

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120717\
 Data File : BF101215.D
 Acq On : 7 Dec 2017 19:46
 Operator : SJ/JU
 Sample : I6717-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB-3(0-10)

Manual Integrations
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 12/8/2017 11:12:20 AM

Quant Time: Dec 08 00:10:29 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 04 13:07:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	44761	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	160505	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	64208	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	113702	20.00	ng	0.00
75) Chrysene-d12	14.02	240	92811	20.00	ng	0.00
86) Perylene-d12	15.50	264	76003	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	306317	113.08	ng	0.00
7) Phenol-d6	6.48	99	353215	107.40	ng	0.00
23) Nitrobenzene-d5	7.41	82	199697	74.22	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	71995	93.34	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	406302	86.58	ng	-0.01
78) Terphenyl-d14	12.96	244	335649	79.10	ng	0.00
Target Compounds						
10) Phenol	6.49	94	8756	2.394	ng	90
49) Dimethylphthalate	9.59	163	47102	9.096	ng	99
70) Phenanthrene	11.40	178	43816	6.998	ng	97
74) Fluoranthene	12.59	202	60761	8.754	ng	94
77) Pyrene	12.82	202	56828	8.873	ng	95
80) Benzo(a)anthracene	14.01	228	26968	4.602	ng	99
82) Chrysene	14.04	228	23152	4.254	ng	96
85) Indeno(1,2,3-cd)pyrene	16.99	276	10574	2.185	ng	92
87) Benzo(b)fluoranthene	15.07	252	24302m	5.338	ng	
89) Benzo(a)pyrene	15.44	252	17491	4.226	ng	95
91) Benzo(g,h,i)perylene	17.44	276	9888	2.876	ng	94

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

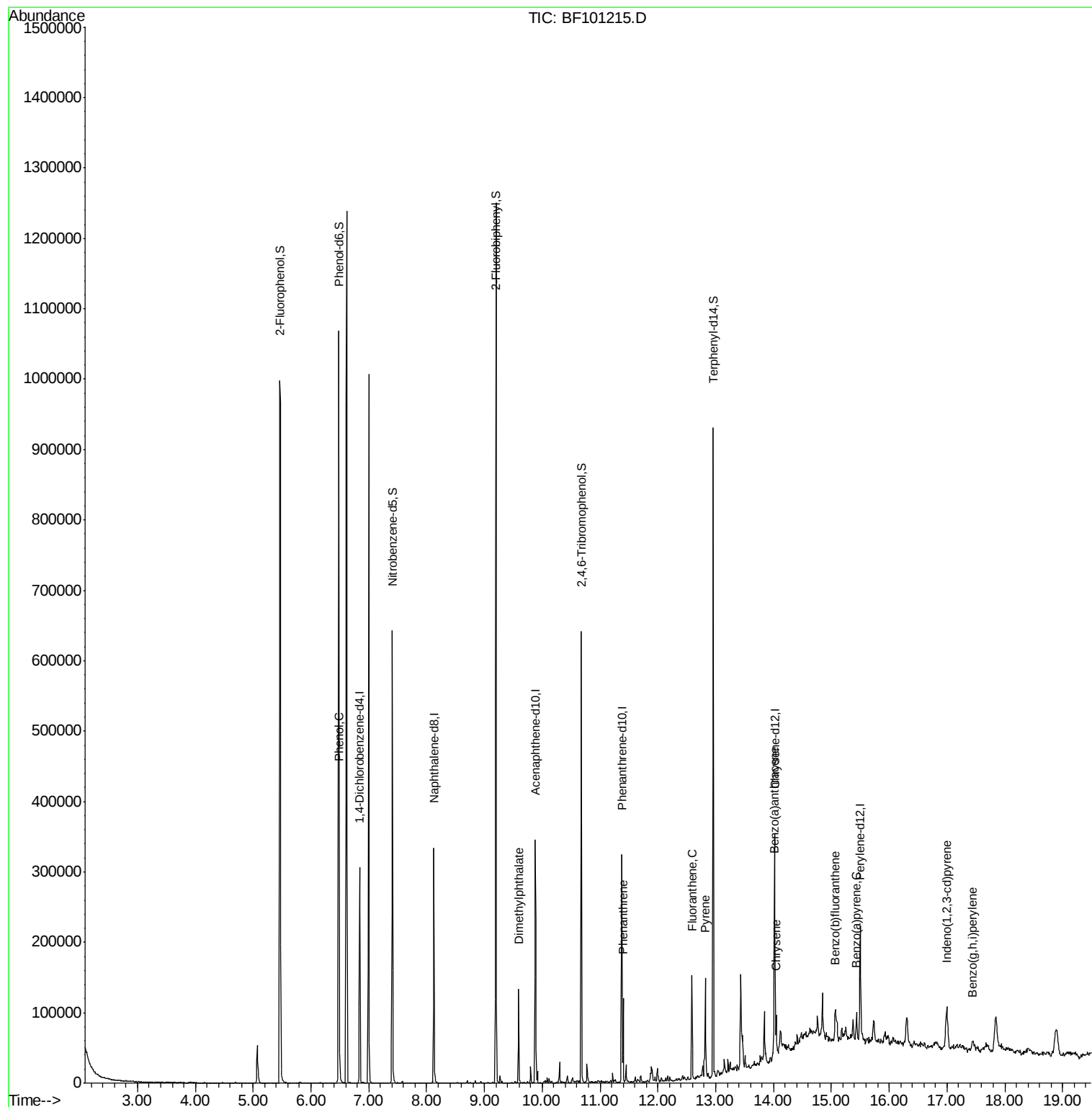
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120717\
Data File : BF101215.D
Acq On : 7 Dec 2017 19:46
Operator : SJ/JU
Sample : I6717-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

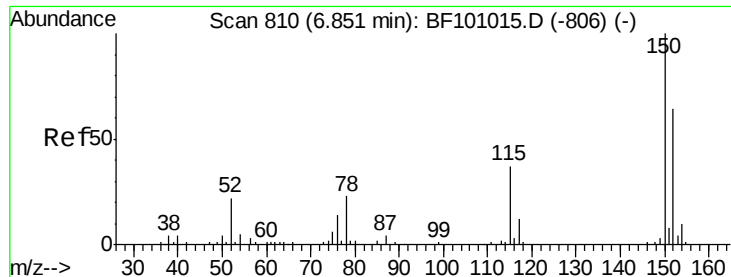
Instrument :
BNA_F
ClientSampleId :
PB-3(0-10)

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Quant Time: Dec 08 00:10:29 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
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Response via : Initial Calibration





#1

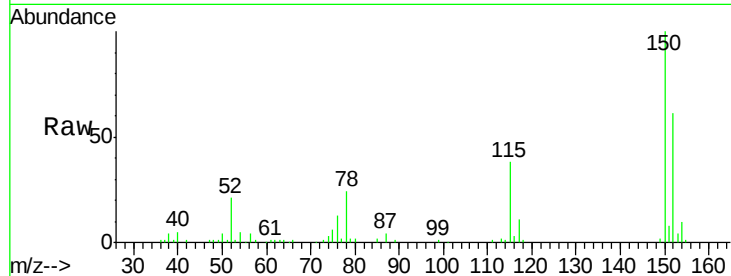
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF101215.D
Acq: 7 Dec 2017 19:46

Instrument :
BNA_F
ClientSampleId :
PB-3(0-10)

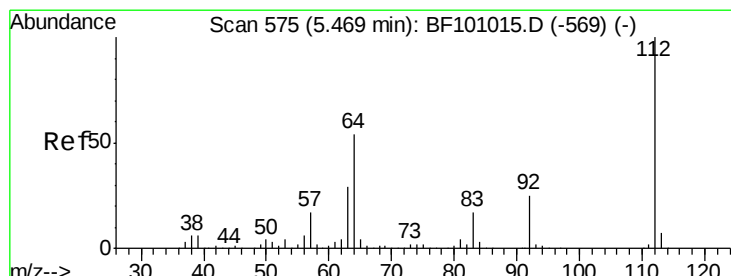
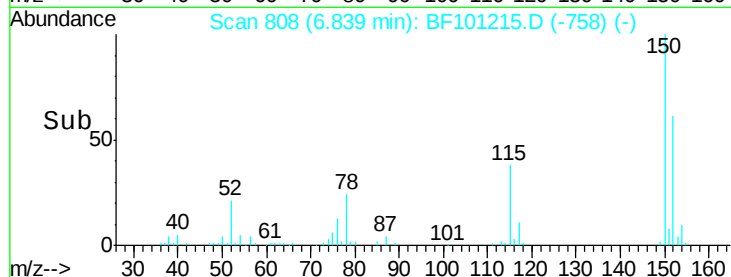
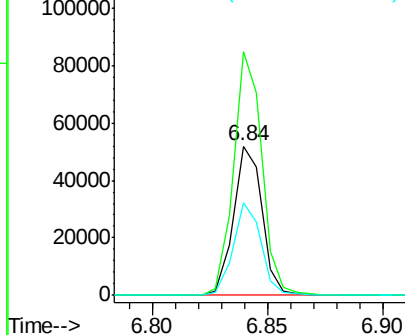
Tot Ion	Ratio	Lower	Upper
152	100		
150	163.5	124.6	186.8
115	62.2	50.1	75.1

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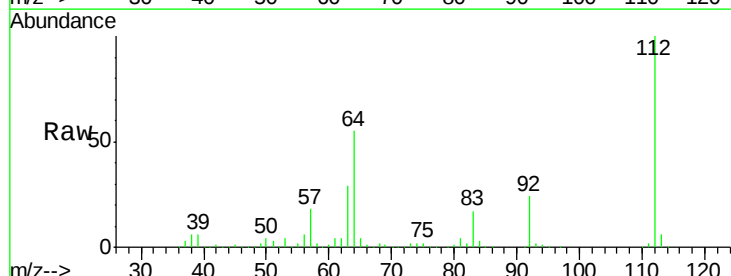
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



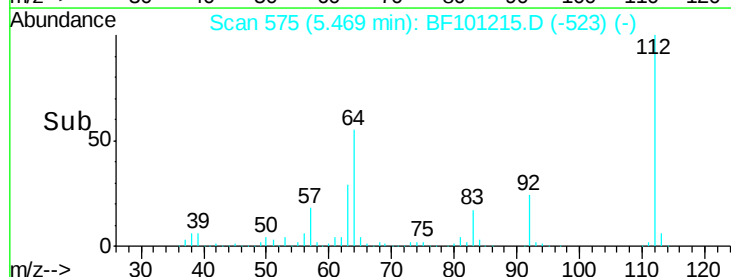
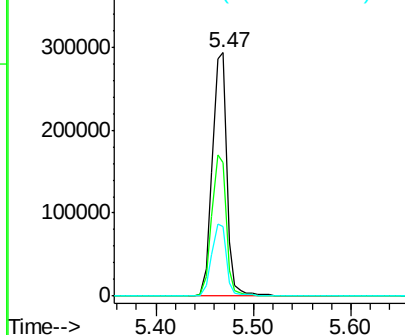
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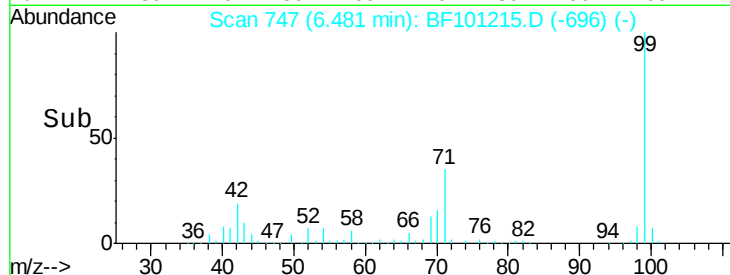
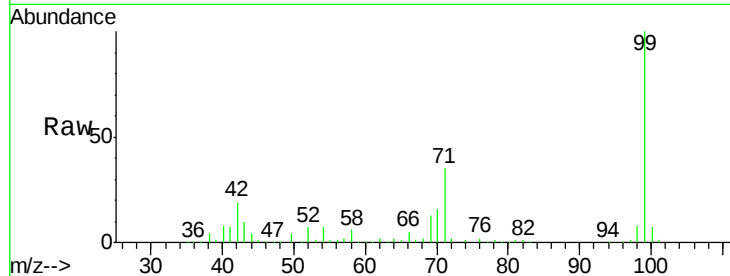
2-Fluorophenol
Concen: 113.083 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF101215.D
Acq: 7 Dec 2017 19:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.9	47.9	71.9
63	28.5	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 107.402 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF101215.D

Acq: 7 Dec 2017 19:46

Tot Ion:	99	Resp:	353215
Ion Ratio	Lower	Upper	
99	100		
42	19.1	14.5	21.7
71	35.4	25.4	38.0

Instrument :

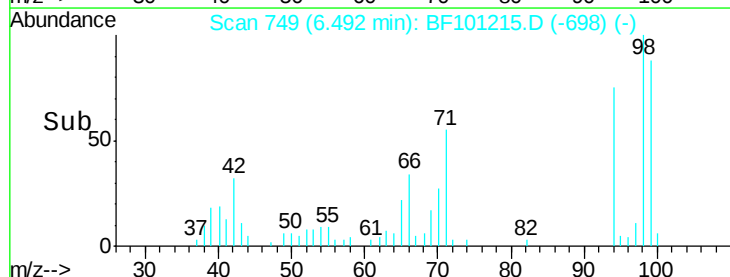
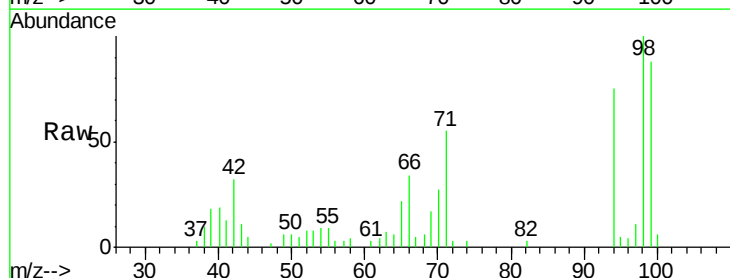
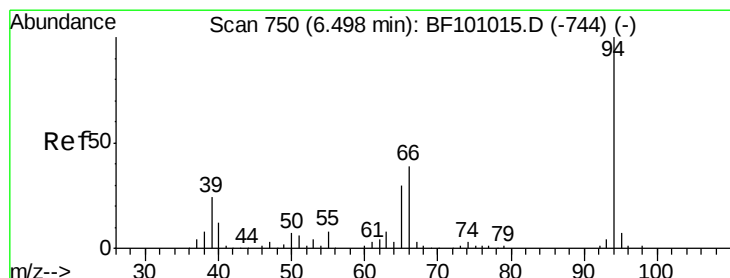
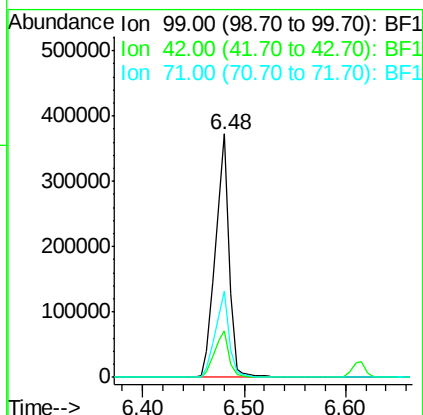
BNA_F

ClientSampled :

PB-3(0-10)

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#10

Phenol

Concen: 2.394 ng

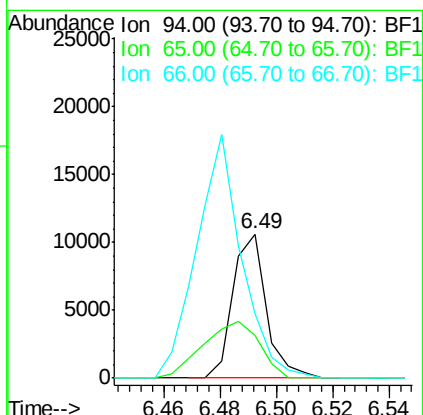
RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF101215.D

Acq: 7 Dec 2017 19:46

Tgt Ion:	94	Resp:	8756
Ion Ratio	Lower	Upper	
94	100		
65	29.7	7.9	47.9
66	44.7	16.2	56.2





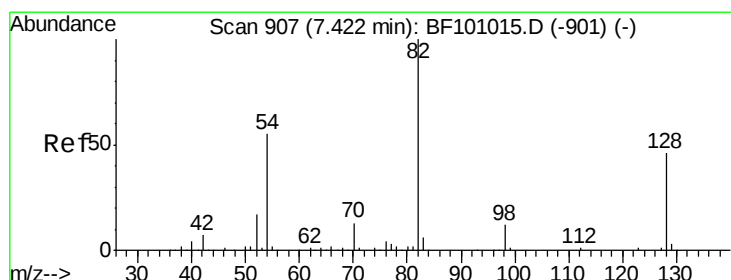
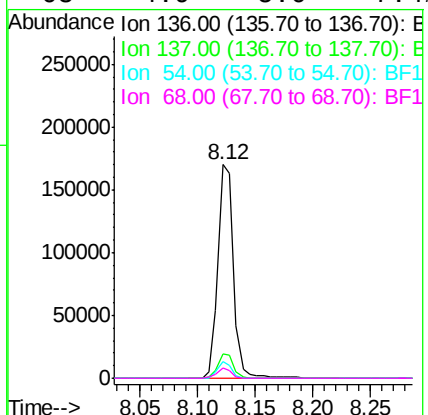
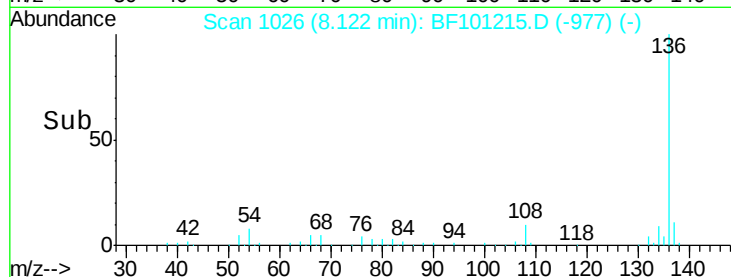
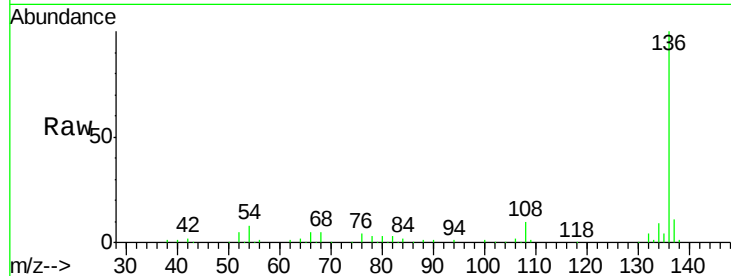
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF101215.D
Acq: 7 Dec 2017 19:46

Instrument :
BNA_F
ClientSampled :
PB-3(0-10)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	11.2		8.9	13.3	
54	7.6		6.6	9.8	
68	4.9		5.0	7.4	

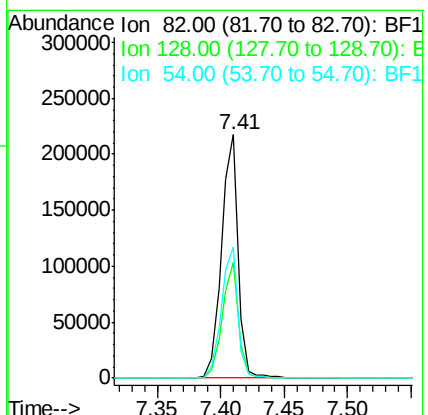
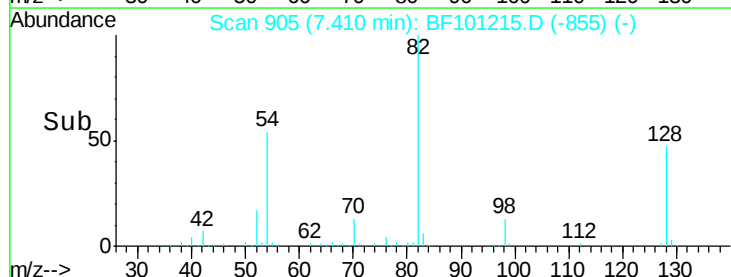
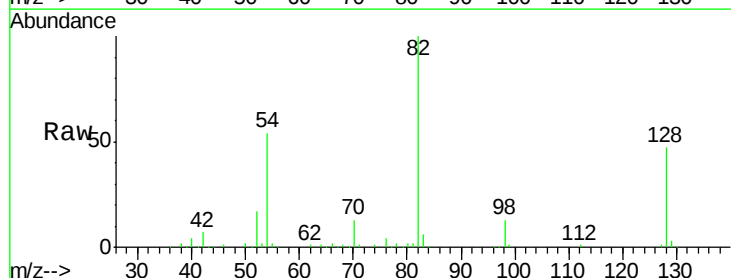
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#23
Nitrobenzene-d5
Concen: 74.219 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF101215.D
Acq: 7 Dec 2017 19:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100				
128	47.4		36.1	54.1	
54	53.7		41.4	62.2	





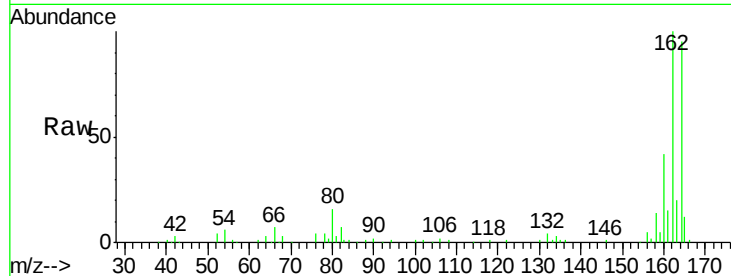
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF101215.D
Acq: 7 Dec 2017 19:46

Instrument :
BNA_F
ClientSampleId :
PB-3(0-10)

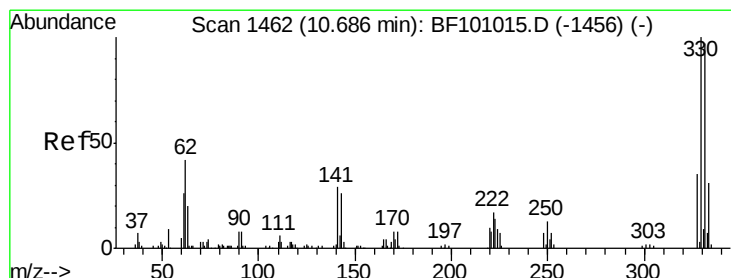
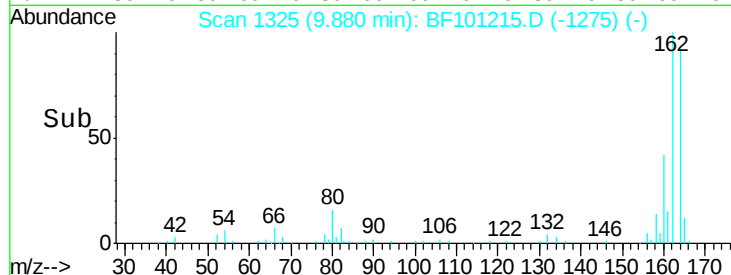
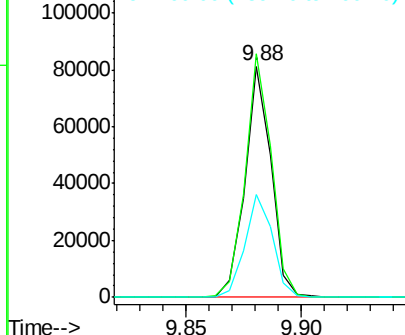
Tot Ion	Ratio	Lower	Upper
164	100		
162	105.5	86.1	129.1
160	44.6	38.3	57.5

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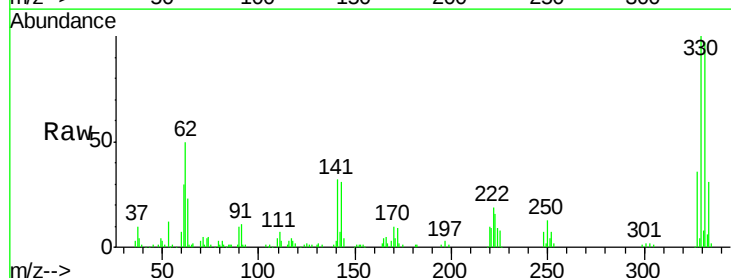


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

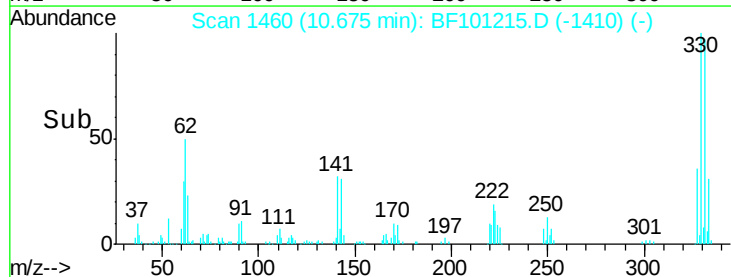
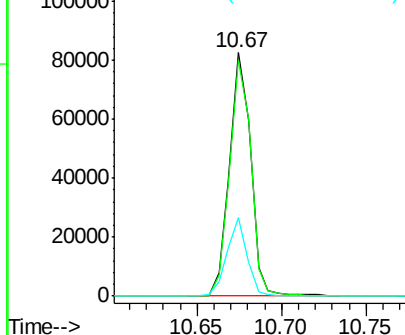


#41
2,4,6-Tribromophenol
Concen: 93.340 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.01 min
Lab File: BF101215.D
Acq: 7 Dec 2017 19:46

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	30.4	29.9	44.9



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





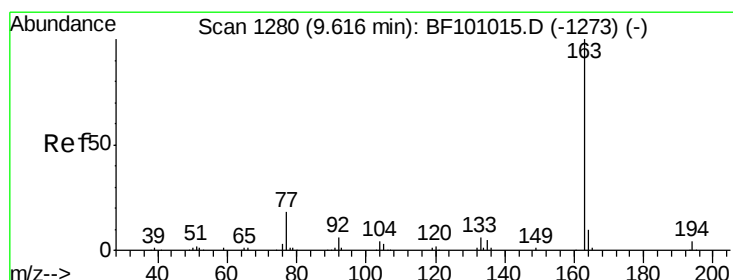
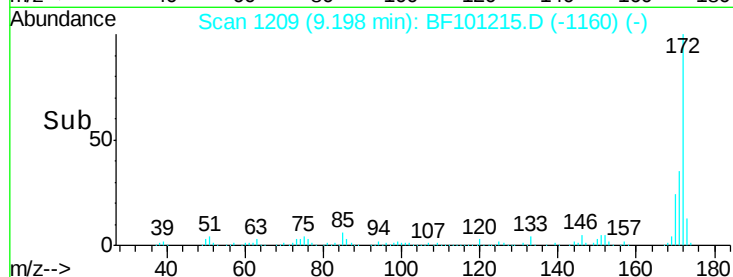
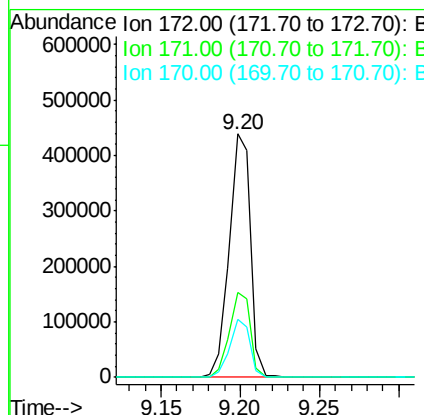
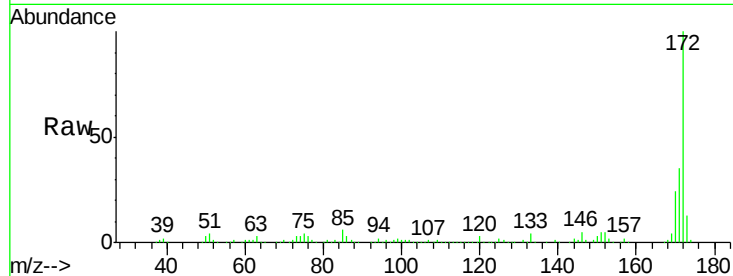
#44
2-Fluorobiphenyl
Concen: 86.578 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BF101215.D
Acq: 7 Dec 2017 19:46

Instrument :
BNA_F
ClientSampleId :
PB-3(0-10)

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.7	44.5
170	23.8	19.6	29.4

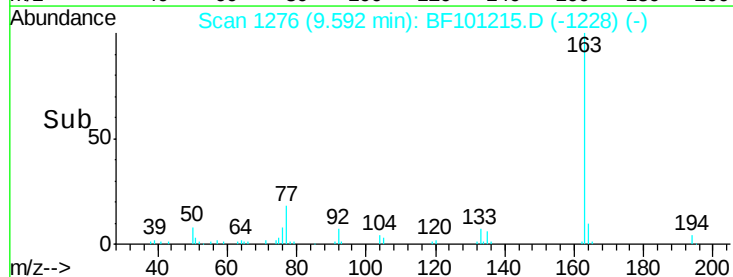
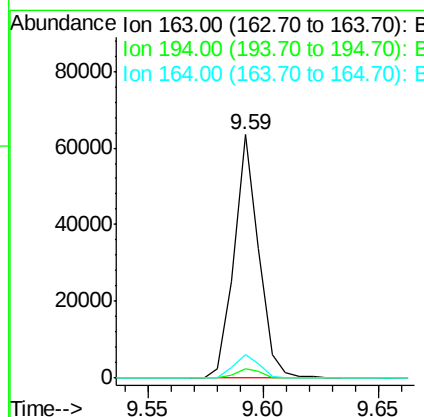
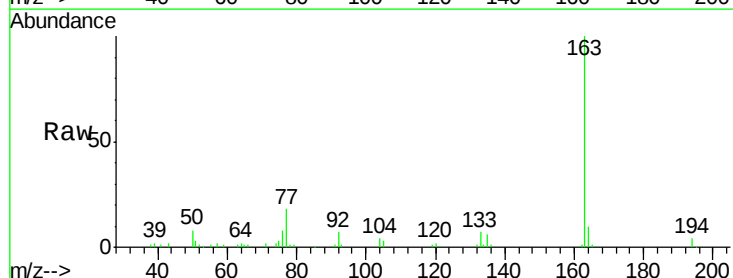
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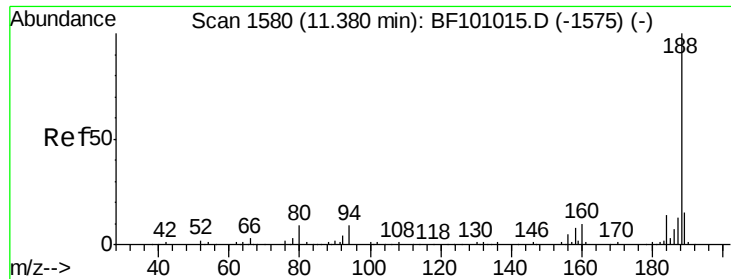
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#49
Dimethylphthalate
Concen: 9.096 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF101215.D
Acq: 7 Dec 2017 19:46

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	9.8	8.2	12.2





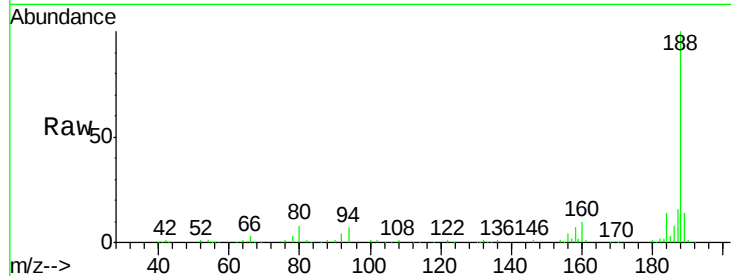
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.00 min
Lab File: BF101215.D
Acq: 7 Dec 2017 19:46

Instrument :
BNA_F
ClientSampleId :
PB-3(0-10)

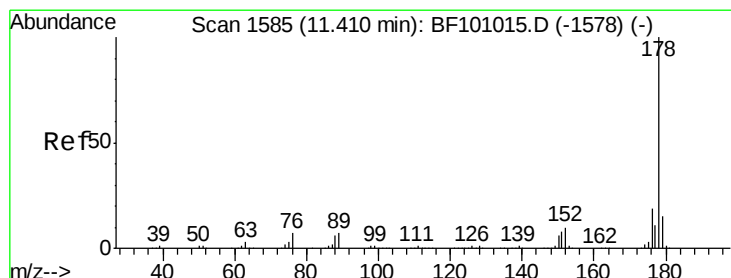
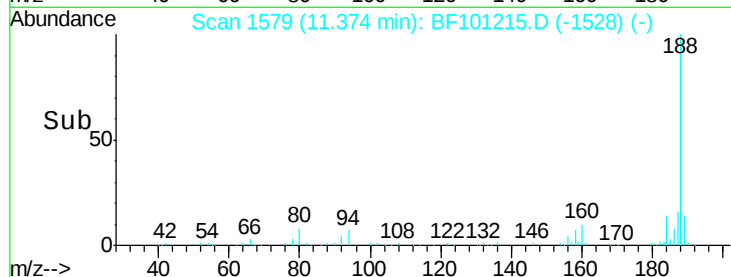
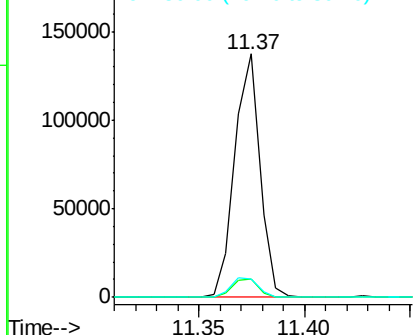
Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.4	8.5	12.7#
80	7.6	9.2	13.8#

Manual Integrations
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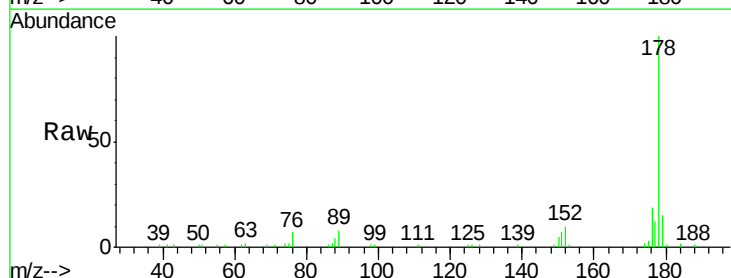


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

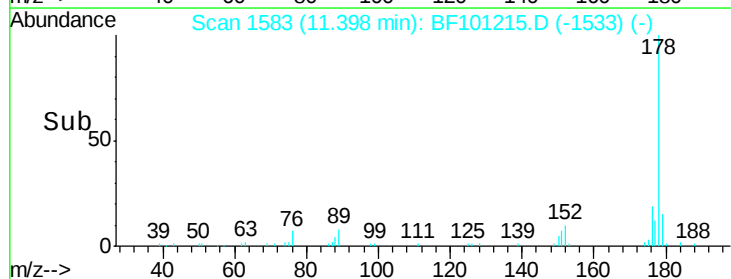
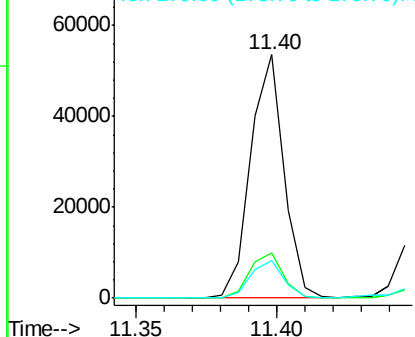


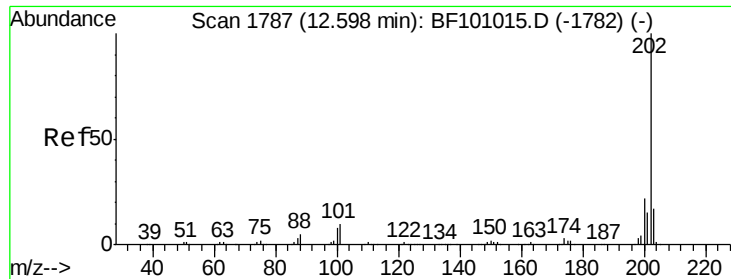
#70
Phenanthrene
Concen: 6.998 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF101215.D
Acq: 7 Dec 2017 19:46

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.5	15.8	23.8
179	15.3	13.0	19.6



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





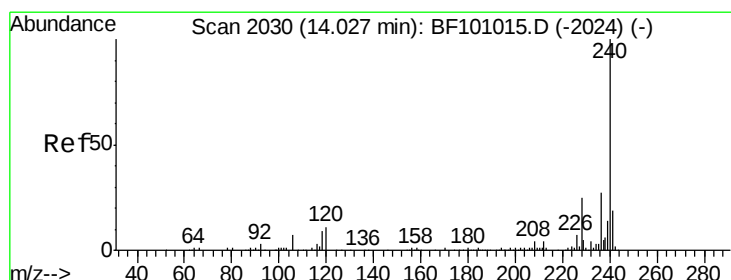
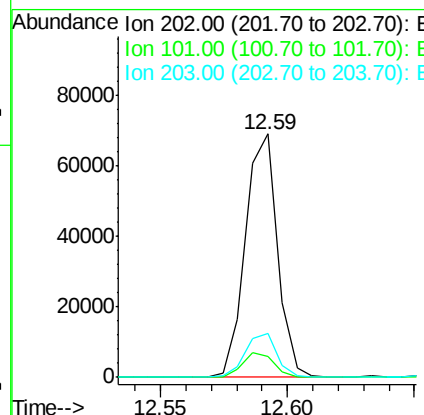
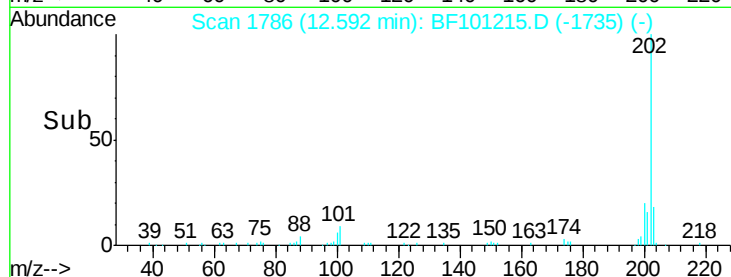
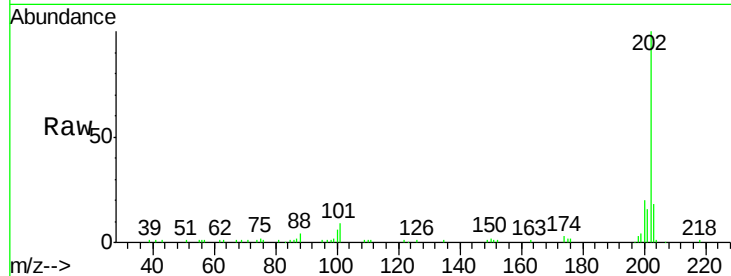
#74
 Fluoranthene
 Concen: 8.754 ng
 RT: 12.59 min Scan# 1786
 Delta R.T. 0.00 min
 Lab File: BF101215.D
 Acq: 7 Dec 2017 19:46

Instrument :
 BNA_F
 ClientSampleId :
 PB-3(0-10)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	60761		
101	8.8	0.0	34.1	
203	17.8	0.0	38.1	

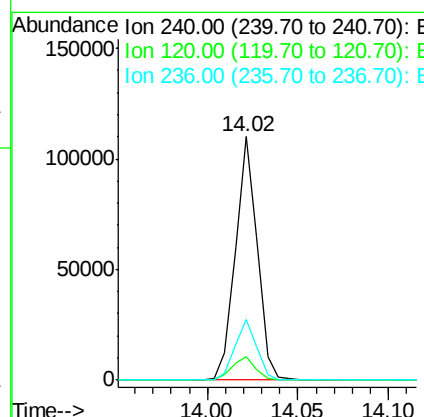
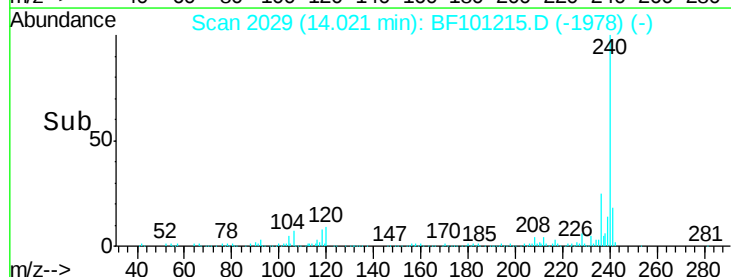
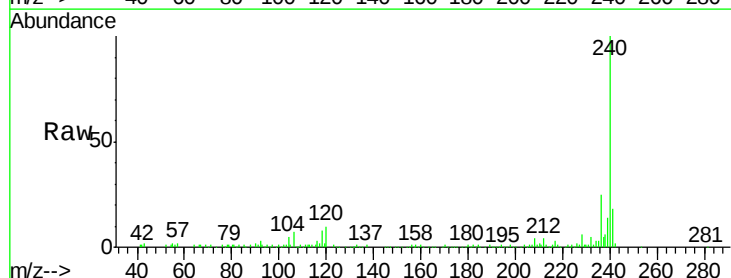
Manual Integrations
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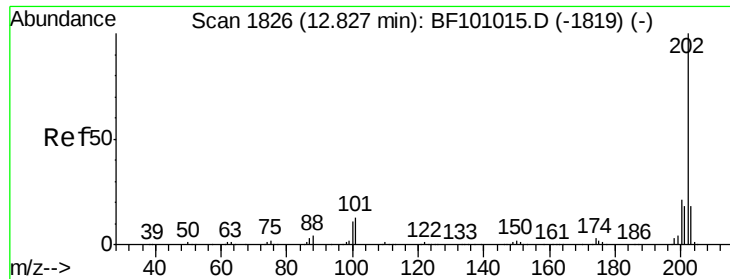
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#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. 0.00 min
 Lab File: BF101215.D
 Acq: 7 Dec 2017 19:46

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	92811		
120	9.7	9.5	14.3	
236	24.8	20.7	31.1	





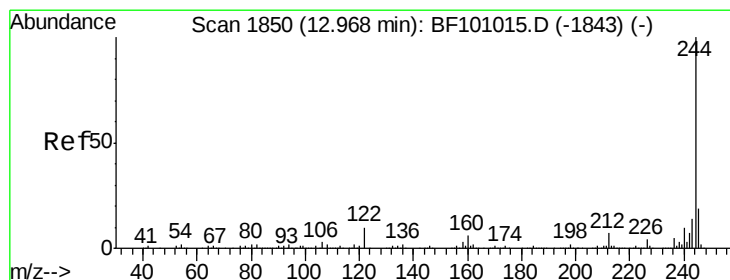
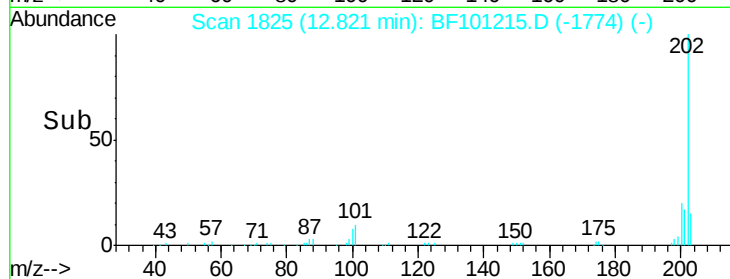
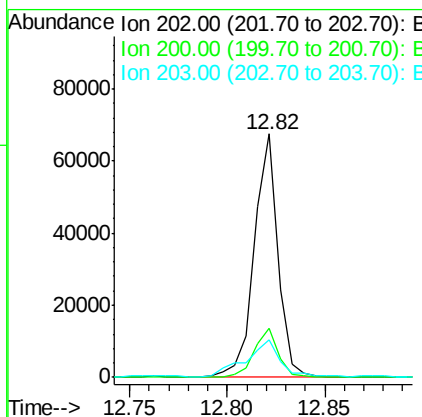
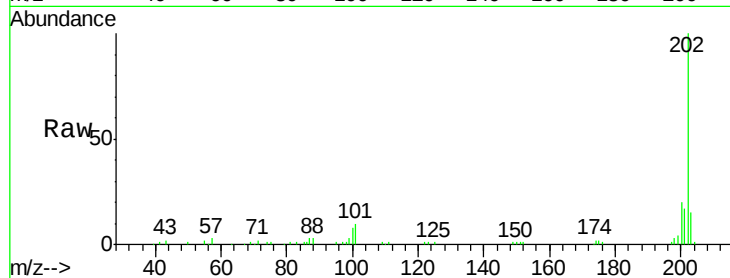
#77
Pvrene
Concen: 8.873 ng
RT: 12.82 min Scan# 1825
Delta R.T. 0.00 min
Lab File: BF101215.D
Acq: 7 Dec 2017 19:46

Instrument :
BNA_F
ClientSampleId :
PB-3(0-10)

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.0	17.4	26.2
203	15.3	14.3	21.5

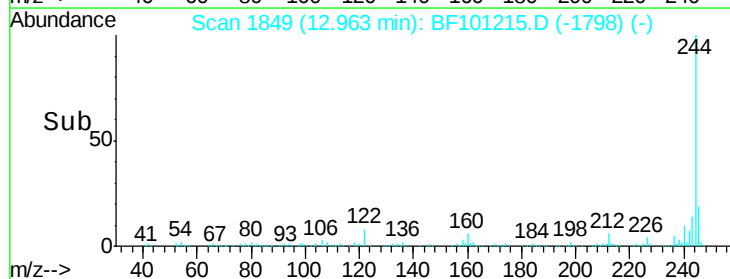
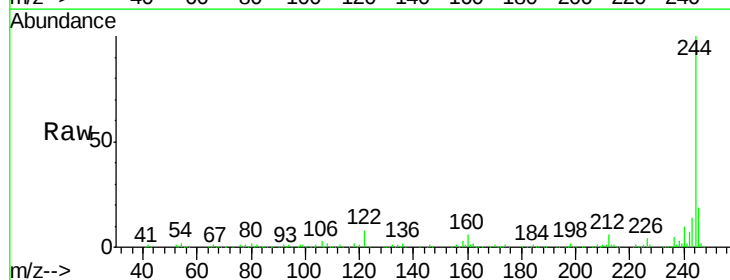
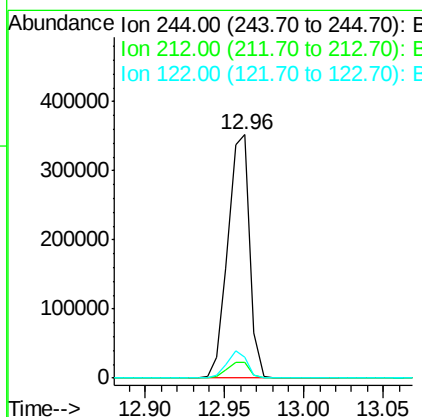
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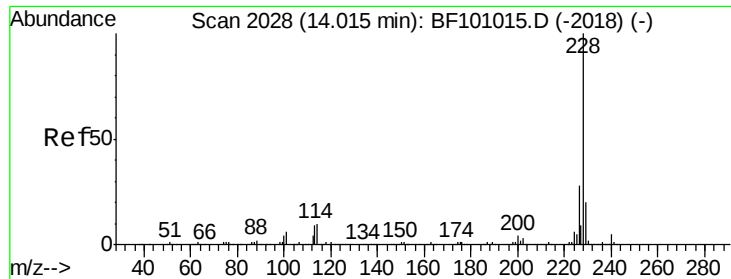
Sohil
12/8/2017 11:12:20 AM



#78
Terphenyl-d14
Concen: 79.102 ng
RT: 12.96 min Scan# 1849
Delta R.T. 0.00 min
Lab File: BF101215.D
Acq: 7 Dec 2017 19:46

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	8.4	11.0	16.4#





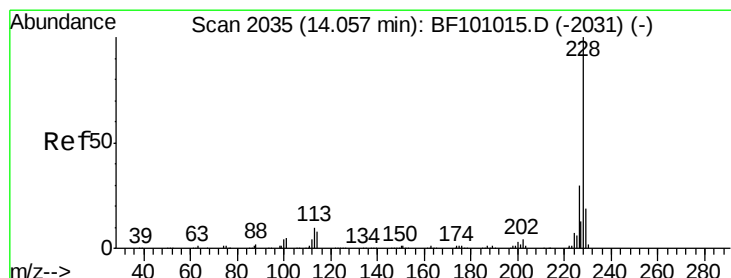
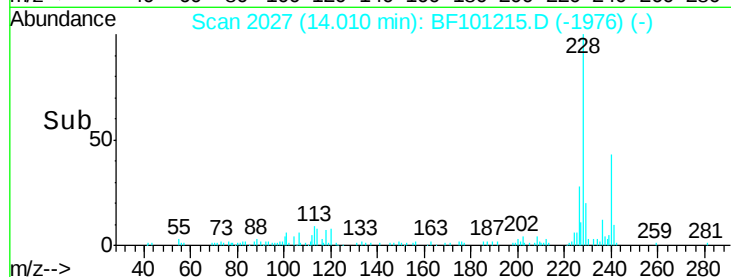
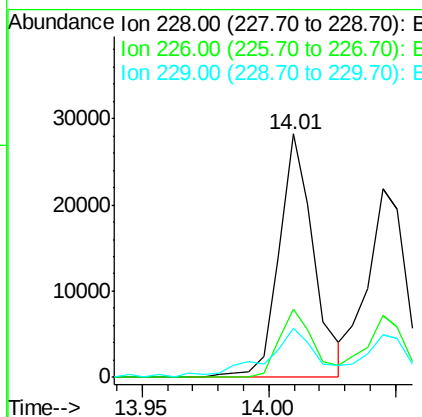
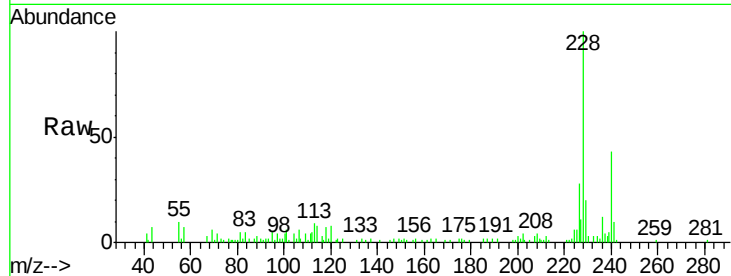
#80
Benzo(a)anthracene
Concen: 4.602 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BF101215.D
Acq: 7 Dec 2017 19:46

Instrument :
BNA_F
ClientSampleId :
PB-3(0-10)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.6	33.8
229	20.2	15.8	23.6

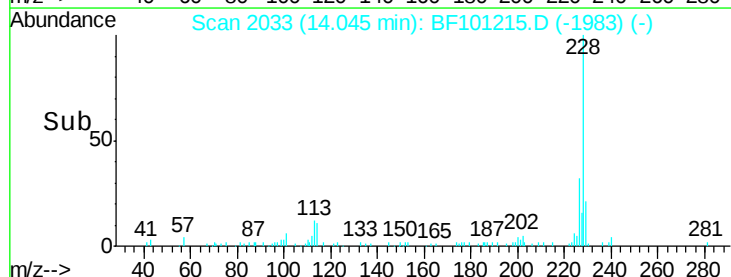
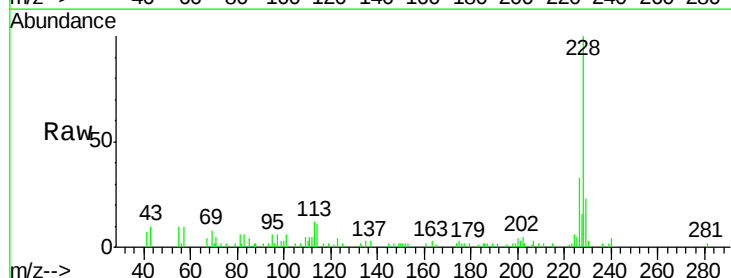
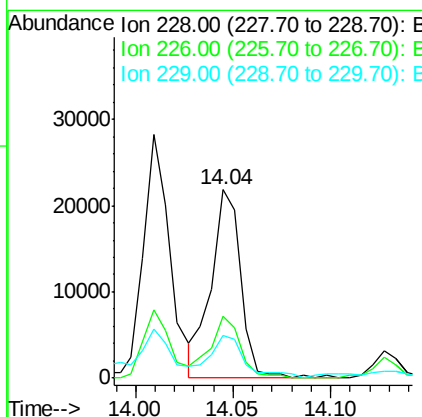
Manual Integrations
APPROVED

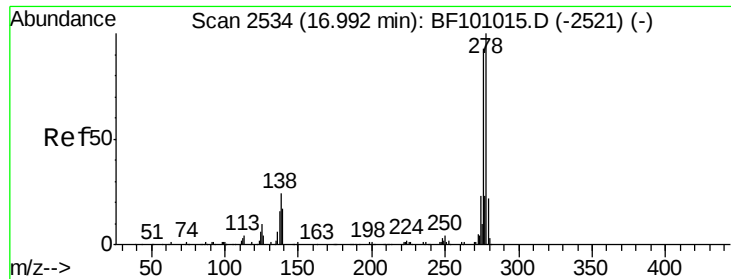
Sohil
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#82
Chrysene
Concen: 4.254 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF101215.D
Acq: 7 Dec 2017 19:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.2	25.0	37.6
229	22.5	16.2	24.4





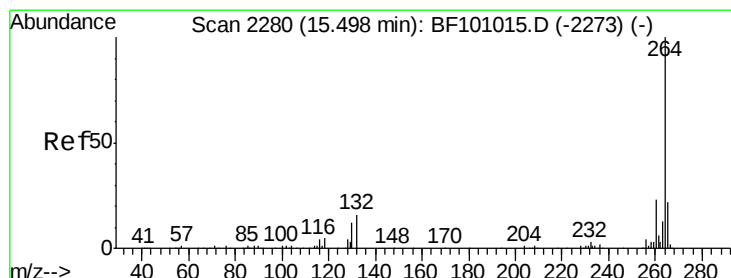
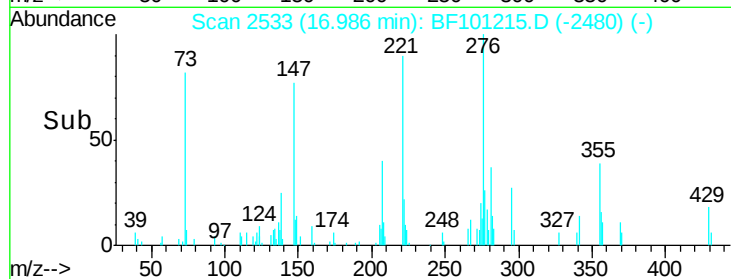
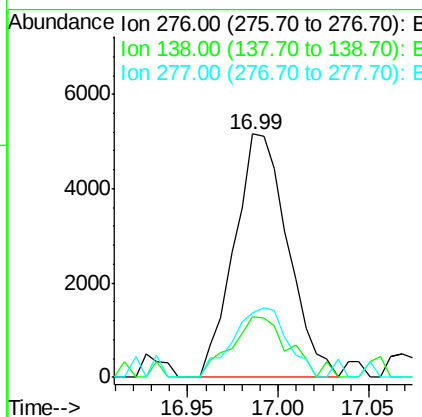
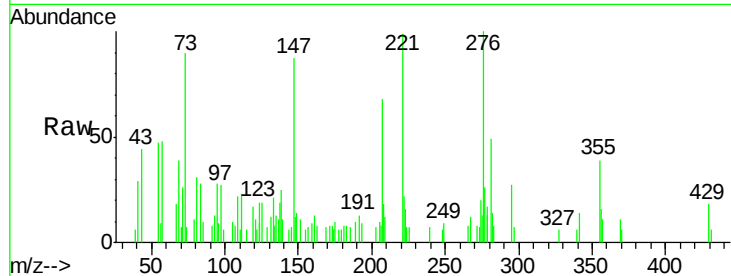
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.185 ng
RT: 16.99 min Scan# 2533
Delta R.T. 0.01 min
Lab File: BF101215.D
Acq: 7 Dec 2017 19:46

Instrument :
BNA_F
ClientSampleId :
PB-3(0-10)

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.8	25.0	37.6
277	29.0	20.1	30.1

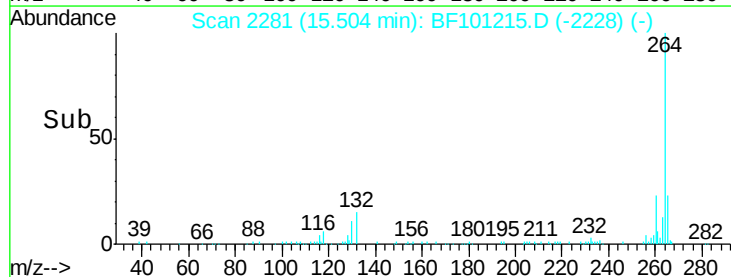
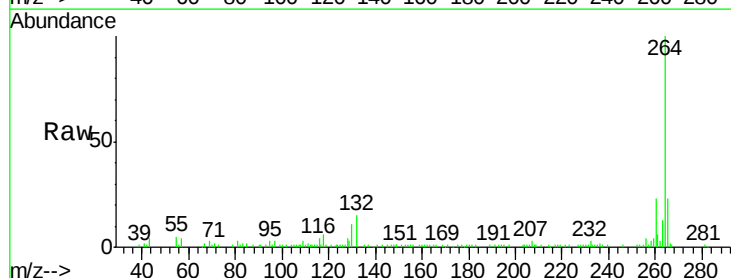
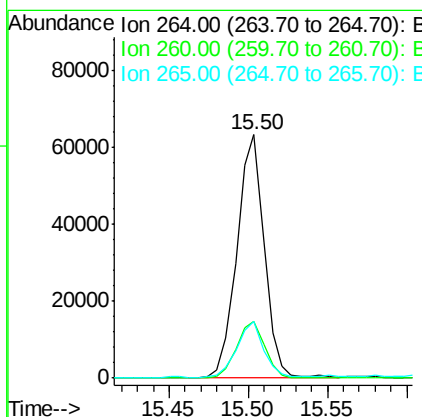
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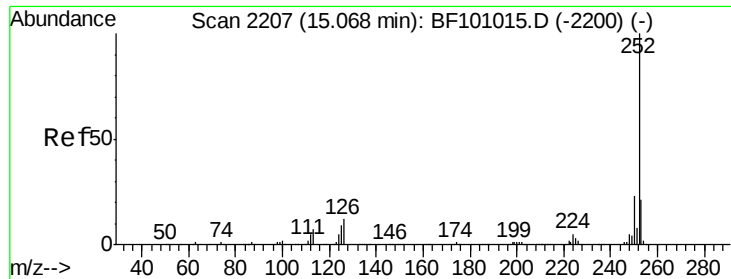
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.01 min
Lab File: BF101215.D
Acq: 7 Dec 2017 19:46

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	23.1	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 5.338 ng

RT: 15.07 min Scan# 2207

Delta R.T. 0.01 min

Lab File: BF101215.D

Acq: 7 Dec 2017 19:46

Instrument :

BNA_F

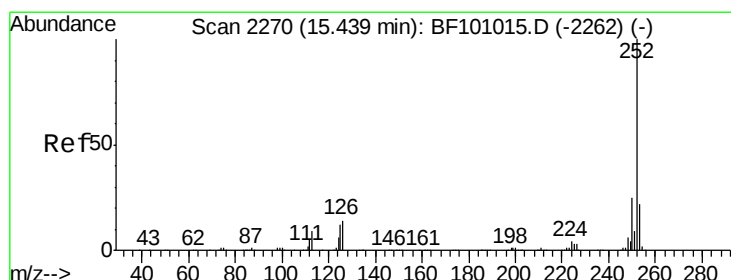
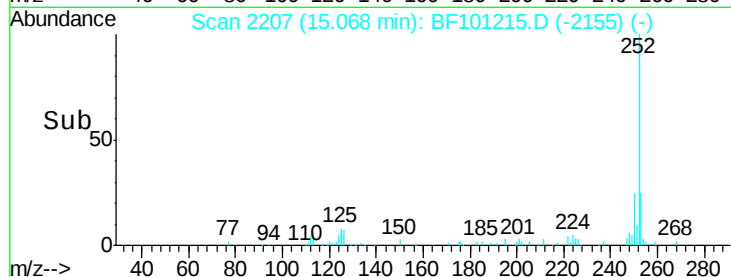
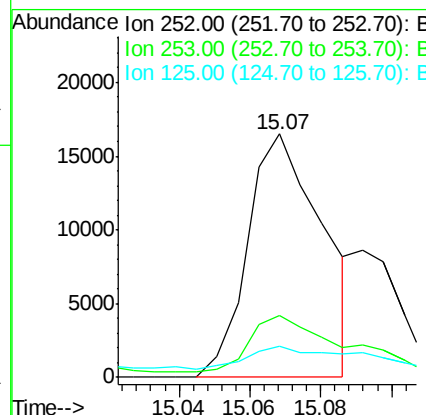
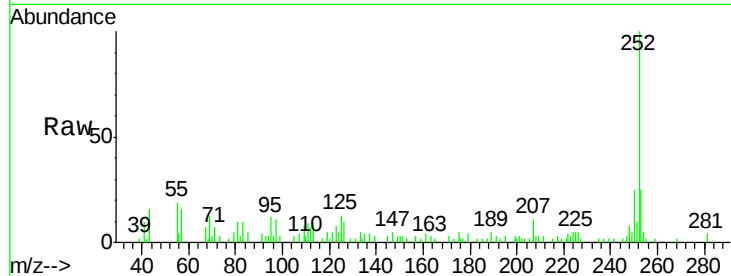
ClientSampleId :

PB-3(0-10)

Tot Ion:	252	Resp:	24302
Ion Ratio	Lower	Upper	
252	100		
253	25.4	17.0	25.6
125	12.6	9.0	13.6

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 4.226 ng

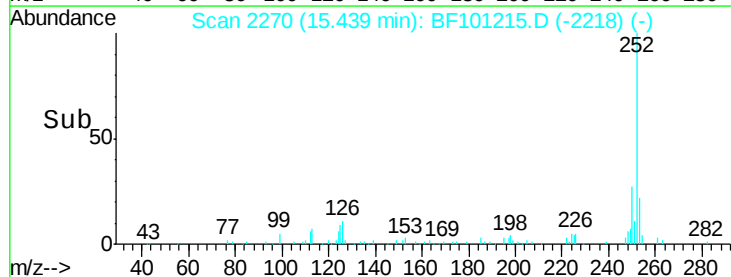
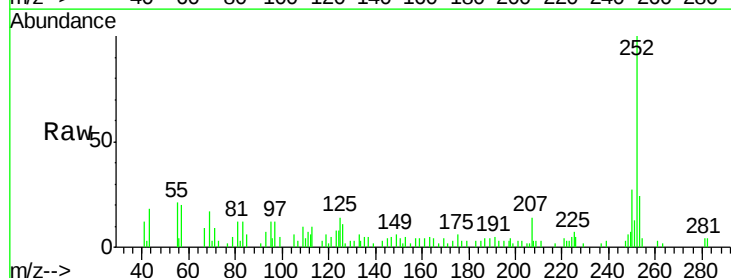
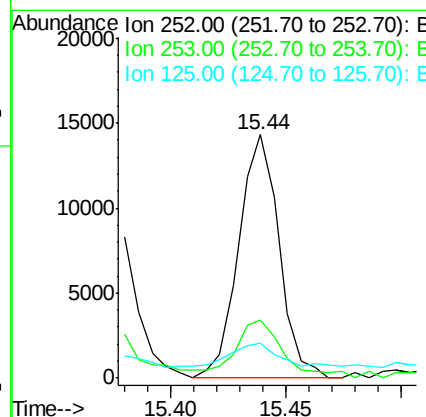
RT: 15.44 min Scan# 2270

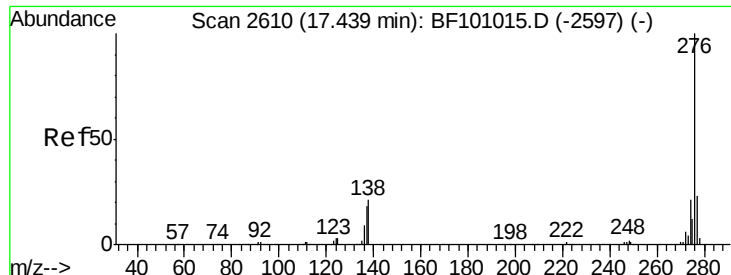
Delta R.T. 0.01 min

Lab File: BF101215.D

Acq: 7 Dec 2017 19:46

Tgt Ion:	252	Resp:	17491
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.1	25.7
125	14.1	9.8	14.6





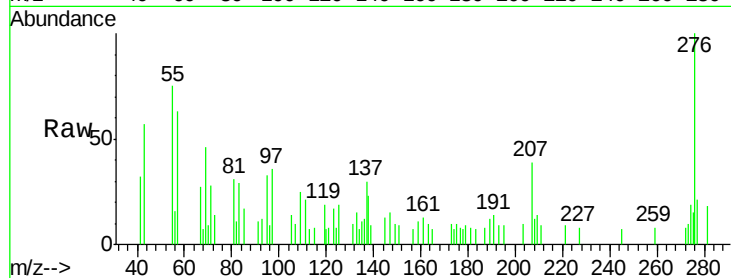
#91
 Benzo(a,h,i)perylene
 Concen: 2.876 ng
 RT: 17.44 min Scan# 2610
 Delta R.T. 0.01 min
 Lab File: BF101215.D
 Acq: 7 Dec 2017 19:46

Instrument :
 BNA_F
 ClientSampleId :
 PB-3(0-10)

Tot Ion	Ratio	Lower	Upper
276	100		
277	20.8	17.9	26.9
138	23.1	21.8	32.8

Manual Integrations
 APPROVED

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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

