

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012918\
 Data File : BF102604.D
 Acq On : 29 Jan 2018 18:34
 Operator : SJ/JU
 Sample : J1257-11 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-16(0-5)

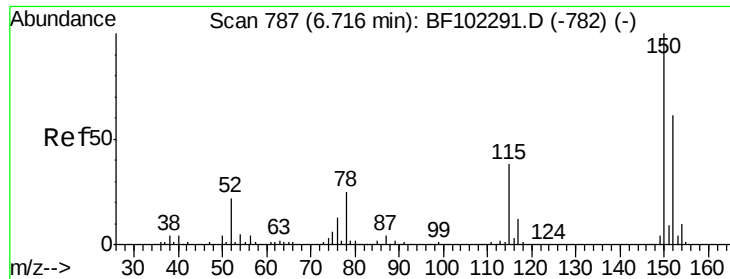
Manual Integrations
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Quant Time: Jan 30 02:08:03 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	171446	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	720949	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	304553	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	447908	20.00	ng	0.00
75) Chrysene-d12	13.89	240	264659	20.00	ng	0.01
86) Perylene-d12	15.33	264	286509	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	525250	46.45	ng	0.00
7) Phenol-d6	6.36	99	643110	47.18	ng	0.00
23) Nitrobenzene-d5	7.28	82	357505	28.50	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	98940	32.79	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	539754	26.06	ng	0.00
78) Terphenyl-d14	12.83	244	334953	28.53	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.47	163	101779	4.043	ng	Qvalue # 99
70) Phenanthrene	11.26	178	264470	10.133	ng	98
71) Anthracene	11.32	178	93529m	3.511	ng	
74) Fluoranthene	12.46	202	354618	13.323	ng	98
77) Pyrene	12.69	202	361162	17.650	ng	97
80) Benzo(a)anthracene	13.88	228	157982	9.696	ng	# 94
82) Chrysene	13.92	228	148245	8.959	ng	# 92
85) Indeno(1,2,3-cd)pyrene	16.73	276	122499	8.964	ng	96
87) Benzo(b)fluoranthene	14.92	252	201570m	10.855	ng	
88) Benzo(k)fluoranthene	14.94	252	49964m	2.848	ng	
89) Benzo(a)pyrene	15.26	252	155524	9.286	ng	# 88
90) Dibenzo(a,h)anthracene	16.73	278	28707	2.116	ng	# 71
91) Benzo(g,h,i)perylene	17.15	276	121629	9.080	ng	# 90

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



#1

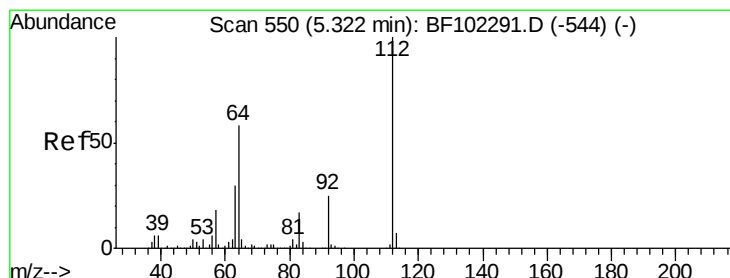
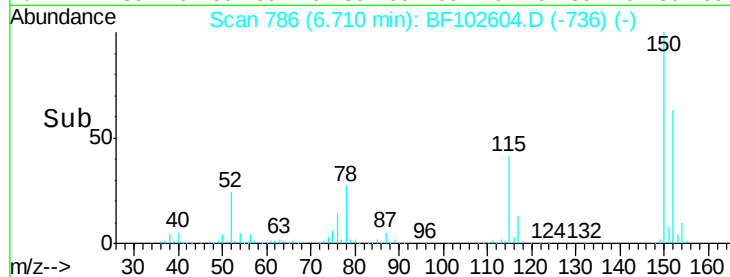
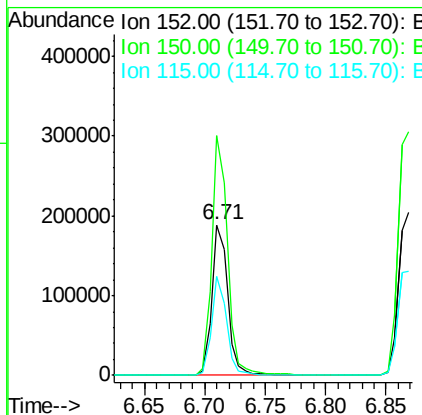
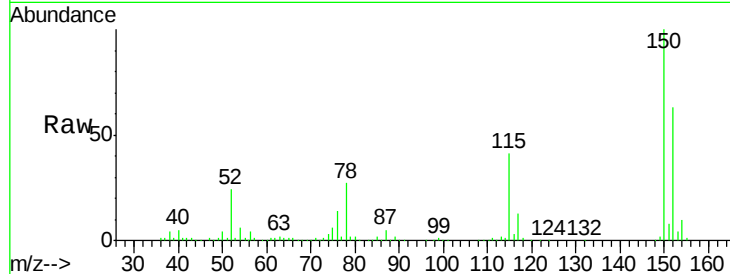
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF102604.D
Acq: 29 Jan 2018 18:34

Instrument :
BNA_F
ClientSampled :
WC-16(0-5)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	159.1	124.6	186.8
115	65.5	50.1	75.1

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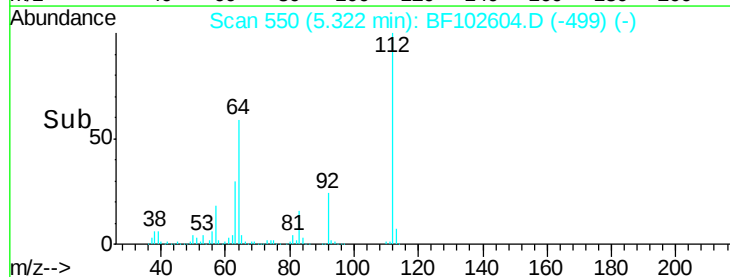
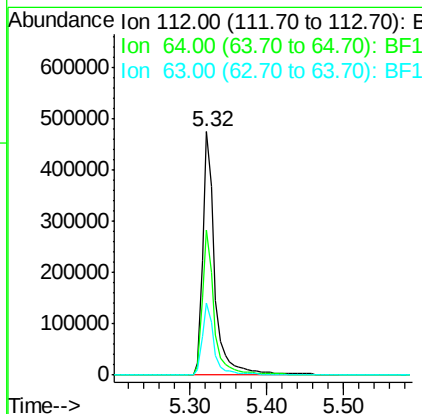
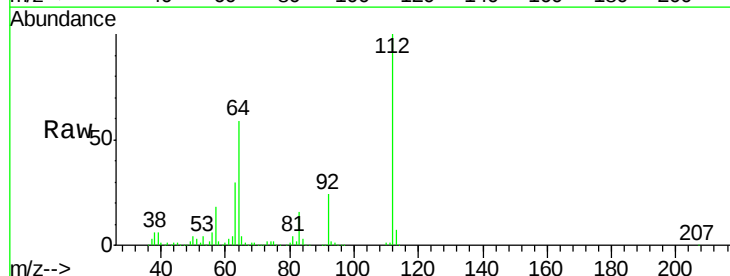
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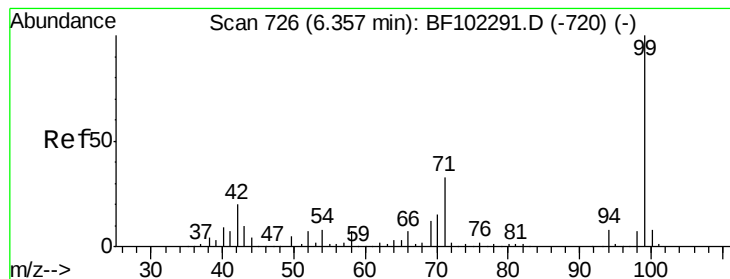


#5

2-Fluorophenol
Concen: 46.453 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.00 min
Lab File: BF102604.D
Acq: 29 Jan 2018 18:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.3	47.9	71.9
63	29.7	23.7	35.5





#7

Phenol-d6

Concen: 47.177 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF102604.D

Acq: 29 Jan 2018 18:34

Instrument :

BNA_F

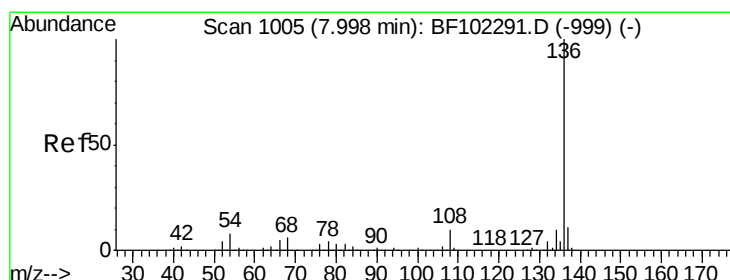
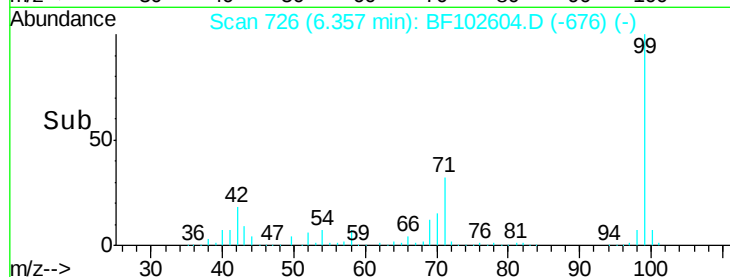
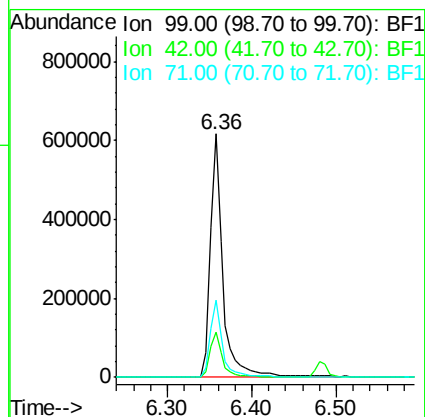
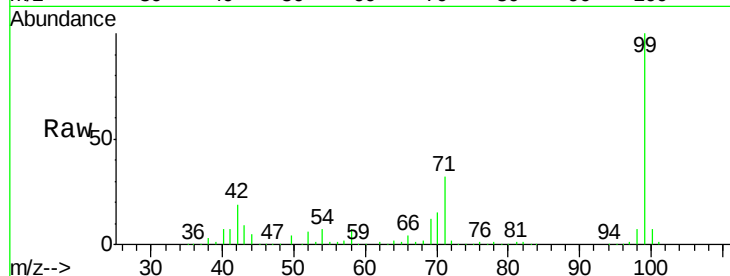
ClientSampleId :

WC-16(0-5)

Tgt Ion:	99	Resp:	643110
Ion Ratio	Lower	Upper	
99	100		
42	18.5	14.5	21.7
71	31.6	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

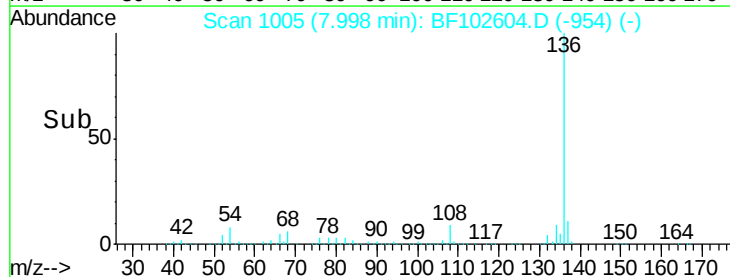
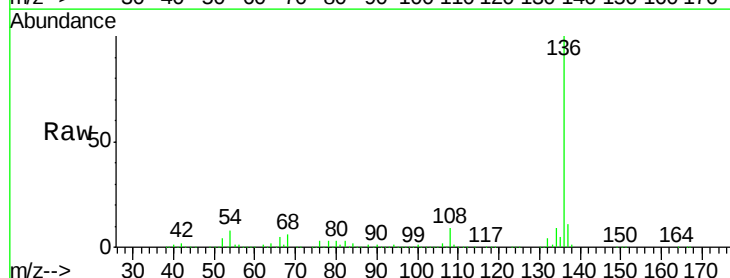
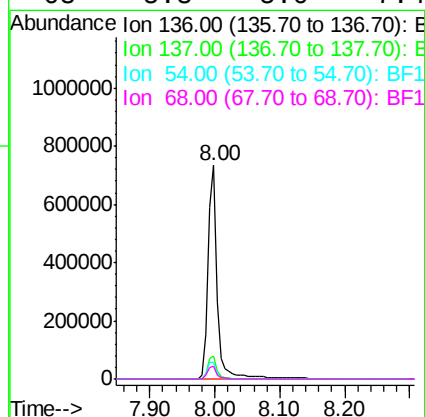
RT: 8.00 min Scan# 1005

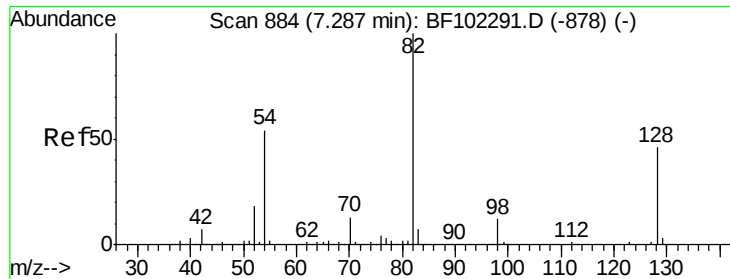
Delta R.T. 0.00 min

Lab File: BF102604.D

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Tgt Ion:	136	Resp:	720949
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	7.6	6.6	9.8
68	5.8	5.0	7.4





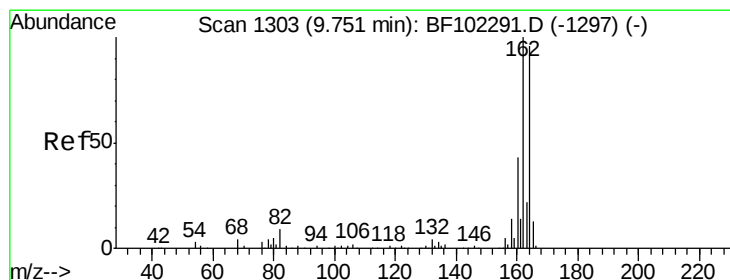
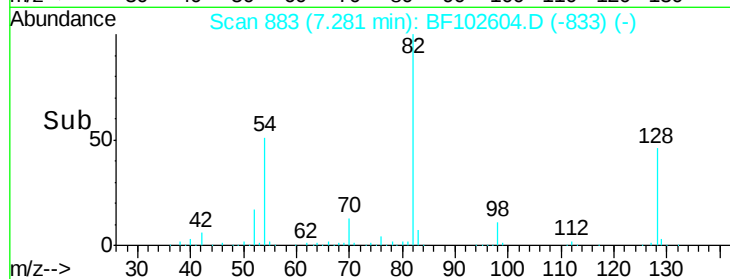
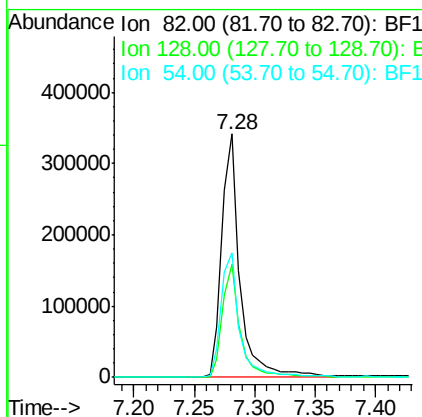
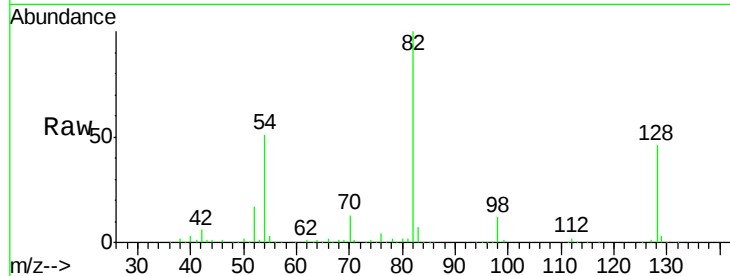
#23
 Nitrobenzene-d5
 Concen: 28.497 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BF102604.D
 Acq: 29 Jan 2018 18:34

Instrument :
 BNA_F
 ClientSampleId :
 WC-16(0-5)

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	357505		
128	46.2	36.1	54.1	
54	51.0	41.4	62.2	

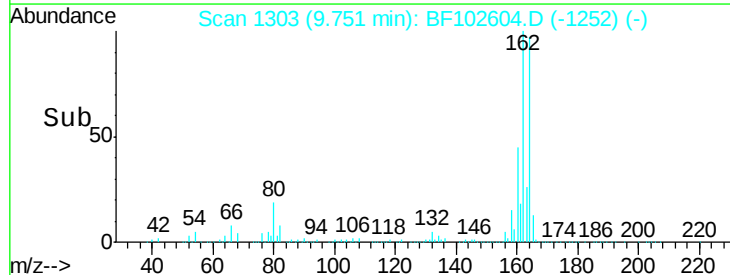
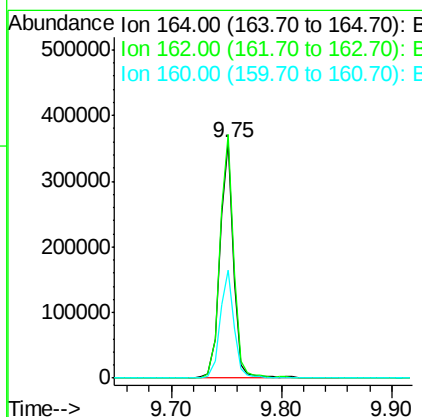
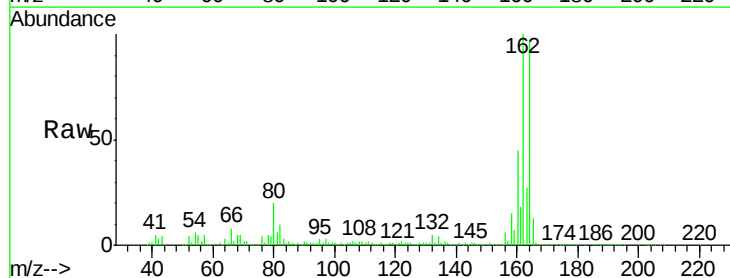
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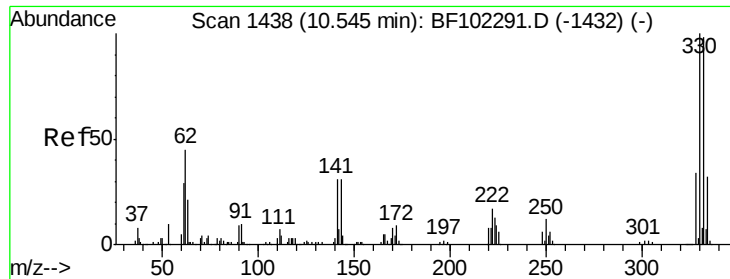
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. 0.00 min
 Lab File: BF102604.D
 Acq: 29 Jan 2018 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	304553		
162	103.2	86.1	129.1	
160	46.0	38.3	57.5	





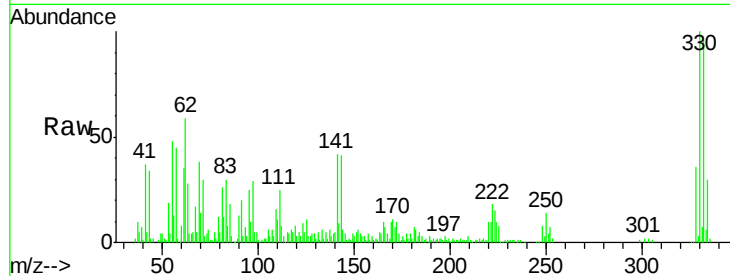
#41
 2,4,6-Tribromophenol
 Concen: 32.787 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.00 min
 Lab File: BF102604.D
 Acq: 29 Jan 2018 18:34

Instrument :
 BNA_F
 ClientSampled :
 WC-16(0-5)

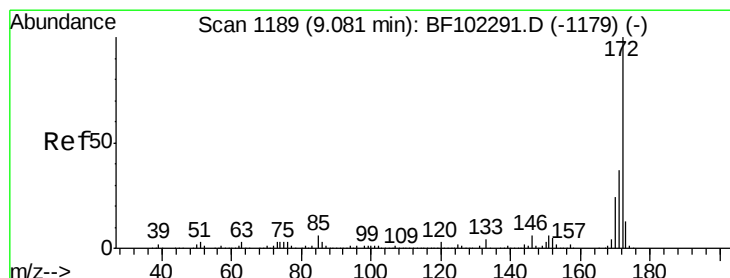
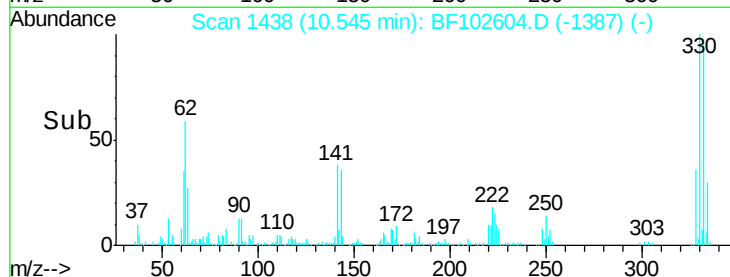
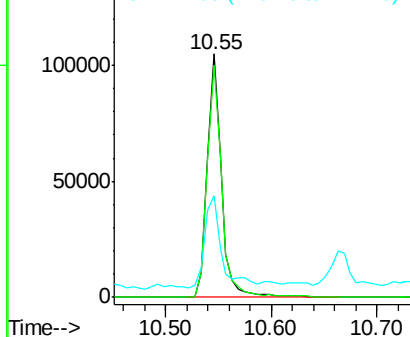
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	98940		
332	97.5	77.0	115.6	
141	44.7	29.9	44.9	

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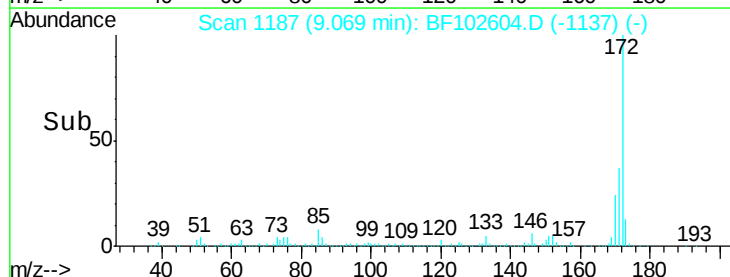
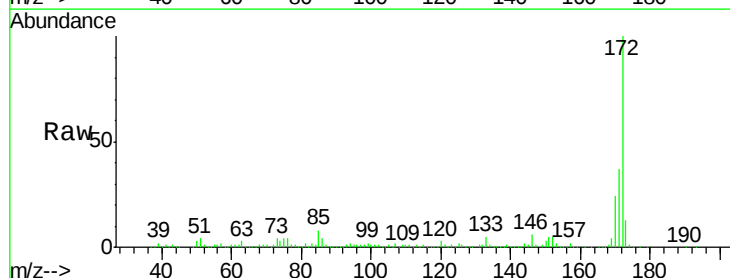
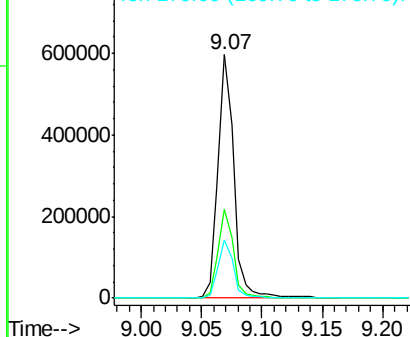
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

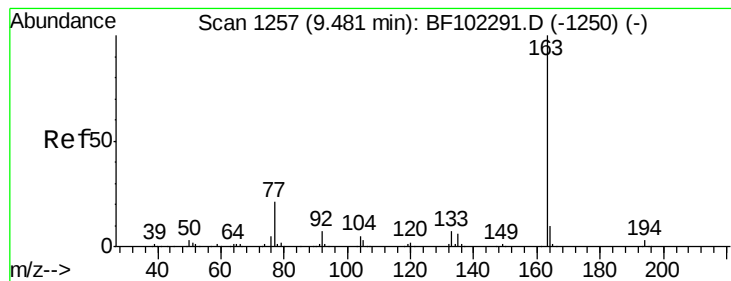


#44
 2-Fluorobiphenyl
 Concen: 26.059 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF102604.D
 Acq: 29 Jan 2018 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	539754		
171	36.5	29.7	44.5	
170	23.9	19.6	29.4	

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





#49

Dimethylphthalate

Concen: 4.043 ng

RT: 9.47 min Scan# 1255

Delta R.T. -0.01 min

Lab File: BF102604.D

Acq: 29 Jan 2018 18:34

Instrument :

BNA_F

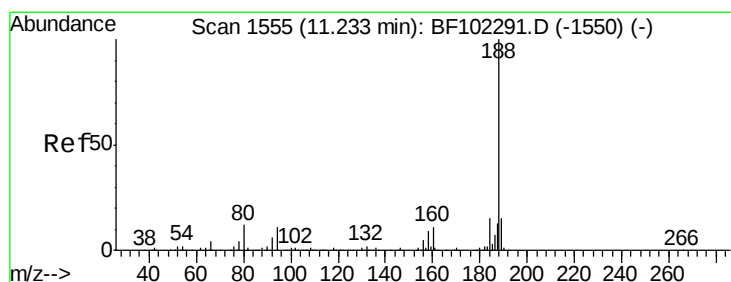
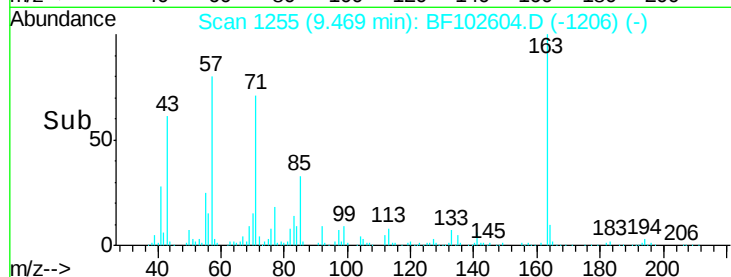
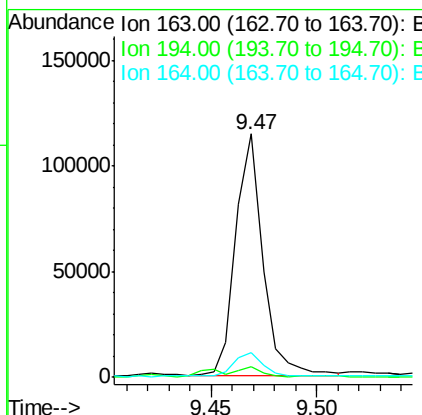
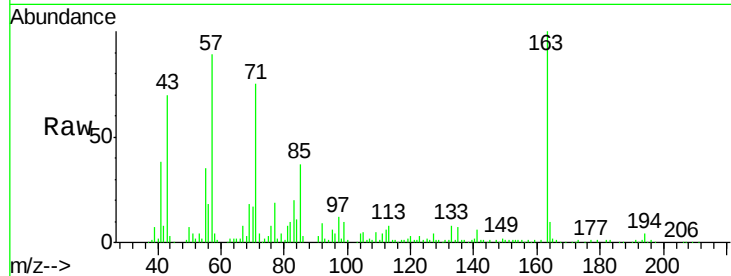
ClientSampleId :

WC-16(0-5)

Tgt Ion:	163	Resp:	101779
Ion Ratio	Lower	Upper	
163	100		
194	4.1	2.7	4.1#
164	10.4	8.2	12.2

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#63

Phenanthrene-d10

Concen: 20.000 ng

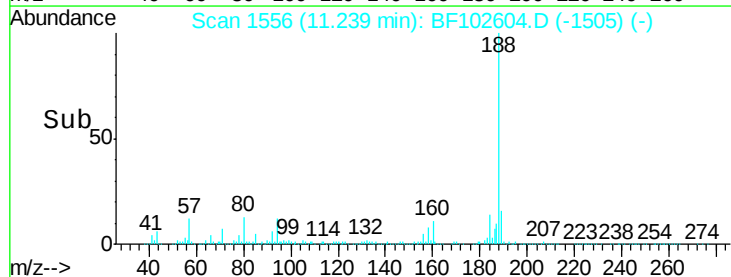
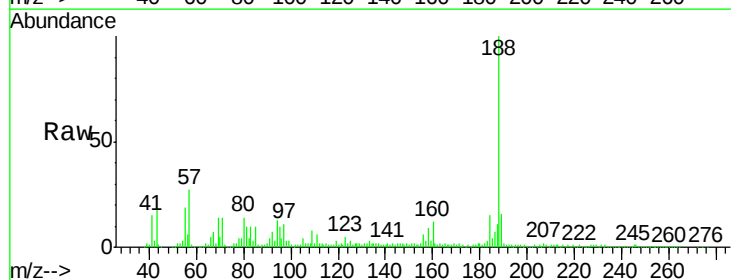
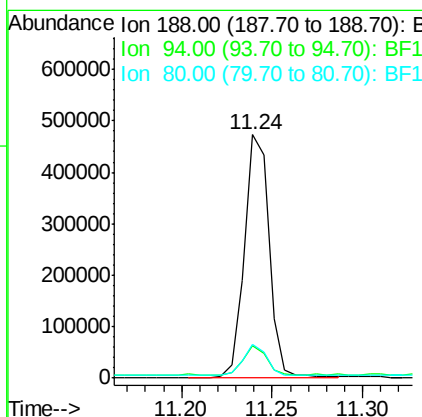
RT: 11.24 min Scan# 1556

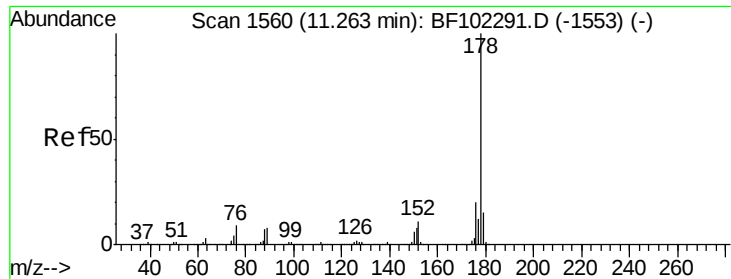
Delta R.T. 0.00 min

Lab File: BF102604.D

Acq: 29 Jan 2018 18:34

Tgt Ion:	188	Resp:	447908
Ion Ratio	Lower	Upper	
188	100		
94	13.3	8.5	12.7#
80	13.8	9.2	13.8#





#70

Phenanthrene

Concen: 10.133 ng

RT: 11.26 min Scan# 1560

Delta R.T. 0.00 min

Lab File: BF102604.D

Acq: 29 Jan 2018 18:34

Instrument :

BNA_F

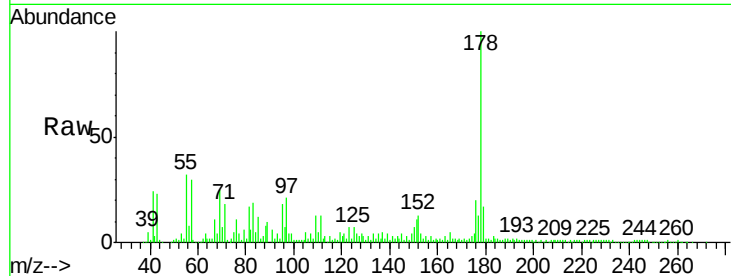
ClientSampleId :

WC-16(0-5)

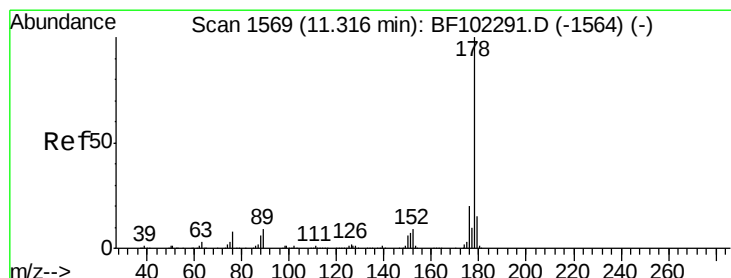
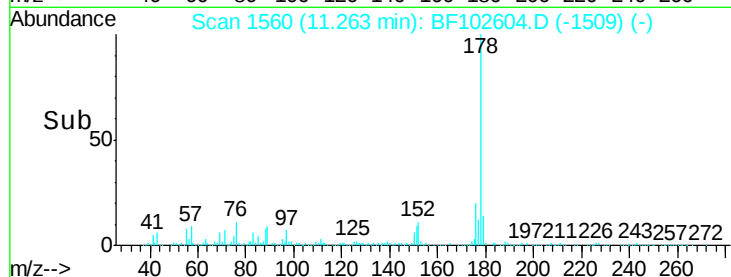
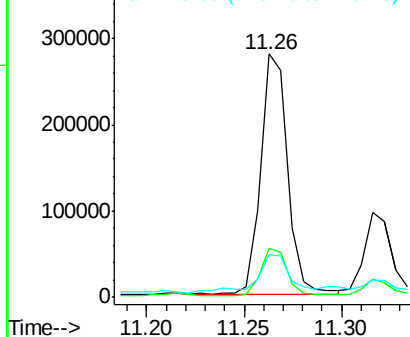
Tgt Ion:	178	Resp:	264470
Ion Ratio	Lower	Upper	
178	100		
176	20.1	15.8	23.8
179	17.5	13.0	19.6

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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



#71

Anthracene

Concen: 3.511 ng m

RT: 11.32 min Scan# 1569

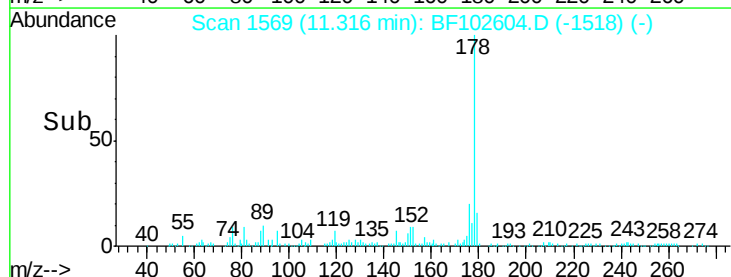
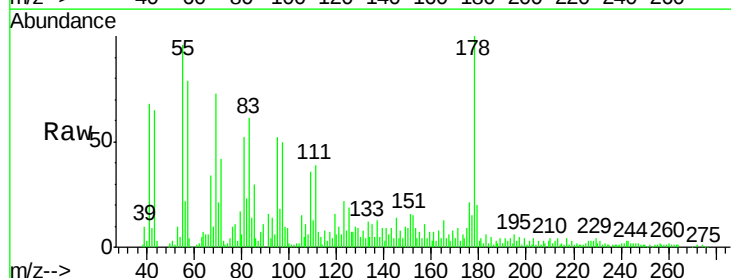
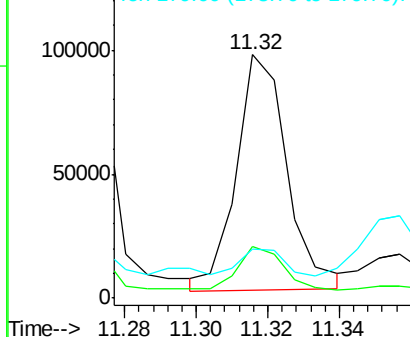
Delta R.T. 0.00 min

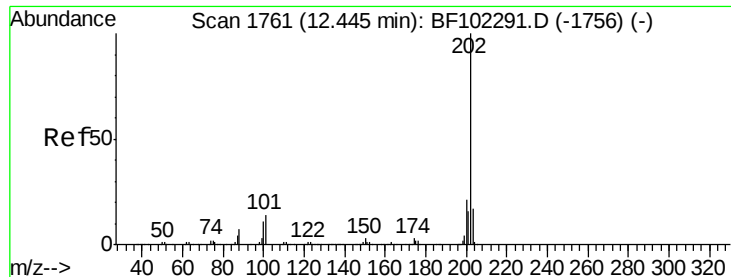
Lab File: BF102604.D

Acq: 29 Jan 2018 18:34

Tgt Ion:	178	Resp:	93529
Ion Ratio	Lower	Upper	
178	100		
176	21.4	15.4	23.2
179	20.2	12.6	19.0#

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





#74

Fluoranthene

Concen: 13.323 ng

RT: 12.46 min Scan# 1764

Delta R.T. 0.01 min

Lab File: BF102604.D

Acq: 29 Jan 2018 18:34

Instrument :

BNA_F

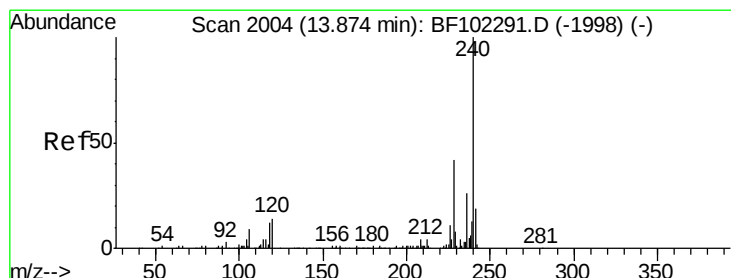
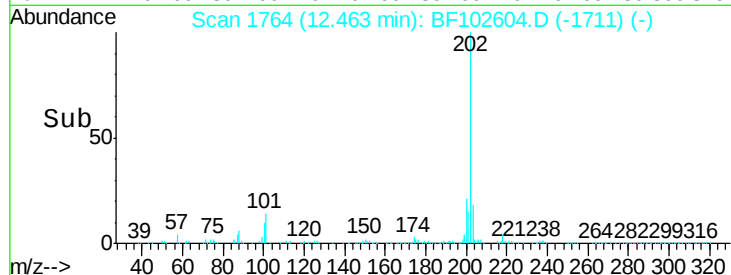
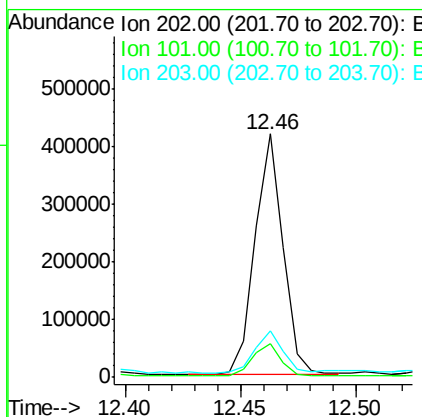
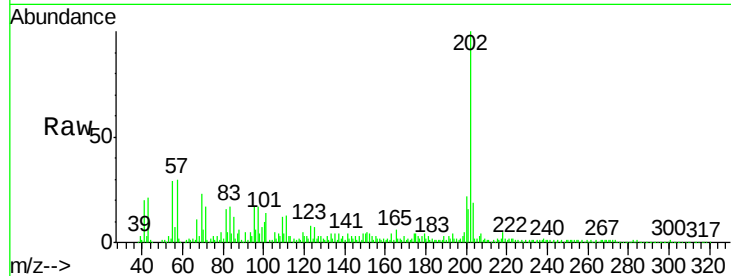
ClientSampleId :

WC-16(0-5)

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		354618		
101	14.0	0.0	34.1		
203	19.2	0.0	38.1		

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#75

Chrysene-d12

Concen: 20.000 ng

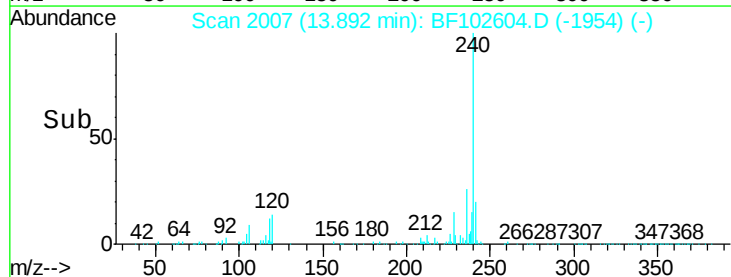
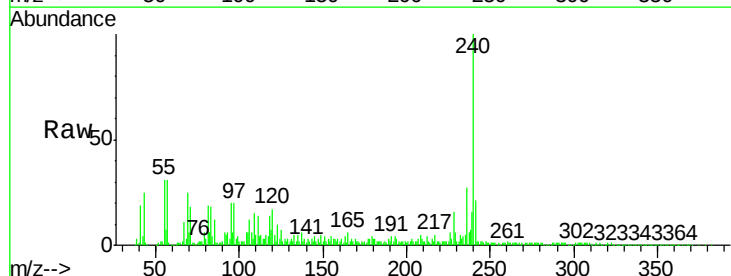
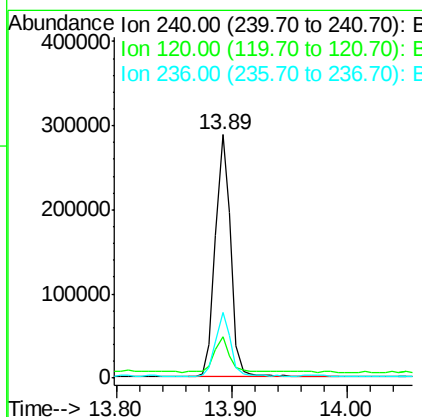
RT: 13.89 min Scan# 2007

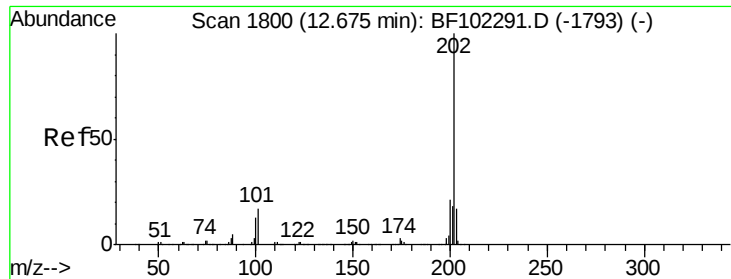
Delta R.T. 0.01 min

Lab File: BF102604.D

Acq: 29 Jan 2018 18:34

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		264659		
120	16.8	9.5	14.3#		
236	27.2	20.7	31.1		





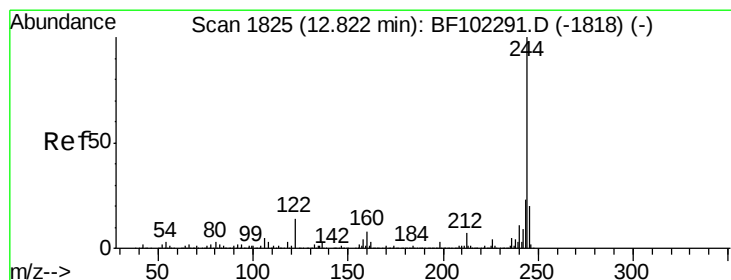
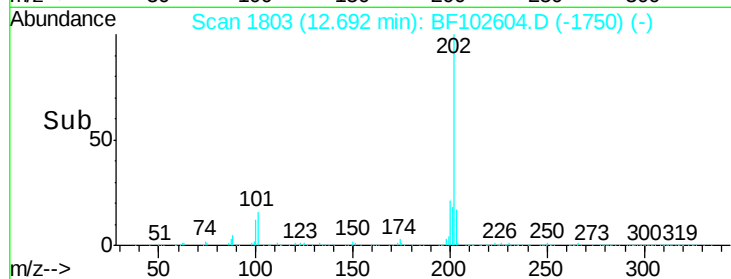
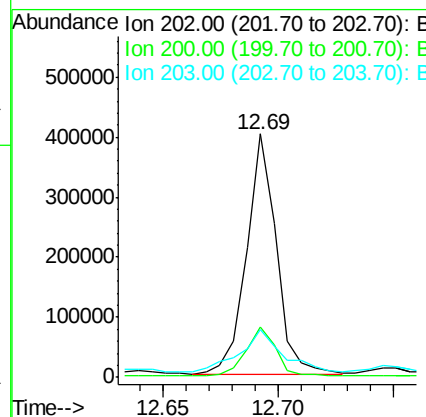
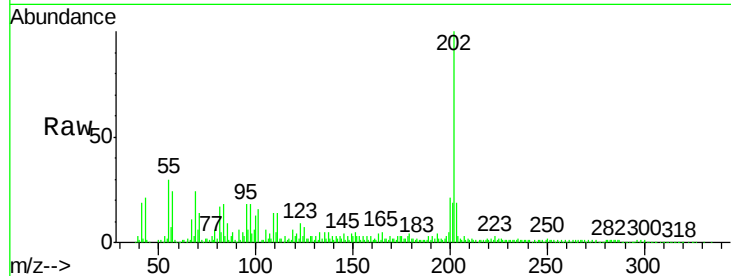
#77
 Pyrene
 Concen: 17.650 ng
 RT: 12.69 min Scan# 1803
 Delta R.T. 0.01 min
 Lab File: BF102604.D
 Acq: 29 Jan 2018 18:34

Instrument :
 BNA_F
 ClientSampleId :
 WC-16(0-5)

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.8	17.4	26.2
203	19.5	14.3	21.5

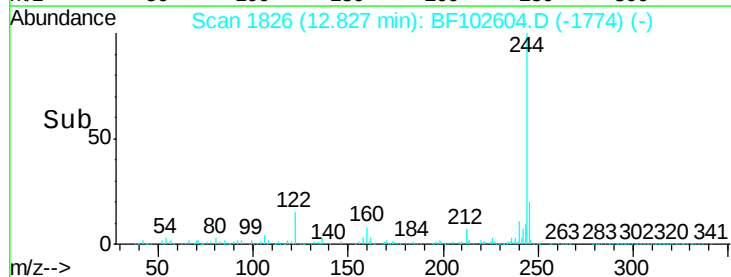
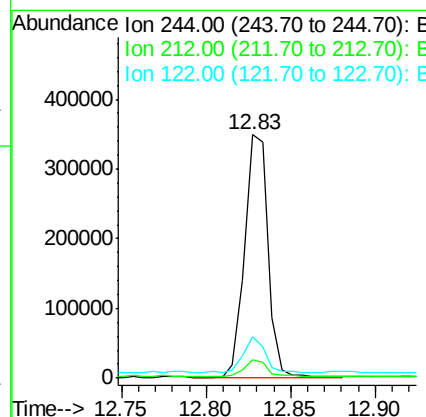
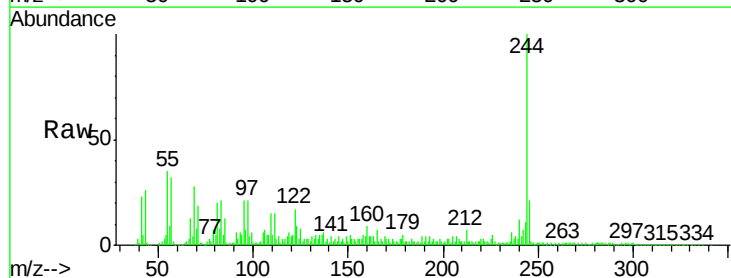
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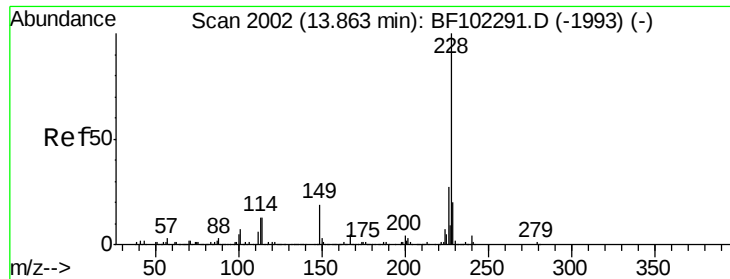
Sohil
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#78
 Terphenyl-d14
 Concen: 28.531 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. 0.01 min
 Lab File: BF102604.D
 Acq: 29 Jan 2018 18:34

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.5	5.4	8.0
122	17.2	11.0	16.4





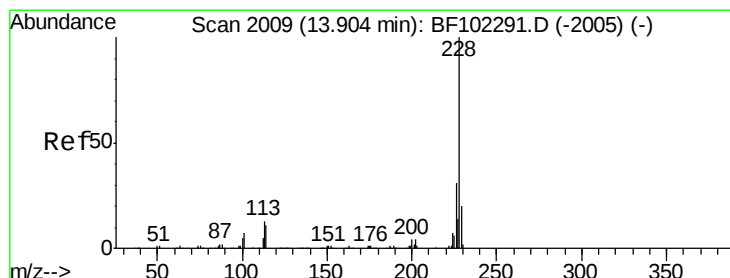
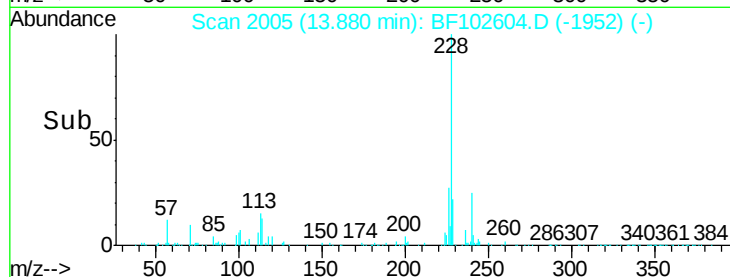
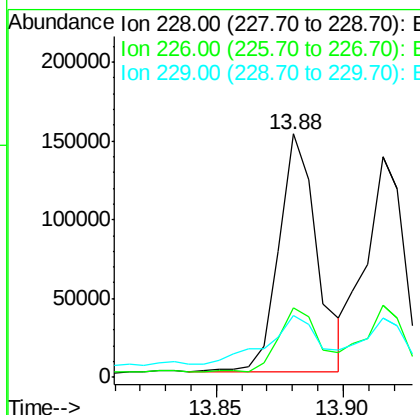
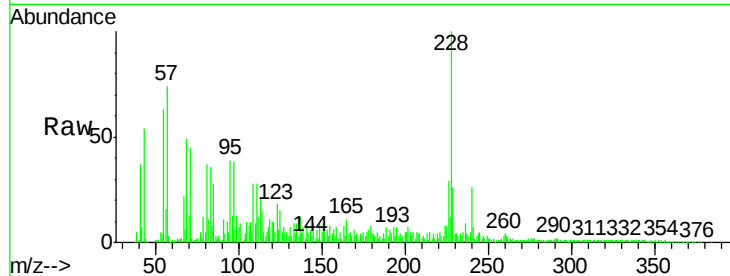
#80
Benzo(a)anthracene
Concen: 9.696 ng
RT: 13.88 min Scan# 2005
Delta R.T. 0.01 min
Lab File: BF102604.D
Acq: 29 Jan 2018 18:34

Instrument :
BNA_F
ClientSampleId :
WC-16(0-5)

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	25.6	15.8	23.6

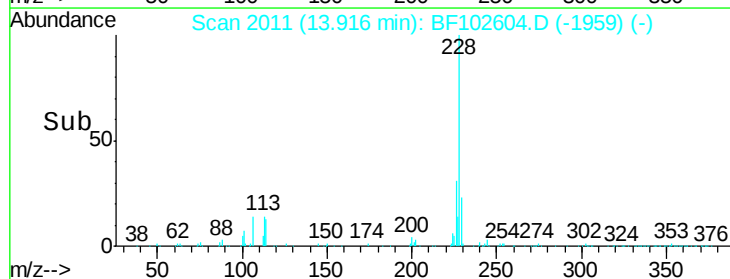
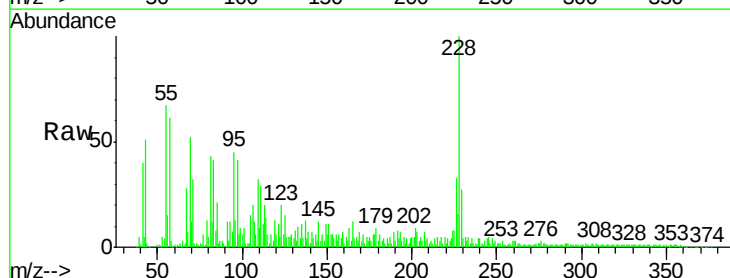
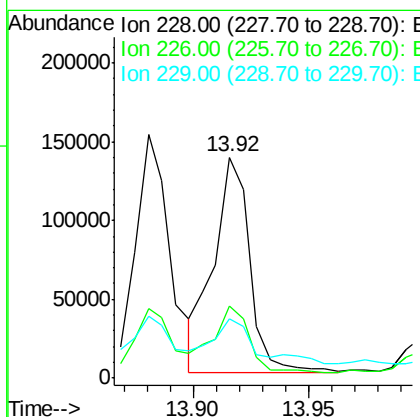
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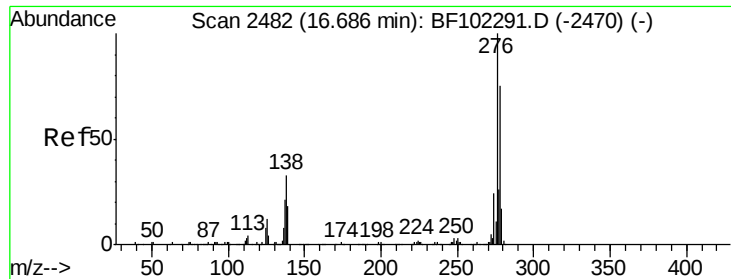
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#82
Chrysene
Concen: 8.959 ng
RT: 13.92 min Scan# 2011
Delta R.T. 0.01 min
Lab File: BF102604.D
Acq: 29 Jan 2018 18:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.9	25.0	37.6
229	27.1	16.2	24.4





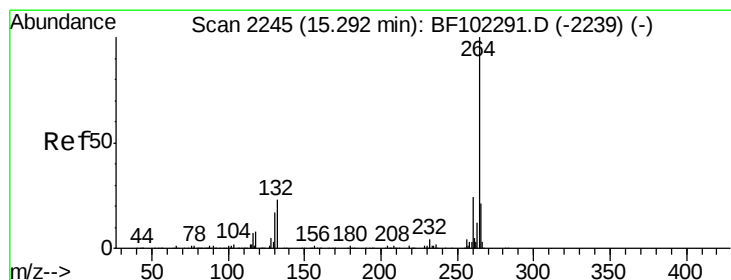
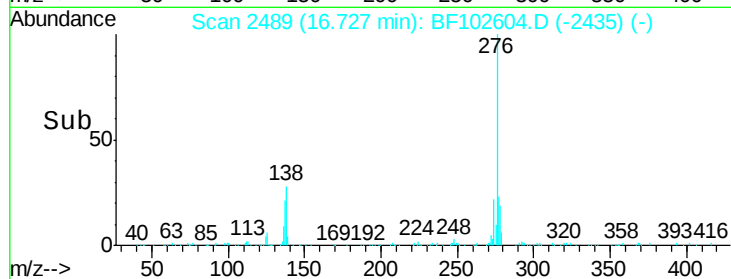
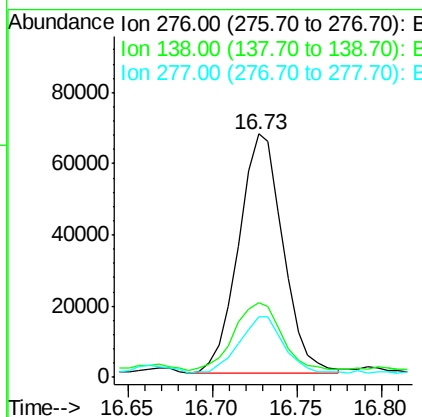
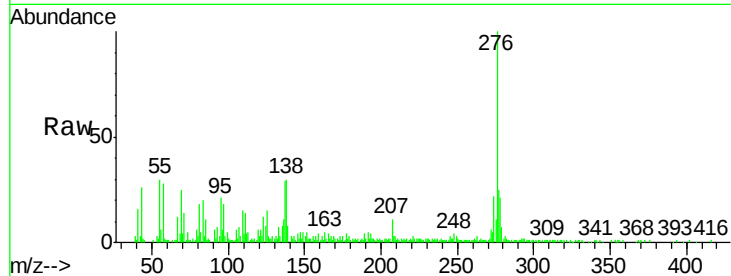
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.964 ng
 RT: 16.73 min Scan# 2489
 Delta R.T. 0.02 min
 Lab File: BF102604.D
 Acq: 29 Jan 2018 18:34

Instrument :
 BNA_F
 ClientSampleId :
 WC-16(0-5)

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	122499		
138	29.7	25.0	37.6	
277	22.9	20.1	30.1	

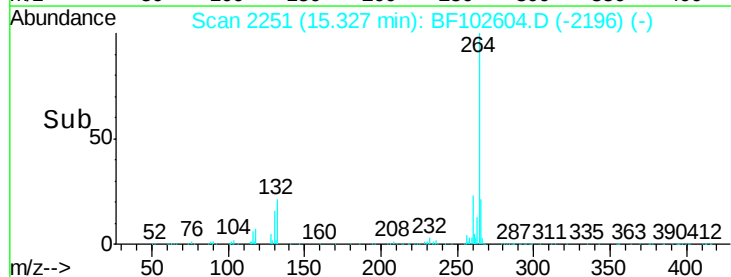
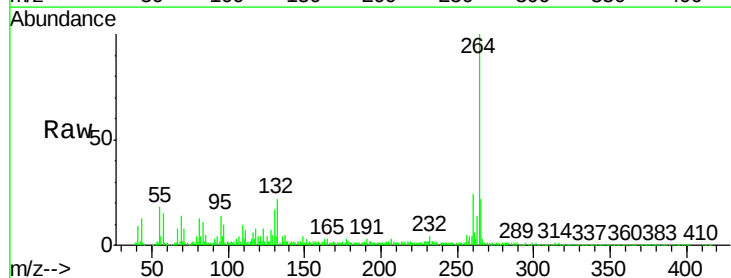
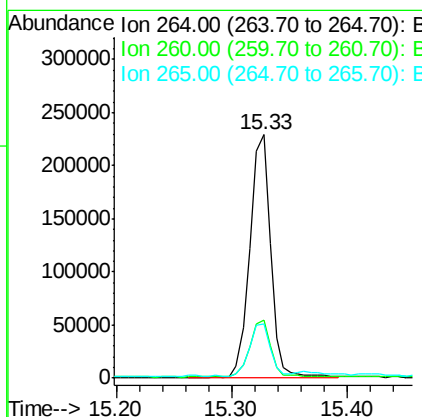
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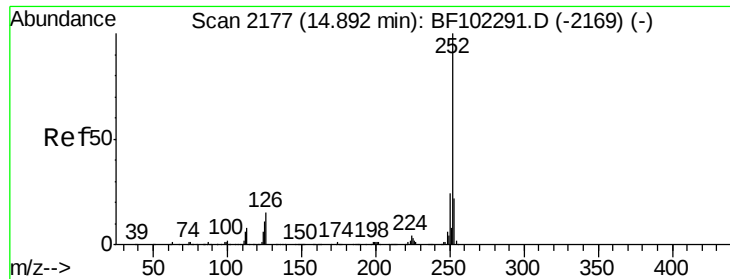
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.33 min Scan# 2251
 Delta R.T. 0.02 min
 Lab File: BF102604.D
 Acq: 29 Jan 2018 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	286509		
260	24.0	19.2	28.8	
265	22.4	17.5	26.3	





#87

Benzo(b)fluoranthene

Concen: 10.855 ng m

RT: 14.92 min Scan# 2181

Delta R.T. 0.02 min

Lab File: BF102604.D

Acq: 29 Jan 2018 18:34

Instrument :

BNA_F

ClientSampled :

WC-16(0-5)

Tgt Ion:252 Resp: 201570
Ion Ratio Lower Upper

252 100

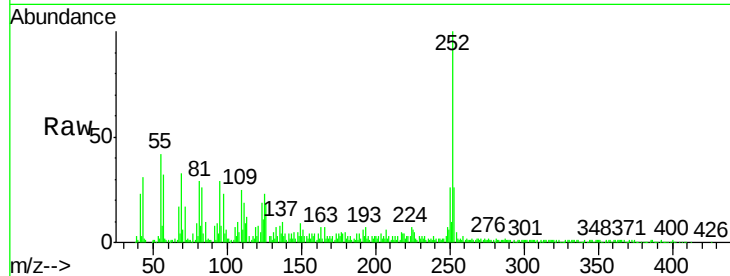
253 26.3 17.0 25.6#

125 22.8 9.0 13.6#

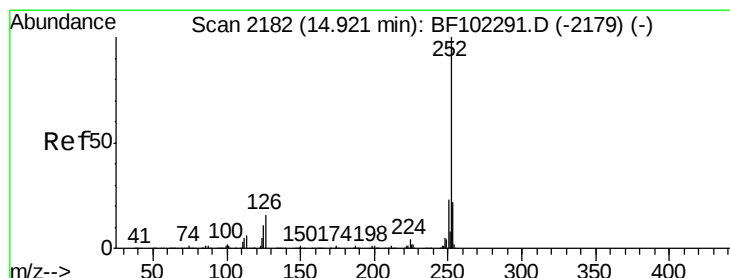
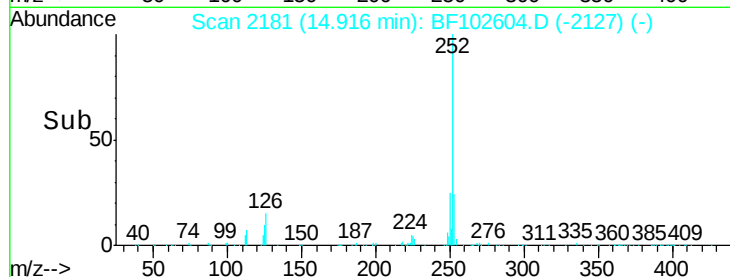
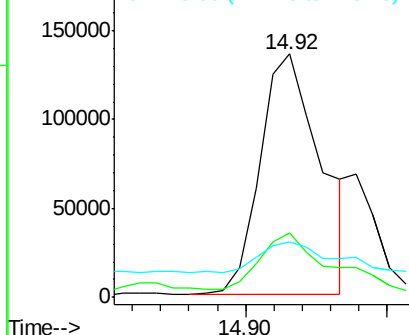
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 2.848 ng m

RT: 14.94 min Scan# 2185

Delta R.T. 0.01 min

Lab File: BF102604.D

Acq: 29 Jan 2018 18:34

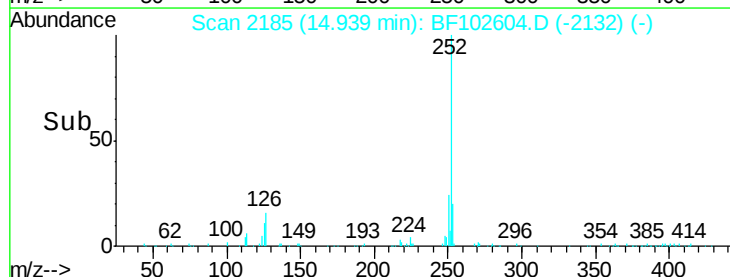
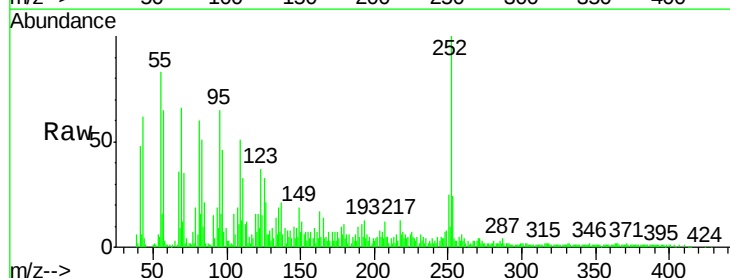
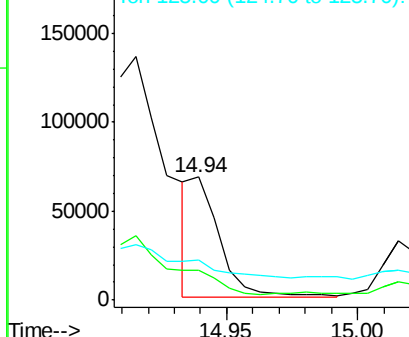
Tgt Ion:252 Resp: 49964
Ion Ratio Lower Upper

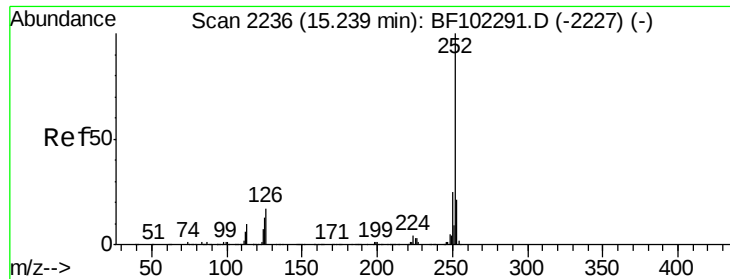
252 100

253 24.4 17.9 26.9

125 32.9 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





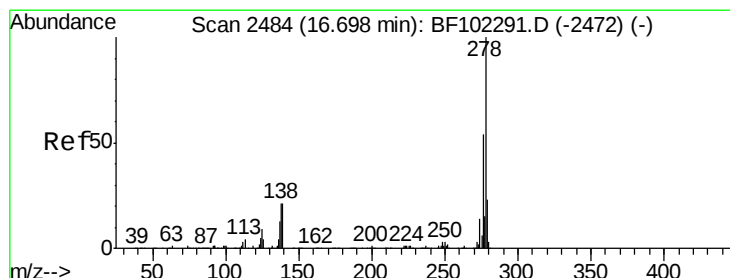
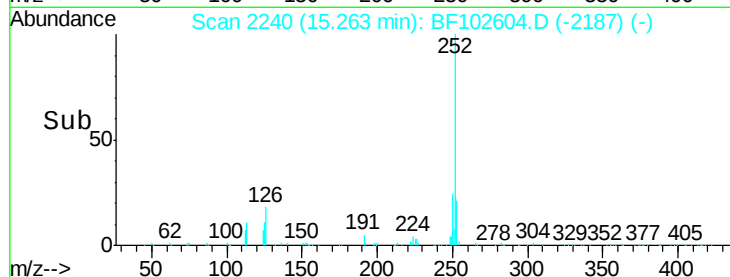
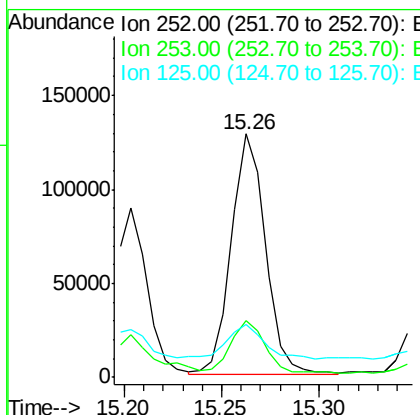
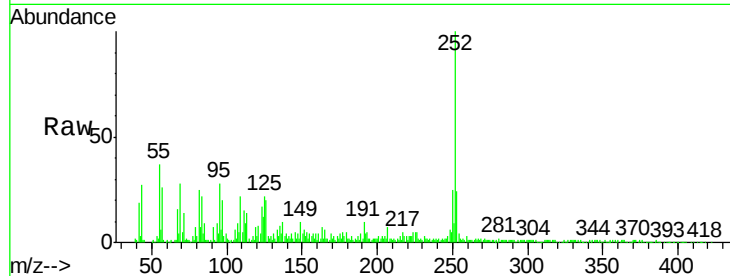
#89
Benzo(a)pyrene
Concen: 9.286 ng
RT: 15.26 min Scan# 2240
Delta R.T. 0.01 min
Lab File: BF102604.D
Acq: 29 Jan 2018 18:34

Instrument :
BNA_F
ClientSampleId :
WC-16(0-5)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	21.7	9.8	14.6

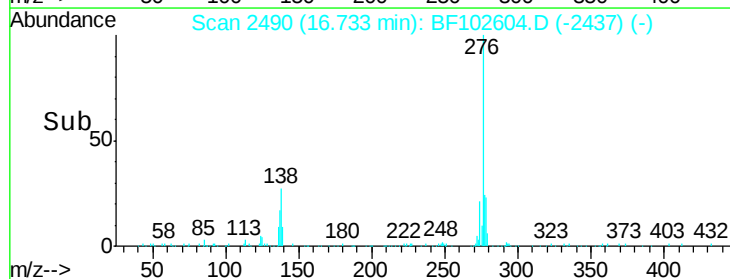
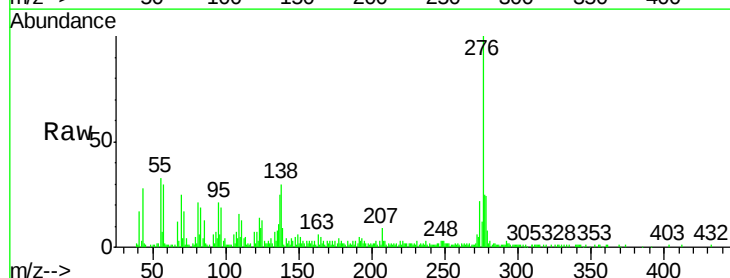
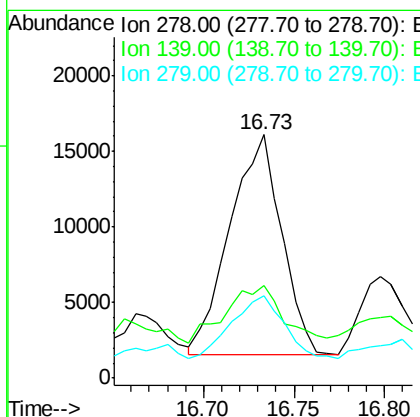
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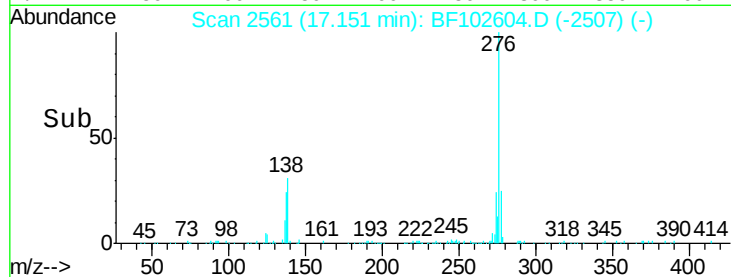
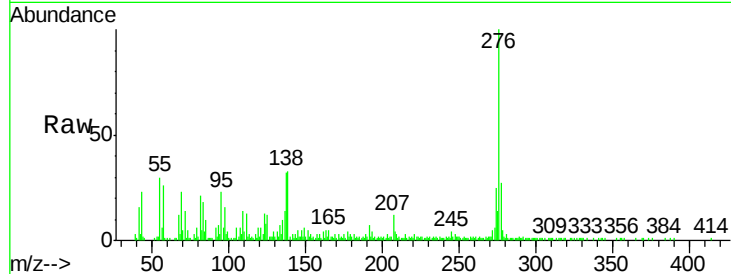
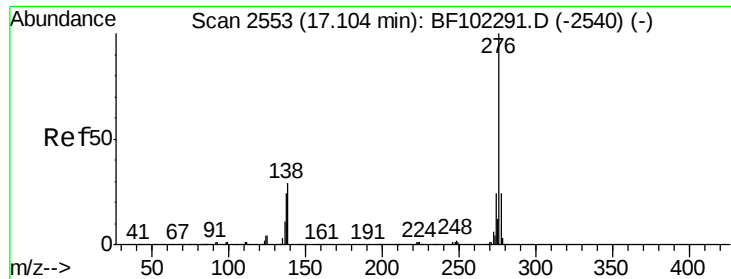
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 2.116 ng
RT: 16.73 min Scan# 2490
Delta R.T. 0.01 min
Lab File: BF102604.D
Acq: 29 Jan 2018 18:34

Tgt Ion	Ratio	Lower	Upper
278	100		
139	37.8	15.9	23.9
279	34.0	19.0	28.4





#91
 Benzo(g,h,i)perylene
 Concen: 9.080 ng
 RT: 17.15 min Scan# 2561
 Delta R.T. 0.02 min
 Lab File: BF102604.D
 Acq: 29 Jan 2018 18:34

Instrument :
 BNA_F
 ClientSampleId :
 WC-16(0-5)

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.5	17.9	26.9
138	33.3	21.8	32.8

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