

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120717\
 Data File : BF101217.D
 Acq On : 7 Dec 2017 20:40
 Operator : SJ/JU
 Sample : I6615-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB-2-OW(0-10)

Manual Integrations
 APPROVED

Sohil
 12/8/2017 11:12:25 AM

Quant Time: Dec 08 00:38:45 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	44542	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	160244	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	65127	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	112053	20.00	ng	0.00
75) Chrysene-d12	14.02	240	92476	20.00	ng	0.00
86) Perylene-d12	15.50	264	72949	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	305336	113.28	ng	0.00
7) Phenol-d6	6.49	99	359355	109.81	ng	0.00
23) Nitrobenzene-d5	7.41	82	199172	74.14	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	74337	95.02	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	410863	86.31	ng	-0.01
78) Terphenyl-d14	12.96	244	342711	81.06	ng	0.00
Target Compounds						
10) Phenol	6.49	94	13977	3.841	ng	# 56
49) Dimethylphthalate	9.59	163	18727	3.565	ng	# 95
70) Phenanthrene	11.40	178	40635	6.585	ng	97
74) Fluoranthene	12.59	202	68965	10.082	ng	93
77) Pyrene	12.82	202	67667	10.604	ng	100
80) Benzo(a)anthracene	14.01	228	31619	5.415	ng	96
82) Chrysene	14.05	228	28237	5.207	ng	99
83) Bis(2-ethylhexyl)phthalate	13.98	149	8550	2.131	ng	# 93
87) Benzo(b)fluoranthene	15.07	252	32499m	7.438	ng	
89) Benzo(a)pyrene	15.44	252	22263	5.604	ng	95
91) Benzo(g,h,i)perylene	17.44	276	14028	4.250	ng	# 85

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

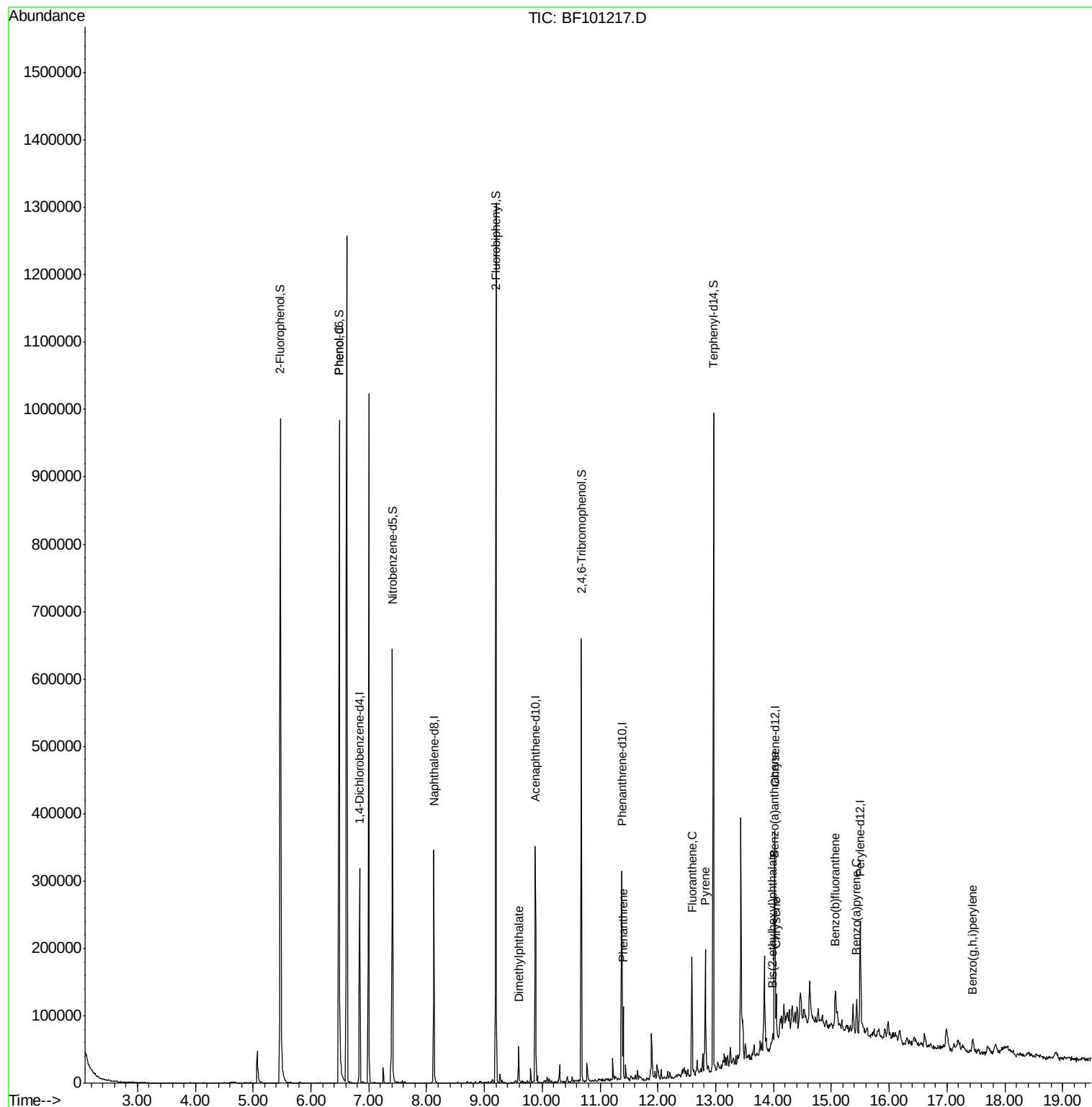
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120717\
Data File : BF101217.D
Acq On : 7 Dec 2017 20:40
Operator : SJ/JU
Sample : I6615-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

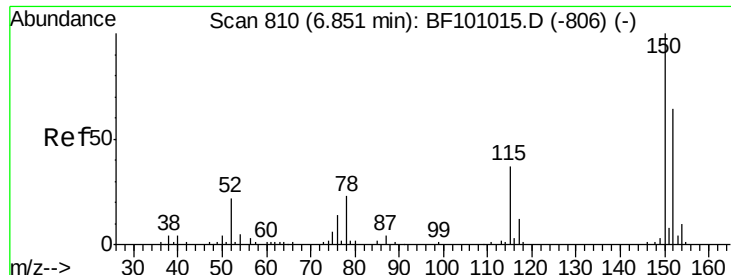
Instrument :
BNA_F
ClientSampleId :
PB-2-OW(0-10)

Manual Integrations
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Response via : Initial Calibration





#1

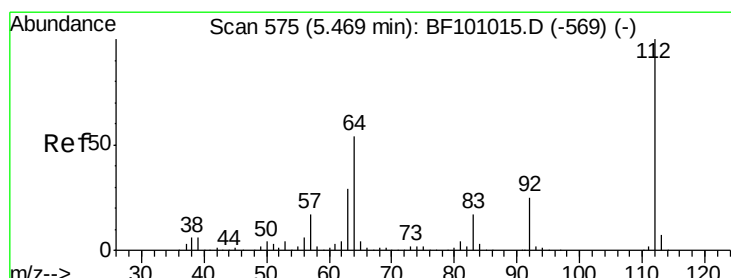
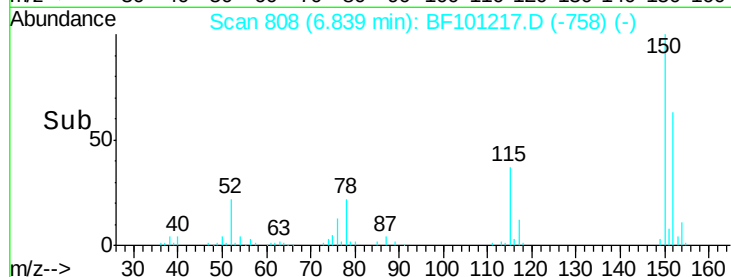
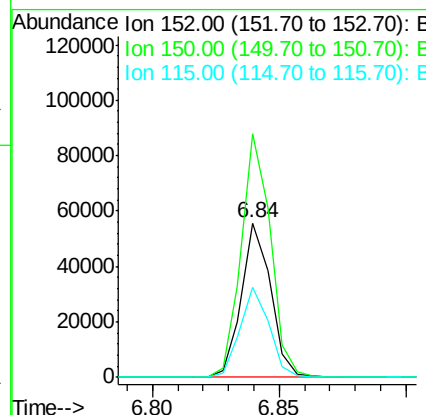
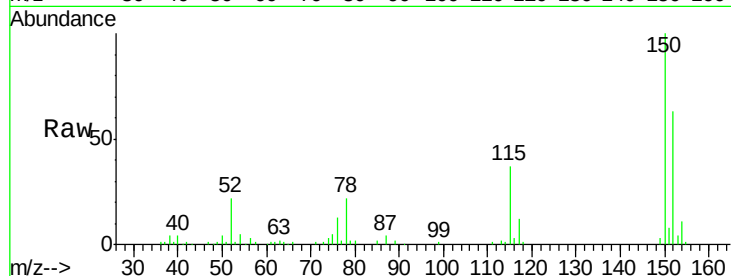
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF101217.D
Acq: 7 Dec 2017 20:40

Instrument :
BNA_F
ClientSampleId :
PB-2-OW(0-10)

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	124.6	186.8
115	58.4	50.1	75.1

Manual Integrations
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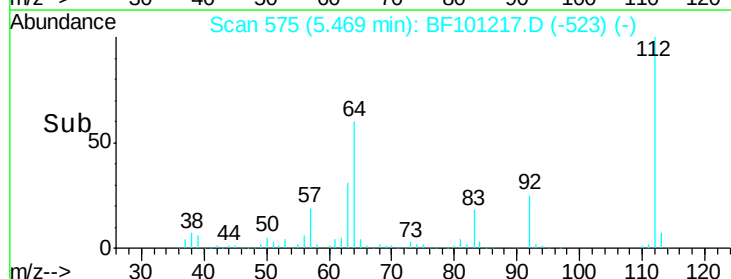
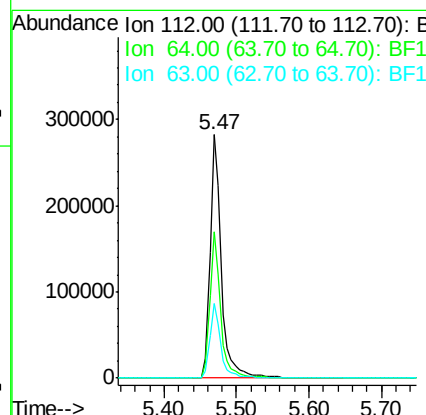
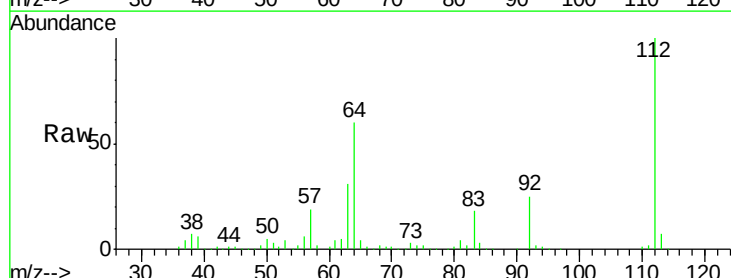
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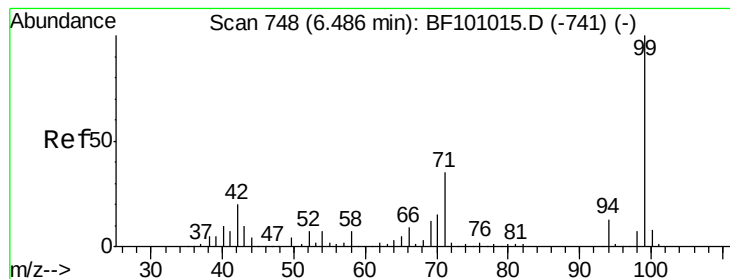


#5

2-Fluorophenol
Concen: 113.275 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF101217.D
Acq: 7 Dec 2017 20:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.4	47.9	71.9
63	30.9	23.7	35.5





#7

Phenol-d6

Concen: 109.806 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.01 min

Lab File: BF101217.D

Acq: 7 Dec 2017 20:40

Instrument :

BNA_F

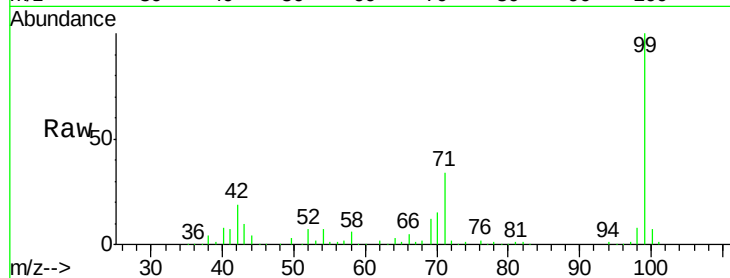
ClientSampleId :

PB-2-OW(0-10)

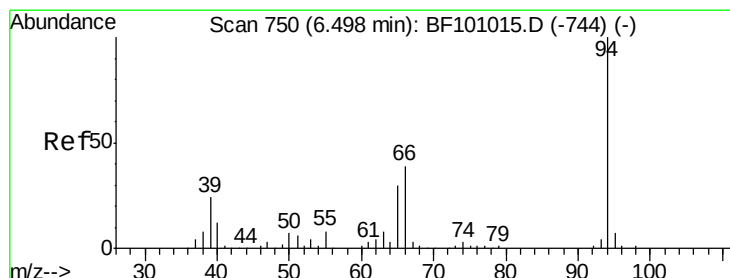
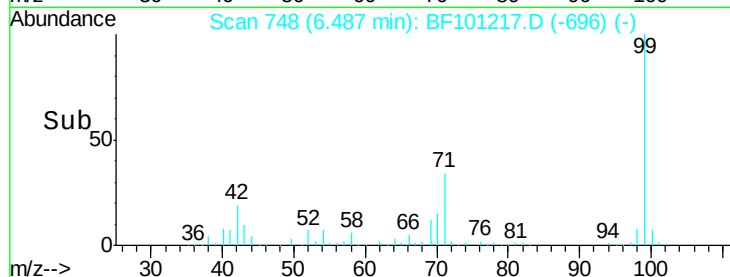
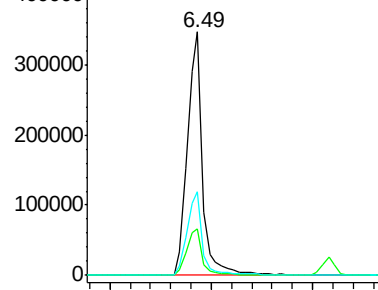
Tot Ion:	99	Resp:	359355
Ion Ratio	Lower	Upper	
99	100		
42	19.2	14.5	21.7
71	34.4	25.4	38.0

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.841 ng

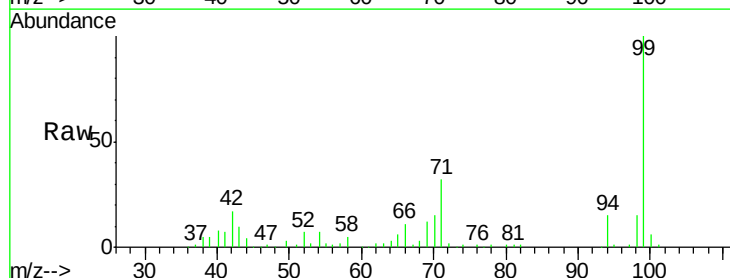
RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

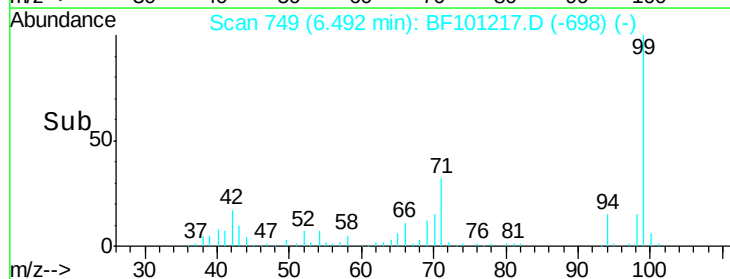
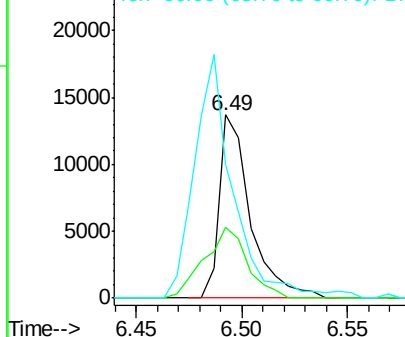
Lab File: BF101217.D

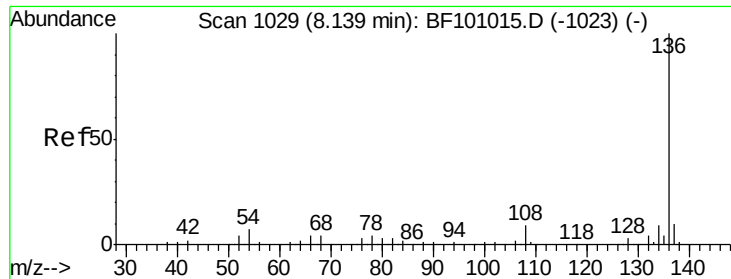
Acq: 7 Dec 2017 20:40

Tgt Ion:	94	Resp:	13977
Ion Ratio	Lower	Upper	
94	100		
65	38.8	7.9	47.9
66	72.8	16.2	56.2#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





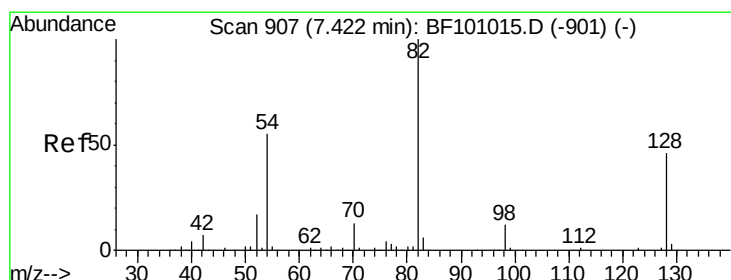
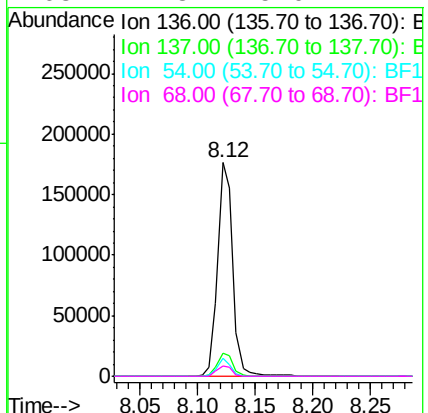
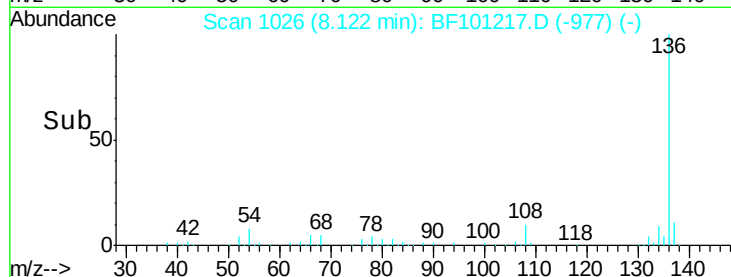
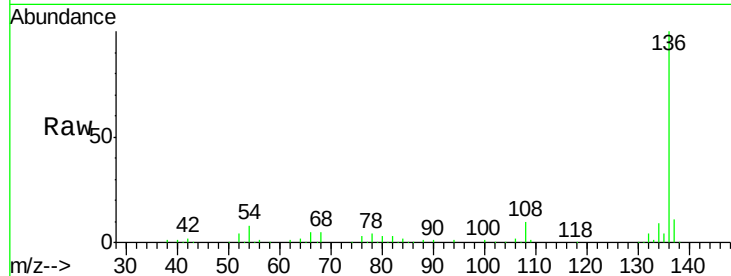
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF101217.D
Acq: 7 Dec 2017 20:40

Instrument :
BNA_F
ClientSampleId :
PB-2-OW(0-10)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		160244		
137	10.7	8.9	13.3		
54	8.3	6.6	9.8		
68	4.8	5.0	7.4		

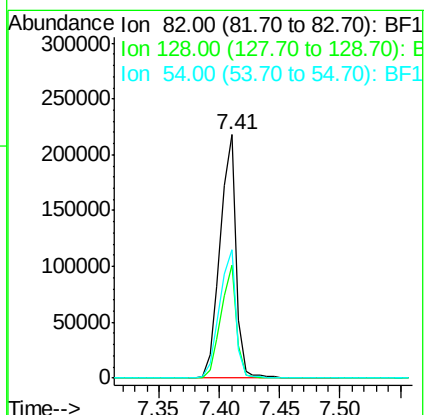
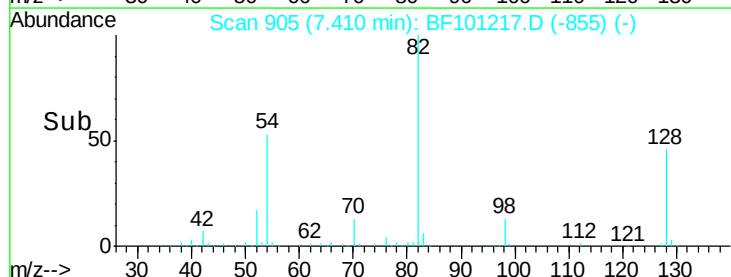
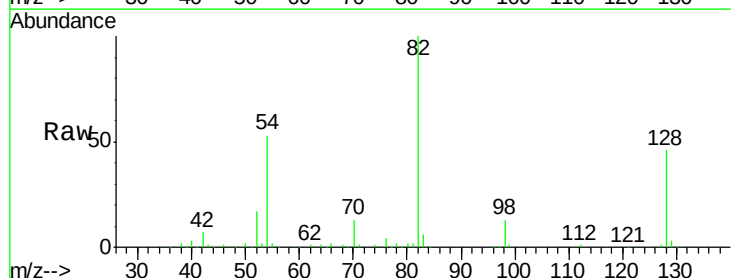
Manual Integrations
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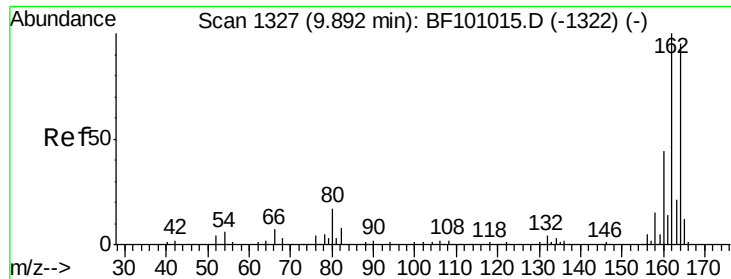
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#23
Nitrobenzene-d5
Concen: 74.145 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF101217.D
Acq: 7 Dec 2017 20:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		199172		
128	46.3	36.1	54.1		
54	52.6	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: BF101217.D

Acq: 7 Dec 2017 20:40

Instrument :

BNA_F

ClientSampleId :

PB-2-OW(0-10)

Tot Ion:164 Resp: 65127

Ion Ratio Lower Upper

164 100

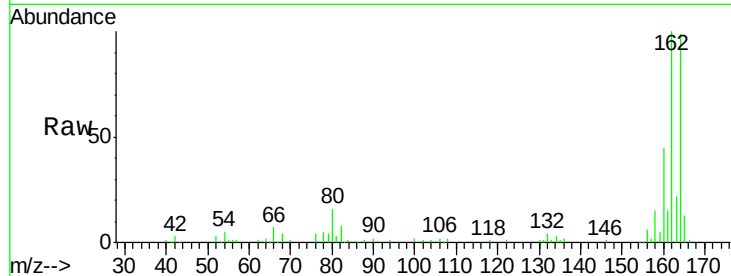
162 101.5 86.1 129.1

160 45.9 38.3 57.5

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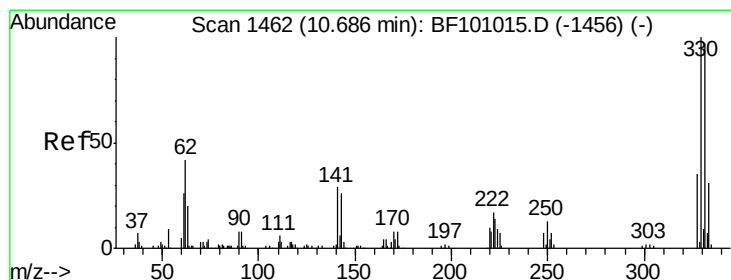
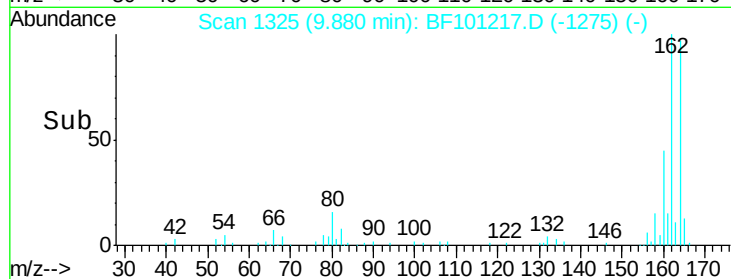
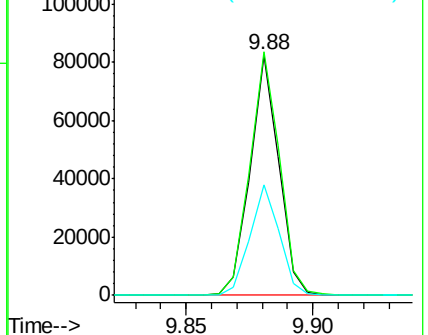
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 95.016 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.01 min

Lab File: BF101217.D

Acq: 7 Dec 2017 20:40

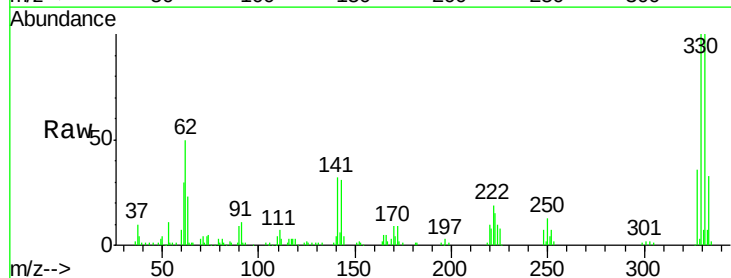
Tgt Ion:330 Resp: 74337

Ion Ratio Lower Upper

330 100

332 98.1 77.0 115.6

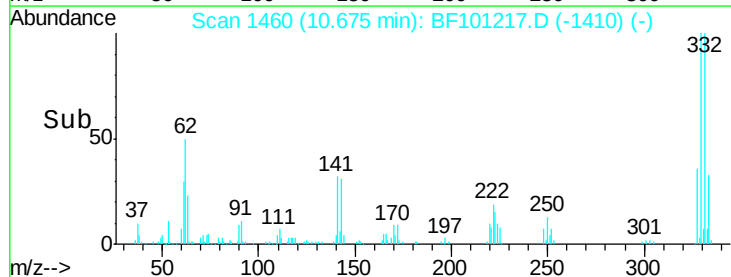
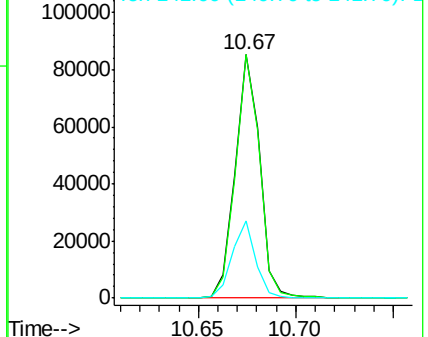
141 30.5 29.9 44.9

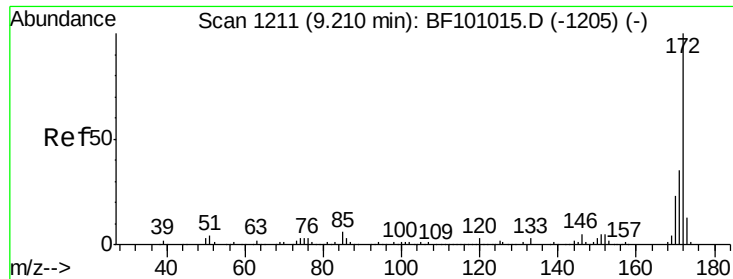


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





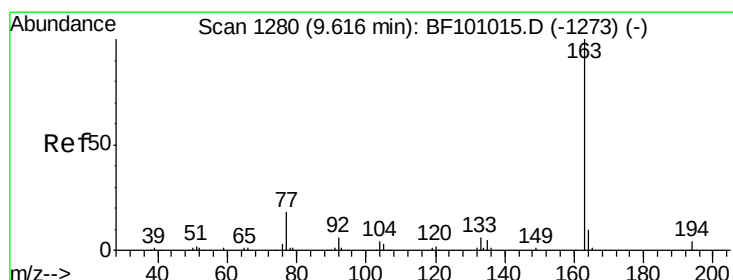
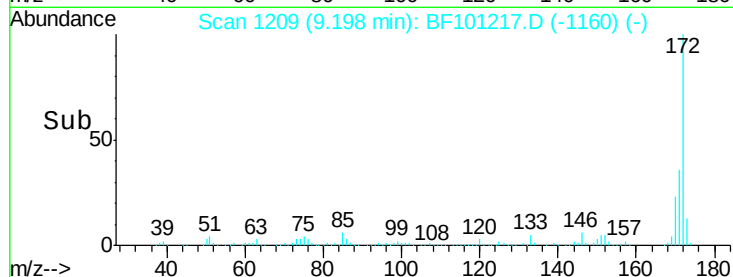
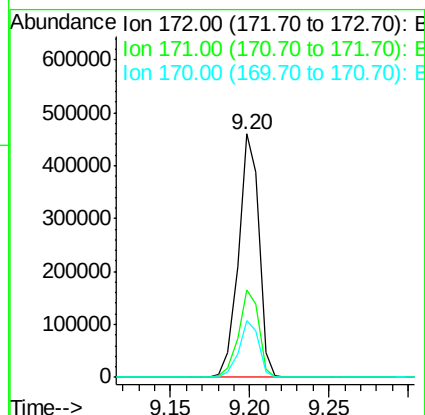
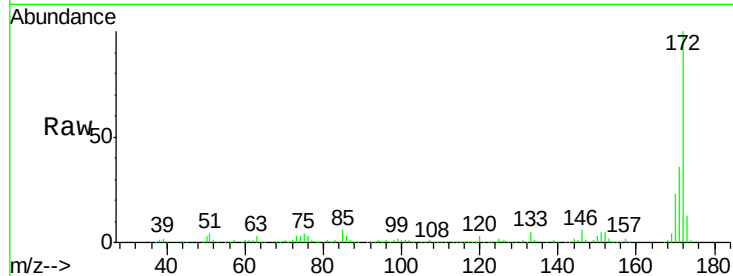
#44
2-Fluorobiphenyl
Concen: 86.315 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BF101217.D
Acq: 7 Dec 2017 20:40

Instrument :
BNA_F
ClientSampleId :
PB-2-OW(0-10)

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	23.4	19.6	29.4

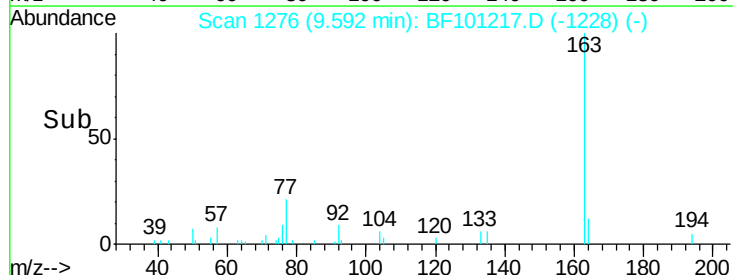
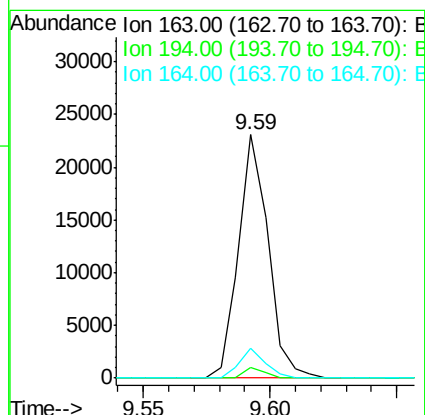
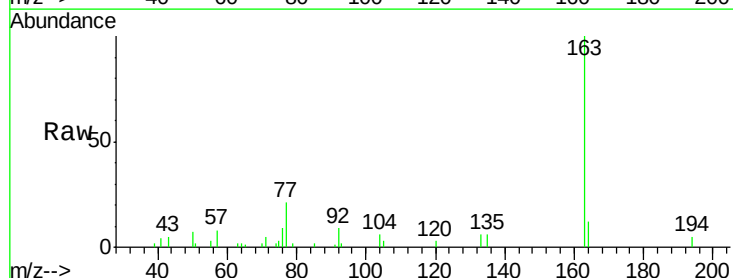
Manual Integrations
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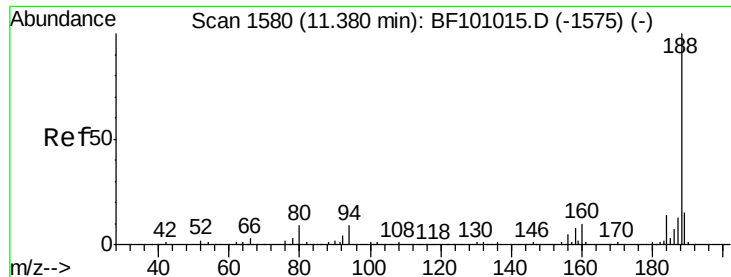
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#49
Dimethylphthalate
Concen: 3.565 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF101217.D
Acq: 7 Dec 2017 20:40

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.6	2.7	4.1#
164	12.0	8.2	12.2





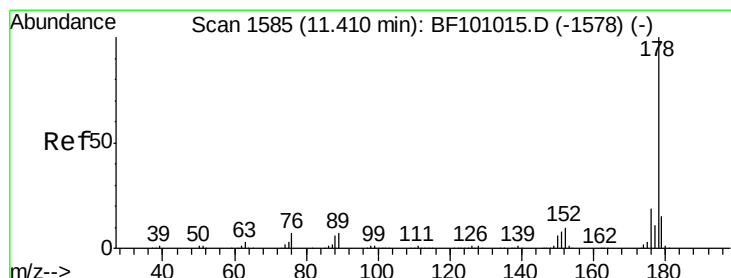
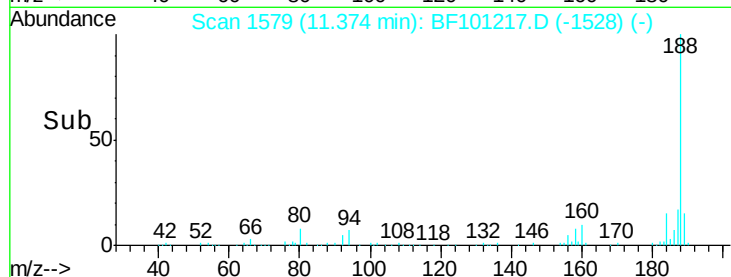
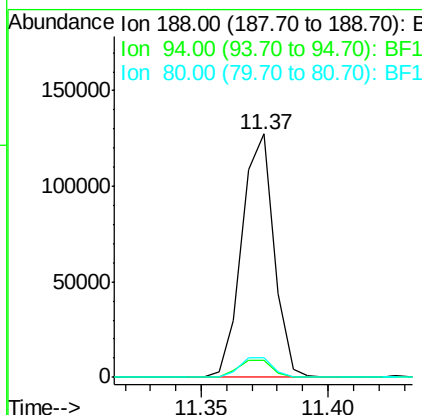
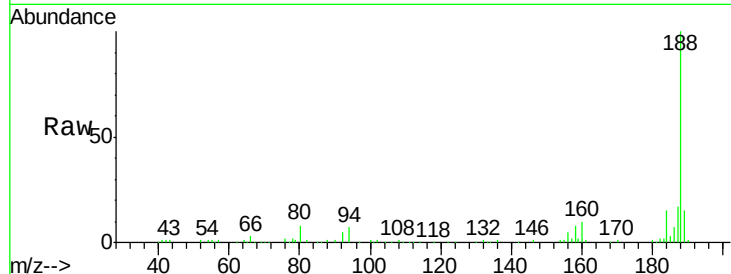
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.00 min
Lab File: BF101217.D
Acq: 7 Dec 2017 20:40

Instrument :
BNA_F
ClientSampleId :
PB-2-OW(0-10)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	6.8	8.5	12.7#
80	8.3	9.2	13.8#

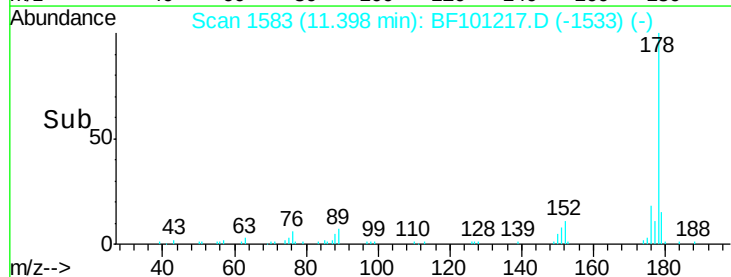
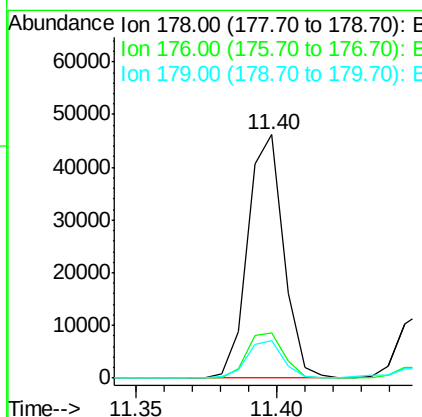
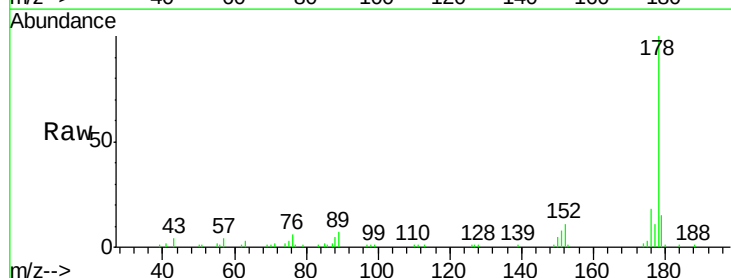
Manual Integrations
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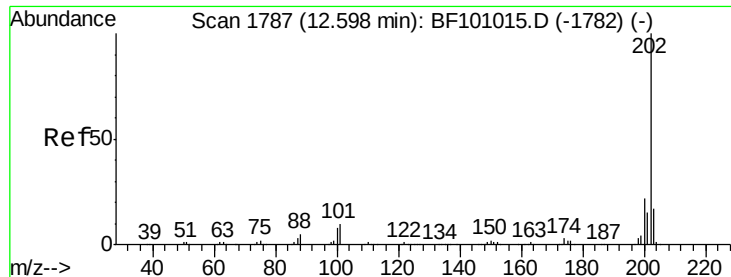
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#70
Phenanthrene
Concen: 6.585 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF101217.D
Acq: 7 Dec 2017 20:40

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.4	15.8	23.8
179	15.5	13.0	19.6





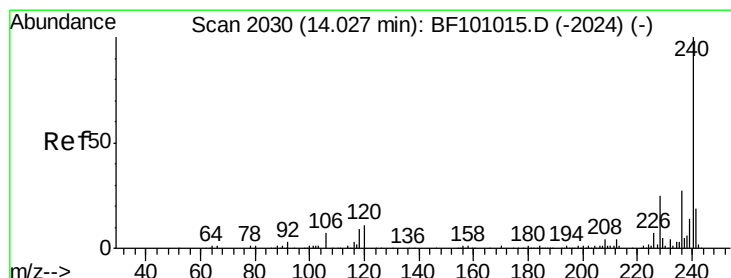
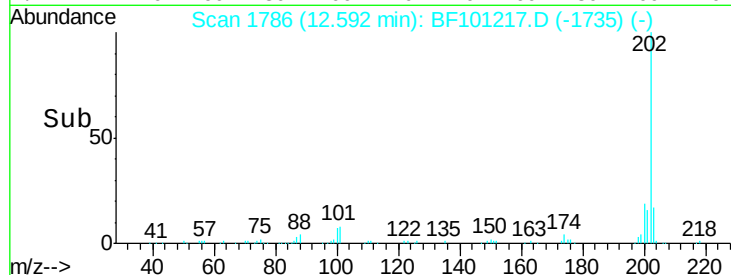
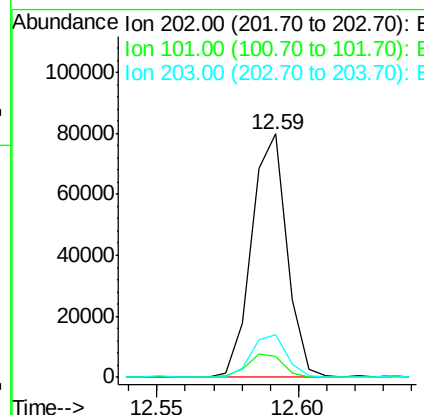
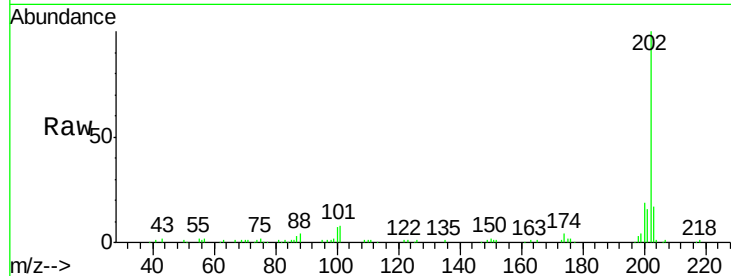
#74
Fluoranthene
Concen: 10.082 ng
RT: 12.59 min Scan# 1786
Delta R.T. 0.00 min
Lab File: BF101217.D
Acq: 7 Dec 2017 20:40

Instrument :
BNA_F
ClientSampled :
PB-2-OW(0-10)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	8.4	0.0	34.1
203	17.5	0.0	38.1

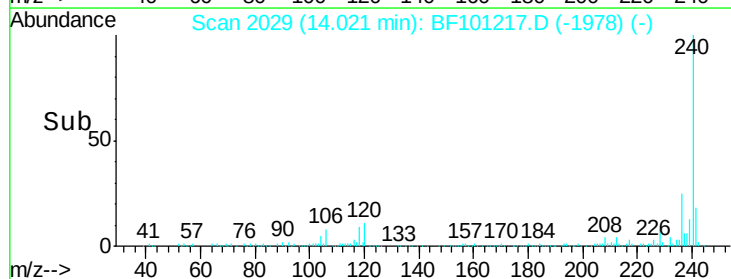
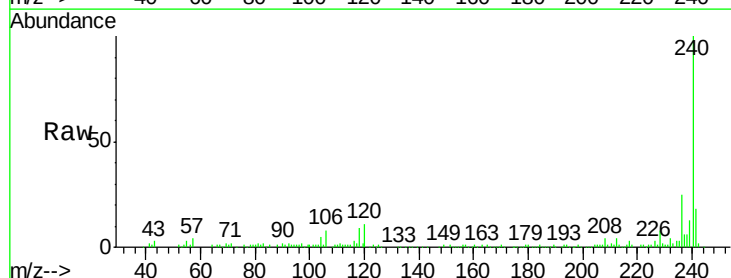
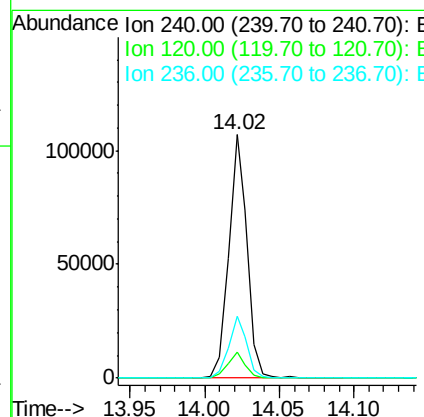
Manual Integrations
APPROVED

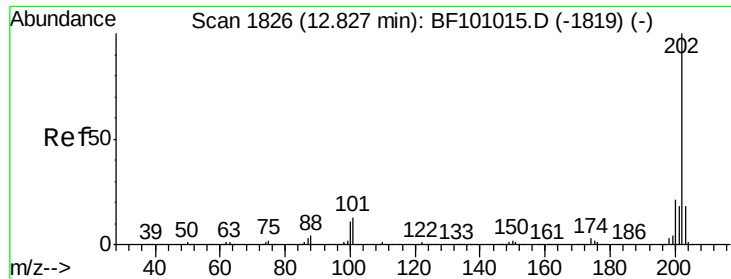
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#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. 0.00 min
Lab File: BF101217.D
Acq: 7 Dec 2017 20:40

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.8	9.5	14.3
236	25.1	20.7	31.1





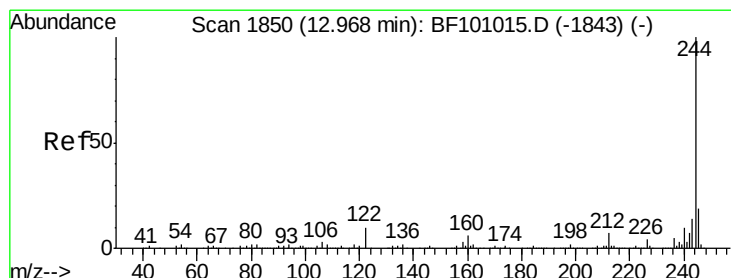
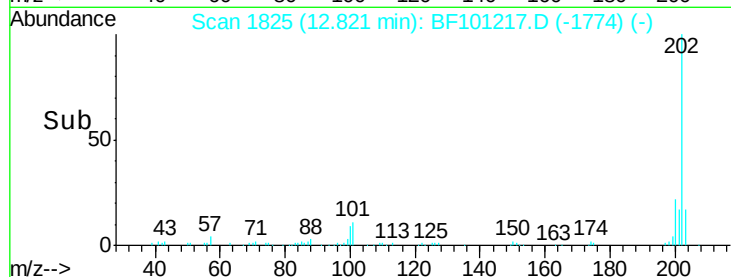
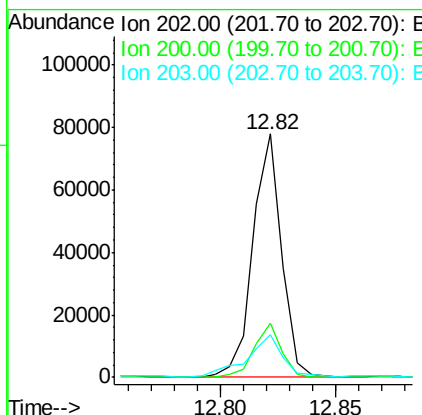
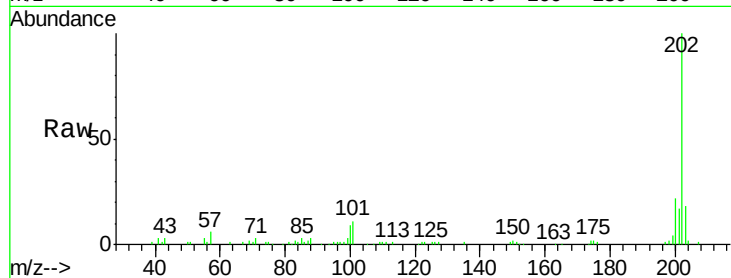
#77
Pvrene
Concen: 10.604 ng
RT: 12.82 min Scan# 1825
Delta R.T. 0.00 min
Lab File: BF101217.D
Acq: 7 Dec 2017 20:40

Instrument :
BNA_F
ClientSampleId :
PB-2-OW(0-10)

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.4	26.2
203	17.7	14.3	21.5

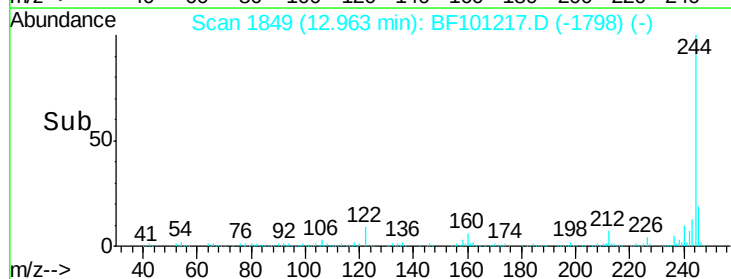
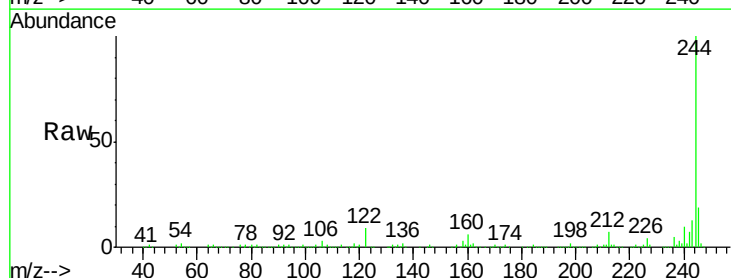
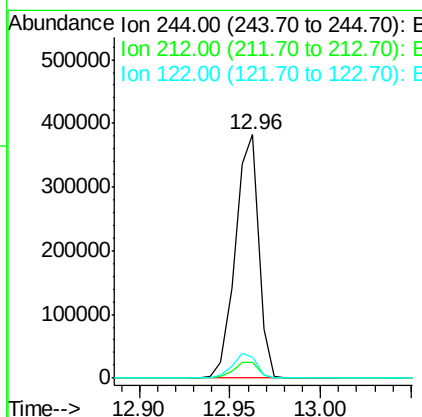
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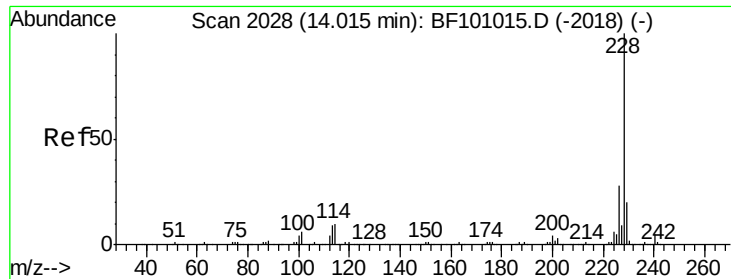
Sohil
12/8/2017 11:12:25 AM



#78
Terphenyl-d14
Concen: 81.059 ng
RT: 12.96 min Scan# 1849
Delta R.T. 0.00 min
Lab File: BF101217.D
Acq: 7 Dec 2017 20:40

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	8.8	11.0	16.4#





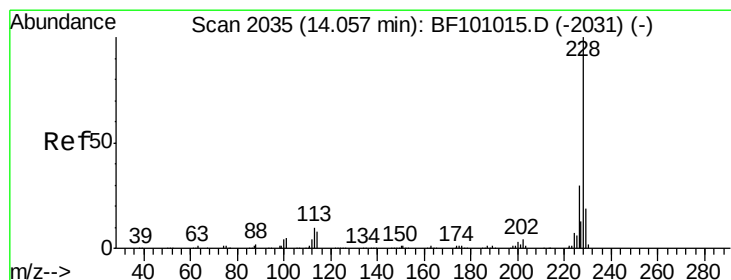
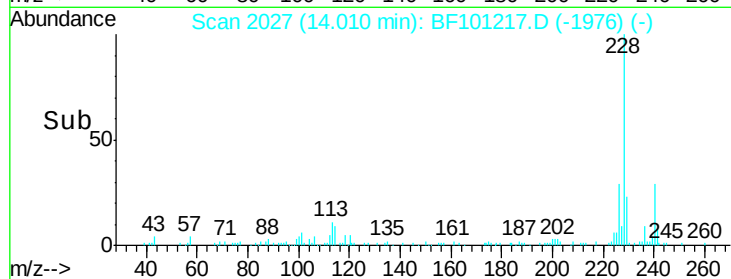
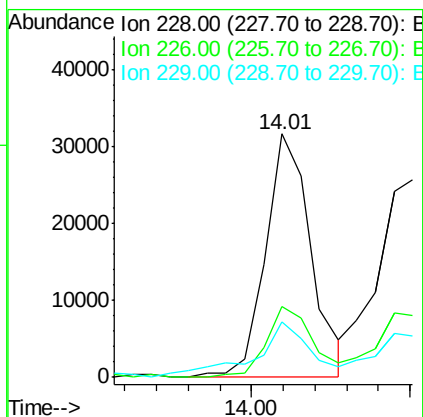
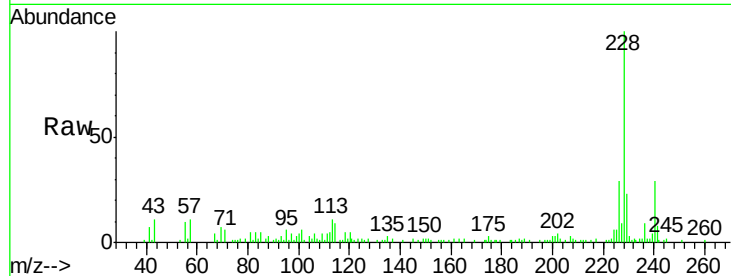
#80
Benzo(a)anthracene
Concen: 5.415 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BF101217.D
Acq: 7 Dec 2017 20:40

Instrument :
BNA_F
ClientSampleId :
PB-2-OW(0-10)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.6	33.8
229	22.8	15.8	23.6

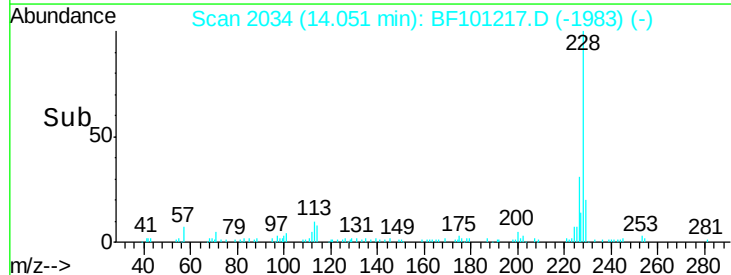
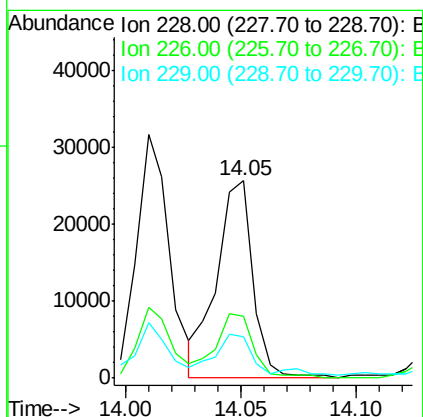
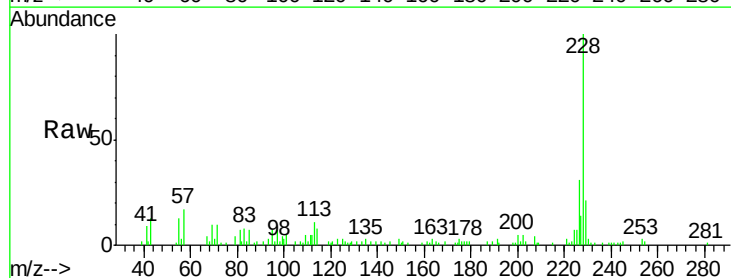
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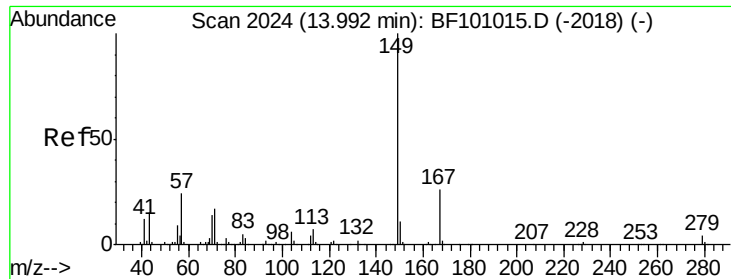
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#82
Chrysene
Concen: 5.207 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.00 min
Lab File: BF101217.D
Acq: 7 Dec 2017 20:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.0	37.6
229	21.1	16.2	24.4





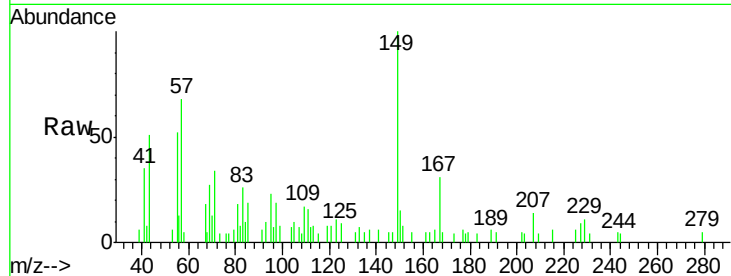
#83
Bis(2-ethylhexyl)phthalate
Concen: 2.131 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF101217.D
Acq: 7 Dec 2017 20:40

Instrument :
BNA_F
ClientSampleId :
PB-2-OW(0-10)

Tot Ion	Ratio	Lower	Upper
149	100		
167	30.6	21.3	31.9
279	4.5	3.0	4.4

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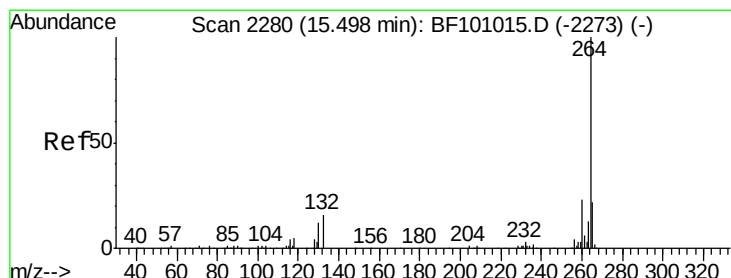
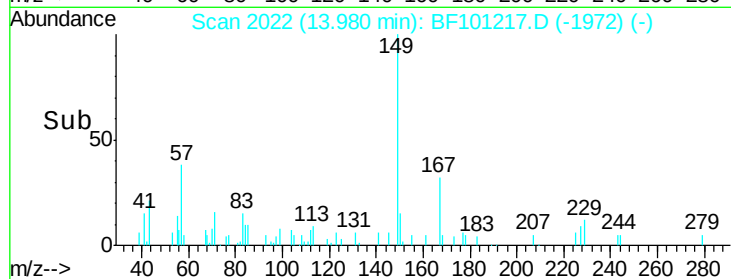
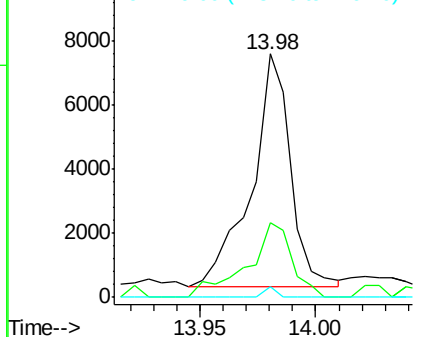


Abundance

Ion 149.00 (148.70 to 149.70): E

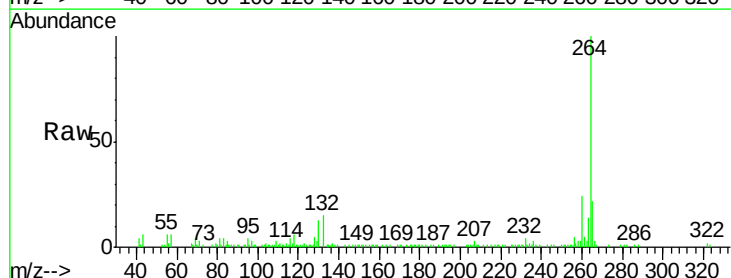
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.01 min
Lab File: BF101217.D
Acq: 7 Dec 2017 20:40

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.7	17.5	26.3

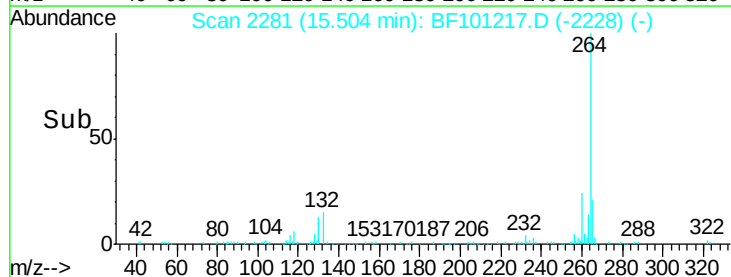
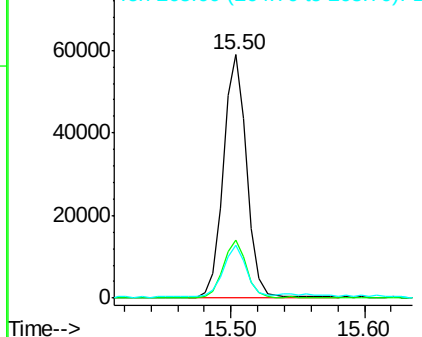


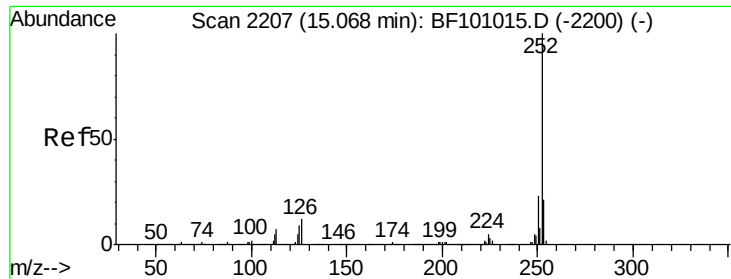
Abundance

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





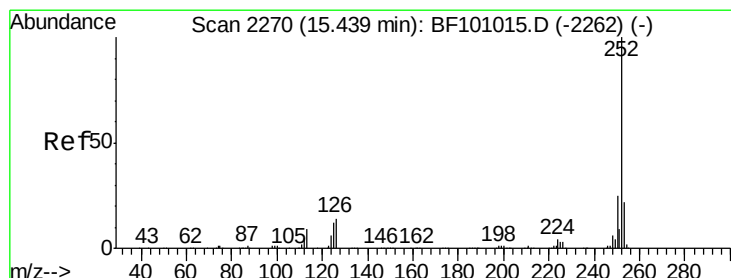
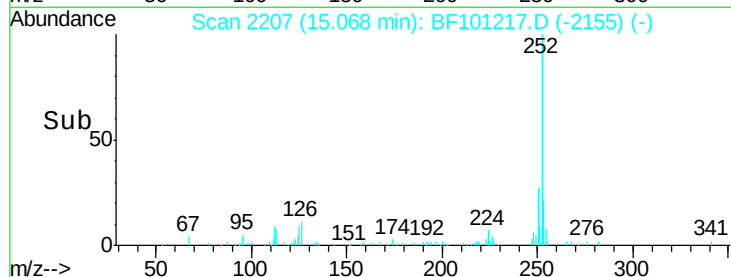
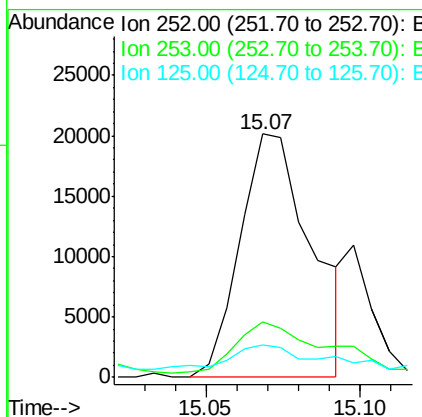
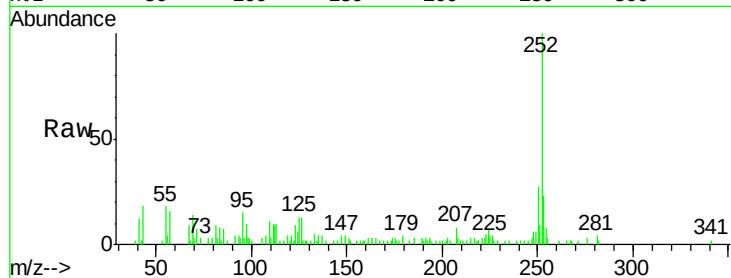
#87
Benzo(b)fluoranthene
Concen: 7.438 ng m
RT: 15.07 min Scan# 2207
Delta R.T. 0.01 min
Lab File: BF101217.D
Acq: 7 Dec 2017 20:40

Instrument :
BNA_F
ClientSampleId :
PB-2-OW(0-10)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	13.4	9.0	13.6

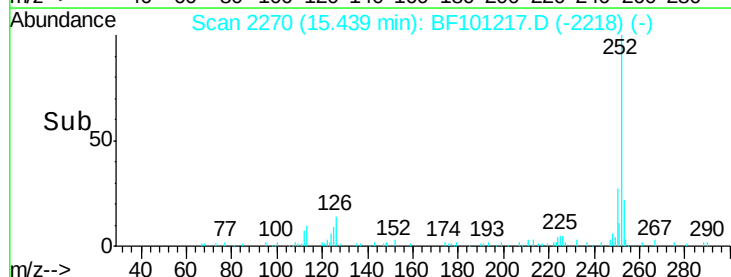
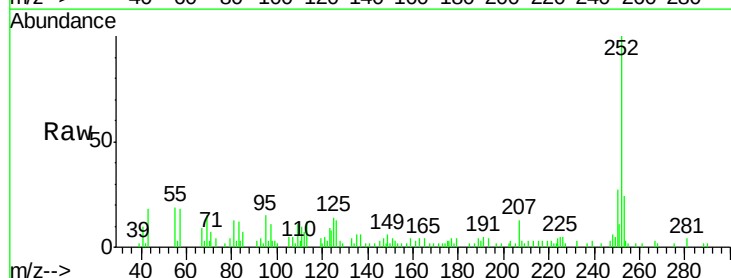
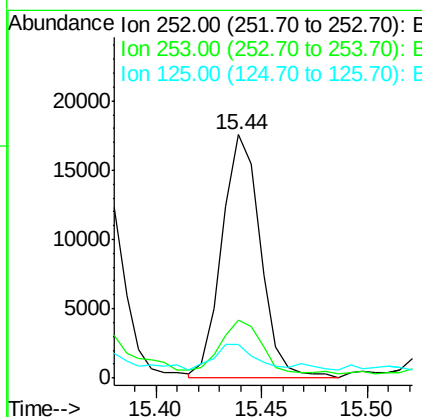
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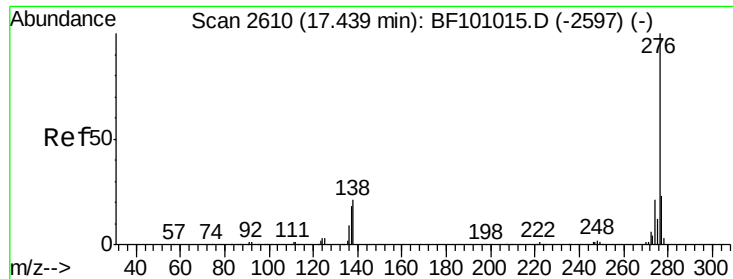
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#89
Benzo(a)pyrene
Concen: 5.604 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF101217.D
Acq: 7 Dec 2017 20:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	13.9	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 4.250 ng
 RT: 17.44 min Scan# 2610
 Delta R.T. 0.01 min
 Lab File: BF101217.D
 Acq: 7 Dec 2017 20:40

Instrument :
 BNA_F
 ClientSampleId :
 PB-2-OW(0-10)

Tot Ion:	276	Resp:	14028
Ion Ratio	Lower	Upper	
276	100		
277	27.4	17.9	26.9#
138	17.1	21.8	32.8#

Manual Integrations
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