

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\
 Data File : BF102314.D
 Acq On : 22 Jan 2018 22:04
 Operator : SJ/JU
 Sample : J1238-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-06-0-2.0

Manual Integrations
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Sohil
 1/23/2018 12:46:52 PM

Quant Time: Jan 23 03:02:52 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 22 13:38:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	127145	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	516997	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	218418	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	329285	20.00	ng	0.00
75) Chrysene-d12	13.87	240	244745	20.00	ng	0.00
86) Perylene-d12	15.30	264	200458	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	916980	109.35	ng	0.00
7) Phenol-d6	6.36	99	1100337	108.84	ng	0.00
23) Nitrobenzene-d5	7.29	82	660794	73.45	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	205114	94.78	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1031513	69.44	ng	0.00
78) Terphenyl-d14	12.82	244	718728	66.20	ng	0.00
Target Compounds						
10) Phenol	6.37	94	45474	4.120	ng	96
49) Dimethylphthalate	9.47	163	167485	9.277	ng	100
51) Acenaphthene	9.78	154	34159	2.473	ng	99
70) Phenanthrene	11.26	178	107363	5.595	ng	98
74) Fluoranthene	12.44	202	183421	9.374	ng	99
77) Pyrene	12.67	202	171166	9.045	ng	98
80) Benzo(a)anthracene	13.86	228	97385	6.463	ng	98
82) Chrysene	13.90	228	85071	5.560	ng	96
85) Indeno(1,2,3-cd)pyrene	16.69	276	41383	3.275	ng	95
87) Benzo(b)fluoranthene	14.89	252	109119m	8.398	ng	
88) Benzo(k)fluoranthene	14.92	252	35810m	2.917	ng	
89) Benzo(a)pyrene	15.24	252	73016	6.231	ng	# 92
91) Benzo(a,h,i)perylene	17.12	276	38990	4.160	ng	# 85

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

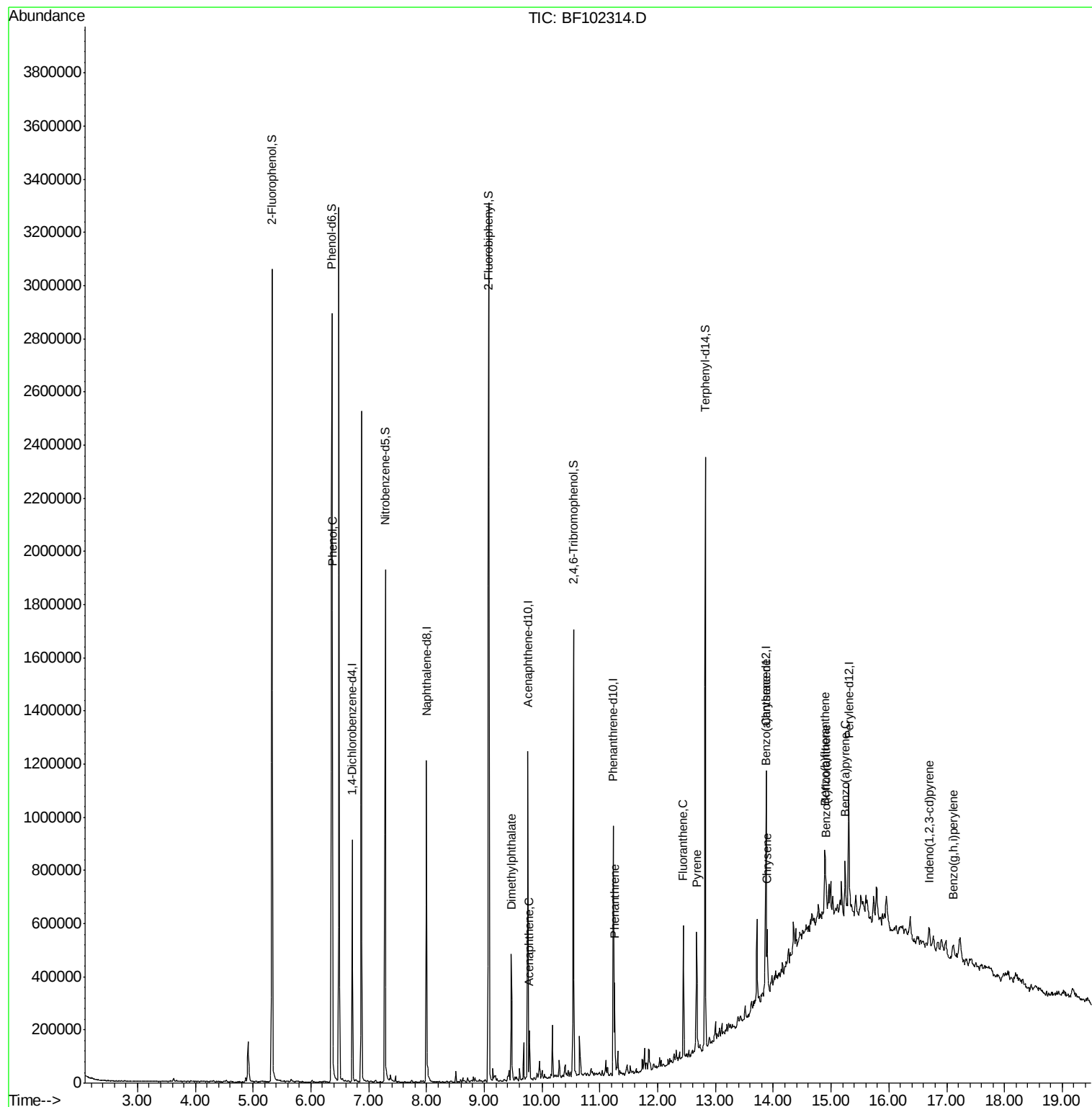
Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\
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ALS Vial : 19 Sample Multiplier: 1

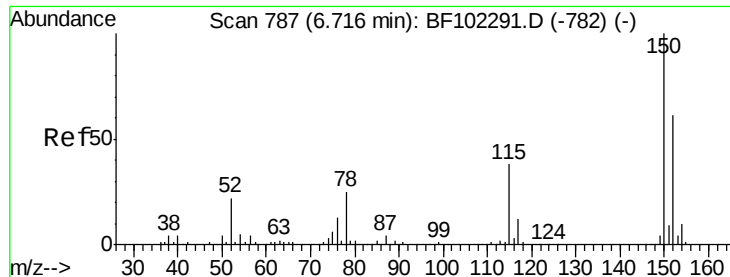
Instrument :
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SB-06-0-2.0

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#1

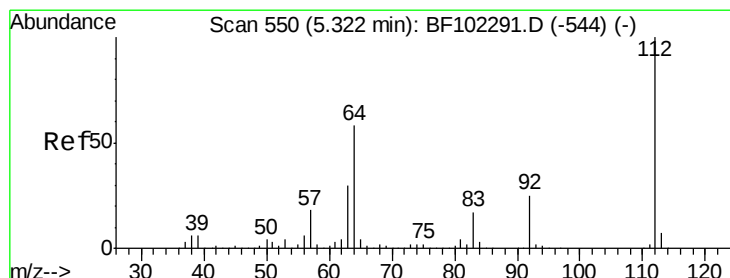
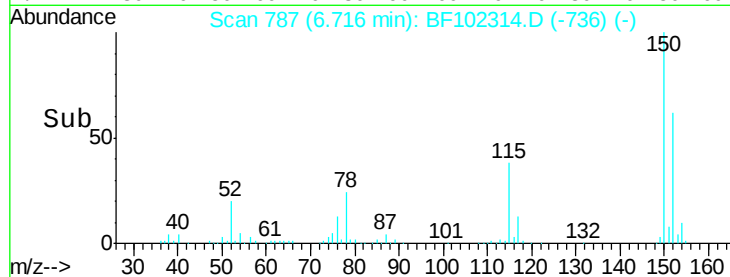
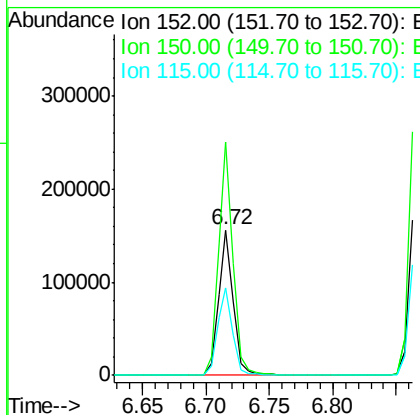
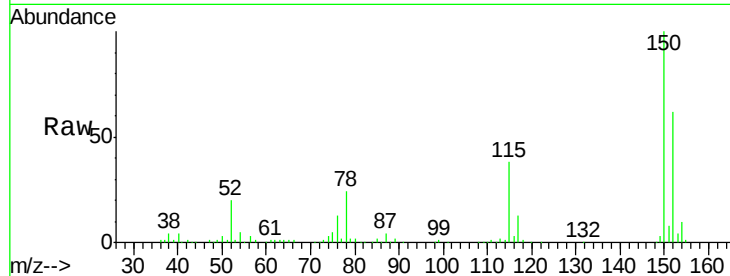
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF102314.D
Acq: 22 Jan 2018 22:04

Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.8	124.6	186.8
115	60.4	50.1	75.1

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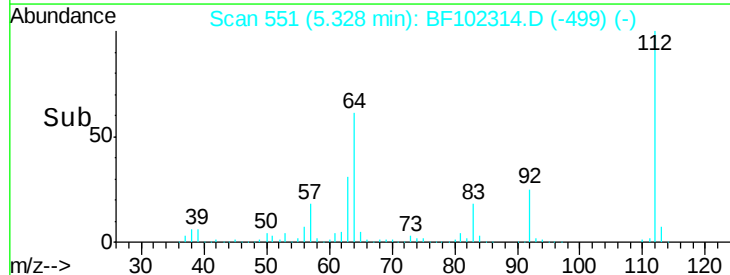
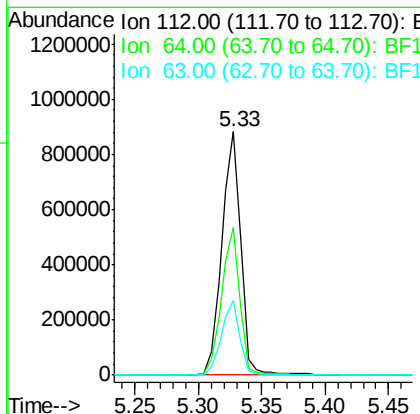
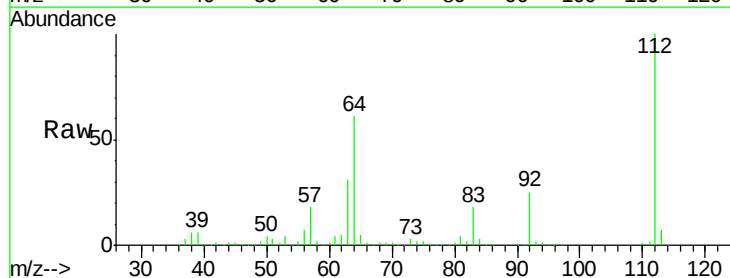
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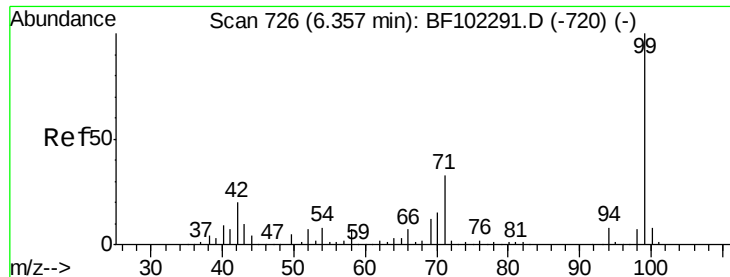


#5

2-Fluorophenol
Concen: 109.354 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102314.D
Acq: 22 Jan 2018 22:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.7	47.9	71.9
63	30.9	23.7	35.5





#7

Phenol-d6

Concen: 108.843 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF102314.D

Acq: 22 Jan 2018 22:04

Instrument :

BNA_F

ClientSampled :

SB-06-0-2.0

Tot Ion: 99 Resp: 1100337

Ion Ratio Lower Upper

99 100

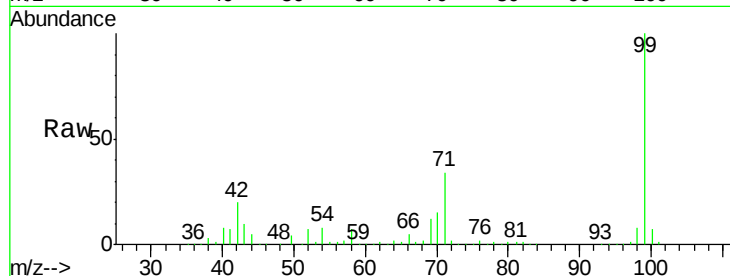
42 19.6 14.5 21.7

71 34.2 25.4 38.0

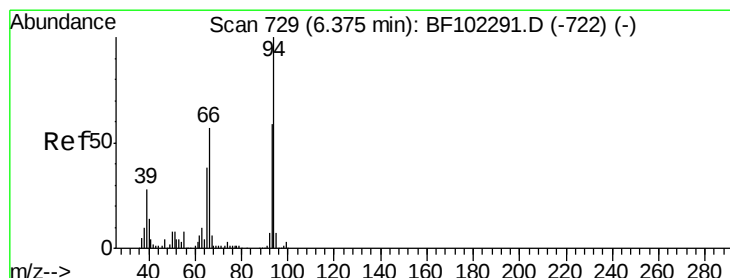
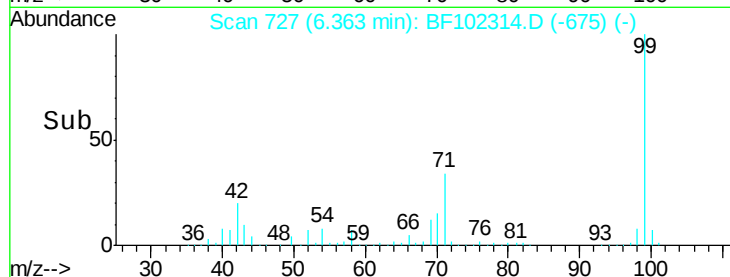
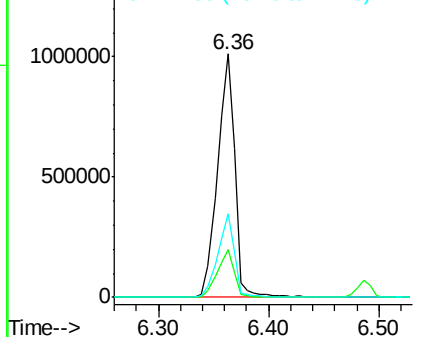
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.120 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF102314.D

Acq: 22 Jan 2018 22:04

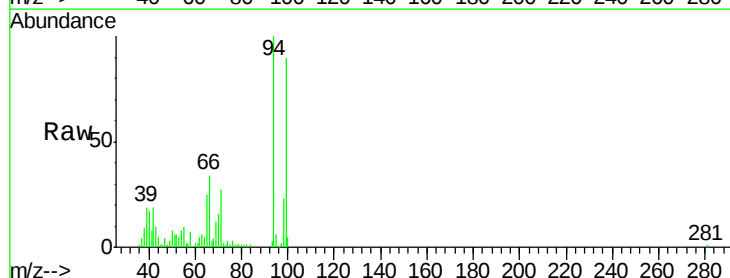
Tgt Ion: 94 Resp: 45474

Ion Ratio Lower Upper

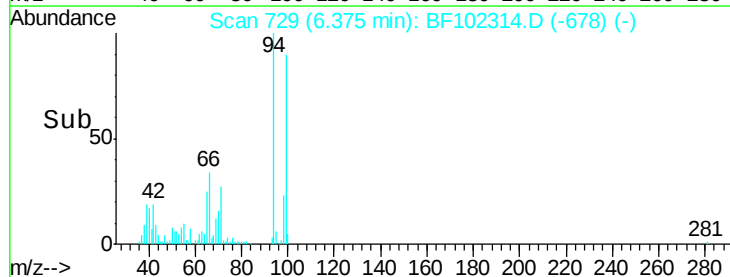
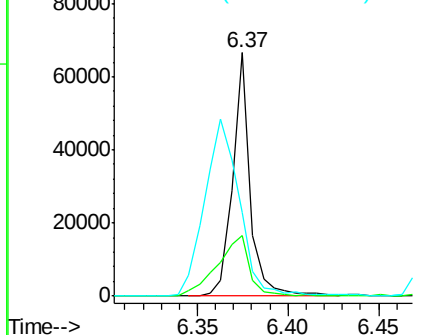
94 100

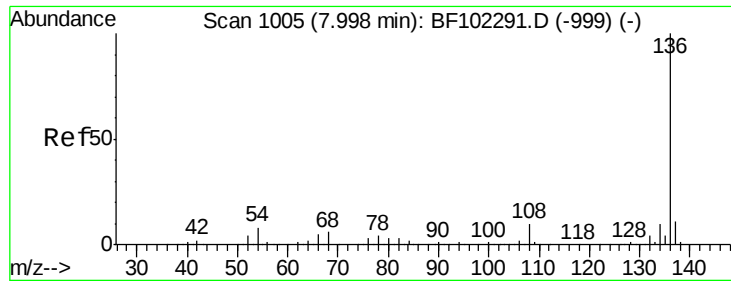
65 24.9 7.9 47.9

66 34.1 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





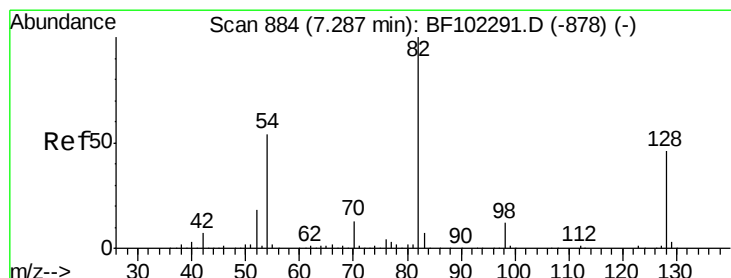
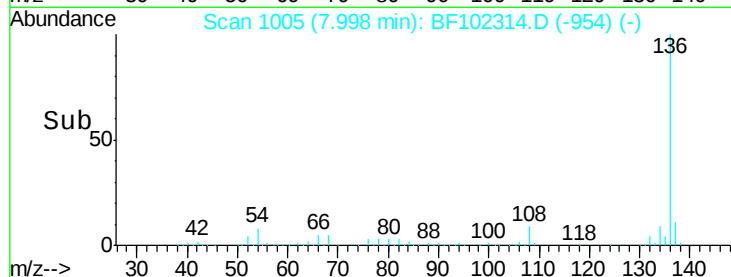
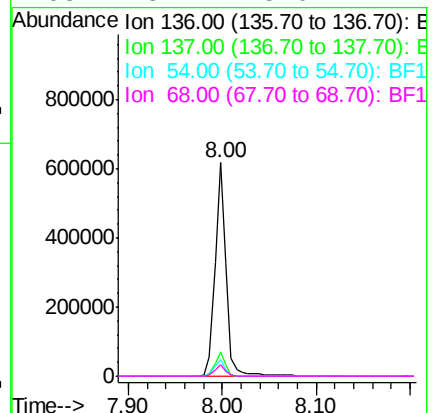
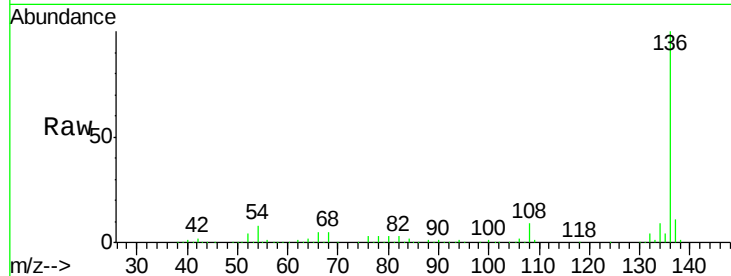
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BF102314.D
Acq: 22 Jan 2018 22:04

Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	7.8	6.6	9.8
68	5.4	5.0	7.4

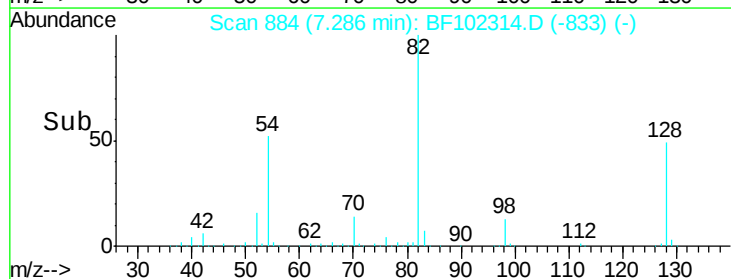
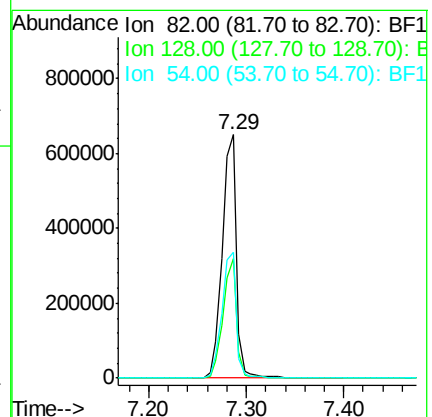
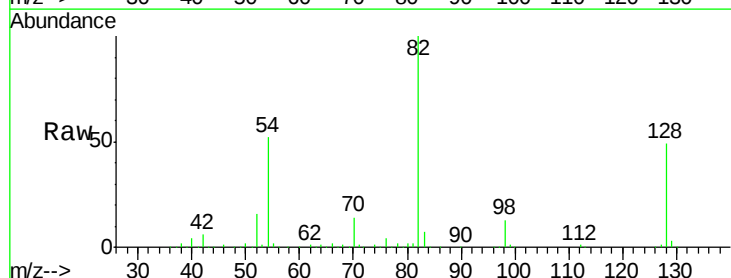
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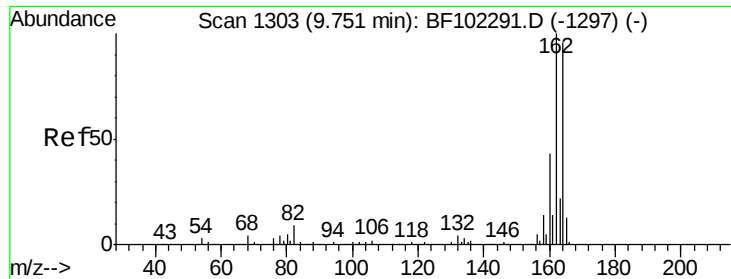
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#23
Nitrobenzene-d5
Concen: 73.451 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.00 min
Lab File: BF102314.D
Acq: 22 Jan 2018 22:04

Tgt Ion	Ratio	Lower	Upper
82	100		
128	49.0	36.1	54.1
54	51.5	41.4	62.2





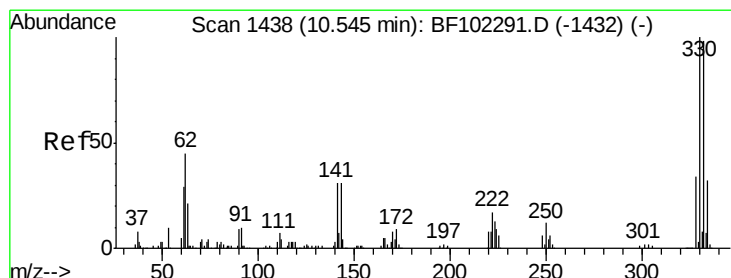
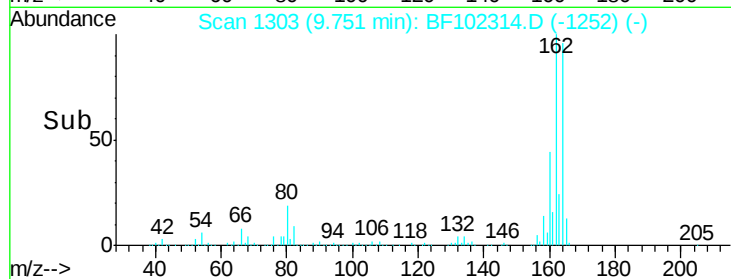
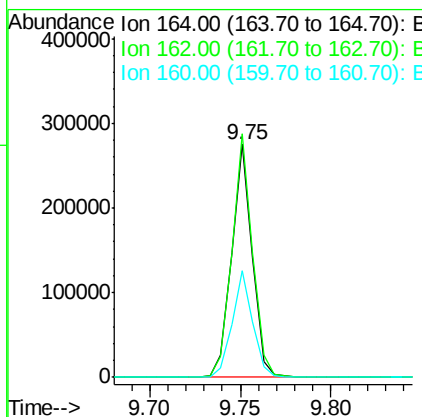
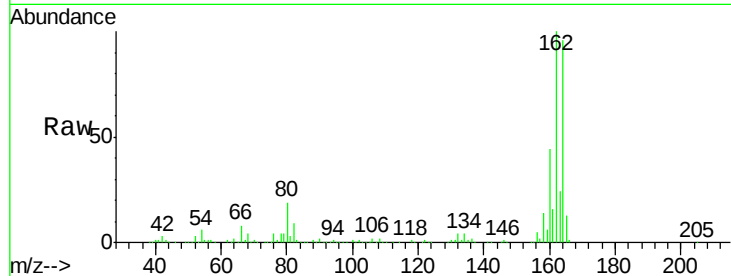
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.00 min
 Lab File: BF102314.D
 Acq: 22 Jan 2018 22:04

Instrument :
 BNA_F
 ClientSampleId :
 SB-06-0-2.0

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.3	86.1	129.1	
160	45.7	38.3	57.5	

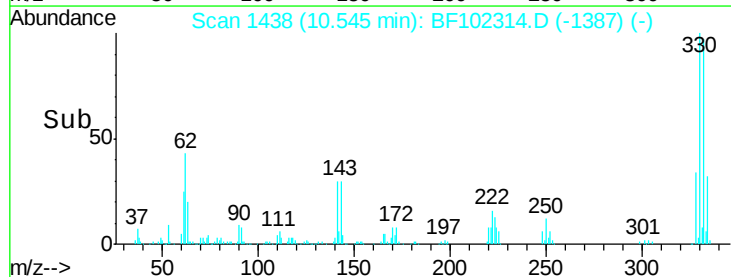
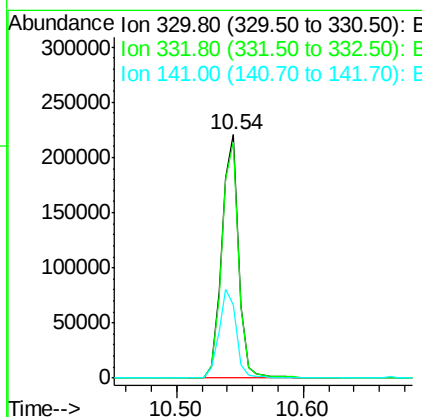
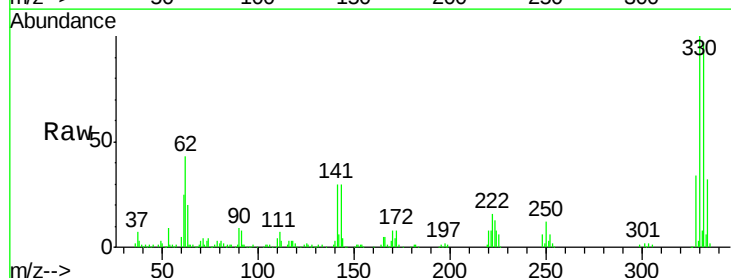
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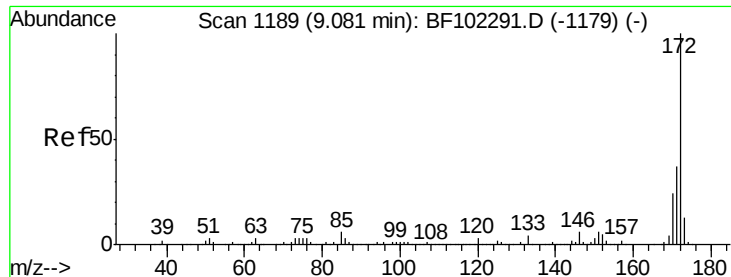
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#41
 2,4,6-Tribromophenol
 Concen: 94.776 ng
 RT: 10.54 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: BF102314.D
 Acq: 22 Jan 2018 22:04

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.3	77.0	115.6	
141	38.3	29.9	44.9	





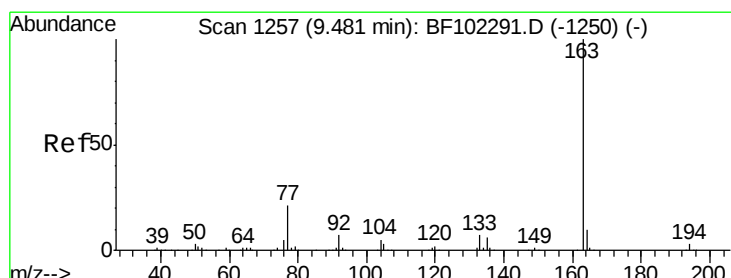
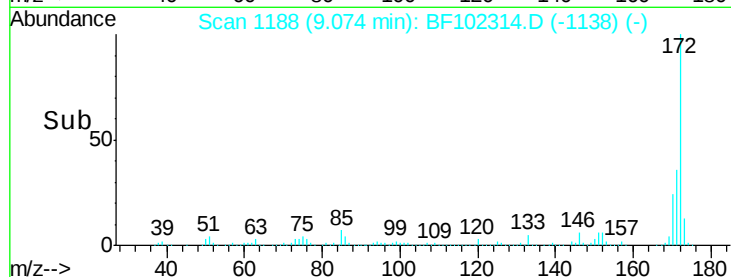
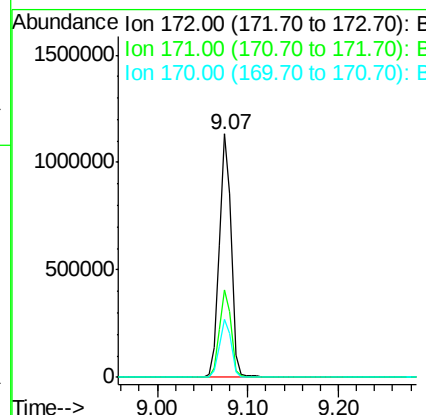
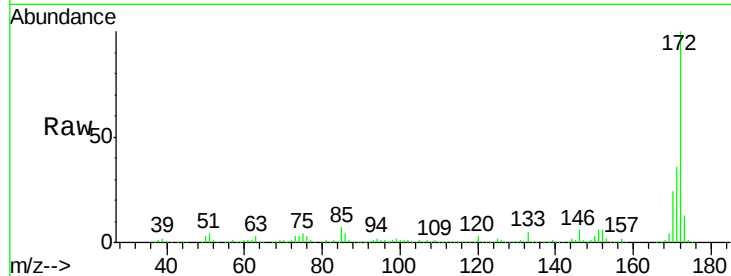
#44
2-Fluorobiphenyl
Concen: 69.440 ng
RT: 9.07 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BF102314.D
Acq: 22 Jan 2018 22:04

Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	23.8	19.6	29.4

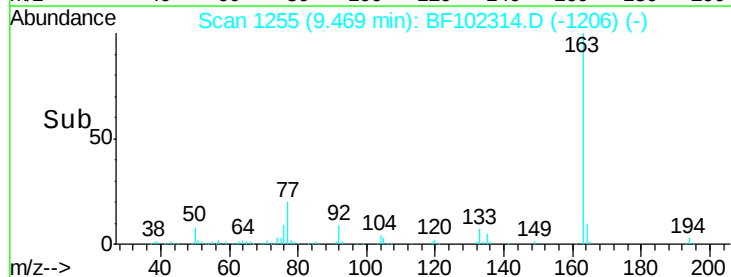
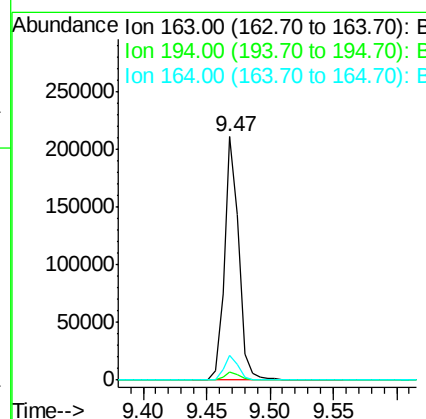
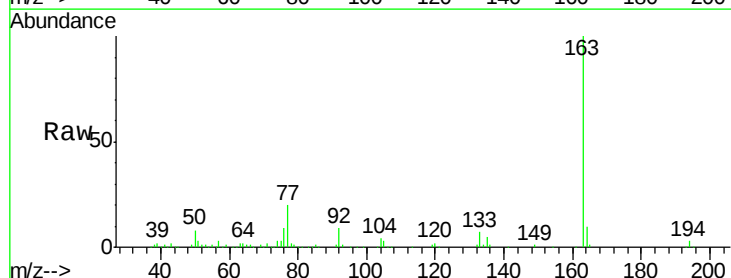
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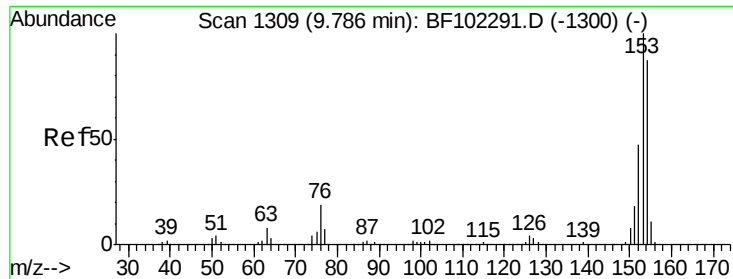
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#49
Dimethylphthalate
Concen: 9.277 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF102314.D
Acq: 22 Jan 2018 22:04

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.7	4.1
164	10.1	8.2	12.2





#51

Acenaphthene

Concen: 2.473 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF102314.D

Acq: 22 Jan 2018 22:04

Instrument :

BNA_F

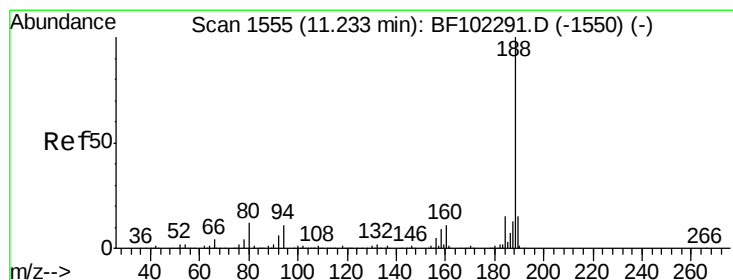
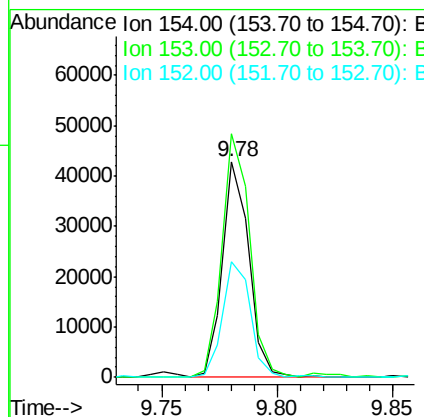
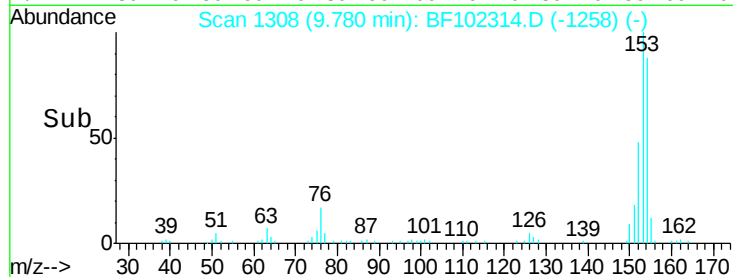
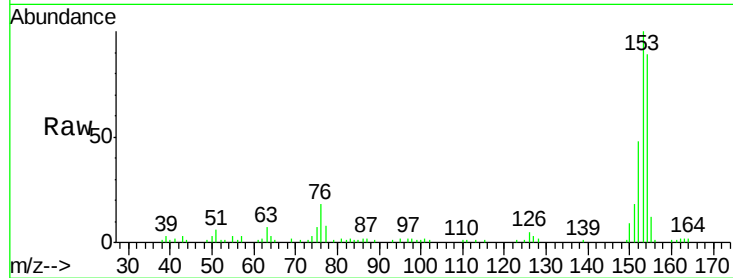
ClientSampleId :

SB-06-0-2.0

Tot Ion:	154	Resp:	34159
Ion Ratio	Lower	Upper	
154	100		
153	112.8	91.2	136.8
152	53.6	43.8	65.8

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.000 ng

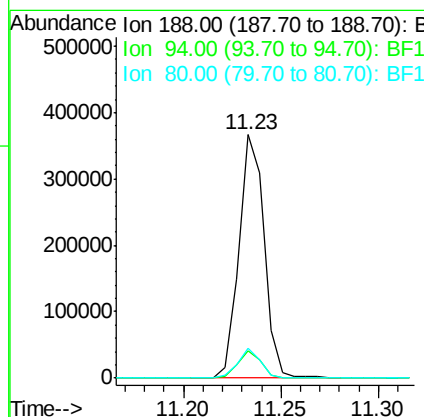
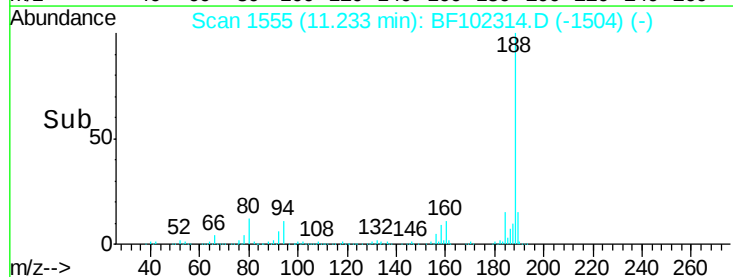
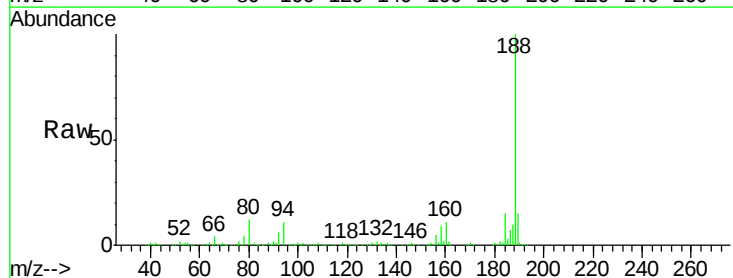
RT: 11.23 min Scan# 1555

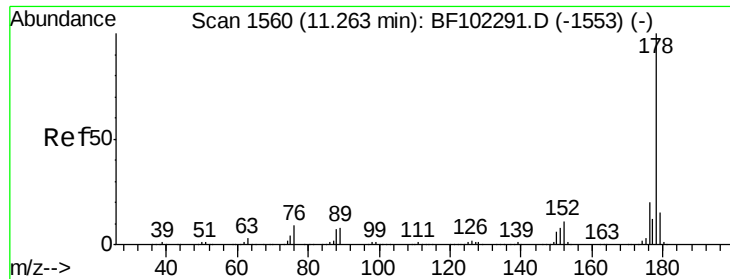
Delta R.T. -0.00 min

Lab File: BF102314.D

Acq: 22 Jan 2018 22:04

Tgt Ion:	188	Resp:	329285
Ion Ratio	Lower	Upper	
188	100		
94	11.2	8.5	12.7
80	12.3	9.2	13.8





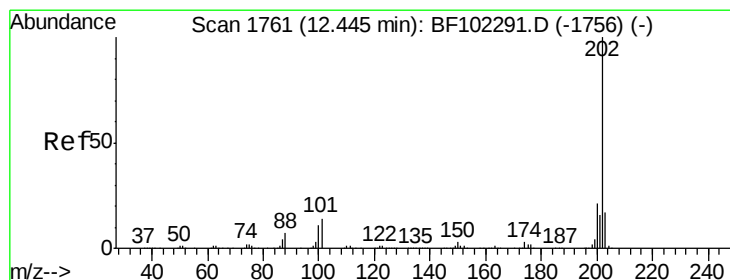
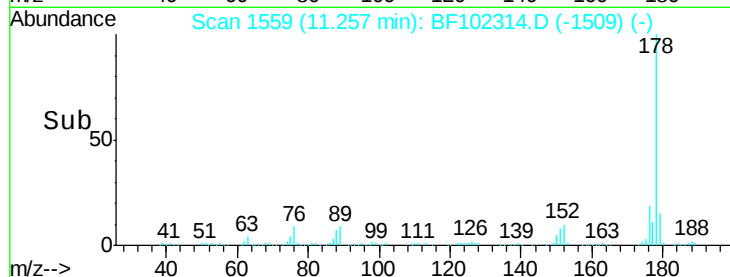
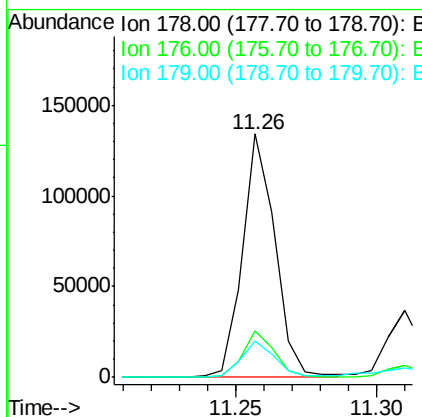
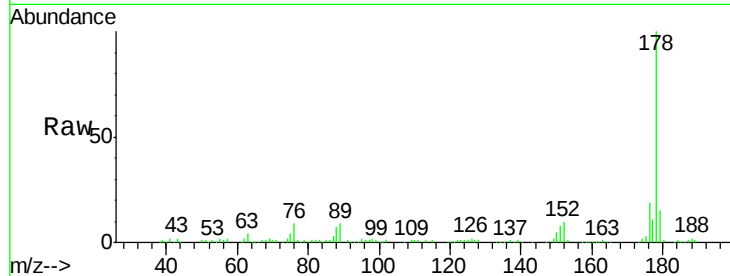
#70
Phenanthrene
Concen: 5.595 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF102314.D
Acq: 22 Jan 2018 22:04

Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	14.9	13.0	19.6

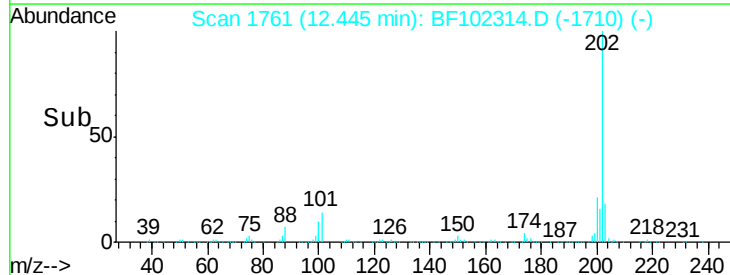
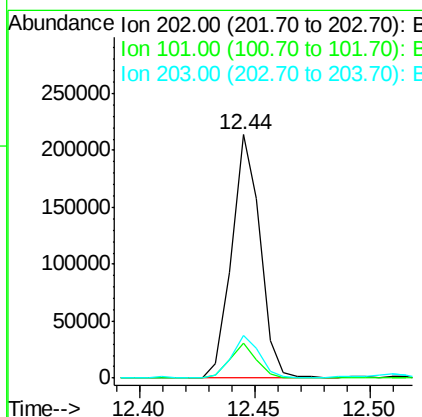
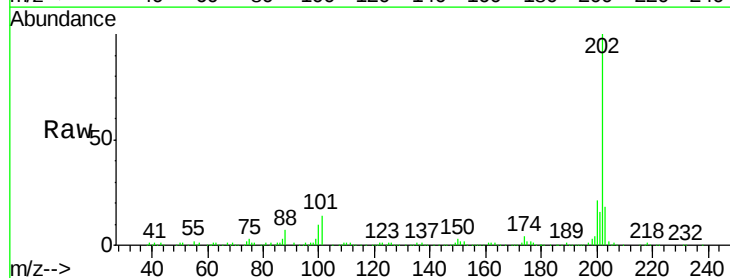
Manual Integrations
APPROVED

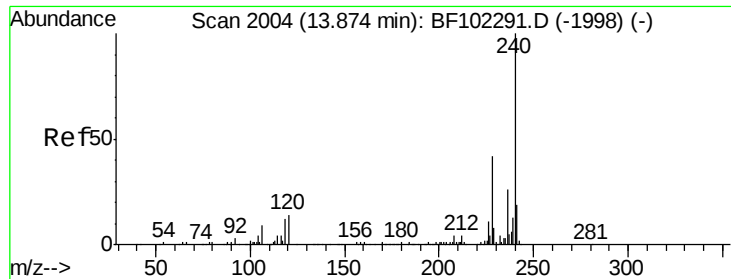
Sohil
1/23/2018 12:46:52 PM



#74
Fluoranthene
Concen: 9.374 ng
RT: 12.44 min Scan# 1761
Delta R.T. -0.00 min
Lab File: BF102314.D
Acq: 22 Jan 2018 22:04

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.3	0.0	34.1
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BF102314.D

Acq: 22 Jan 2018 22:04

Instrument :

BNA_F

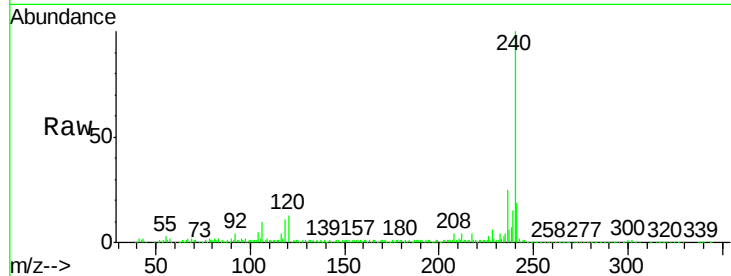
ClientSampleId :

SB-06-0-2.0

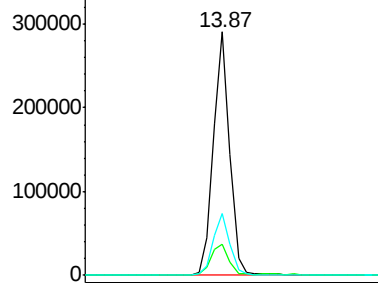
Tot Ion:	240	Resp:	244745
Ion Ratio	Lower	Upper	
240	100		
120	13.0	9.5	14.3
236	25.3	20.7	31.1

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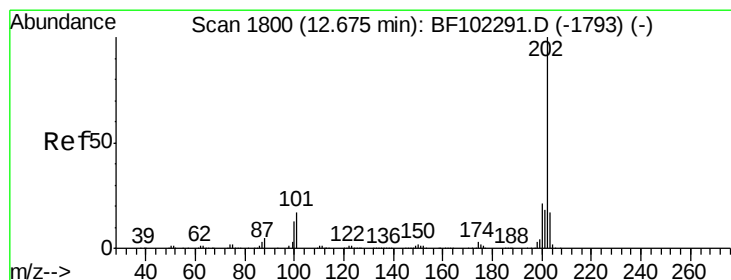
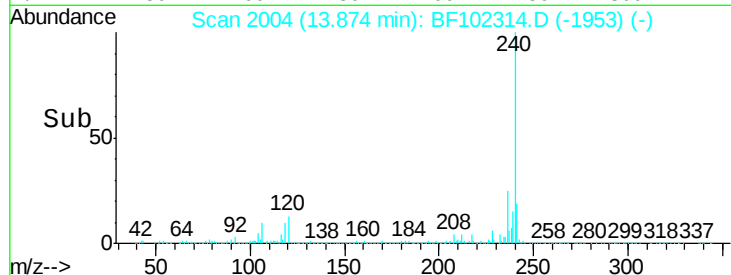
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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time-->



#77

Pyrene

Concen: 9.045 ng

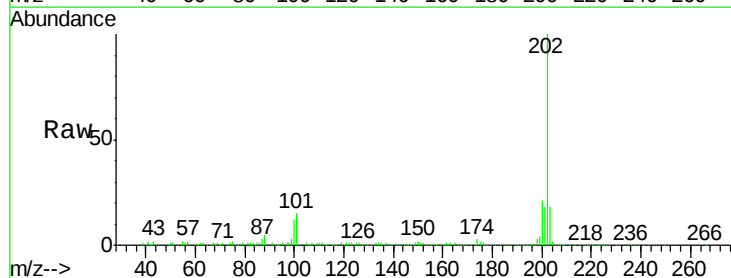
RT: 12.67 min Scan# 1800

Delta R.T. -0.00 min

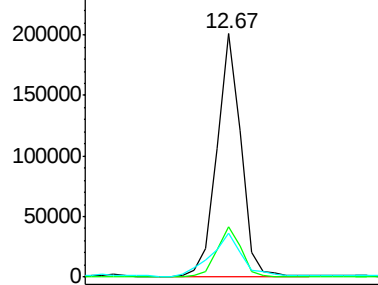
Lab File: BF102314.D

Acq: 22 Jan 2018 22:04

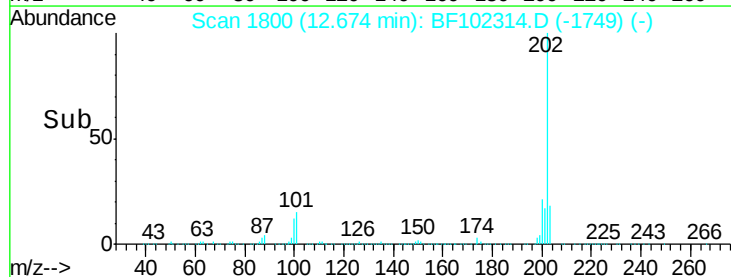
Tgt Ion:	202	Resp:	171166
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.4	26.2
203	18.2	14.3	21.5

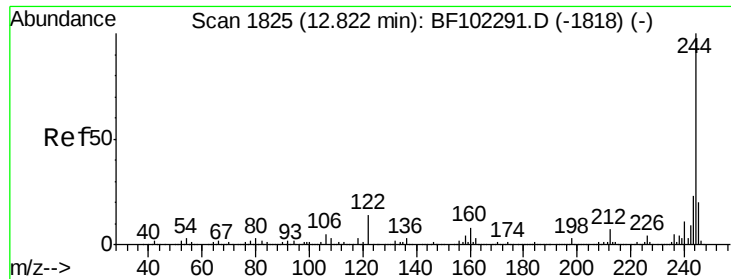


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->





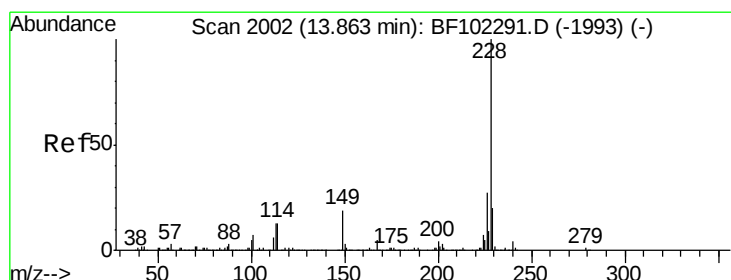
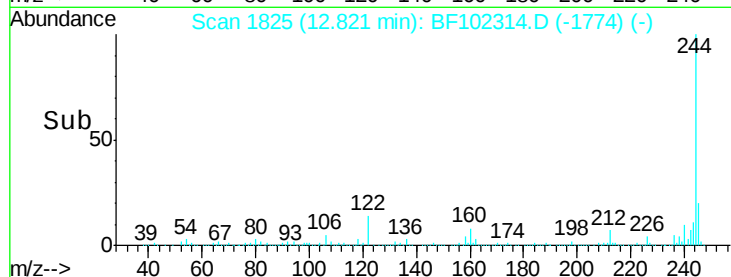
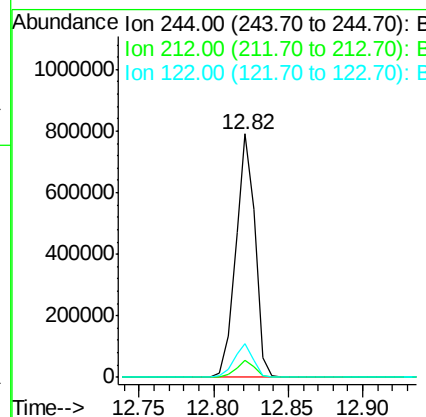
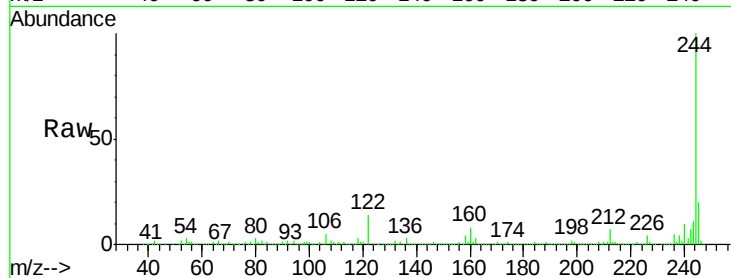
#78
 Terphenyl-d14
 Concen: 66.202 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.00 min
 Lab File: BF102314.D
 Acq: 22 Jan 2018 22:04

Instrument :
 BNA_F
 ClientSampleId :
 SB-06-0-2.0

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	13.7	11.0	16.4

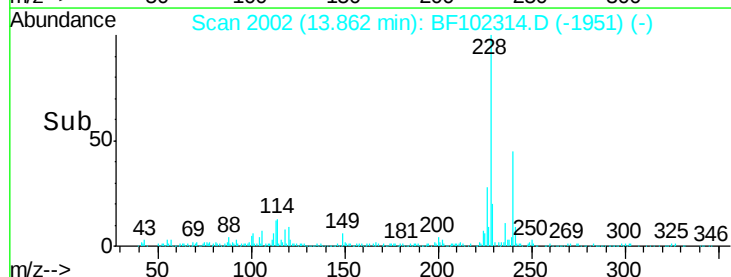
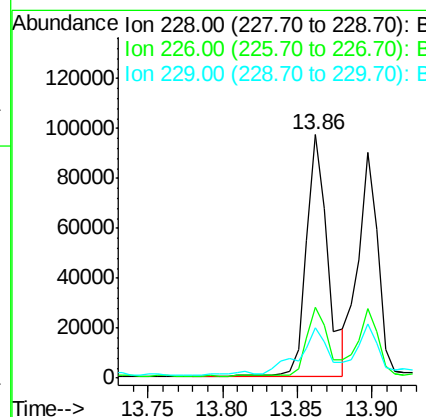
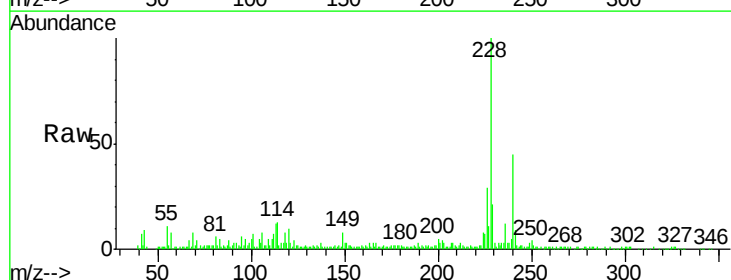
Manual Integrations
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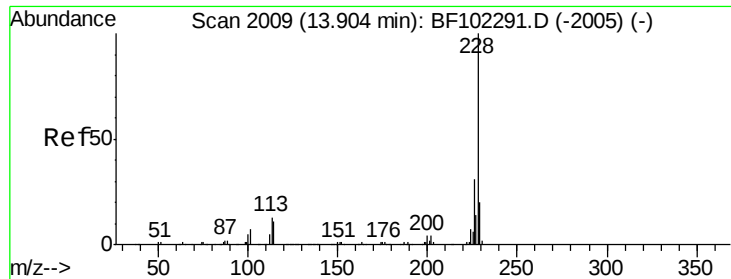
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#80
 Benzo(a)anthracene
 Concen: 6.463 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: BF102314.D
 Acq: 22 Jan 2018 22:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.6	33.8
229	20.5	15.8	23.6





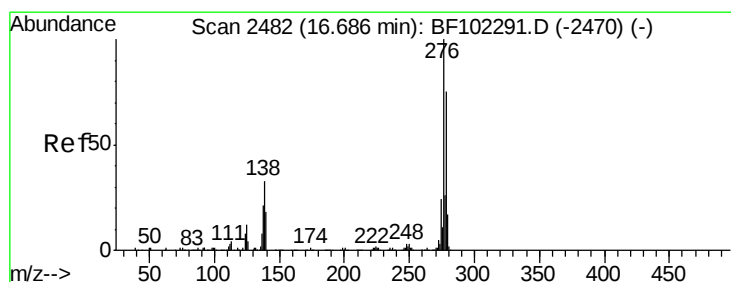
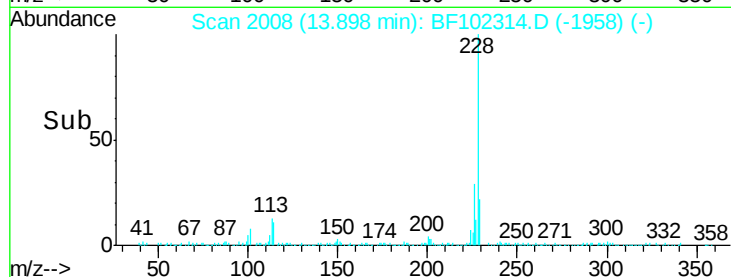
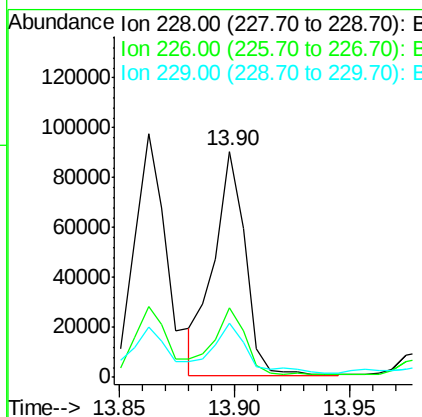
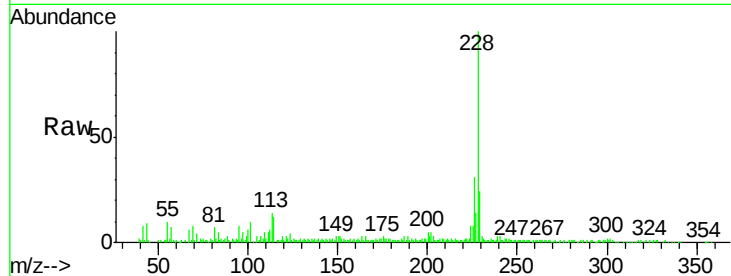
#82
Chrysene
Concen: 5.560 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF102314.D
Acq: 22 Jan 2018 22:04

Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0

Tot Ion:	228	Resp:	85071
Ion Ratio	Lower	Upper	
228	100		
226	30.8	25.0	37.6
229	24.2	16.2	24.4

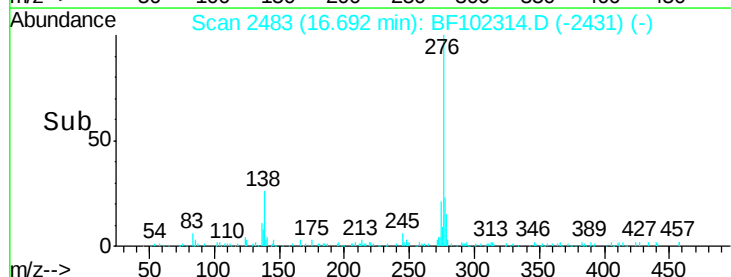
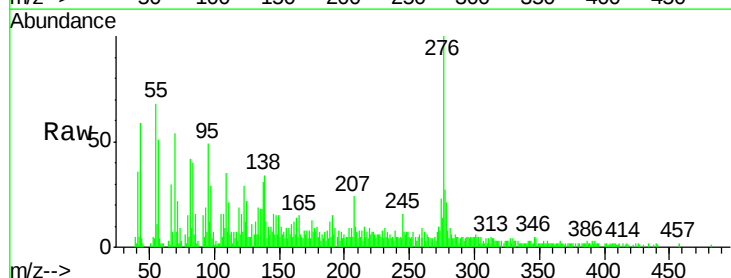
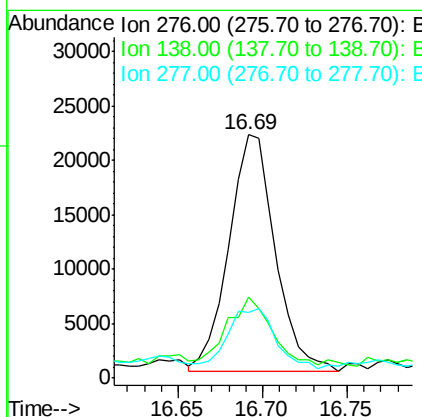
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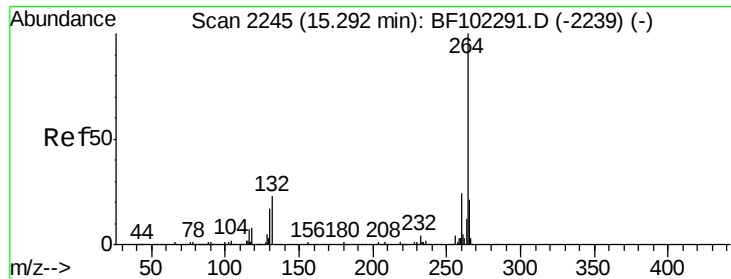
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.275 ng
RT: 16.69 min Scan# 2483
Delta R.T. 0.01 min
Lab File: BF102314.D
Acq: 22 Jan 2018 22:04

Tgt Ion:	276	Resp:	41383
Ion Ratio	Lower	Upper	
276	100		
138	27.3	25.0	37.6
277	25.9	20.1	30.1





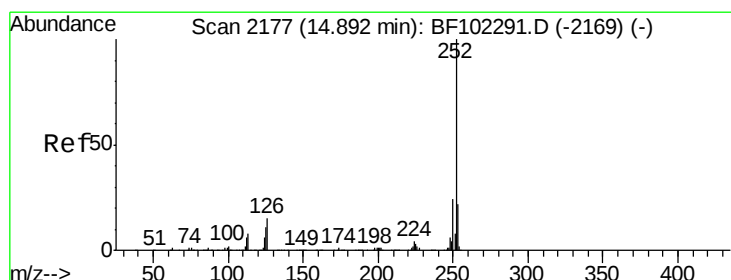
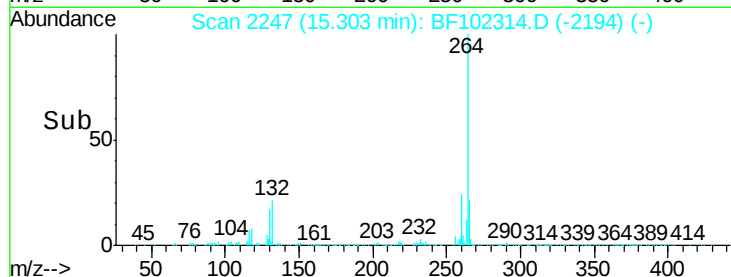
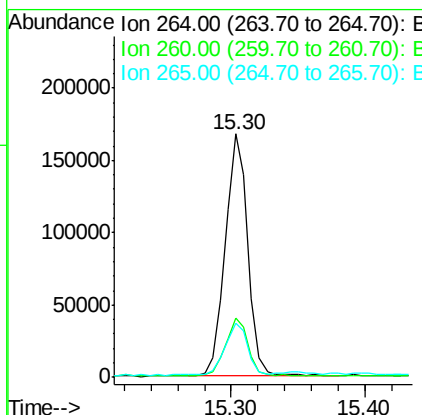
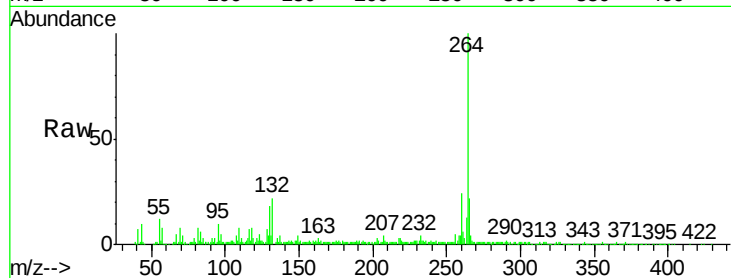
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2247
Delta R.T. 0.01 min
Lab File: BF102314.D
Acq: 22 Jan 2018 22:04

Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.1	17.5	26.3

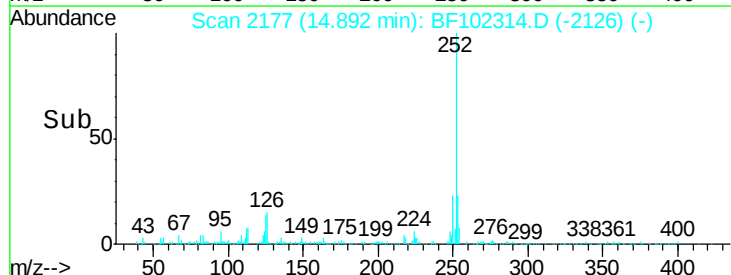
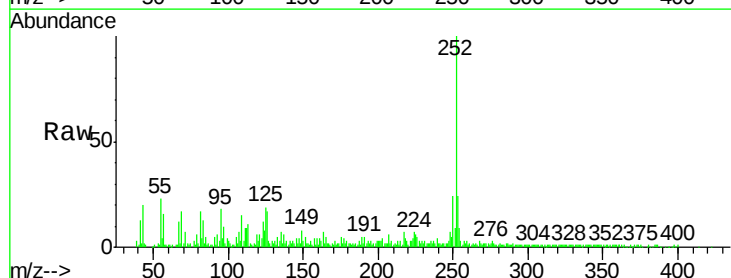
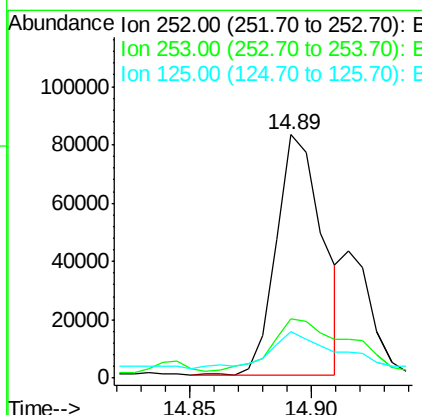
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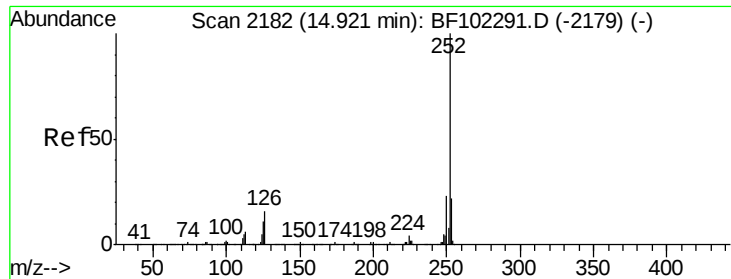
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#87
Benzo(b)fluoranthene
Concen: 8.398 ng m
RT: 14.89 min Scan# 2177
Delta R.T. -0.00 min
Lab File: BF102314.D
Acq: 22 Jan 2018 22:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.0	25.6
125	19.0	9.0	13.6#





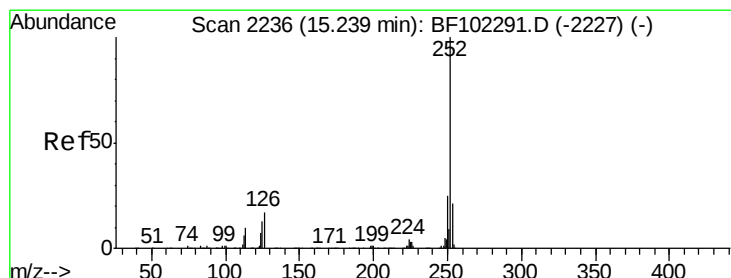
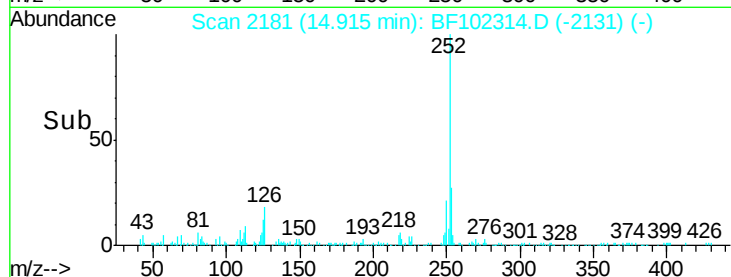
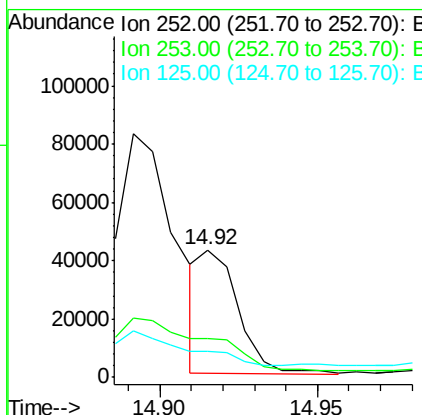
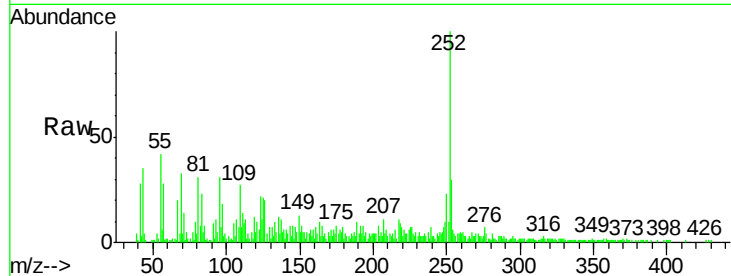
#88
Benzo(k)fluoranthene
Concen: 2.917 ng m
RT: 14.92 min Scan# 2181
Delta R.T. -0.01 min
Lab File: BF102314.D
Acq: 22 Jan 2018 22:04

Instrument :
BNA_F
ClientSampled :
SB-06-0-2.0

Tot Ion	Ratio	Lower	Upper
252	100		
253	30.0	17.9	26.9#
125	20.9	10.2	15.2#

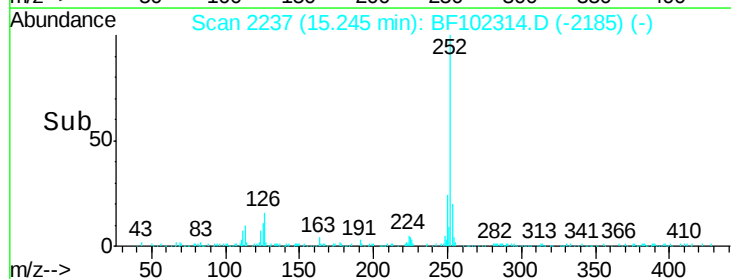
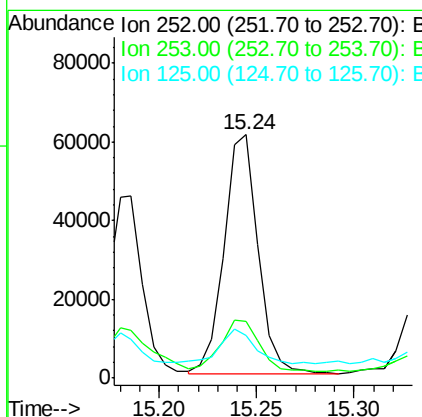
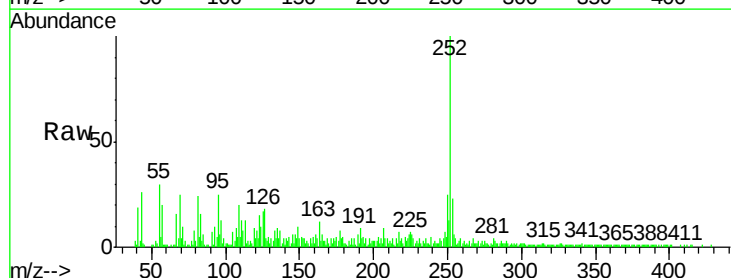
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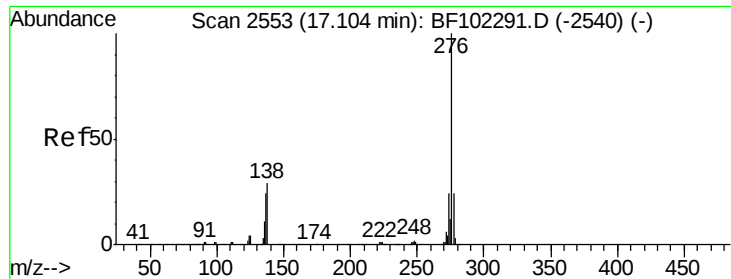
Sohil
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#89
Benzo(a)pyrene
Concen: 6.231 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.01 min
Lab File: BF102314.D
Acq: 22 Jan 2018 22:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	17.5	9.8	14.6#





#91
 Benzo(a,h,i)perylene
 Concen: 4.160 ng
 RT: 17.12 min Scan# 2555
 Delta R.T. 0.01 min
 Lab File: BF102314.D
 Acq: 22 Jan 2018 22:04

Instrument :
 BNA_F
 ClientSampleId :
 SB-06-0-2.0

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.9	17.9	26.9#
138	36.5	21.8	32.8#

Manual Integrations
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