

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072117\
 Data File : BF096960.D
 Acq On : 21 Jul 2017 22:47
 Operator : SJ/JU
 Sample : I4290-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-1

Manual Integrations
 APPROVED

Sohil
 7/24/2017 3:05:27 PM

Quant Time: Jul 22 03:31:23 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	6.56	152	101171	20.00	ng	-0.04
21) Naphthalene-d8	7.84	136	394982	20.00	ng	-0.05
38) Acenaphthene-d10	9.59	164	131764	20.00	ng	-0.05
63) Phenanthrene-d10	11.06	188	192510	20.00	ng	-0.05
75) Chrysene-d12	13.69	240	187107	20.00	ng	-0.05
86) Perylene-d12	15.05	264	196536	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.17	112	753157	111.93	ng	-0.03
7) Phenol-d6	6.22	99	880759	109.08	ng	-0.04
23) Nitrobenzene-d5	7.12	82	492335	77.21	ng	-0.05
41) 2,4,6-Tribromophenol	10.37	330	109455	97.32	ng	-0.05
44) 2-Fluorobiphenyl	8.92	172	596051	71.47	ng	-0.05
78) Terphenyl-d14	12.64	244	342296	31.73	ng	-0.05
Target Compounds						
10) Phenol	6.23	94	35365	3.874	ng	Qvalue 95
49) Dimethylphthalate	9.31	163	61094	6.158	ng	99
70) Phenanthrene	11.08	178	111119	10.616	ng	96
71) Anthracene	11.13	178	29403	2.778	ng	96
74) Fluoranthene	12.26	202	159308	15.900	ng	98
77) Pyrene	12.49	202	135941	8.005	ng	97
80) Benzo(a)anthracene	13.67	228	76829	6.590	ng	98
82) Chrysene	13.71	228	71701	6.247	ng	96
85) Indeno(1,2,3-cd)pyrene	16.31	276	31983	6.219	ng	95
87) Benzo(b)fluoranthene	14.68	252	98000m	8.268	ng	
88) Benzo(k)fluoranthene	14.70	252	35027m	3.121	ng	
89) Benzo(a)pyrene	14.99	252	69454	6.389	ng	# 94
91) Benzo(a,h,i)perylene	16.69	276	28104	2.624	ng	95

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

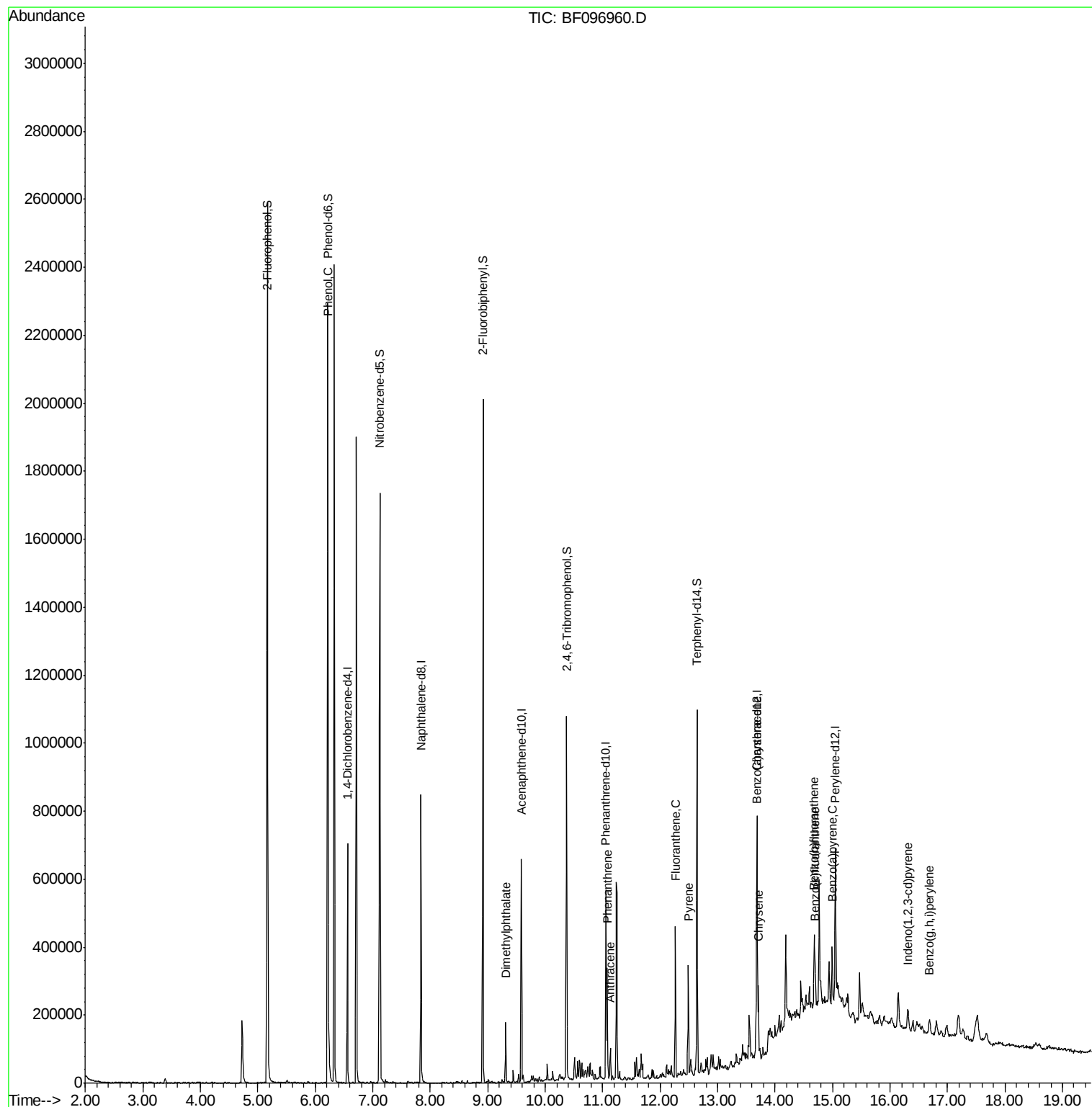
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072117\
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Sample : I4290-01
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ALS Vial : 25 Sample Multiplier: 1

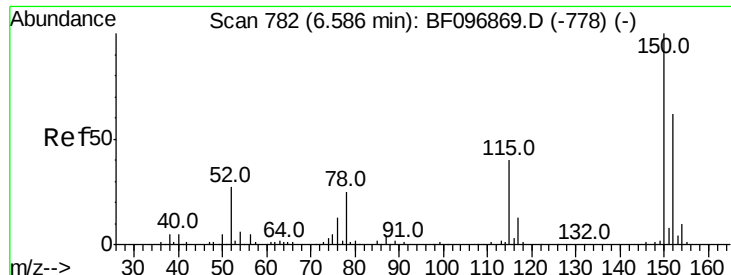
Instrument :
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S-1

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#1

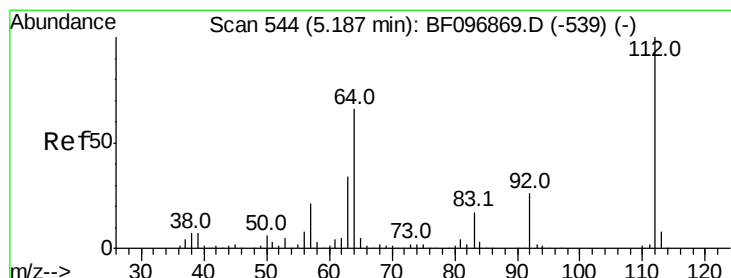
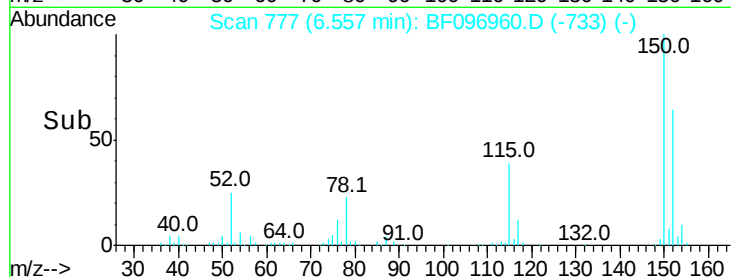
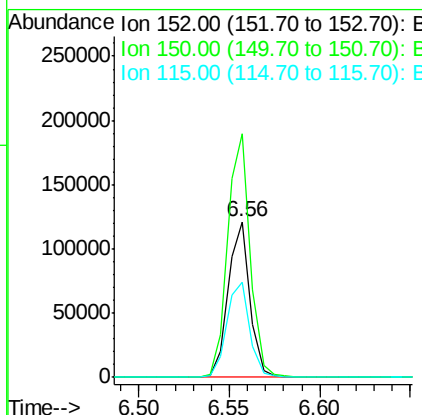
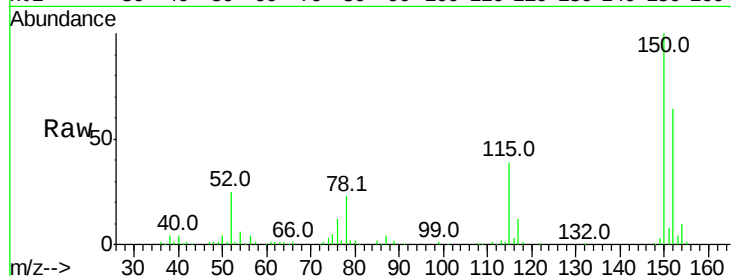
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.56 min Scan# 777
Delta R.T. -0.04 min
Lab File: BF096960.D
Acq: 21 Jul 2017 22:47

Instrument :
BNA_F
ClientSampled :
S-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	126.2	189.2
115	61.3	52.2	78.2

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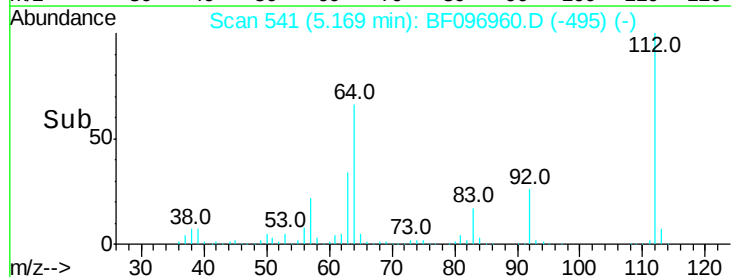
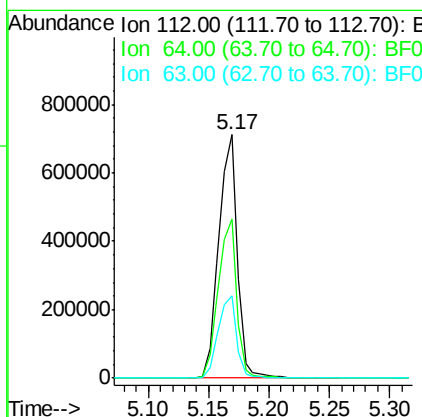
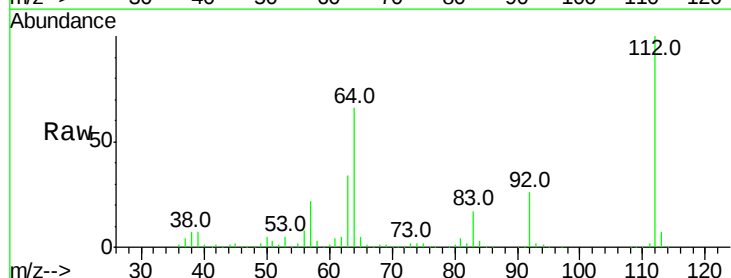
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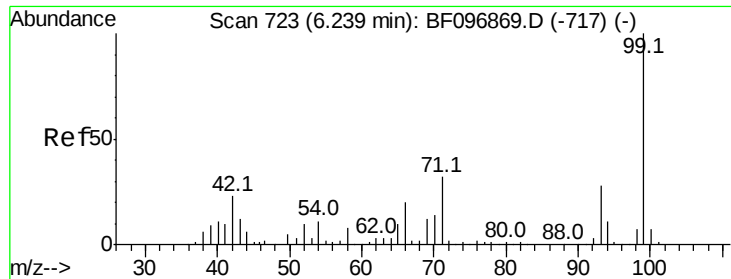


#5

2-Fluorophenol
Concen: 111.933 ng
RT: 5.17 min Scan# 541
Delta R.T. -0.03 min
Lab File: BF096960.D
Acq: 21 Jul 2017 22:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.5	46.0	69.0
63	33.9	23.4	35.0





#7

Phenol-d6

Concen: 109.078 ng

RT: 6.22 min Scan# 719

Delta R.T. -0.04 min

Lab File: BF096960.D

Acq: 21 Jul 2017 22:47

Instrument :

BNA_F

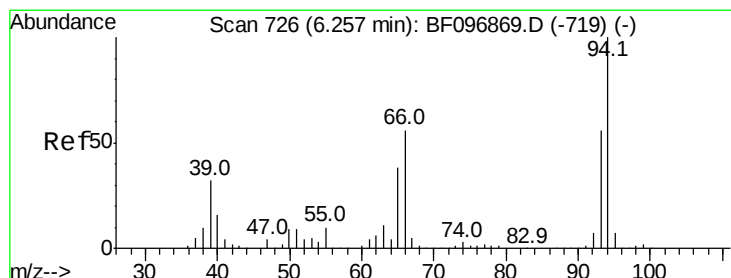
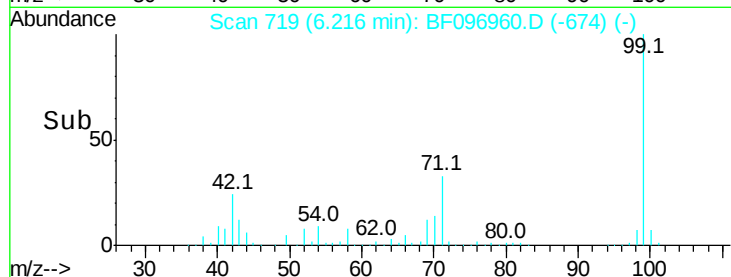
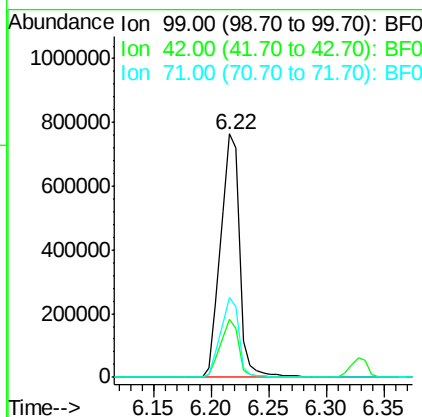
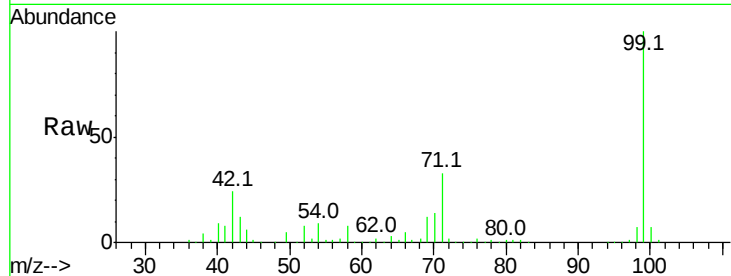
ClientSampled :

S-1

Tot Ion:	99	Resp:	880759
Ion Ratio	Lower	Upper	
99	100		
42	23.7	13.5	20.3#
71	33.0	24.5	36.7

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#10

Phenol

Concen: 3.874 ng

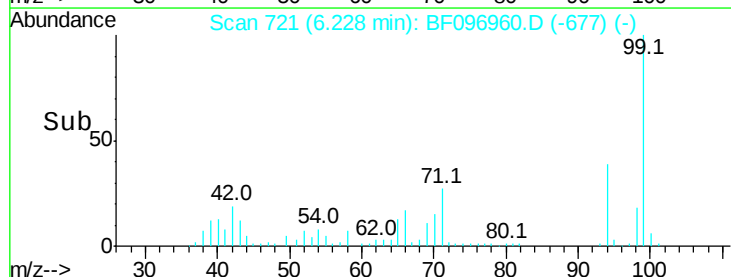
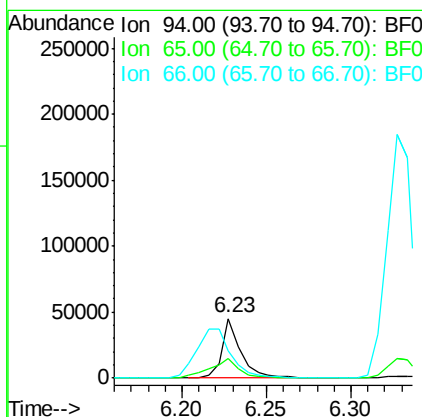
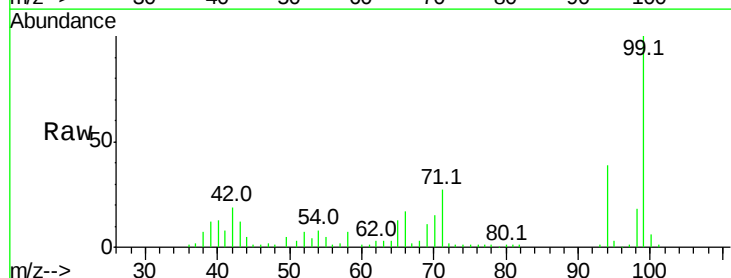
RT: 6.23 min Scan# 721

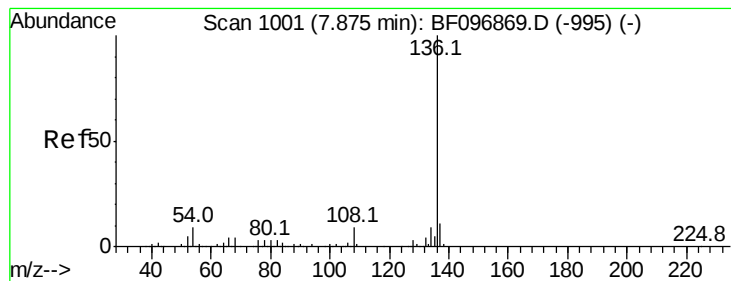
Delta R.T. -0.04 min

Lab File: BF096960.D

Acq: 21 Jul 2017 22:47

Tgt Ion:	94	Resp:	35365
Ion Ratio	Lower	Upper	
94	100		
65	33.8	9.9	49.9
66	45.0	23.1	63.1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.84 min Scan# 995

Delta R.T. -0.05 min

Lab File: BF096960.D

Acq: 21 Jul 2017 22:47

Instrument :

BNA_F

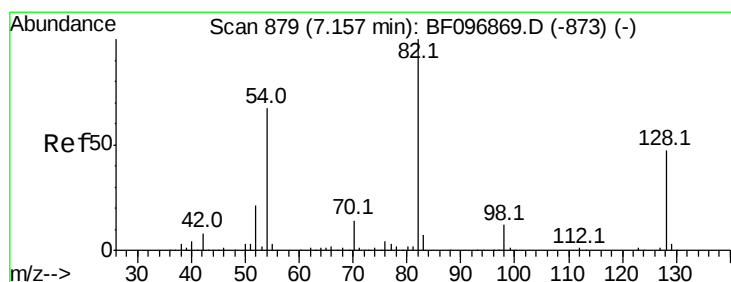
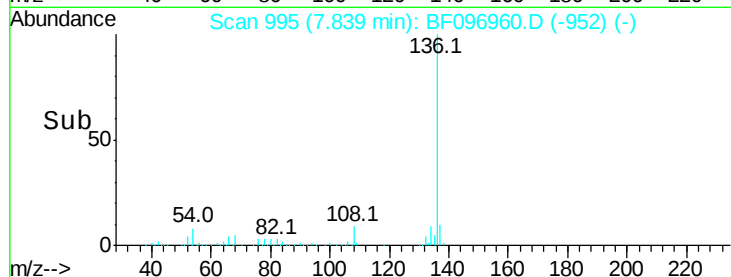
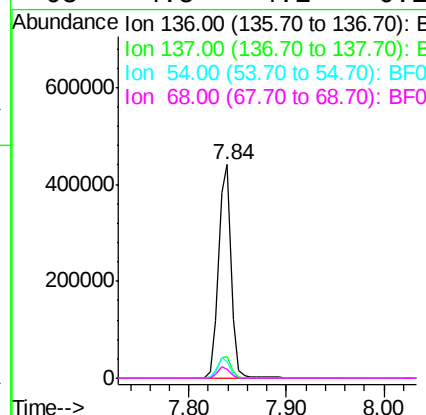
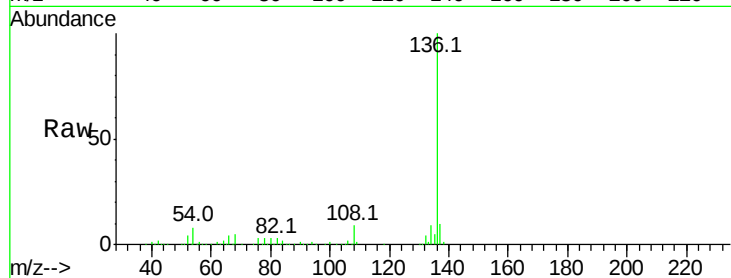
ClientSampled :

S-1

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.4	8.5	12.7	
54	8.1	4.9	7.3	
68	4.5	4.1	6.1	

Manual Integrations
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#23

Nitrobenzene-d5

Concen: 77.208 ng

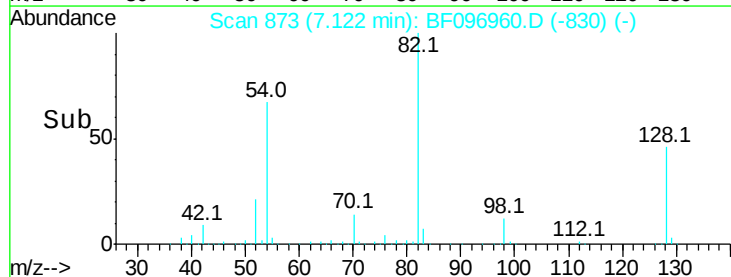
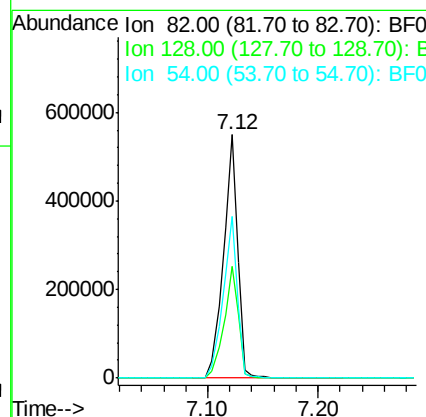
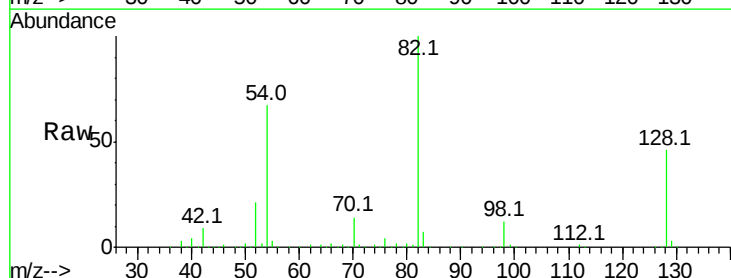
RT: 7.12 min Scan# 873

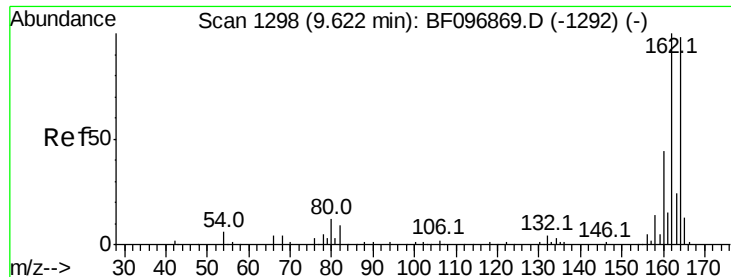
Delta R.T. -0.05 min

Lab File: BF096960.D

Acq: 21 Jul 2017 22:47

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.9	34.0	51.0	
54	66.5	42.2	63.2	





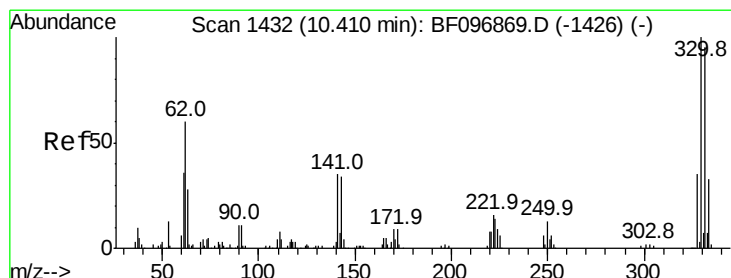
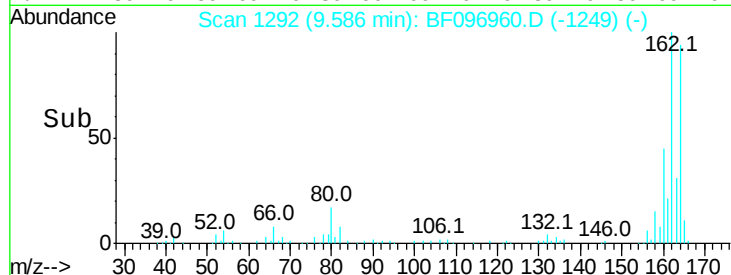
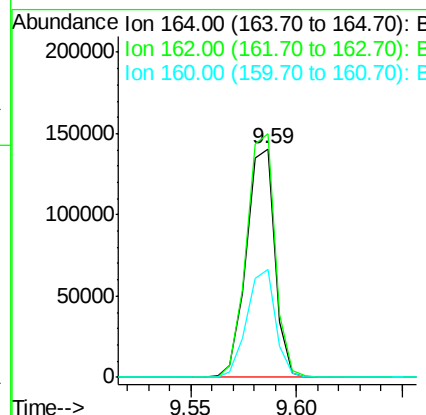
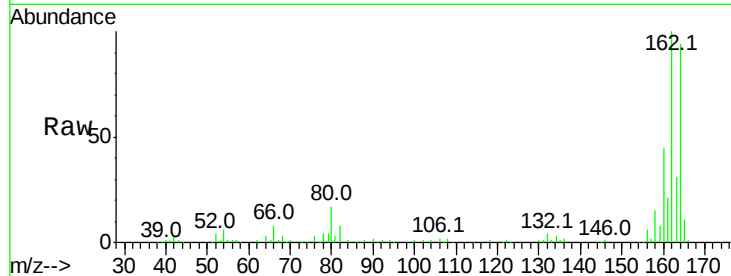
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.59 min Scan# 1292
Delta R.T. -0.05 min
Lab File: BF096960.D
Acq: 21 Jul 2017 22:47

Instrument :
BNA_F
ClientSampleId :
S-1

Tot Ion	Ratio	Lower	Upper
164	100		
162	106.7	82.6	123.8
160	47.5	36.2	54.2

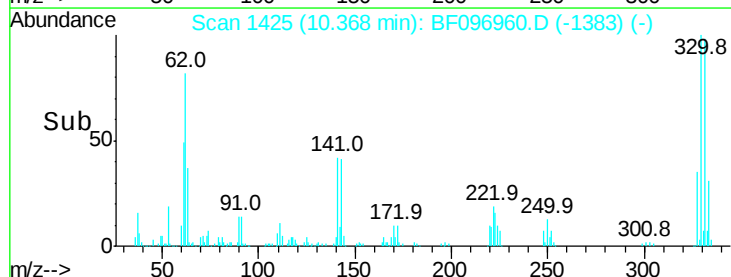
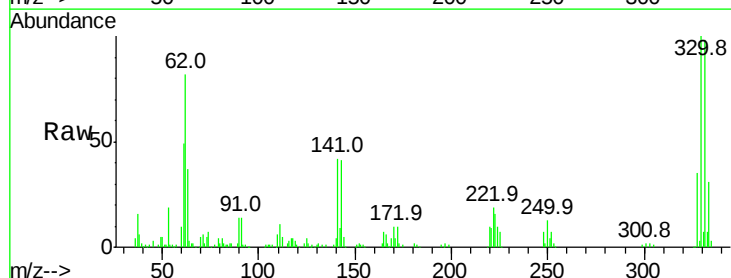
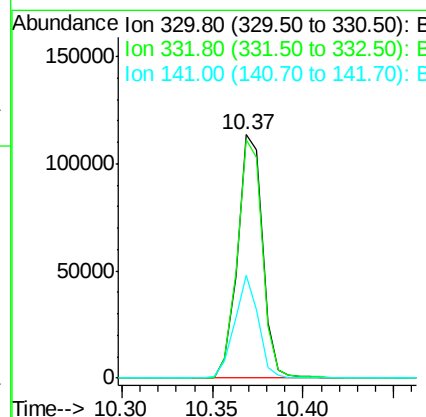
Manual Integrations
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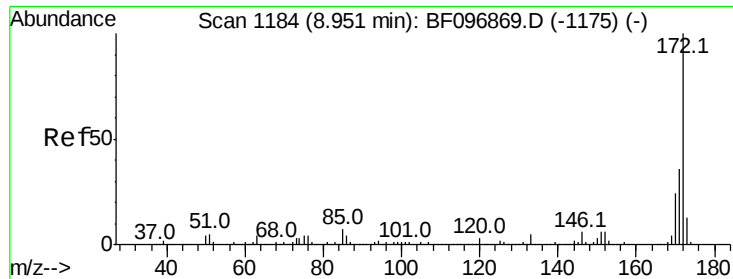
Sohil
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#41
2,4,6-Tribromophenol
Concen: 97.318 ng
RT: 10.37 min Scan# 1425
Delta R.T. -0.05 min
Lab File: BF096960.D
Acq: 21 Jul 2017 22:47

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.1	76.6	115.0
141	39.8	31.4	47.2





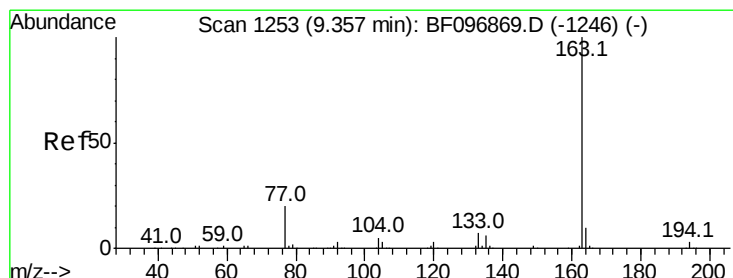
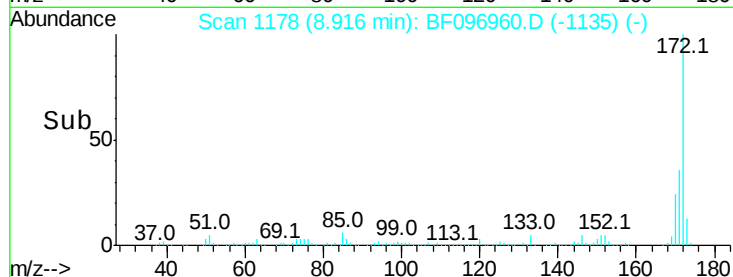
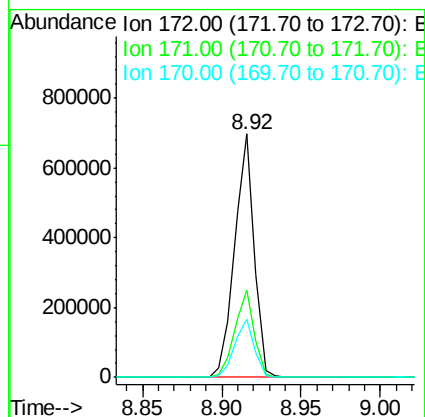
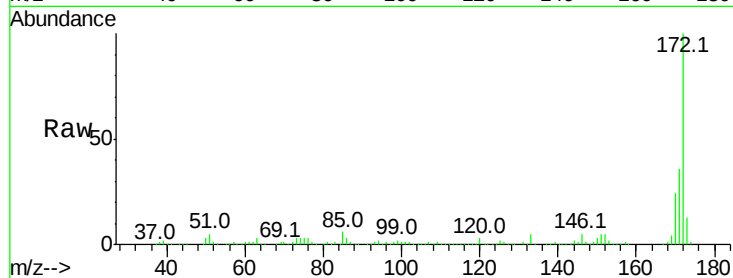
#44
2-Fluorobiphenyl
Concen: 71.470 ng
RT: 8.92 min Scan# 1178
Delta R.T. -0.05 min
Lab File: BF096960.D
Acq: 21 Jul 2017 22:47

Instrument :
BNA_F
ClientSampled :
S-1

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.7	29.6	44.4	
170	23.8	19.8	29.8	

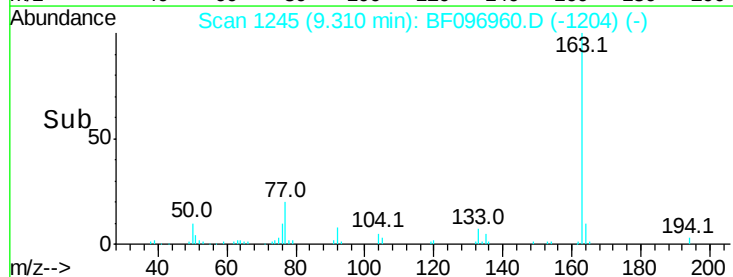
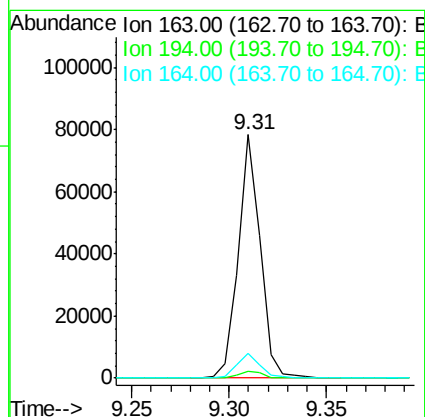
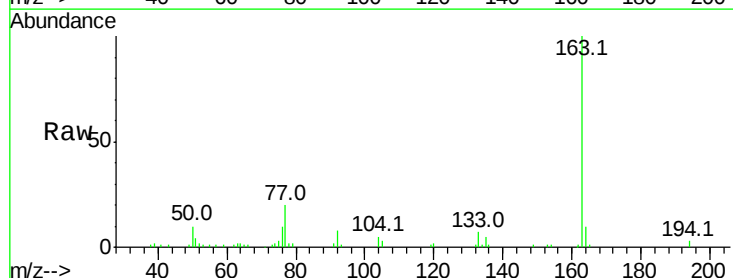
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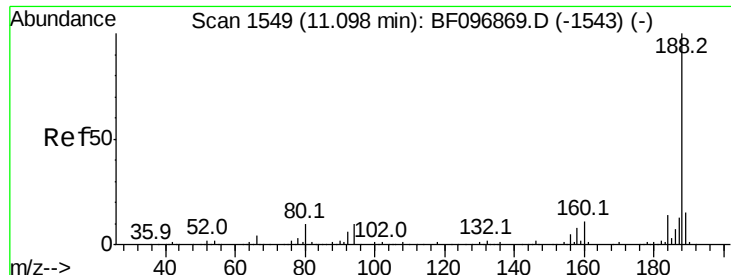
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#49
Dimethylphthalate
Concen: 6.158 ng
RT: 9.31 min Scan# 1245
Delta R.T. -0.06 min
Lab File: BF096960.D
Acq: 21 Jul 2017 22:47

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	2.8	2.6	4.0	
164	10.3	8.4	12.6	





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.06 min Scan# 1542

Delta R.T. -0.05 min

Lab File: BF096960.D

Acq: 21 Jul 2017 22:47

Instrument :

BNA_F

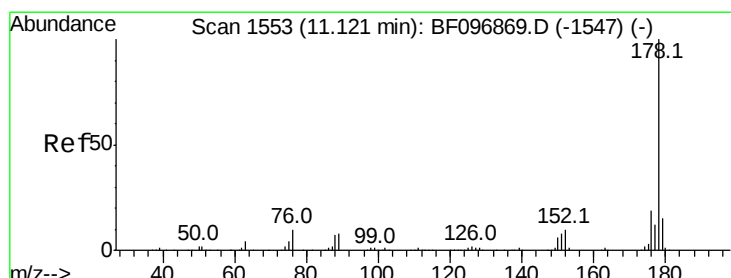
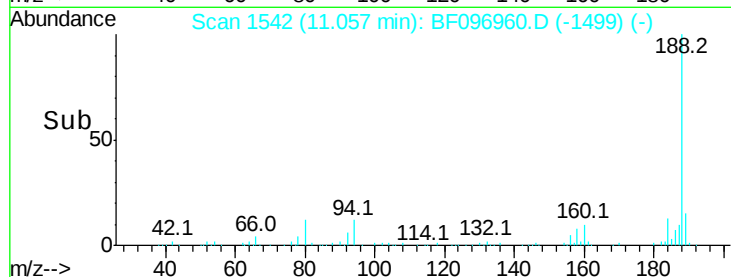
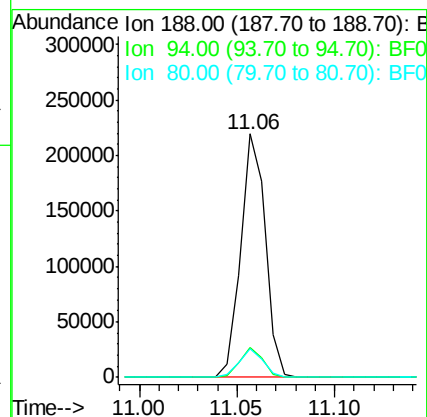
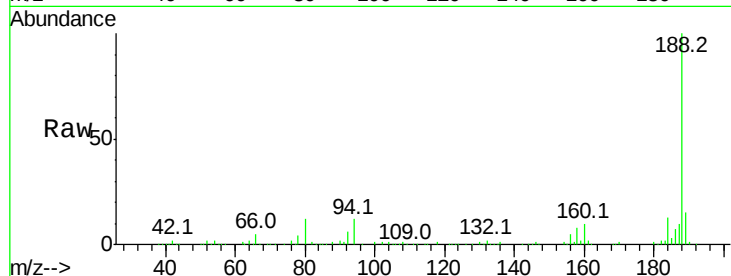
ClientSampled :

S-1

Tot Ion:	188	Resp:	192510
Ion Ratio	Lower	Upper	
188	100		
94	12.1	9.4	14.2
80	11.6	10.2	15.2

Manual Integrations
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#70

Phenanthrene

Concen: 10.616 ng

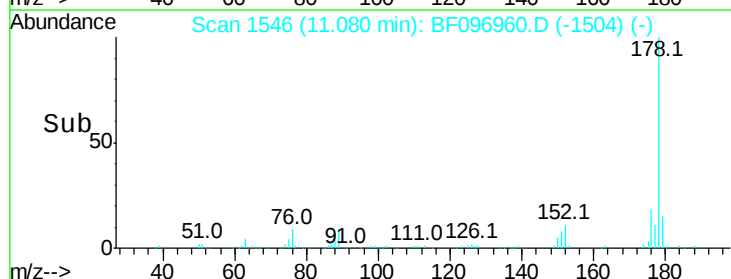
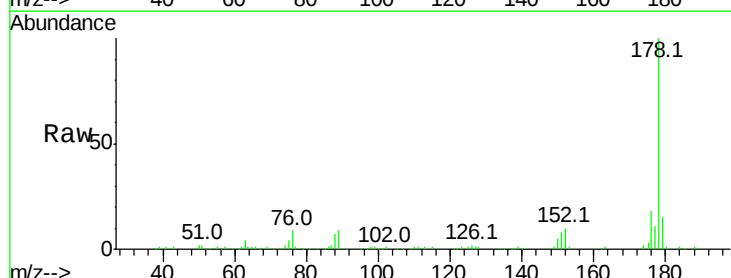
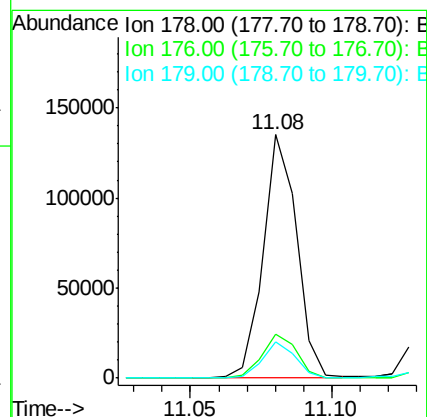
RT: 11.08 min Scan# 1546

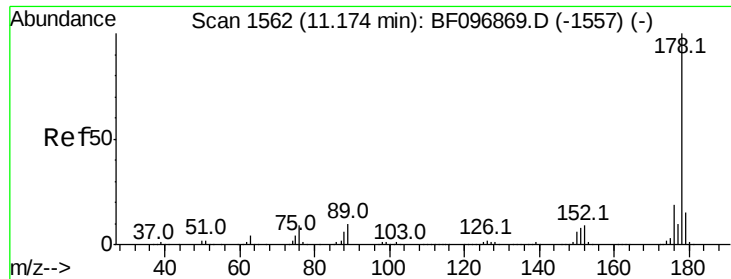
Delta R.T. -0.05 min

Lab File: BF096960.D

Acq: 21 Jul 2017 22:47

Tgt Ion:	178	Resp:	111119
Ion Ratio	Lower	Upper	
178	100		
176	18.1	16.2	24.4
179	14.9	12.6	19.0





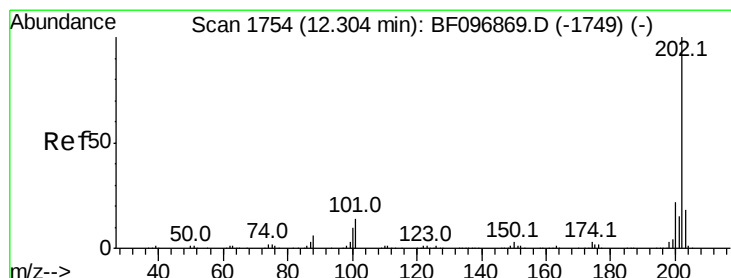
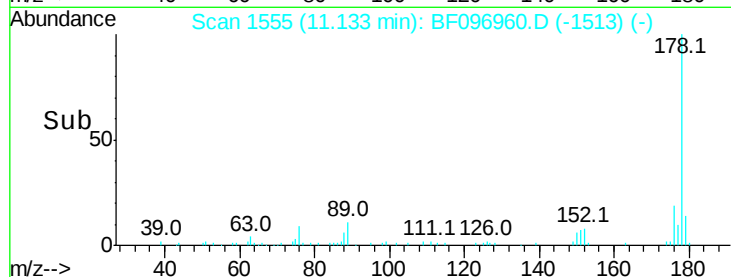
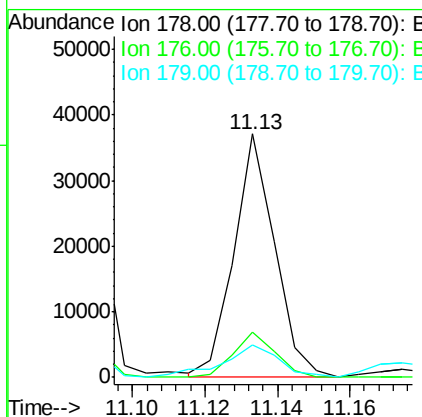
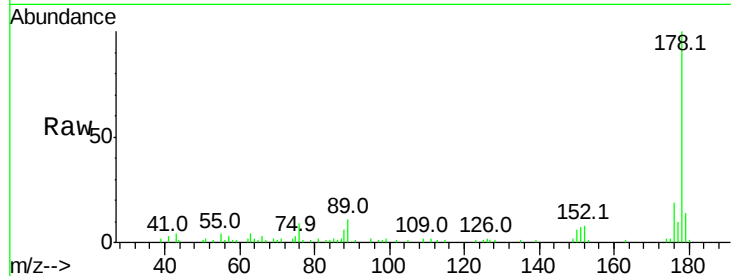
#71
 Anthracene
 Concen: 2.778 ng
 RT: 11.13 min Scan# 1555
 Delta R.T. -0.05 min
 Lab File: BF096960.D
 Acq: 21 Jul 2017 22:47

Instrument :
 BNA_F
 ClientSampled :
 S-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.8
179	13.6	12.7	19.1

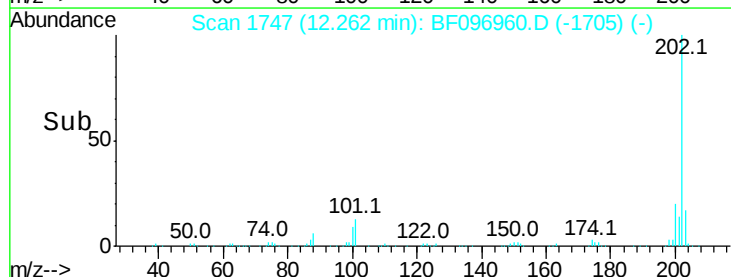
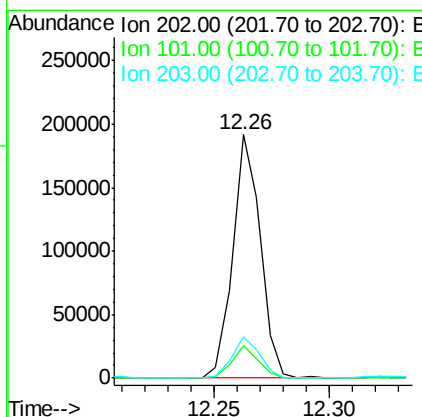
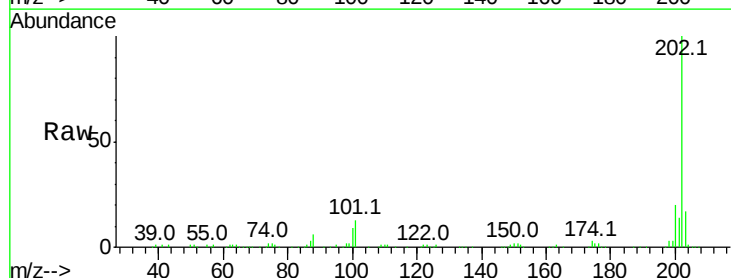
Manual Integrations
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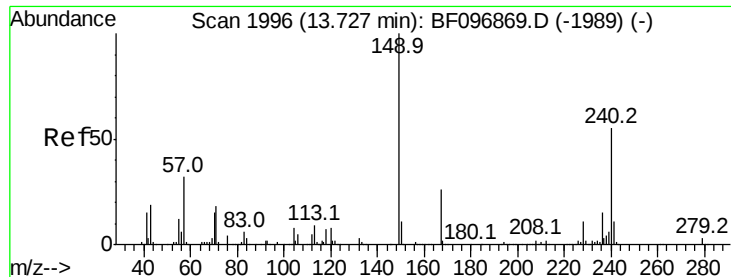
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#74
 Fluoranthene
 Concen: 15.900 ng
 RT: 12.26 min Scan# 1747
 Delta R.T. -0.05 min
 Lab File: BF096960.D
 Acq: 21 Jul 2017 22:47

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	33.2
203	16.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.69 min Scan# 1989

Delta R.T. -0.05 min

Lab File: BF096960.D

Acq: 21 Jul 2017 22:47

Instrument :

BNA_F

ClientSampled :

S-1

Tot Ion:240 Resp: 187107
Ion Ratio Lower Upper

240 100

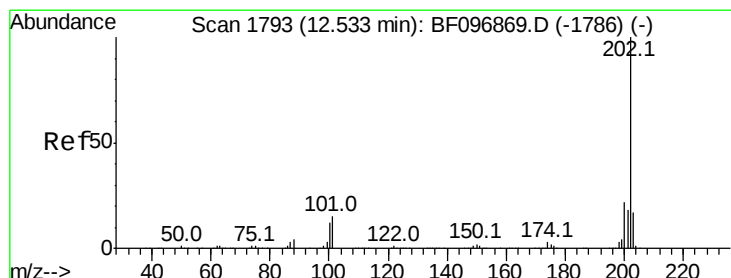
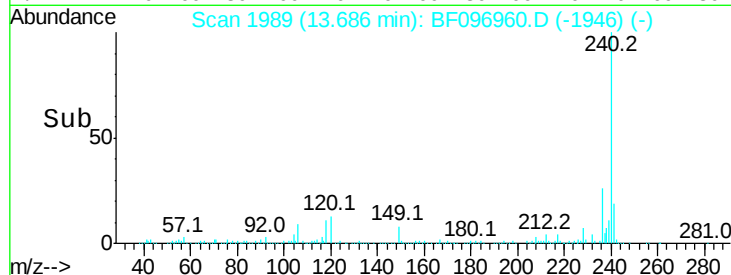
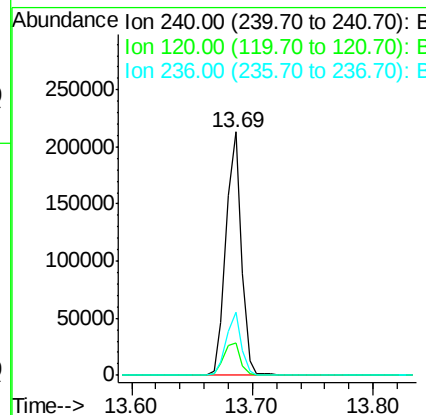
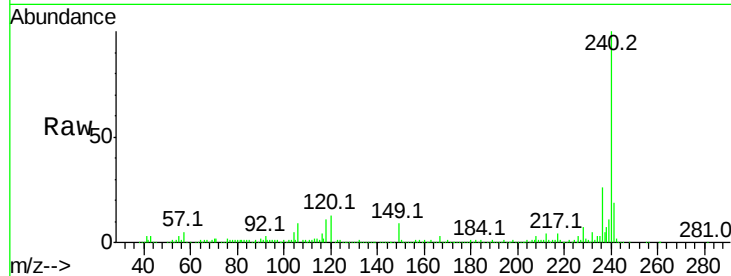
120 13.3 5.8 8.8#

236 26.0 20.5 30.7

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#77

Pyrene

Concen: 8.005 ng

RT: 12.49 min Scan# 1786

Delta R.T. -0.05 min

Lab File: BF096960.D

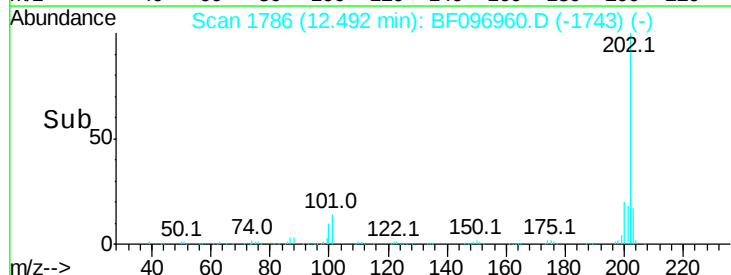
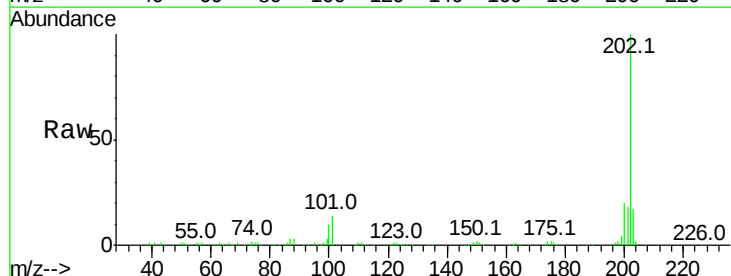
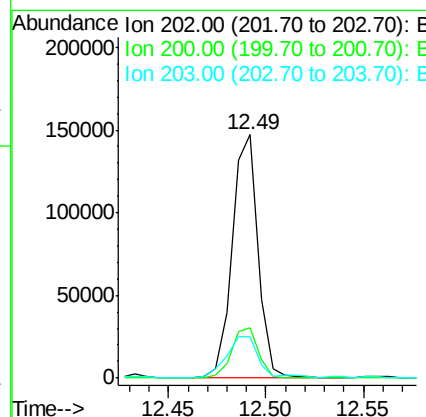
Acq: 21 Jul 2017 22:47

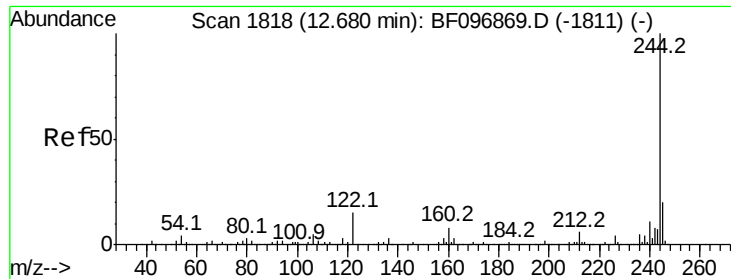
Tgt Ion:202 Resp: 135941
Ion Ratio Lower Upper

202 100

200 20.5 17.6 26.4

203 16.9 14.4 21.6





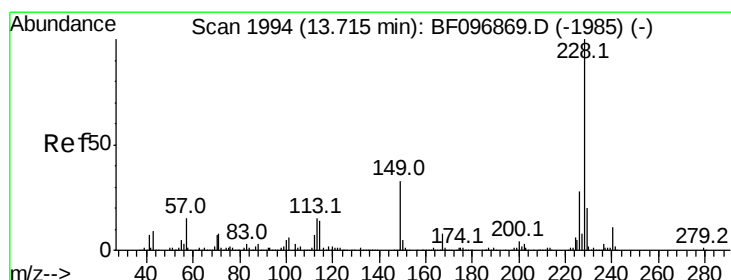
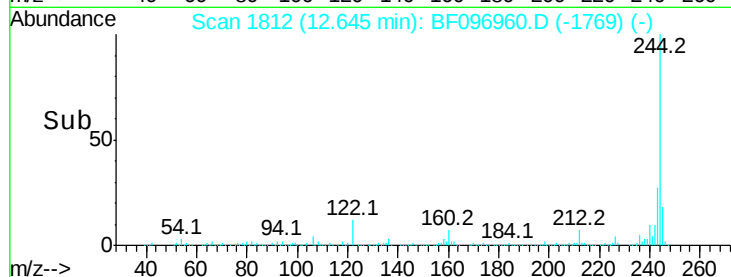
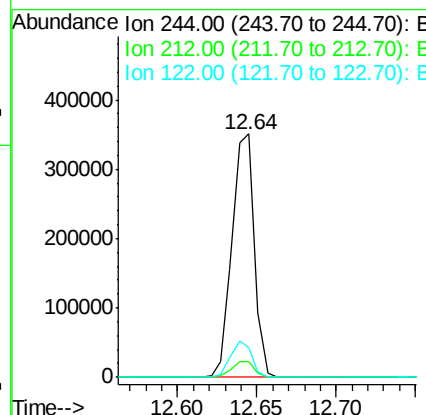
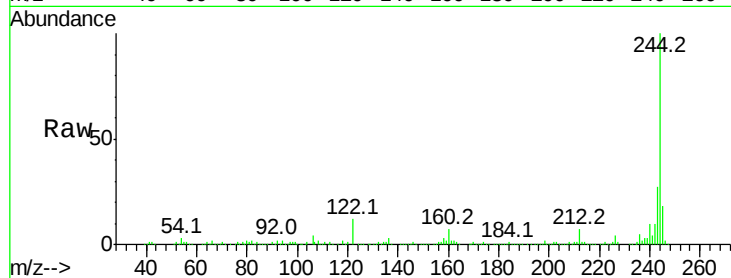
#78
 Terphenyl-d14
 Concen: 31.727 ng
 RT: 12.64 min Scan# 1812
 Delta R.T. -0.05 min
 Lab File: BF096960.D
 Acq: 21 Jul 2017 22:47

Instrument :
 BNA_F
 ClientSampled :
 S-1

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.0	9.0
122	12.4	10.3	15.5

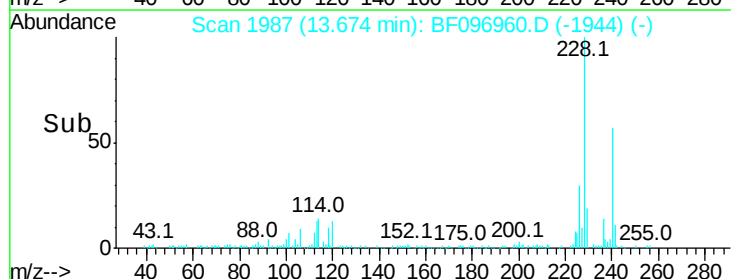
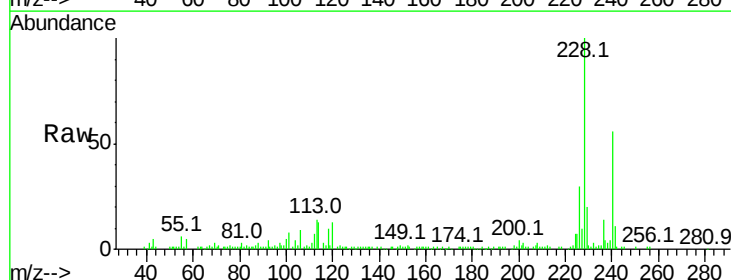
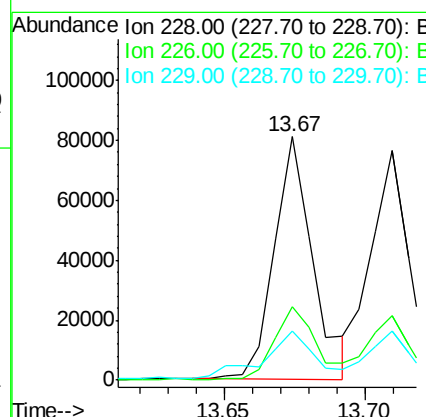
Manual Integrations
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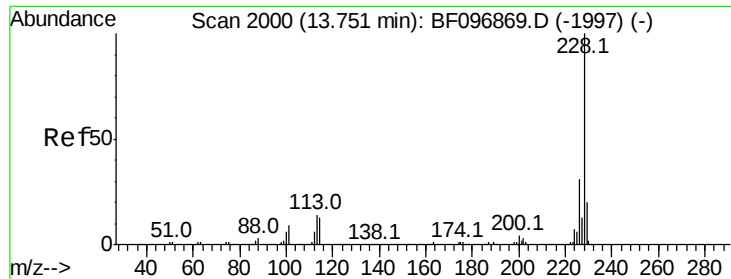
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#80
 Benzo(a)anthracene
 Concen: 6.590 ng
 RT: 13.67 min Scan# 1987
 Delta R.T. -0.05 min
 Lab File: BF096960.D
 Acq: 21 Jul 2017 22:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.6	33.8
229	20.4	16.3	24.5





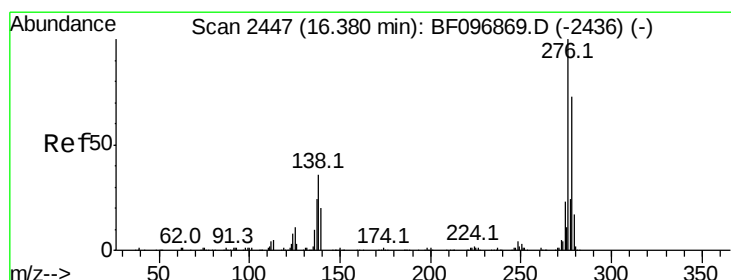
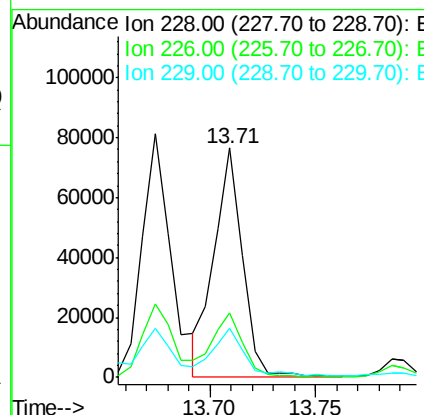
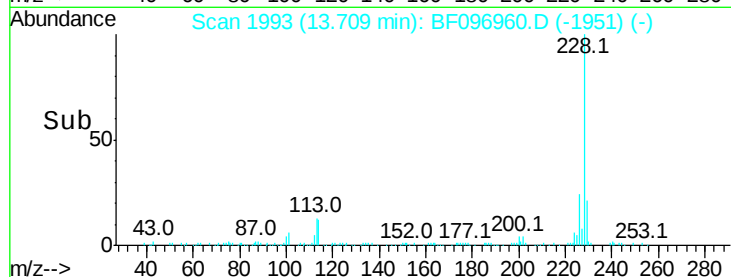
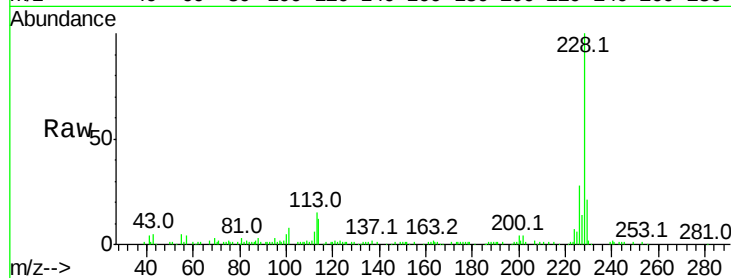
#82
Chrysene
Concen: 6.247 ng
RT: 13.71 min Scan# 1993
Delta R.T. -0.05 min
Lab File: BF096960.D
Acq: 21 Jul 2017 22:47

Instrument :
BNA_F
ClientSampled :
S-1

Tot Ion:	228	Resp:	71701
Ion Ratio	Lower	Upper	
228	100		
226	28.3	24.9	37.3
229	21.3	15.8	23.6

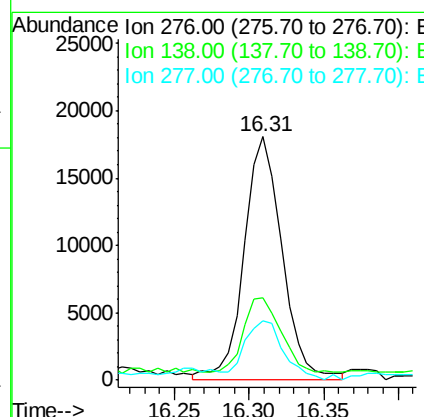
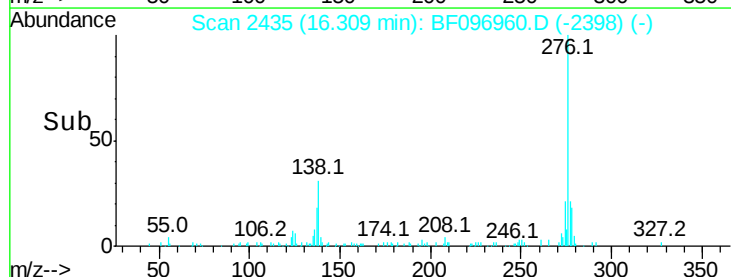
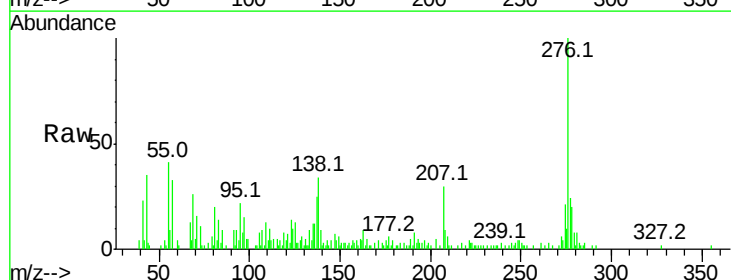
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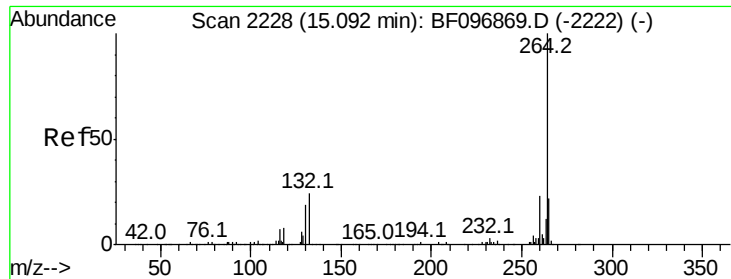
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#85
Indeno(1,2,3-cd)pyrene
Concen: 6.219 ng
RT: 16.31 min Scan# 2435
Delta R.T. -0.08 min
Lab File: BF096960.D
Acq: 21 Jul 2017 22:47

Tgt Ion:	276	Resp:	31983
Ion Ratio	Lower	Upper	
276	100		
138	30.1	27.8	41.6
277	25.2	20.2	30.4





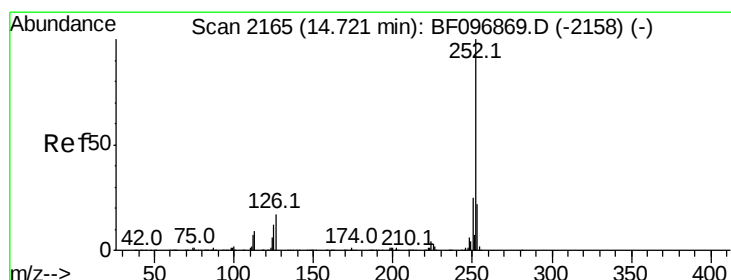
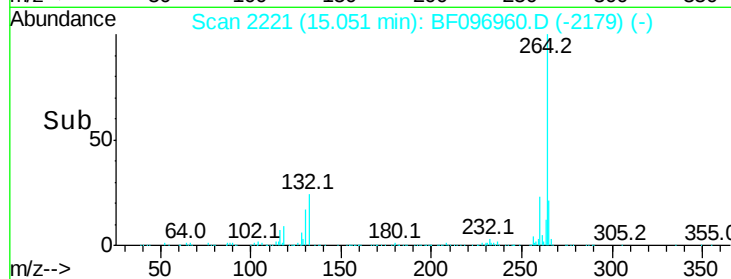
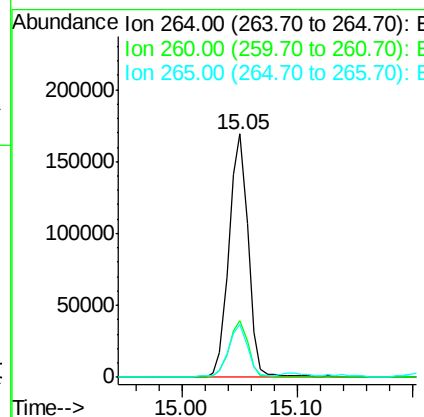
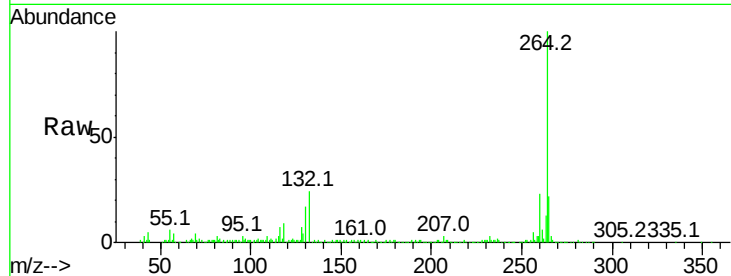
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.05 min Scan# 2221
Delta R.T. -0.05 min
Lab File: BF096960.D
Acq: 21 Jul 2017 22:47

Instrument :
BNA_F
ClientSampled :
S-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.5	29.3
265	21.8	17.2	25.8

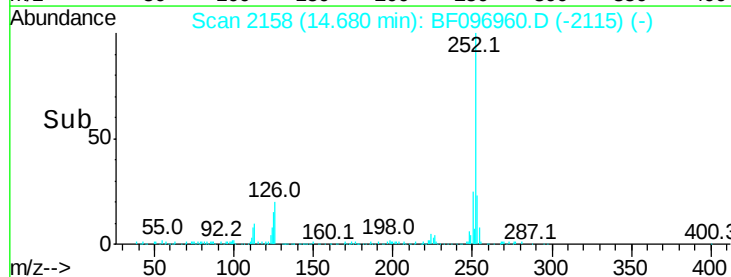
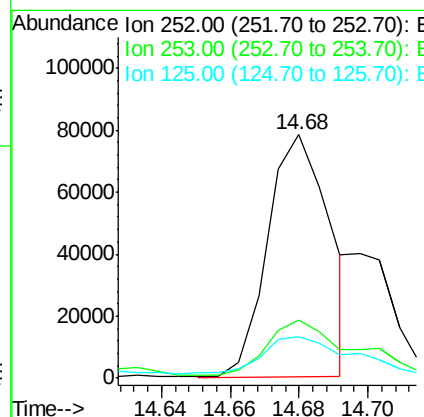
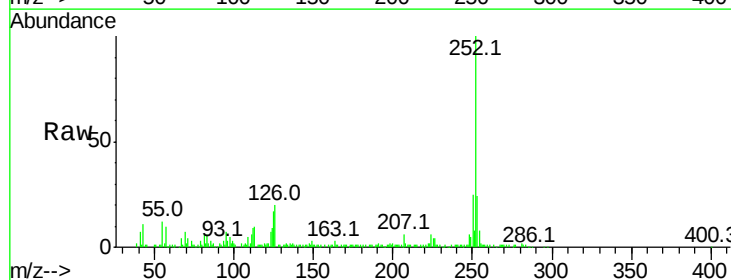
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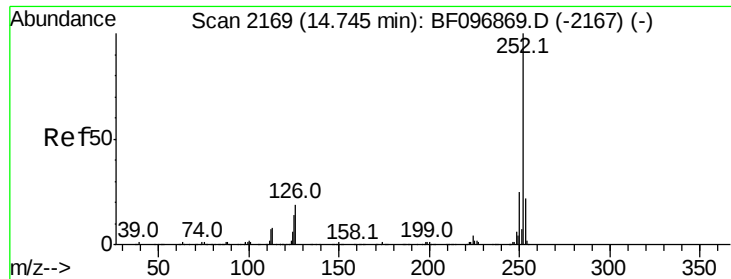
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#87
Benzo(b)fluoranthene
Concen: 8.268 ng m
RT: 14.68 min Scan# 2158
Delta R.T. -0.05 min
Lab File: BF096960.D
Acq: 21 Jul 2017 22:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.1	27.1
125	17.1	9.8	14.8#





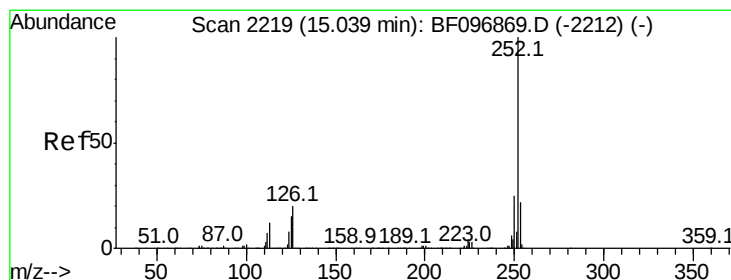
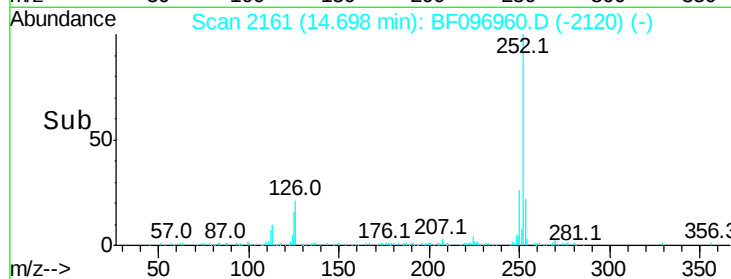
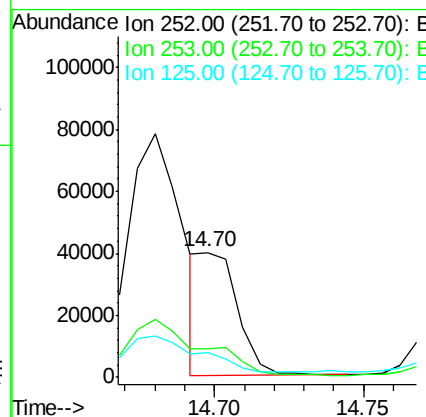
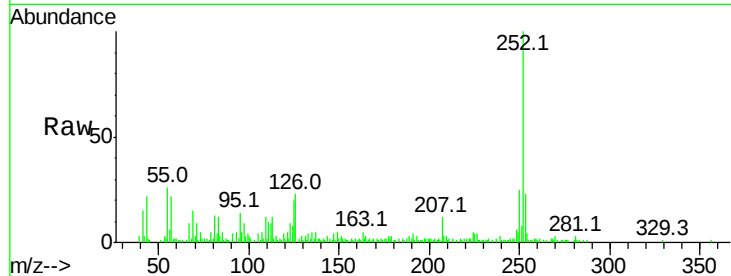
#88
Benzo(k)fluoranthene
Concen: 3.121 ng m
RT: 14.70 min Scan# 2161
Delta R.T. -0.06 min
Lab File: BF096960.D
Acq: 21 Jul 2017 22:47

Instrument :
BNA_F
ClientSampled :
S-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.4	27.6
125	20.2	13.1	19.7#

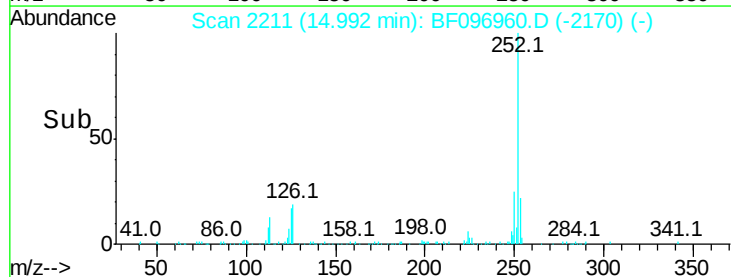
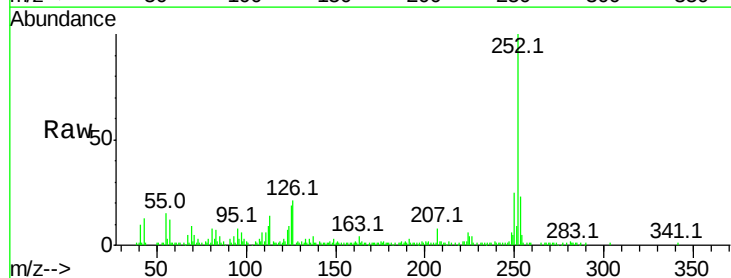
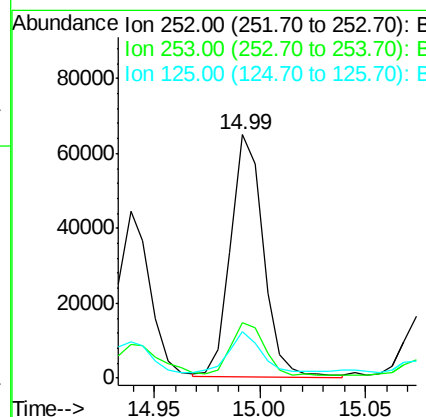
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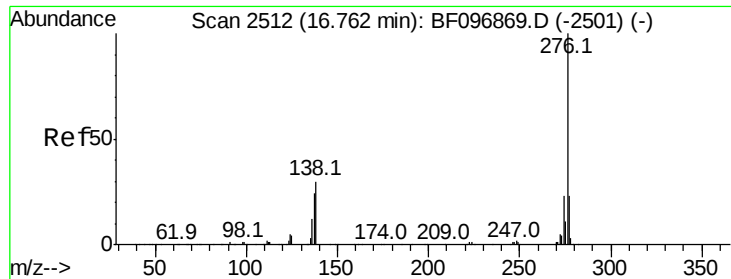
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#89
Benzo(a)pyrene
Concen: 6.389 ng
RT: 14.99 min Scan# 2211
Delta R.T. -0.06 min
Lab File: BF096960.D
Acq: 21 Jul 2017 22:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	19.2	11.0	16.4#





#91
 Benzo(a,h,i)perylene
 Concen: 2.624 ng
 RT: 16.69 min Scan# 2499
 Delta R.T. -0.09 min
 Lab File: BF096960.D
 Acq: 21 Jul 2017 22:47

Instrument :
 BNA_F
 ClientSampleId :
 S-1

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	22.9	18.6	28.0
138	36.1	25.4	38.0

Manual Integrations
 APPROVED

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