

Data Path : Z:\HPCHEM1\BNA F\DATA\BF013018\
 Data File : BF102649.D
 Acq On : 30 Jan 2018 19:42
 Operator : SJ/JU
 Sample : J1360-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SPRING-101

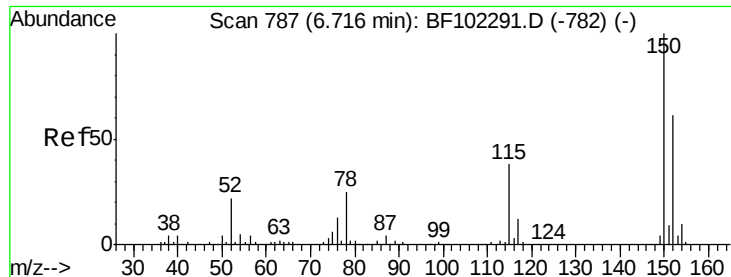
Manual Integrations
 APPROVED

Sohil
 1/31/2018 2:00:17 PM

Quant Time: Jan 31 02:54:10 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	165097	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	693256	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	309349	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	537818	20.00	ng	0.00
75) Chrysene-d12	13.87	240	350362	20.00	ng	0.00
86) Perylene-d12	15.30	264	303170	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1080081	99.20	ng	0.00
7) Phenol-d6	6.36	99	1320975	100.63	ng	0.00
23) Nitrobenzene-d5	7.28	82	839920	69.62	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	240414	78.43	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1288199	61.23	ng	0.00
78) Terphenyl-d14	12.82	244	1055019	67.88	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.46	163	159264	6.229	ng	99
74) Fluoranthene	12.44	202	372216	11.647	ng	96
77) Pyrene	12.67	202	271927	10.038	ng	99
80) Benzo(a)anthracene	13.86	228	108781	5.043	ng	99
82) Chrysene	13.90	228	127413	5.817	ng	97
85) Indeno(1,2,3-cd)pyrene	16.70	276	75748	4.187	ng	94
87) Benzo(b)fluoranthene	14.89	252	149438m	7.605	ng	
88) Benzo(k)fluoranthene	14.92	252	52244m	2.814	ng	
89) Benzo(a)pyrene	15.24	252	95593	5.394	ng	# 95
91) Benzo(g,h,i)perylene	17.13	276	75898	5.354	ng	# 91

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



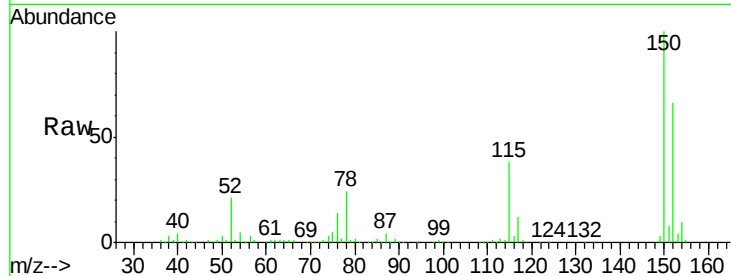
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.71 min Scan# 786
 Delta R.T. -0.01 min
 Lab File: BF102649.D
 Acq: 30 Jan 2018 19:42

Instrument :
 BNA_F
 ClientSampleId :
 SPRING-101

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.6	124.6	186.8
115	58.0	50.1	75.1

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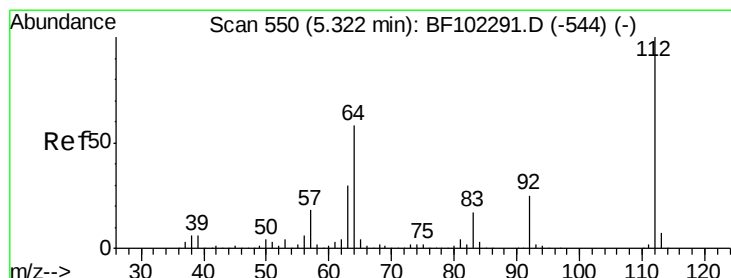
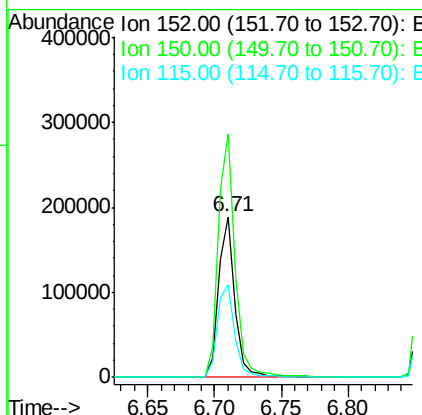
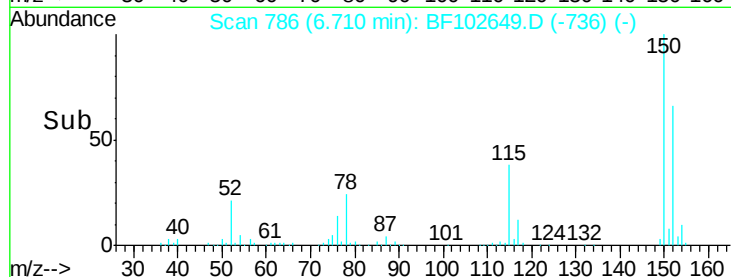


Abundance

Ion 152.00 (151.70 to 152.70): E

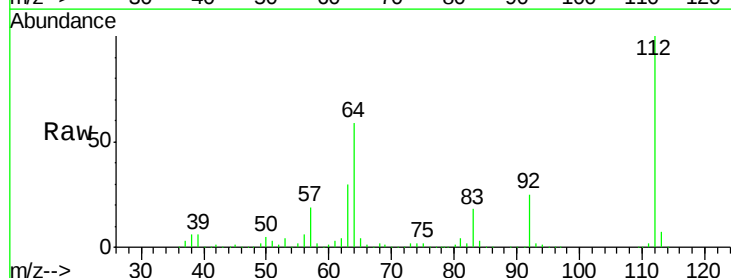
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 99.195 ng
 RT: 5.33 min Scan# 551
 Delta R.T. 0.01 min
 Lab File: BF102649.D
 Acq: 30 Jan 2018 19:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.4	47.9	71.9
63	29.8	23.7	35.5

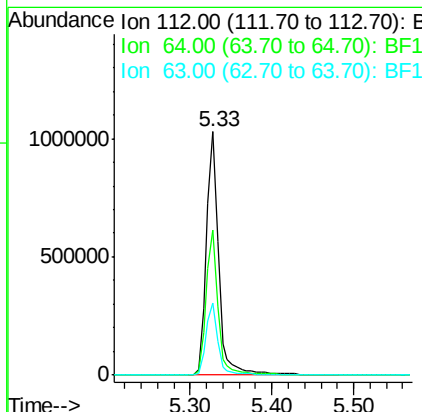
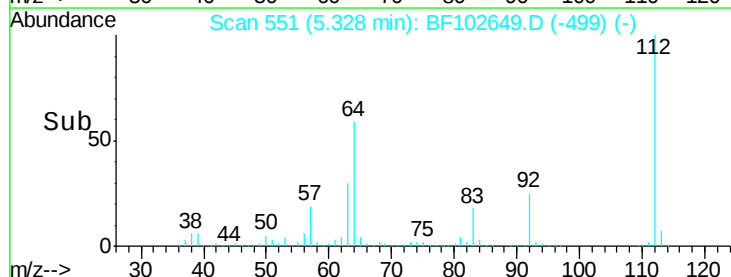


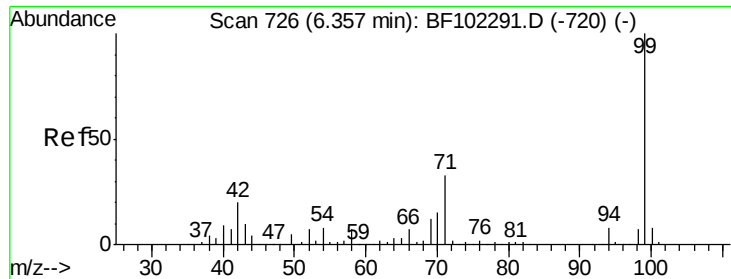
Abundance

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: 100.630 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF102649.D

Acq: 30 Jan 2018 19:42

Instrument :

BNA_F

ClientSampleId :

SPRING-101

Tot Ion: 99 Resp: 1320975

Ion Ratio Lower Upper

99 100

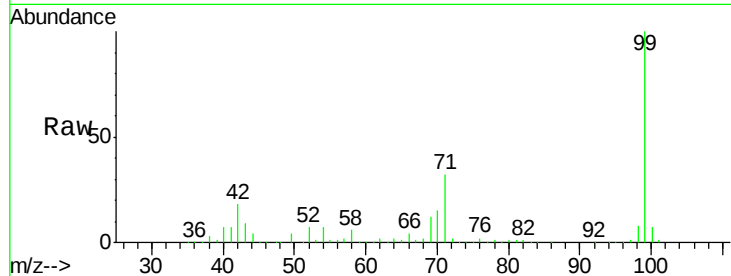
42 18.2 14.5 21.7

71 32.5 25.4 38.0

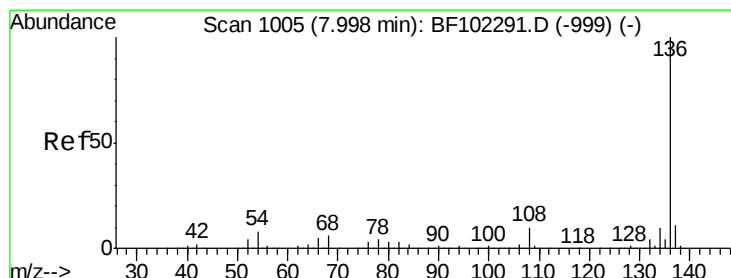
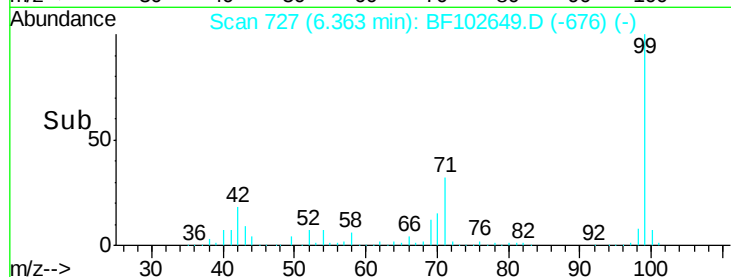
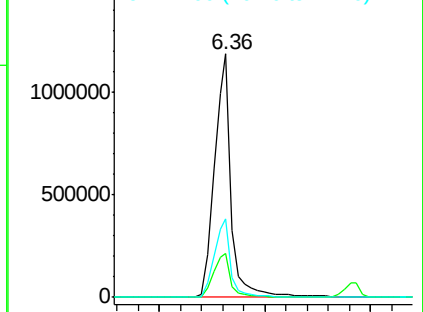
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF102649.D

Acq: 30 Jan 2018 19:42

Tgt Ion: 136 Resp: 693256

Ion Ratio Lower Upper

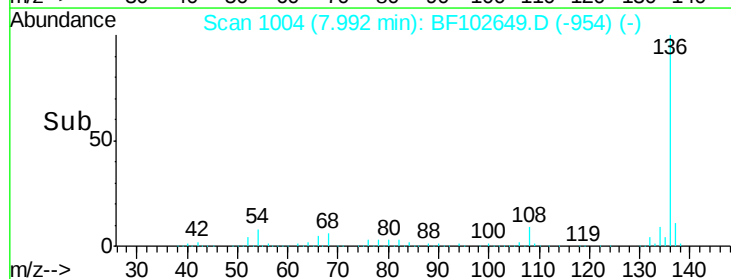
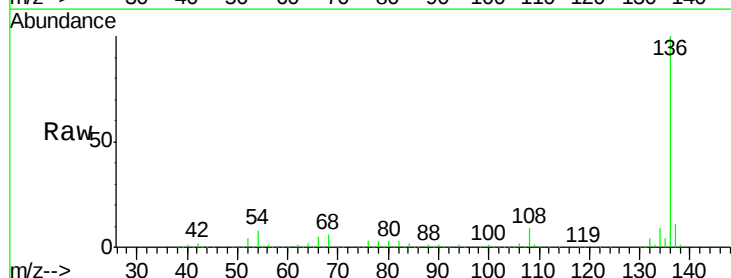
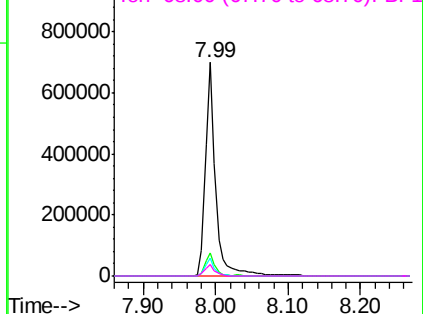
136 100

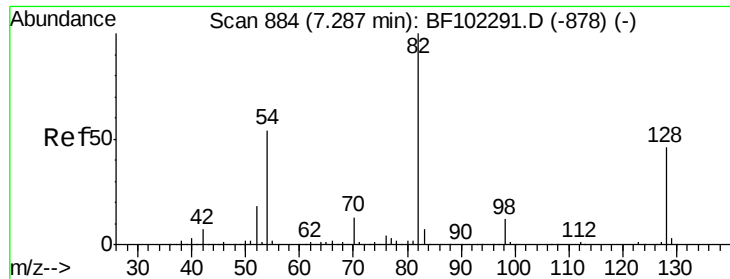
137 11.0 8.9 13.3

54 8.5 6.6 9.8

68 5.6 5.0 7.4

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





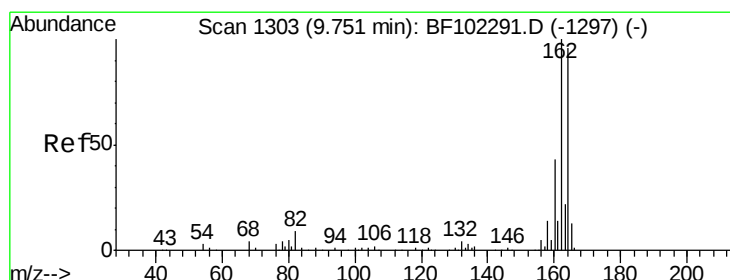
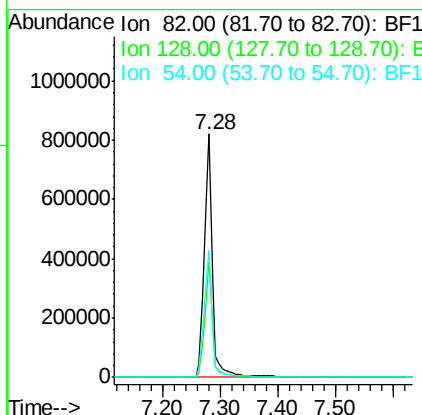
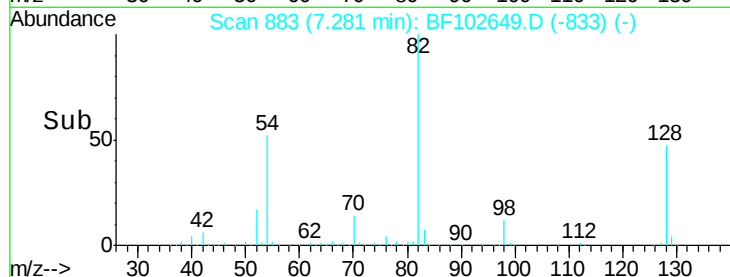
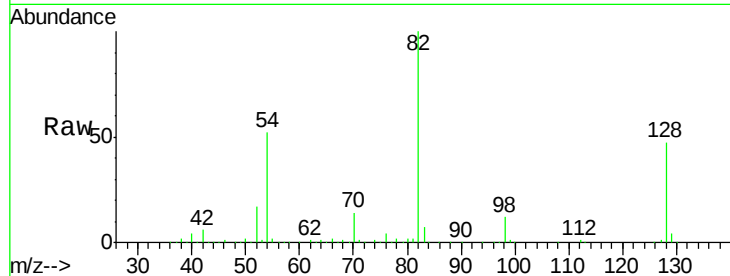
#23
 Nitrobenzene-d5
 Concen: 69.624 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BF102649.D
 Acq: 30 Jan 2018 19:42

Instrument :
 BNA_F
 ClientSampled :
 SPRING-101

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.4	36.1	54.1
54	52.2	41.4	62.2

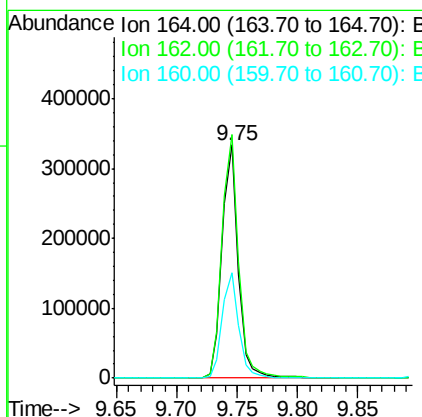
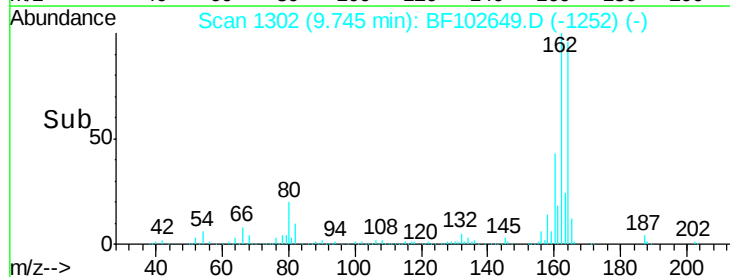
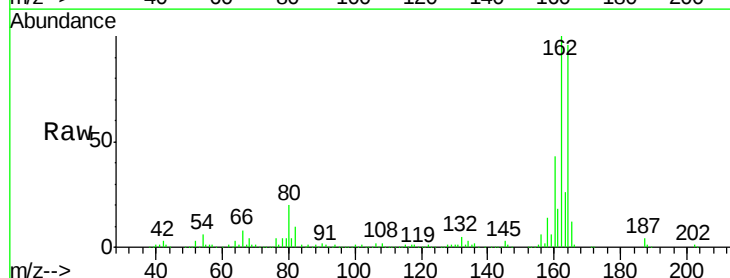
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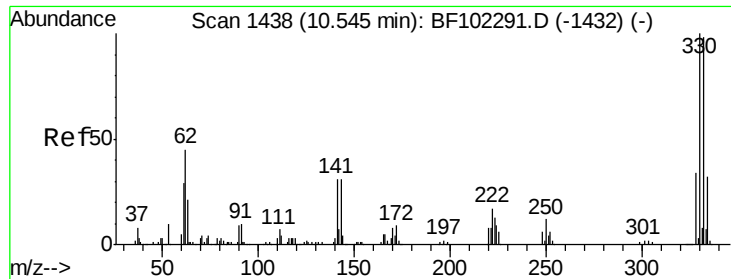
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: BF102649.D
 Acq: 30 Jan 2018 19:42

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.4	86.1	129.1
160	45.2	38.3	57.5





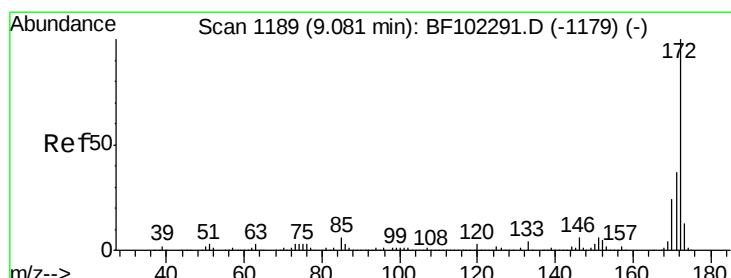
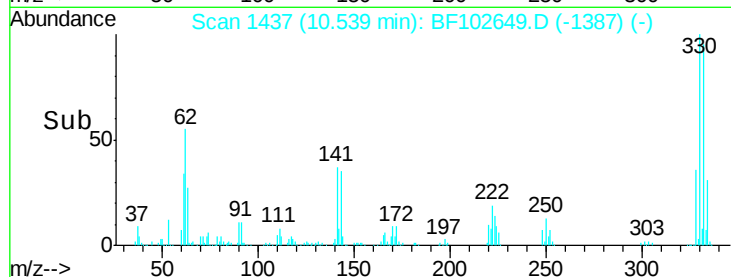
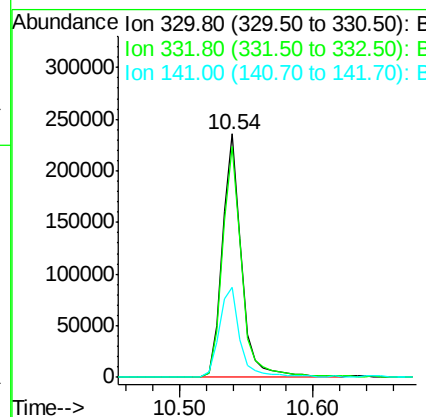
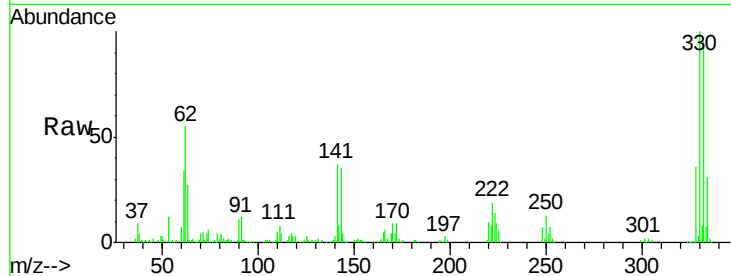
#41
 2,4,6-Tribromophenol
 Concen: 78.433 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102649.D
 Acq: 30 Jan 2018 19:42

Instrument :
 BNA_F
 ClientSampleId :
 SPRING-101

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.0	115.6
141	40.8	29.9	44.9

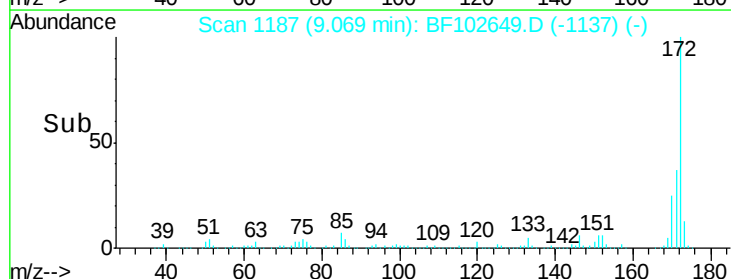
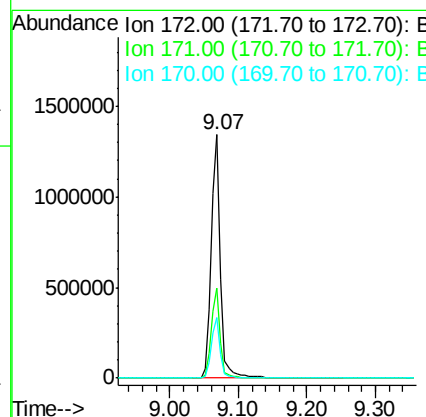
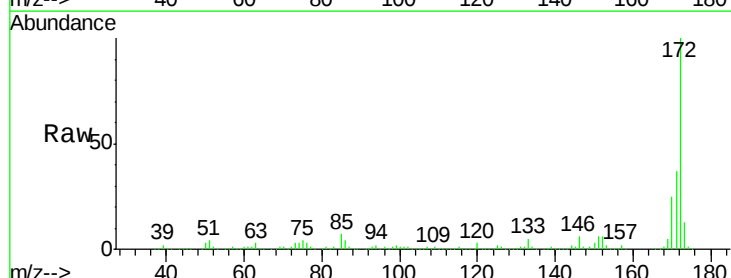
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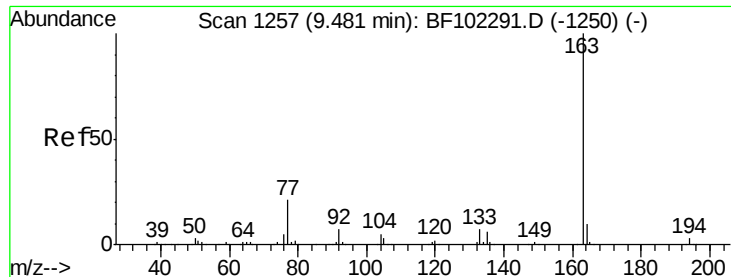
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#44
 2-Fluorobiphenyl
 Concen: 61.229 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF102649.D
 Acq: 30 Jan 2018 19:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.7	44.5
170	24.8	19.6	29.4





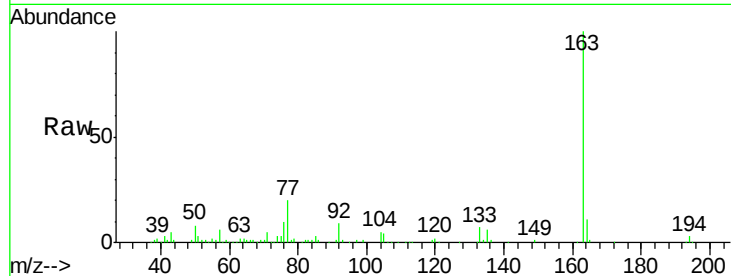
#49
Dimethylphthalate
Concen: 6.229 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF102649.D
Acq: 30 Jan 2018 19:42

Instrument :
BNA_F
ClientSampleId :
SPRING-101

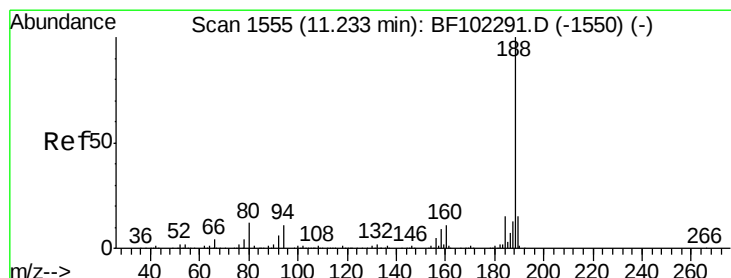
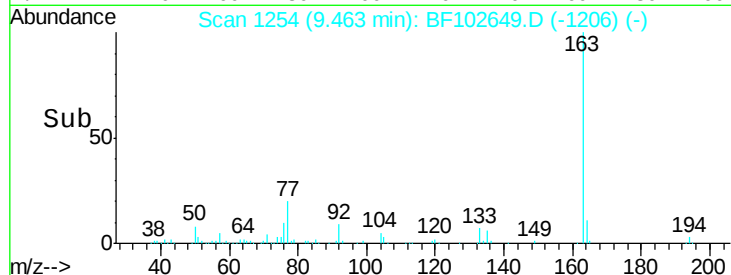
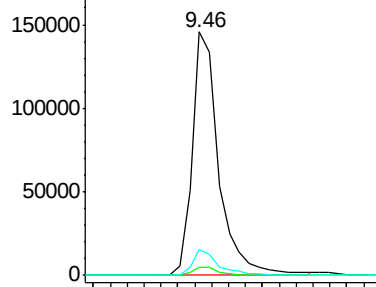
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.7	4.1
164	10.8	8.2	12.2

Manual Integrations
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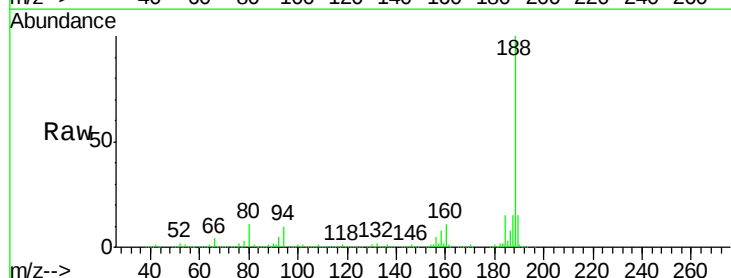


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

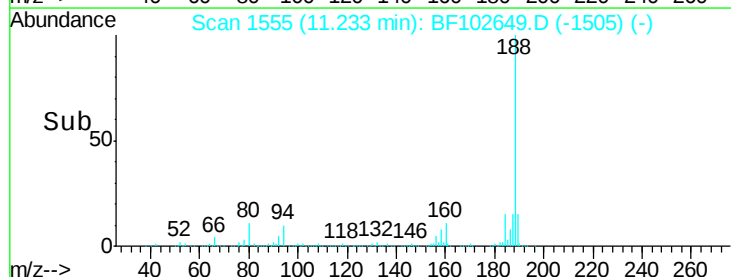
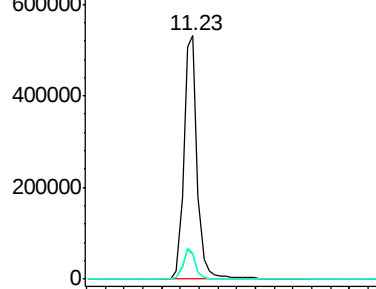


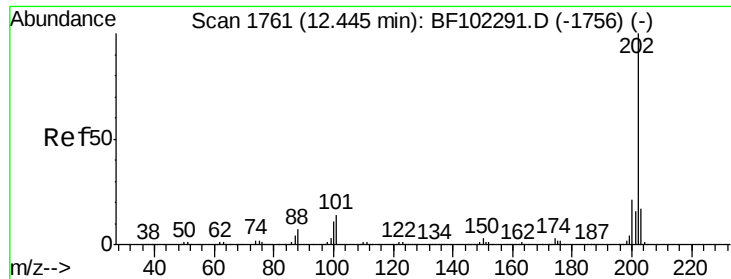
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102649.D
Acq: 30 Jan 2018 19:42

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.5	12.7
80	10.8	9.2	13.8



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





#74

Fluoranthene

Concen: 11.647 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF102649.D

Acq: 30 Jan 2018 19:42

Instrument :

BNA_F

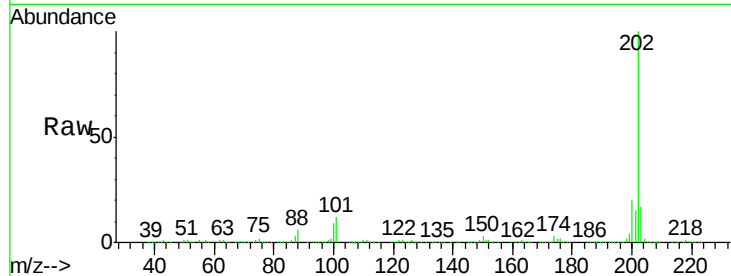
ClientSampled :

SPRING-101

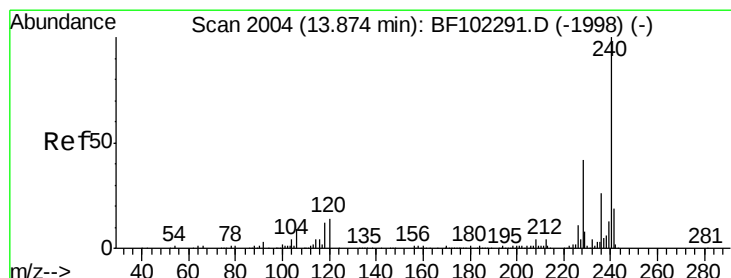
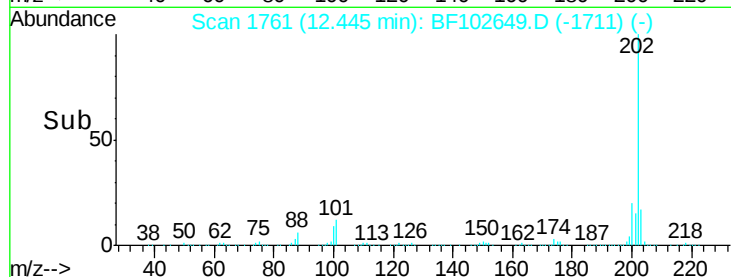
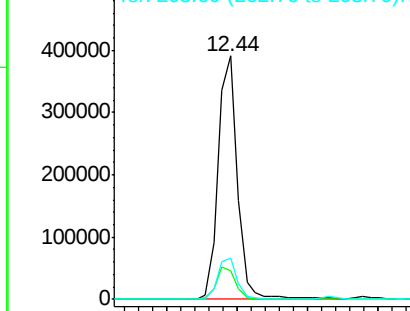
Tot Ion	Ratio	Resp	Lower	Upper
202	100	372216		
101	11.8	0.0	34.1	
203	16.7	0.0	38.1	

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

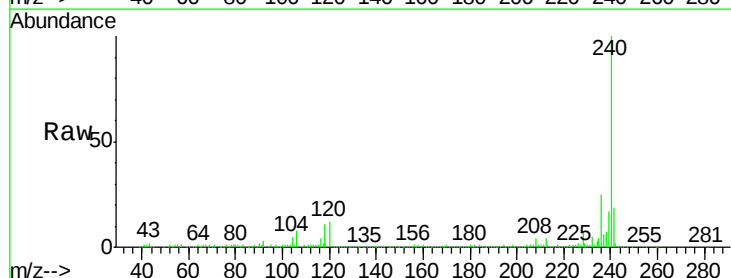
RT: 13.87 min Scan# 2004

Delta R.T. -0.01 min

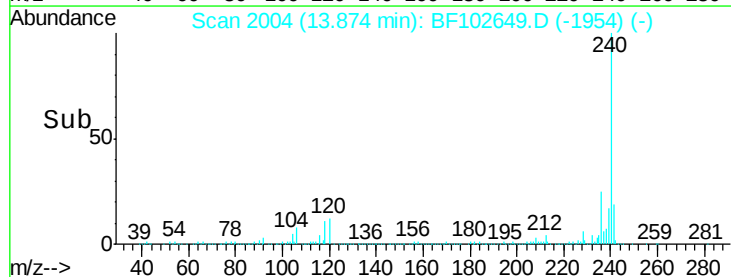
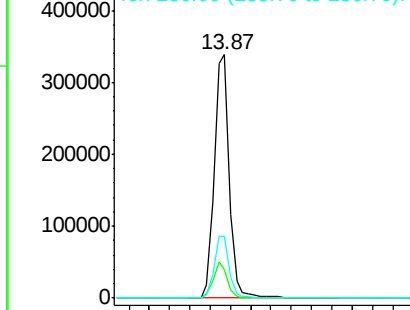
Lab File: BF102649.D

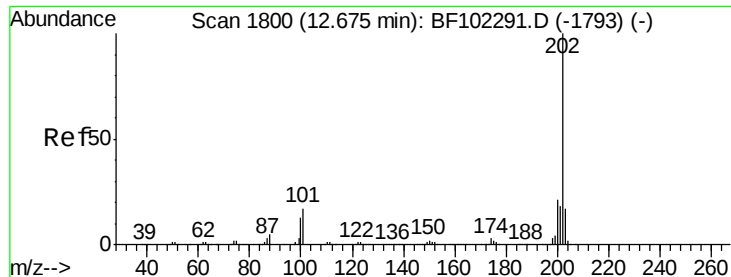
Acq: 30 Jan 2018 19:42

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	350362		
120	11.7	9.5	14.3	
236	25.4	20.7	31.1	



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





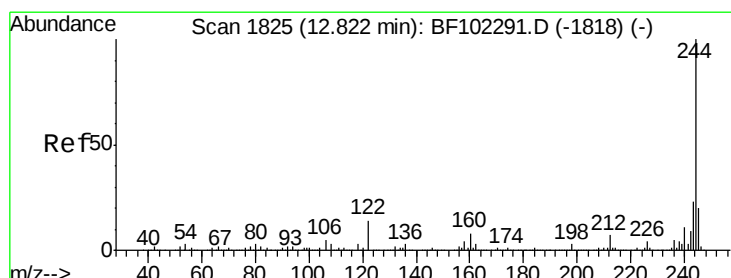
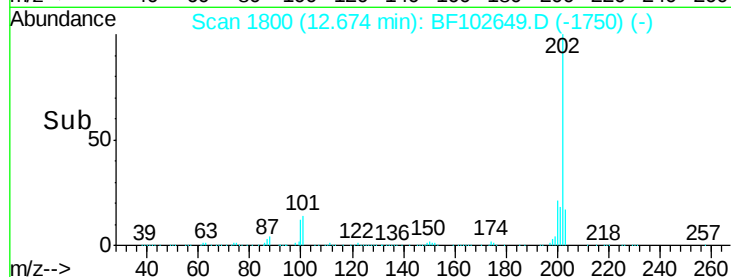
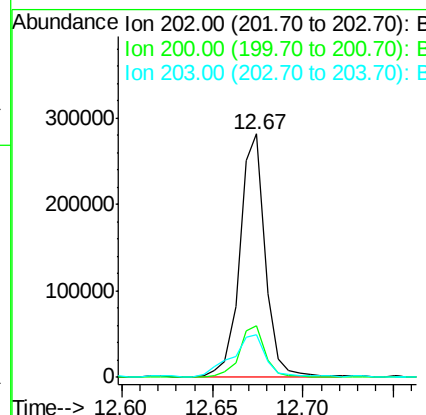
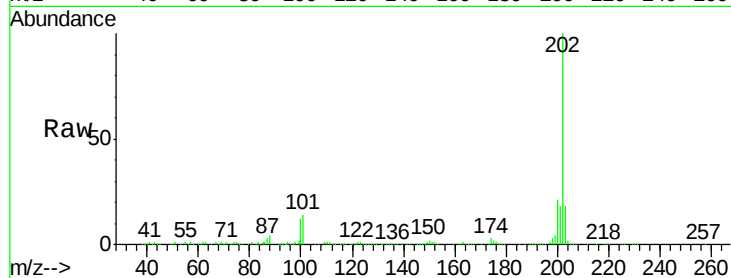
#77
Pvrene
Concen: 10.038 ng
RT: 12.67 min Scan# 1800
Delta R.T. -0.01 min
Lab File: BF102649.D
Acq: 30 Jan 2018 19:42

Instrument :
BNA_F
ClientSampleId :
SPRING-101

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2
203	17.5	14.3	21.5

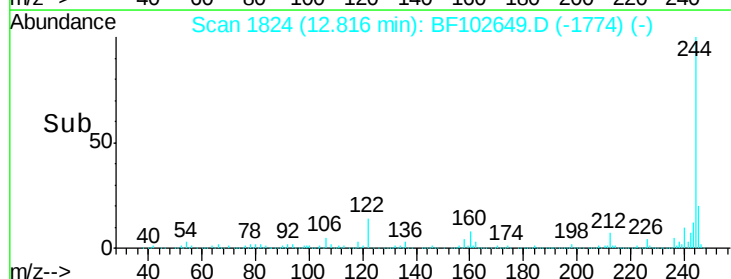
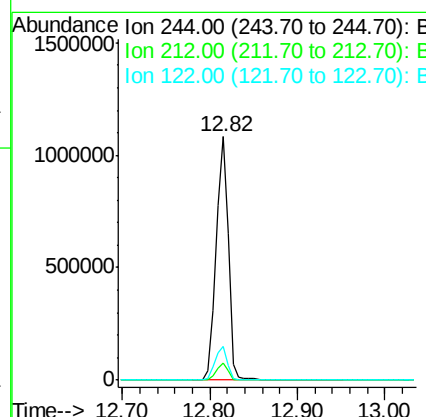
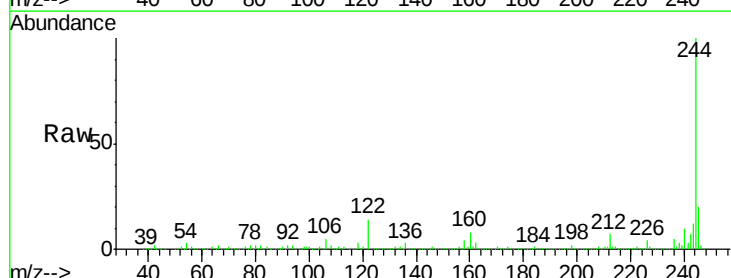
Manual Integrations
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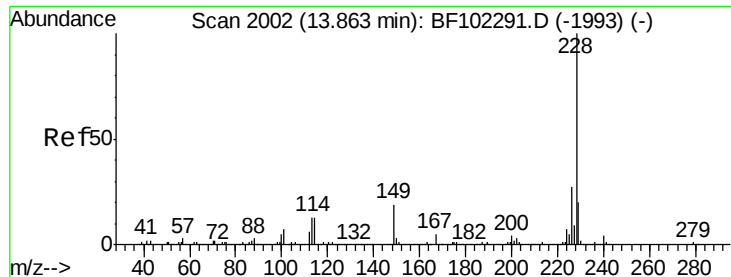
Sohil
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#78
Terphenyl-d14
Concen: 67.884 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF102649.D
Acq: 30 Jan 2018 19:42

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	14.1	11.0	16.4





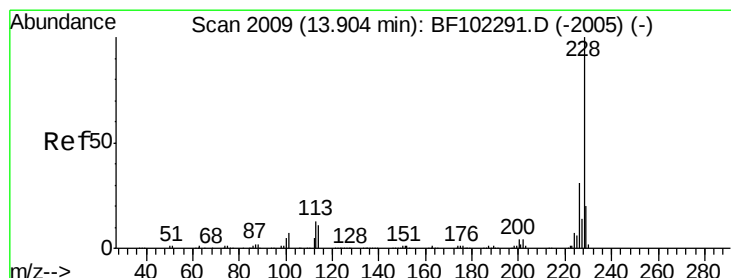
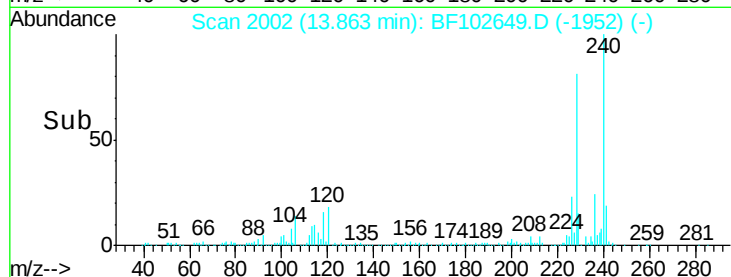
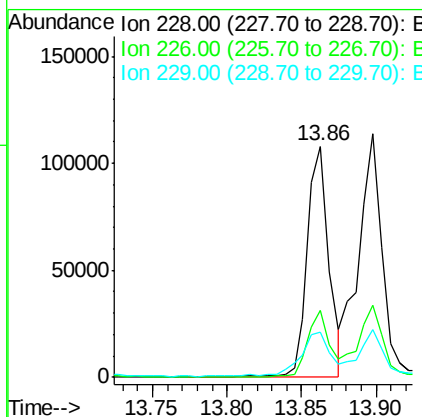
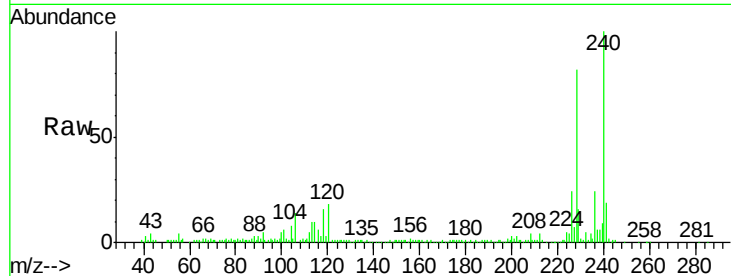
#80
Benzo(a)anthracene
Concen: 5.043 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF102649.D
Acq: 30 Jan 2018 19:42

Instrument :
BNA_F
ClientSampled :
SPRING-101

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.6	33.8
229	19.7	15.8	23.6

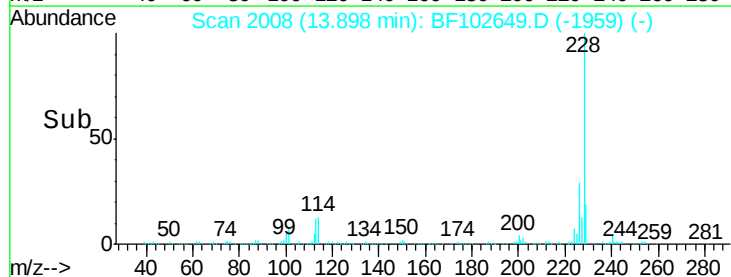
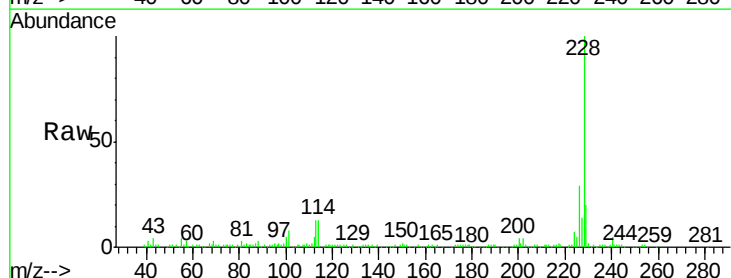
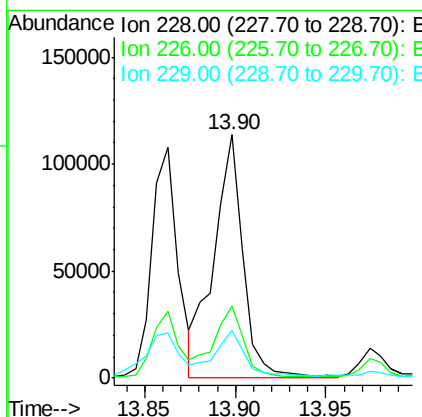
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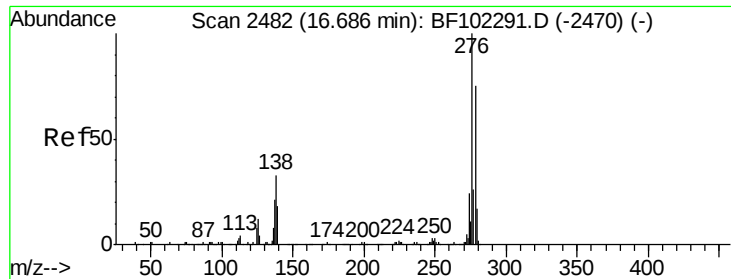
Sohil
1/31/2018 2:00:17 PM



#82
Chrysene
Concen: 5.817 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF102649.D
Acq: 30 Jan 2018 19:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	25.0	37.6
229	19.7	16.2	24.4





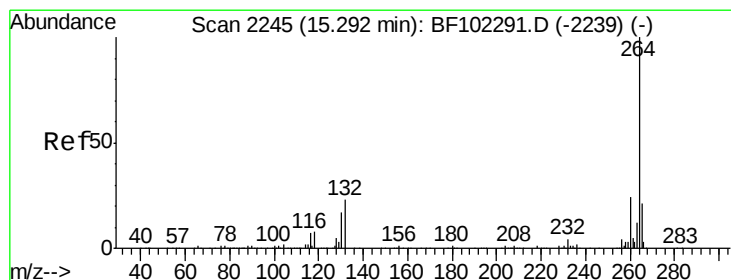
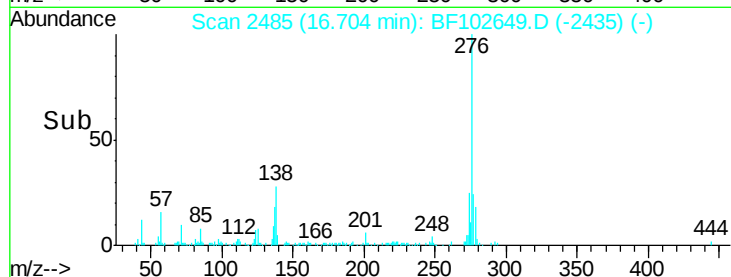
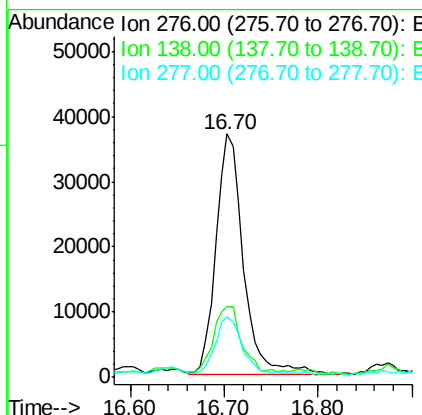
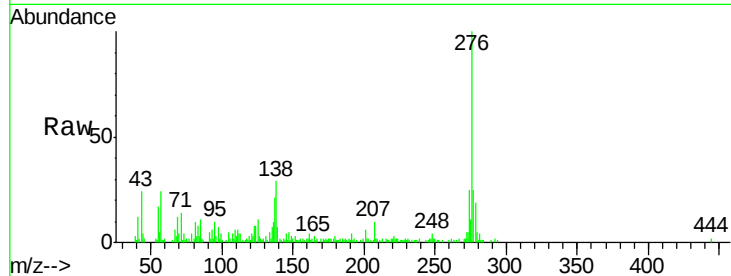
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.187 ng
RT: 16.70 min Scan# 2485
Delta R.T. -0.01 min
Lab File: BF102649.D
Acq: 30 Jan 2018 19:42

Instrument :
BNA_F
ClientSampleId :
SPRING-101

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.9	25.0	37.6
277	22.2	20.1	30.1

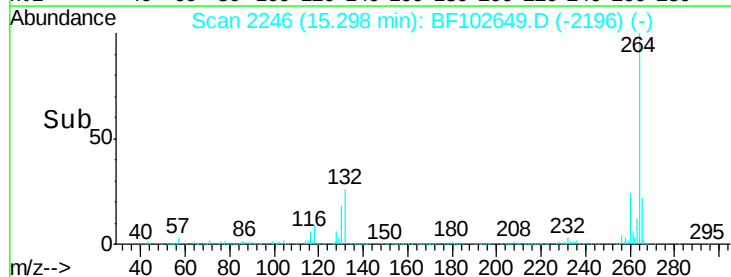
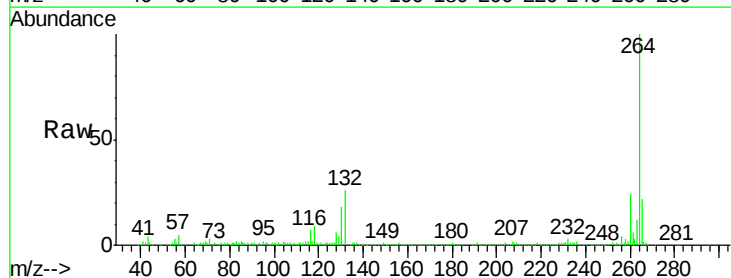
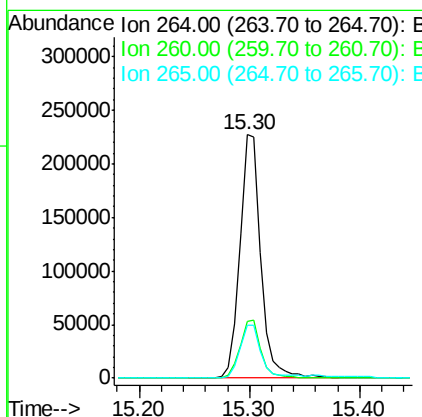
Manual Integrations
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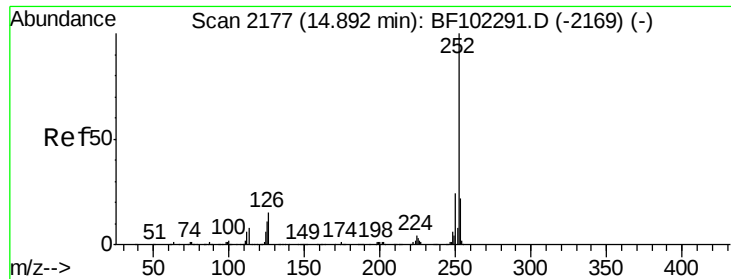
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BF102649.D
Acq: 30 Jan 2018 19:42

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.9	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 7.605 ng m

RT: 14.89 min Scan# 2177

Delta R.T. -0.01 min

Lab File: BF102649.D

Acq: 30 Jan 2018 19:42

Instrument :

BNA_F

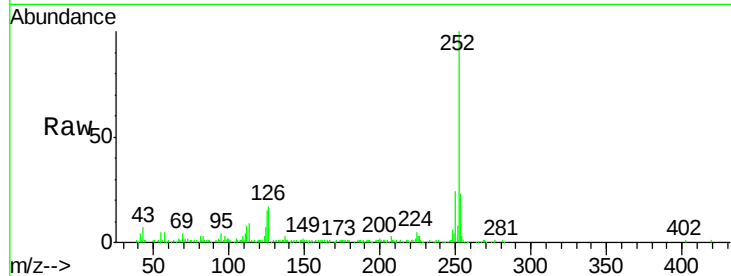
ClientSampled :

SPRING-101

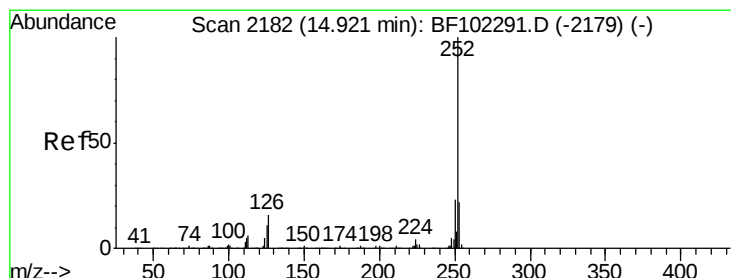
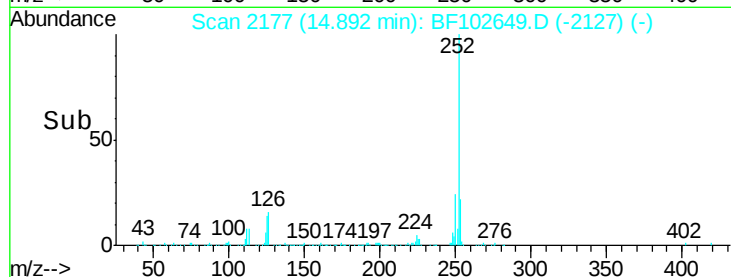
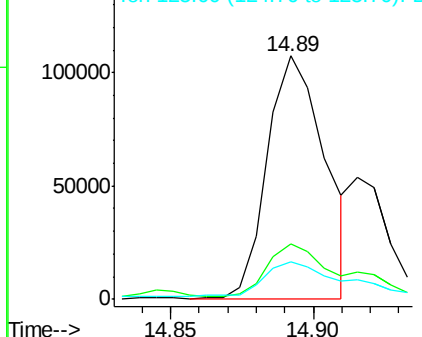
Tot Ion:	252	Resp:	149438
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.0	25.6
125	15.3	9.0	13.6#

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



#88

Benzo(k)fluoranthene

Concen: 2.814 ng m

RT: 14.92 min Scan# 2181

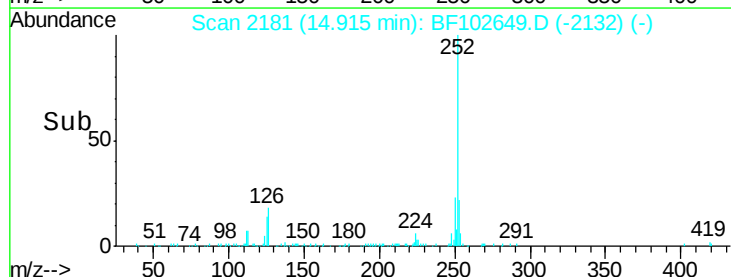
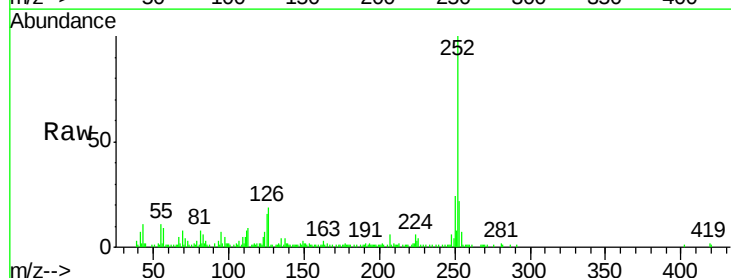
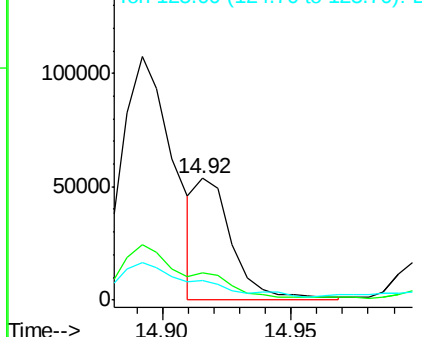
Delta R.T. -0.01 min

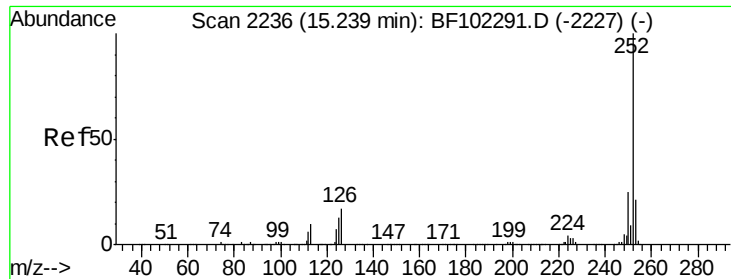
Lab File: BF102649.D

Acq: 30 Jan 2018 19:42

Tgt Ion:	252	Resp:	52244
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.9	26.9
125	16.3	10.2	15.2#

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





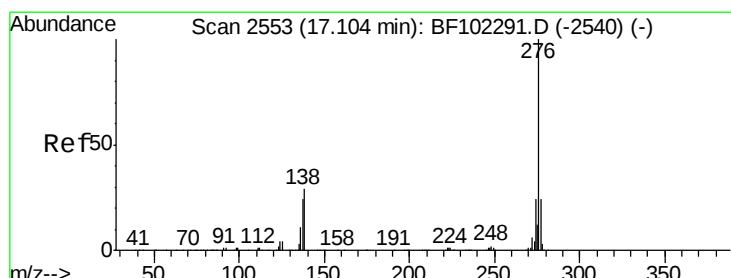
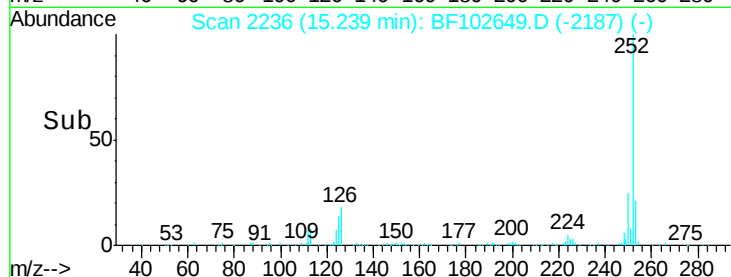
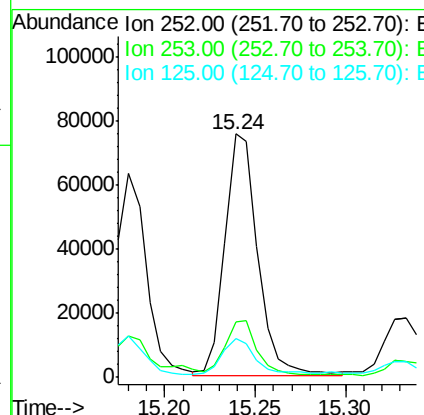
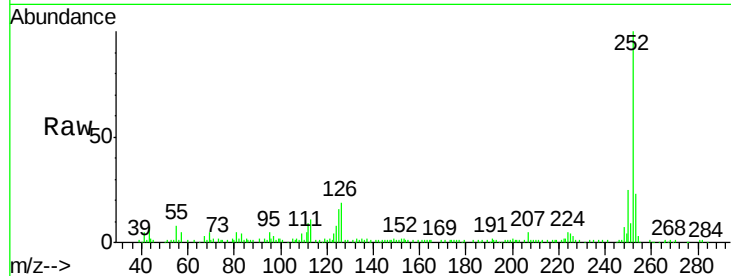
#89
Benzo(a)pyrene
Concen: 5.394 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.01 min
Lab File: BF102649.D
Acq: 30 Jan 2018 19:42

Instrument :
BNA_F
ClientSampled :
SPRING-101

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	15.8	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 5.354 ng
RT: 17.13 min Scan# 2557
Delta R.T. -0.01 min
Lab File: BF102649.D
Acq: 30 Jan 2018 19:42

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.5	17.9	26.9
138	31.0	21.8	32.8

