

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012918\
 Data File : BF102588.D
 Acq On : 29 Jan 2018 10:58
 Operator : SJ/JU
 Sample : J1253-05RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-03(0-5)RE

Manual Integrations
 APPROVED

Quant Time: Jan 30 00:29:15 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	171967	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	708942	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	305592	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	496400	20.00	ng	0.00
75) Chrysene-d12	13.88	240	363999	20.00	ng	0.00
86) Perylene-d12	15.31	264	349835	20.00	ng	0.00

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System Monitoring Compounds

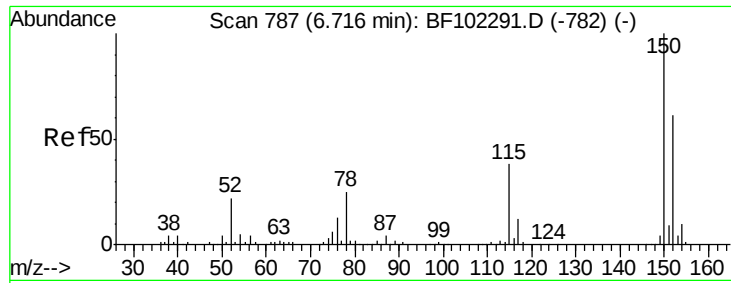
5) 2-Fluorophenol	5.33	112	322933	28.47	ng	0.00
7) Phenol-d6	6.36	99	1217315	89.03	ng	0.00
23) Nitrobenzene-d5	7.28	82	960883	77.89	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	39508	13.05	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1435609	69.07	ng	0.00
78) Terphenyl-d14	12.82	244	1023993	63.42	ng	0.00

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Target Compounds

						Qvalue
10) Phenol	6.37	94	58023	3.887	ng	95
49) Dimethylphthalate	9.46	163	234561	9.286	ng	98
70) Phenanthrene	11.26	178	267030	9.231	ng	99
71) Anthracene	11.31	178	63615	2.155	ng	98
74) Fluoranthene	12.44	202	444047	15.054	ng	99
77) Pyrene	12.67	202	388832	13.816	ng	99
80) Benzo(a)anthracene	13.87	228	219053	9.775	ng	98
82) Chrysene	13.90	228	222578	9.780	ng	99
83) Bis(2-ethylhexyl)phthalate	13.84	149	59135	3.142	ng	99
84) Di-n-octyl phthalate	14.46	149	73087	2.388	ng	# 91
85) Indeno(1,2,3-cd)pyrene	16.72	276	105213	5.598	ng	97
87) Benzo(b)fluoranthene	14.90	252	263103m	11.603	ng	
88) Benzo(k)fluoranthene	14.93	252	119867m	5.595	ng	
89) Benzo(a)pyrene	15.25	252	202386	9.897	ng	# 91
91) Benzo(g,h,i)perylene	17.14	276	94904	5.802	ng	# 89

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



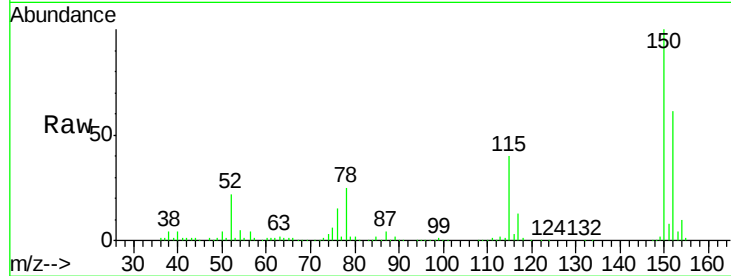
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF102588.D
Acq: 29 Jan 2018 10:58

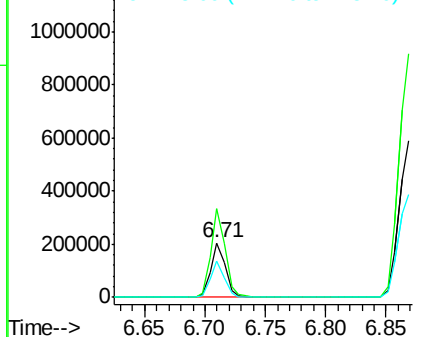
Instrument :
BNA_F
ClientSampleId :
WC-03(0-5)RE

Tgt Ion	Ratio	Lower	Upper
152	100		
150	163.9	124.6	186.8
115	65.8	50.1	75.1

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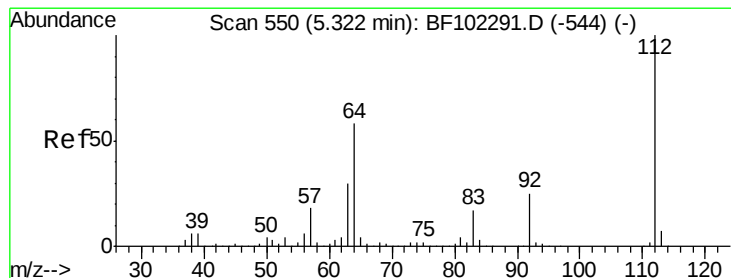
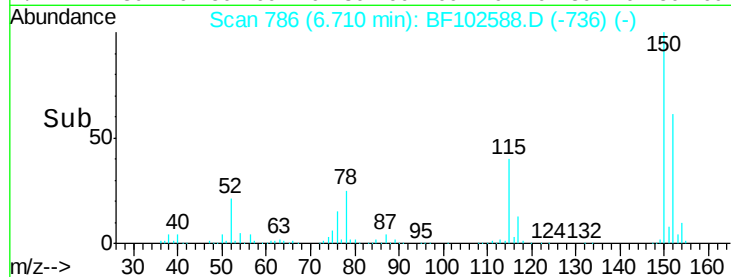


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



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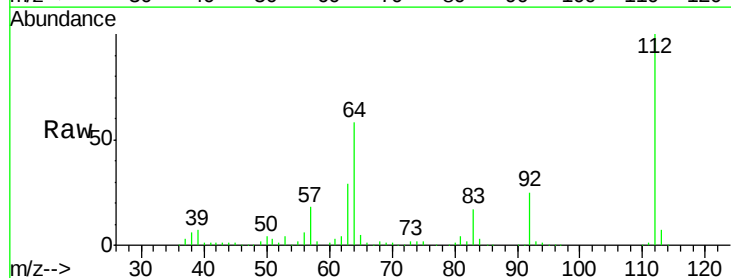
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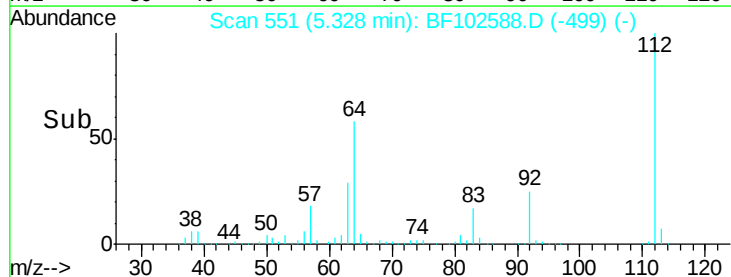
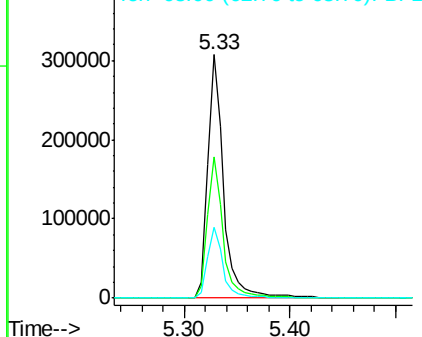
#5

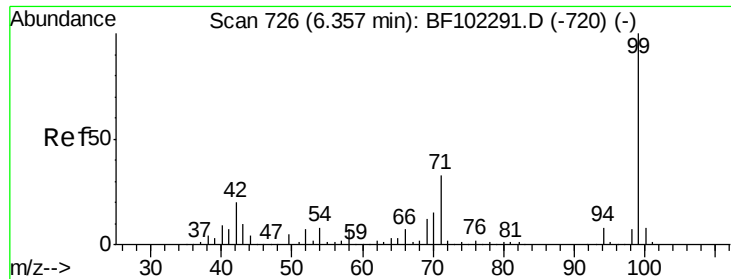
2-Fluorophenol
Concen: 28.474 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102588.D
Acq: 29 Jan 2018 10:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.1	47.9	71.9
63	29.3	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: 89.029 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF102588.D

Acq: 29 Jan 2018 10:58

Instrument :

BNA_F

ClientSampleId :

WC-03(0-5)RE

Tgt Ion: 99 Resp: 1217315

Ion Ratio Lower Upper

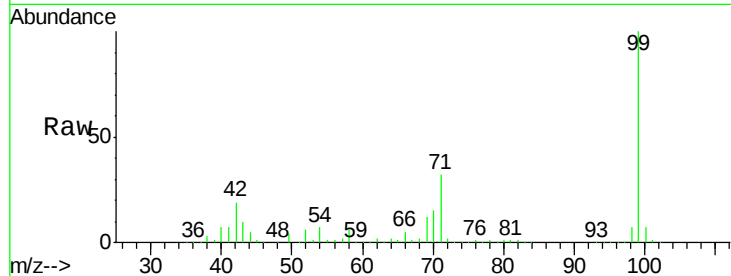
99 100

42 18.9 14.5 21.7

71 32.4 25.4 38.0

Manual Integrations

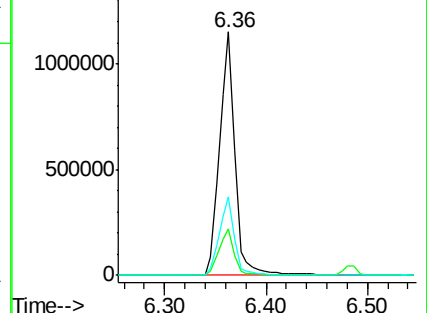
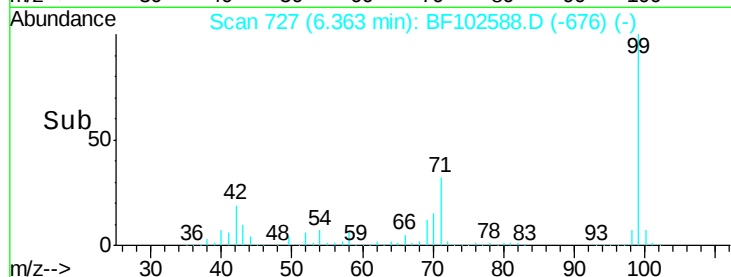
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Abundance Ion 99.00 (98.70 to 99.70): BF1

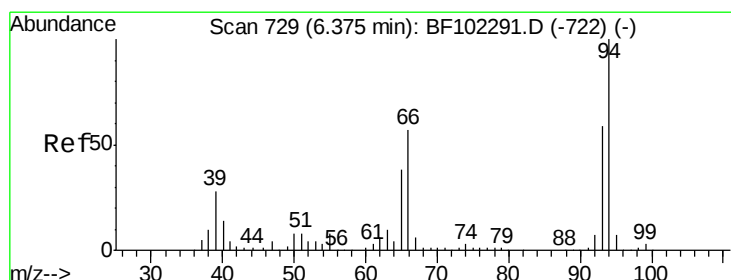
Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



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#10

Phenol

Concen: 3.887 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF102588.D

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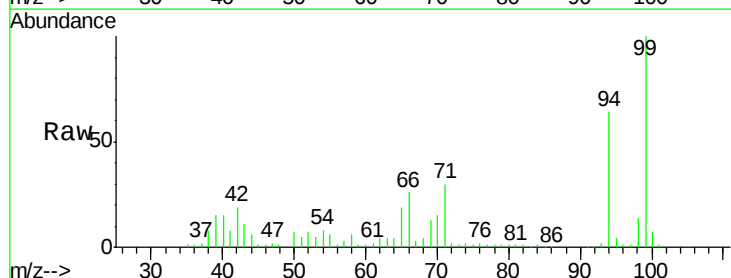
Tgt Ion: 94 Resp: 58023

Ion Ratio Lower Upper

94 100

65 29.4 7.9 47.9

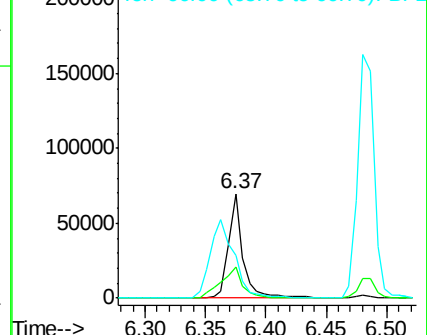
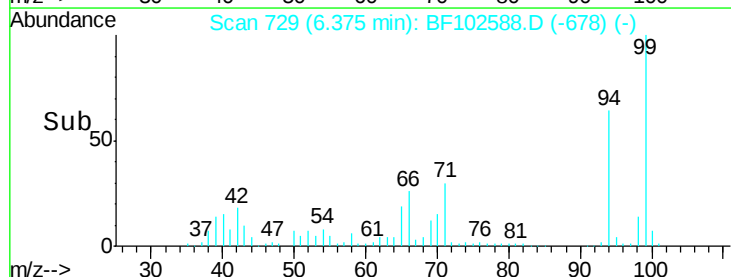
66 40.4 16.2 56.2

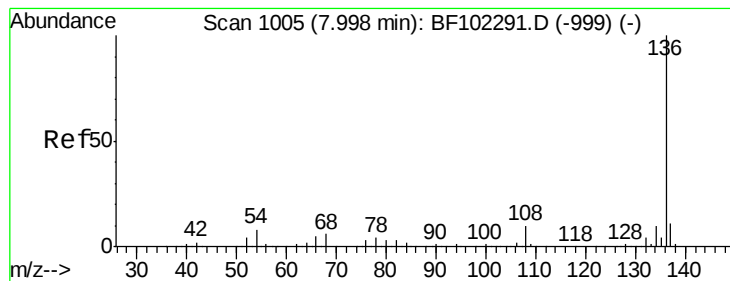


Abundance Ion 94.00 (93.70 to 94.70): BF1

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: 7.99 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF102588.D

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Tgt Ion	Ratio	Resp	Lower	Upper
136	100	708942		
137	11.2	8.9	13.3	
54	8.5	6.6	9.8	
68	6.5	5.0	7.4	

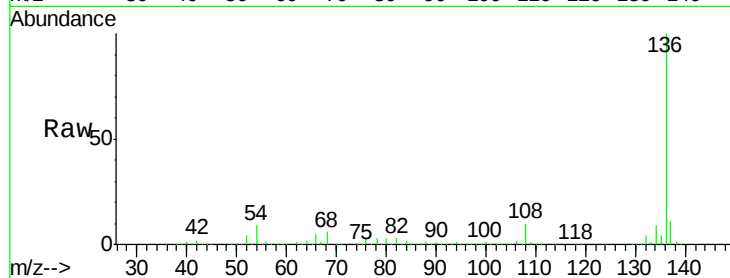
Instrument :

BNA_F

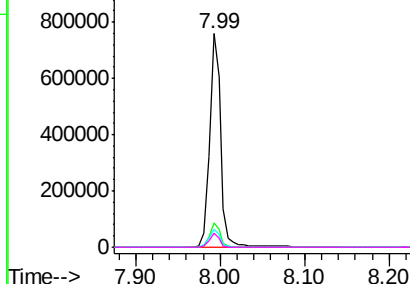
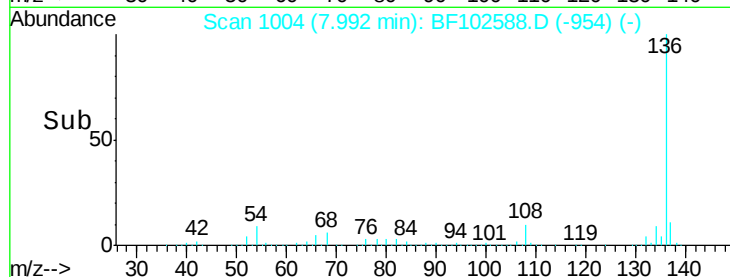
ClientSampleId :

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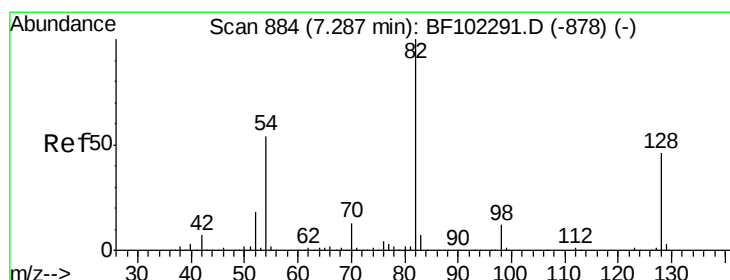


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1



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#23

Nitrobenzene-d5

Concen: 77.889 ng

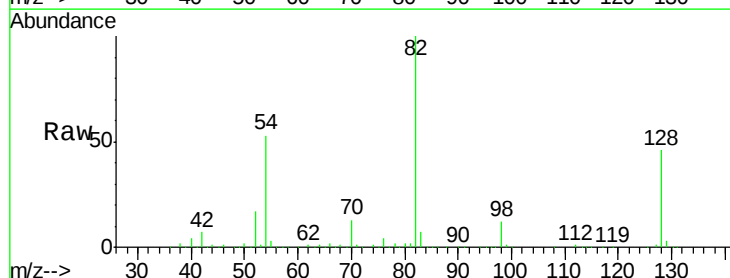
RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

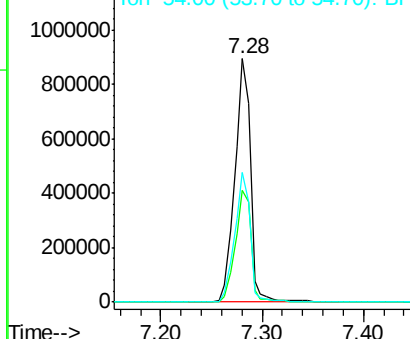
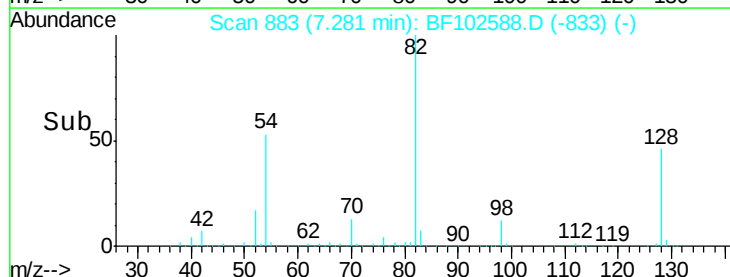
Lab File: BF102588.D

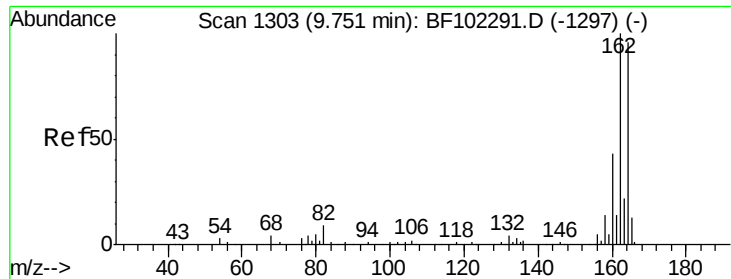
Acq: 29 Jan 2018 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	960883		
128	45.7	36.1	54.1	
54	53.3	41.4	62.2	



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1



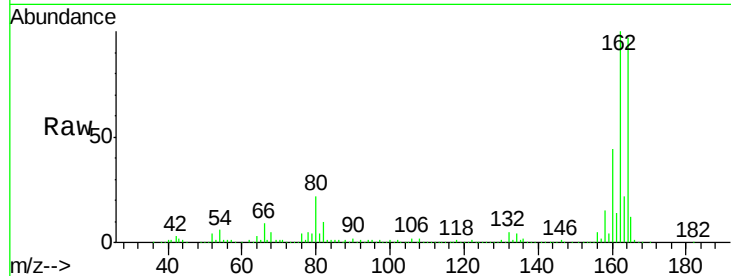


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF102588.D
Acq: 29 Jan 2018 10:58

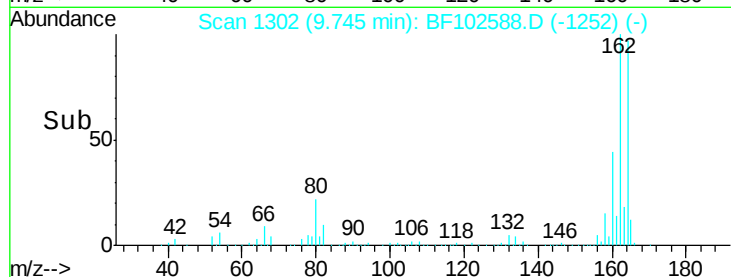
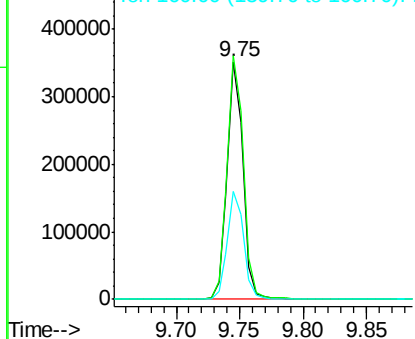
Instrument :
BNA_F
ClientSampleId :
WC-03(0-5)RE

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.6	305592	86.1	129.1
160	45.3		38.3	57.5

Manual Integrations
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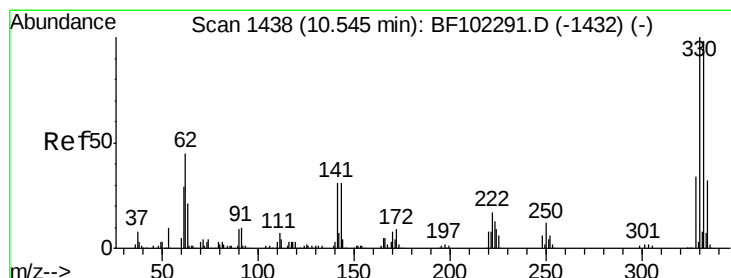


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



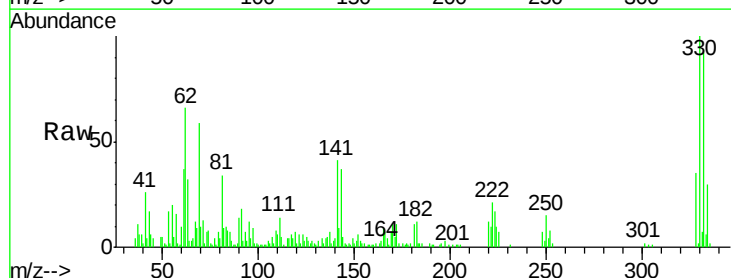
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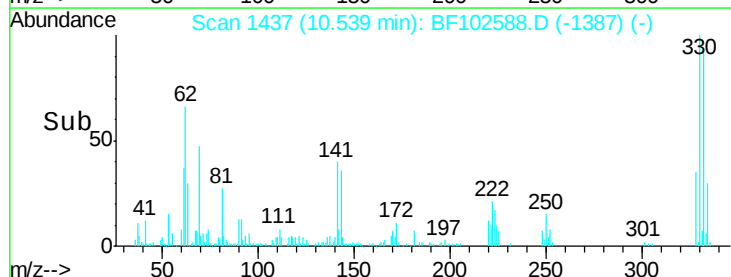
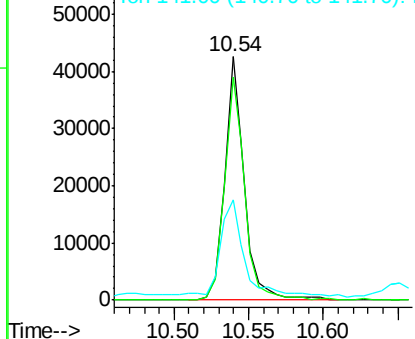


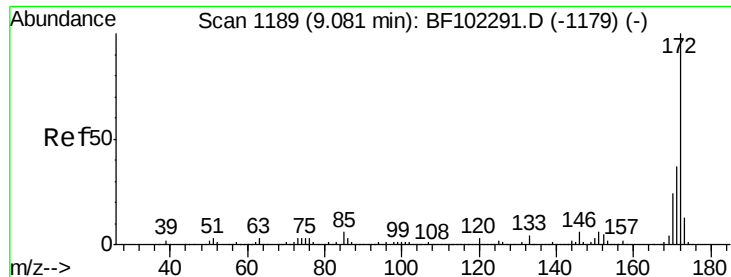
#41
2,4,6-Tribromophenol
Concen: 13.048 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BF102588.D
Acq: 29 Jan 2018 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	39508		
332	94.0		77.0	115.6
141	49.8		29.9	44.9#



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



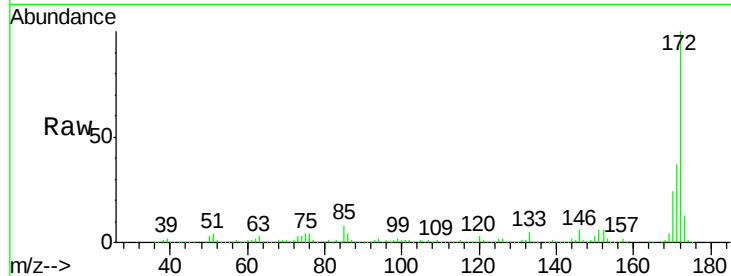


#44
2-Fluorobiphenyl
Concen: 69.074 ng
RT: 9.07 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BF102588.D
Acq: 29 Jan 2018 10:58

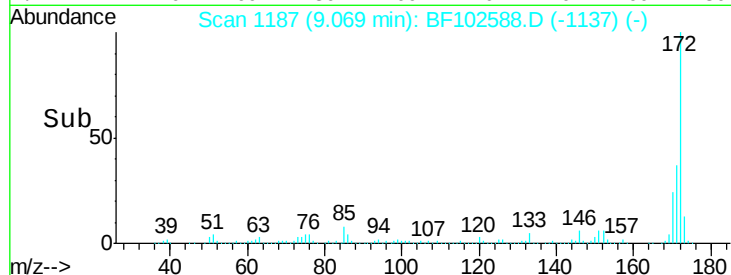
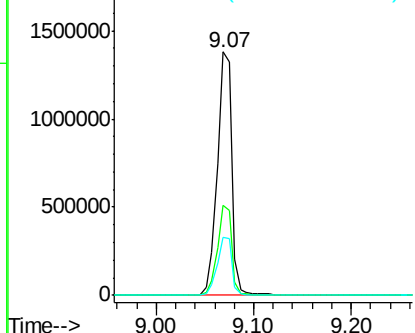
Instrument :
BNA_F
ClientSampleId :
WC-03(0-5)RE

Tgt Ion:172 Resp: 1435609
Ion Ratio Lower Upper
172 100
171 36.8 29.7 44.5
170 24.0 19.6 29.4

Manual Integrations
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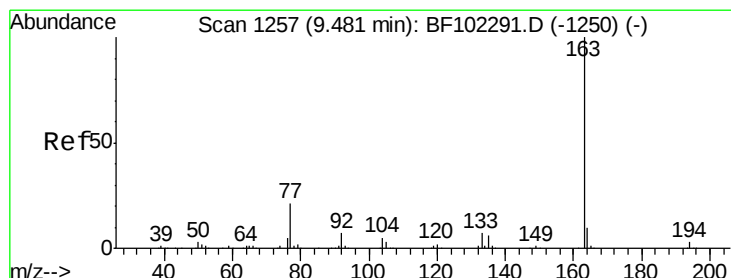


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E



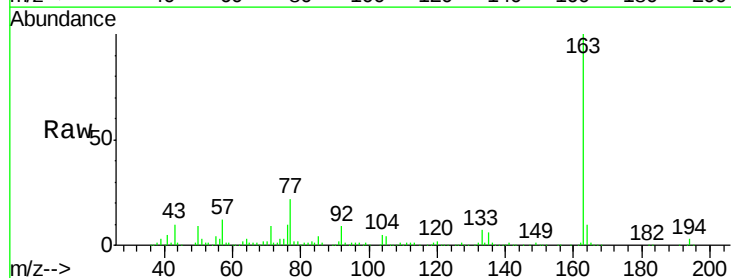
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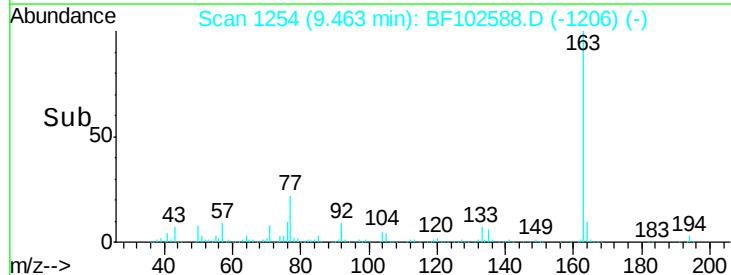
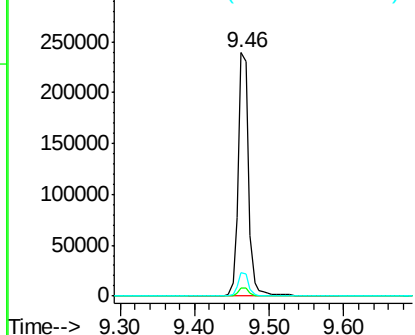


#49
Dimethylphthalate
Concen: 9.286 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF102588.D
Acq: 29 Jan 2018 10:58

Tgt Ion:163 Resp: 234561
Ion Ratio Lower Upper
163 100
194 3.1 2.7 4.1
164 9.5 8.2 12.2



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



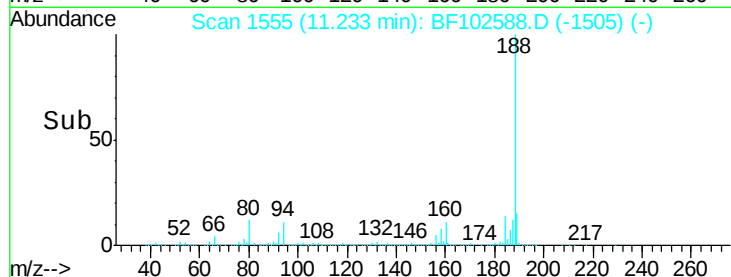
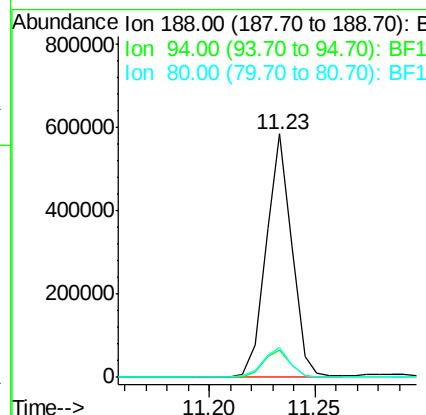
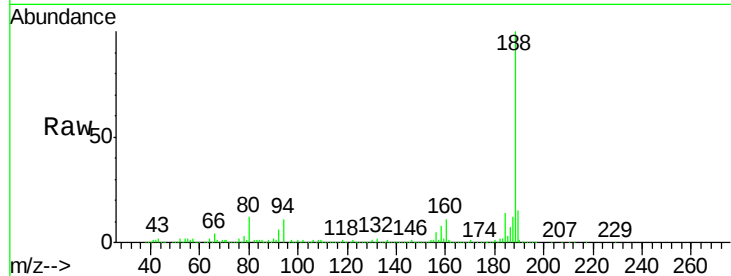


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102588.D
Acq: 29 Jan 2018 10:58

Instrument :
BNA_F
ClientSampleId :
WC-03(0-5)RE

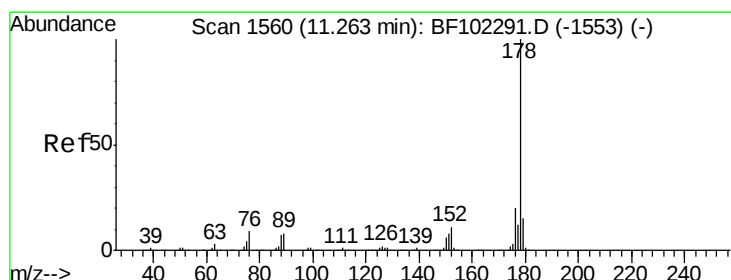
Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.4	8.5	12.7
80	12.0	9.2	13.8

Manual Integrations
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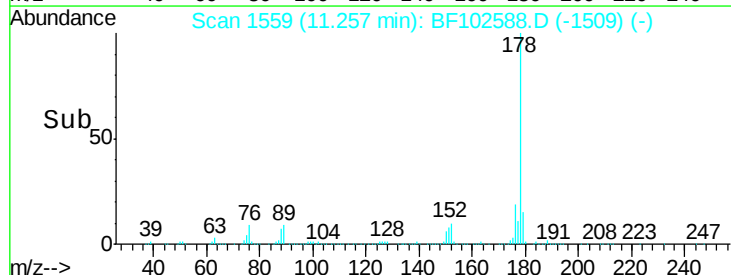
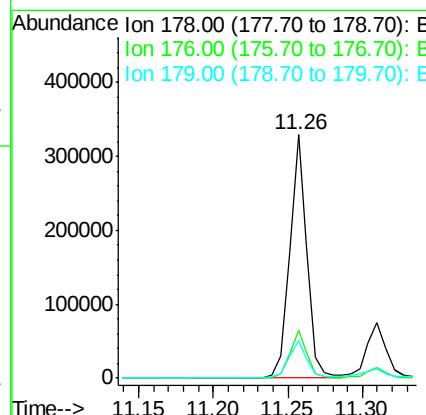
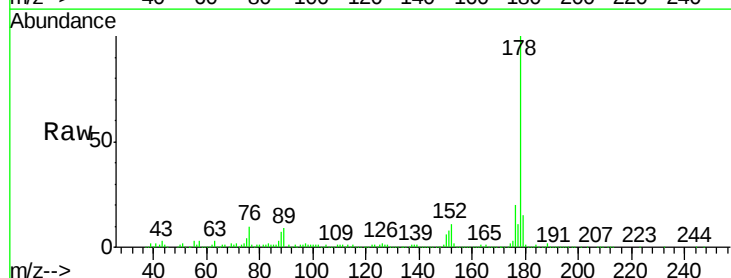
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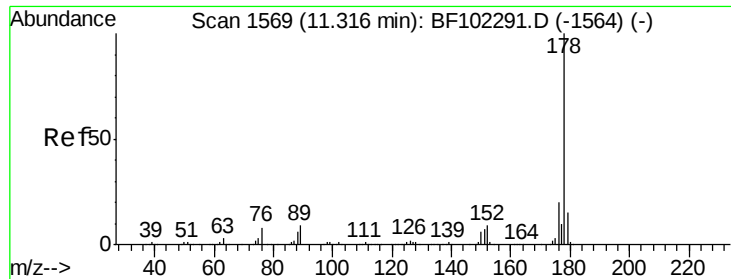
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#70
Phenanthrene
Concen: 9.231 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF102588.D
Acq: 29 Jan 2018 10:58

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.5	15.8	23.8
179	15.5	13.0	19.6



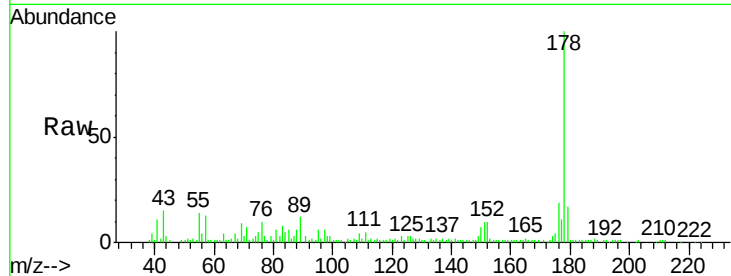


#71
 Anthracene
 Concen: 2.155 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF102588.D
 Acq: 29 Jan 2018 10:58

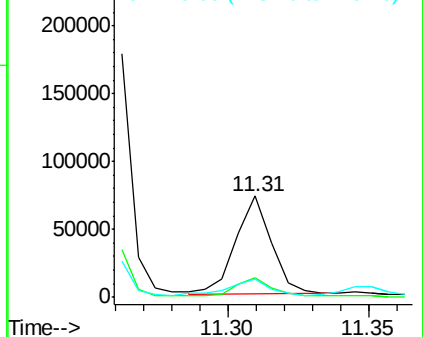
Instrument :
 BNA_F
 ClientSampleId :
 WC-03(0-5)RE

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	17.5	12.6	19.0

Manual Integrations
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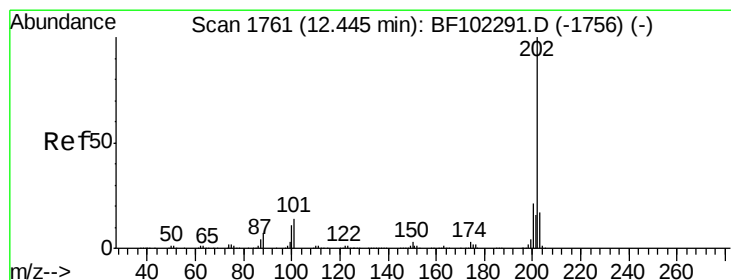
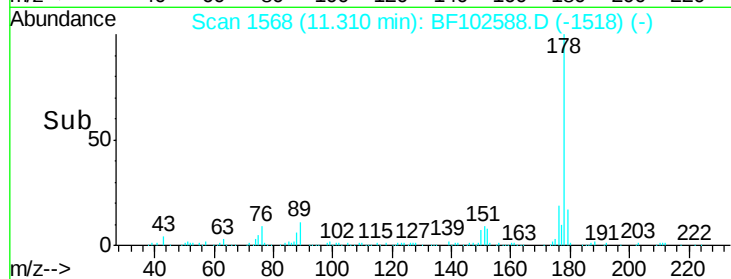


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E



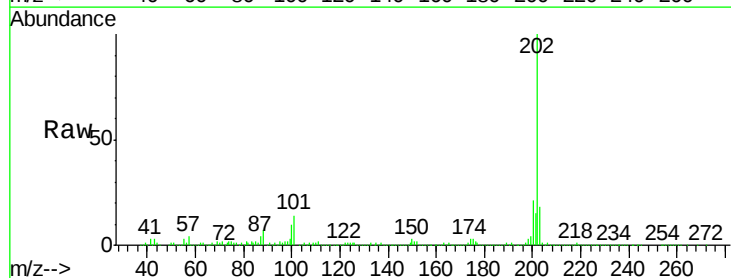
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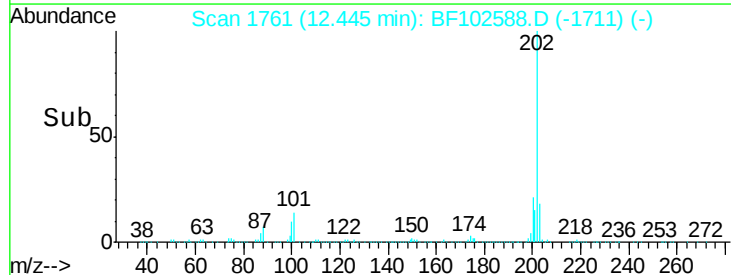
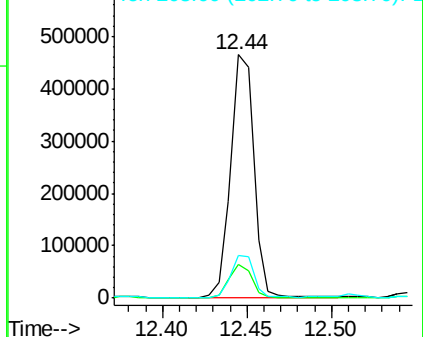


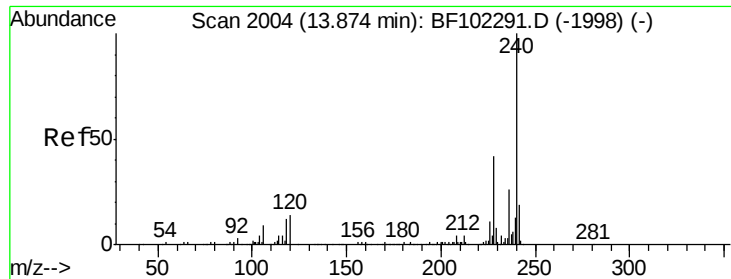
#74
 Fluoranthene
 Concen: 15.054 ng
 RT: 12.44 min Scan# 1761
 Delta R.T. -0.01 min
 Lab File: BF102588.D
 Acq: 29 Jan 2018 10:58

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.0	0.0	34.1
203	17.7	0.0	38.1



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: 13.88 min Scan# 2005

Delta R.T. -0.00 min

Lab File: BF102588.D

Acq: 29 Jan 2018 10:58

Instrument :

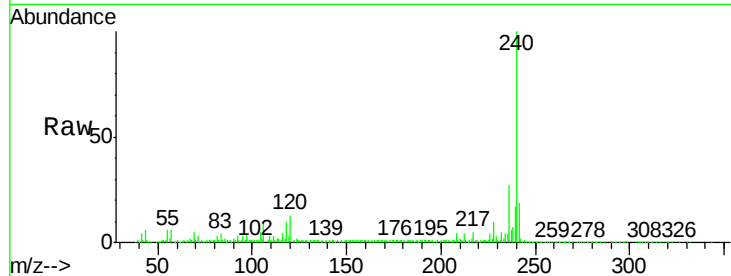
BNA_F

ClientSampleId :

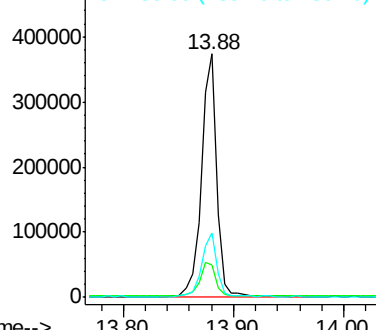
WC-03(0-5)RE

Tgt Ion:	240	Resp:	363999
Ion Ratio	Lower	Upper	
240	100		
120	13.3	9.5	14.3
236	26.7	20.7	31.1

Manual Integrations
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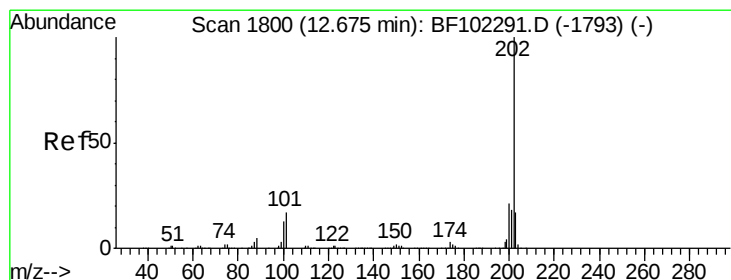
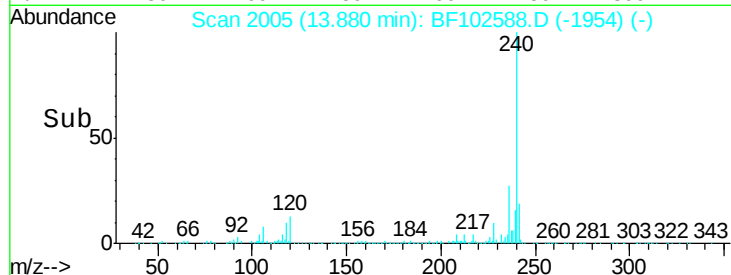


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



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#77

Pyrene

Concen: 13.816 ng

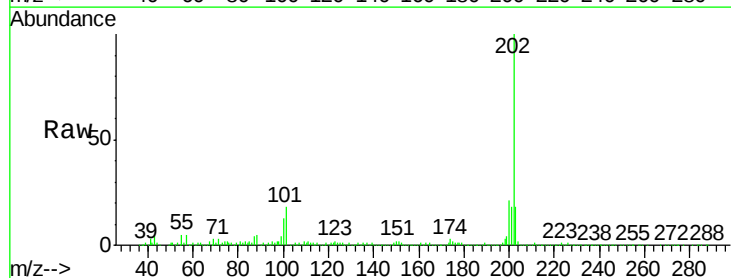
RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

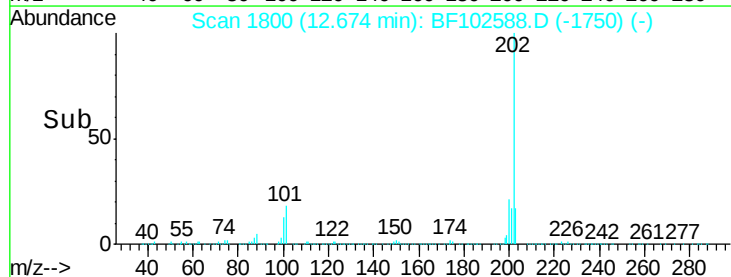
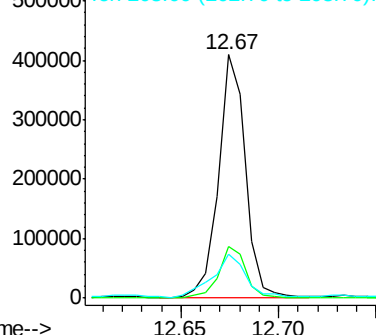
Lab File: BF102588.D

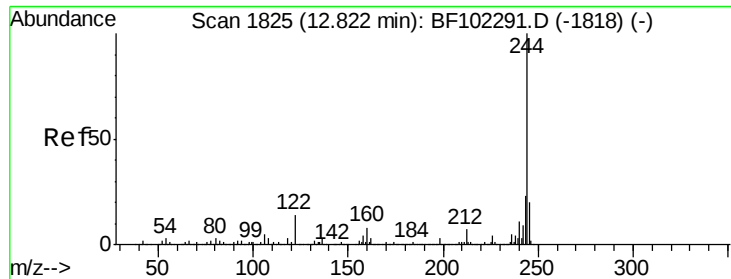
Acq: 29 Jan 2018 10:58

Tgt Ion:	202	Resp:	388832
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.4	26.2
203	17.9	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



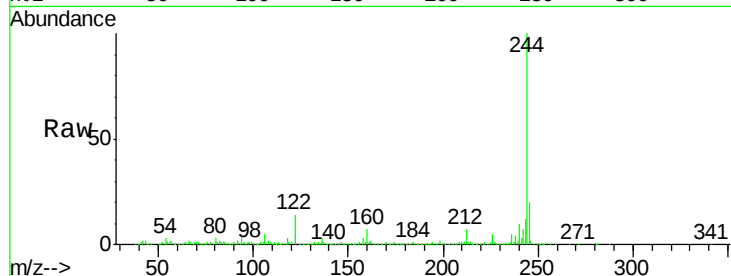


#78
 Terphenyl-d14
 Concen: 63.419 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. 0.00 min
 Lab File: BF102588.D
 Acq: 29 Jan 2018 10:58

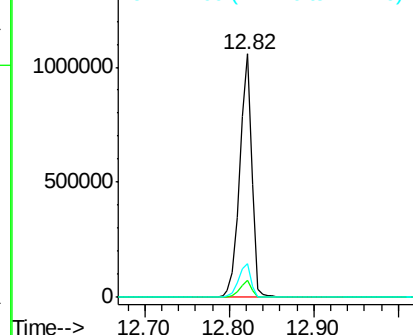
Instrument :
 BNA_F
 ClientSampleId :
 WC-03(0-5)RE

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	13.8	11.0	16.4

Manual Integrations
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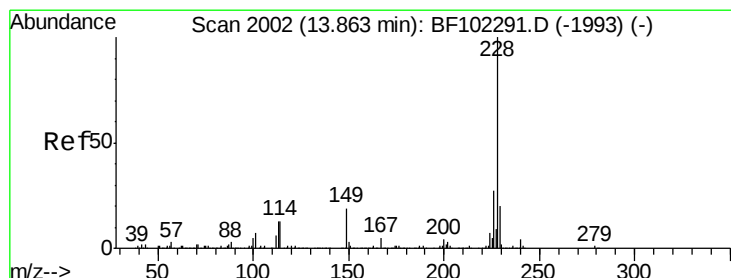
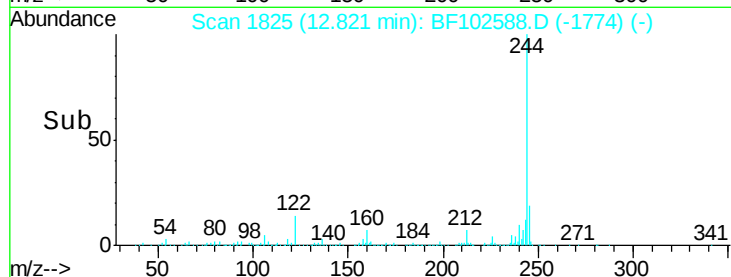


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



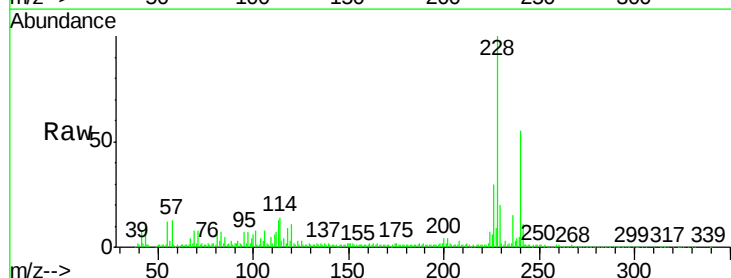
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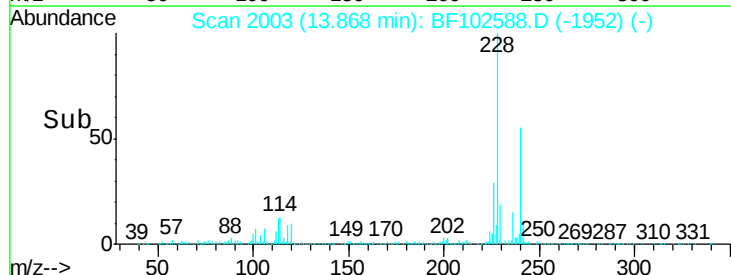
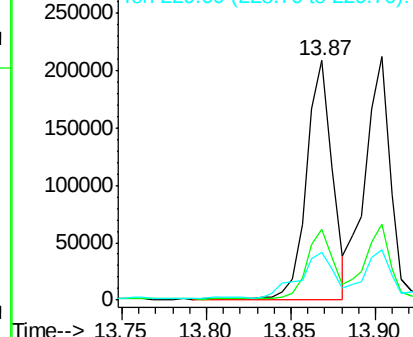


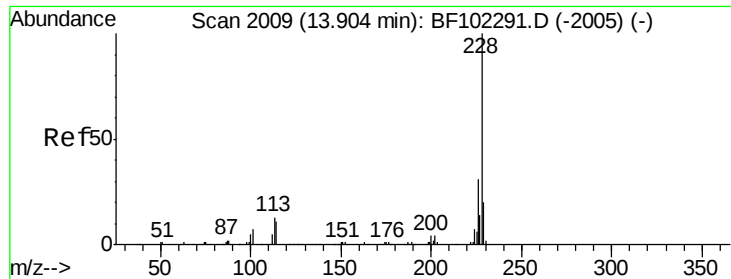
#80
 Benzo(a)anthracene
 Concen: 9.775 ng
 RT: 13.87 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: BF102588.D
 Acq: 29 Jan 2018 10:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.6	33.8
229	20.2	15.8	23.6



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E



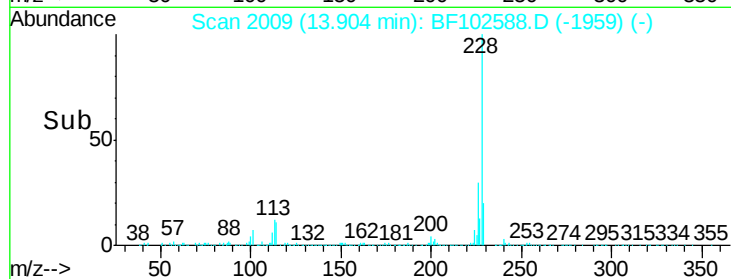
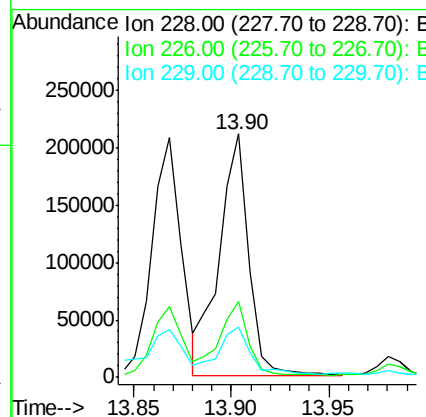
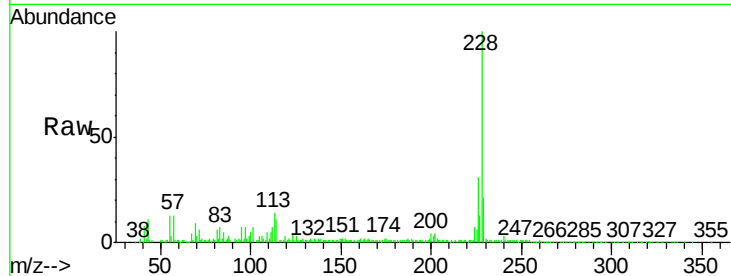


#82
Chrysene
Concen: 9.780 ng
RT: 13.90 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF102588.D
Acq: 29 Jan 2018 10:58

Instrument :
BNA_F
ClientSampleId :
WC-03(0-5)RE

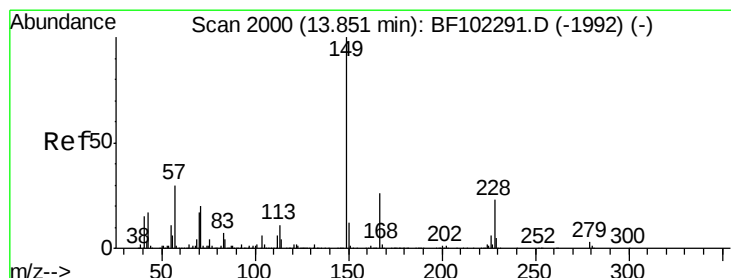
Tgt Ion:	228	Resp:	222578
Ion Ratio	Lower	Upper	
228	100		
226	31.1	25.0	37.6
229	20.9	16.2	24.4

Manual Integrations
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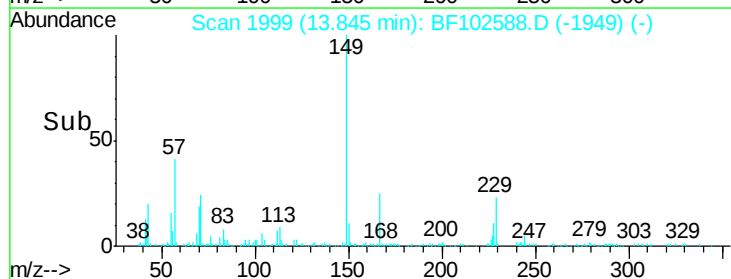
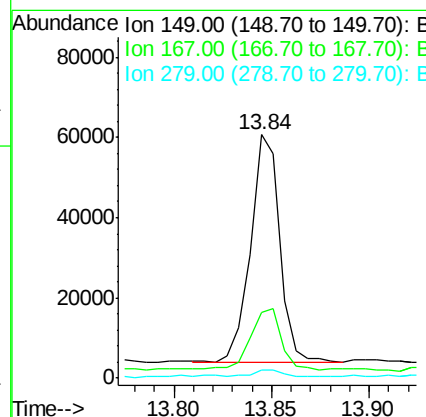
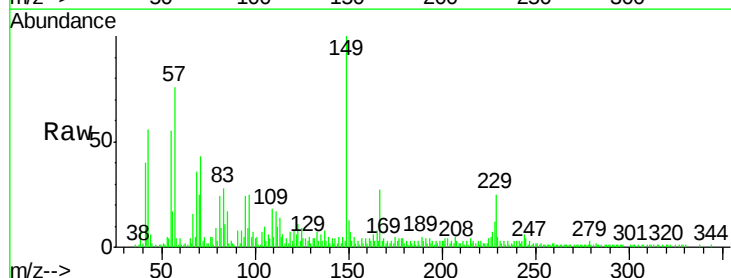
Sohil

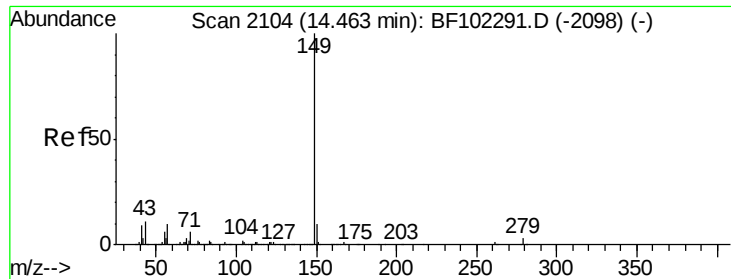
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#83
Bis(2-ethylhexyl)phthalate
Concen: 3.142 ng
RT: 13.84 min Scan# 1999
Delta R.T. -0.01 min
Lab File: BF102588.D
Acq: 29 Jan 2018 10:58

Tgt Ion:	149	Resp:	59135
Ion Ratio	Lower	Upper	
149	100		
167	26.8	21.3	31.9
279	3.1	3.0	4.4



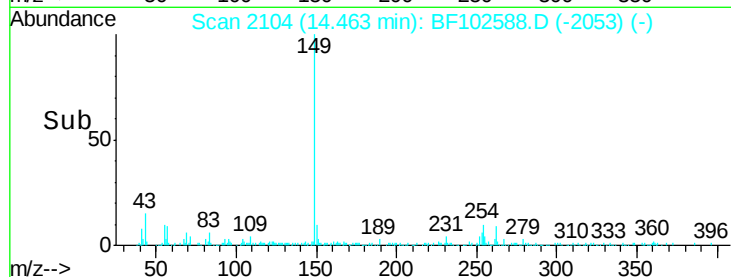
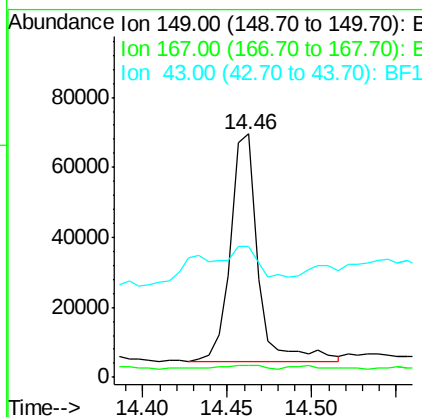
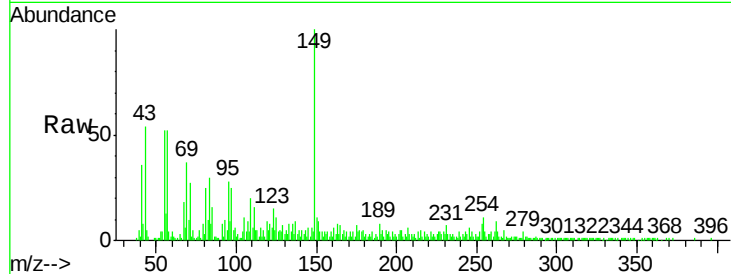


#84
Di-n-octyl phthalate
Concen: 2.388 ng
RT: 14.46 min Scan# 2104
Delta R.T. -0.00 min
Lab File: BF102588.D
Acq: 29 Jan 2018 10:58

Instrument :
BNA_F
ClientSampleId :
WC-03(0-5)RE

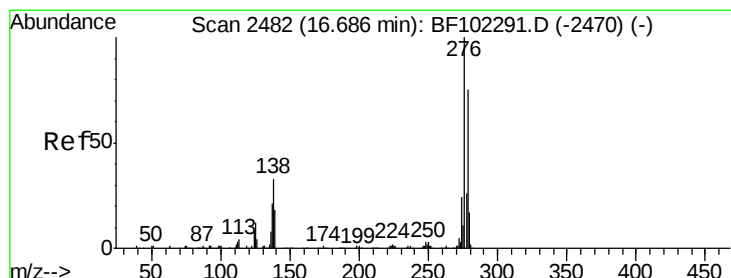
Tgt Ion	Ratio	Lower	Upper
149	100		
167	2.1	1.2	1.8#
43	14.2	8.4	12.6#

Manual Integrations
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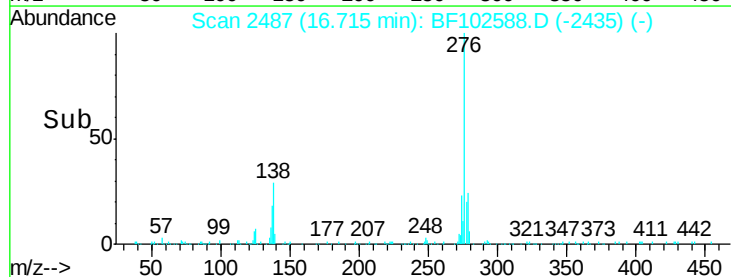
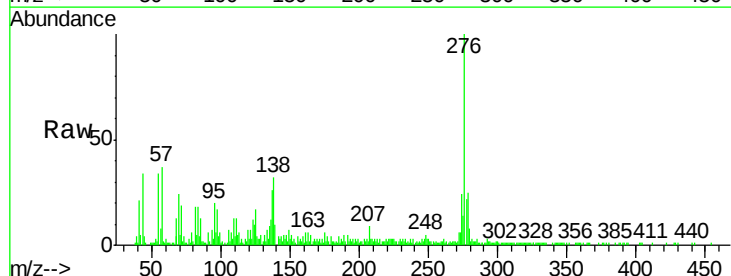
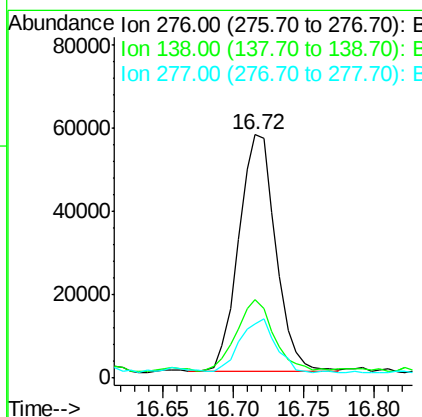
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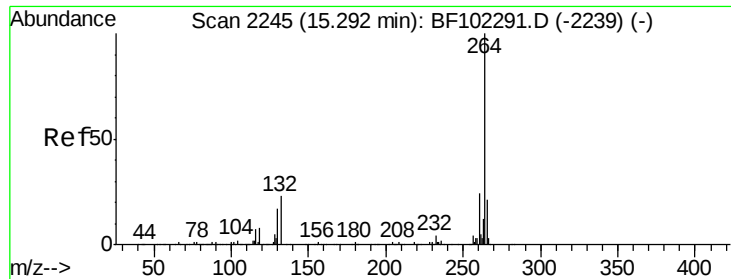
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#85
Indeno(1,2,3-cd)pyrene
Concen: 5.598 ng
RT: 16.72 min Scan# 2482
Delta R.T. 0.01 min
Lab File: BF102588.D
Acq: 29 Jan 2018 10:58

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.8	25.0	37.6
277	21.9	20.1	30.1



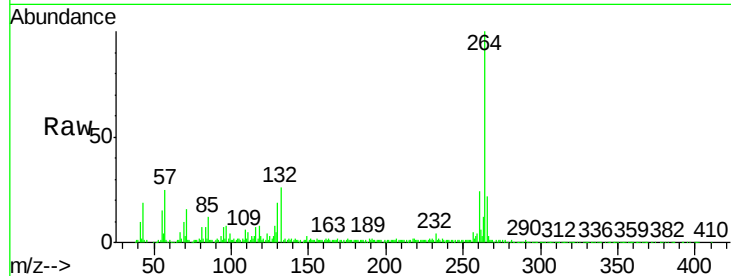


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.31 min Scan# 2248
Delta R.T. 0.01 min
Lab File: BF102588.D
Acq: 29 Jan 2018 10:58

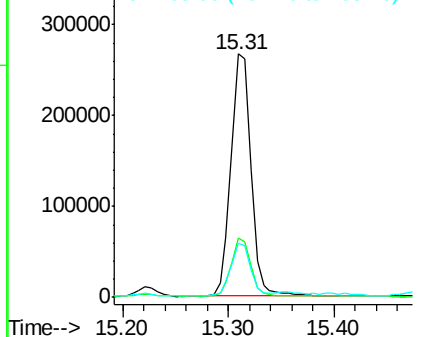
Instrument :
BNA_F
ClientSampleId :
WC-03(0-5)RE

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	349835		
260	24.2	19.2	28.8	
265	22.2	17.5	26.3	

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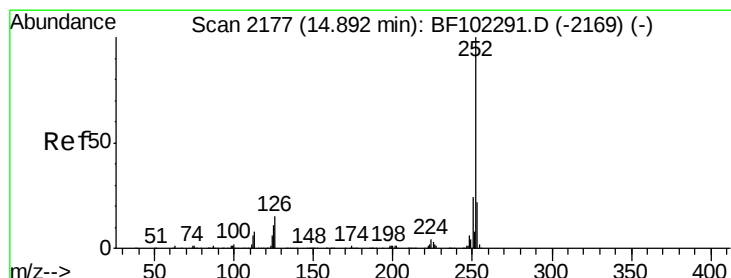
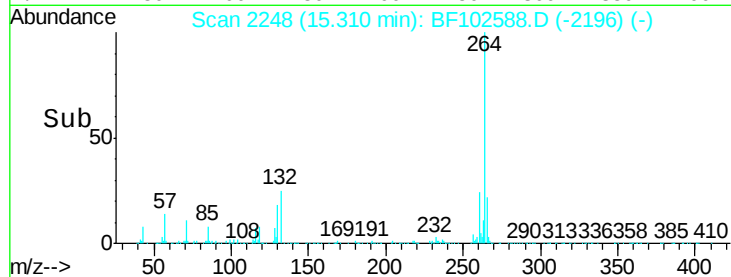


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



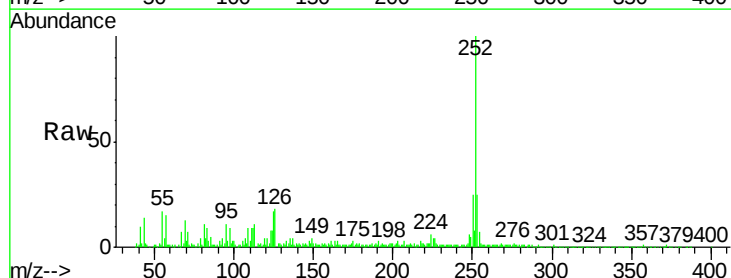
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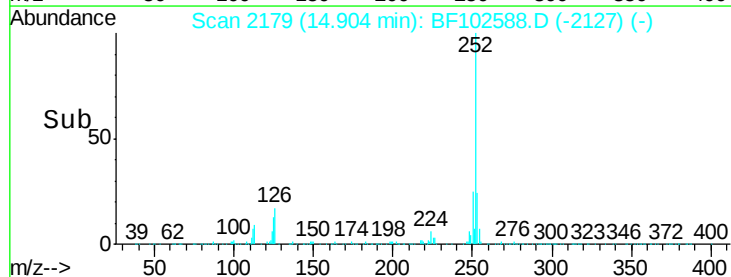
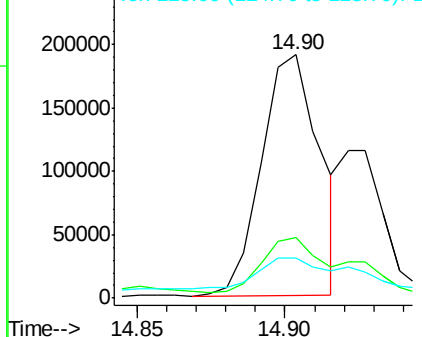


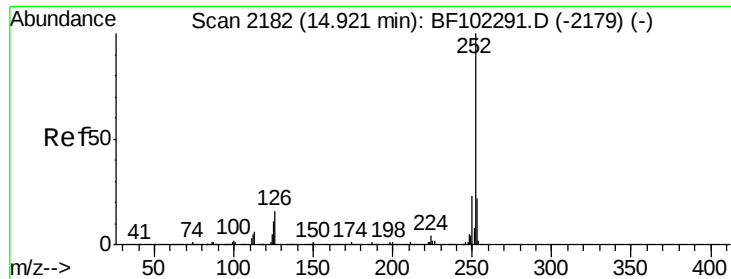
#87
Benzo(b)fluoranthene
Concen: 11.603 ng m
RT: 14.90 min Scan# 2179
Delta R.T. 0.01 min
Lab File: BF102588.D
Acq: 29 Jan 2018 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	263103		
253	24.8	17.0	25.6	
125	16.6	9.0	13.6	



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





#88

Benzo(k)fluoranthene

Concen: 5.595 ng m

RT: 14.93 min Scan# 2183

Delta R.T. 0.00 min

Lab File: BF102588.D

Acq: 29 Jan 2018 10:58

Instrument :

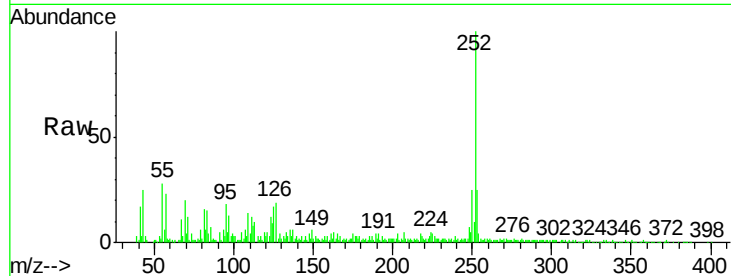
BNA_F

ClientSampleId :

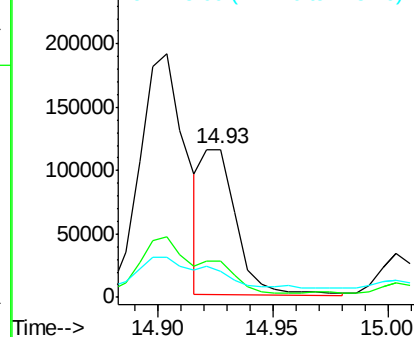
WC-03(0-5)RE

Tgt Ion:	252	Resp:	119867
Ion Ratio	Lower	Upper	
252	100		
253	24.6	17.9	26.9
125	17.5	10.2	15.2#

Manual Integrations
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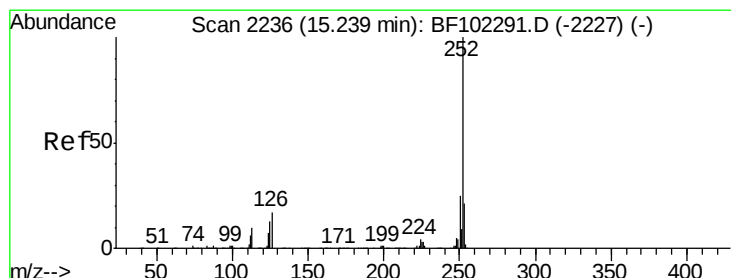
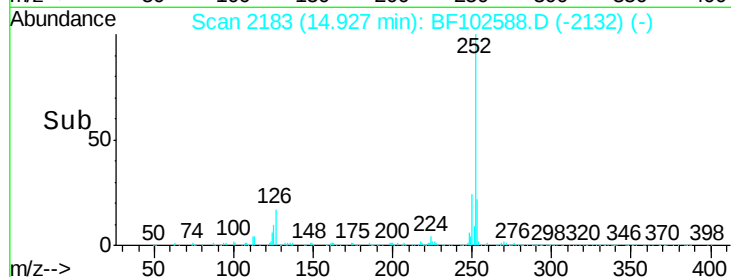


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



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#89

Benzo(a)pyrene

Concen: 9.897 ng

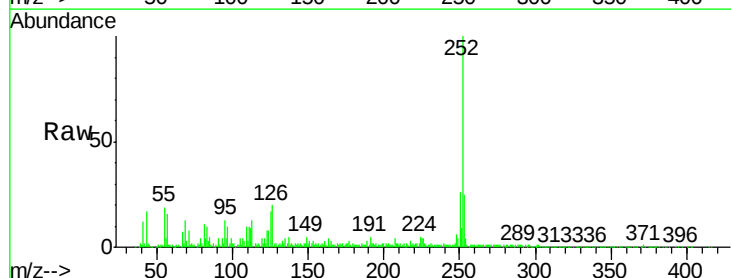
RT: 15.25 min Scan# 2238

Delta R.T. -0.00 min

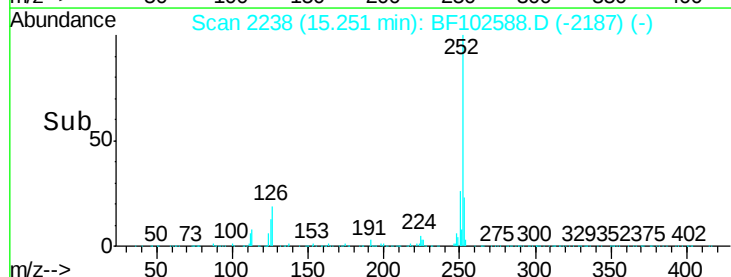
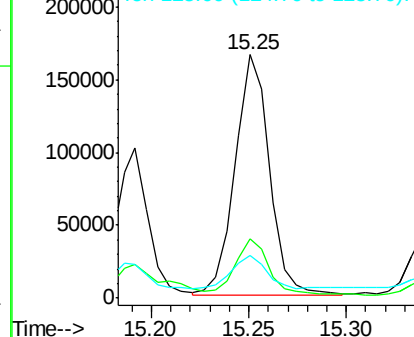
Lab File: BF102588.D

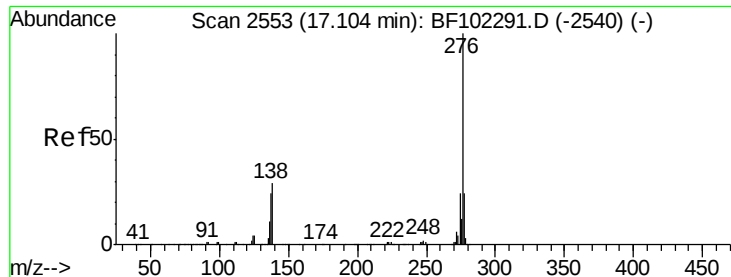
Acq: 29 Jan 2018 10:58

Tgt Ion:	252	Resp:	202386
Ion Ratio	Lower	Upper	
252	100		
253	24.6	17.1	25.7
125	17.4	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



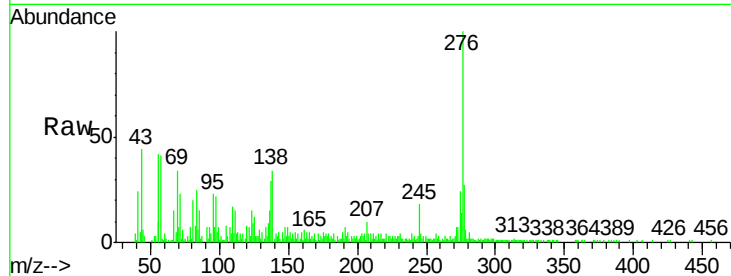


#91
 Benzo(g,h,i)perylene
 Concen: 5.802 ng
 RT: 17.14 min Scan# 2560
 Delta R.T. 0.01 min
 Lab File: BF102588.D
 Acq: 29 Jan 2018 10:58

Instrument :
 BNA_F
 ClientSampleId :
 WC-03(0-5)RE

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.1	17.9	26.9#
138	33.9	21.8	32.8#

Manual Integrations
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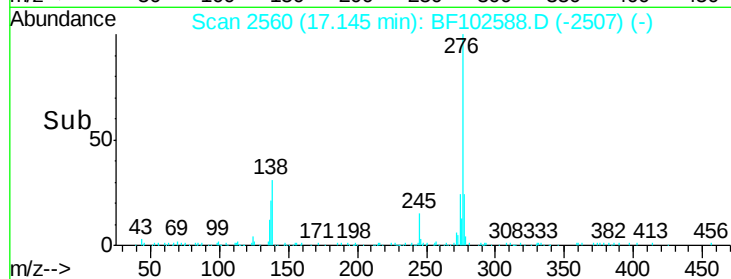
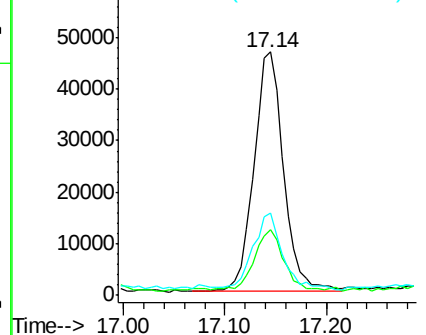


Abundance

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



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