

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
 Data File : BF101093.D
 Acq On : 4 Dec 2017 13:09
 Operator : SJ/JU
 Sample : I6620-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-4(0-2)-20171128

Manual Integrations
 APPROVED

Sohil
 12/5/2017 3:24:13 PM

Quant Time: Dec 04 15:52:37 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	6.85	152	49650	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	193682	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	88969	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	160894	20.00	ng	0.00
75) Chrysene-d12	14.02	240	114158	20.00	ng	0.00
86) Perylene-d12	15.49	264	120852	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	283630	94.40	ng	0.00
7) Phenol-d6	6.48	99	342172	93.80	ng	0.00
23) Nitrobenzene-d5	7.41	82	205624	63.33	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	90297	84.49	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	429022	65.98	ng	0.00
78) Terphenyl-d14	12.96	244	352238	67.49	ng	0.00
Target Compounds						
10) Phenol	6.49	94	10809	2.66	ng	Qvalue 97
49) Dimethylphthalate	9.60	163	26264	3.66	ng	# 95
70) Phenanthrene	11.40	178	46590	5.26	ng	96
74) Fluoranthene	12.59	202	84523	8.61	ng	93
77) Pyrene	12.82	202	72726	9.23	ng	97
80) Benzo(a)anthracene	14.00	228	38639	5.36	ng	100
82) Chrysene	14.04	228	34336	5.13	ng	98
87) Benzo(b)fluoranthene	15.06	252	53159m	7.34	ng	
88) Benzo(k)fluoranthene	15.08	252	17342m	2.43	ng	
89) Benzo(a)pyrene	15.43	252	35899	5.46	ng	95
91) Benzo(g,h,i)perylene	17.42	276	22609	4.14	ng	# 88

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

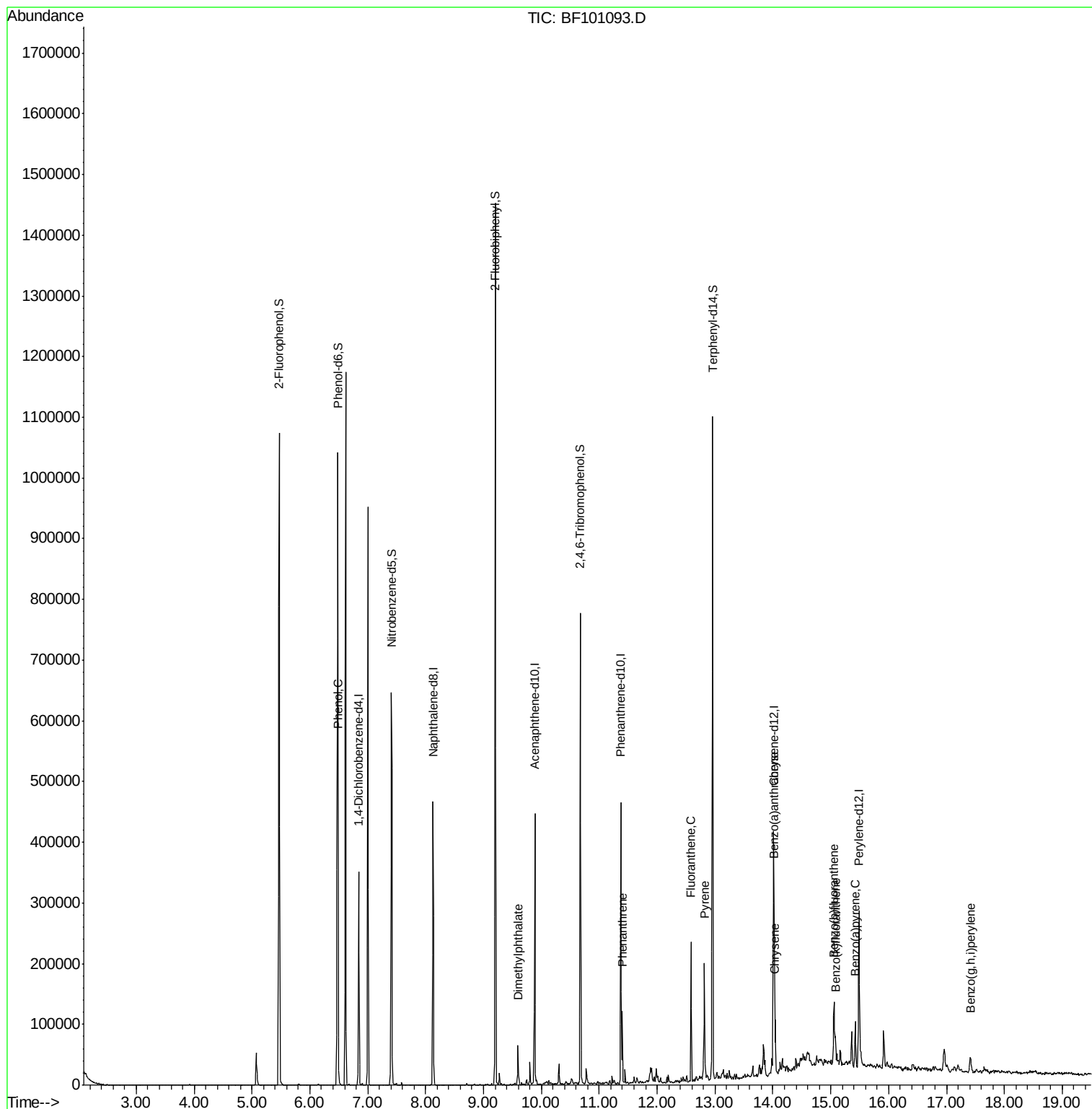
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
Data File : BF101093.D
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ALS Vial : 9 Sample Multiplier: 1

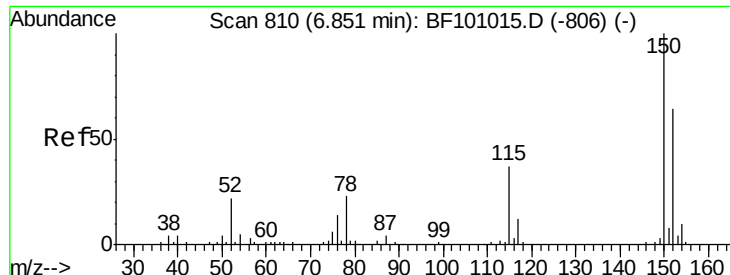
Instrument :
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SB-4(0-2)-20171128

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#1

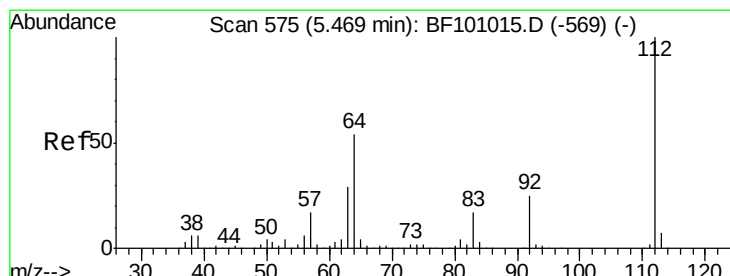
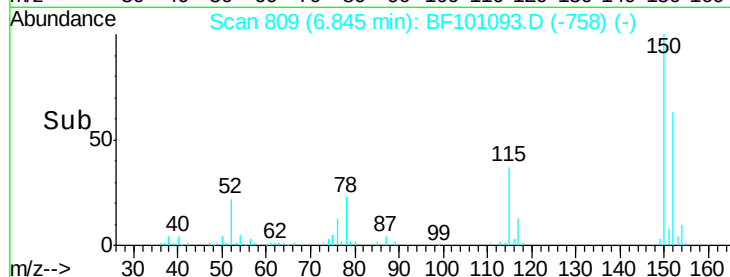
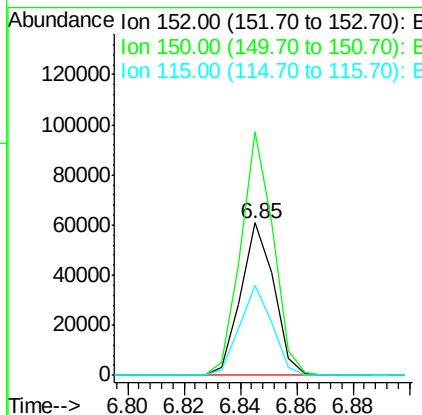
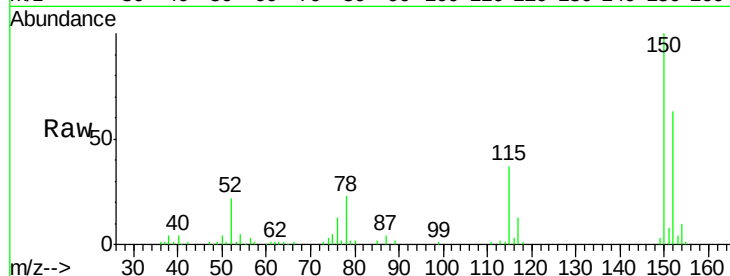
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF101093.D
Acq: 4 Dec 2017 13:09

Instrument :
BNA_F
ClientSampleId :
SB-4(0-2)-20171128

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.9	124.6	186.8
115	59.4	50.1	75.1

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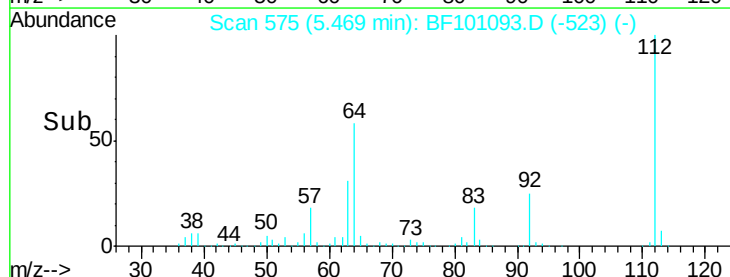
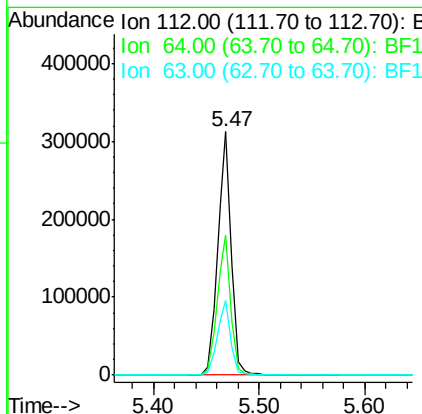
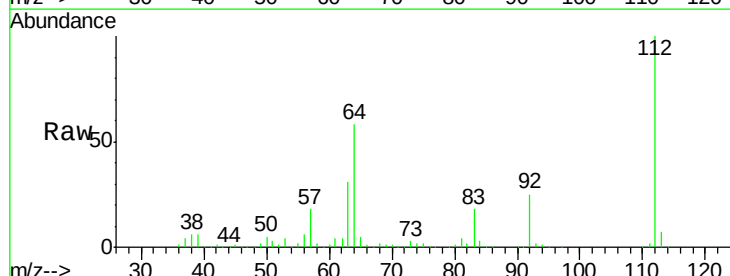
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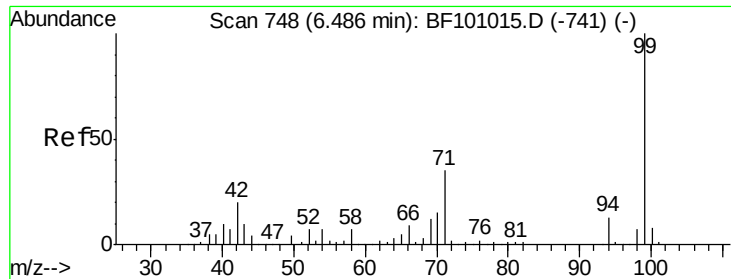


#5

2-Fluorophenol
Concen: 94.40 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF101093.D
Acq: 4 Dec 2017 13:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.5	47.9	71.9
63	30.8	23.7	35.5





#7

Phenol-d6

Concen: 93.80 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF101093.D

Acq: 4 Dec 2017 13:09

Instrument :

BNA_F

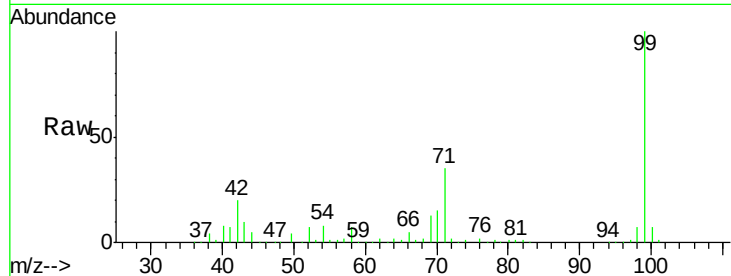
ClientSampleId :

SB-4(0-2)-20171128

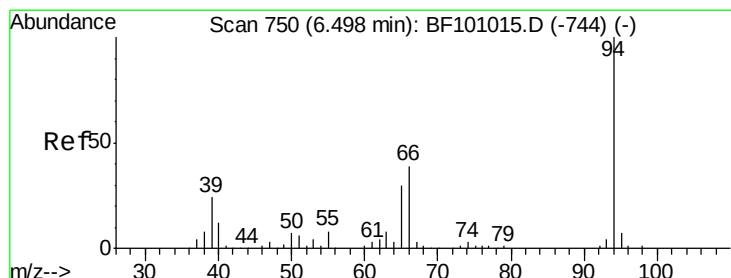
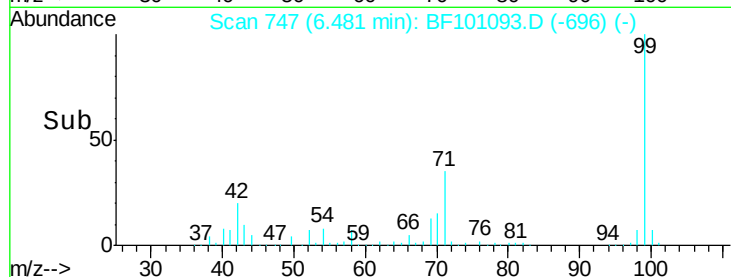
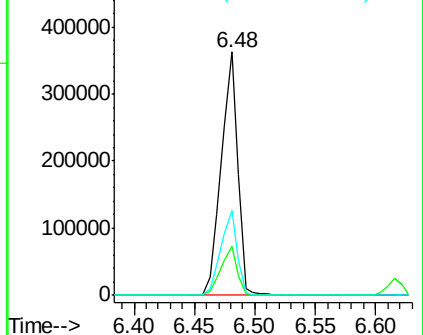
Tot Ion:	99	Resp:	342172
Ion Ratio	Lower	Upper	
99	100		
42	20.0	14.5	21.7
71	34.6	25.4	38.0

Manual Integrations
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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: 2.66 ng

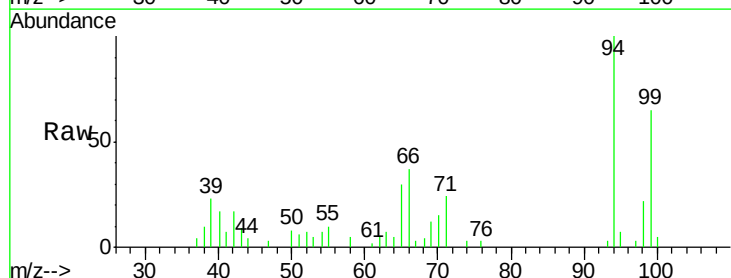
RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

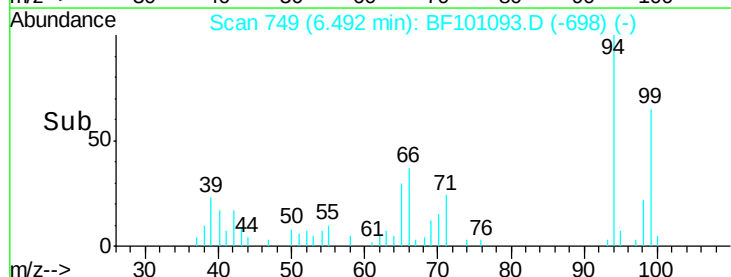
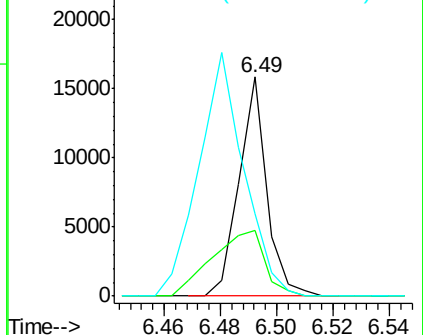
Lab File: BF101093.D

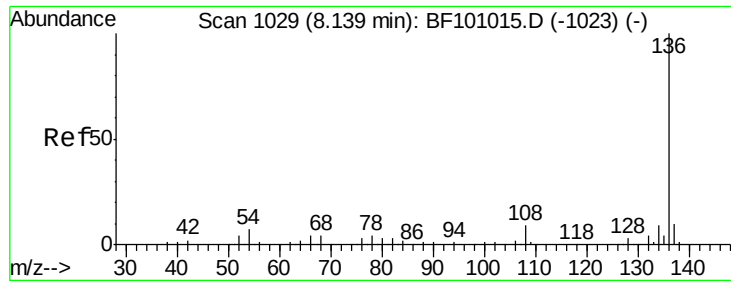
Acq: 4 Dec 2017 13:09

Tgt Ion:	94	Resp:	10809
Ion Ratio	Lower	Upper	
94	100		
65	29.9	7.9	47.9
66	37.5	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





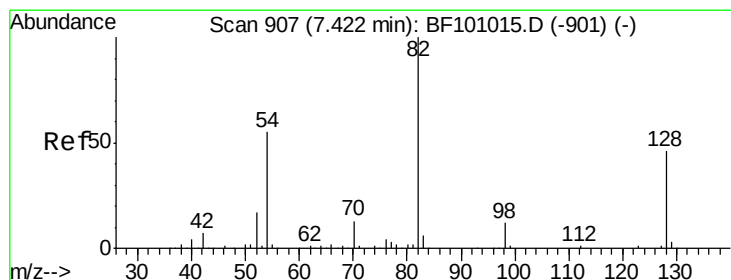
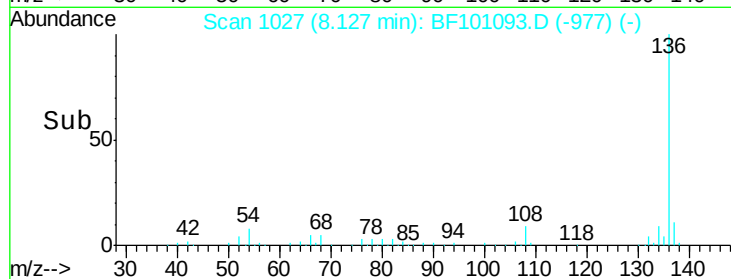
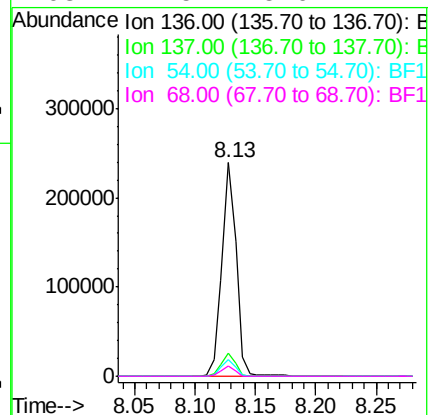
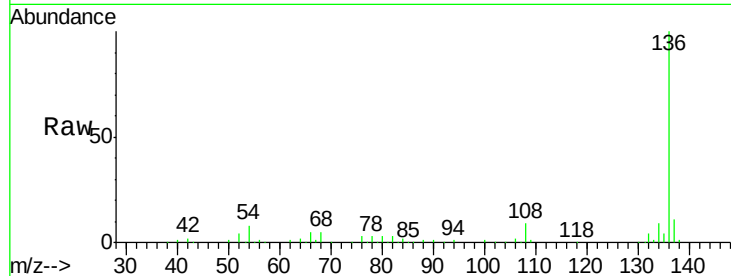
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF101093.D
Acq: 4 Dec 2017 13:09

Instrument :
BNA_F
ClientSampleId :
SB-4(0-2)-20171128

Tot Ion	Ratio	Resp	Lower	Upper
136	100	193682		
137	10.9	8.9	13.3	
54	7.5	6.6	9.8	
68	4.5	5.0	7.4	

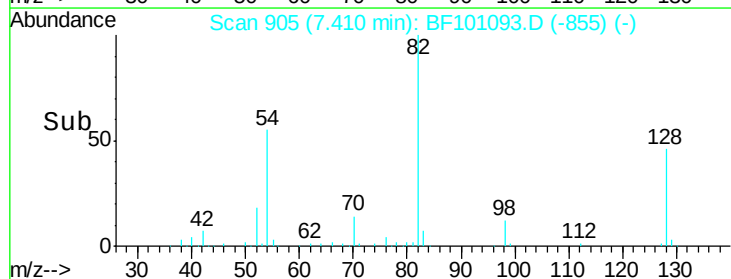
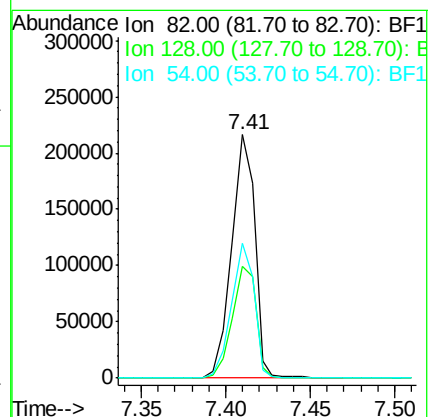
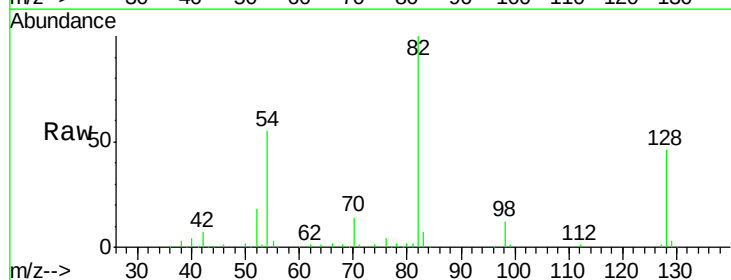
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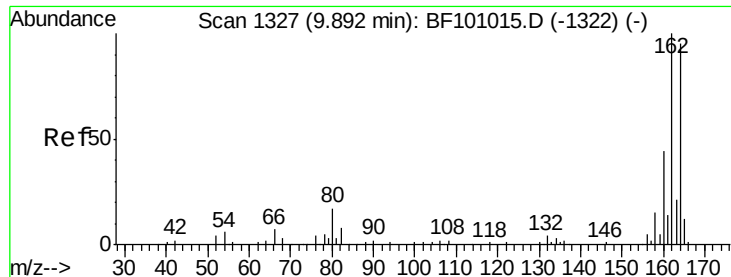
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#23
Nitrobenzene-d5
Concen: 63.33 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF101093.D
Acq: 4 Dec 2017 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	205624		
128	45.8	36.1	54.1	
54	55.2	41.4	62.2	





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.89 min Scan# 1326

Delta R.T. 0.00 min

Lab File: BF101093.D

Acq: 4 Dec 2017 13:09

Instrument :

BNA_F

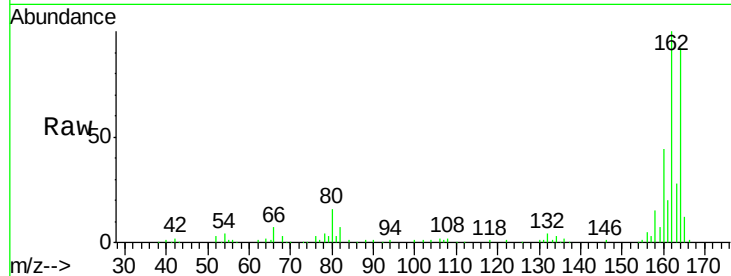
ClientSampleId :

SB-4(0-2)-20171128

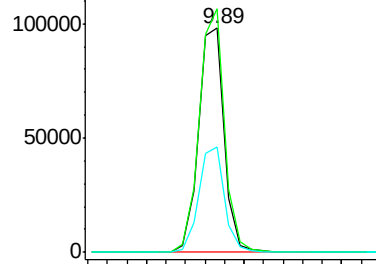
Tot Ion:	164	Resp:	88969
Ion Ratio	Lower	Upper	
164	100		
162	108.6	86.1	129.1
160	47.3	38.3	57.5

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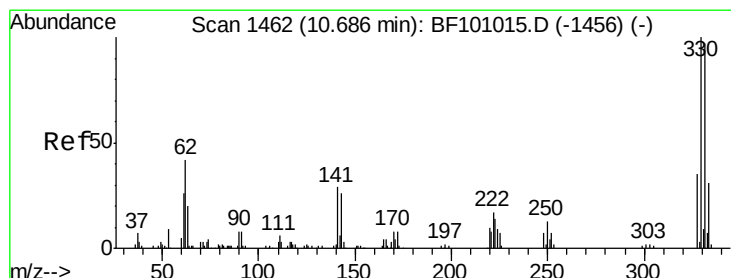
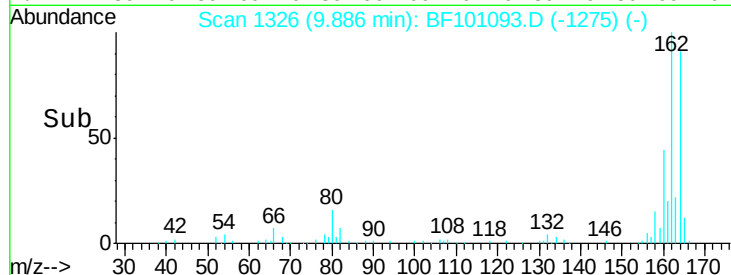
Sohil
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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



Time-->



#41

2,4,6-Tribromophenol

Concen: 84.49 ng

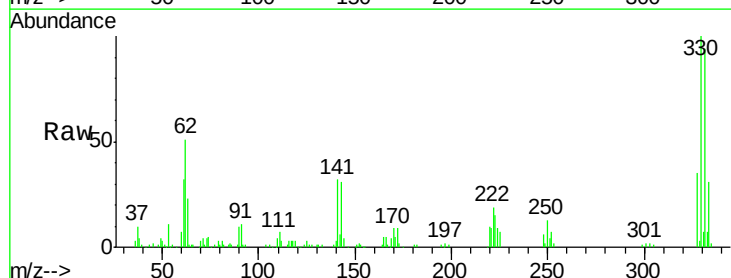
RT: 10.67 min Scan# 1460

Delta R.T. -0.01 min

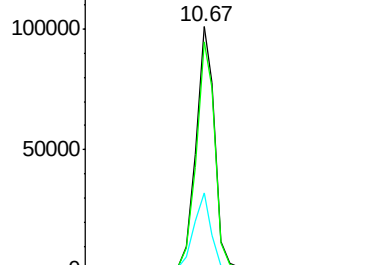
Lab File: BF101093.D

Acq: 4 Dec 2017 13:09

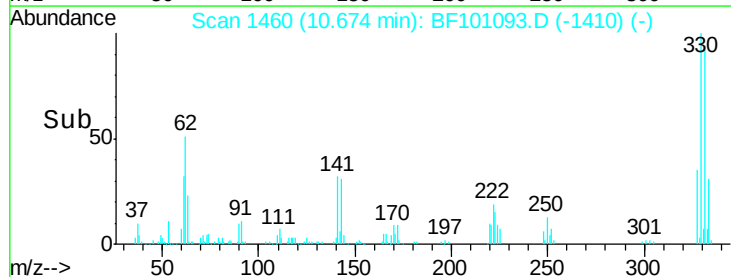
Tgt Ion:	330	Resp:	90297
Ion Ratio	Lower	Upper	
330	100		
332	94.3	77.0	115.6
141	29.6	29.9	44.9#

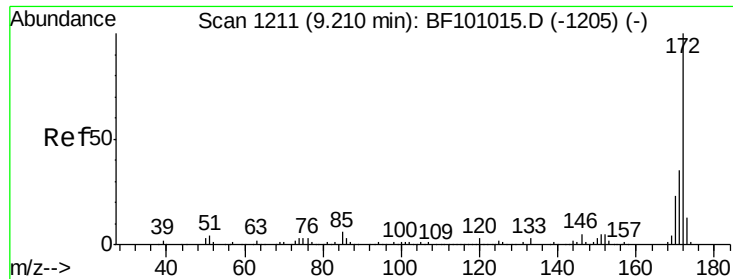


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



Time-->





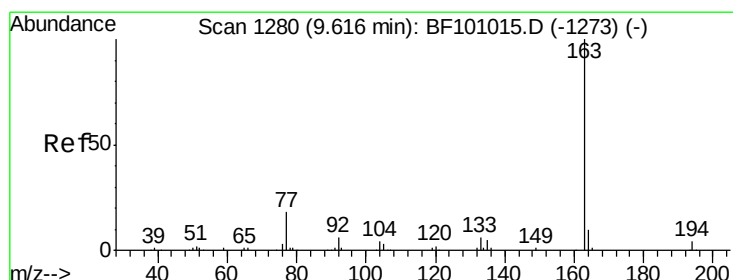
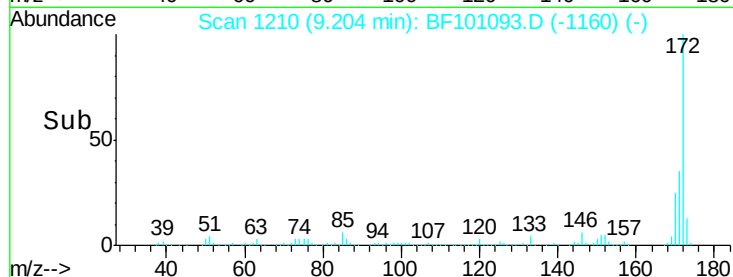
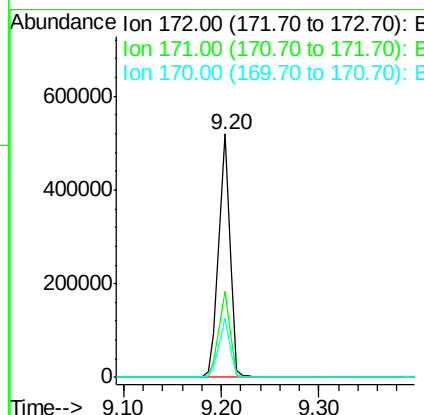
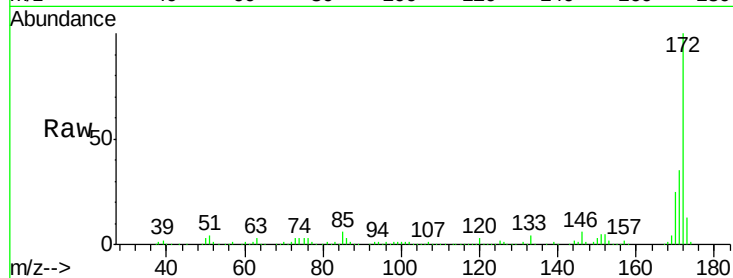
#44
2-Fluorobiphenyl
Concen: 65.98 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF101093.D
Acq: 4 Dec 2017 13:09

Instrument :
BNA_F
ClientSampleId :
SB-4(0-2)-20171128

Tot Ion	Ratio	Resp	Lower	Upper
172	100	429022		
171	35.4		29.7	44.5
170	24.5		19.6	29.4

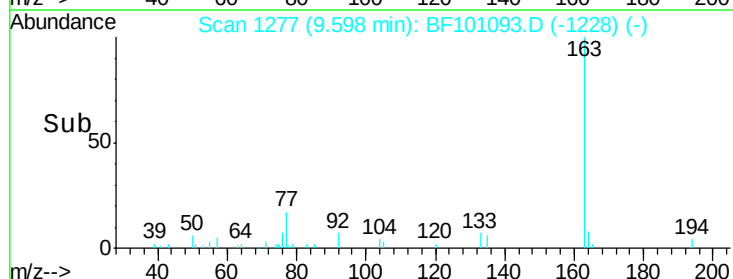
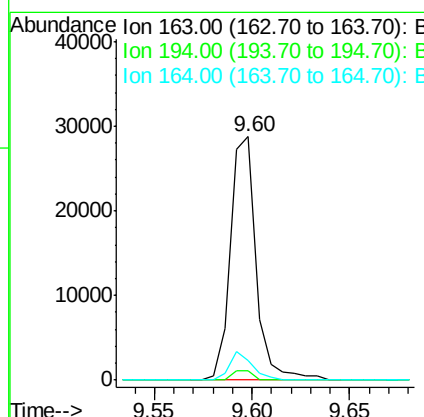
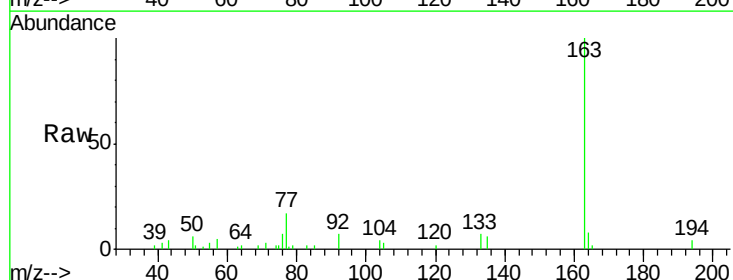
Manual Integrations
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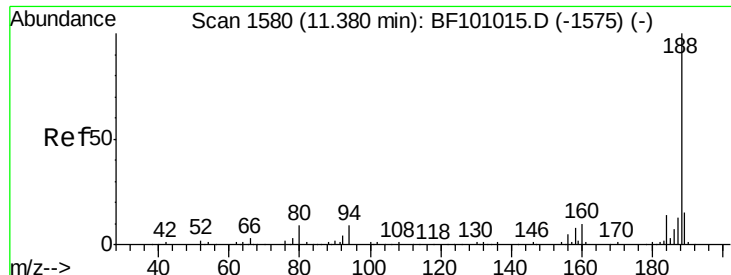
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#49
Dimethylphthalate
Concen: 3.66 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF101093.D
Acq: 4 Dec 2017 13:09

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	26264		
194	4.0		2.7	4.1
164	8.1		8.2	12.2#





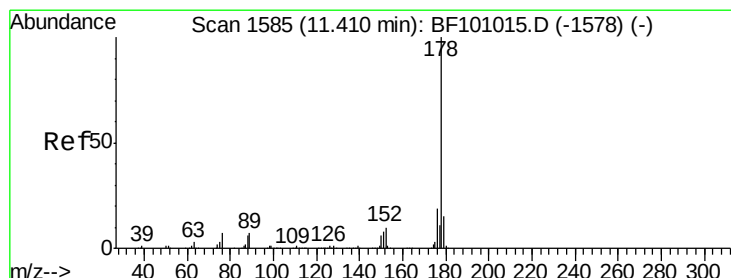
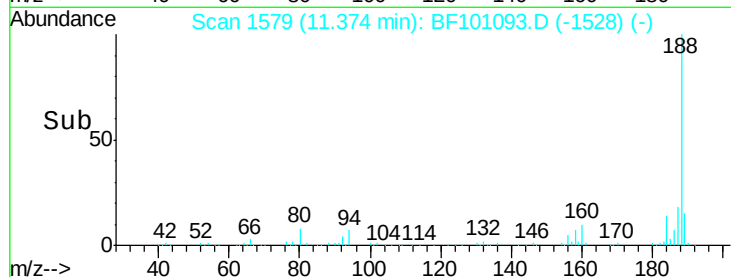
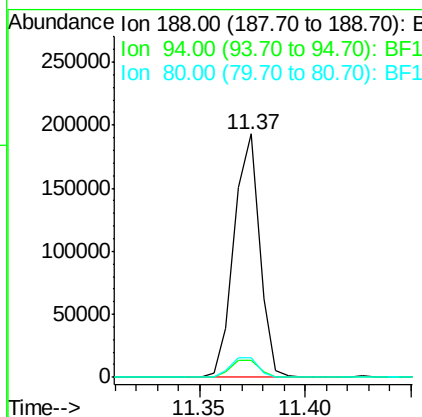
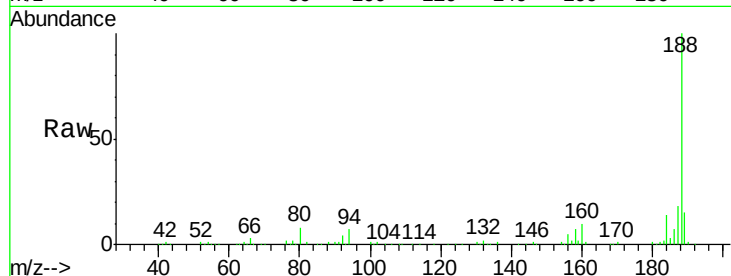
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.00 min
Lab File: BF101093.D
Acq: 4 Dec 2017 13:09

Instrument :
BNA_F
ClientSampleId :
SB-4(0-2)-20171128

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.1	8.5	12.7#
80	7.9	9.2	13.8#

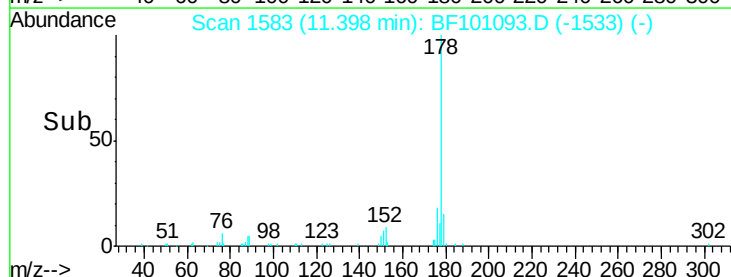
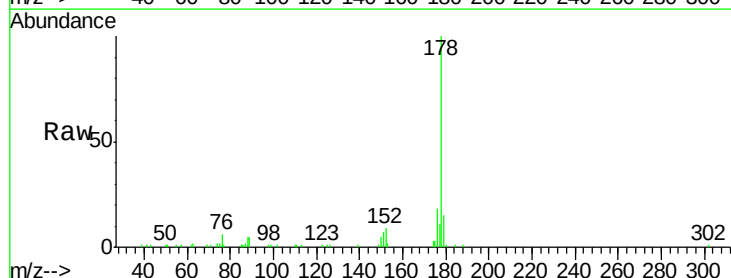
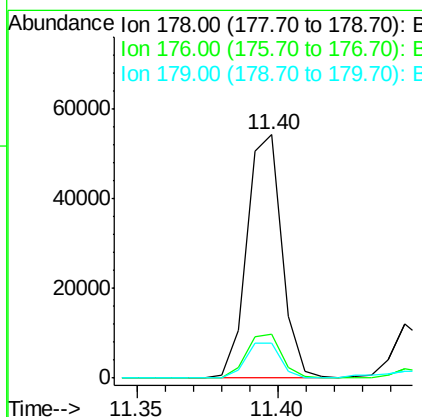
Manual Integrations
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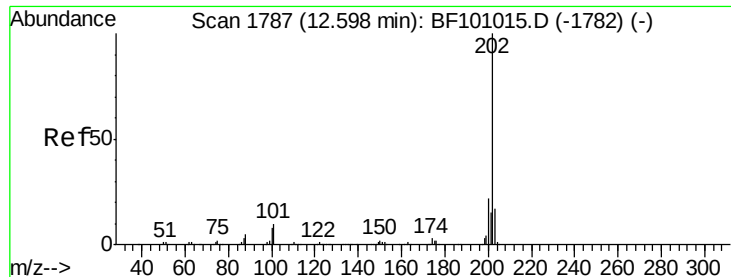
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#70
Phenanthrene
Concen: 5.26 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF101093.D
Acq: 4 Dec 2017 13:09

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.1	15.8	23.8
179	14.6	13.0	19.6





#74

Fluoranthene

Concen: 8.61 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.01 min

Lab File: BF101093.D

Acq: 4 Dec 2017 13:09

Instrument :

BNA_F

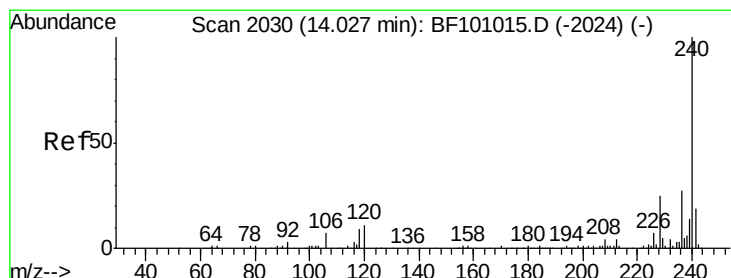
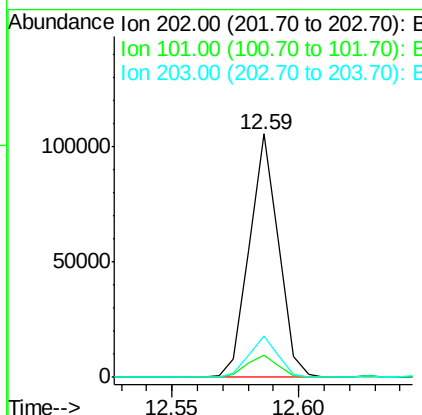
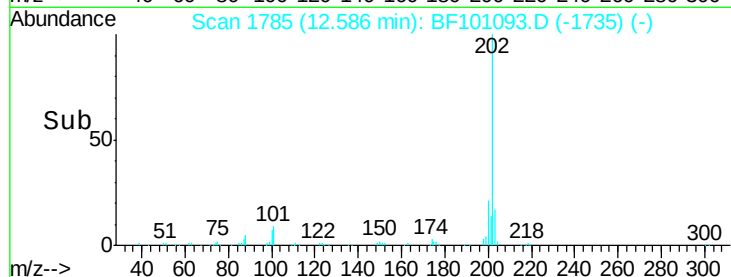
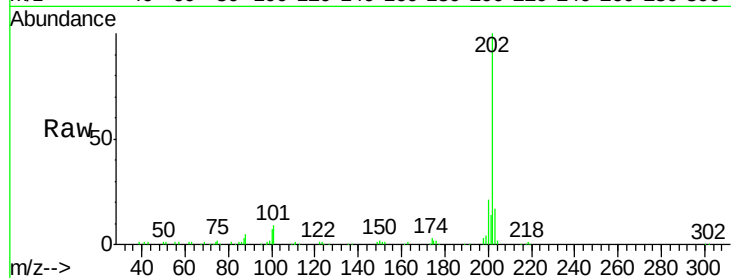
ClientSampleId :

SB-4(0-2)-20171128

Tot Ion:	202	Resp:	84523
Ion Ratio	Lower	Upper	
202	100		
101	9.3	0.0	34.1
203	16.9	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

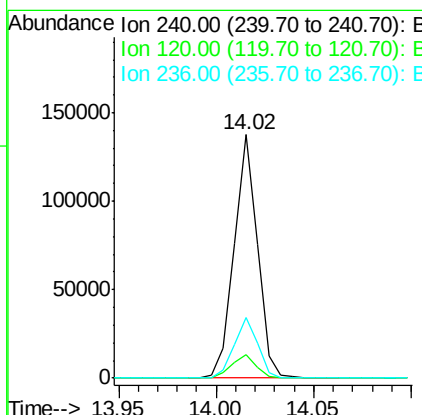
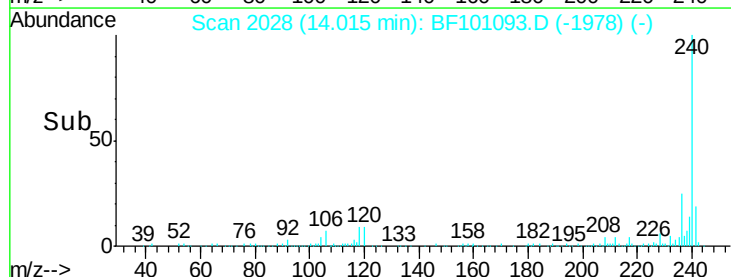
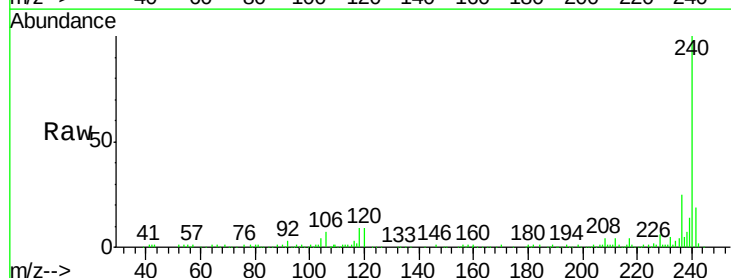
RT: 14.02 min Scan# 2028

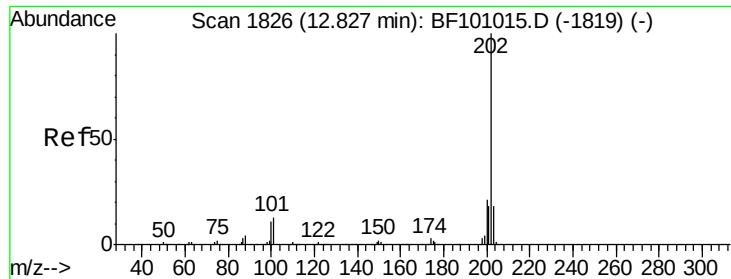
Delta R.T. -0.01 min

Lab File: BF101093.D

Acq: 4 Dec 2017 13:09

Tgt Ion:	240	Resp:	114158
Ion Ratio	Lower	Upper	
240	100		
120	9.4	9.5	14.3#
236	24.8	20.7	31.1





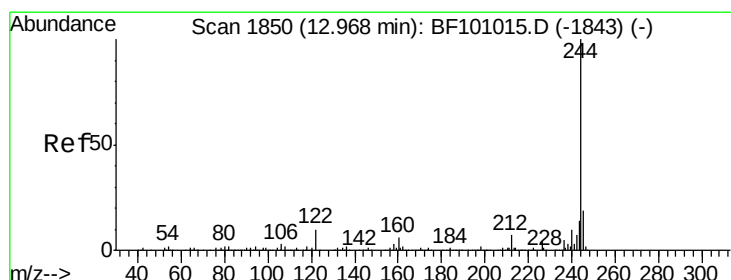
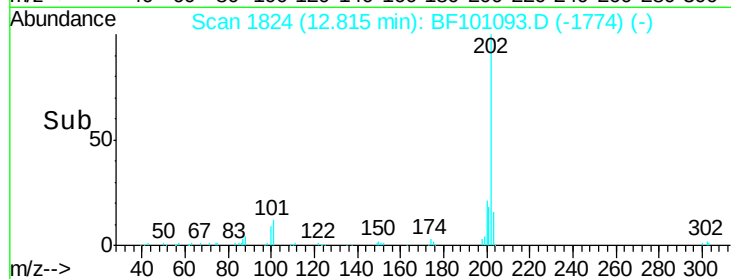
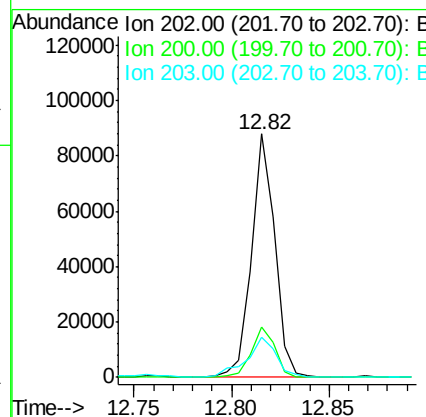
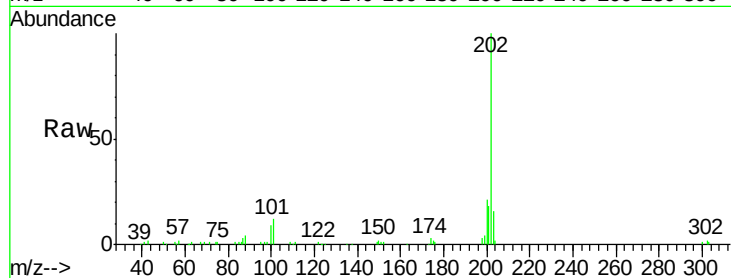
#77
Pvrene
Concen: 9.23 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF101093.D
Acq: 4 Dec 2017 13:09

Instrument :
BNA_F
ClientSampleId :
SB-4(0-2)-20171128

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.4	26.2
203	16.5	14.3	21.5

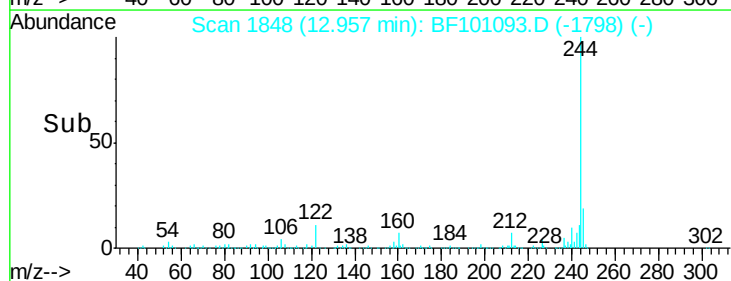
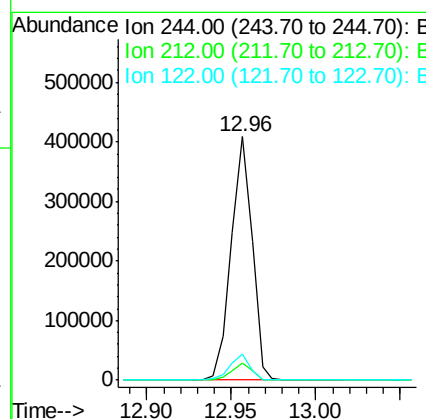
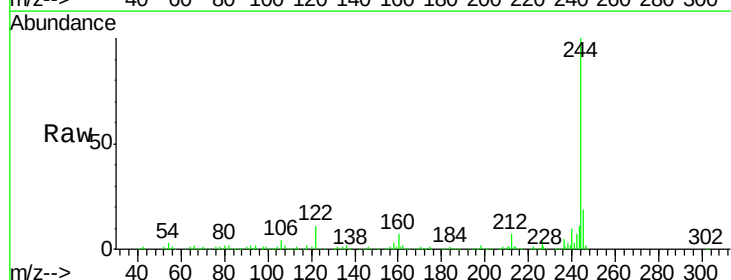
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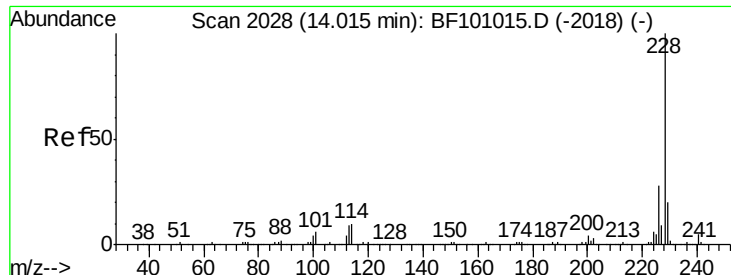
Sohil
12/5/2017 3:24:13 PM



#78
Terphenyl-d14
Concen: 67.49 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF101093.D
Acq: 4 Dec 2017 13:09

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	10.6	11.0	16.4#





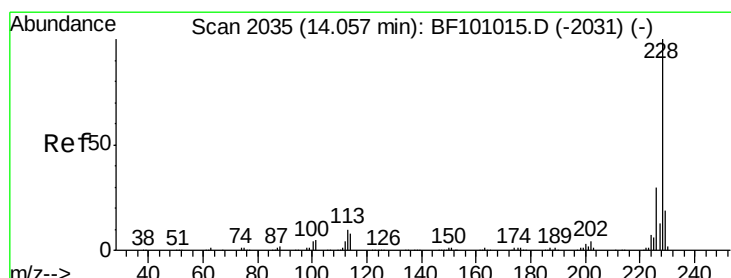
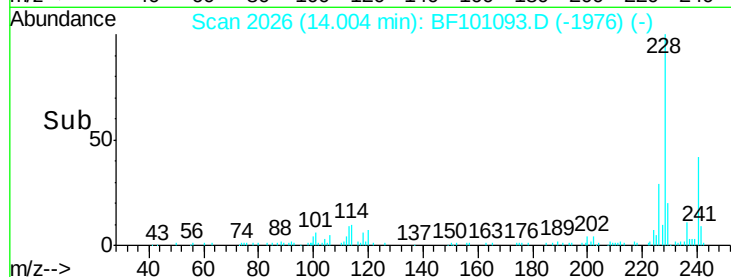
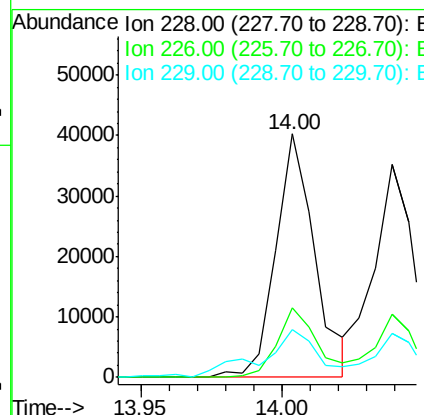
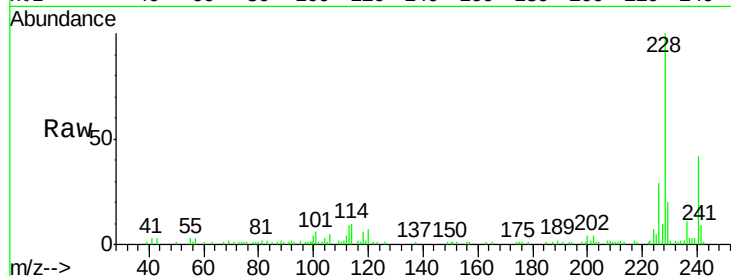
#80
Benzo(a)anthracene
Concen: 5.36 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF101093.D
Acq: 4 Dec 2017 13:09

Instrument :
BNA_F
ClientSampleId :
SB-4(0-2)-20171128

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	19.8	15.8	23.6

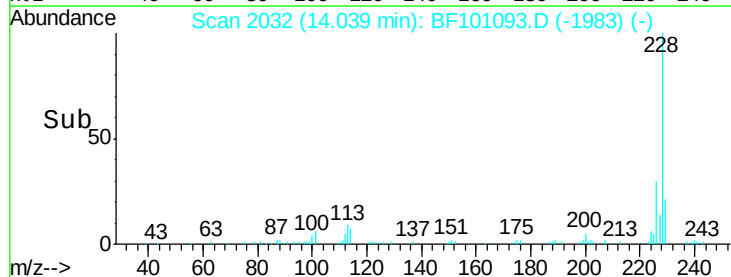
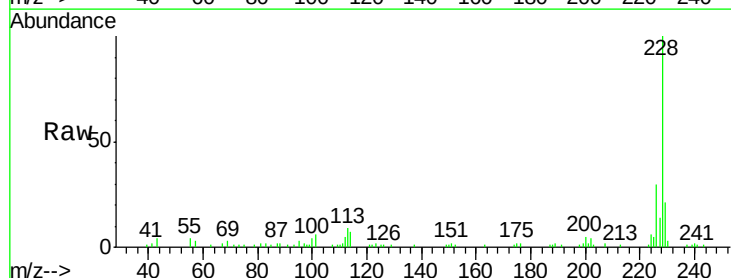
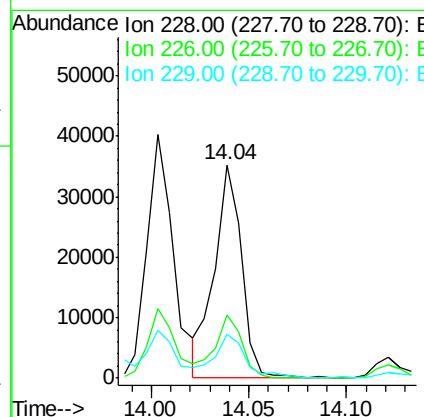
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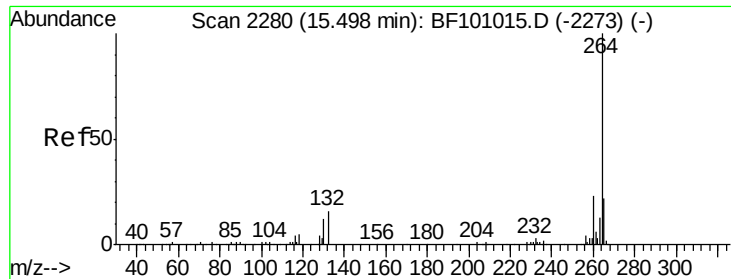
Sohil
12/5/2017 3:24:13 PM



#82
Chrysene
Concen: 5.13 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF101093.D
Acq: 4 Dec 2017 13:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.0	37.6
229	20.7	16.2	24.4





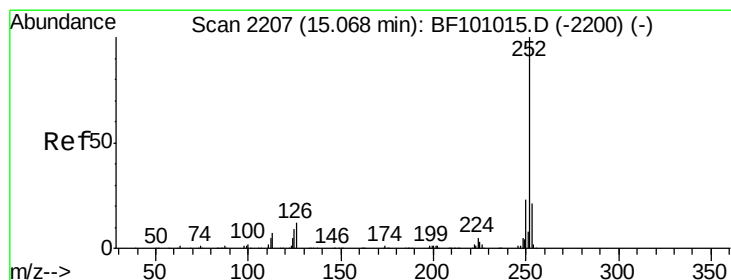
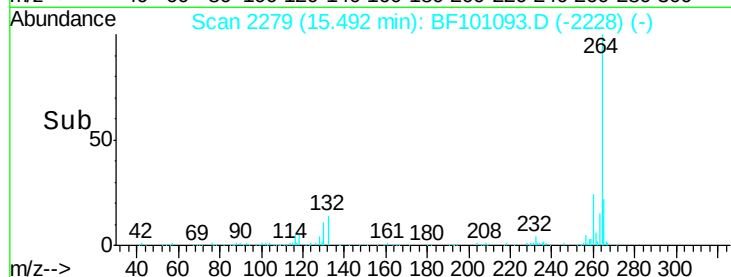
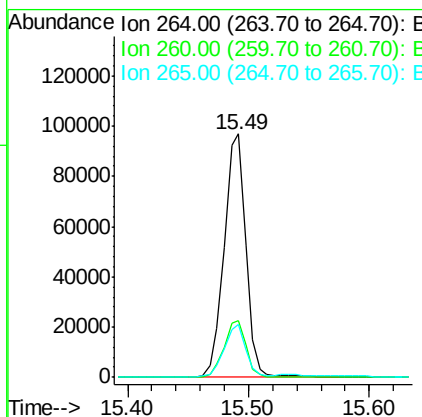
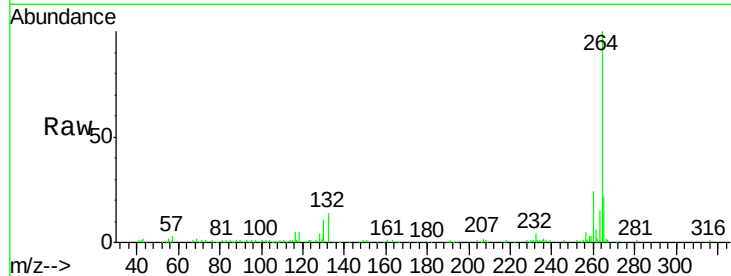
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.00 min
Lab File: BF101093.D
Acq: 4 Dec 2017 13:09

Instrument :
BNA_F
ClientSampleId :
SB-4(0-2)-20171128

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.0	17.5	26.3

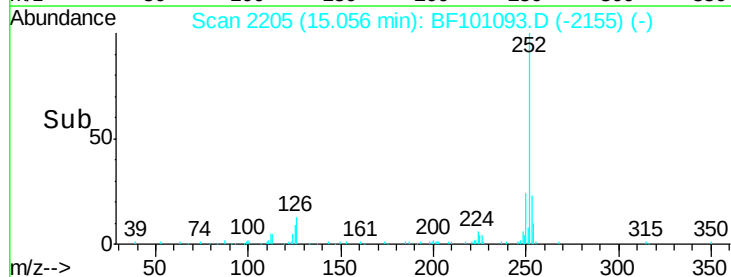
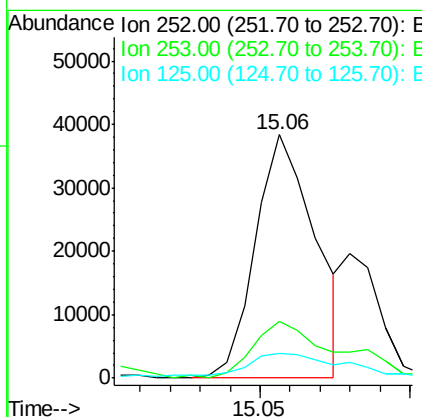
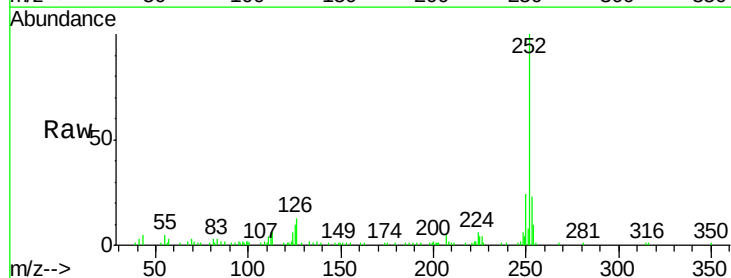
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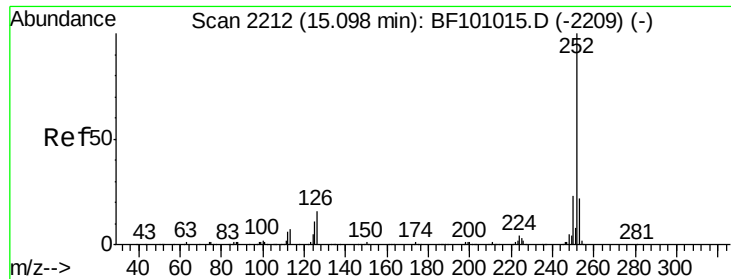
Sohil
12/5/2017 3:24:13 PM



#87
Benzo(b)fluoranthene
Concen: 7.34 ng m
RT: 15.06 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BF101093.D
Acq: 4 Dec 2017 13:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	9.9	9.0	13.6





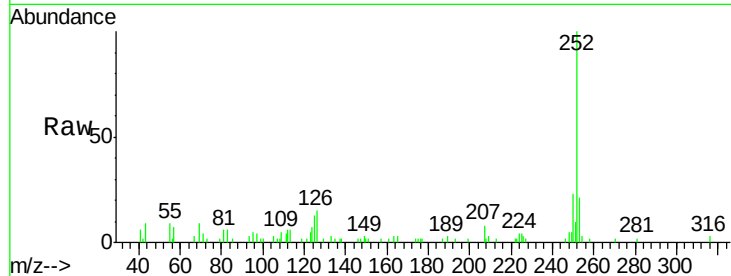
#88
Benzo(k)fluoranthene
Concen: 2.43 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF101093.D
Acq: 4 Dec 2017 13:09

Instrument :
BNA_F
ClientSampleId :
SB-4(0-2)-20171128

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.9	26.9
125	13.0	10.2	15.2

Manual Integrations
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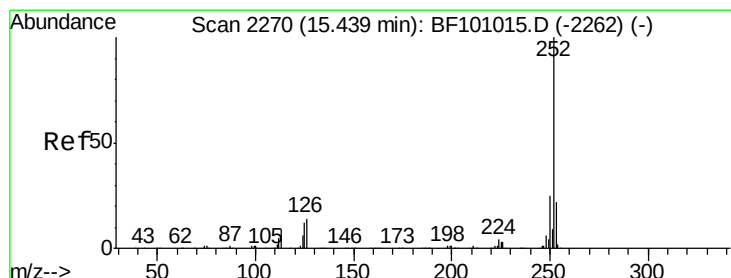
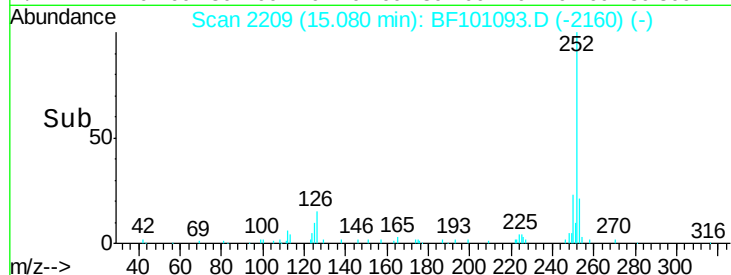
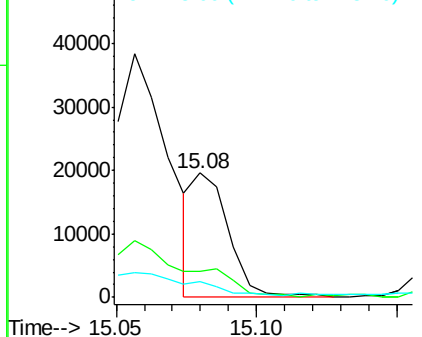


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 5.46 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF101093.D
Acq: 4 Dec 2017 13:09

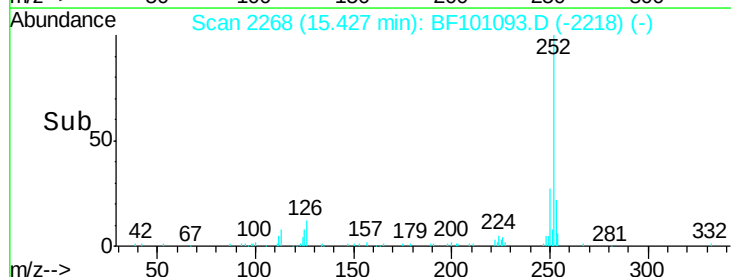
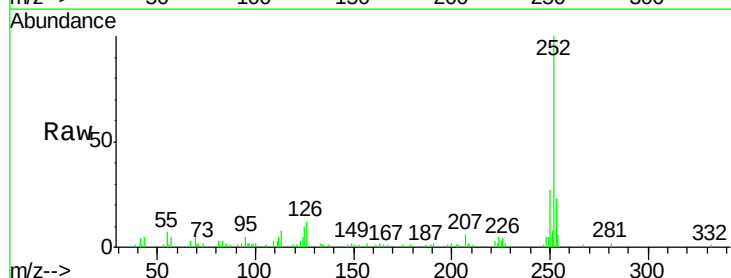
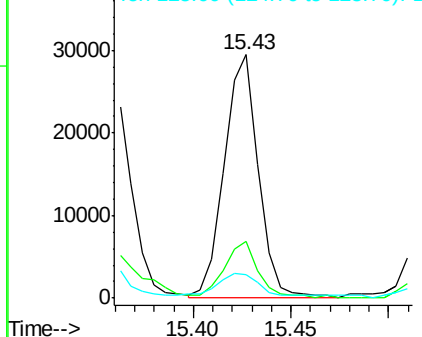
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	9.9	9.8	14.6

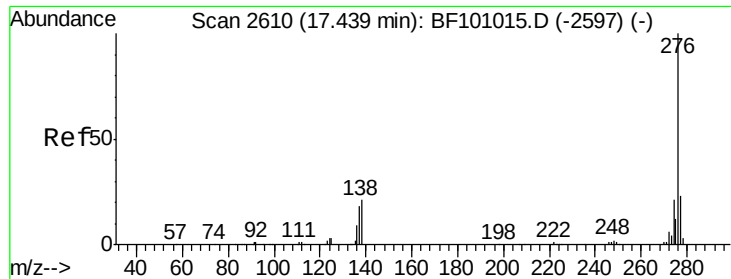
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 4.14 ng
 RT: 17.42 min Scan# 2606
 Delta R.T. -0.01 min
 Lab File: BF101093.D
 Acq: 4 Dec 2017 13:09

Instrument :
 BNA_F
 ClientSampleId :
 SB-4(0-2)-20171128

Tot Ion:	276	Resp:	22609
Ion Ratio	Lower	Upper	
276	100		
277	26.5	17.9	26.9
138	19.4	21.8	32.8

Manual Integrations
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Sohil
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