

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
 Data File : BF101622.D
 Acq On : 21 Dec 2017 22:08
 Operator : SJ/JU
 Sample : I6920-18
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HL-5C

Manual Integrations
 APPROVED

Sohil
 12/22/2017 12:42:16 PM

Quant Time: Dec 22 01:51:01 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 20 14:25:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	136700	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	515253	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	196031	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	299342	20.00	ng	0.00
75) Chrysene-d12	13.97	240	289438	20.00	ng	0.00
86) Perylene-d12	15.44	264	234538	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	817381	89.07	ng	0.01
7) Phenol-d6	6.44	99	950391	83.21	ng	0.00
23) Nitrobenzene-d5	7.36	82	586703	63.38	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	117983	62.46	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	672514	53.22	ng	0.00
78) Terphenyl-d14	12.90	244	451051	37.57	ng	0.00
Target Compounds						
10) Phenol	6.45	94	44894	3.449	ng	79
49) Dimethylphthalate	9.55	163	108621	6.889	ng	99
70) Phenanthrene	11.35	178	37561	2.256	ng	97
74) Fluoranthene	12.54	202	77037	4.409	ng	98
77) Pyrene	12.77	202	79932	3.680	ng	98
80) Benzo(a)anthracene	13.96	228	39214	2.052	ng	# 92
82) Chrysene	14.00	228	54378	3.013	ng	# 91
83) Bis(2-ethylhexyl)phthalate	13.93	149	96385	7.742	ng	100
87) Benzo(b)fluoranthene	15.02	252	42906m	3.001	ng	
89) Benzo(a)pyrene	15.38	252	26585	2.017	ng	# 62

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

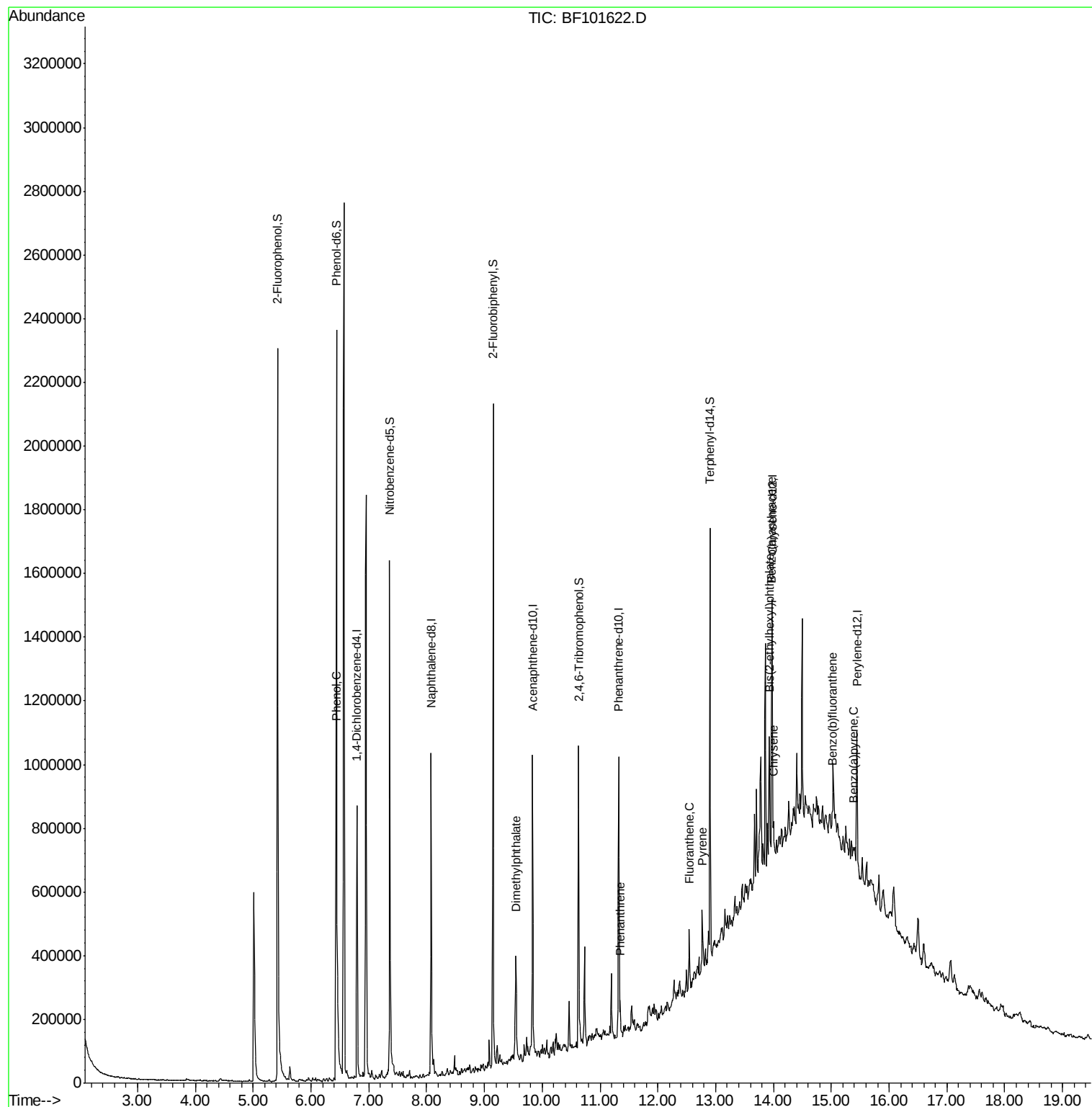
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
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Misc :
ALS Vial : 26 Sample Multiplier: 1

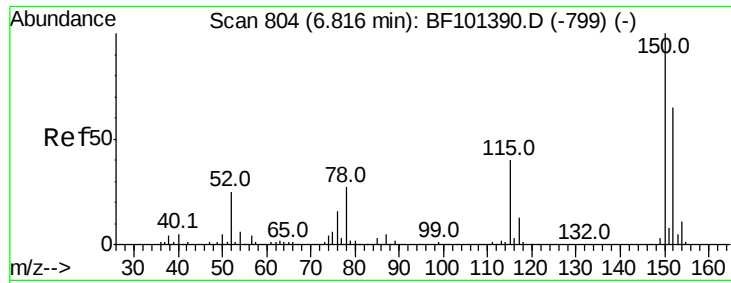
Instrument :
BNA_F
ClientSampleId :
HL-5C

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Quant Time: Dec 22 01:51:01 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
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#1

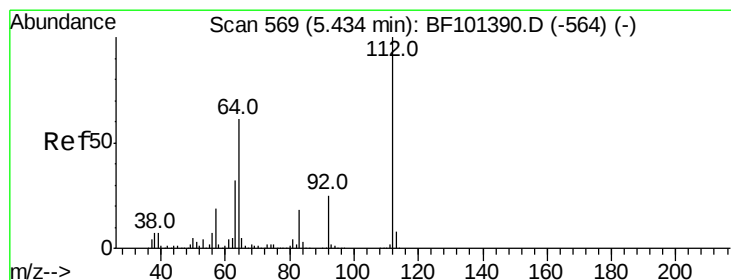
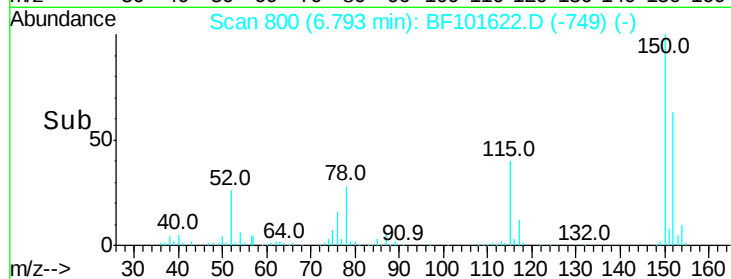
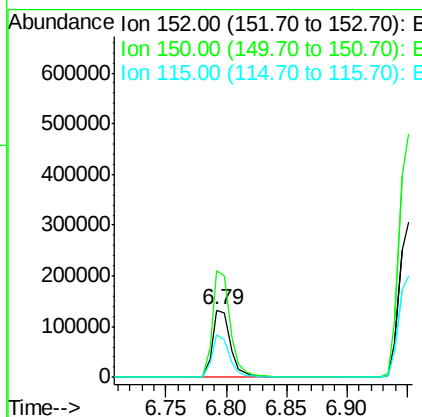
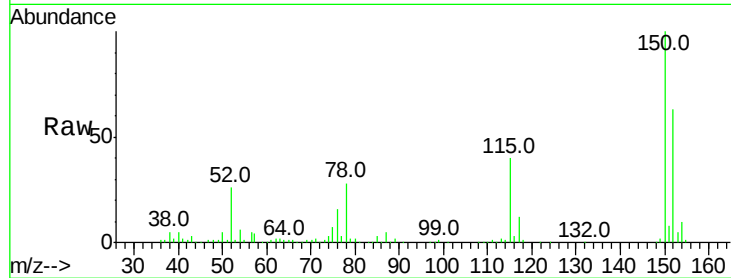
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF101622.D
Acq: 21 Dec 2017 22:08

Instrument :
BNA_F
ClientSampled :
HL-5C

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.7	124.6	186.8
115	63.4	50.1	75.1

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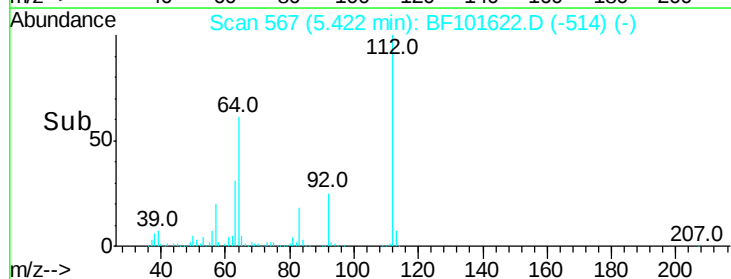
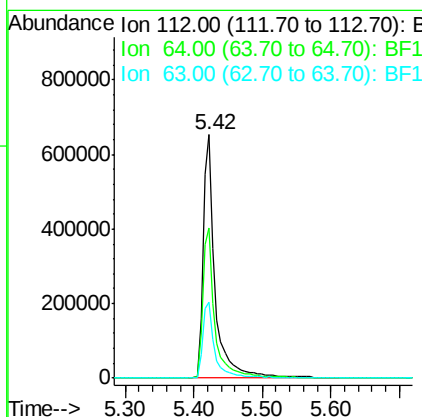
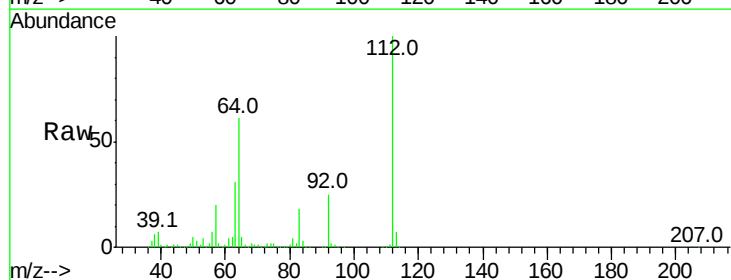
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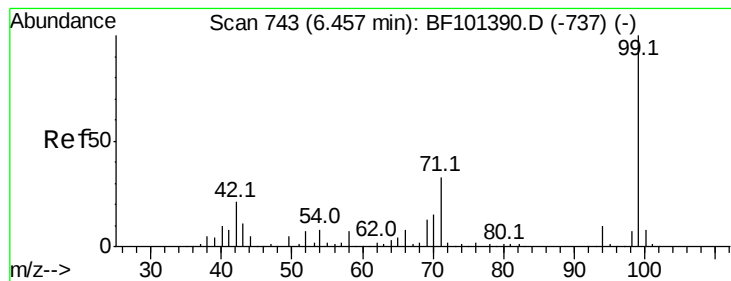


#5

2-Fluorophenol
Concen: 89.068 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF101622.D
Acq: 21 Dec 2017 22:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.4	47.9	71.9
63	31.3	23.7	35.5





#7

Phenol-d6

Concen: 83.213 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF101622.D

Acq: 21 Dec 2017 22:08

Instrument :

BNA_F

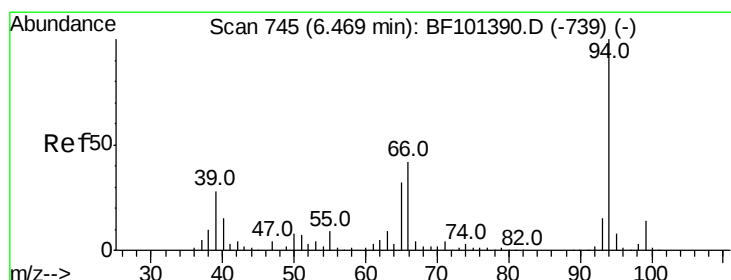
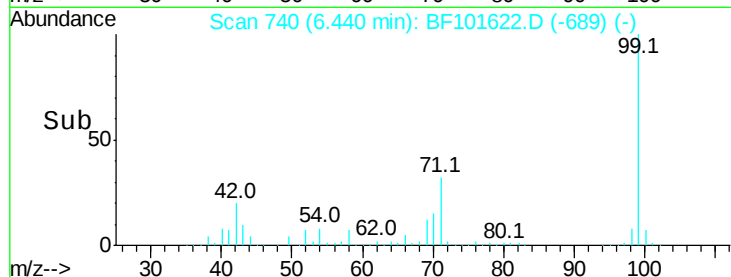
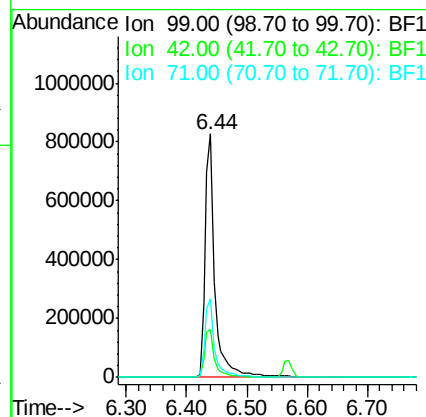
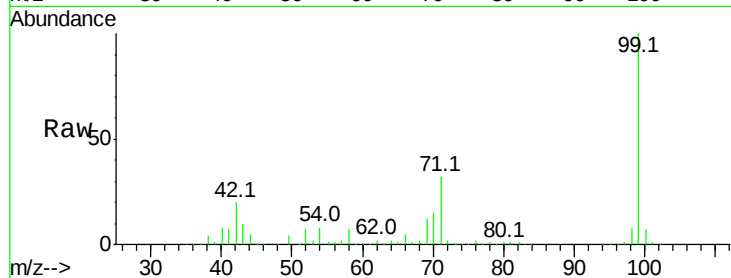
ClientSampled :

HL-5C

Tot Ion:	99	Resp:	950391
Ion Ratio	Lower	Upper	
99	100		
42	19.8	14.5	21.7
71	32.5	25.4	38.0

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#10

Phenol

Concen: 3.449 ng

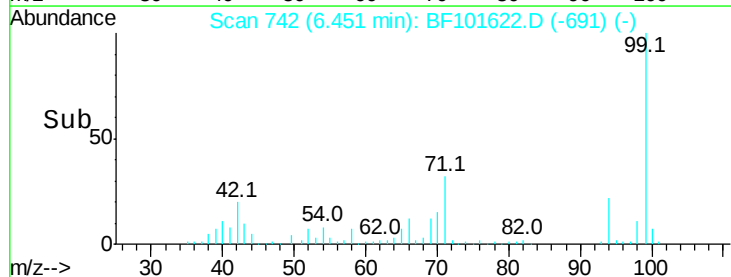
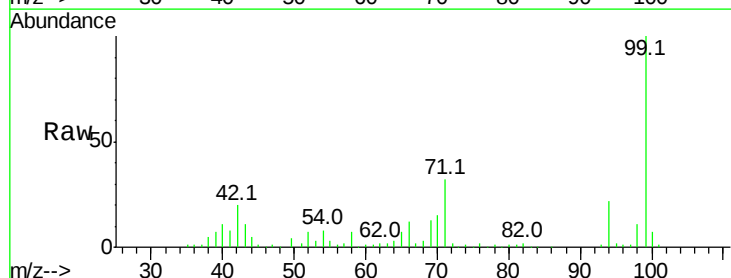
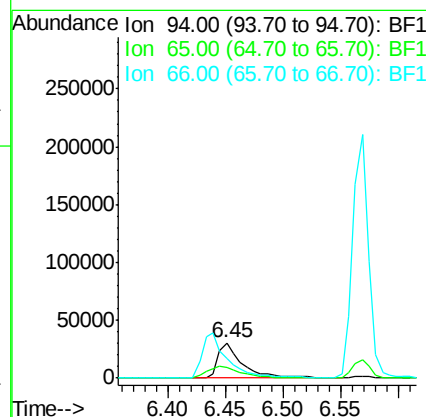
RT: 6.45 min Scan# 742

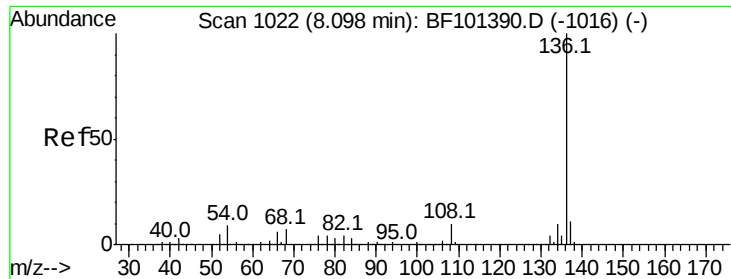
Delta R.T. 0.00 min

Lab File: BF101622.D

Acq: 21 Dec 2017 22:08

Tgt Ion:	94	Resp:	44894
Ion Ratio	Lower	Upper	
94	100		
65	31.4	7.9	47.9
66	55.5	16.2	56.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF101622.D

Acq: 21 Dec 2017 22:08

Instrument :

BNA_F

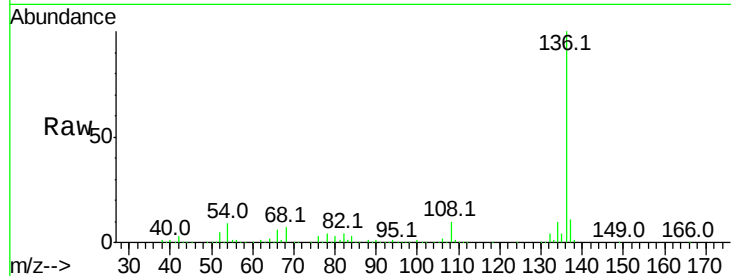
ClientSampleId :

HL-5C

Tot Ion:	136	Resp:	515253
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	9.5	6.6	9.8
68	7.0	5.0	7.4

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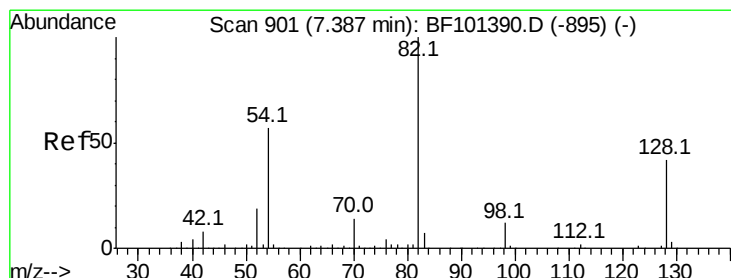
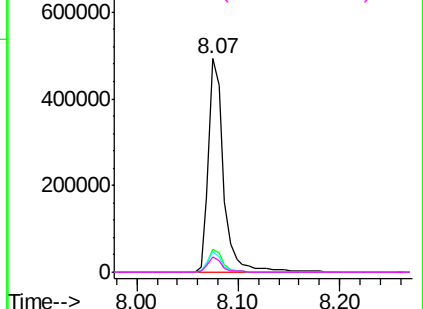
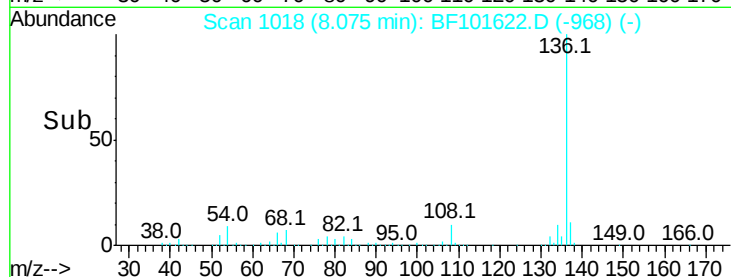


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 63.385 ng

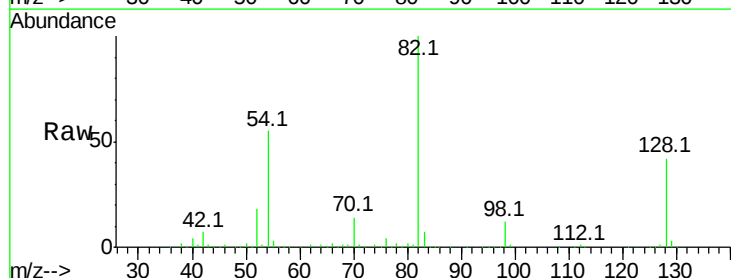
RT: 7.36 min Scan# 897

Delta R.T. -0.01 min

Lab File: BF101622.D

Acq: 21 Dec 2017 22:08

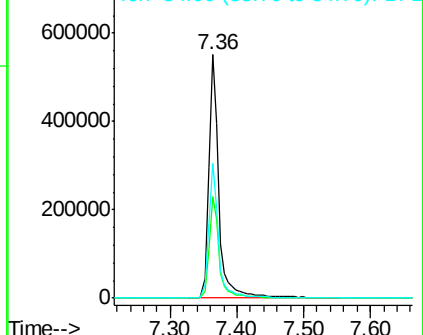
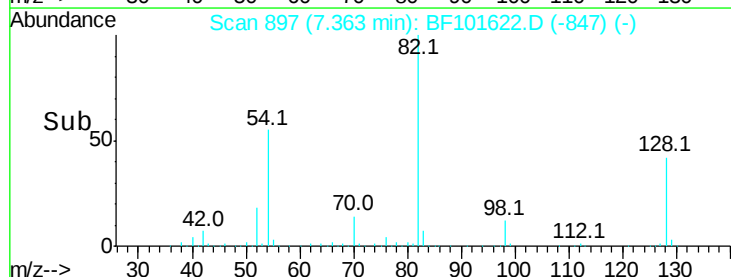
Tgt Ion:	82	Resp:	586703
Ion Ratio	Lower	Upper	
82	100		
128	42.0	36.1	54.1
54	55.4	41.4	62.2

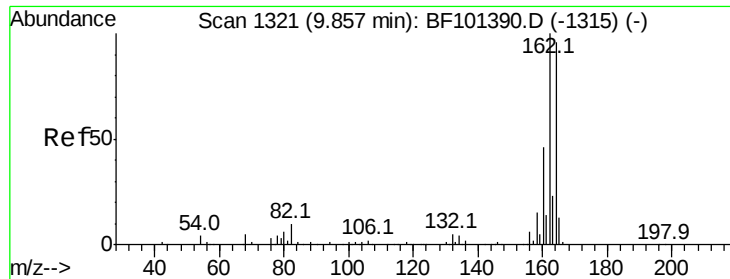


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





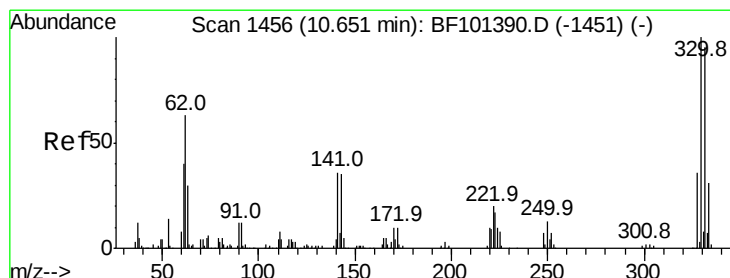
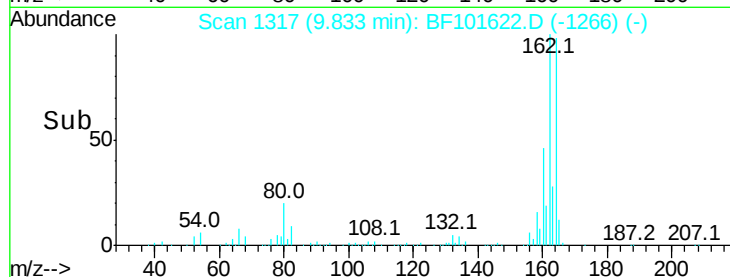
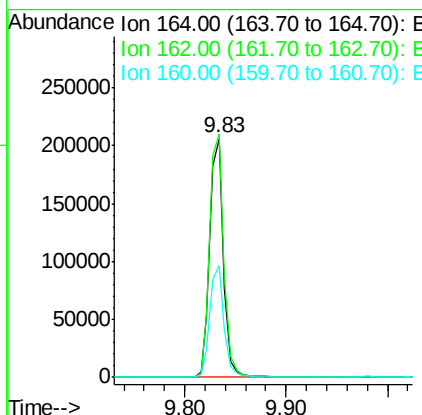
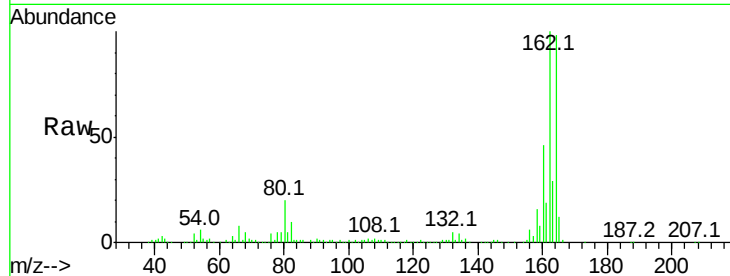
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BF101622.D
Acq: 21 Dec 2017 22:08

Instrument :
BNA_F
ClientSampled :
HL-5C

Tot Ion	Ratio	Resp	Lower	Upper
164	100	196031		
162	101.8	86.1	129.1	
160	46.9	38.3	57.5	

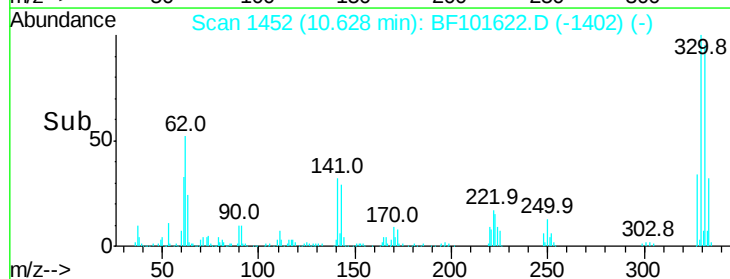
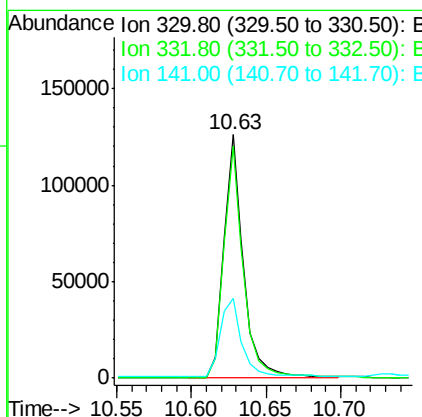
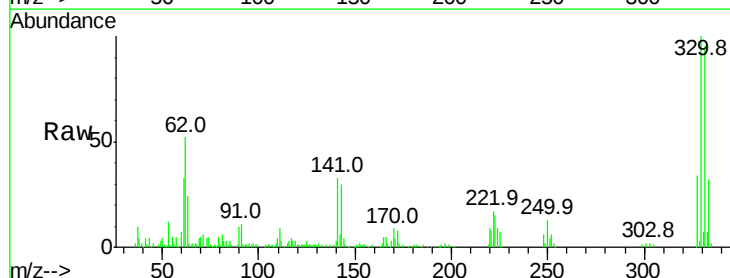
Manual Integrations
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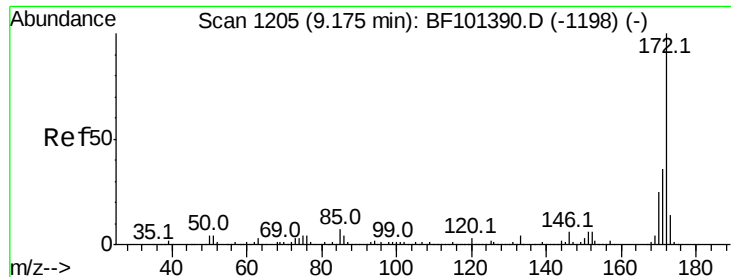
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#41
2,4,6-Tribromophenol
Concen: 62.461 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BF101622.D
Acq: 21 Dec 2017 22:08

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	117983		
332	96.6	77.0	115.6	
141	36.4	29.9	44.9	





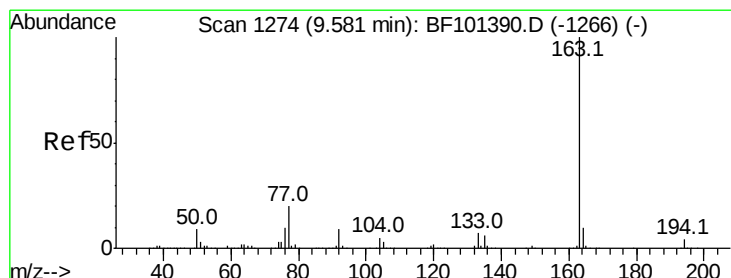
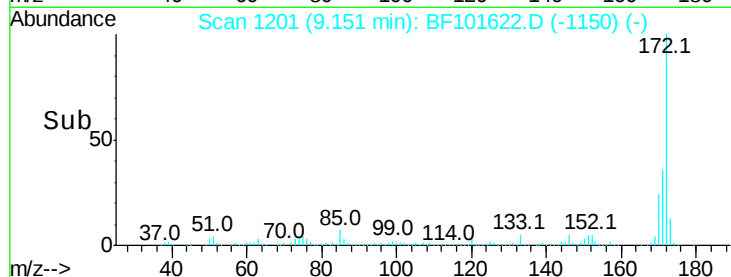
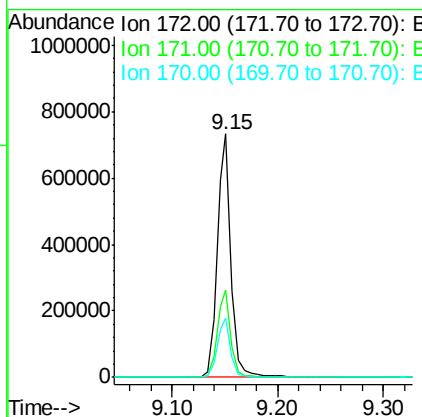
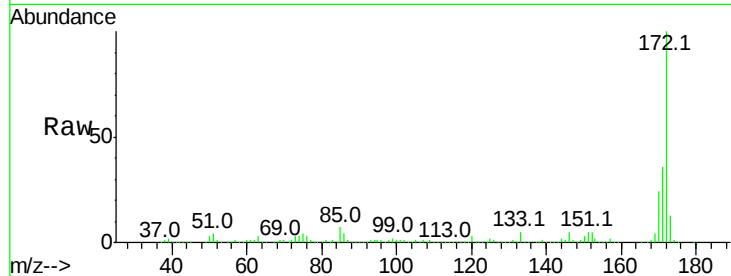
#44
2-Fluorobiphenyl
Concen: 53.218 ng
RT: 9.15 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BF101622.D
Acq: 21 Dec 2017 22:08

Instrument :
BNA_F
ClientSampled :
HL-5C

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	24.4	19.6	29.4

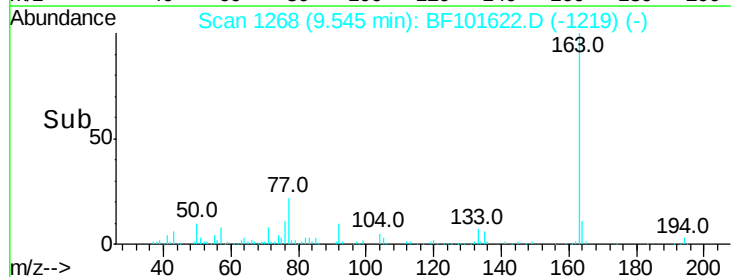
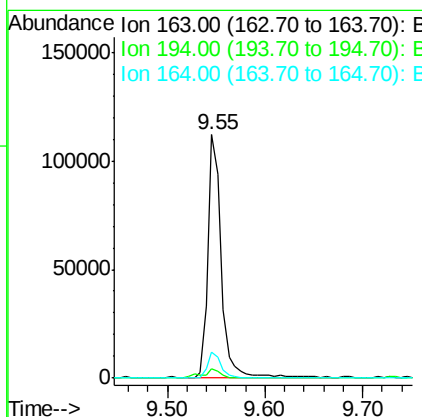
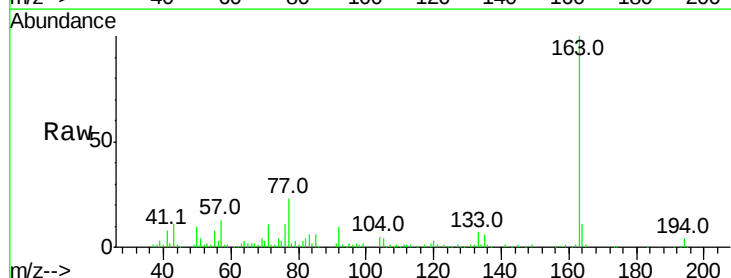
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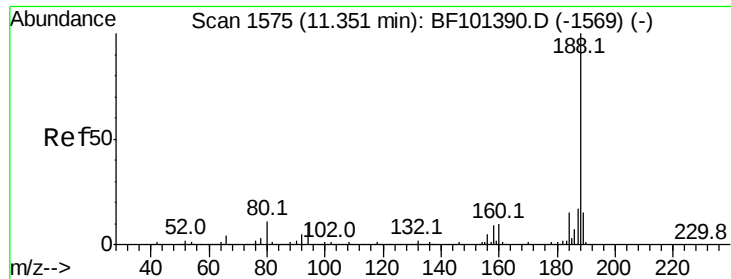
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#49
Dimethylphthalate
Concen: 6.889 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF101622.D
Acq: 21 Dec 2017 22:08

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.7	4.1
164	10.5	8.2	12.2





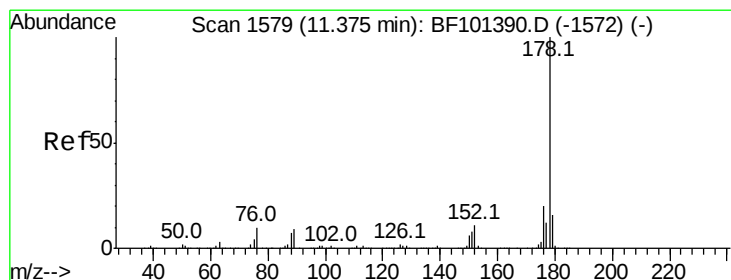
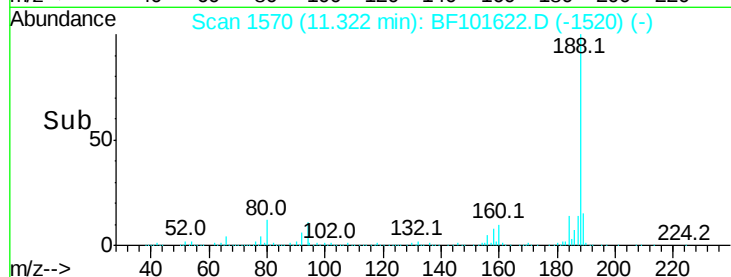
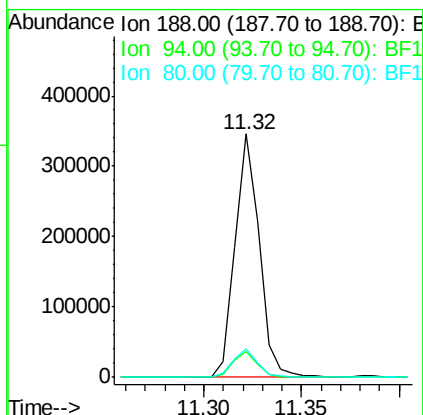
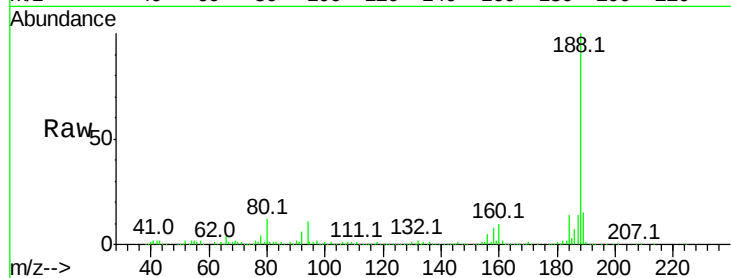
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF101622.D
Acq: 21 Dec 2017 22:08

Instrument :
BNA_F
ClientSampleId :
HL-5C

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.8	8.5	12.7
80	11.8	9.2	13.8

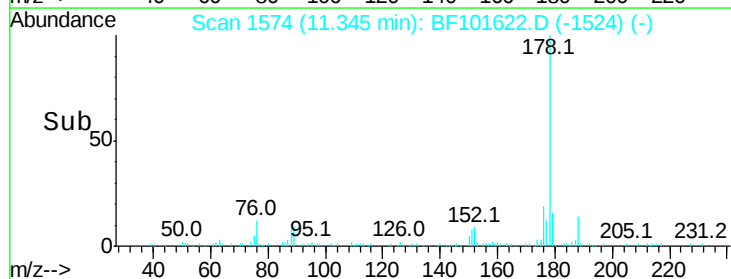
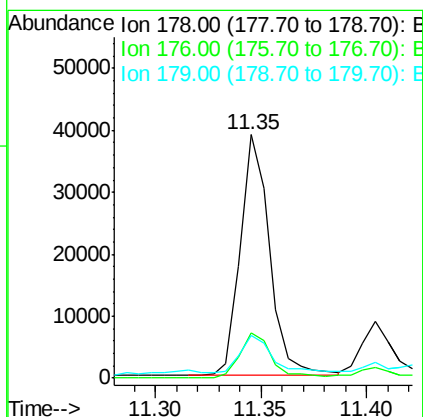
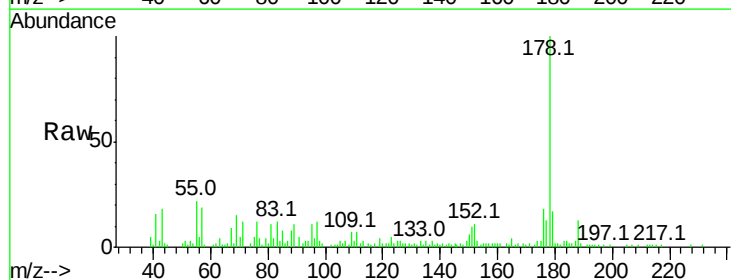
Manual Integrations
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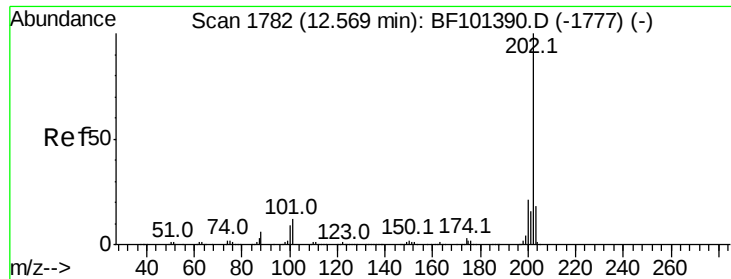
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#70
Phenanthrene
Concen: 2.256 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF101622.D
Acq: 21 Dec 2017 22:08

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.3	15.8	23.8
179	17.3	13.0	19.6





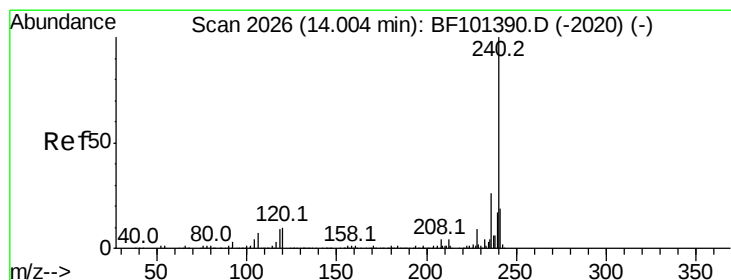
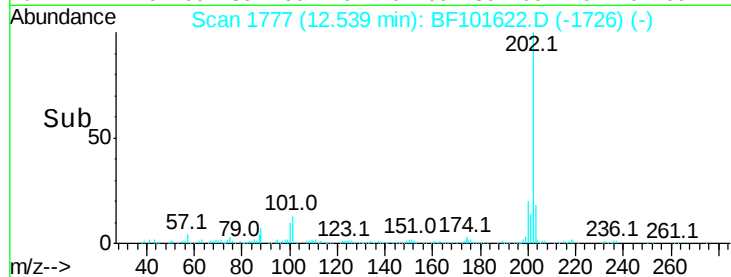
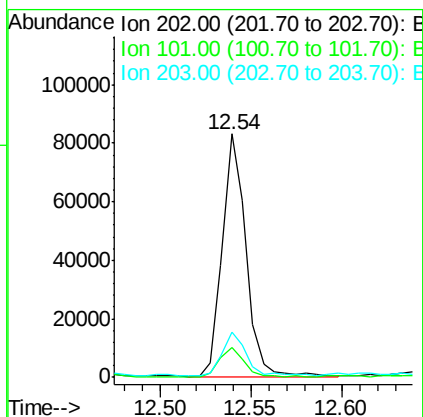
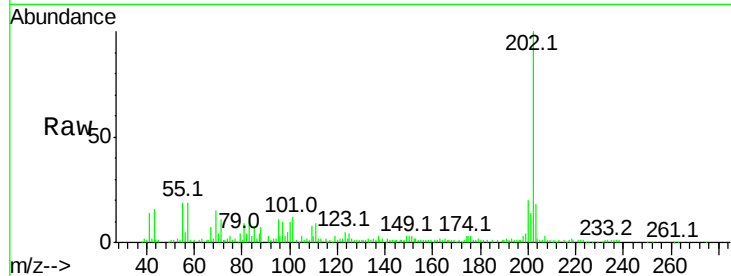
#74
Fluoranthene
Concen: 4.409 ng
RT: 12.54 min Scan# 1777
Delta R.T. 0.00 min
Lab File: BF101622.D
Acq: 21 Dec 2017 22:08

Instrument :
BNA_F
ClientSampled :
HL-5C

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	34.1
203	18.4	0.0	38.1

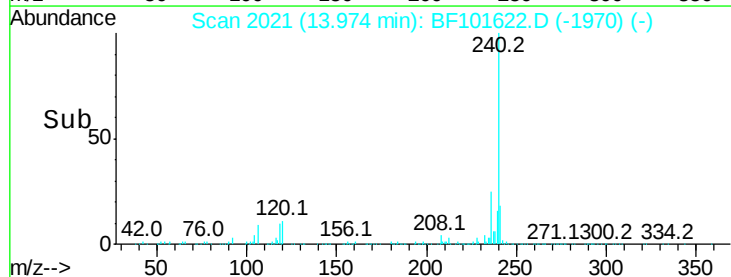
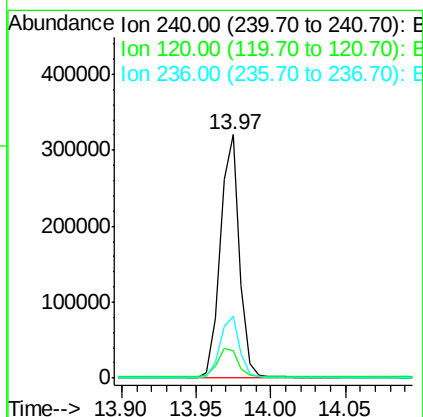
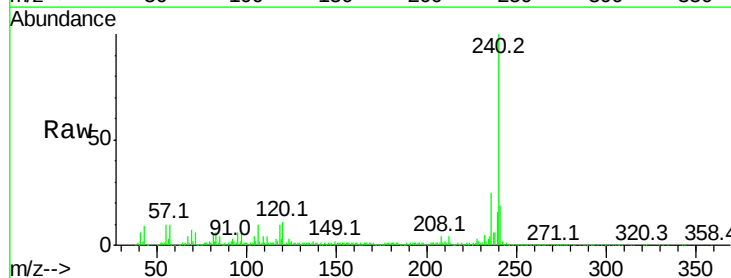
Manual Integrations
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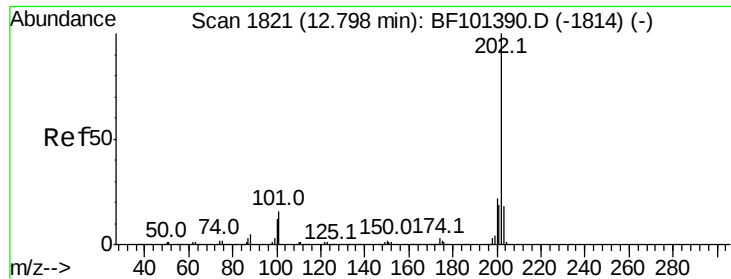
Sohil
12/22/2017 12:42:16 PM



#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF101622.D
Acq: 21 Dec 2017 22:08

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.4	9.5	14.3
236	25.3	20.7	31.1





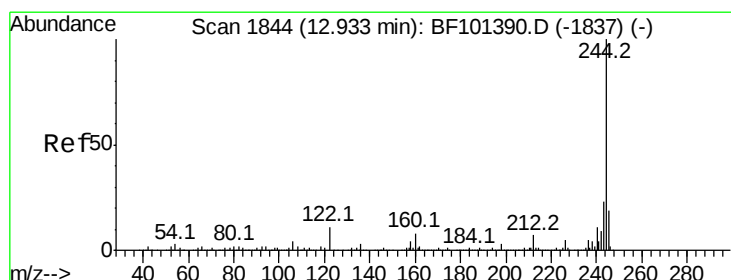
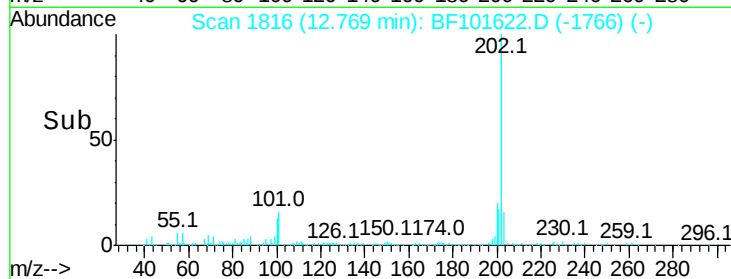
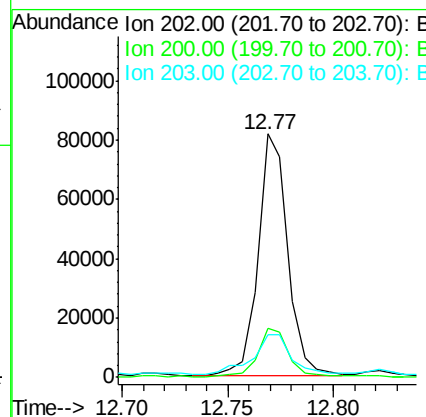
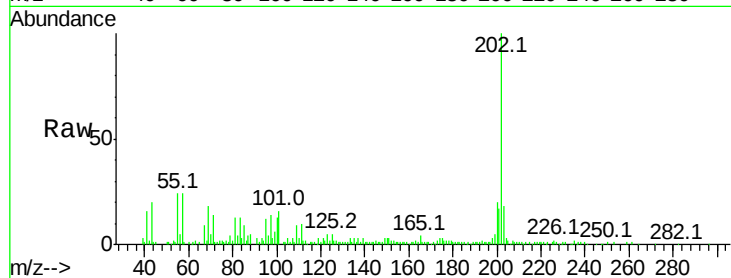
#77
Pvrene
Concen: 3.680 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BF101622.D
Acq: 21 Dec 2017 22:08

Instrument :
BNA_F
ClientSampleId :
HL-5C

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.4	26.2
203	17.7	14.3	21.5

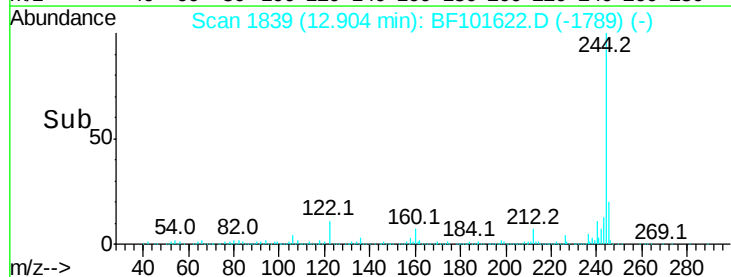
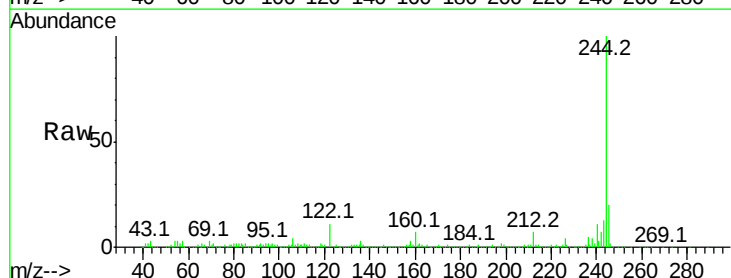
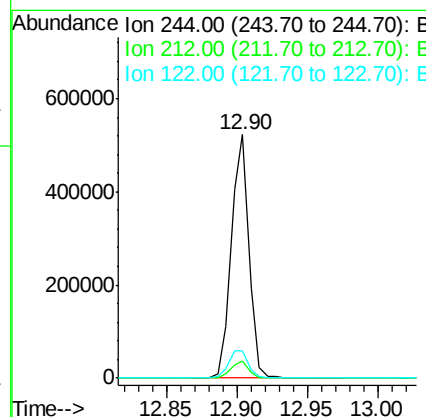
Manual Integrations
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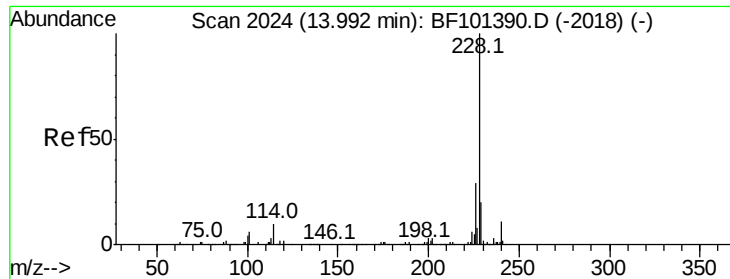
Sohil
12/22/2017 12:42:16 PM



#78
Terphenyl-d14
Concen: 37.569 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF101622.D
Acq: 21 Dec 2017 22:08

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	11.2	11.0	16.4





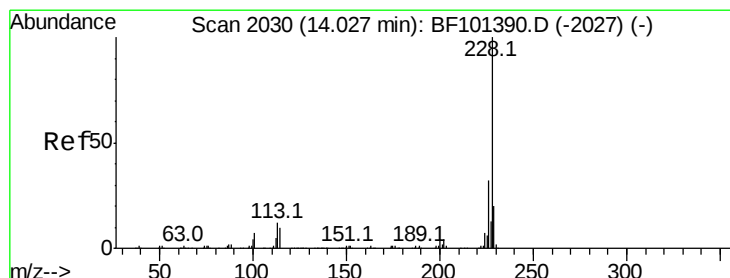
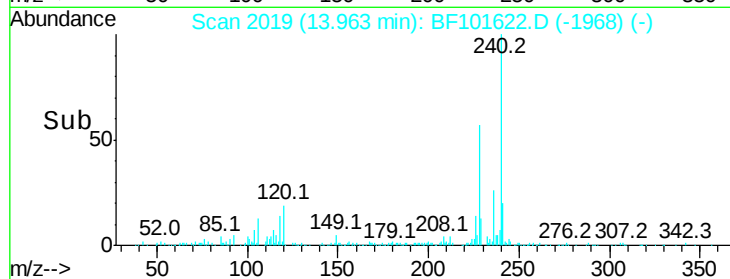
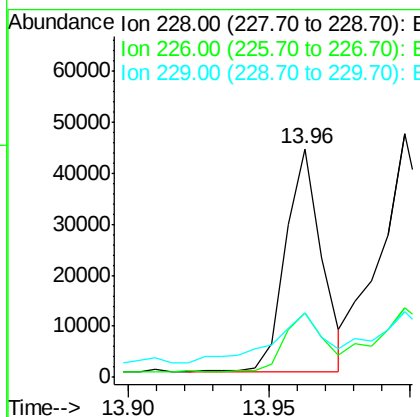
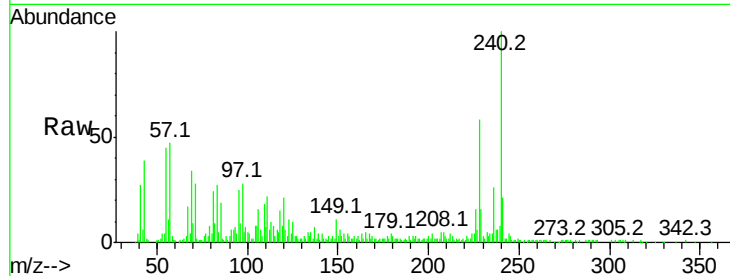
#80
Benzo(a)anthracene
Concen: 2.052 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BF101622.D
Acq: 21 Dec 2017 22:08

Instrument :
BNA_F
ClientSampleId :
HL-5C

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.6	33.8
229	28.2	15.8	23.6

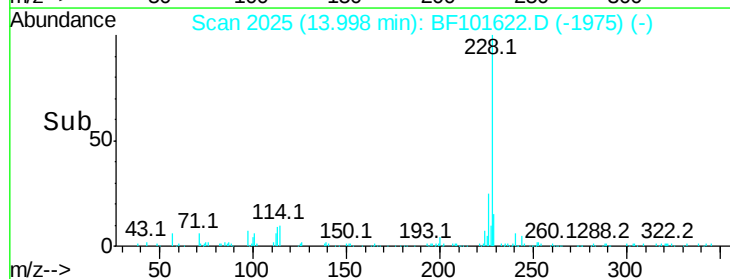
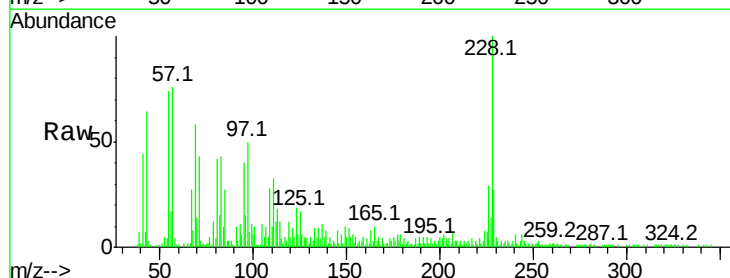
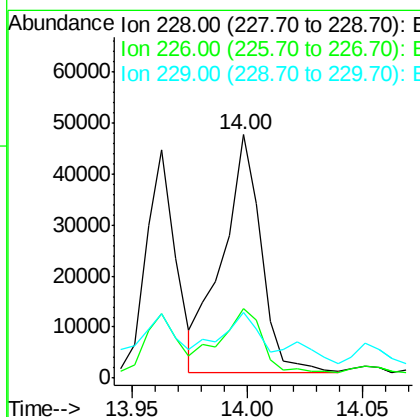
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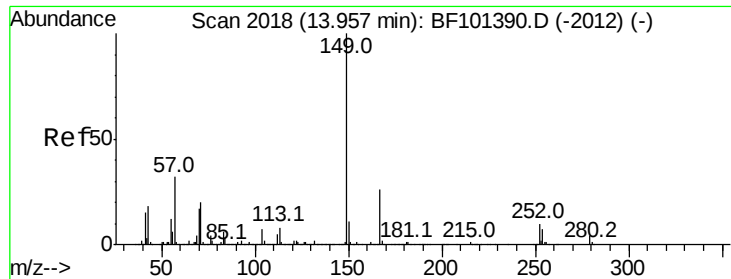
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#82
Chrysene
Concen: 3.013 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF101622.D
Acq: 21 Dec 2017 22:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	25.0	37.6
229	27.1	16.2	24.4





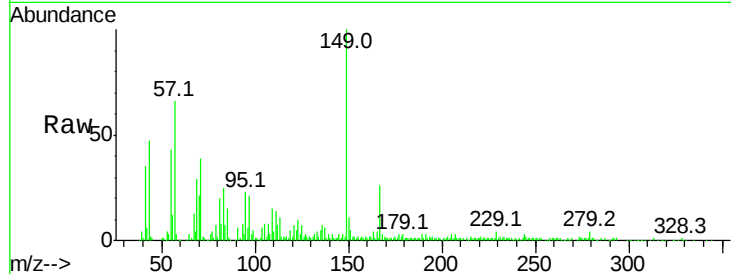
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 7.742 ng
 RT: 13.93 min Scan# 2013
 Delta R.T. 0.00 min
 Lab File: BF101622.D
 Acq: 21 Dec 2017 22:08

Instrument :
 BNA_F
 ClientSampled :
 HL-5C

Tot Ion	Ratio	Resp	Lower	Upper
149	100	96385		
167	26.3		21.3	31.9
279	3.6		3.0	4.4

Manual Integrations
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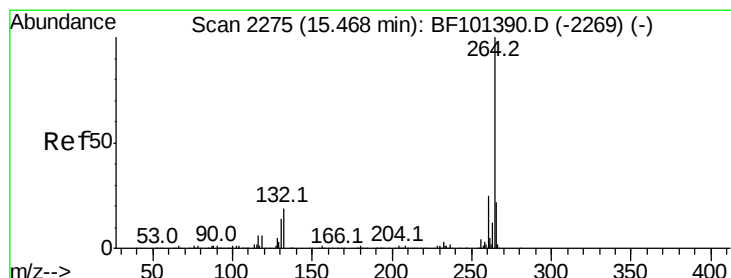
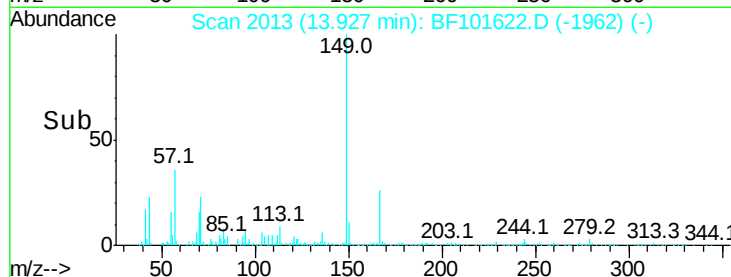
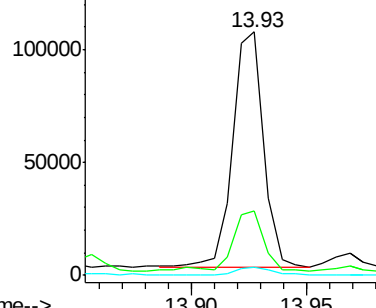


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: BF101622.D
 Acq: 21 Dec 2017 22:08

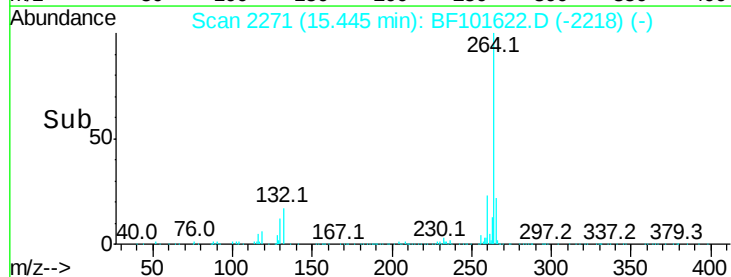
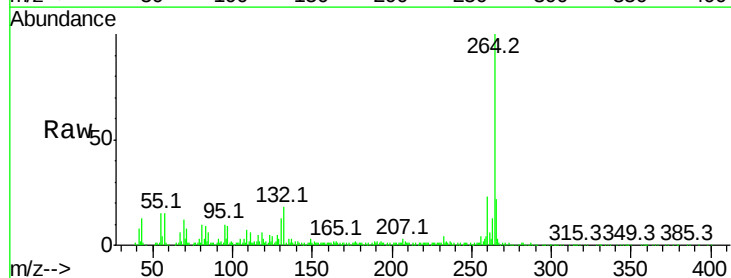
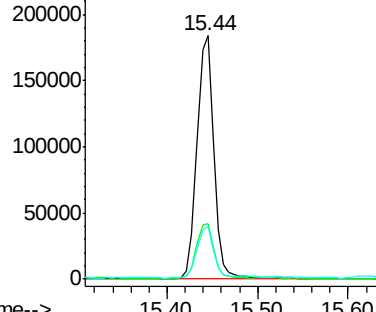
Tgt Ion	Ratio	Resp	Lower	Upper
264	100	234538		
260	23.0		19.2	28.8
265	21.9		17.5	26.3

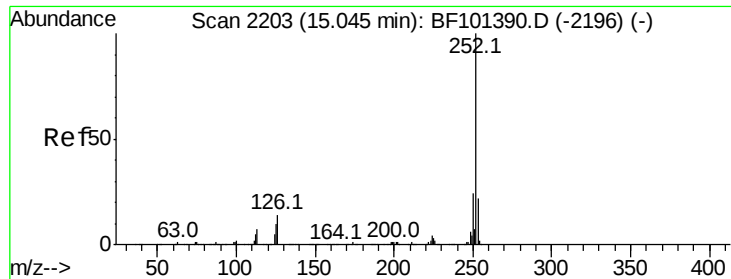
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.001 ng/mL

RT: 15.02 min Scan# 2198

Delta R.T. 0.01 min

Lab File: BF101622.D

Acq: 21 Dec 2017 22:08

Instrument :

BNA_F

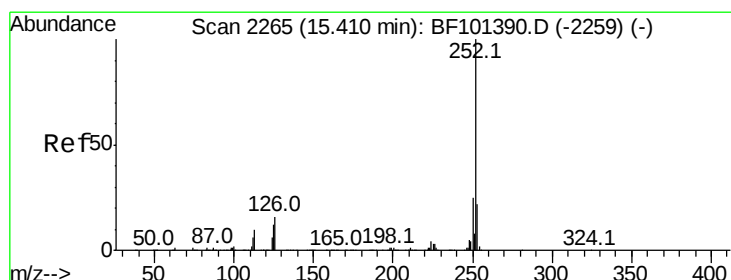
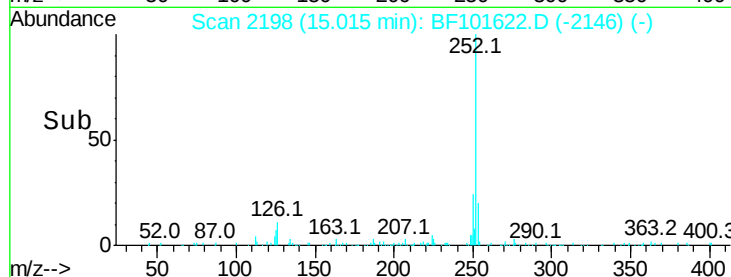
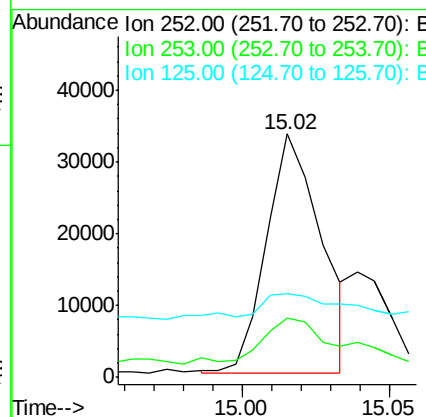
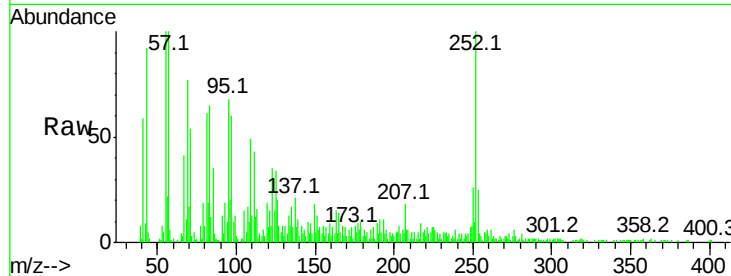
ClientSampleId :

HL-5C

Tot Ion:	252	Resp:	42906
Ion Ratio	Lower	Upper	
252	100		
253	24.6	17.0	25.6
125	34.2	9.0	13.6

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#89

Benzo(a)pyrene

Concen: 2.017 ng/mL

RT: 15.38 min Scan# 2260

Delta R.T. 0.00 min

Lab File: BF101622.D

Acq: 21 Dec 2017 22:08

Tgt Ion:	252	Resp:	26585
Ion Ratio	Lower	Upper	
252	100		
253	28.4	17.1	25.7
125	43.1	9.8	14.6

