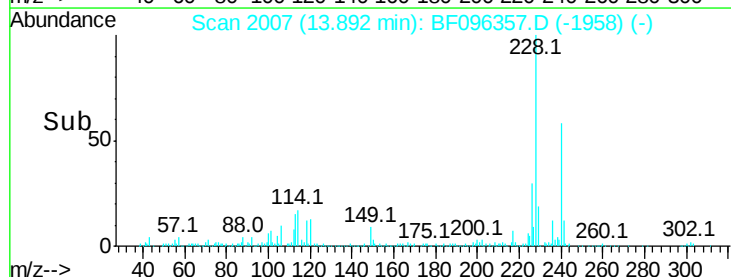
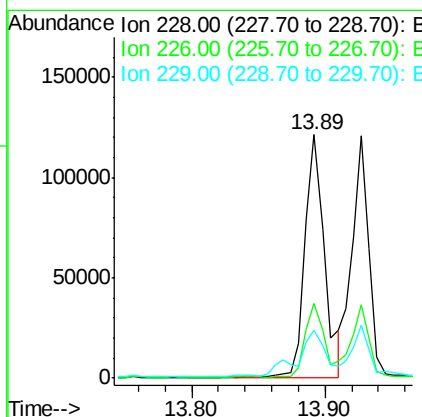
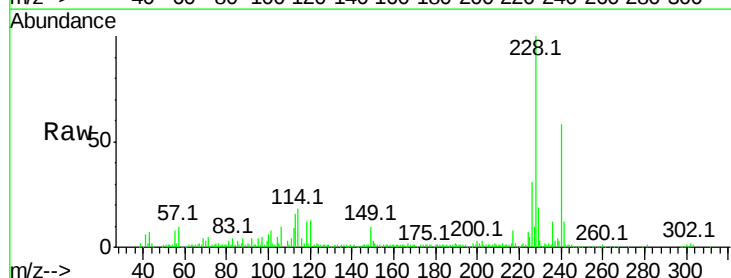
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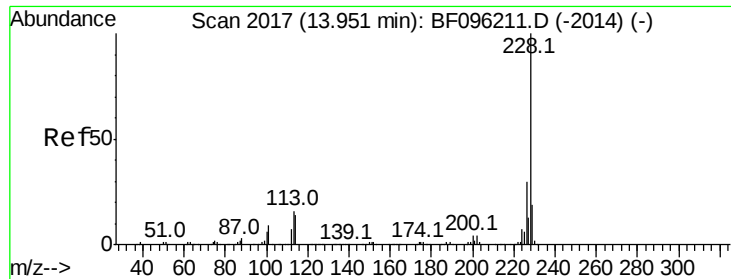
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#80
 Benzo(a)anthracene
 Concen: 6.69 ng
 RT: 13.89 min Scan# 2007
 Delta R.T. -0.01 min
 Lab File: BF096357.D
 Acq: 1 Jul 2017 1:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	22.6	33.8
229	19.5	16.3	24.5





#82

Chrysene

Concen: 5.63 ng

RT: 13.93 min Scan# 2013

Delta R.T. -0.01 min

Lab File: BF096357.D

Acq: 1 Jul 2017 1:00

Instrument :

BNA_F

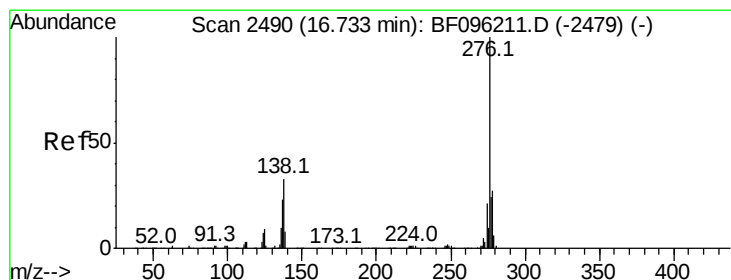
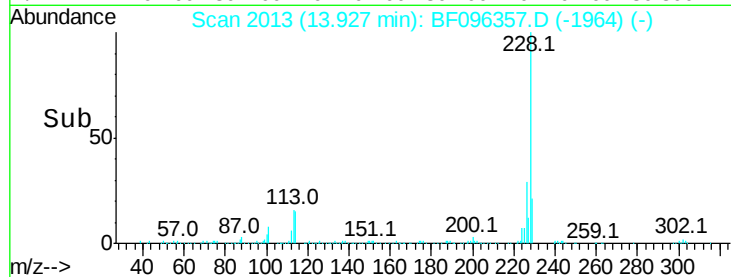
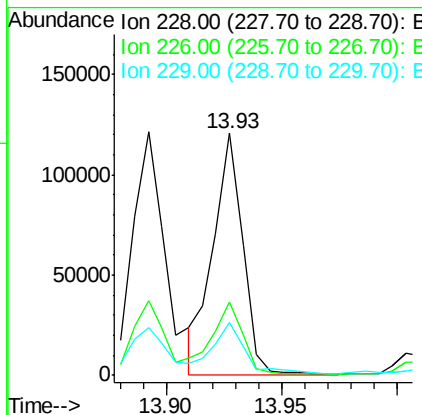
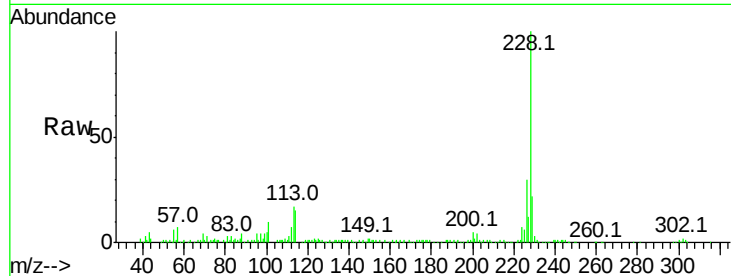
ClientSampleId :

B2-6-8

Tot Ion:	228	Resp:	107307
Ion Ratio	Lower	Upper	
228	100		
226	30.0	24.9	37.3
229	21.7	15.8	23.6

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 2.62 ng

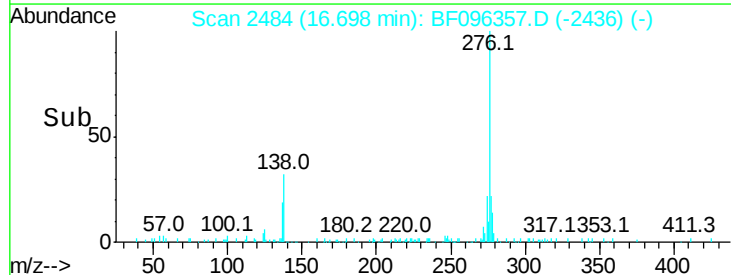
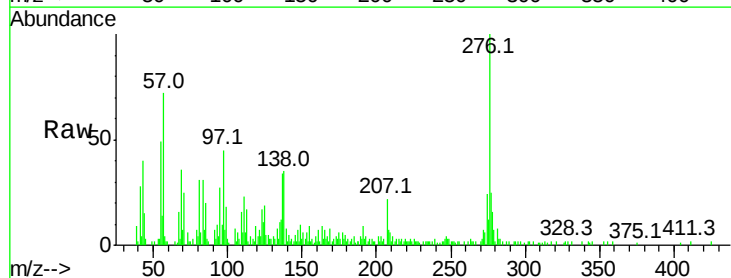
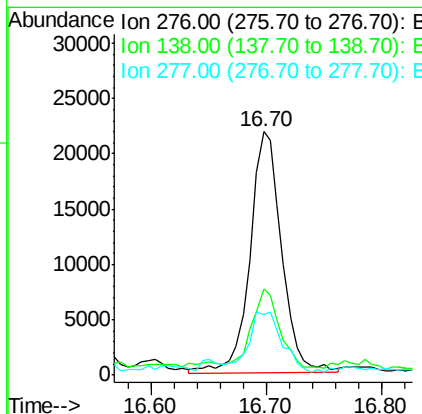
RT: 16.70 min Scan# 2484

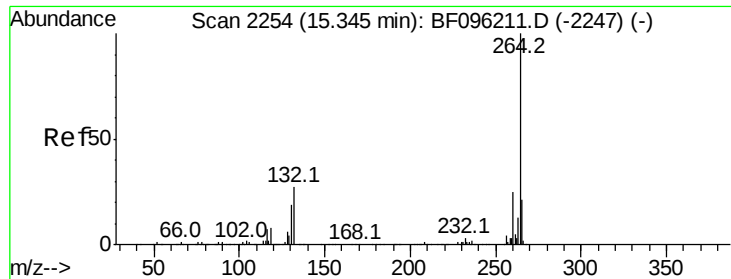
Delta R.T. -0.02 min

Lab File: BF096357.D

Acq: 1 Jul 2017 1:00

Tgt Ion:	276	Resp:	41501
Ion Ratio	Lower	Upper	
276	100		
138	28.4	27.8	41.6
277	26.3	20.2	30.4





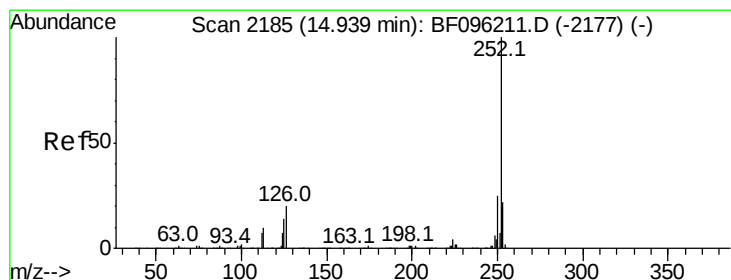
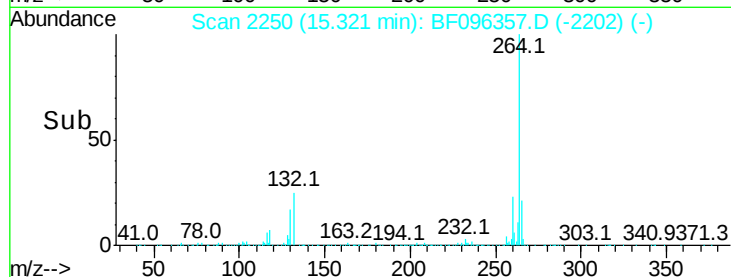
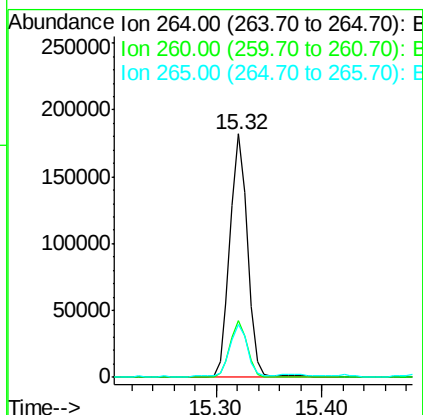
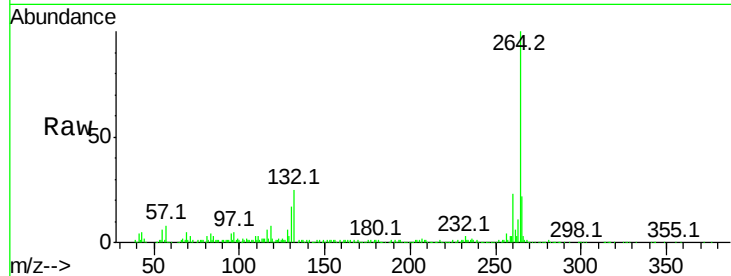
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.32 min Scan# 2250
Delta R.T. -0.02 min
Lab File: BF096357.D
Acq: 1 Jul 2017 1:00

Instrument :
BNA_F
ClientSampled :
B2-6-8

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	21.6	17.2	25.8

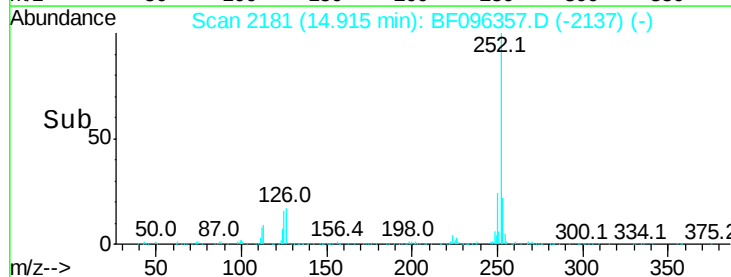
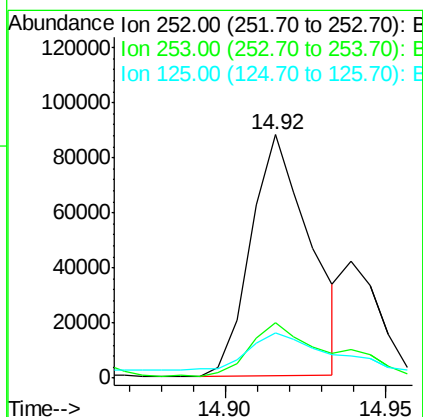
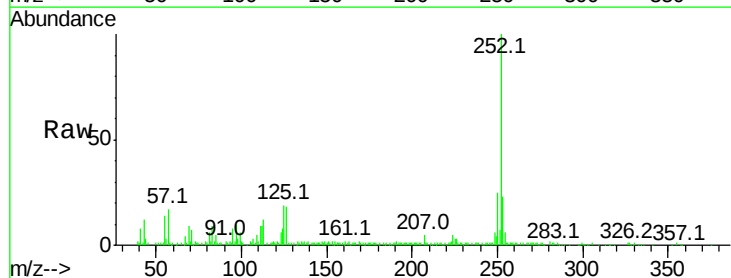
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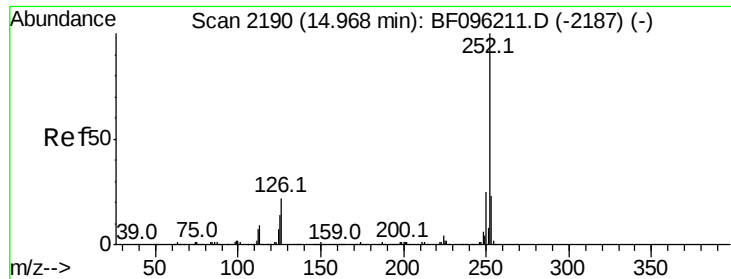
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#87
Benzo(b)fluoranthene
Concen: 8.15 ng m
RT: 14.92 min Scan# 2181
Delta R.T. -0.04 min
Lab File: BF096357.D
Acq: 1 Jul 2017 1:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	18.7	9.8	14.8#





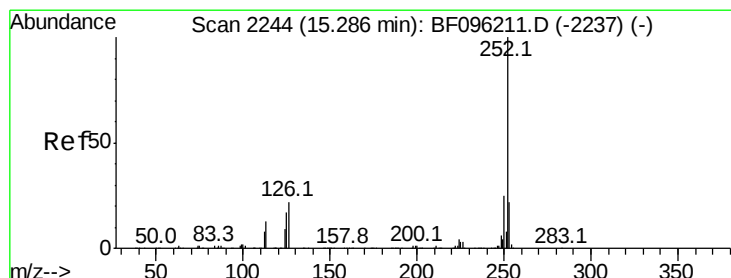
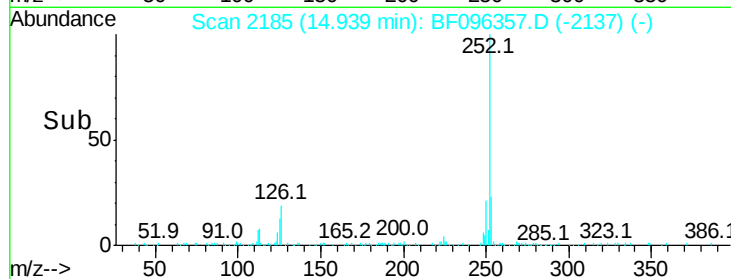
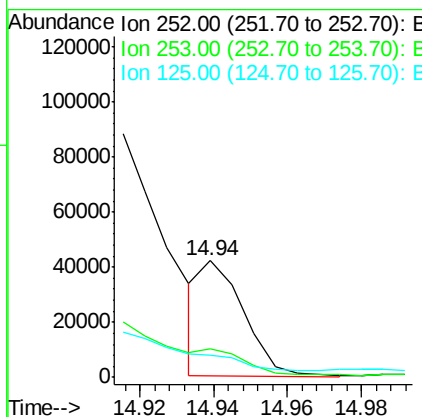
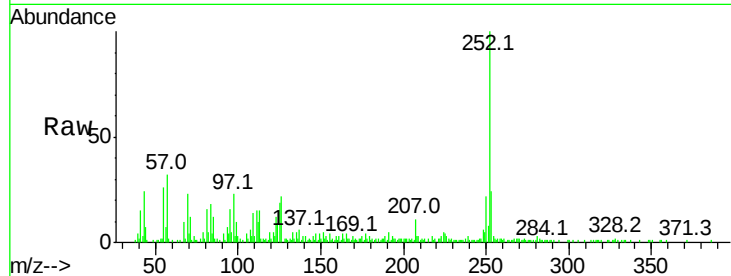
#88
Benzo(k)fluoranthene
Concen: 2.68 ng m
RT: 14.94 min Scan# 2185
Delta R.T. -0.02 min
Lab File: BF096357.D
Acq: 1 Jul 2017 1:00

Instrument :
BNA_F
ClientSampled :
B2-6-8

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.4	27.6
125	18.8	13.1	19.7

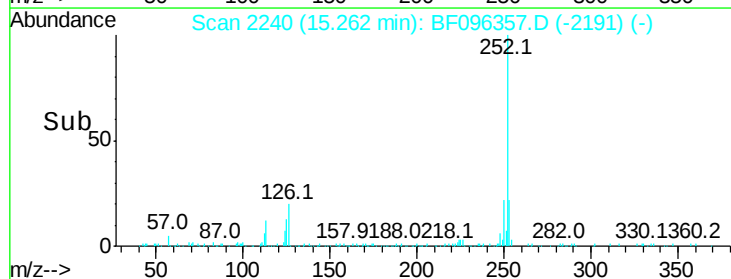
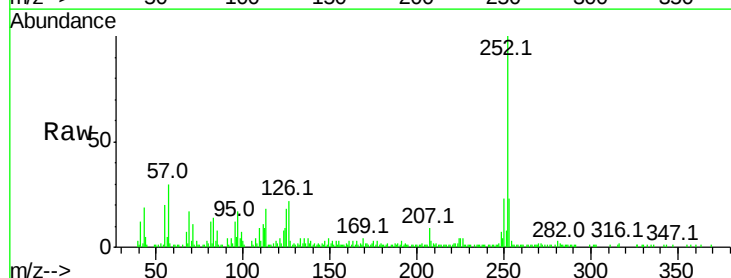
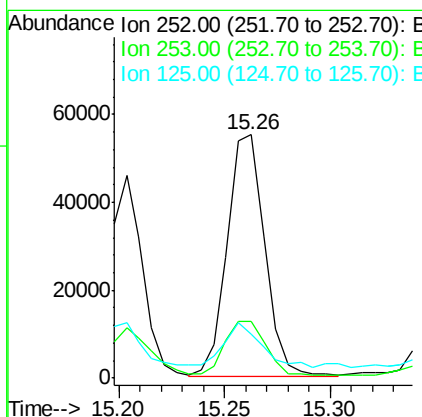
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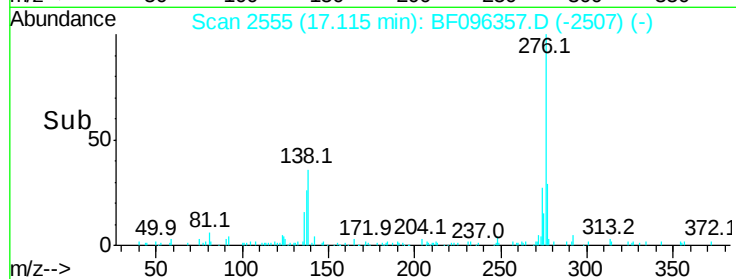
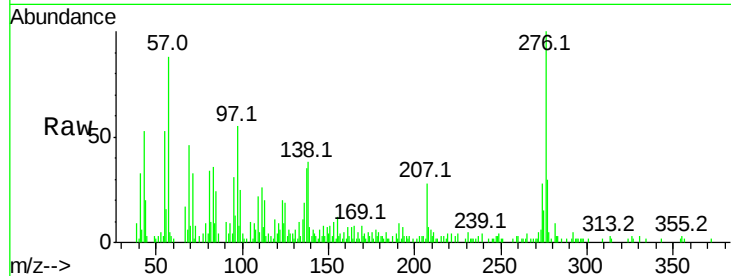
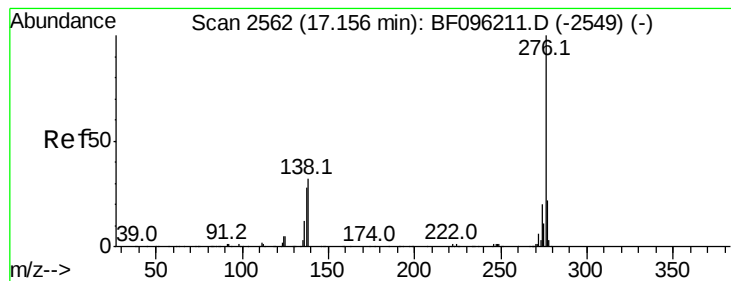
mohammad
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#89
Benzo(a)pyrene
Concen: 5.54 ng
RT: 15.26 min Scan# 2240
Delta R.T. -0.01 min
Lab File: BF096357.D
Acq: 1 Jul 2017 1:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	18.1	11.0	16.4#





#91

Benzo(a,h,i)perylene

Concen: 3.95 ng

RT: 17.12 min Scan# 2555

Delta R.T. -0.02 min

Lab File: BF096357.D

Acq: 1 Jul 2017 1:00

Instrument :

BNA_F

ClientSampleId :

B2-6-8

Tot Ion	Ratio	Resp	Lower	Upper
276	100			
277	30.0	18.6	28.0#	
138	38.4	25.4	38.0#	

Manual Integrations
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