

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\
 Data File : BF102313.D
 Acq On : 22 Jan 2018 21:37
 Operator : SJ/JU
 Sample : J1238-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-08-0-2.0

Manual Integrations
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 1/23/2018 12:46:49 PM

Quant Time: Jan 23 02:54:25 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	133318	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	544318	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	222588	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	334644	20.00	ng	0.00
75) Chrysene-d12	13.87	240	257393	20.00	ng	0.00
86) Perylene-d12	15.30	264	211858	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	936487	106.51	ng	0.00
7) Phenol-d6	6.36	99	1132469	106.83	ng	0.00
23) Nitrobenzene-d5	7.29	82	687778	72.61	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	204993	92.95	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1055183	69.70	ng	0.00
78) Terphenyl-d14	12.82	244	704227	61.68	ng	0.00
Target Compounds						
10) Phenol	6.37	94	46764	4.041	ng	98
49) Dimethylphthalate	9.47	163	169775	9.228	ng	99
70) Phenanthrene	11.26	178	148152	7.597	ng	97
71) Anthracene	11.31	178	48699	2.447	ng	97
74) Fluoranthene	12.44	202	268904	13.522	ng	99
77) Pyrene	12.67	202	269349	13.535	ng	98
80) Benzo(a)anthracene	13.86	228	150093	9.471	ng	97
82) Chrysene	13.90	228	132976	8.263	ng	96
83) Bis(2-ethylhexyl)phthalate	13.86	149	109273	8.210	ng	100
85) Indeno(1,2,3-cd)pyrene	16.69	276	57869	4.354	ng	97
87) Benzo(b)fluoranthene	14.89	252	171016m	12.454	ng	
88) Benzo(k)fluoranthene	14.92	252	45304m	3.492	ng	
89) Benzo(a)pyrene	15.24	252	108640	8.772	ng	# 95
91) Benzo(a,h,i)perylene	17.10	276	57849	5.840	ng	95

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

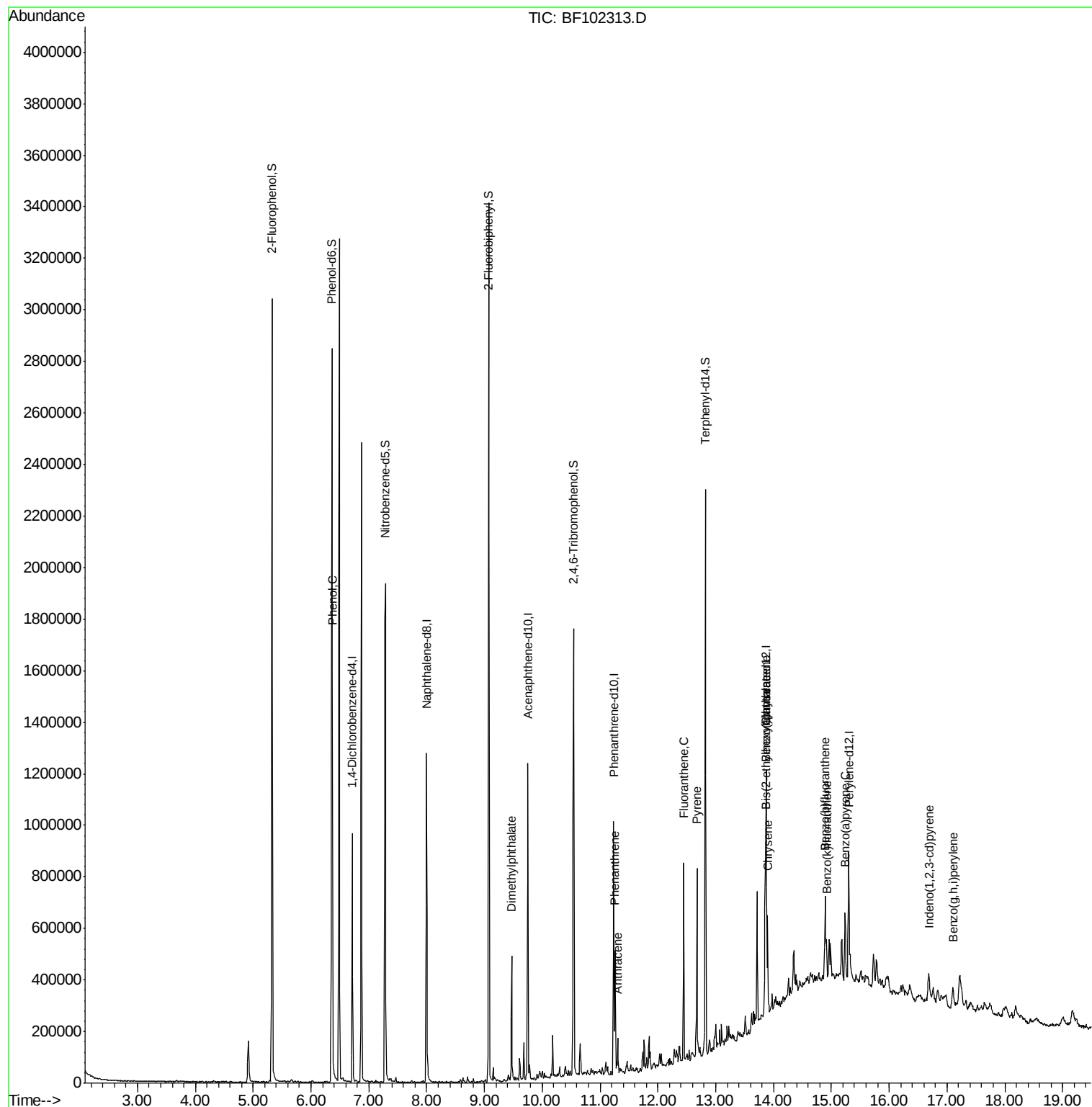
Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\
Data File : BF102313.D
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Operator : SJ/JU
Sample : J1238-04
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ALS Vial : 18 Sample Multiplier: 1

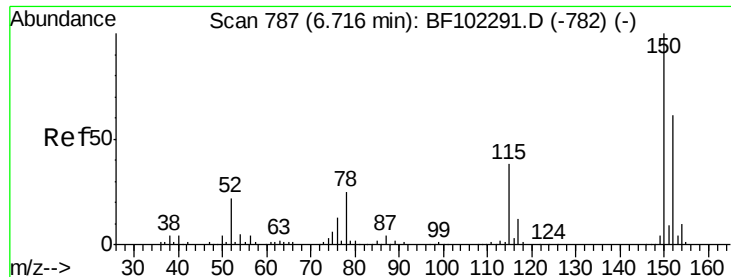
Instrument :
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#1

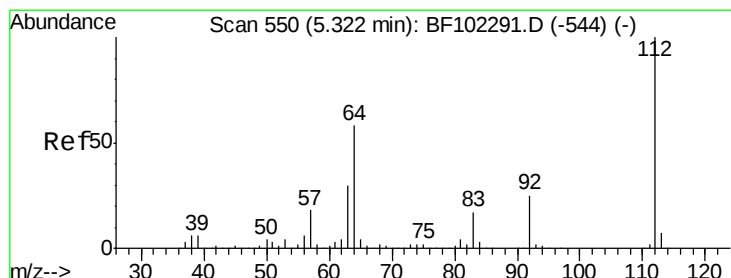
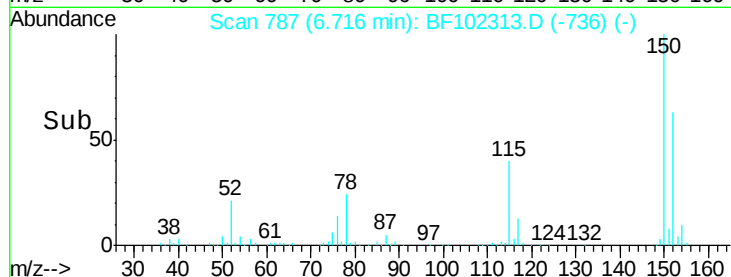
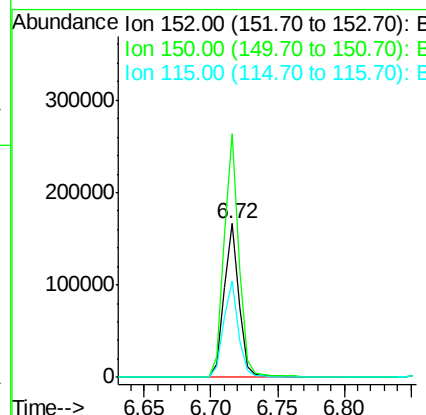
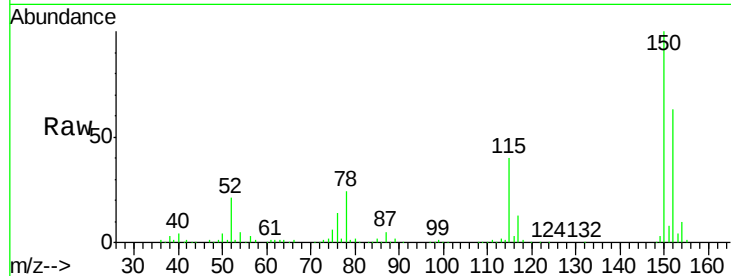
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF102313.D
Acq: 22 Jan 2018 21:37

Instrument :
BNA_F
ClientSampleId :
SB-08-0-2.0

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.7	124.6	186.8
115	63.0	50.1	75.1

Manual Integrations
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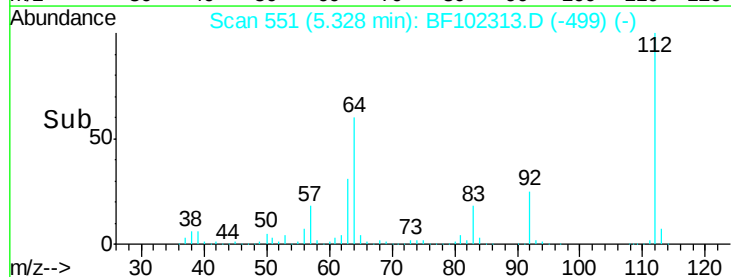
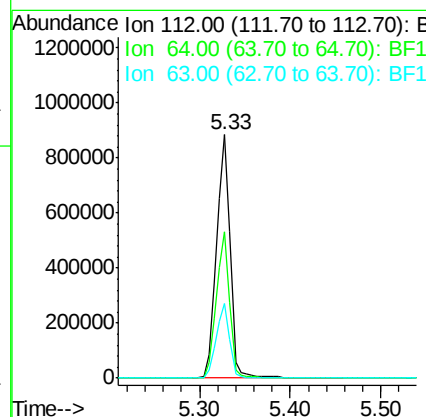
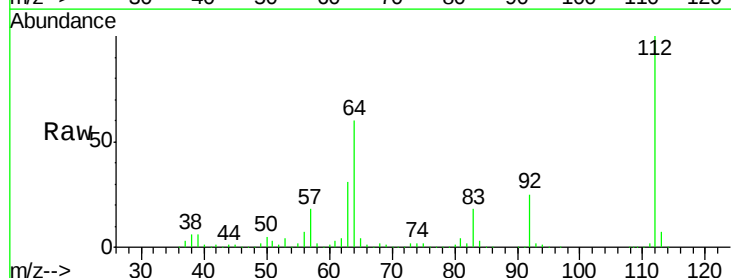
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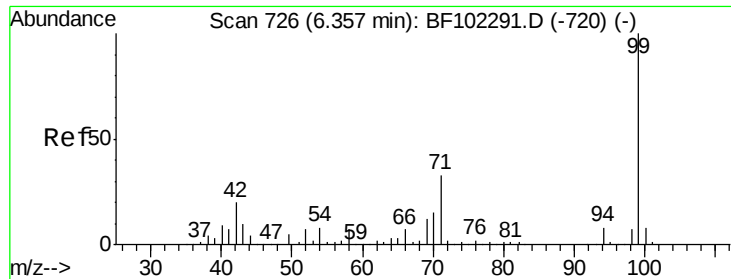


#5

2-Fluorophenol
Concen: 106.509 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102313.D
Acq: 22 Jan 2018 21:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.0	47.9	71.9
63	30.8	23.7	35.5





#7

Phenol-d6

Concen: 106.834 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF102313.D

Acq: 22 Jan 2018 21:37

Instrument :

BNA_F

ClientSampled :

SB-08-0-2.0

Tot Ion: 99 Resp: 1132469

Ion Ratio Lower Upper

99 100

42 19.1 14.5 21.7

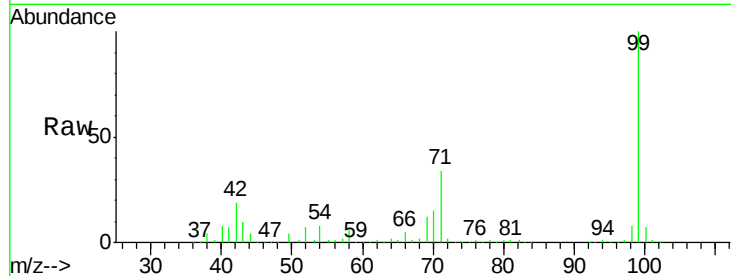
71 33.9 25.4 38.0

Manual Integrations

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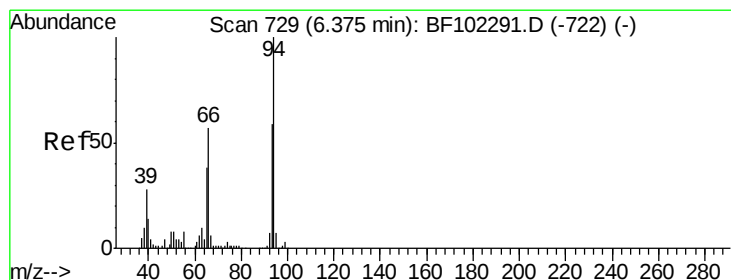
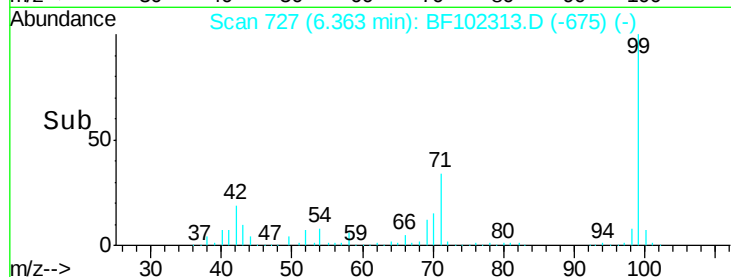
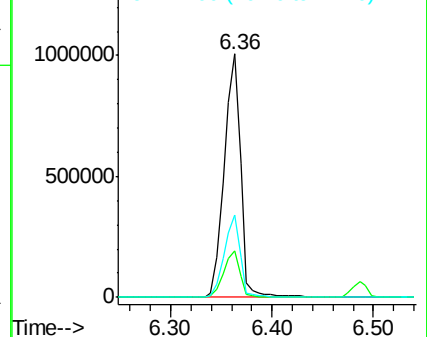
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.041 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF102313.D

Acq: 22 Jan 2018 21:37

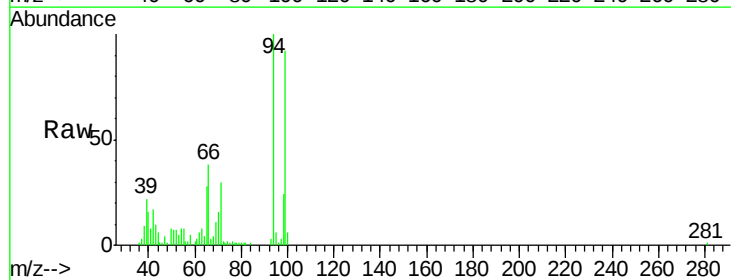
Tgt Ion: 94 Resp: 46764

Ion Ratio Lower Upper

94 100

65 28.5 7.9 47.9

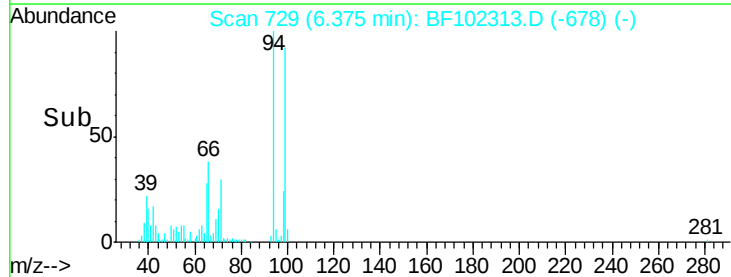
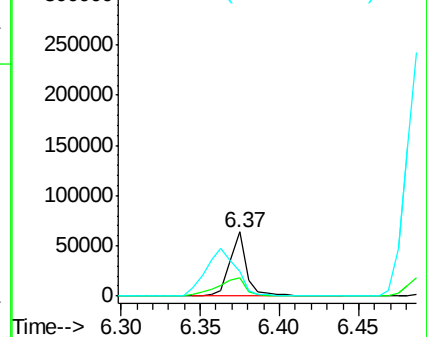
66 37.8 16.2 56.2

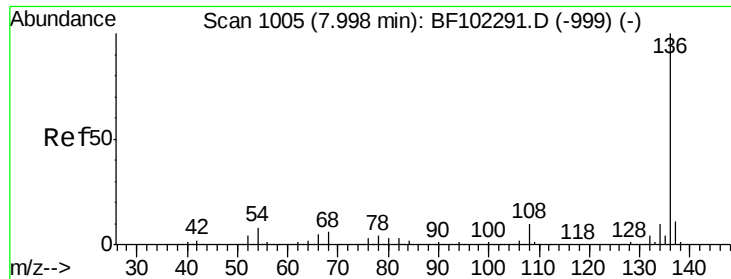


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





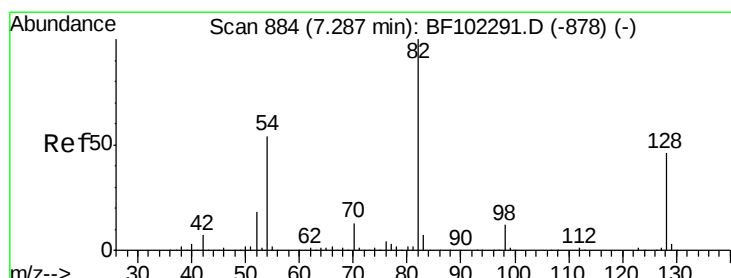
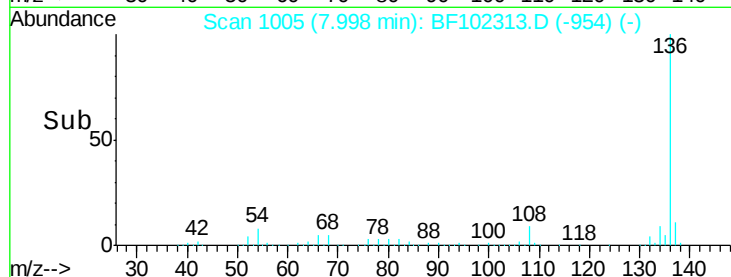
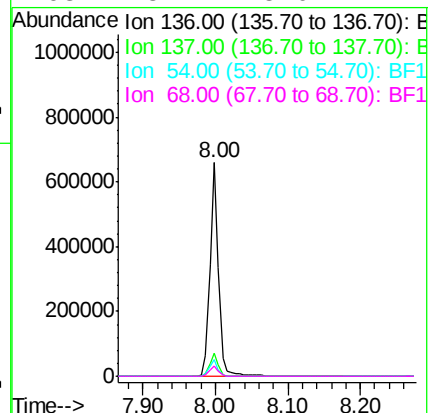
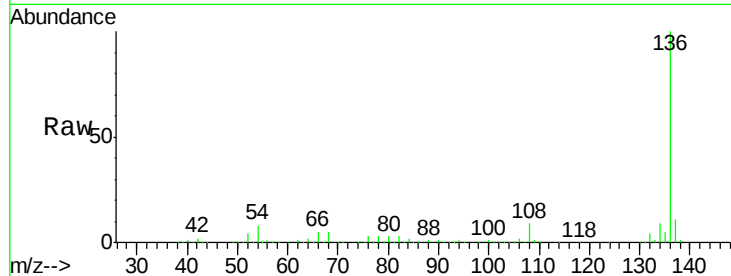
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BF102313.D
Acq: 22 Jan 2018 21:37

Instrument :
BNA_F
ClientSampled :
SB-08-0-2.0

Tot Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	7.5	6.6	9.8
68	5.1	5.0	7.4

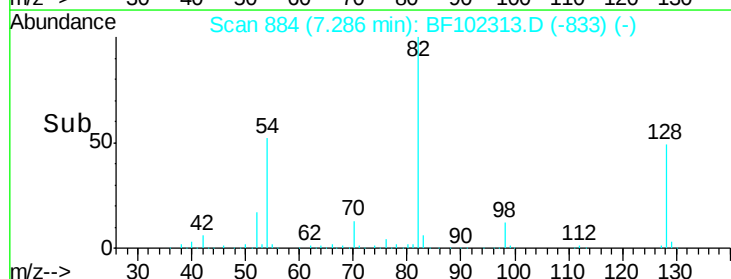
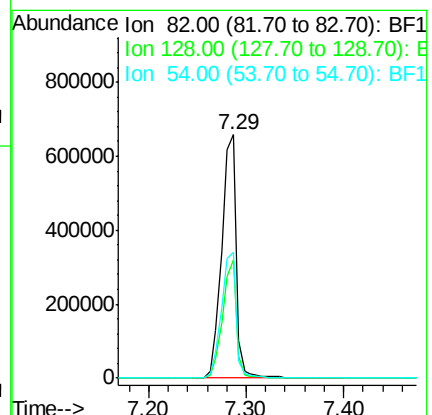
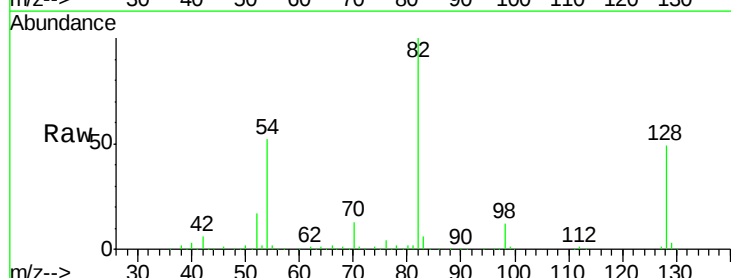
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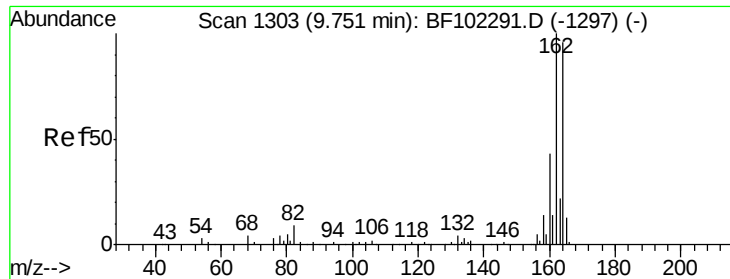
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#23
Nitrobenzene-d5
Concen: 72.613 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.00 min
Lab File: BF102313.D
Acq: 22 Jan 2018 21:37

Tgt Ion	Ratio	Lower	Upper
82	100		
128	48.8	36.1	54.1
54	51.8	41.4	62.2





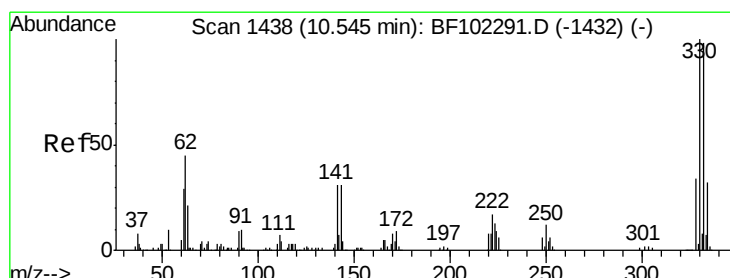
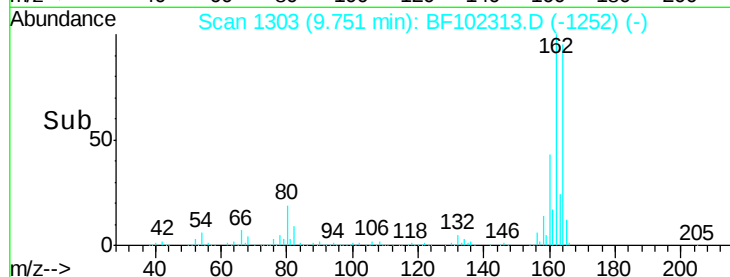
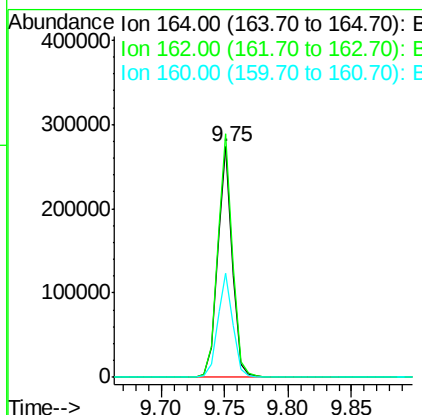
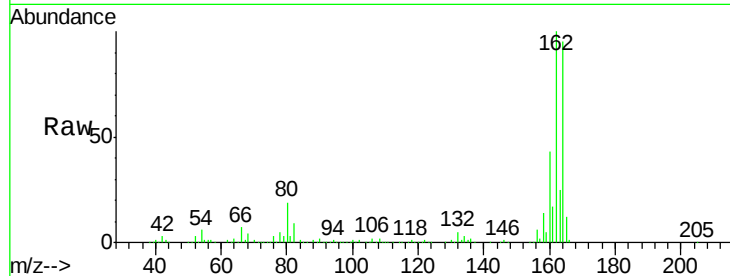
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.00 min
 Lab File: BF102313.D
 Acq: 22 Jan 2018 21:37

Instrument :
 BNA_F
 ClientSampleId :
 SB-08-0-2.0

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.8	86.1	129.1	
160	45.1	38.3	57.5	

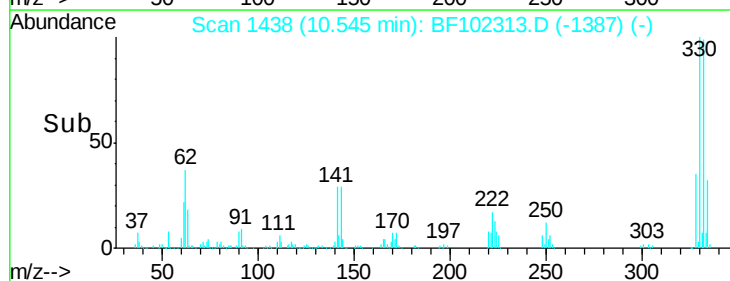
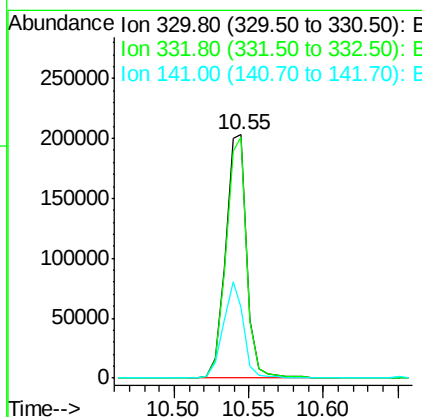
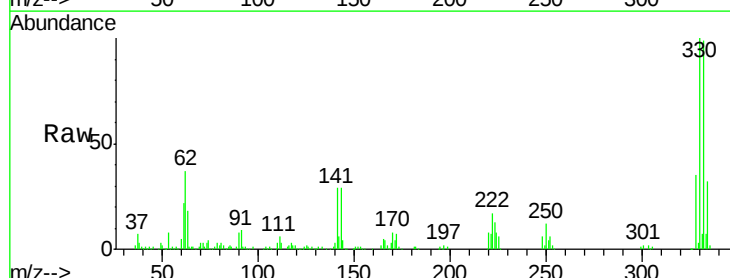
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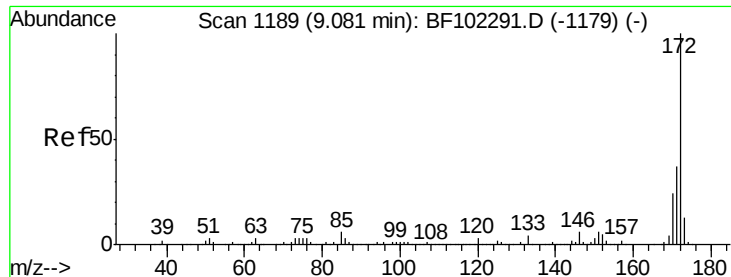
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#41
 2,4,6-Tribromophenol
 Concen: 92.945 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: BF102313.D
 Acq: 22 Jan 2018 21:37

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.8	77.0	115.6	
141	38.3	29.9	44.9	





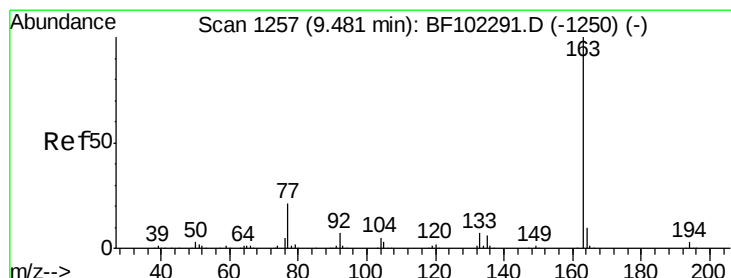
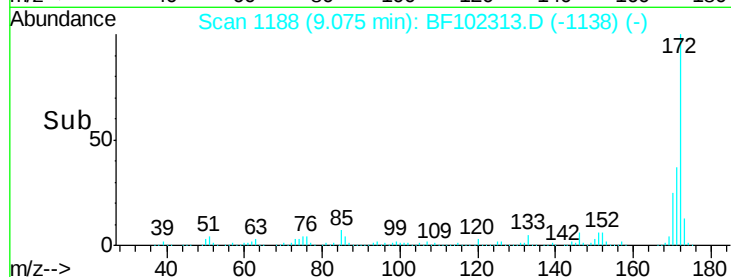
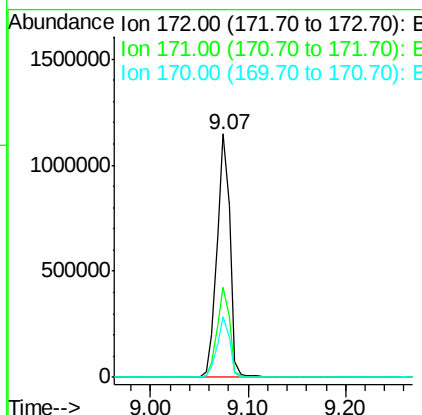
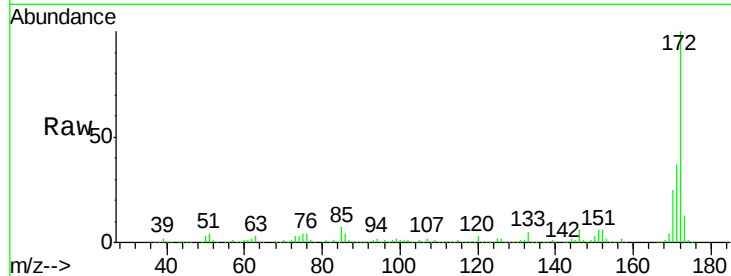
#44
2-Fluorobiphenyl
Concen: 69.702 ng
RT: 9.07 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BF102313.D
Acq: 22 Jan 2018 21:37

Instrument :
BNA_F
ClientSampleId :
SB-08-0-2.0

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.7	44.5
170	24.7	19.6	29.4

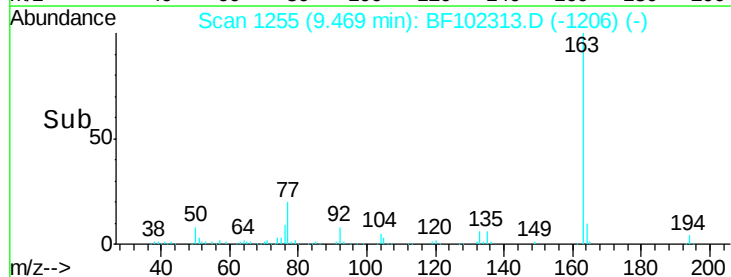
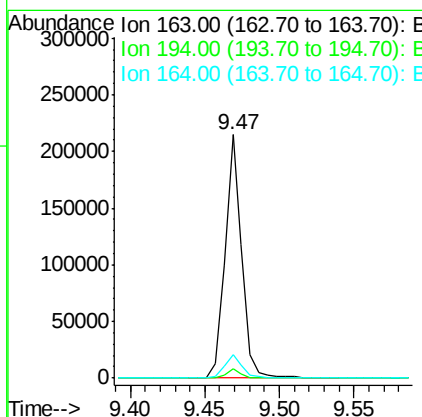
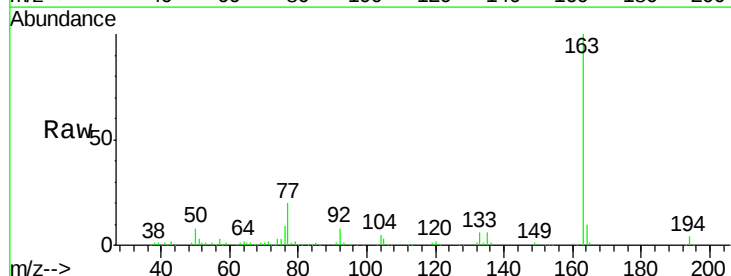
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#49
Dimethylphthalate
Concen: 9.228 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF102313.D
Acq: 22 Jan 2018 21:37

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.7	4.1
164	9.9	8.2	12.2





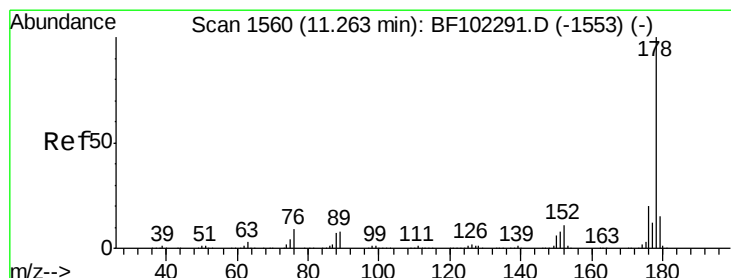
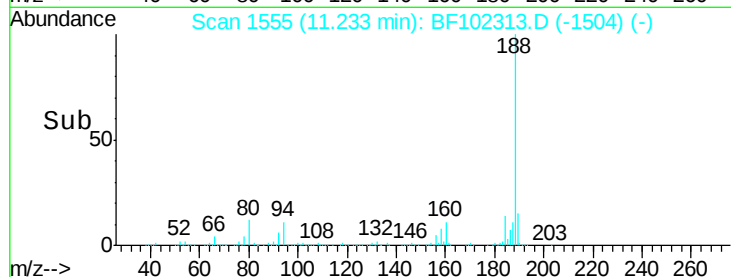
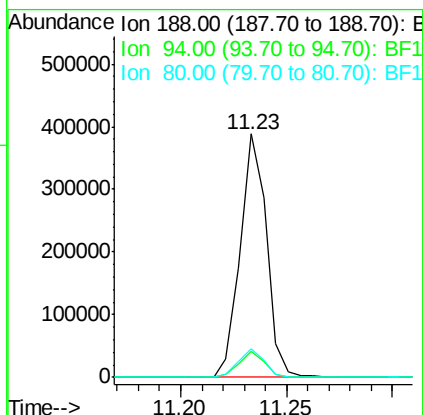
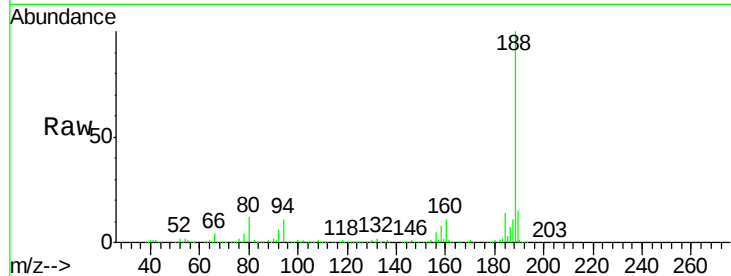
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.00 min
Lab File: BF102313.D
Acq: 22 Jan 2018 21:37

Instrument :
BNA_F
ClientSampled :
SB-08-0-2.0

Tot Ion	Ratio	Resp	Lower	Upper
188	100	334644		
94	10.8		8.5	12.7
80	11.5		9.2	13.8

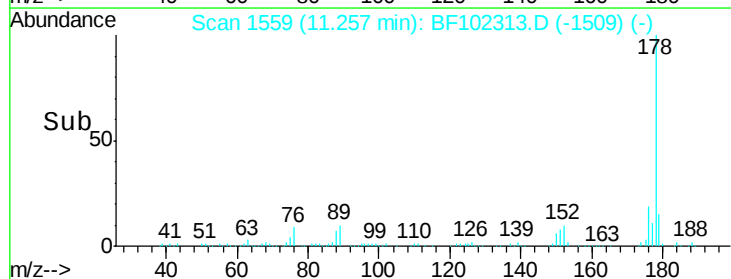
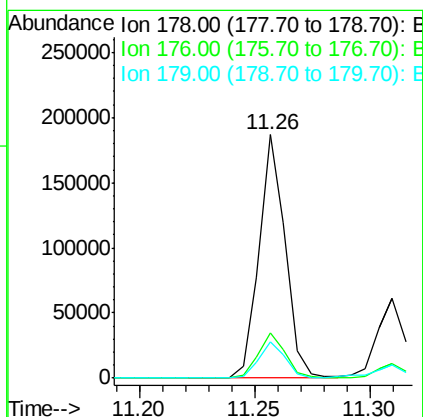
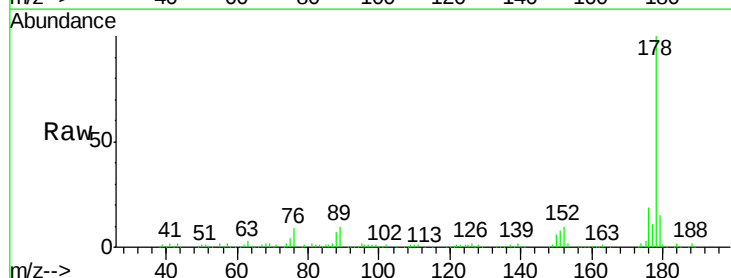
Manual Integrations
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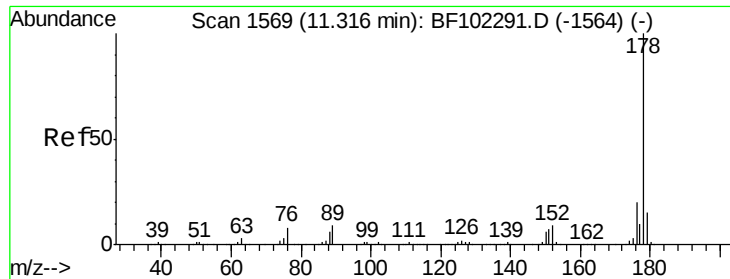
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#70
Phenanthrene
Concen: 7.597 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF102313.D
Acq: 22 Jan 2018 21:37

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	148152		
176	18.6		15.8	23.8
179	14.6		13.0	19.6





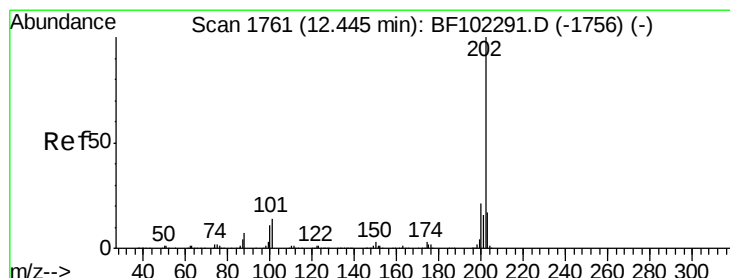
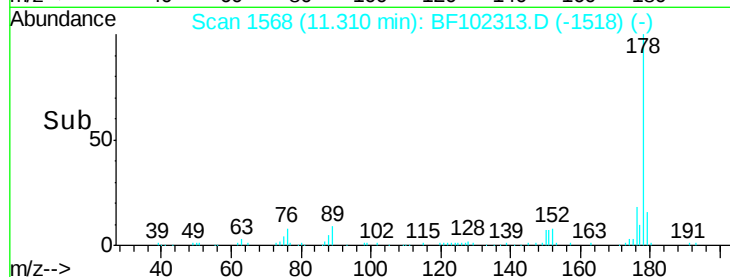
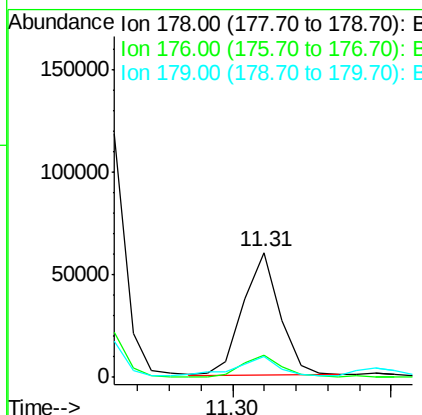
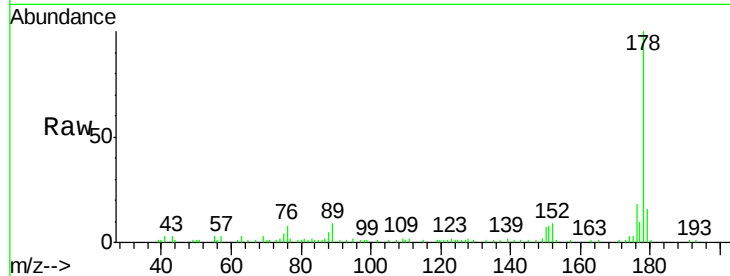
#71
 Anthracene
 Concen: 2.447 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF102313.D
 Acq: 22 Jan 2018 21:37

Instrument :
 BNA_F
 ClientSampleId :
 SB-08-0-2.0

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.4	23.2
179	16.4	12.6	19.0

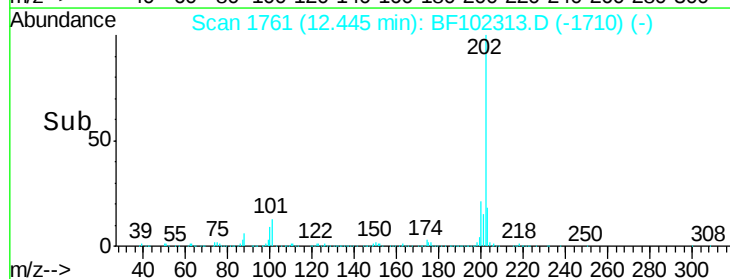
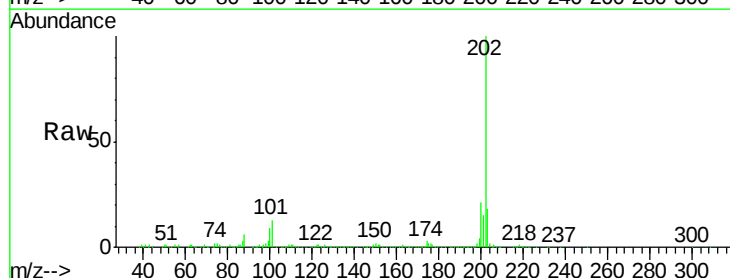
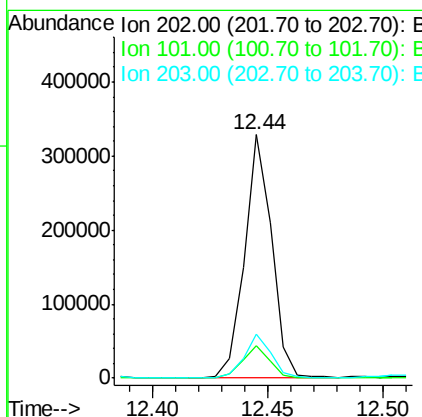
Manual Integrations
 APPROVED

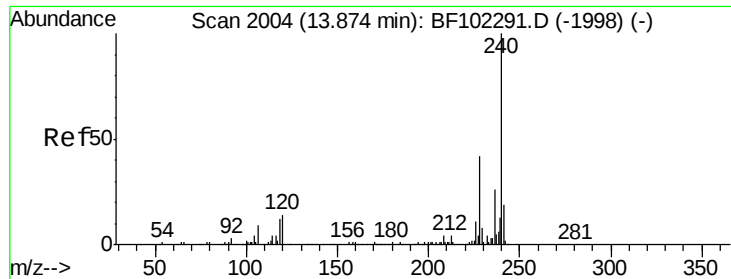
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#74
 Fluoranthene
 Concen: 13.522 ng
 RT: 12.44 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: BF102313.D
 Acq: 22 Jan 2018 21:37

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	34.1
203	17.8	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: BF102313.D

Acq: 22 Jan 2018 21:37

Instrument :

BNA_F

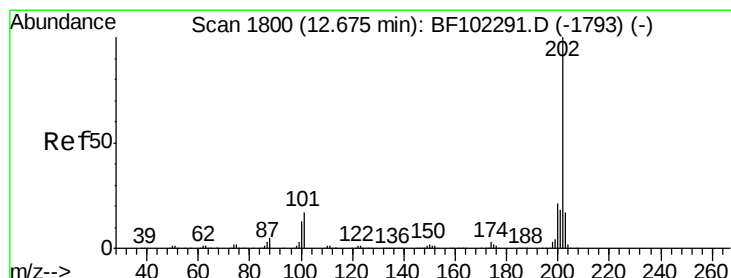
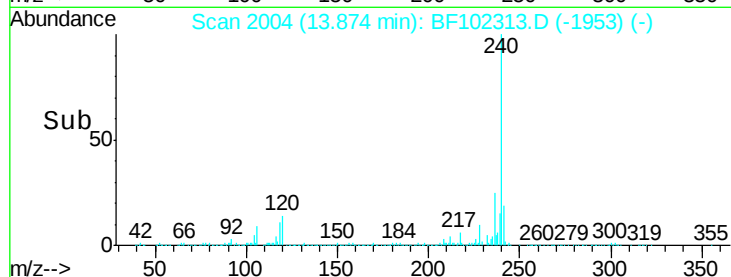
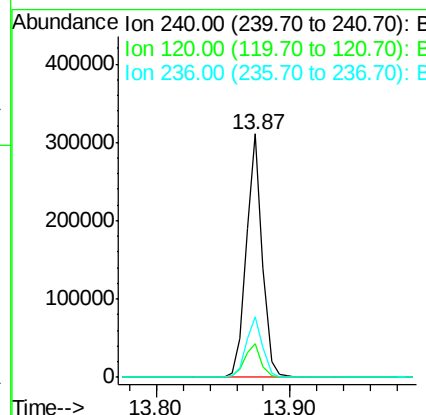
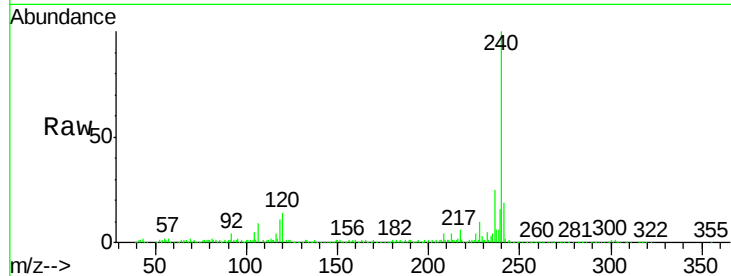
ClientSampleId :

SB-08-0-2.0

Tot Ion:	240	Resp:	257393
Ion Ratio	Lower	Upper	
240	100		
120	13.8	9.5	14.3
236	24.8	20.7	31.1

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#77

Pyrene

Concen: 13.535 ng

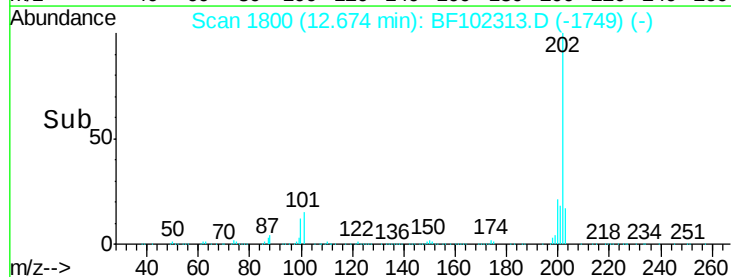
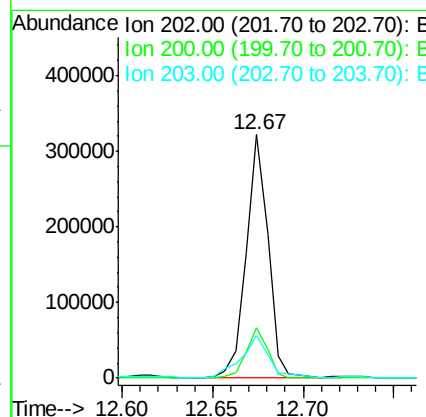
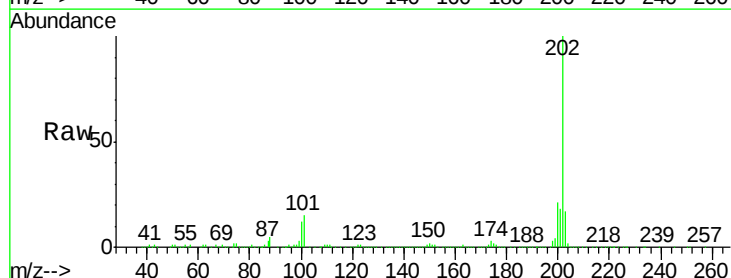
RT: 12.67 min Scan# 1800

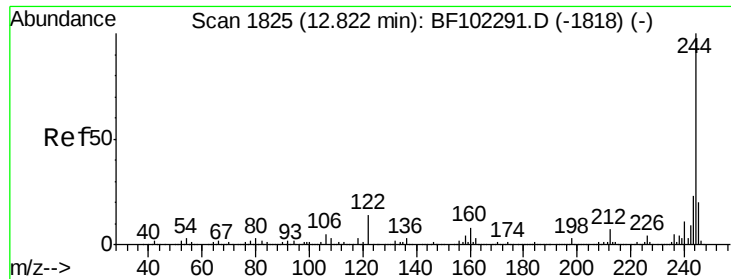
Delta R.T. -0.00 min

Lab File: BF102313.D

Acq: 22 Jan 2018 21:37

Tgt Ion:	202	Resp:	269349
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.4	26.2
203	17.4	14.3	21.5





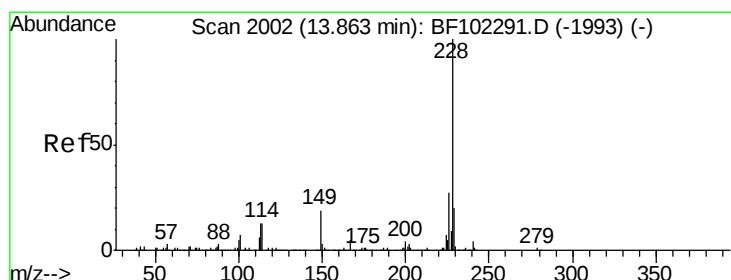
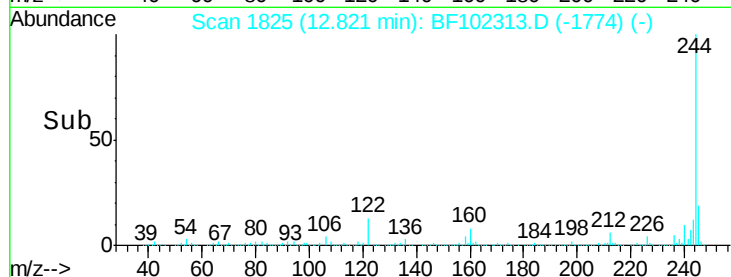
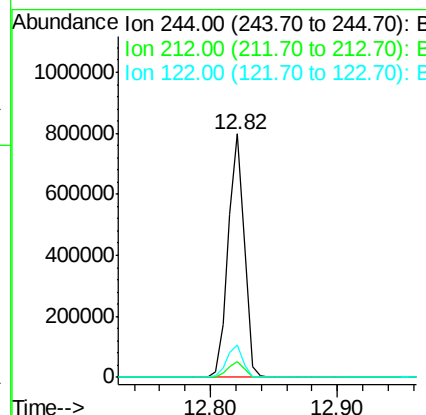
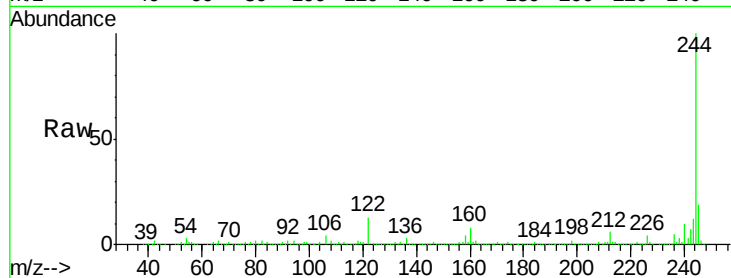
#78
 Terphenyl-d14
 Concen: 61.679 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.00 min
 Lab File: BF102313.D
 Acq: 22 Jan 2018 21:37

Instrument :
 BNA_F
 ClientSampled :
 SB-08-0-2.0

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	13.2	11.0	16.4

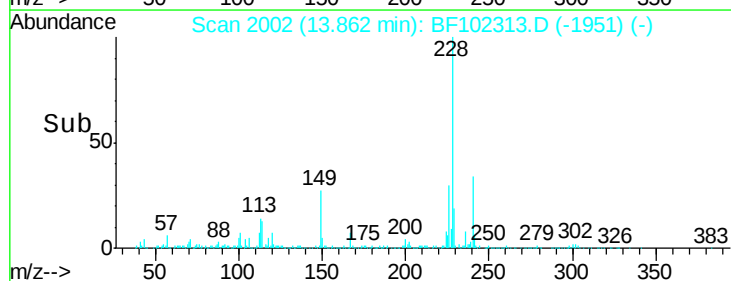
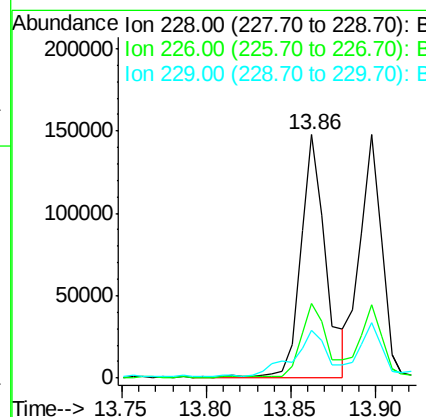
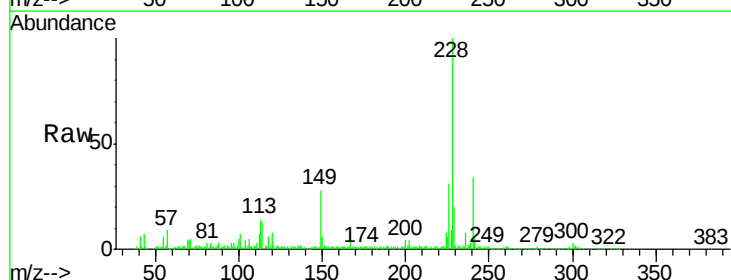
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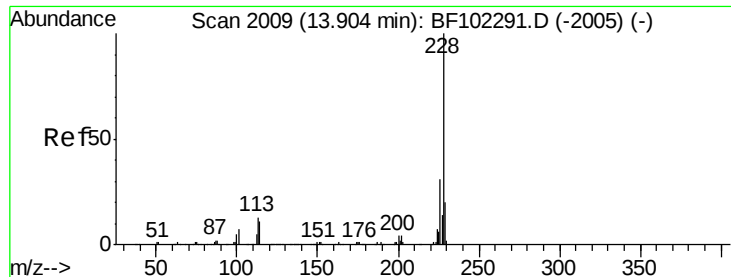
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#80
 Benzo(a)anthracene
 Concen: 9.471 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: BF102313.D
 Acq: 22 Jan 2018 21:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	22.6	33.8
229	19.6	15.8	23.6





#82

Chrysene

Concen: 8.263 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF102313.D

Acq: 22 Jan 2018 21:37

Instrument :

BNA_F

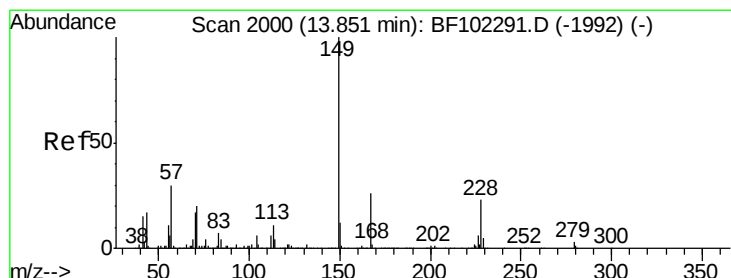
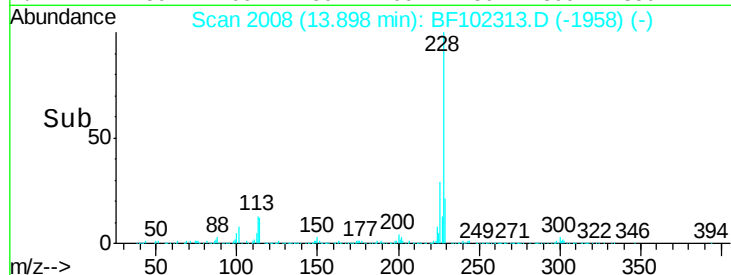
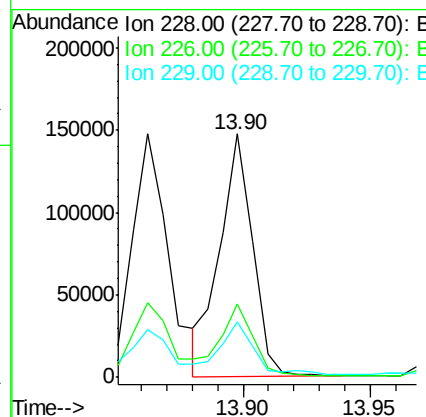
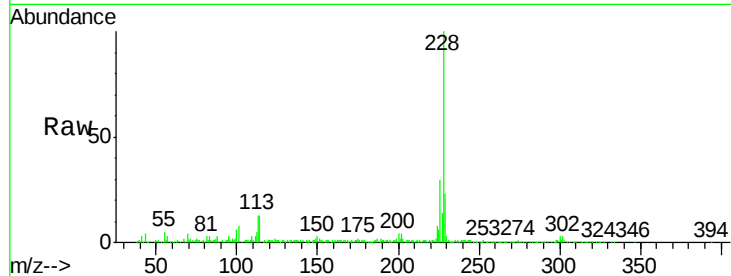
ClientSampled :

SB-08-0-2.0

Tot Ion:	228	Resp:	132976
Ion Ratio		Lower	Upper
228	100		
226	30.0	25.0	37.6
229	22.8	16.2	24.4

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#83

Bis(2-ethylhexyl)phthalate

Concen: 8.210 ng

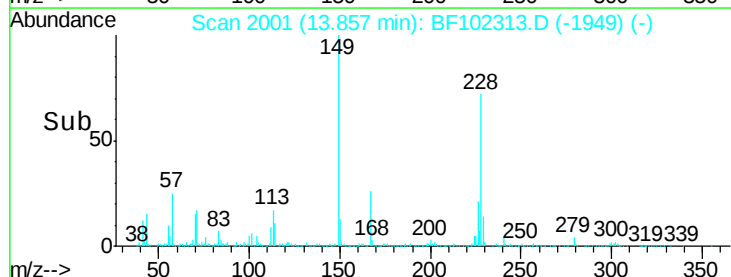
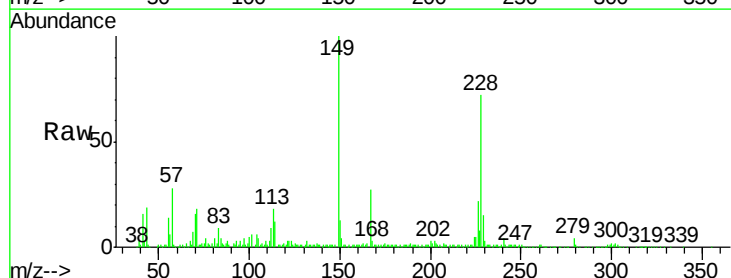
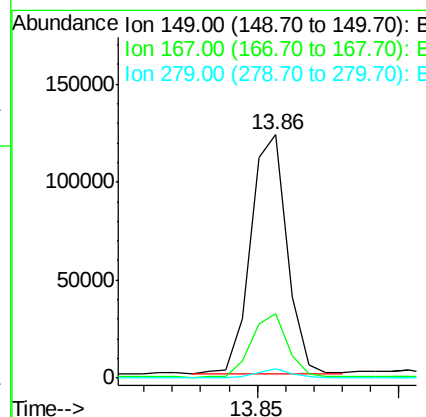
RT: 13.86 min Scan# 2001

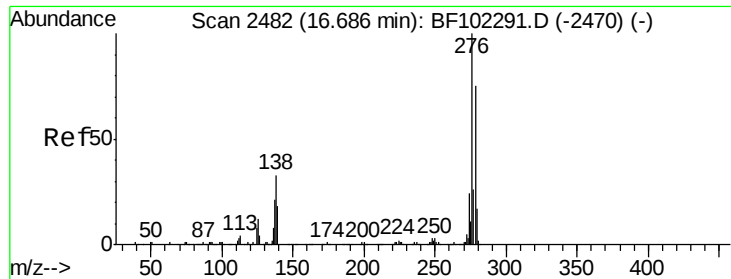
Delta R.T. 0.01 min

Lab File: BF102313.D

Acq: 22 Jan 2018 21:37

Tgt Ion:	149	Resp:	109273
Ion Ratio		Lower	Upper
149	100		
167	26.6	21.3	31.9
279	3.9	3.0	4.4





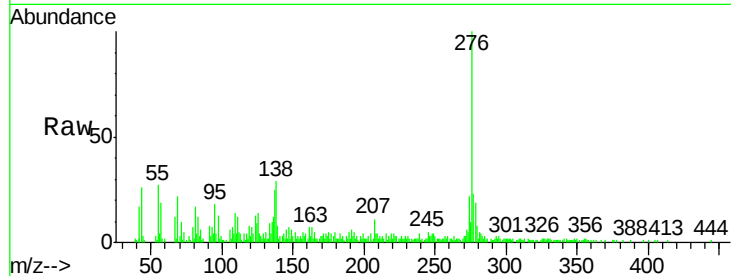
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.354 ng
RT: 16.69 min Scan# 2482
Delta R.T. -0.00 min
Lab File: BF102313.D
Acq: 22 Jan 2018 21:37

Instrument :
BNA_F
ClientSampleId :
SB-08-0-2.0

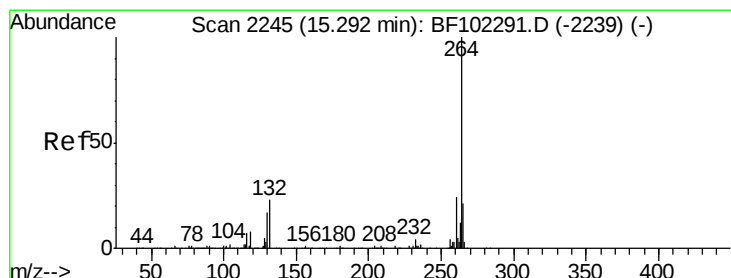
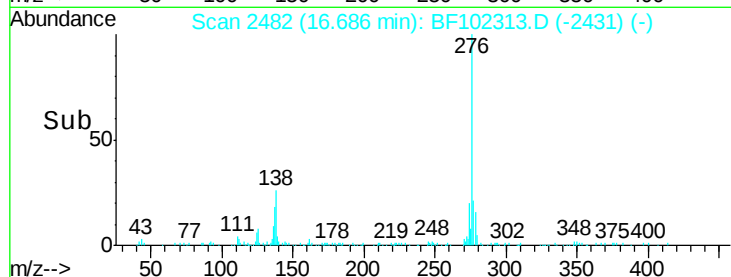
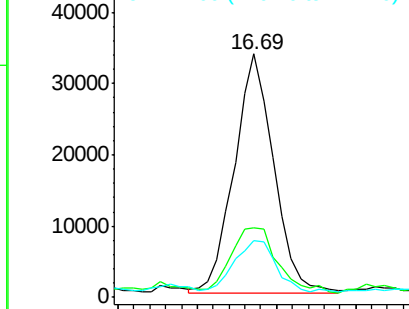
Tot Ion	Ratio	Lower	Upper
276	100		
138	31.9	25.0	37.6
277	22.7	20.1	30.1

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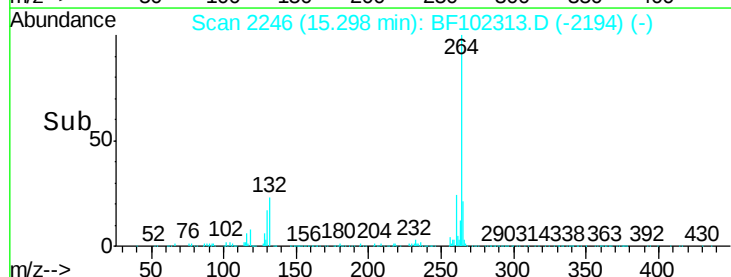
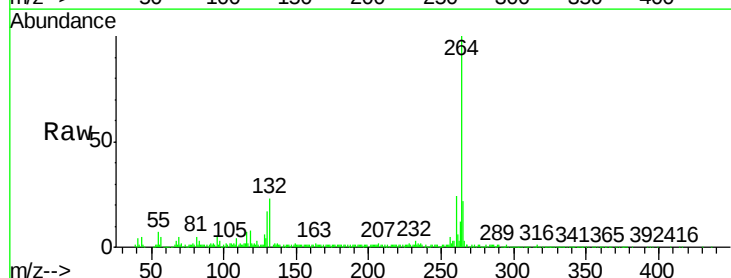
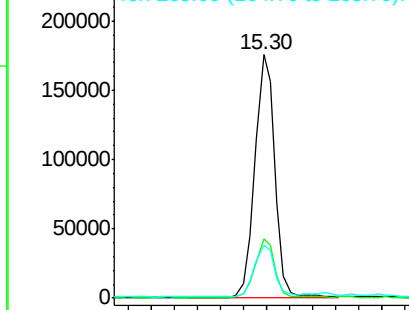
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

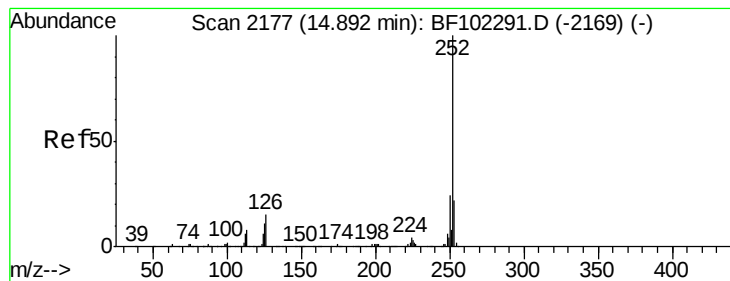


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2246
Delta R.T. 0.01 min
Lab File: BF102313.D
Acq: 22 Jan 2018 21:37

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.6	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: 12.454 ng m

RT: 14.89 min Scan# 2177

Delta R.T. -0.00 min

Lab File: BF102313.D

Acq: 22 Jan 2018 21:37

Instrument :

BNA_F

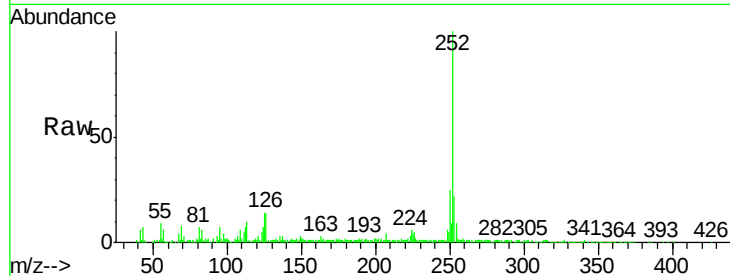
ClientSampleId :

SB-08-0-2.0

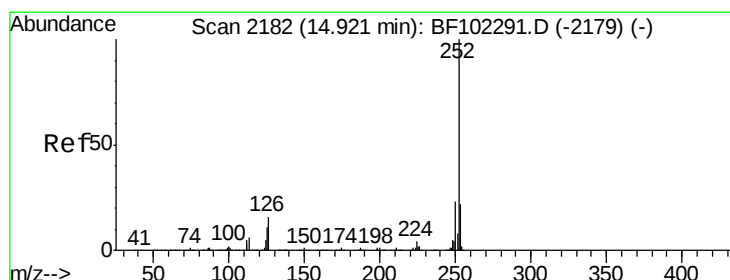
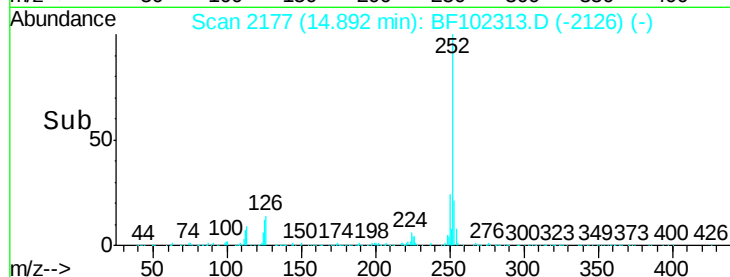
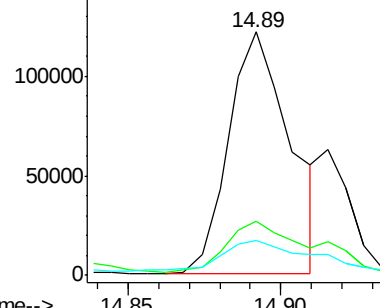
Tot Ion:	252	Resp:	171016
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.0	25.6
125	14.5	9.0	13.6#

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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: 3.492 ng m

RT: 14.92 min Scan# 2181

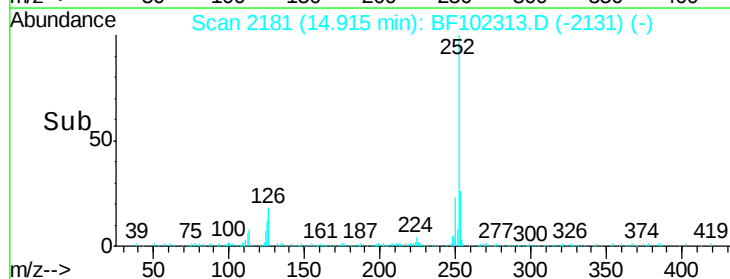
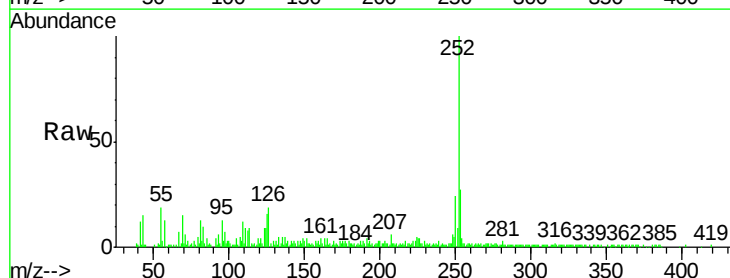
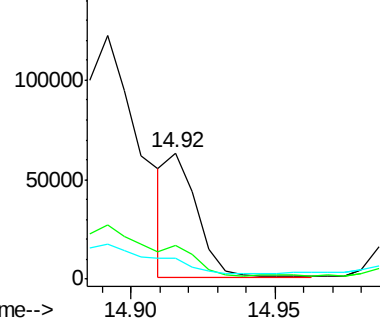
Delta R.T. -0.01 min

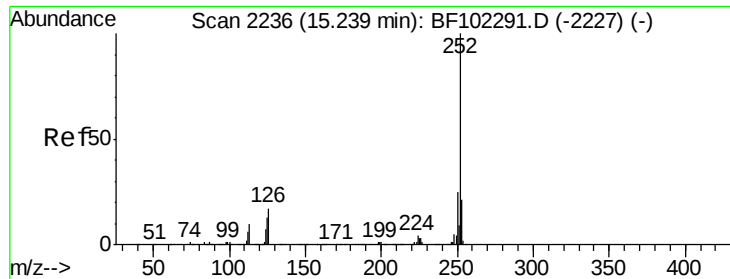
Lab File: BF102313.D

Acq: 22 Jan 2018 21:37

Tgt Ion:	252	Resp:	45304
Ion Ratio	Lower	Upper	
252	100		
253	27.1	17.9	26.9#
125	16.5	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





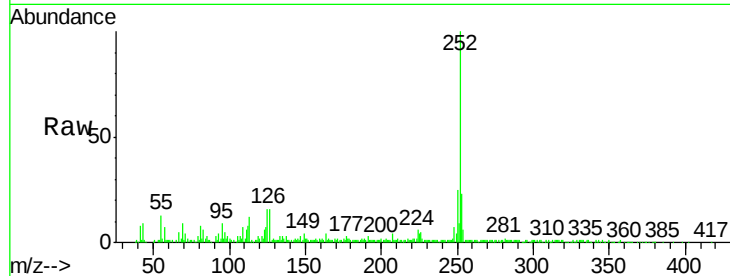
#89
Benzo(a)pyrene
Concen: 8.772 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.00 min
Lab File: BF102313.D
Acq: 22 Jan 2018 21:37

Instrument :
BNA_F
ClientSampled :
SB-08-0-2.0

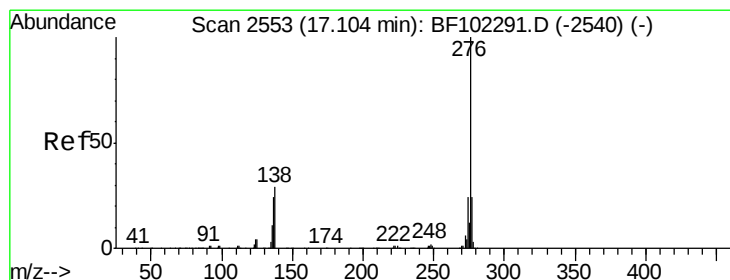
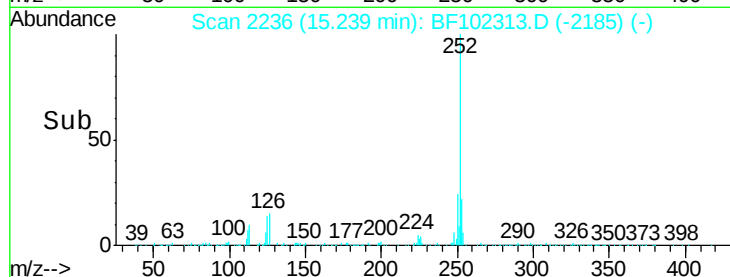
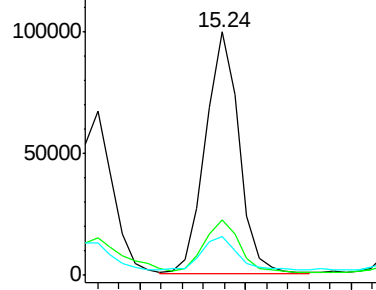
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	16.0	9.8	14.6

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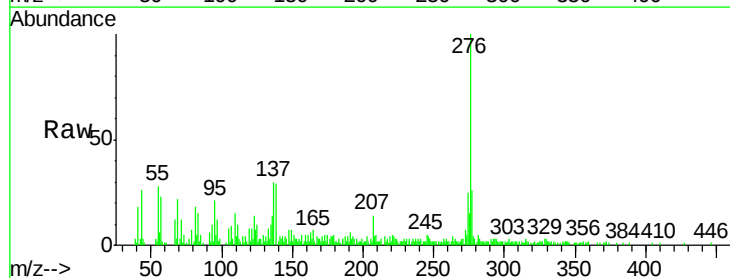


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 5.840 ng
RT: 17.10 min Scan# 2553
Delta R.T. -0.00 min
Lab File: BF102313.D
Acq: 22 Jan 2018 21:37

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	17.9	26.9
138	29.2	21.8	32.8



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

