

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070117\
 Data File : BF096401.D
 Acq On : 2 Jul 2017 1:40
 Operator : SJ/MA
 Sample : I3977-01 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-062817

Manual Integrations
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 7/3/2017 4:03:47 PM

Quant Time: Jul 03 04:01:15 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 03 01:43:12 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	147861	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	505781	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	204775	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	346628	20.00	ng	0.00
75) Chrysene-d12	13.87	240	298824	20.00	ng	0.00
86) Perylene-d12	15.29	264	188414	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	206978	20.66	ng	-0.01
7) Phenol-d6	6.36	99	237910	19.32	ng	-0.02
23) Nitrobenzene-d5	7.29	82	119598	14.21	ng	-0.02
41) 2,4,6-Tribromophenol	10.55	330	33185	20.75	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	199648	16.67	ng	-0.01
78) Terphenyl-d14	12.83	244	170252	12.17	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.48	163	33504	2.192	ng	98
57) Fluorene	10.31	166	36256	3.045	ng	98
70) Phenanthrene	11.27	178	263138	14.043	ng	98
71) Anthracene	11.32	178	103165	5.403	ng	98
74) Fluoranthene	12.46	202	434225	23.636	ng	98
77) Pyrene	12.68	202	404059	16.846	ng	99
80) Benzo(a)anthracene	13.86	228	163636	9.456	ng	97
82) Chrysene	13.90	228	137419	7.583	ng	97
85) Indeno(1,2,3-cd)pyrene	16.65	276	49090	3.432	ng	98
87) Benzo(b)fluoranthene	14.89	252	139837m	11.845	ng	
88) Benzo(k)fluoranthene	14.91	252	36807m	3.485	ng	
89) Benzo(a)pyrene	15.23	252	96079	9.115	ng	# 95
91) Benzo(g,h,i)perylene	17.06	276	48394	5.632	ng	93

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

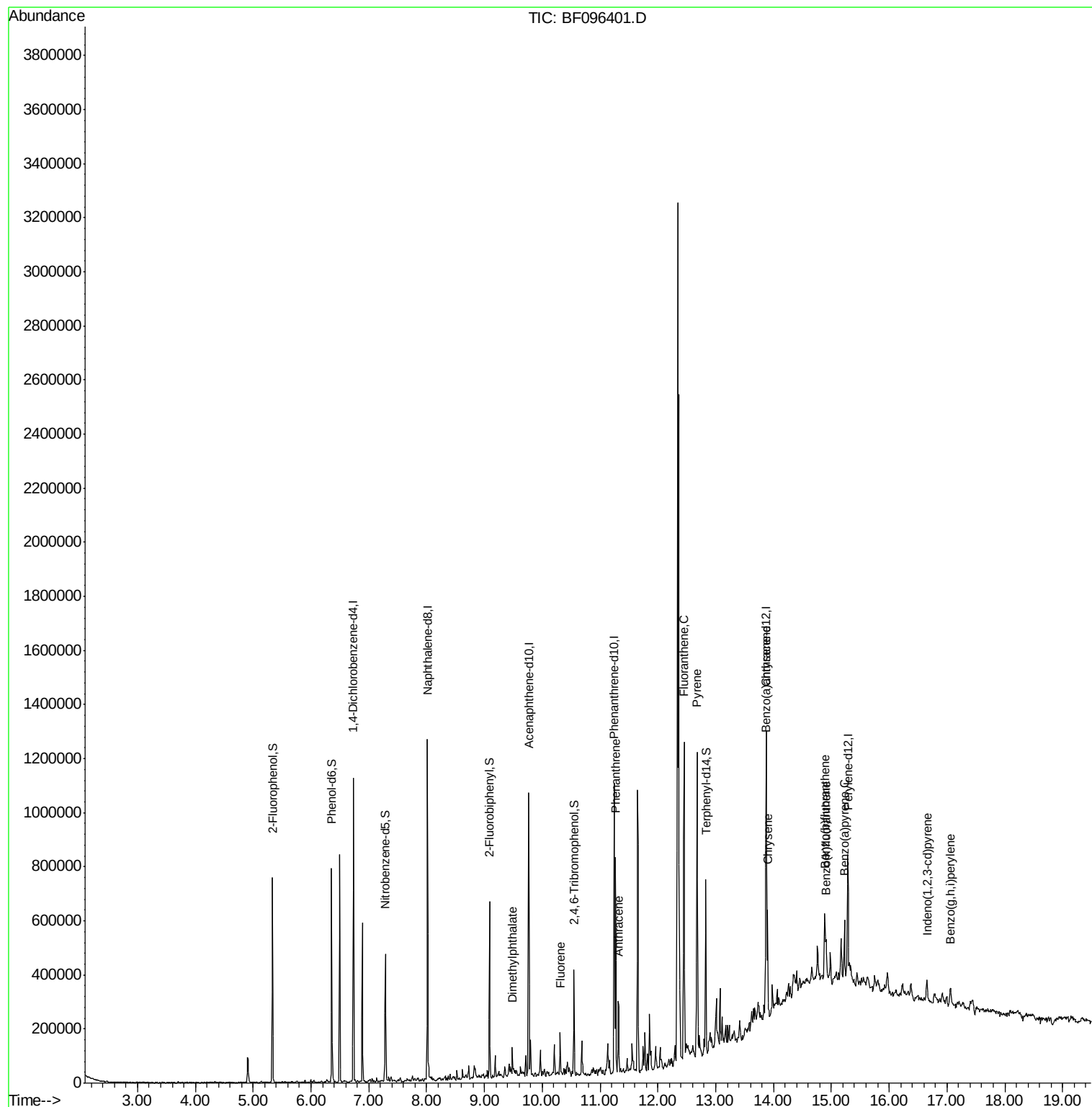
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070117\
Data File : BF096401.D
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Operator : SJ/MA
Sample : I3977-01 5X
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ALS Vial : 24 Sample Multiplier: 1

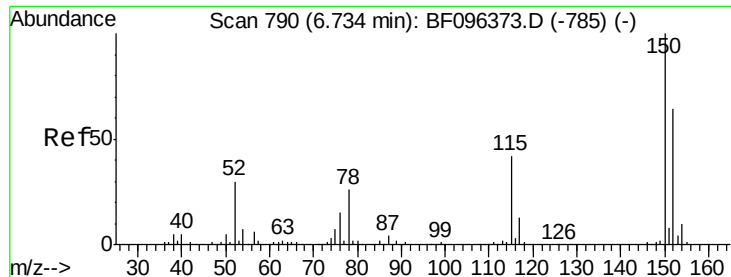
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
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#1

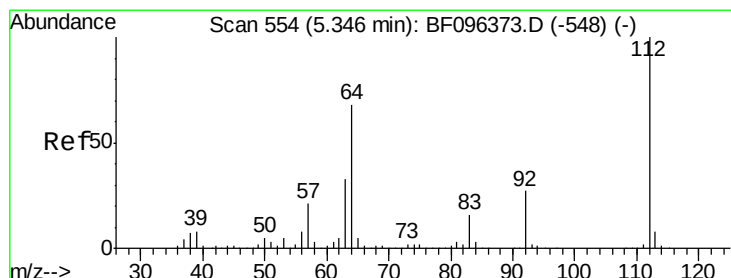
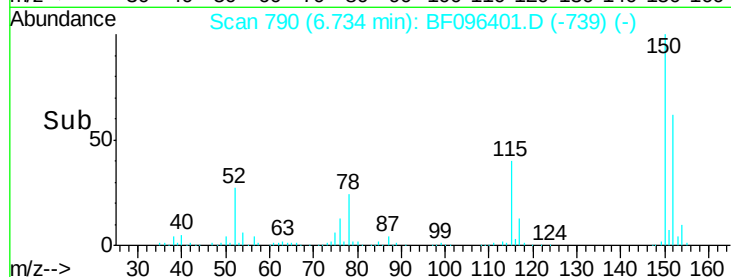
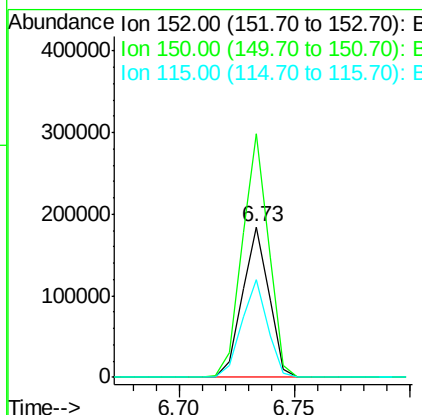
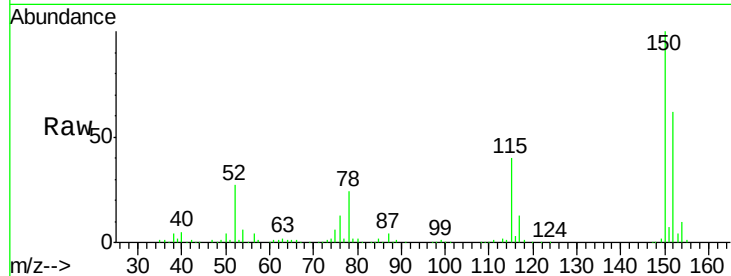
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF096401.D
Acq: 2 Jul 2017 1:40

Instrument :
BNA_F
ClientSampleId :
SU-03-062817

Tgt Ion	Ratio	Lower	Upper
152	100		
150	161.8	126.2	189.2
115	65.3	52.2	78.2

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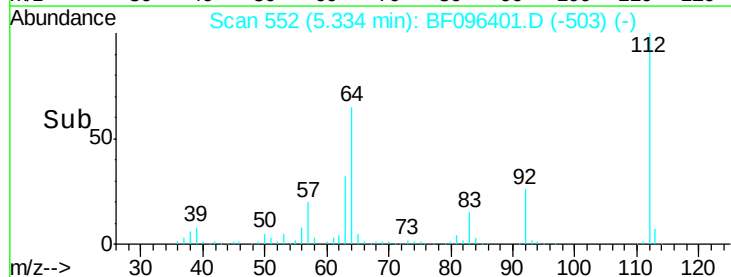
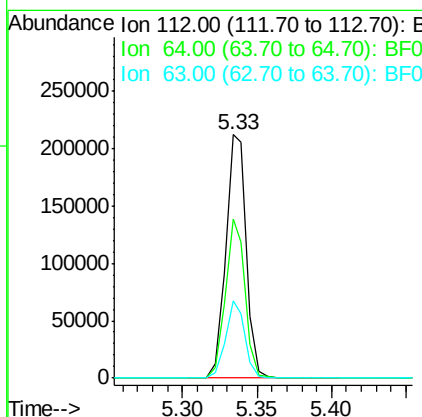
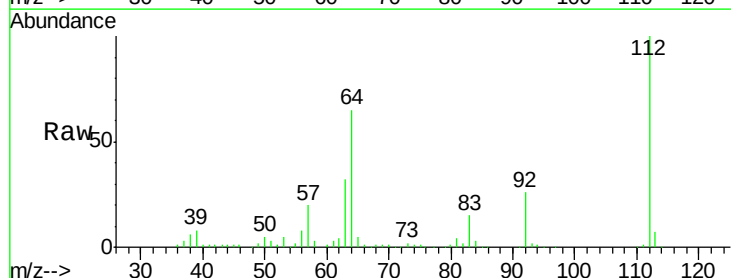
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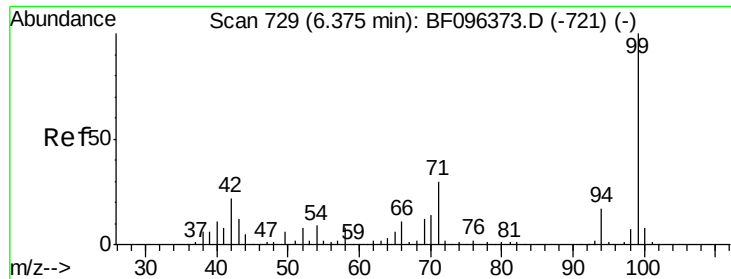


#5

2-Fluorophenol
Concen: 20.661 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.01 min
Lab File: BF096401.D
Acq: 2 Jul 2017 1:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.4	46.0	69.0
63	31.8	23.4	35.0





#7

Phenol-d6

Concen: 19.318 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF096401.D

Acq: 2 Jul 2017 1:40

Instrument :

BNA_F

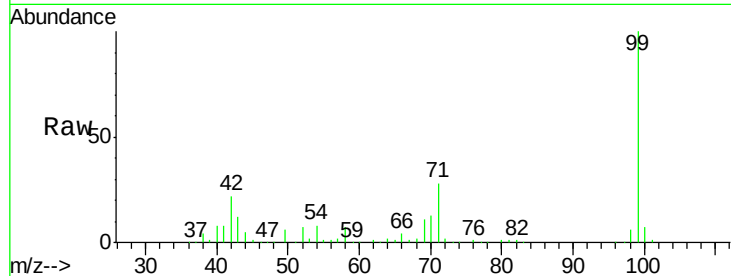
ClientSampleId :

SU-03-062817

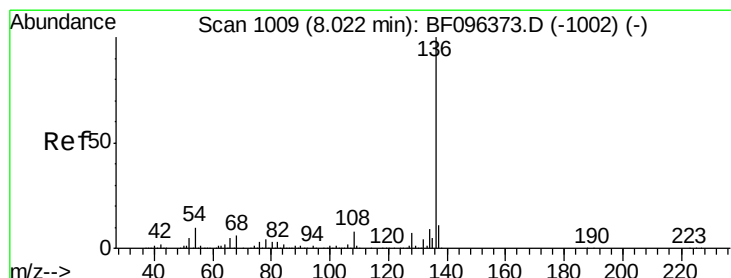
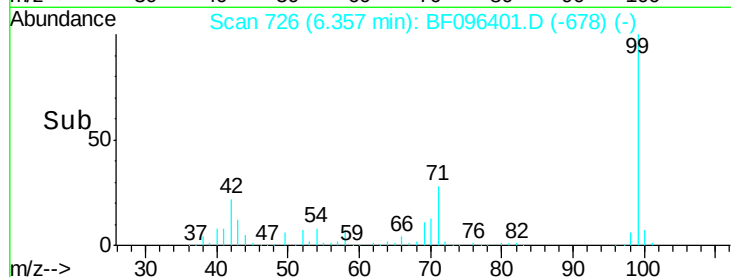
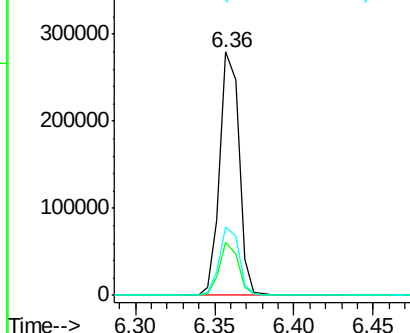
Tgt Ion:	99	Resp:	237910
Ion Ratio	Lower	Upper	
99	100		
42	22.0	13.5	20.3#
71	28.1	24.5	36.7

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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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1008

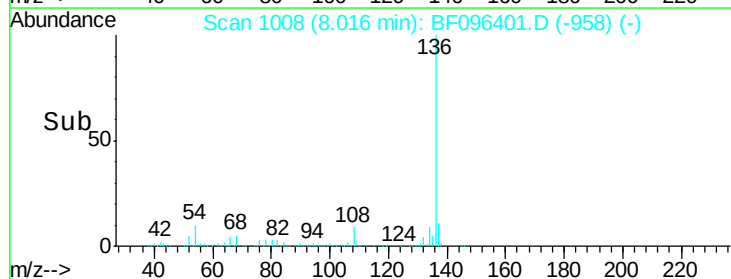
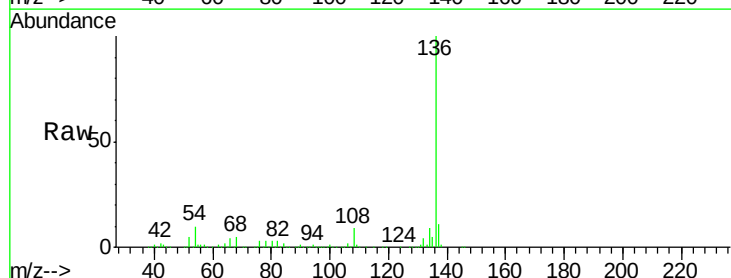
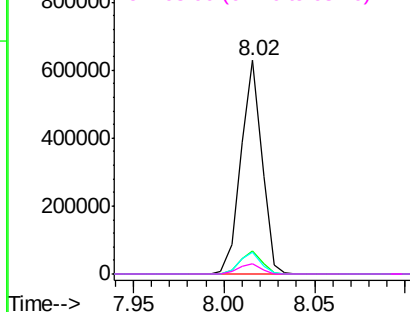
Delta R.T. -0.01 min

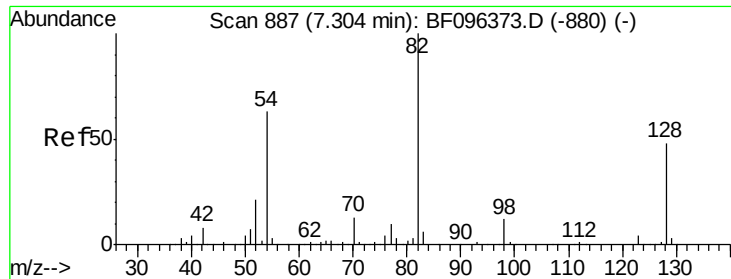
Lab File: BF096401.D

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Tgt Ion:	136	Resp:	505781
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.5	12.7
54	10.3	4.9	7.3#
68	5.0	4.1	6.1

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





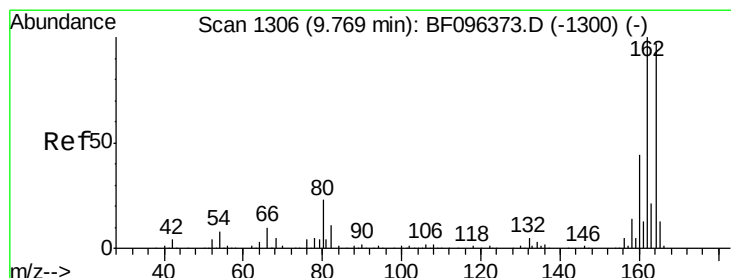
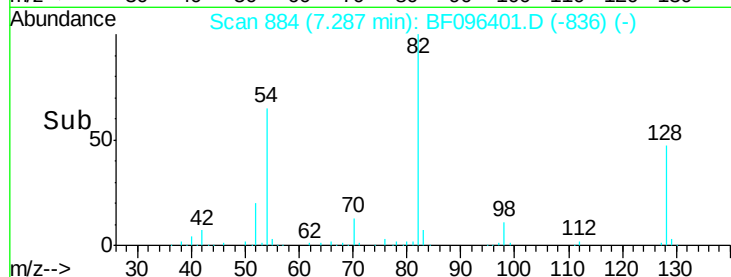
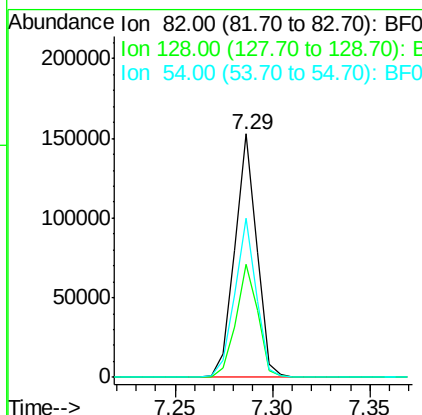
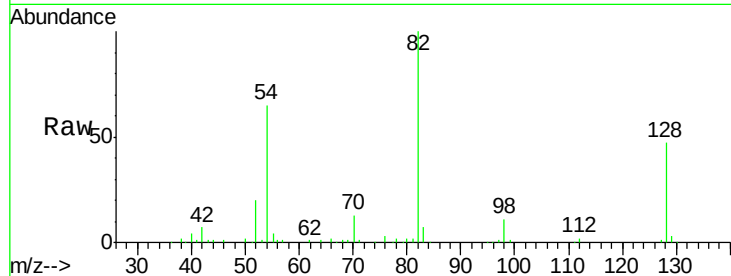
#23
 Nitrobenzene-d5
 Concen: 14.209 ng
 RT: 7.29 min Scan# 884
 Delta R.T. -0.02 min
 Lab File: BF096401.D
 Acq: 2 Jul 2017 1:40

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-062817

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	119598		
128	46.7	34.0	51.0	
54	65.3	42.2	63.2	

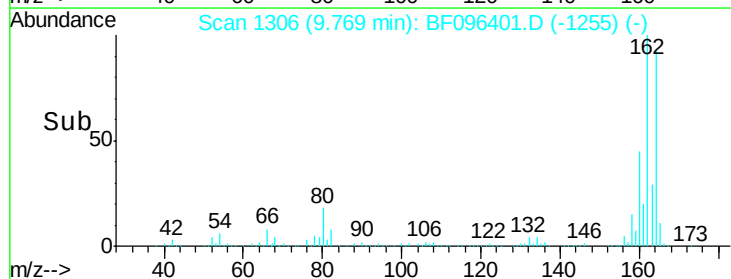
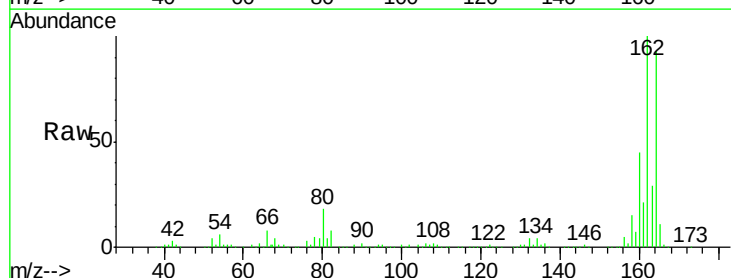
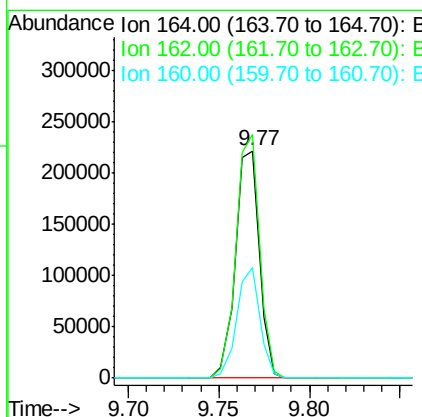
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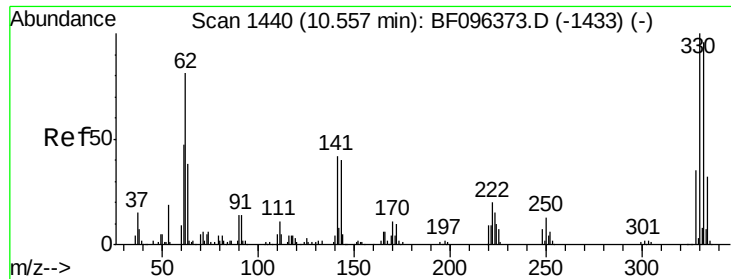
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. -0.00 min
 Lab File: BF096401.D
 Acq: 2 Jul 2017 1:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	204775		
162	107.0	82.6	123.8	
160	48.7	36.2	54.2	





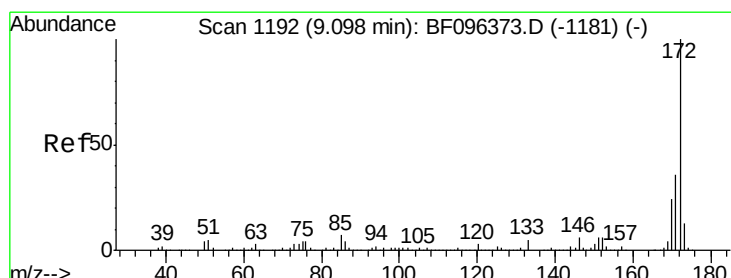
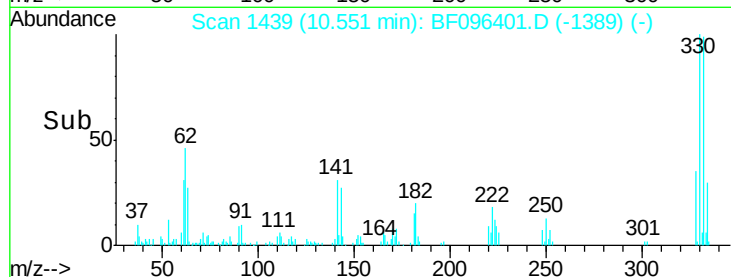
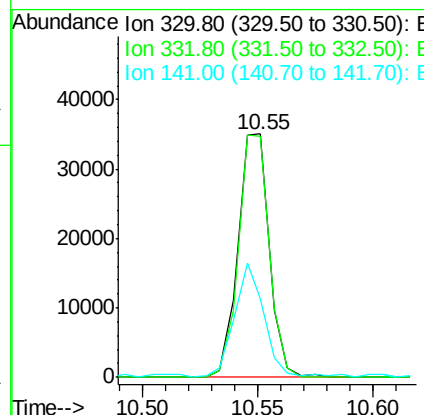
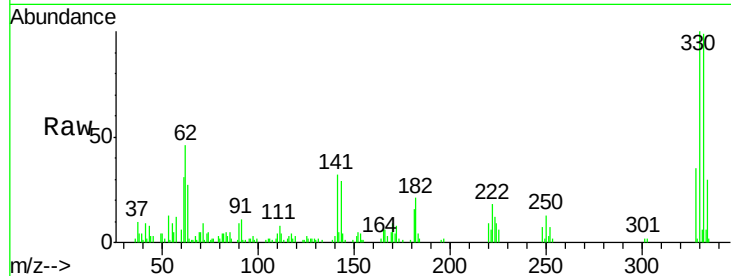
#41
 2,4,6-Tribromophenol
 Concen: 20.747 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF096401.D
 Acq: 2 Jul 2017 1:40

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-062817

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.6	115.0
141	45.3	31.4	47.2

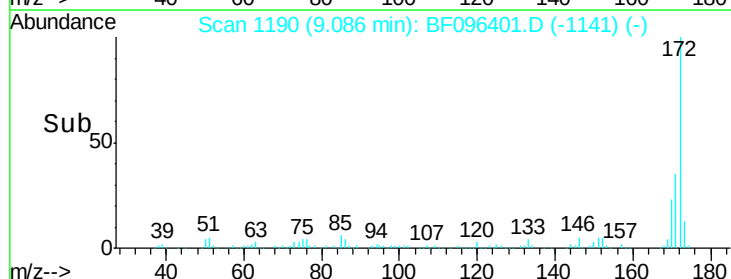
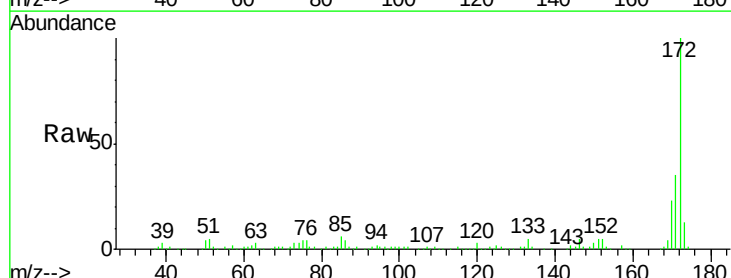
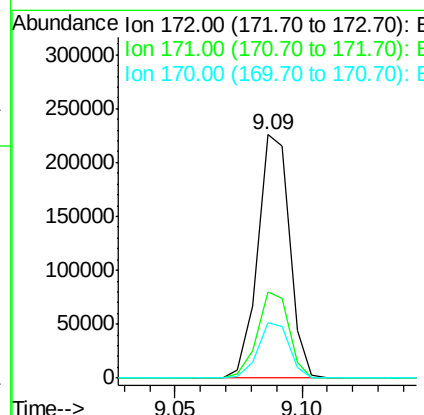
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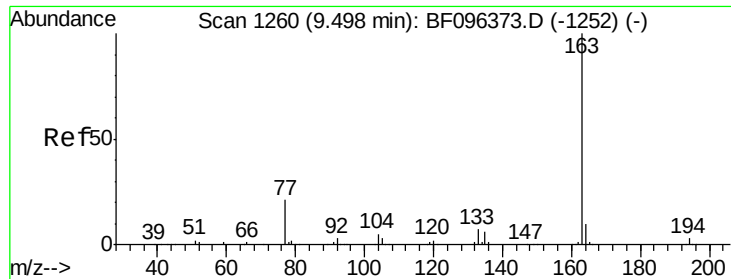
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#44
 2-Fluorobiphenyl
 Concen: 16.670 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF096401.D
 Acq: 2 Jul 2017 1:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.6	44.4
170	22.5	19.8	29.8





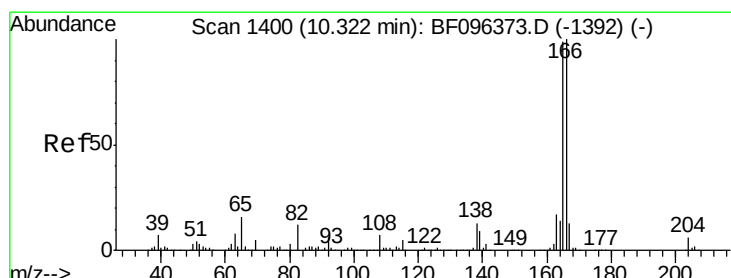
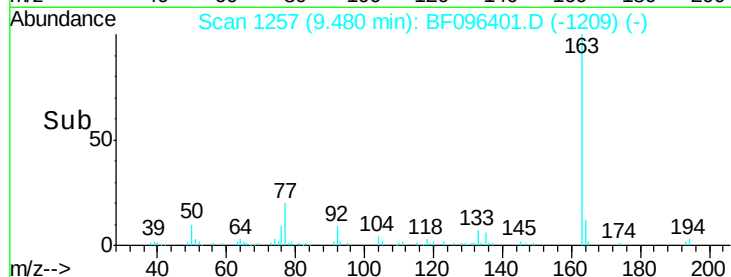
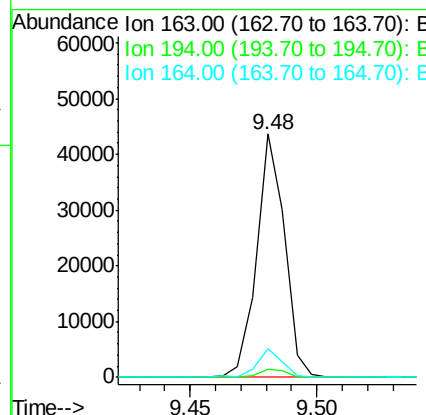
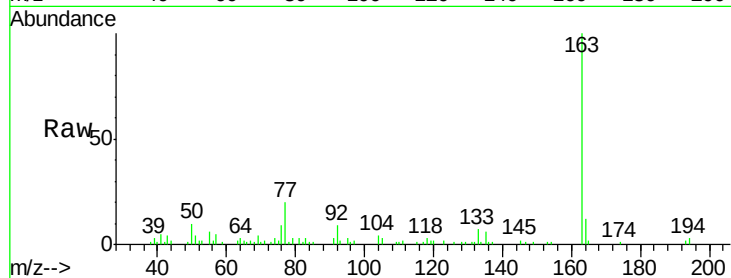
#49
Dimethylphthalate
Concen: 2.192 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BF096401.D
Acq: 2 Jul 2017 1:40

Instrument :
BNA_F
ClientSampleId :
SU-03-062817

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.6	4.0
164	11.6	8.4	12.6

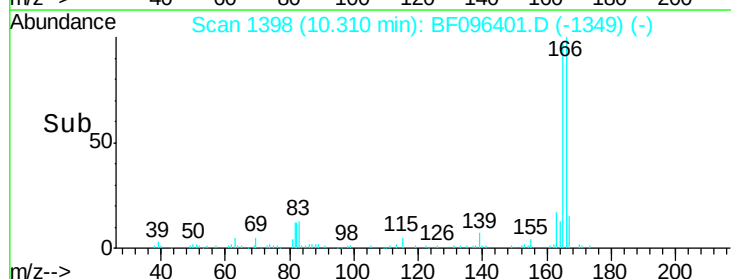
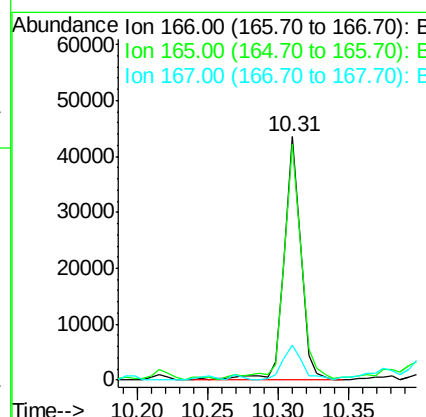
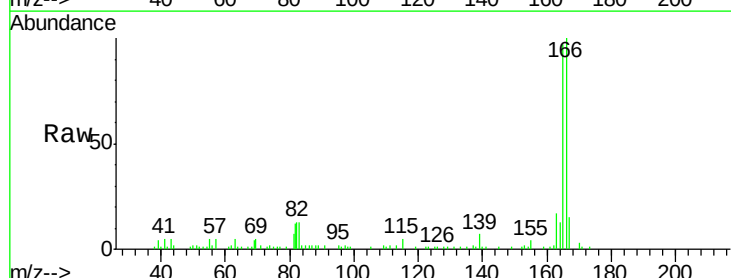
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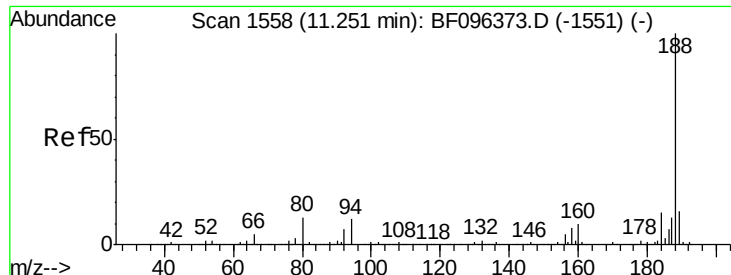
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#57
Fluorene
Concen: 3.045 ng
RT: 10.31 min Scan# 1398
Delta R.T. -0.01 min
Lab File: BF096401.D
Acq: 2 Jul 2017 1:40

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.9	78.8	118.2
167	14.6	10.6	16.0





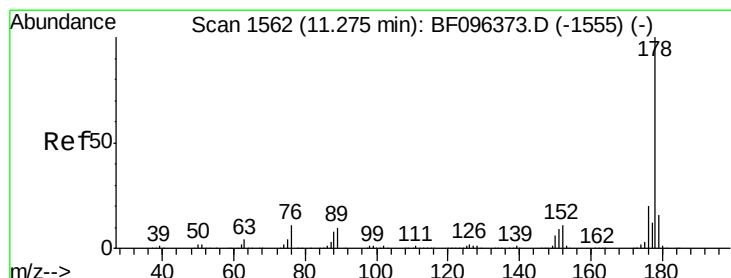
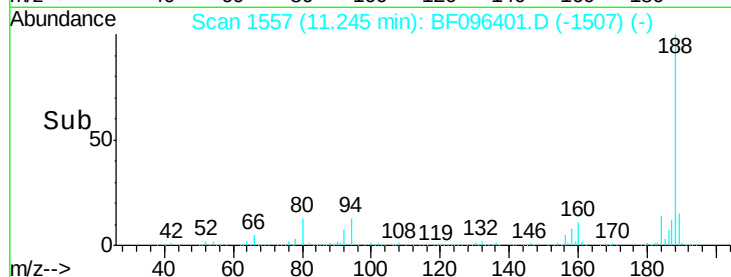
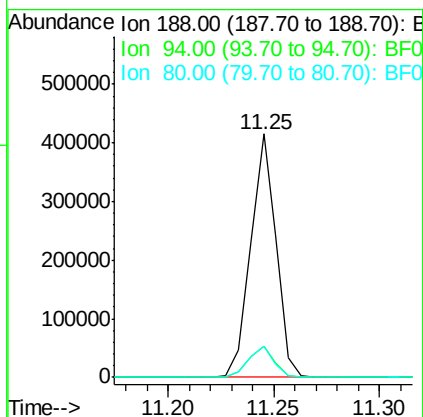
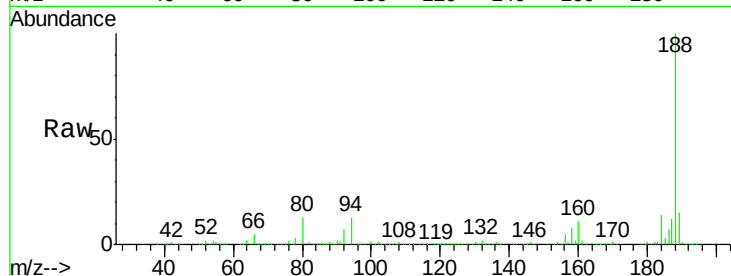
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF096401.D
Acq: 2 Jul 2017 1:40

Instrument :
BNA_F
ClientSampleId :
SU-03-062817

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	346628		
94	12.8	9.4	14.2	
80	12.9	10.2	15.2	

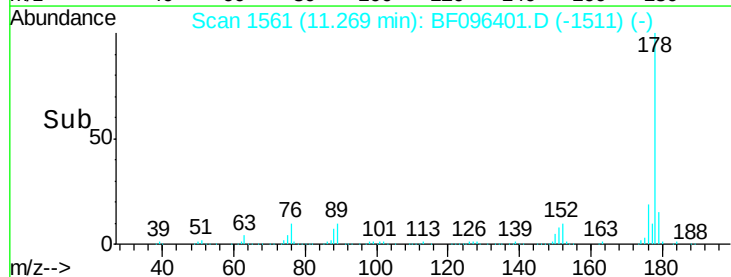
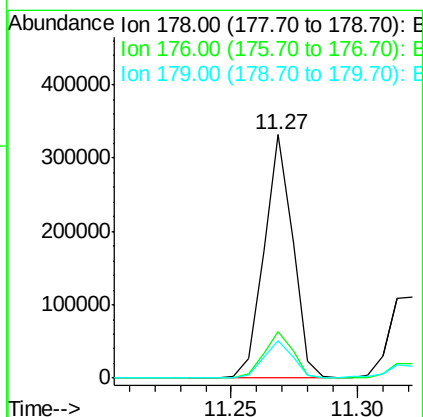
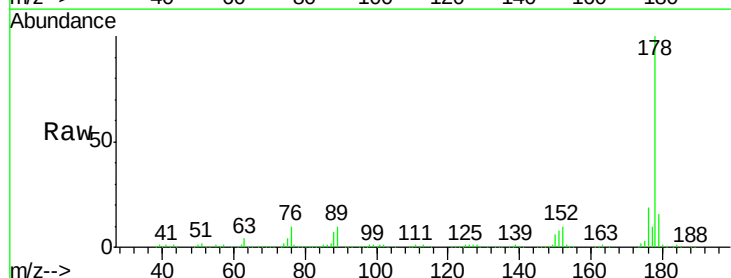
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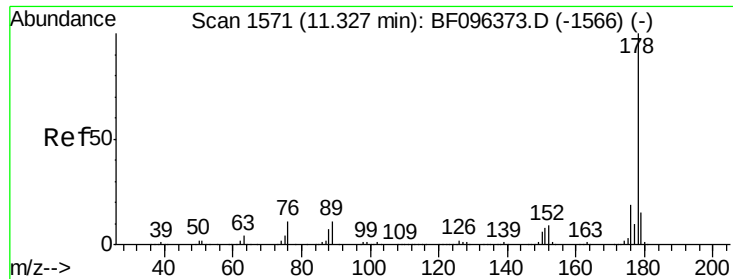
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#70
Phenanthrene
Concen: 14.043 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF096401.D
Acq: 2 Jul 2017 1:40

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	263138		
176	19.2	16.2	24.4	
179	15.6	12.6	19.0	





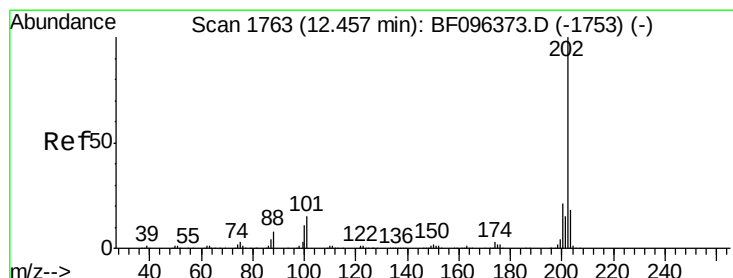
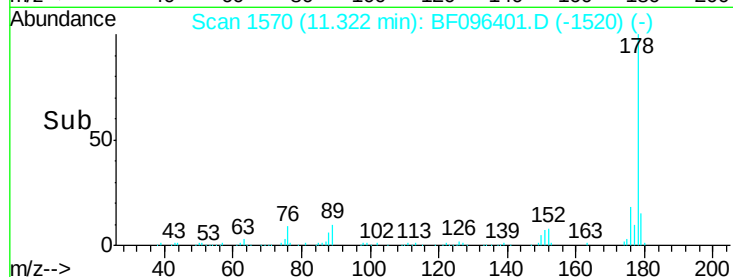
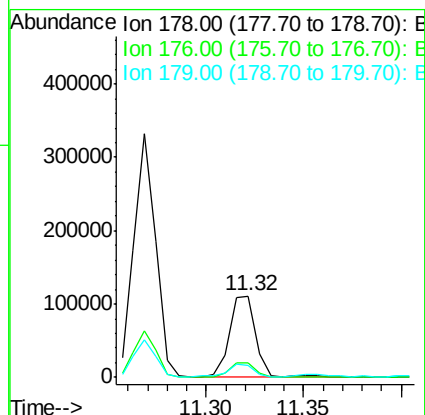
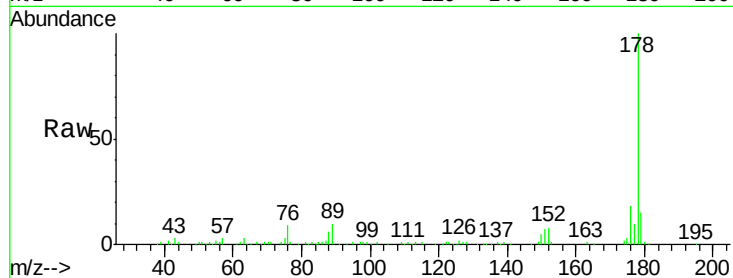
#71
 Anthracene
 Concen: 5.403 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF096401.D
 Acq: 2 Jul 2017 1:40

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-062817

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.8	23.8
179	15.3	12.7	19.1

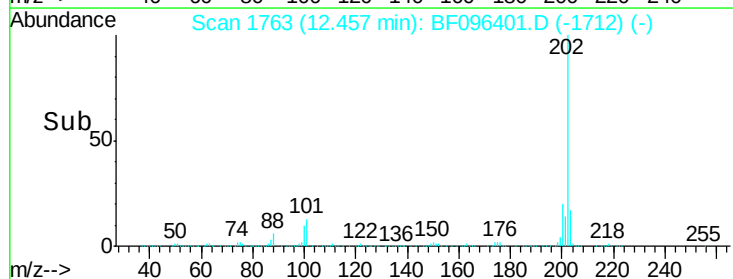
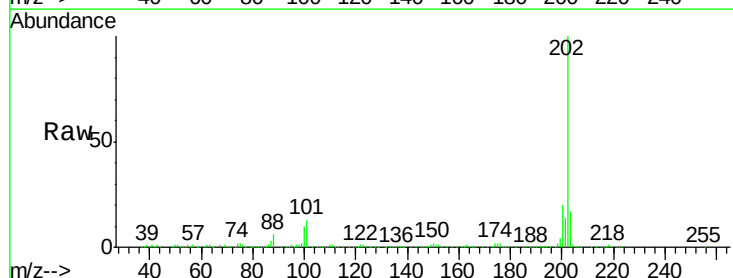
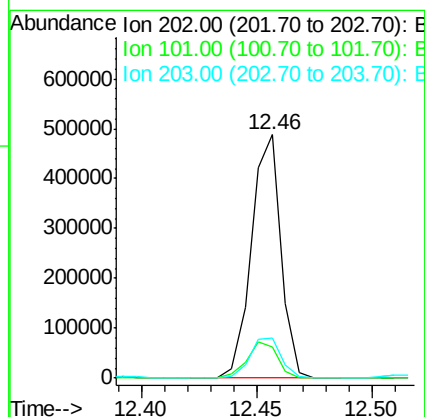
Manual Integrations
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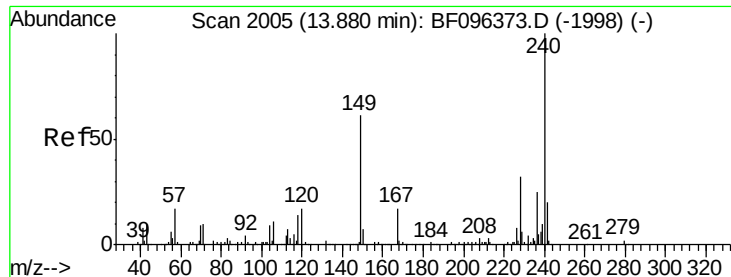
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#74
 Fluoranthene
 Concen: 23.636 ng
 RT: 12.46 min Scan# 1763
 Delta R.T. -0.00 min
 Lab File: BF096401.D
 Acq: 2 Jul 2017 1:40

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	33.2
203	16.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF096401.D

Acq: 2 Jul 2017 1:40

Instrument :

BNA_F

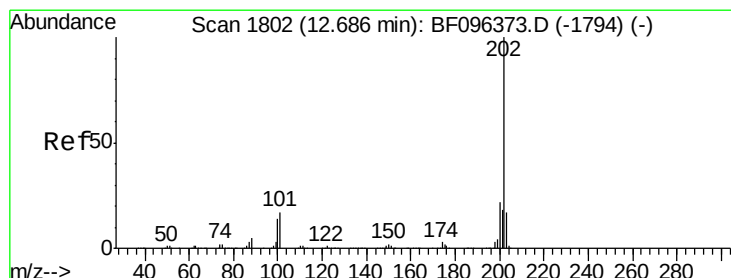
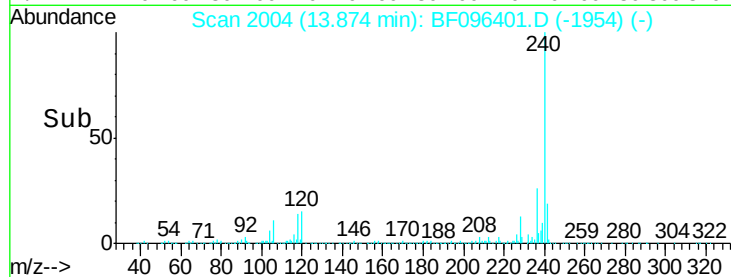
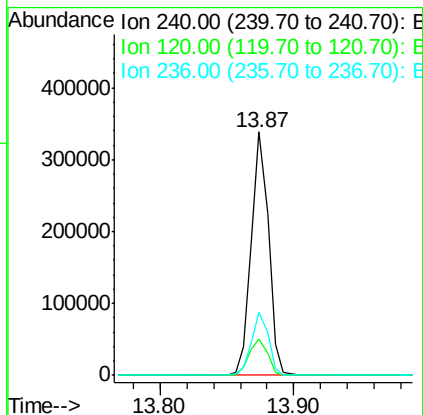
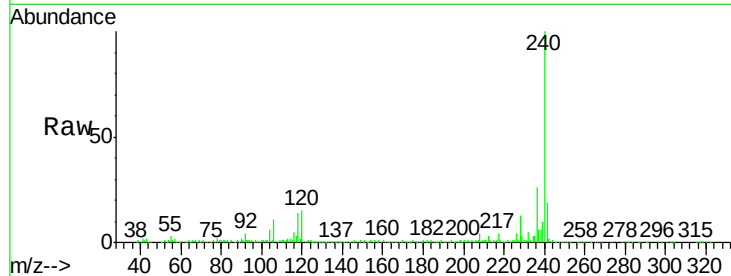
ClientSampleId :

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Tgt Ion	Ratio	Resp	Lower	Upper
240	100	298824		
120	15.1	5.8	8.8#	
236	26.0	20.5	30.7	

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#77

Pyrene

Concen: 16.846 ng

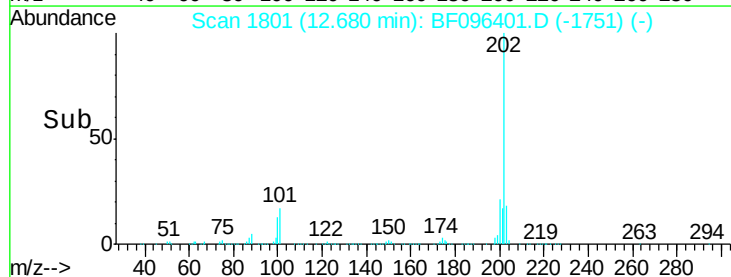
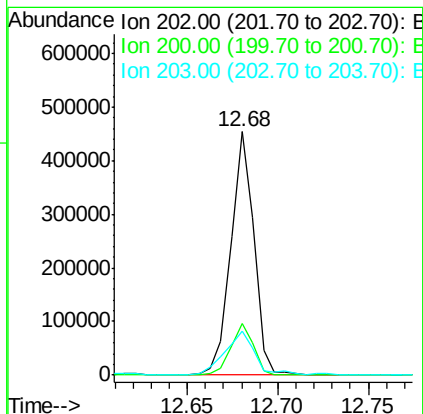
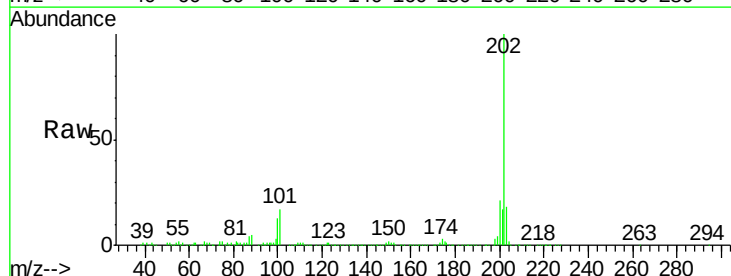
RT: 12.68 min Scan# 1801

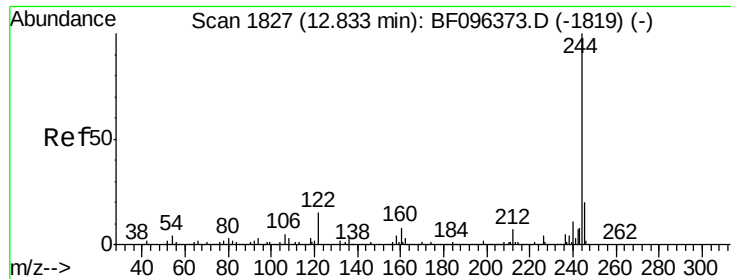
Delta R.T. -0.01 min

Lab File: BF096401.D

Acq: 2 Jul 2017 1:40

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	404059		
200	21.1	17.6	26.4	
203	18.1	14.4	21.6	





#78

Terphenyl-d14

Concen: 12.174 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF096401.D

Acq: 2 Jul 2017 1:40

Instrument :

BNA_F

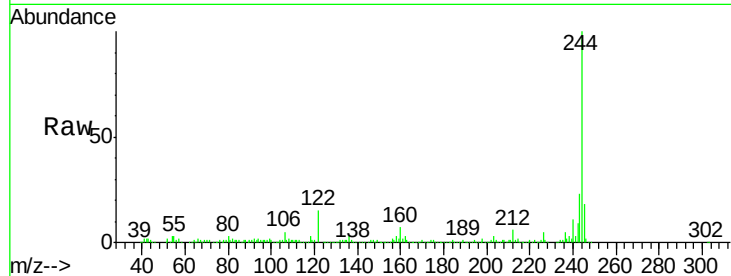
ClientSampleId :

SU-03-062817

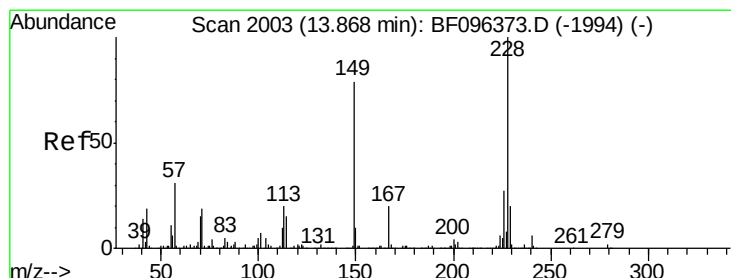
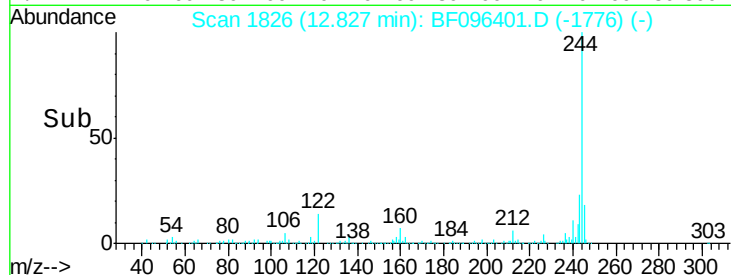
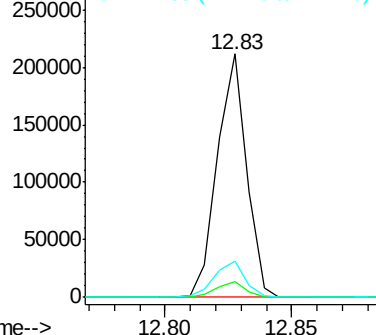
Tgt Ion:	244	Resp:	170252
Ion Ratio		Lower	Upper
244	100		
212	6.3	6.0	9.0
122	14.7	10.3	15.5

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 9.456 ng

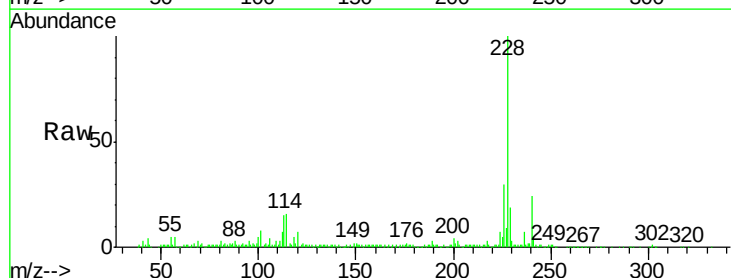
RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

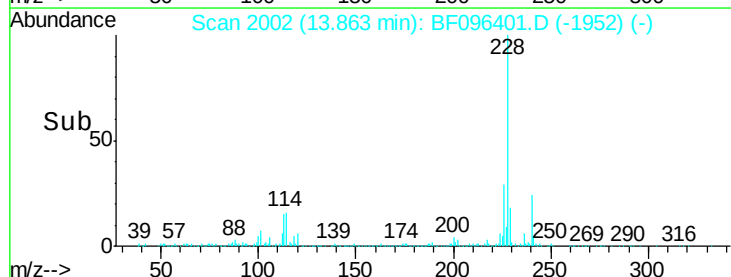
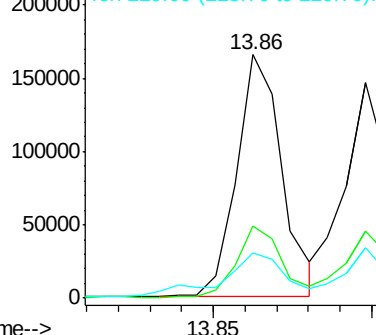
Lab File: BF096401.D

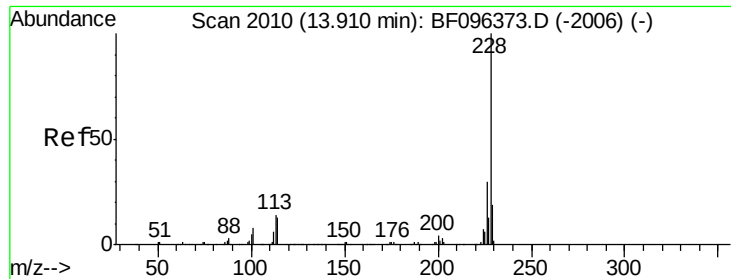
Acq: 2 Jul 2017 1:40

Tgt Ion:	228	Resp:	163636
Ion Ratio		Lower	Upper
228	100		
226	29.6	22.6	33.8
229	18.8	16.3	24.5



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 7.583 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF096401.D

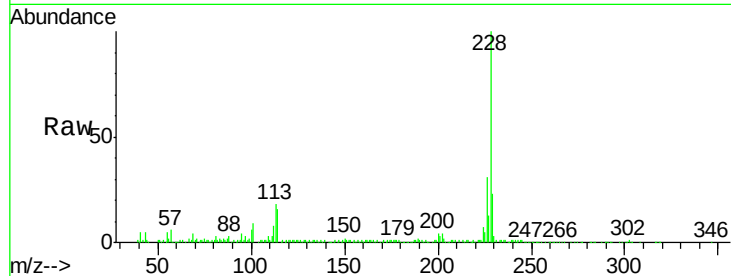
Acq: 2 Jul 2017 1:40

Instrument :

BNA_F

ClientSampleId :

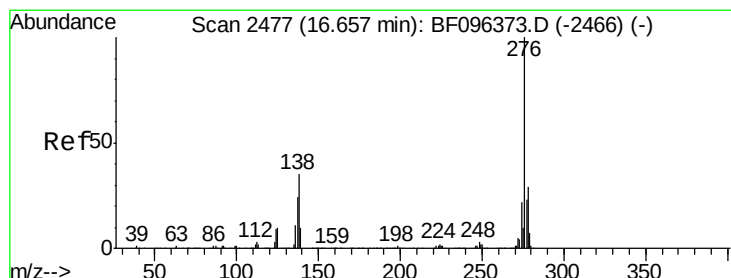
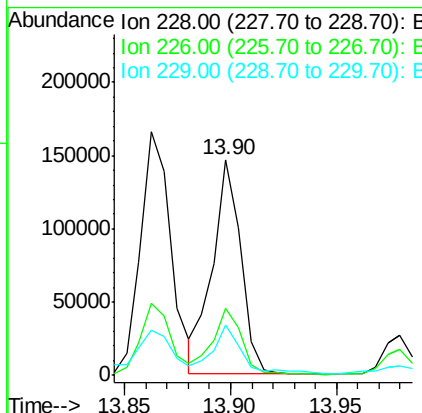
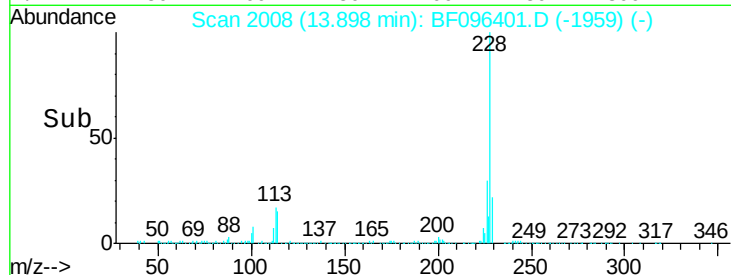
SU-03-062817



Tgt Ion:	228	Resp:	137419
Ion Ratio	Lower	Upper	
228	100		
226	31.2	24.9	37.3
229	23.3	15.8	23.6

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#85

Indeno(1,2,3-cd)pyrene

Concen: 3.432 ng

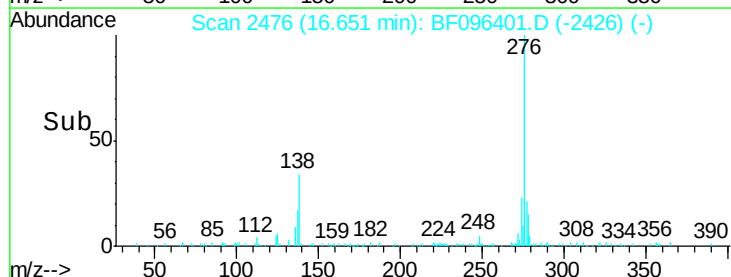
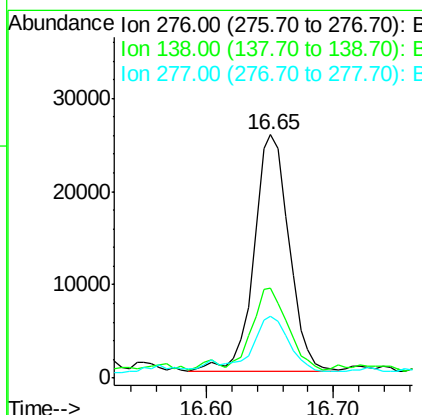
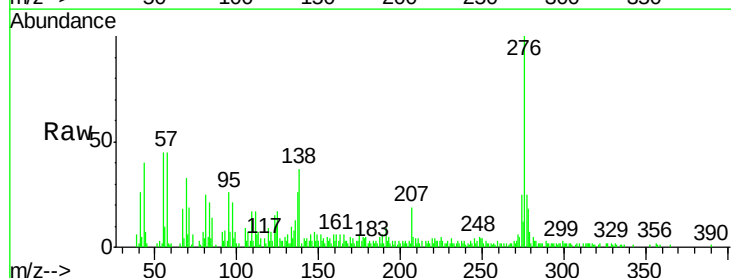
RT: 16.65 min Scan# 2476

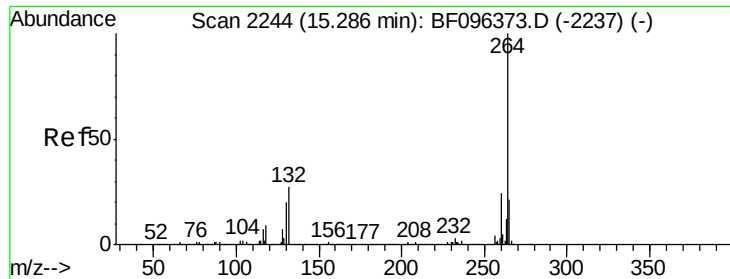
Delta R.T. -0.01 min

Lab File: BF096401.D

Acq: 2 Jul 2017 1:40

Tgt Ion:	276	Resp:	49090
Ion Ratio	Lower	Upper	
276	100		
138	34.2	27.8	41.6
277	23.3	20.2	30.4





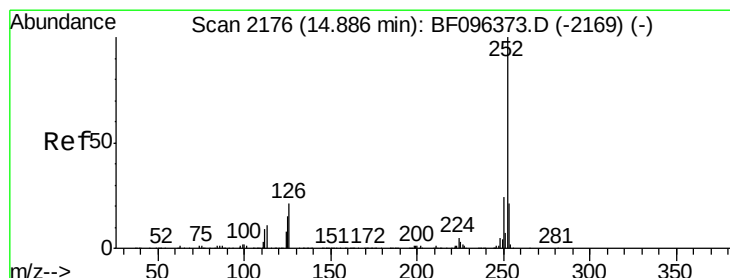
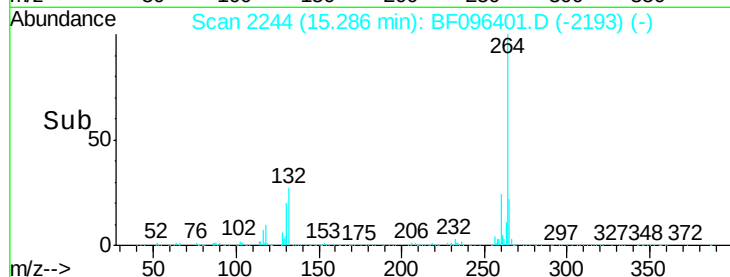
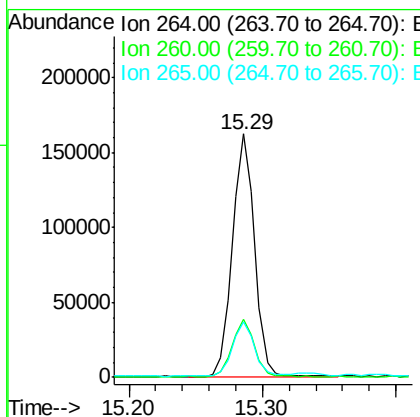
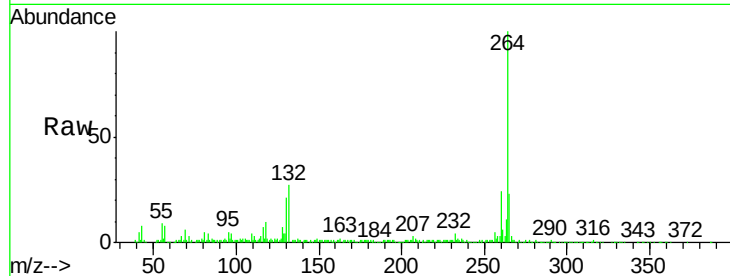
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. -0.00 min
Lab File: BF096401.D
Acq: 2 Jul 2017 1:40

Instrument :
BNA_F
ClientSampleId :
SU-03-062817

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	22.7	17.2	25.8

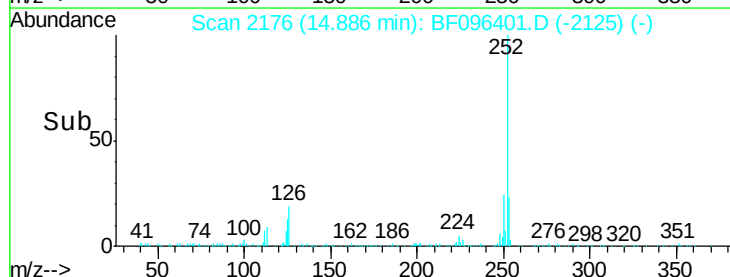
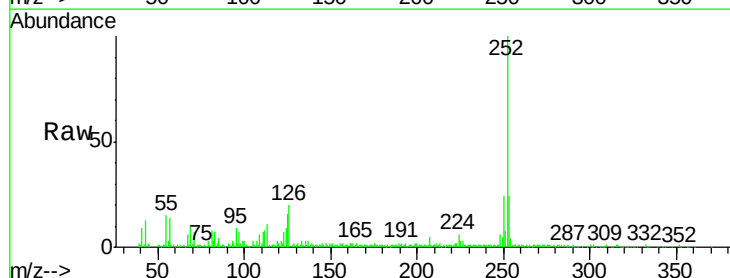
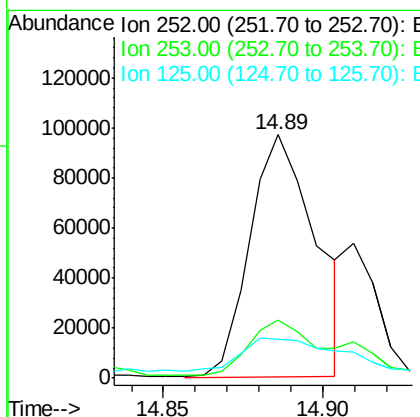
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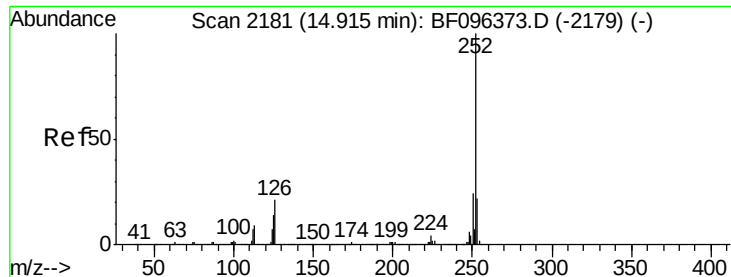
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#87
Benzo(b)fluoranthene
Concen: 11.845 ng m
RT: 14.89 min Scan# 2176
Delta R.T. -0.00 min
Lab File: BF096401.D
Acq: 2 Jul 2017 1:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.1	27.1
125	16.1	9.8	14.8#





#88

Benzo(k)fluoranthene

Concen: 3.485 ng m

RT: 14.91 min Scan# 2180

Delta R.T. -0.01 min

Lab File: BF096401.D

Acq: 2 Jul 2017 1:40

Instrument :

BNA_F

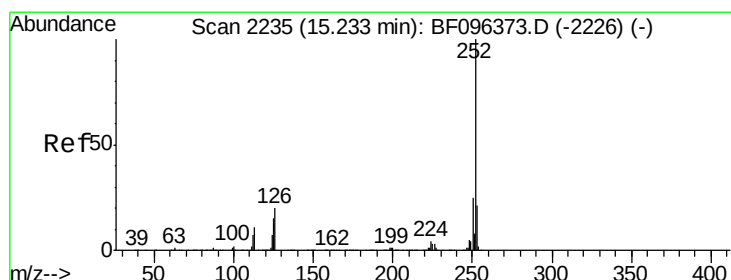
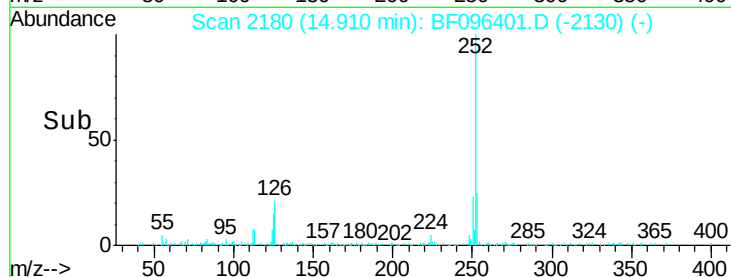
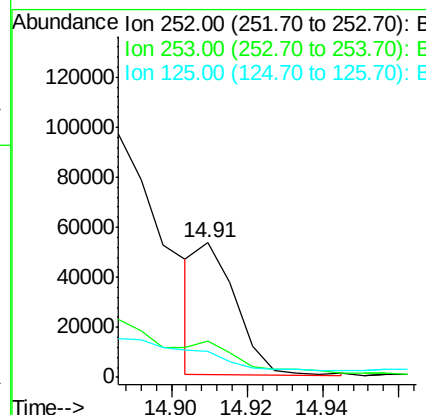
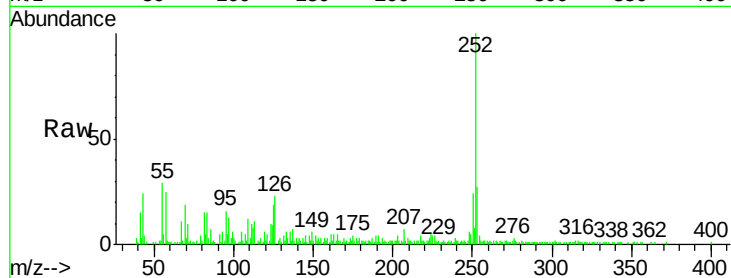
ClientSampleId :

SU-03-062817

Tgt Ion:	252	Resp:	36807
Ion Ratio	Lower	Upper	
252	100		
253	26.5	18.4	27.6
125	19.4	13.1	19.7

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#89

Benzo(a)pyrene

Concen: 9.115 ng

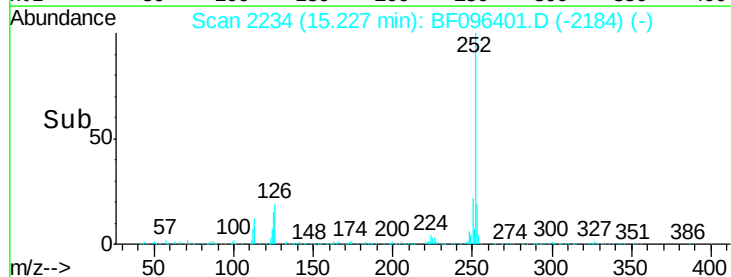
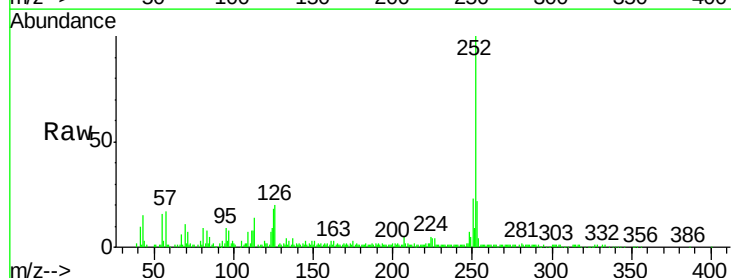
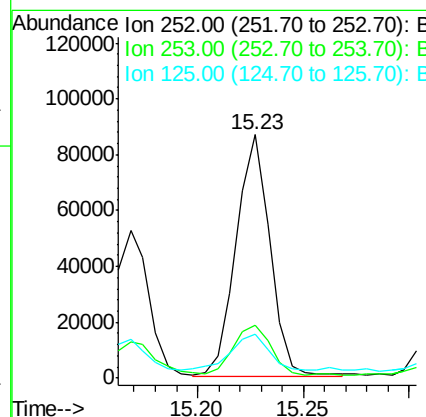
RT: 15.23 min Scan# 2234

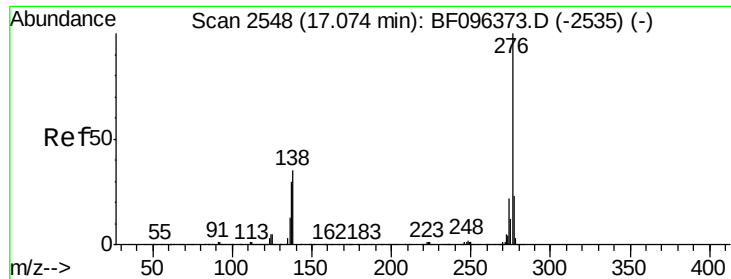
Delta R.T. -0.01 min

Lab File: BF096401.D

Acq: 2 Jul 2017 1:40

Tgt Ion:	252	Resp:	96079
Ion Ratio	Lower	Upper	
252	100		
253	21.6	17.5	26.3
125	18.2	11.0	16.4#





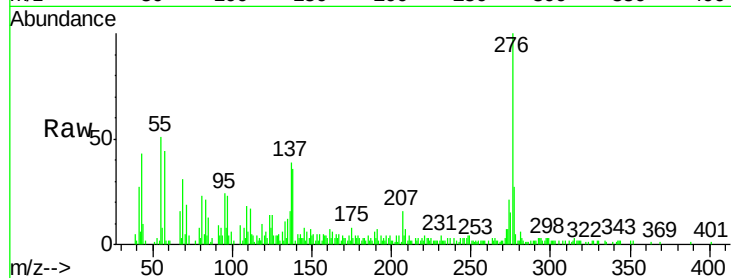
#91
 Benzo(g,h,i)perylene
 Concen: 5.632 ng
 RT: 17.06 min Scan# 2546
 Delta R.T. -0.01 min
 Lab File: BF096401.D
 Acq: 2 Jul 2017 1:40

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-062817

Tgt Ion:	276	Resp:	48394
Ion Ratio		Lower	Upper
276	100		
277	27.0	18.6	28.0
138	35.7	25.4	38.0

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

