

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071117\
 Data File : BF096650.D
 Acq On : 11 Jul 2017 17:58
 Operator : SJ/JU
 Sample : I4113-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-5

Manual Integrations
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mohammad
 7/12/2017 4:49:53 PM

Quant Time: Jul 12 11:26:44 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 07 13:02:33 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	109833	20.00	ng	-0.01
21) Naphthalene-d8	7.96	136	470181	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	194202	20.00	ng	-0.02
63) Phenanthrene-d10	11.19	188	287239	20.00	ng	-0.02
75) Chrysene-d12	13.82	240	182386	20.00	ng	-0.02
86) Perylene-d12	15.22	264	207430	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	659687	88.65	ng	-0.01
7) Phenol-d6	6.33	99	799414	87.38	ng	-0.02
23) Nitrobenzene-d5	7.25	82	469438	60.00	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	134838	88.89	ng	-0.02
44) 2-Fluorobiphenyl	9.05	172	795548	70.04	ng	-0.02
78) Terphenyl-d14	12.77	244	430418	50.43	ng	-0.02
Target Compounds						
10) Phenol	6.33	94	24501	2.351	ng	95
49) Dimethylphthalate	9.43	163	93180	6.427	ng	100
70) Phenanthrene	11.22	178	118231	7.614	ng	99
74) Fluoranthene	12.40	202	121791	8.000	ng	98
77) Pyrene	12.63	202	112542	7.687	ng	98
80) Benzo(a)anthracene	13.81	228	50560	4.787	ng	99
82) Chrysene	13.84	228	49194	4.448	ng	96
85) Indeno(1,2,3-cd)pyrene	16.55	276	34877	3.995	ng	94
87) Benzo(b)fluoranthene	14.83	252	60819m	4.679	ng	
88) Benzo(k)fluoranthene	14.84	252	24223m	2.083	ng	
89) Benzo(a)pyrene	15.16	252	47698	4.110	ng	97
91) Benzo(g,h,i)perylene	16.95	276	36391	3.847	ng	93

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

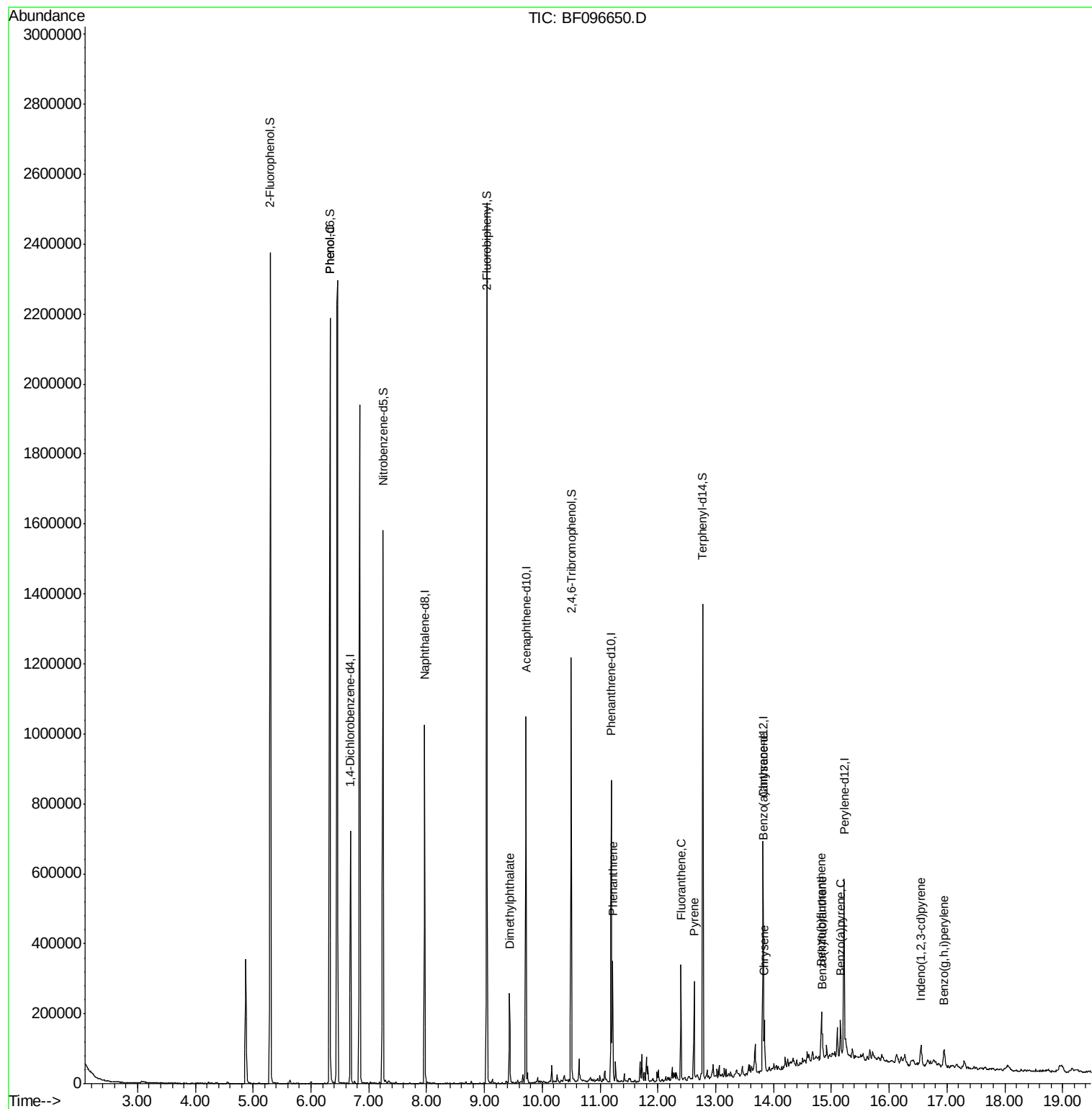
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071117\
Data File : BF096650.D
Acq On : 11 Jul 2017 17:58
Operator : SJ/JU
Sample : I4113-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

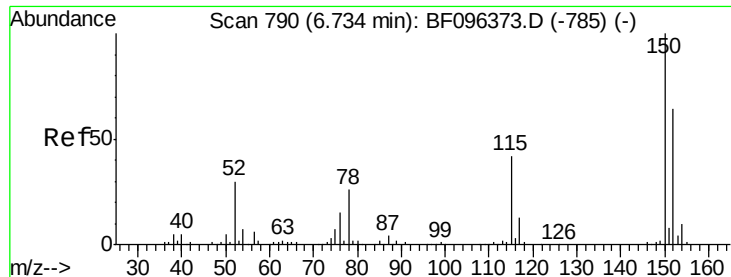
Instrument :
BNA_F
ClientSampled :
SB-5

Manual Integrations
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mohammad
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
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#1

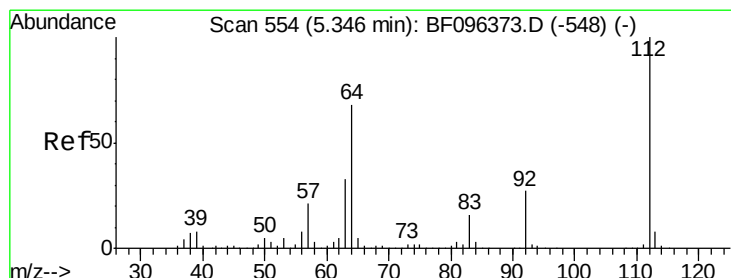
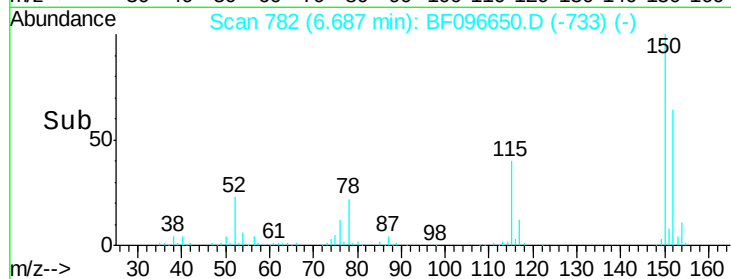
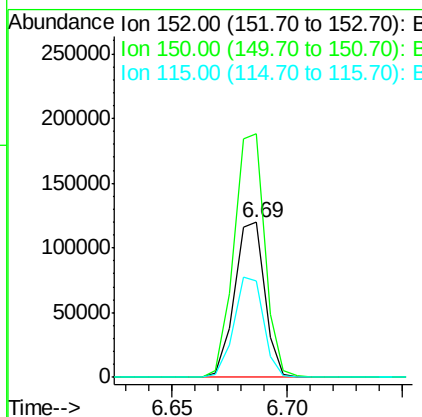
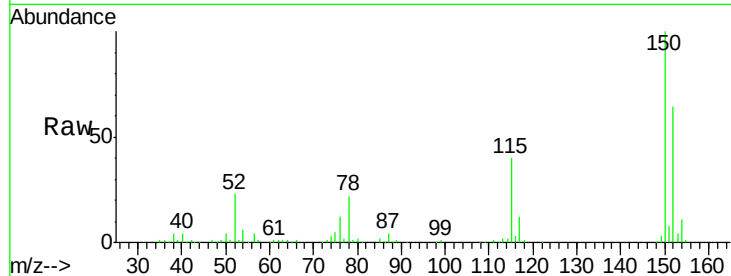
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF096650.D
Acq: 11 Jul 2017 17:58

Instrument :
BNA_F
ClientSampled :
SB-5

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	109833		
150	157.4	126.2	189.2	
115	62.3	52.2	78.2	

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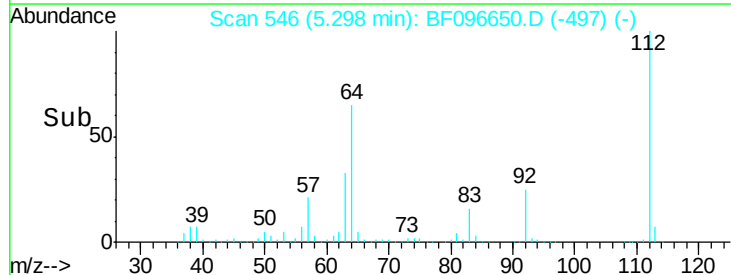
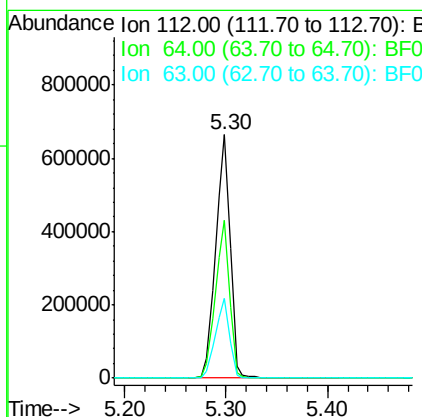
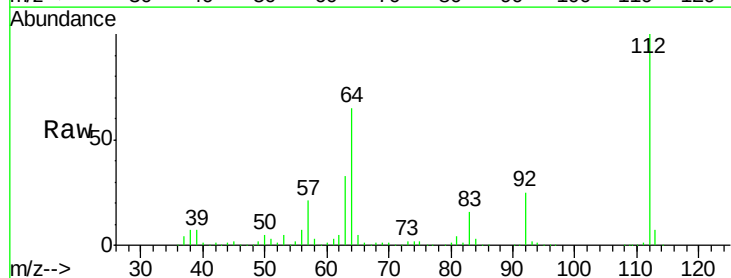
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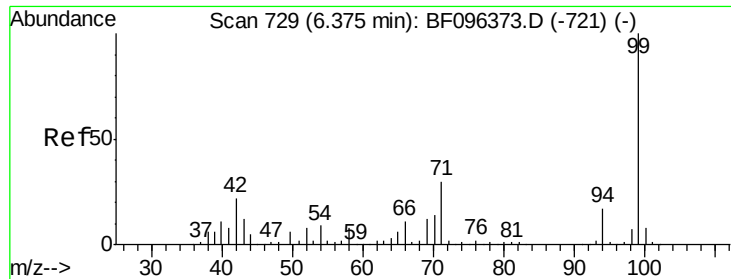


#5

2-Fluorophenol
Concen: 88.651 ng
RT: 5.30 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF096650.D
Acq: 11 Jul 2017 17:58

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	659687		
64	64.9	46.0	69.0	
63	32.7	23.4	35.0	





#7

Phenol-d6

Concen: 87.385 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.02 min

Lab File: BF096650.D

Acq: 11 Jul 2017 17:58

Instrument :

BNA_F

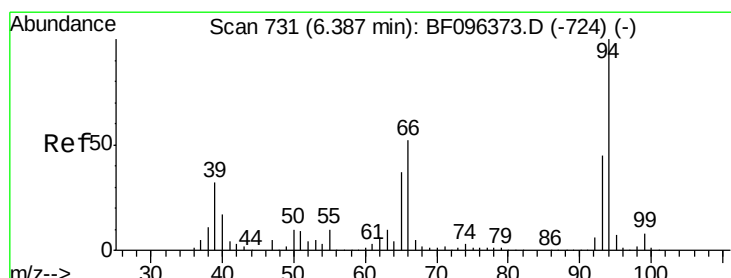
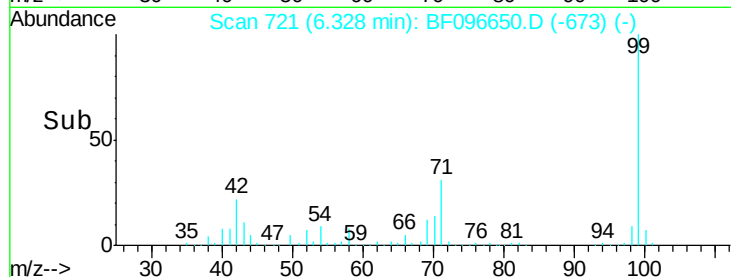
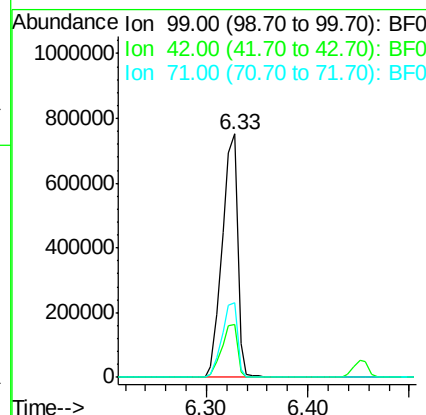
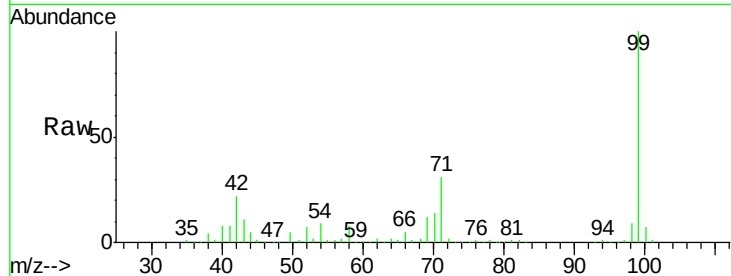
ClientSampled :

SB-5

Tgt Ion:	99	Resp:	799414
Ion Ratio	Lower	Upper	
99	100		
42	21.6	13.5	20.3#
71	30.8	24.5	36.7

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#10

Phenol

Concen: 2.351 ng

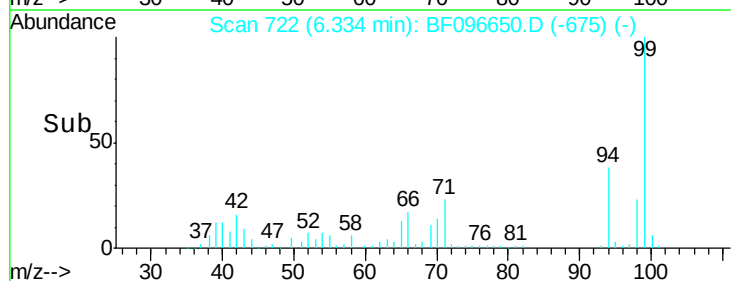
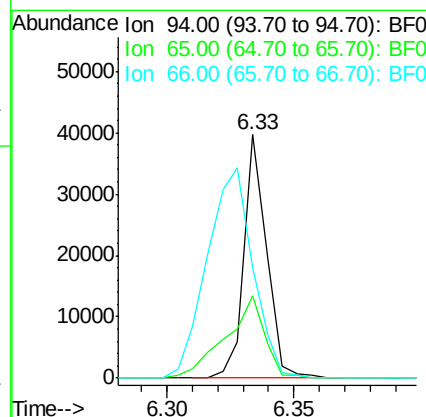
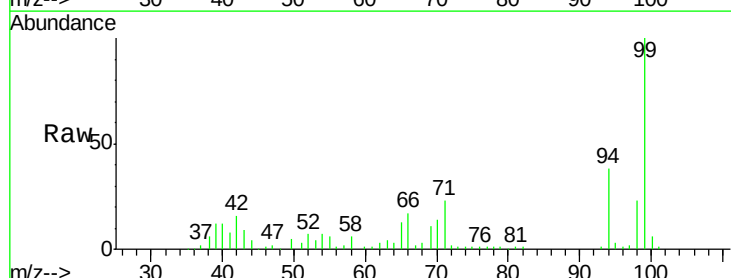
RT: 6.33 min Scan# 722

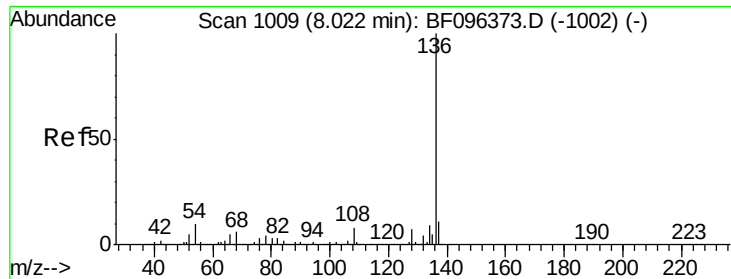
Delta R.T. -0.02 min

Lab File: BF096650.D

Acq: 11 Jul 2017 17:58

Tgt Ion:	94	Resp:	24501
Ion Ratio	Lower	Upper	
94	100		
65	34.0	9.9	49.9
66	45.2	23.1	63.1





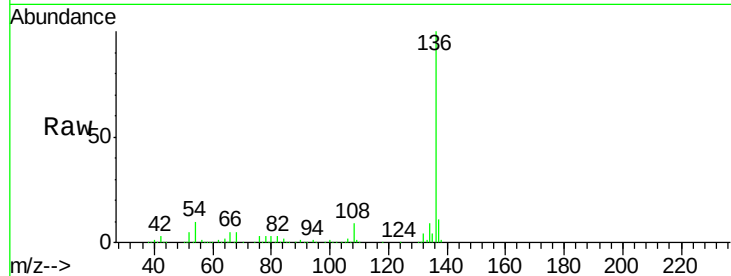
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.96 min Scan# 999
Delta R.T. -0.02 min
Lab File: BF096650.D
Acq: 11 Jul 2017 17:58

Instrument :
BNA_F
ClientSampleId :
SB-5

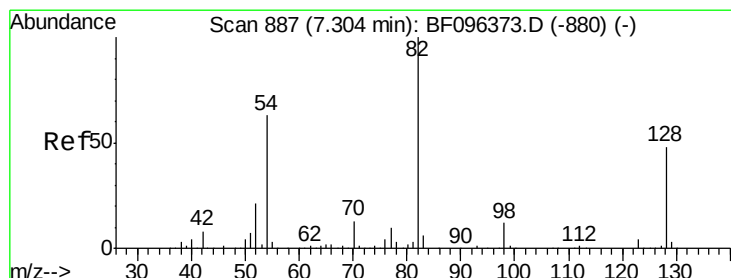
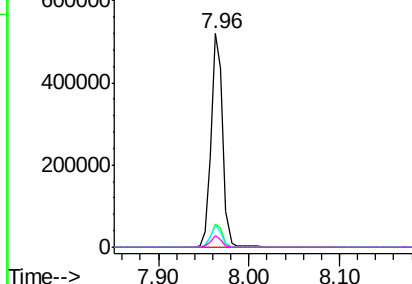
Tgt Ion	Ratio	Resp	Lower	Upper
136	100	470181		
137	10.8	8.5	12.7	
54	10.1	4.9	7.3#	
68	5.3	4.1	6.1	

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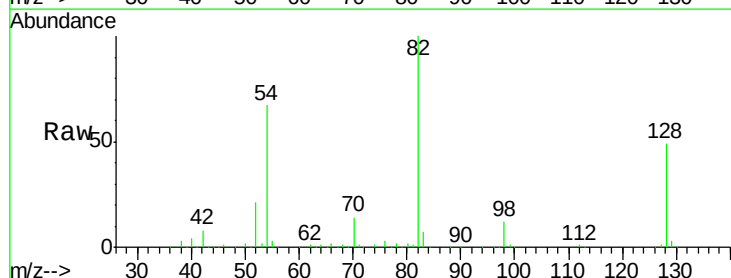


Abundance Ion 136.00 (135.70 to 136.70): E
800000
Ion 137.00 (136.70 to 137.70): E
600000
Ion 54.00 (53.70 to 54.70): BF0
400000
Ion 68.00 (67.70 to 68.70): BF0
200000
0

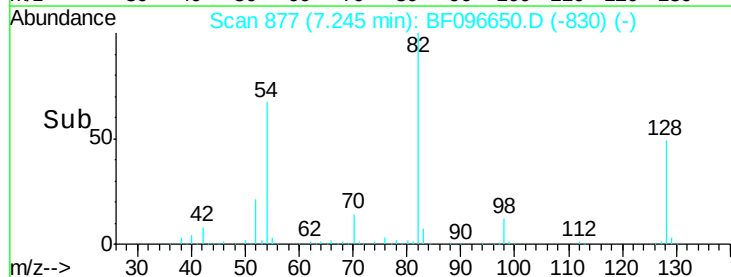
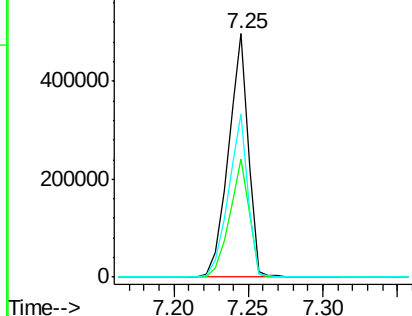


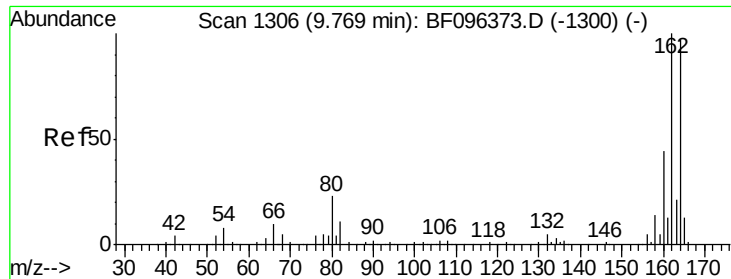
#23
Nitrobenzene-d5
Concen: 59.996 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.02 min
Lab File: BF096650.D
Acq: 11 Jul 2017 17:58

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	469438		
128	48.6	34.0	51.0	
54	66.9	42.2	63.2#	



Abundance Ion 82.00 (81.70 to 82.70): BF0
600000
Ion 128.00 (127.70 to 128.70): E
400000
Ion 54.00 (53.70 to 54.70): BF0
200000
0





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF096650.D

Acq: 11 Jul 2017 17:58

Instrument :

BNA_F

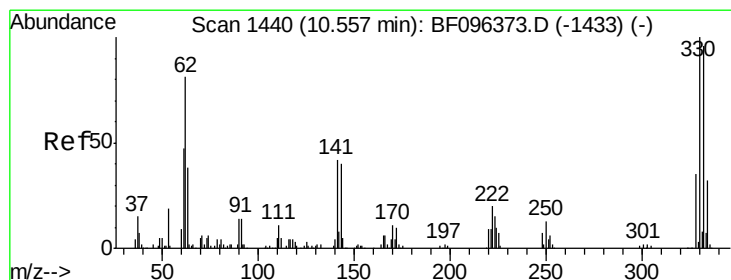
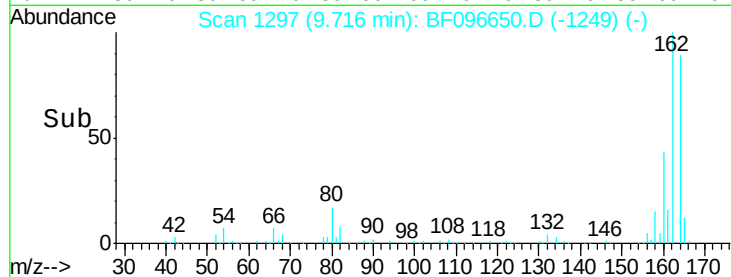
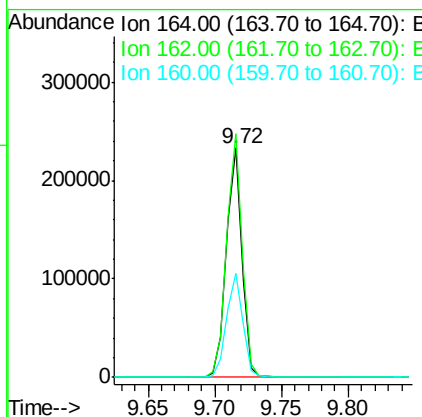
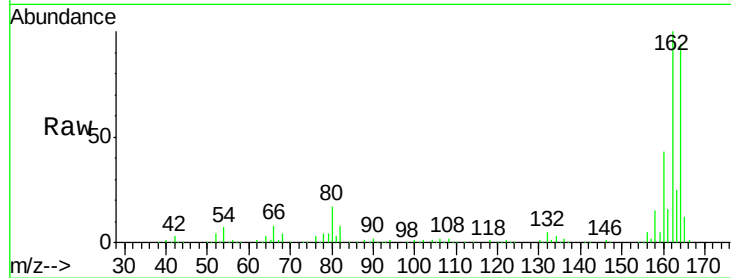
ClientSampleId :

SB-5

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	194202		
162	106.4	82.6	123.8	
160	45.7	36.2	54.2	

Manual Integrations
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#41

2,4,6-Tribromophenol

Concen: 88.887 ng

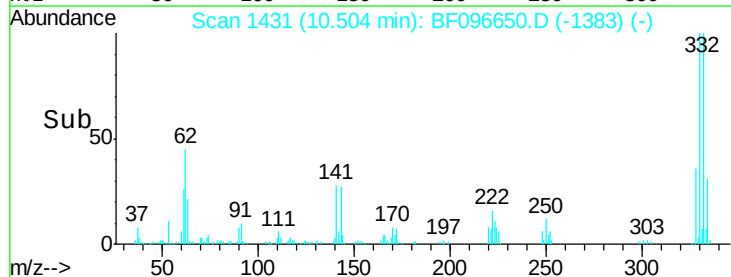
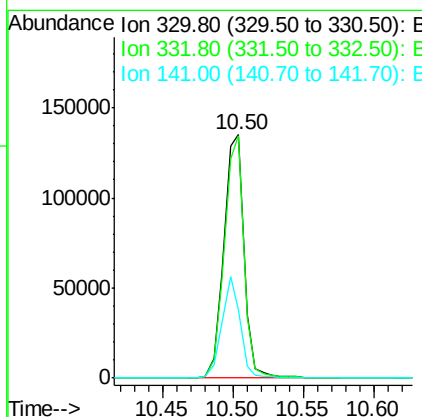
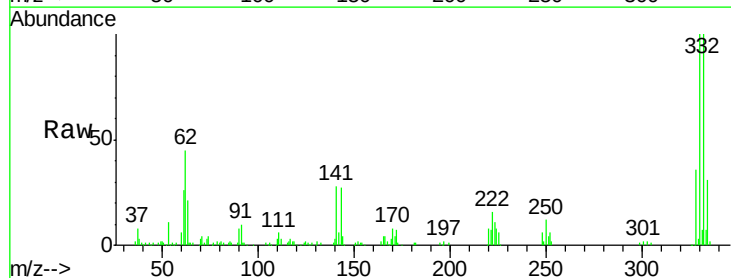
RT: 10.50 min Scan# 1431

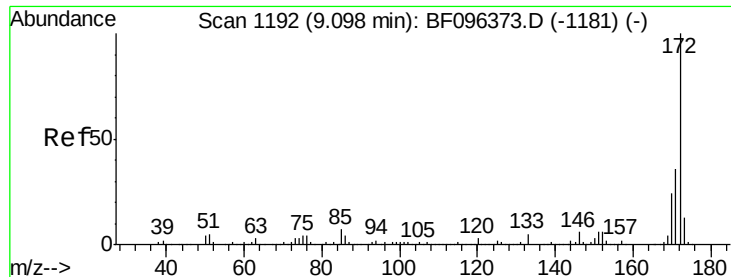
Delta R.T. -0.02 min

Lab File: BF096650.D

Acq: 11 Jul 2017 17:58

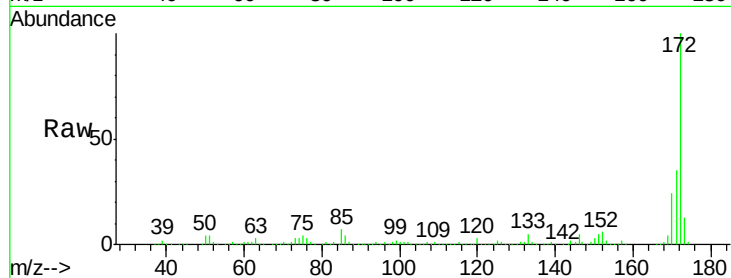
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	134838		
332	96.2	76.6	115.0	
141	37.7	31.4	47.2	





#44
2-Fluorobiphenyl
Concen: 70.041 ng
RT: 9.05 min Scan# 1183
Delta R.T. -0.02 min
Lab File: BF096650.D
Acq: 11 Jul 2017 17:58

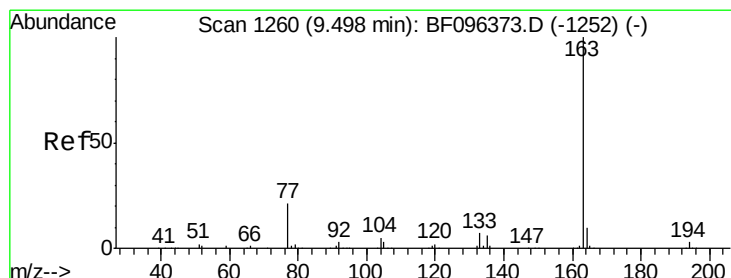
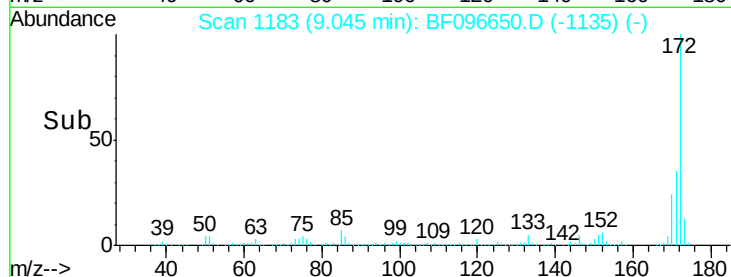
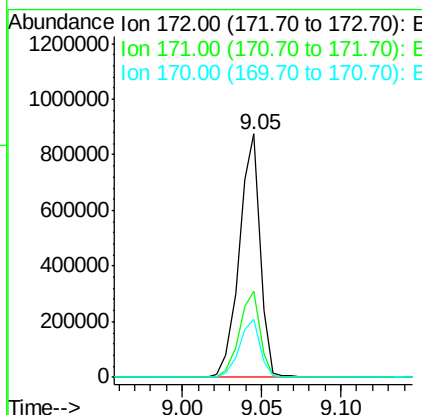
Instrument :
BNA_F
ClientSampleId :
SB-5



Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	35.4	29.6	44.4
170	24.0	19.8	29.8

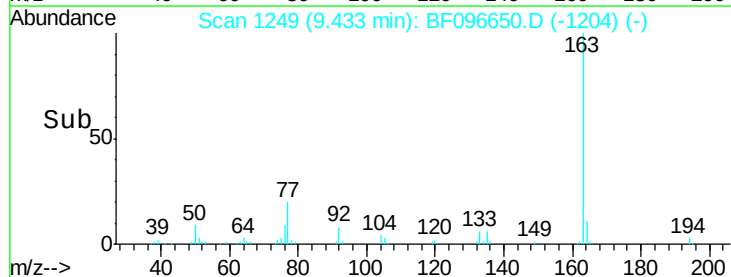
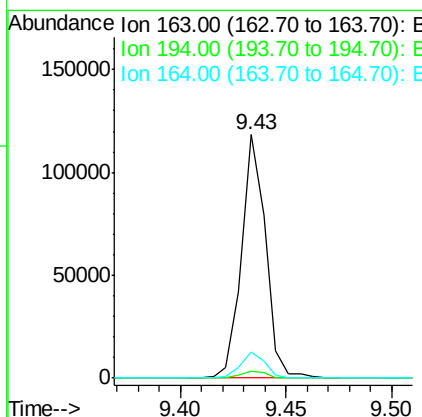
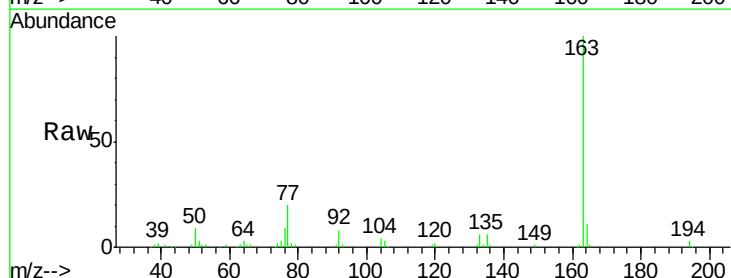
Manual Integrations
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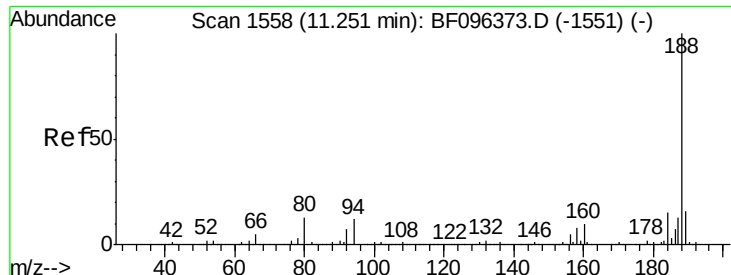
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#49
Dimethylphthalate
Concen: 6.427 ng
RT: 9.43 min Scan# 1249
Delta R.T. -0.04 min
Lab File: BF096650.D
Acq: 11 Jul 2017 17:58

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.0	2.6	4.0
164	10.5	8.4	12.6





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.19 min Scan# 1548

Delta R.T. -0.02 min

Lab File: BF096650.D

Acq: 11 Jul 2017 17:58

Instrument :

BNA_F

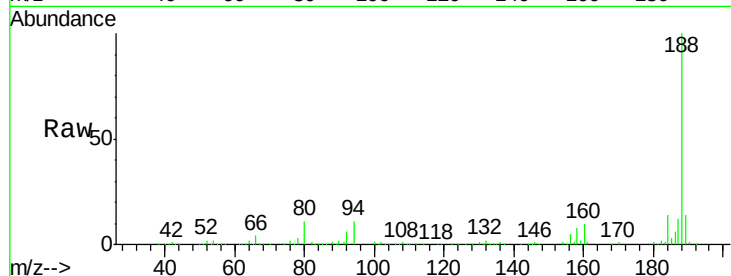
ClientSampleId :

SB-5

Tgt Ion:	188	Resp:	287239
Ion Ratio	Lower	Upper	
188	100		
94	11.0	9.4	14.2
80	11.0	10.2	15.2

Manual Integrations
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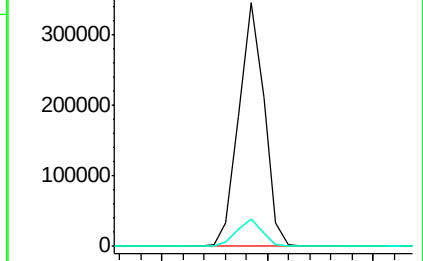
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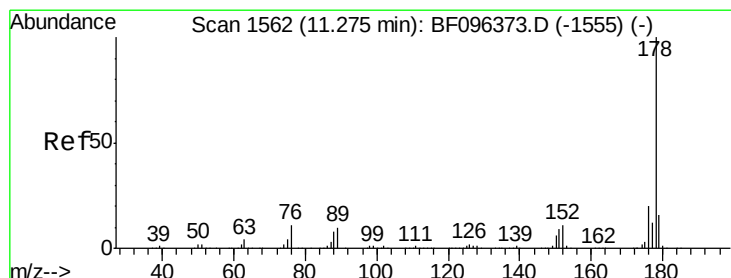
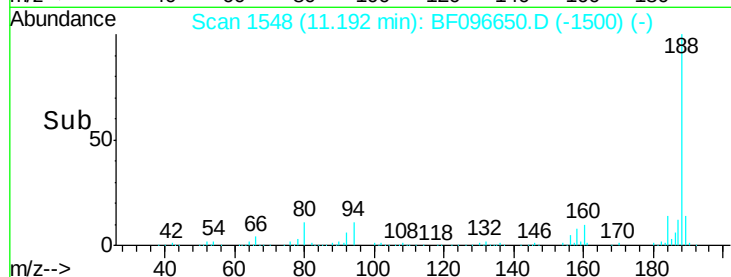
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time-->



#70

Phenanthrene

Concen: 7.614 ng

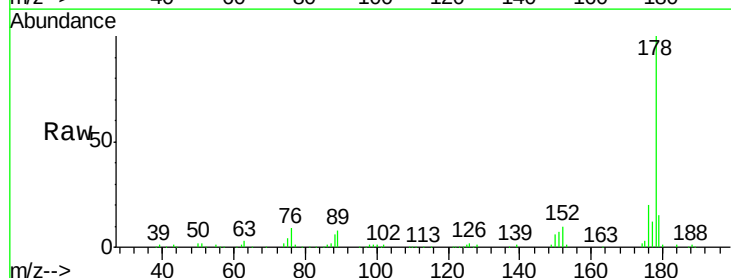
RT: 11.22 min Scan# 1552

Delta R.T. -0.02 min

Lab File: BF096650.D

Acq: 11 Jul 2017 17:58

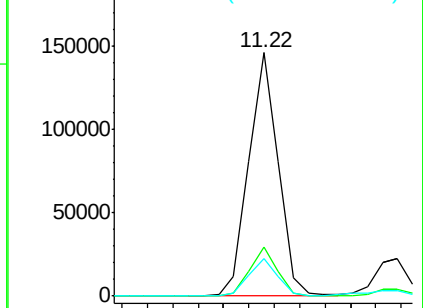
Tgt Ion:	178	Resp:	118231
Ion Ratio	Lower	Upper	
178	100		
176	20.1	16.2	24.4
179	15.3	12.6	19.0



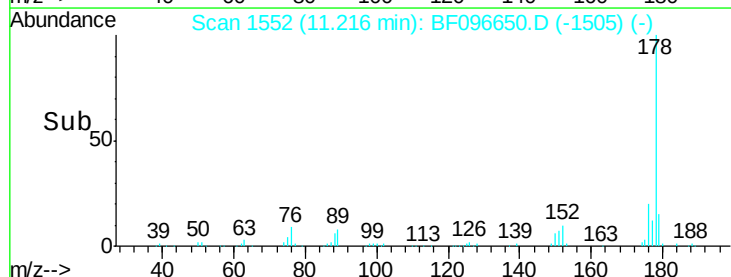
Abundance Ion 178.00 (177.70 to 178.70): E

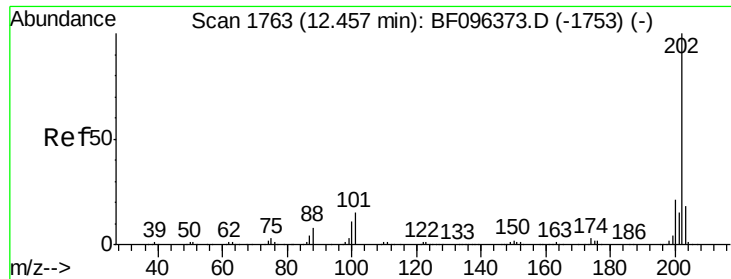
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





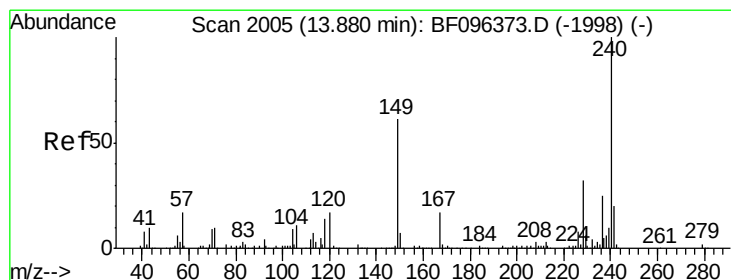
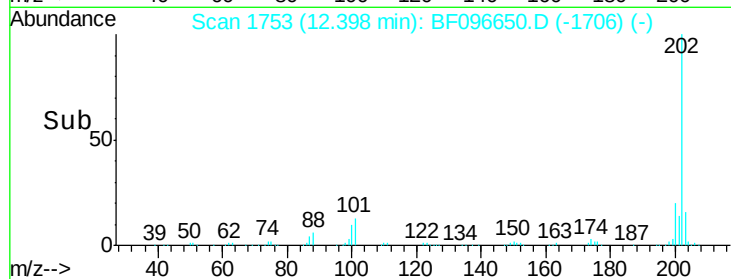
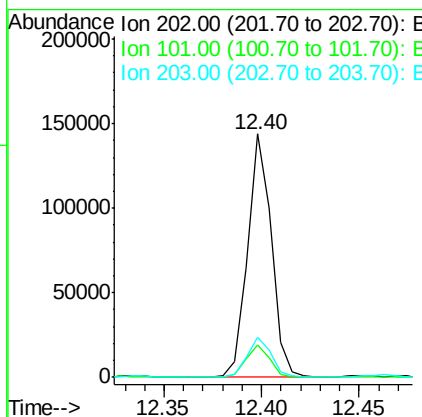
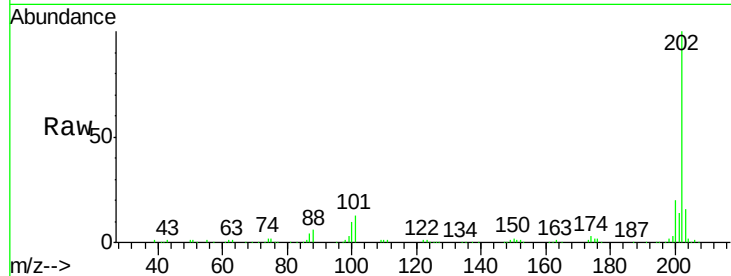
#74
 Fluoranthene
 Concen: 8.000 ng
 RT: 12.40 min Scan# 1753
 Delta R.T. -0.02 min
 Lab File: BF096650.D
 Acq: 11 Jul 2017 17:58

Instrument :
 BNA_F
 ClientSampleId :
 SB-5

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	13.3	0.0	33.2
203	16.4	0.0	38.1

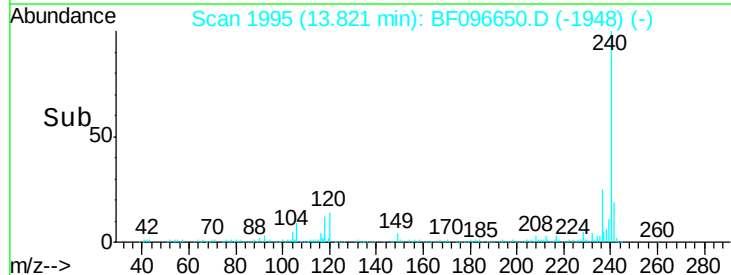
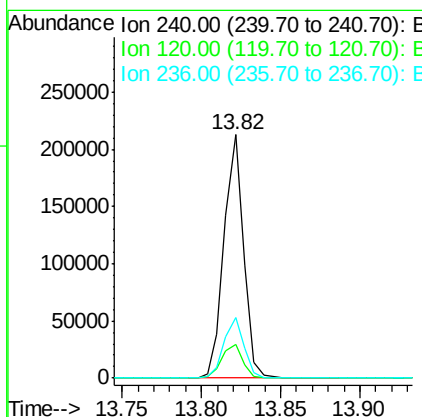
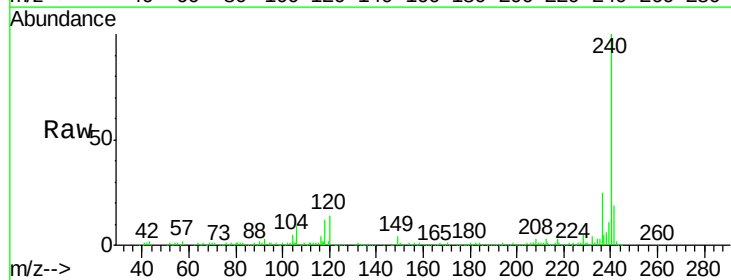
Manual Integrations
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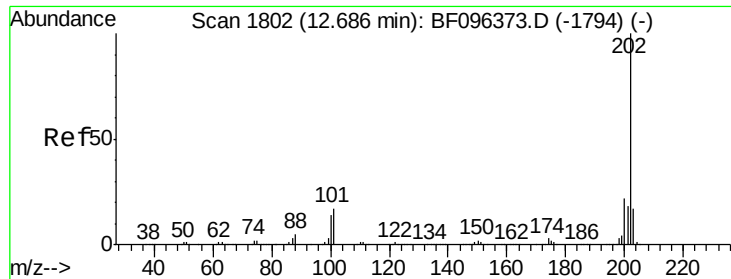
mohammad
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#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.82 min Scan# 1995
 Delta R.T. -0.02 min
 Lab File: BF096650.D
 Acq: 11 Jul 2017 17:58

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	14.1	5.8	8.8#
236	24.8	20.5	30.7





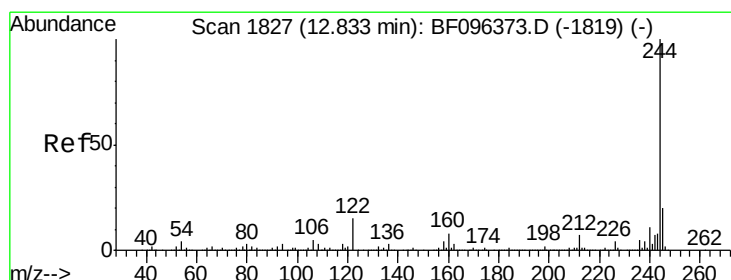
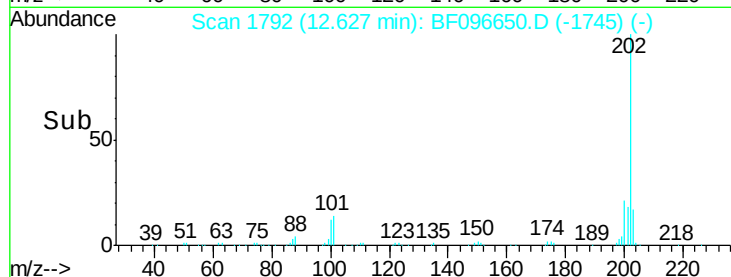
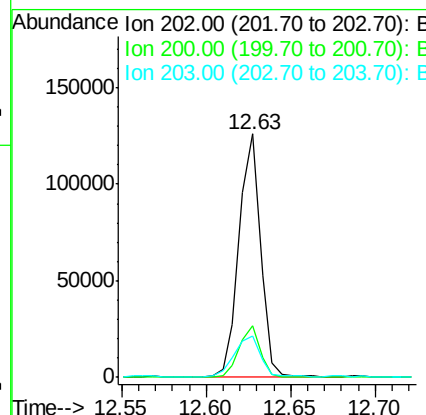
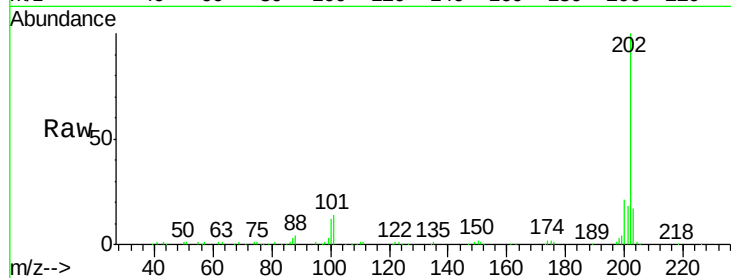
#77
 Pyrene
 Concen: 7.687 ng
 RT: 12.63 min Scan# 1792
 Delta R.T. -0.02 min
 Lab File: BF096650.D
 Acq: 11 Jul 2017 17:58

Instrument :
 BNA_F
 ClientSampleId :
 SB-5

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.3	17.6	26.4
203	16.8	14.4	21.6

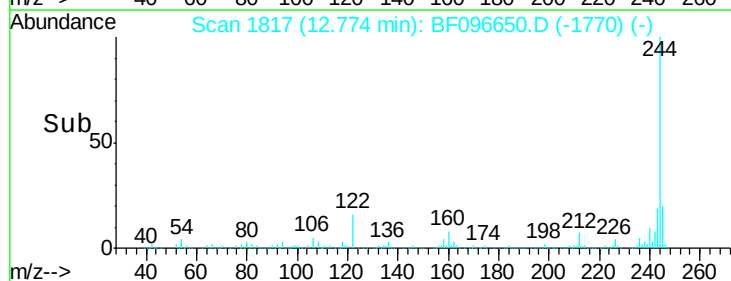
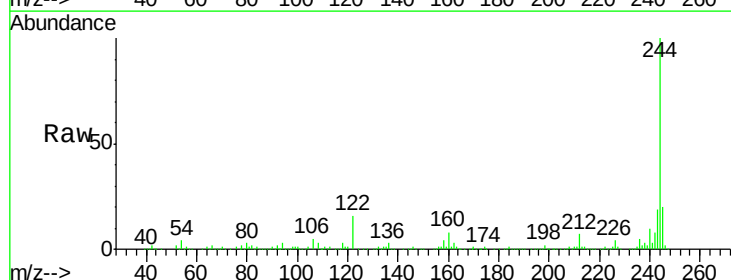
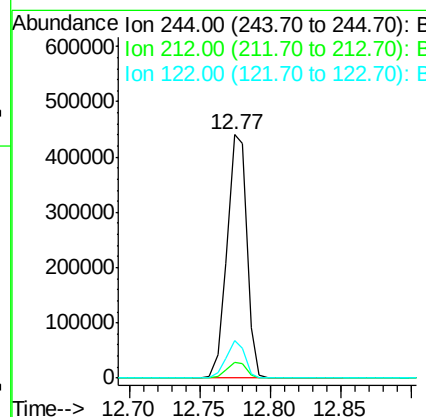
Manual Integrations
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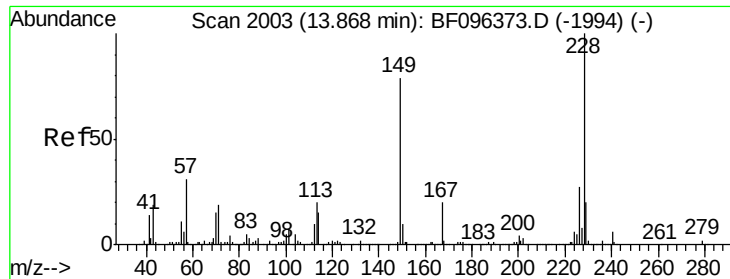
mohammad
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#78
 Terphenyl-d14
 Concen: 50.428 ng
 RT: 12.77 min Scan# 1817
 Delta R.T. -0.02 min
 Lab File: BF096650.D
 Acq: 11 Jul 2017 17:58

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.5	6.0	9.0
122	15.6	10.3	15.5





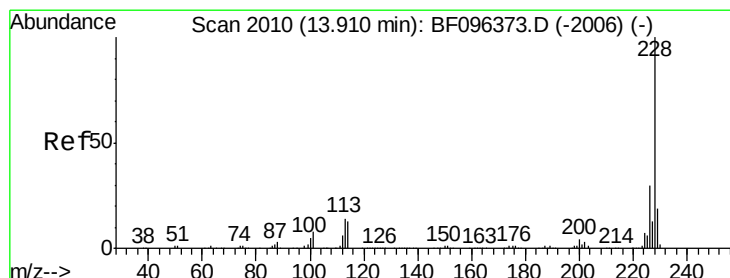
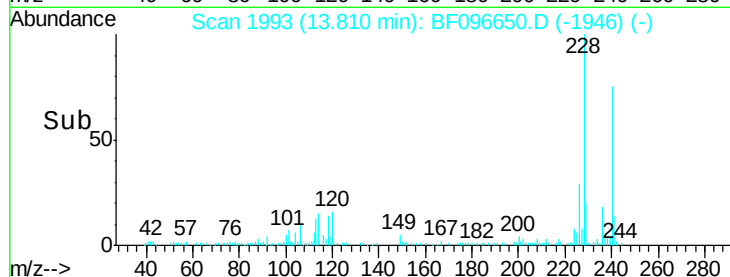
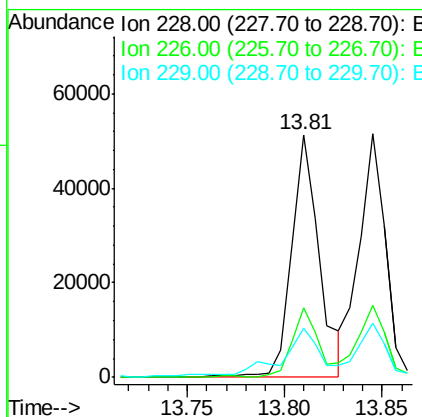
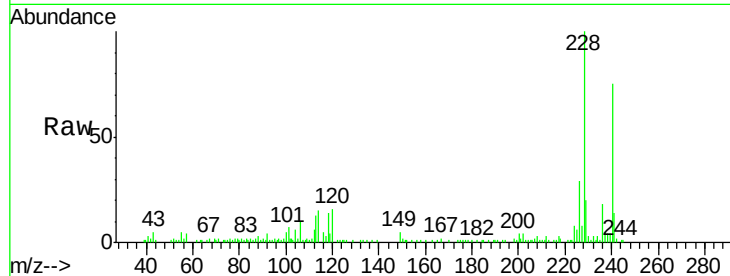
#80
Benzo(a)anthracene
Concen: 4.787 ng
RT: 13.81 min Scan# 1993
Delta R.T. -0.02 min
Lab File: BF096650.D
Acq: 11 Jul 2017 17:58

Instrument :
BNA_F
ClientSampleId :
SB-5

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	20.3	16.3	24.5

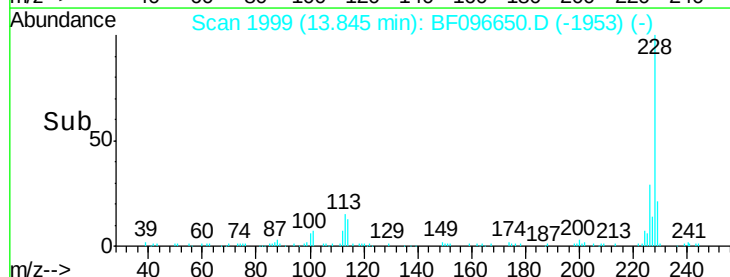
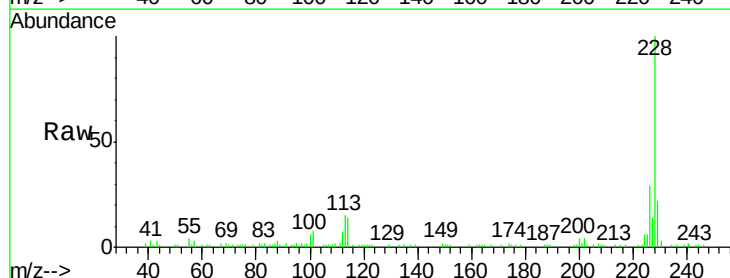
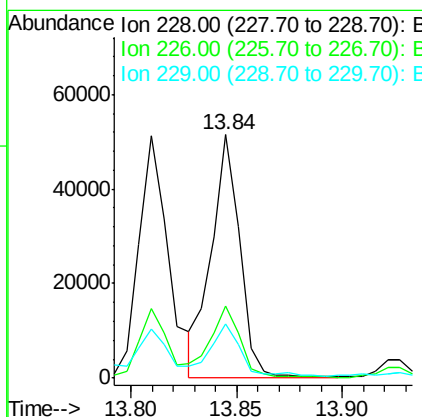
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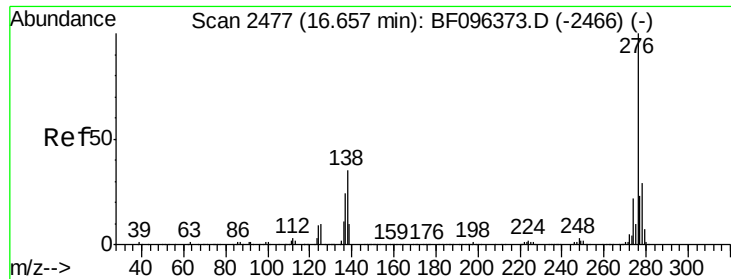
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#82
Chrysene
Concen: 4.448 ng
RT: 13.84 min Scan# 1999
Delta R.T. -0.03 min
Lab File: BF096650.D
Acq: 11 Jul 2017 17:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.9	37.3
229	22.1	15.8	23.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.995 ng

RT: 16.55 min Scan# 2459

Delta R.T. -0.05 min

Lab File: BF096650.D

Acq: 11 Jul 2017 17:58

Instrument :

BNA_F

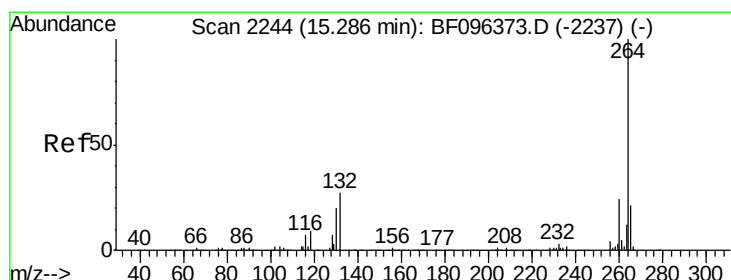
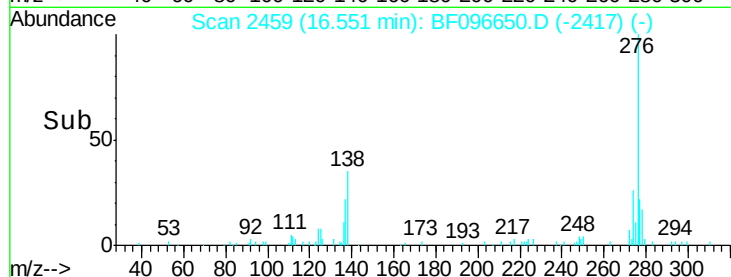
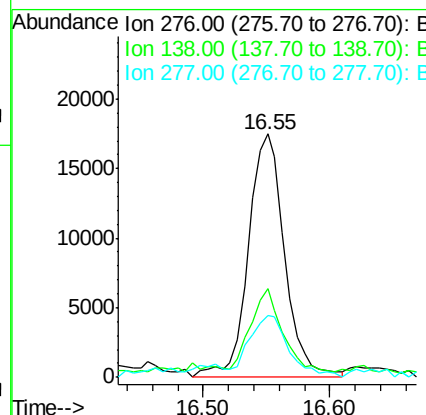
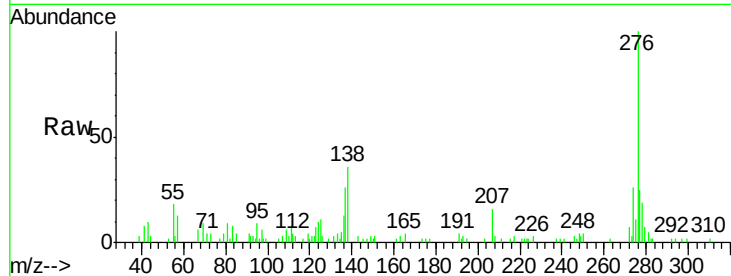
ClientSampleId :

SB-5

Tgt Ion:	276	Resp:	34877
Ion Ratio	Lower	Upper	
276	100		
138	30.2	27.8	41.6
277	27.7	20.2	30.4

Manual Integrations
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#86

Perylene-d12

Concen: 20.000 ng

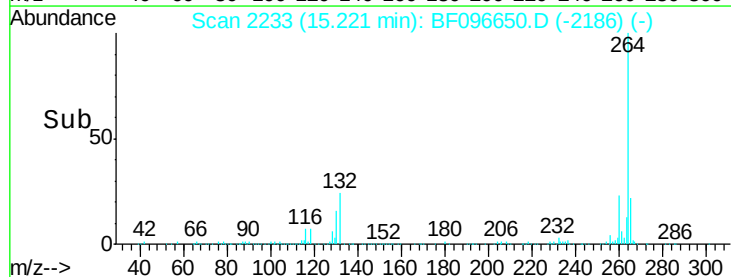
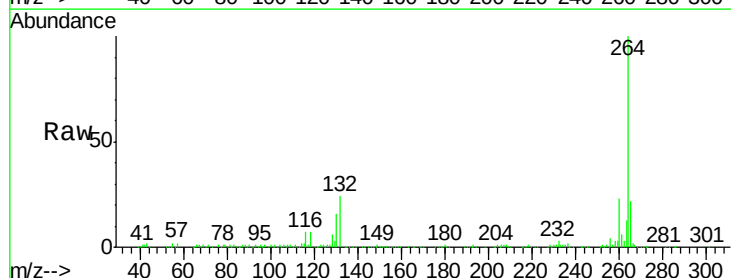
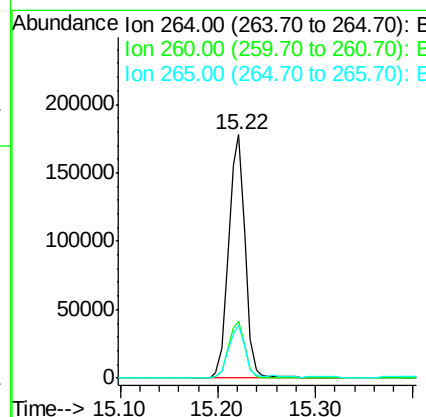
RT: 15.22 min Scan# 2233

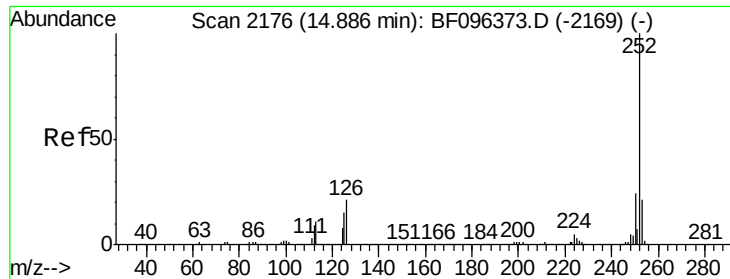
Delta R.T. -0.02 min

Lab File: BF096650.D

Acq: 11 Jul 2017 17:58

Tgt Ion:	264	Resp:	207430
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.5	29.3
265	21.7	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 4.679 ng m

RT: 14.83 min Scan# 2166

Delta R.T. -0.02 min

Lab File: BF096650.D

Acq: 11 Jul 2017 17:58

Instrument :

BNA_F

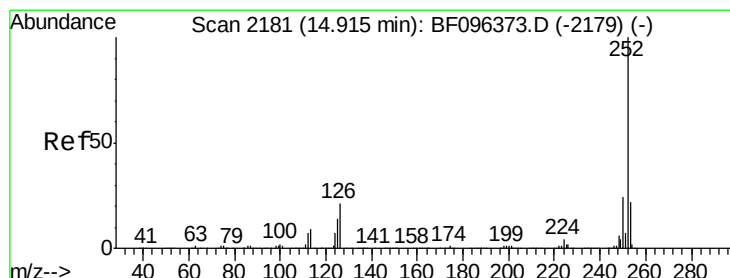
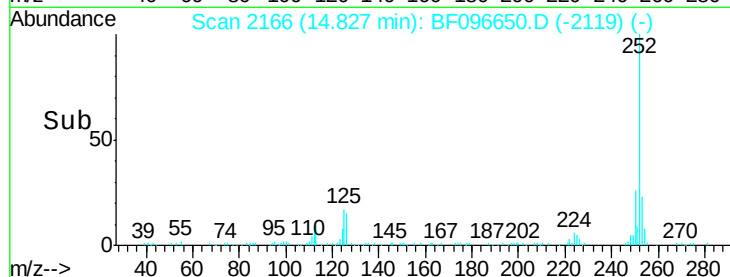
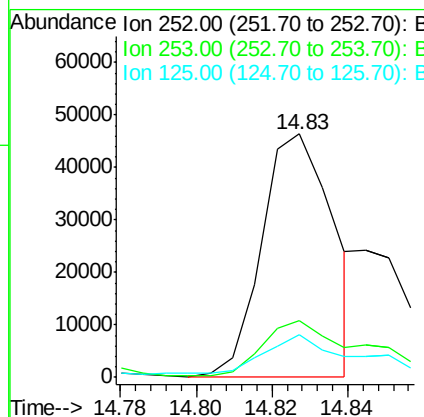
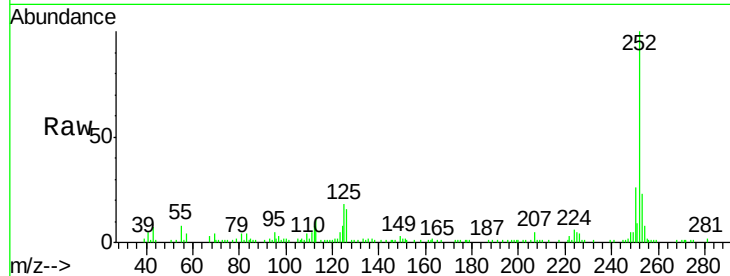
ClientSampleId :

SB-5

Tgt Ion:	252	Resp:	60819
Ion Ratio	Lower	Upper	
252	100		
253	23.4	18.1	27.1
125	17.5	9.8	14.8#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 2.083 ng m

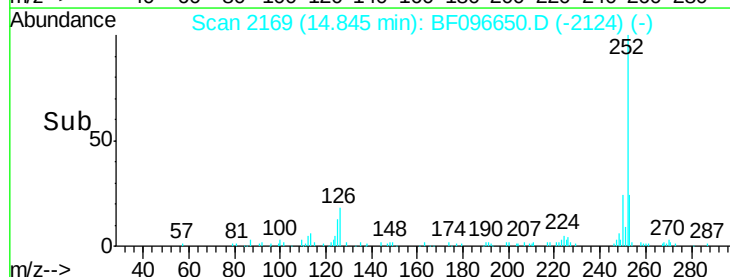
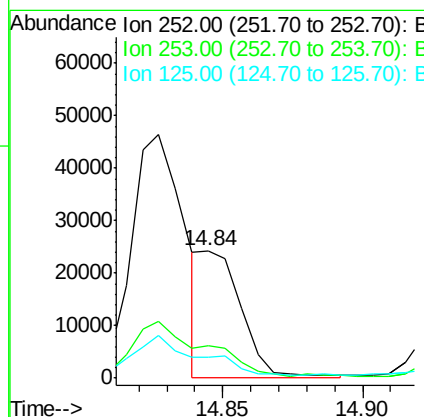
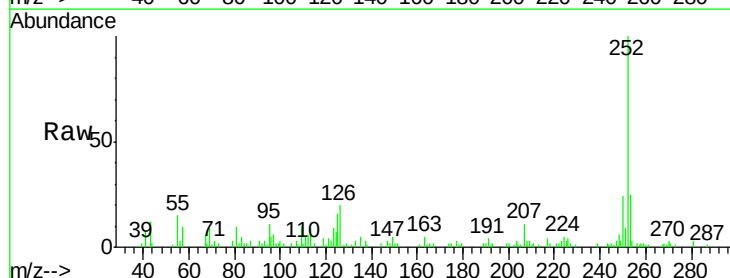
RT: 14.84 min Scan# 2169

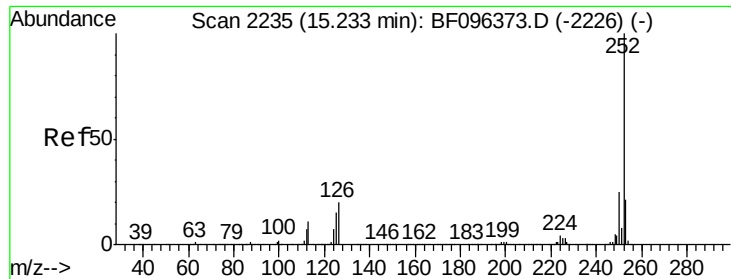
Delta R.T. -0.04 min

Lab File: BF096650.D

Acq: 11 Jul 2017 17:58

Tgt Ion:	252	Resp:	24223
Ion Ratio	Lower	Upper	
252	100		
253	25.5	18.4	27.6
125	16.3	13.1	19.7





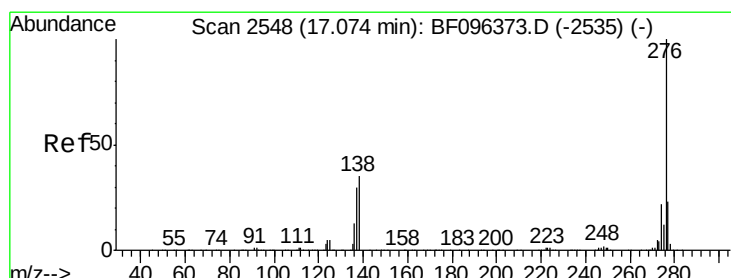
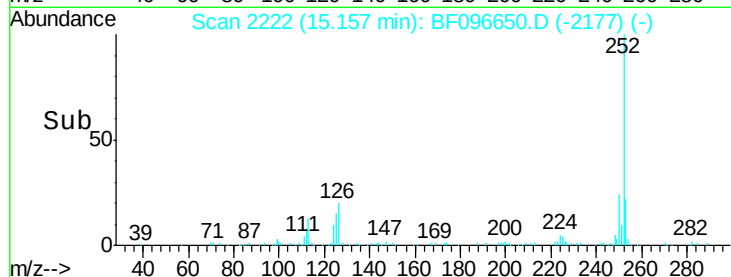
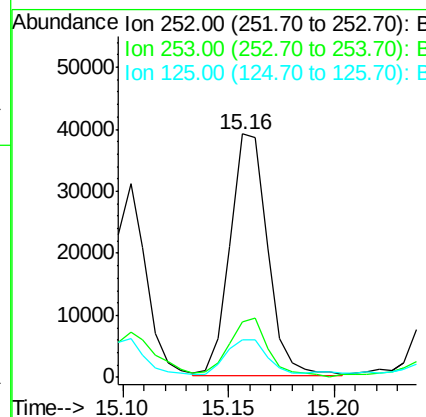
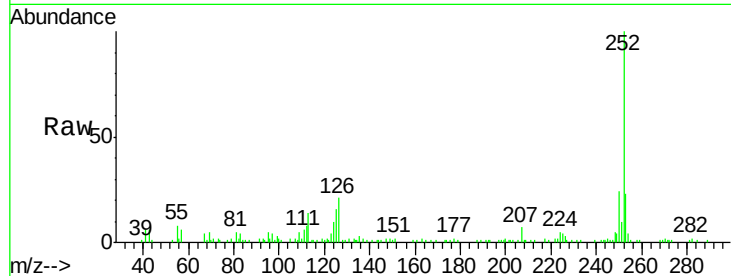
#89
Benzo(a)pyrene
Concen: 4.110 ng
RT: 15.16 min Scan# 2222
Delta R.T. -0.04 min
Lab File: BF096650.D
Acq: 11 Jul 2017 17:58

Instrument :
BNA_F
ClientSampled :
SB-5

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	15.5	11.0	16.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 3.847 ng
RT: 16.95 min Scan# 2527
Delta R.T. -0.05 min
Lab File: BF096650.D
Acq: 11 Jul 2017 17:58

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.3	18.6	28.0
138	27.6	25.4	38.0

