

Data Path : U:\HPCHEM1\BNA F\DATA\BF012618\
 Data File : BF102496.D
 Acq On : 27 Jan 2018 5:13
 Operator : SJ/JU
 Sample : J1257-01DL 5X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-11(0-5)DL

Manual Integrations
 APPROVED

Sohil
 1/27/2018 1:47:38 PM

Quant Time: Jan 27 06:09:45 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 26 16:18:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	153567	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	600999	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	235165	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	325584	20.00	ng	0.00
75) Chrysene-d12	13.89	240	239283	20.00	ng	0.01
86) Perylene-d12	15.33	264	173984	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	203558	20.10	ng	0.00
7) Phenol-d6	6.36	99	245772	20.13	ng	0.00
23) Nitrobenzene-d5	7.28	82	120180	11.49	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	31211	13.39	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	268937	16.82	ng	0.00
78) Terphenyl-d14	12.83	244	170587	16.07	ng	0.00
Target Compounds						
57) Fluorene	10.30	166	33478	2.099	ng	Qvalue # 94
70) Phenanthrene	11.27	178	287815	15.170	ng	99
71) Anthracene	11.32	178	121399	6.269	ng	98
74) Fluoranthene	12.46	202	486683	25.155	ng	98
77) Pyrene	12.69	202	430533	23.271	ng	100
80) Benzo(a)anthracene	13.88	228	220893	14.994	ng	98
82) Chrysene	13.92	228	182139m	12.175	ng	
83) Bis(2-ethylhexyl)phthalate	13.86	149	68107	5.504	ng	97
85) Indeno(1,2,3-cd)pyrene	16.73	276	75625	6.121	ng	95
87) Benzo(b)fluoranthene	14.92	252	180645m	16.019	ng	
88) Benzo(k)fluoranthene	14.94	252	72091m	6.767	ng	
89) Benzo(a)pyrene	15.27	252	127482	12.535	ng	# 79
90) Dibenzo(a,h)anthracene	16.73	278	20855	2.531	ng	# 61
91) Benzo(g,h,i)perylene	17.16	276	75090	9.231	ng	92

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

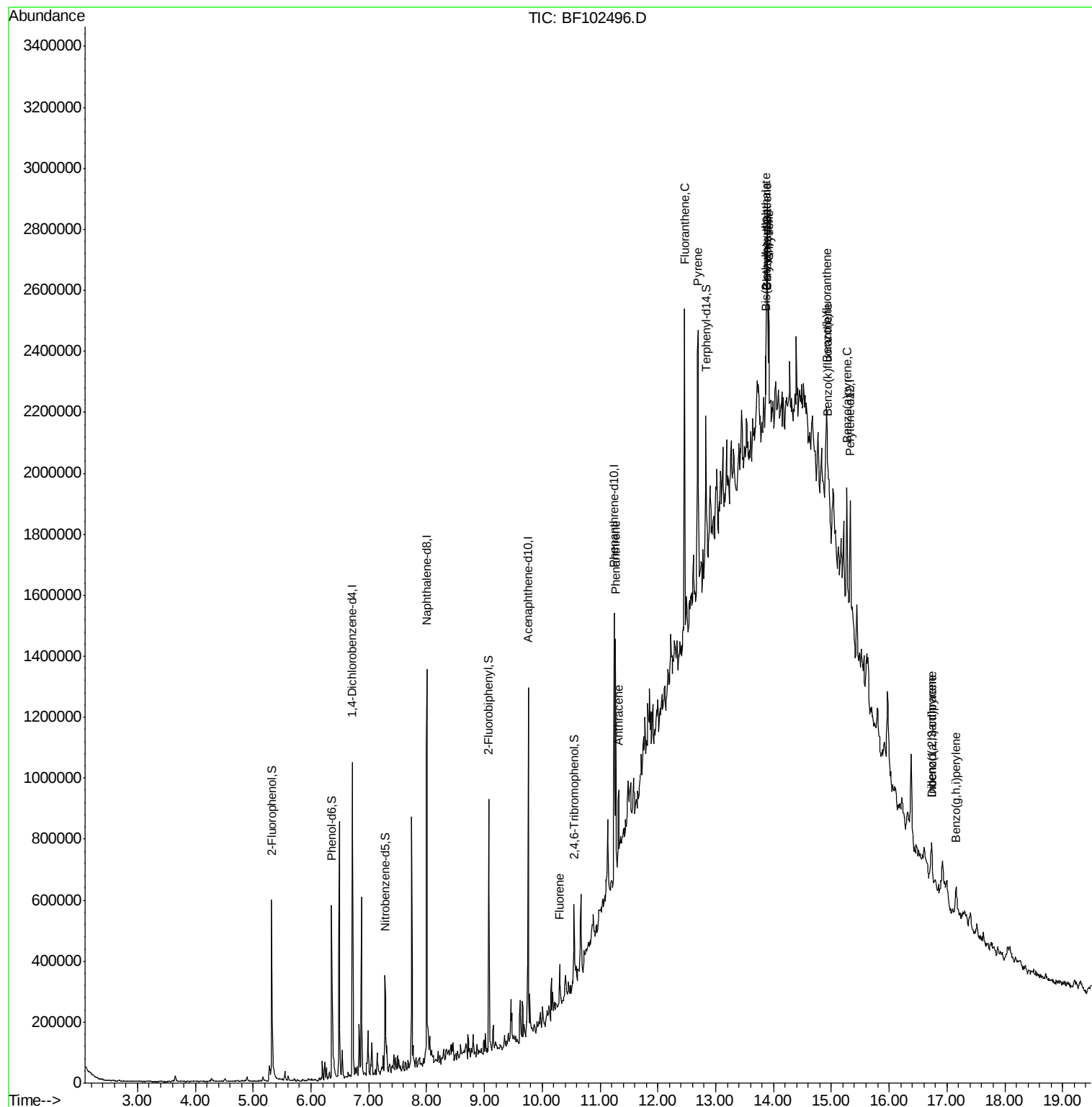
Data Path : U:\HPCHEM1\BNA F\DATA\BF012618\
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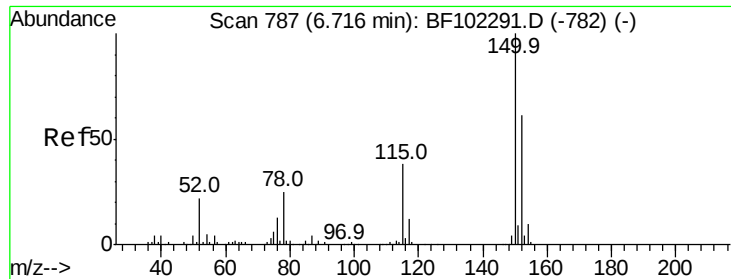
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#1

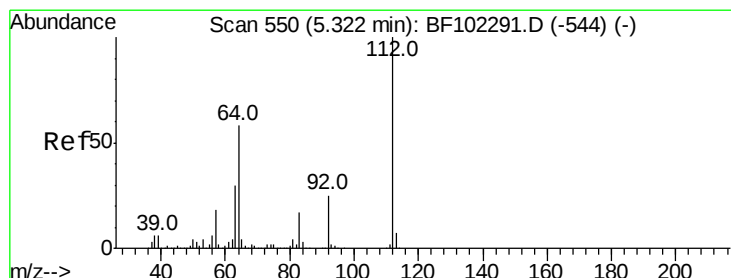
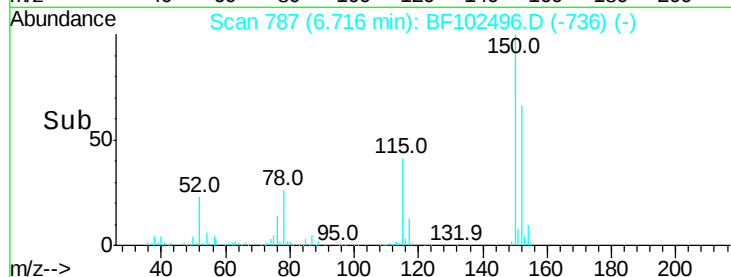
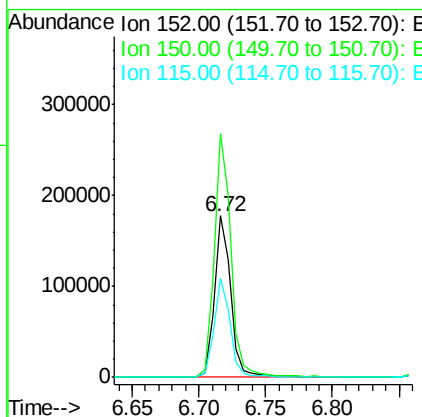
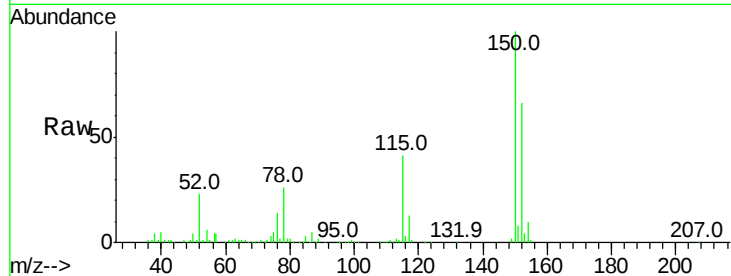
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF102496.D
Acq: 27 Jan 2018 5:13

Instrument :
BNA_F
ClientSampleId :
WC-11(0-5)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.1	124.6	186.8
115	61.4	50.1	75.1

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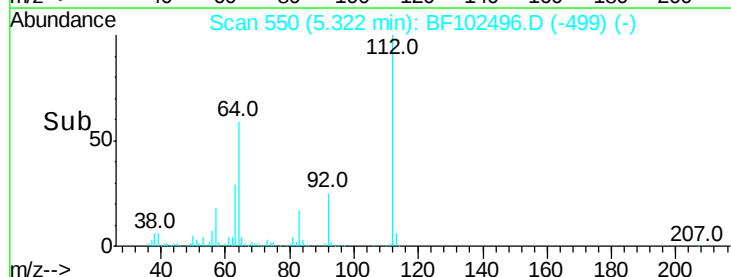
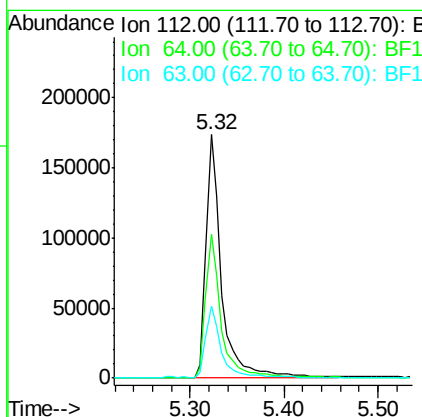
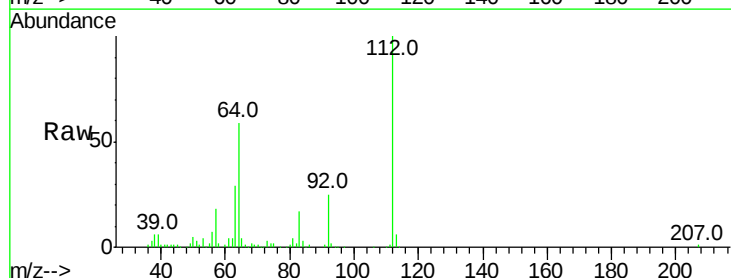
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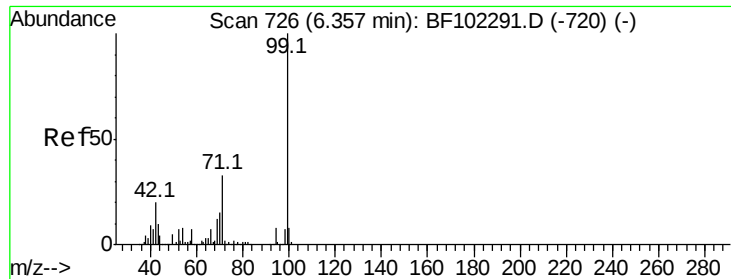


#5

2-Fluorophenol
Concen: 20.099 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.00 min
Lab File: BF102496.D
Acq: 27 Jan 2018 5:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.8	47.9	71.9
63	29.4	23.7	35.5





#7

Phenol-d6

Concen: 20.128 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF102496.D

Acq: 27 Jan 2018 5:13

Instrument :

BNA_F

ClientSampled :

WC-11(0-5)DL

Tot Ion: 99 Resp: 245772

Ion Ratio Lower Upper

99 100

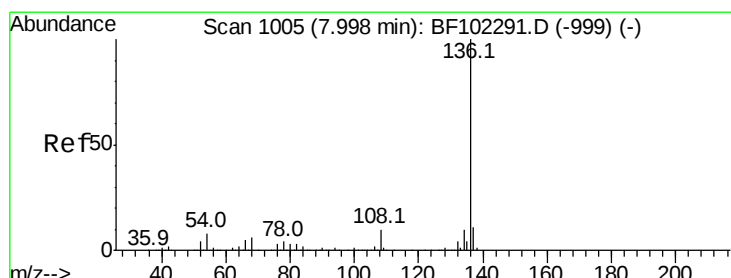
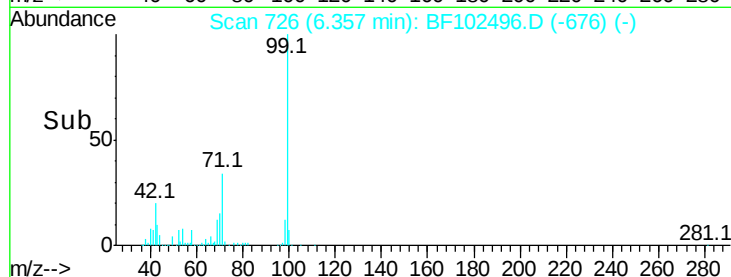
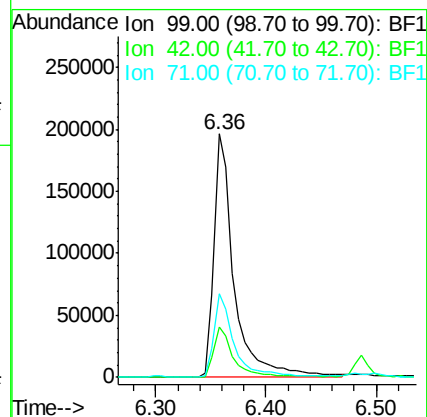
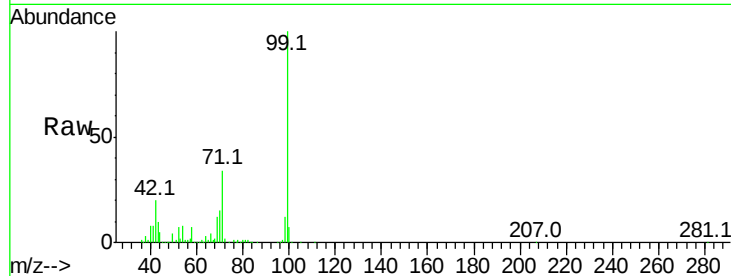
42 20.5 14.5 21.7

71 34.3 25.4 38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. 0.01 min

Lab File: BF102496.D

Acq: 27 Jan 2018 5:13

Tgt Ion: 136 Resp: 600999

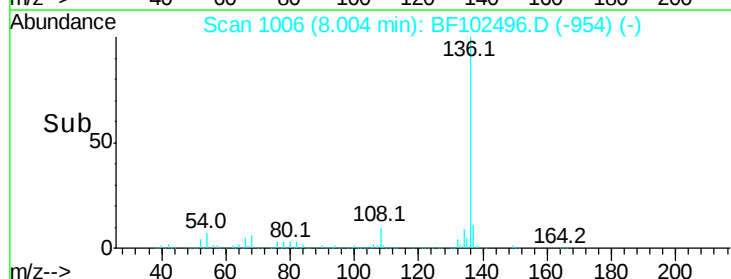
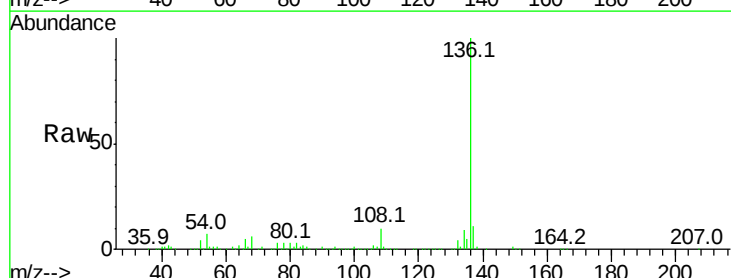
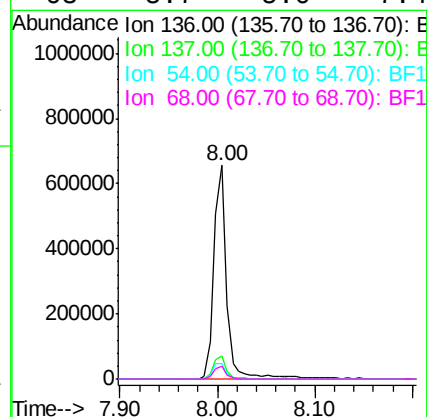
Ion Ratio Lower Upper

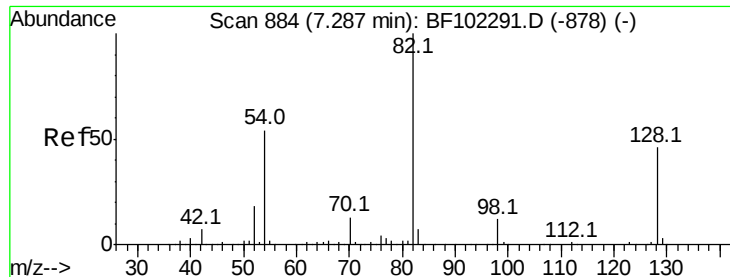
136 100

137 10.7 8.9 13.3

54 7.3 6.6 9.8

68 5.7 5.0 7.4





#23

Nitrobenzene-d5

Concen: 11.491 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF102496.D

Acq: 27 Jan 2018 5:13

Instrument :

BNA_F

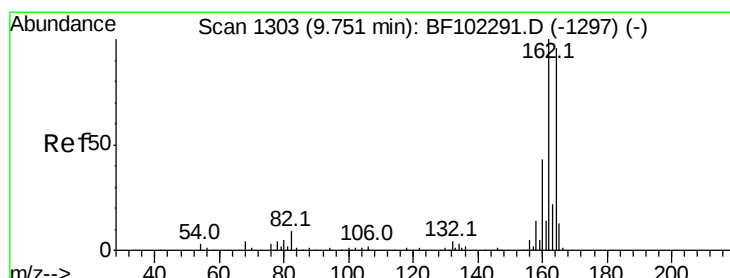
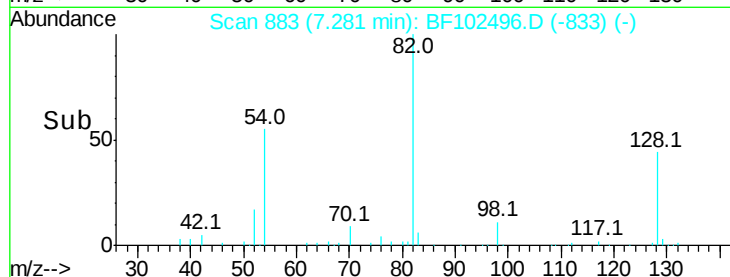
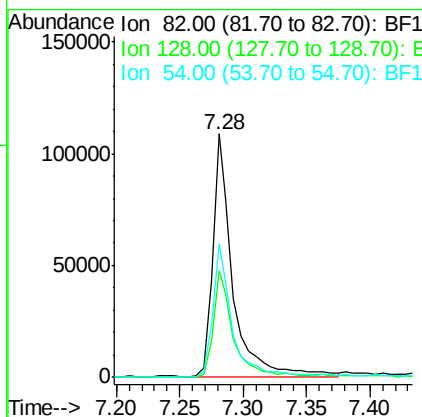
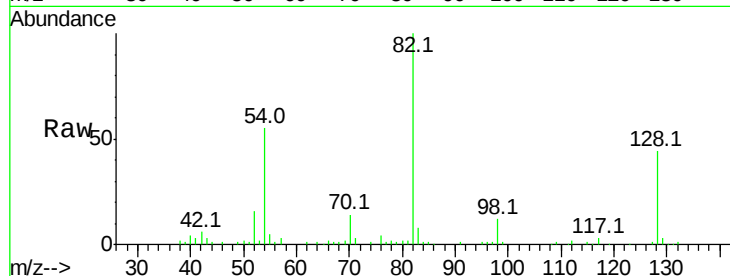
ClientSampled :

WC-11(0-5)DL

Tot Ion:	82	Resp:	120180
Ion Ratio	Lower	Upper	
82	100		
128	43.8	36.1	54.1
54	54.6	41.4	62.2

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#38

Acenaphthene-d10

Concen: 20.000 ng

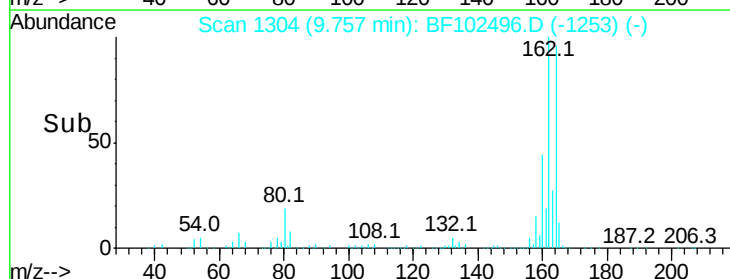
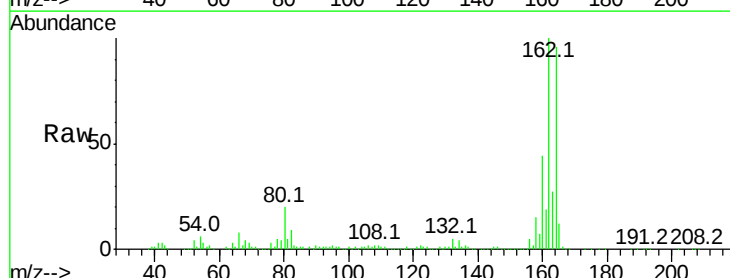
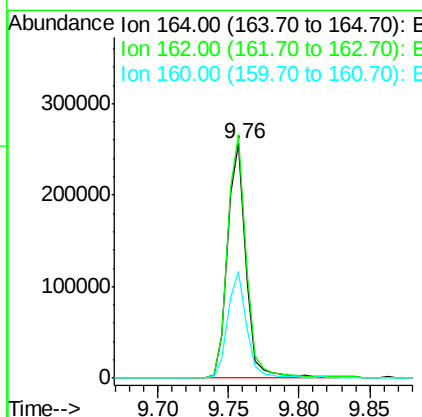
RT: 9.76 min Scan# 1304

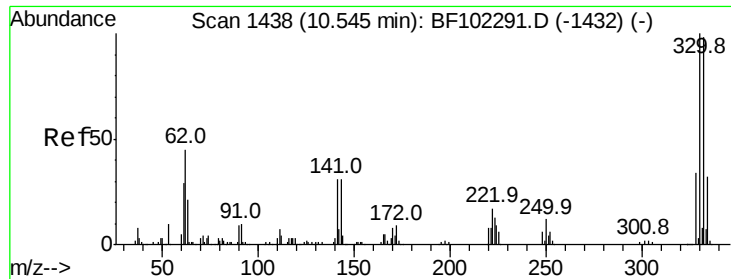
Delta R.T. -0.00 min

Lab File: BF102496.D

Acq: 27 Jan 2018 5:13

Tgt Ion:	164	Resp:	235165
Ion Ratio	Lower	Upper	
164	100		
162	104.0	86.1	129.1
160	45.3	38.3	57.5





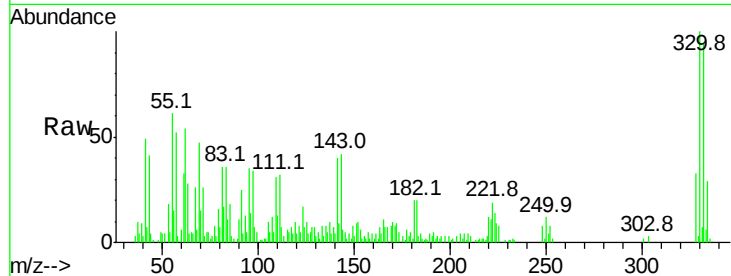
#41
 2,4,6-Tribromophenol
 Concen: 13.394 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. 0.01 min
 Lab File: BF102496.D
 Acq: 27 Jan 2018 5:13

Instrument :
 BNA_F
 ClientSampleId :
 WC-11(0-5)DL

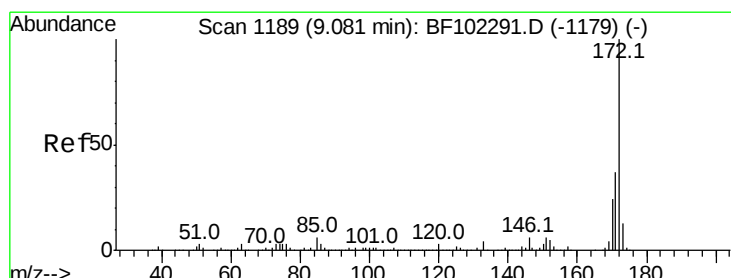
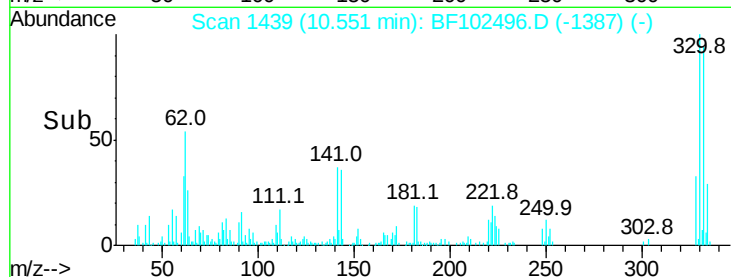
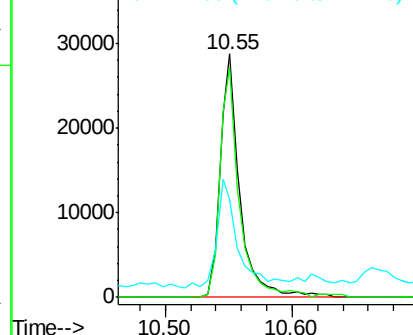
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	93.5	77.0	115.6	
141	49.0	29.9	44.9	

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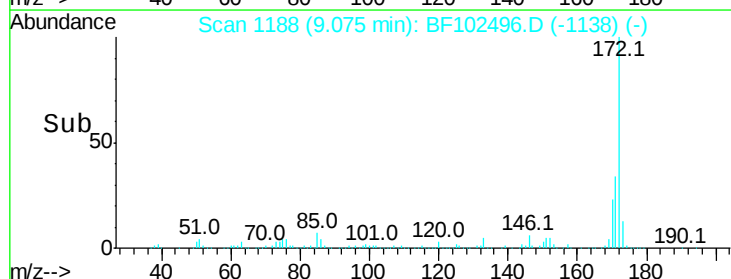
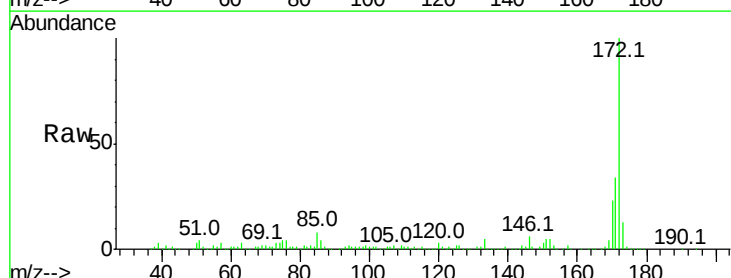
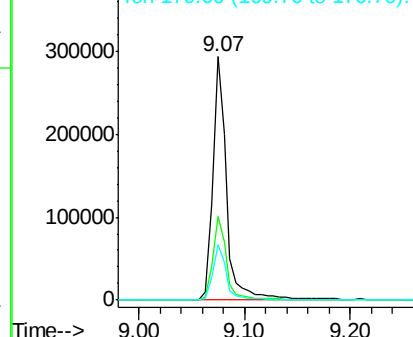
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

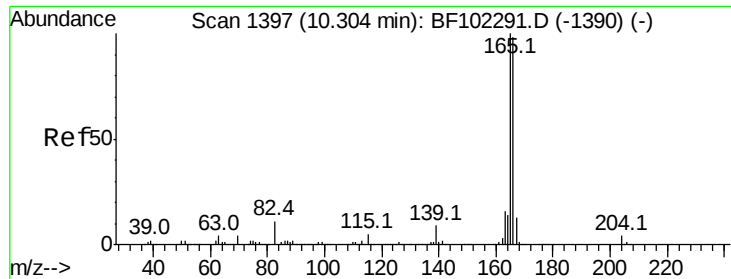


#44
 2-Fluorobiphenyl
 Concen: 16.815 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF102496.D
 Acq: 27 Jan 2018 5:13

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.3	29.7	44.5	
170	22.9	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





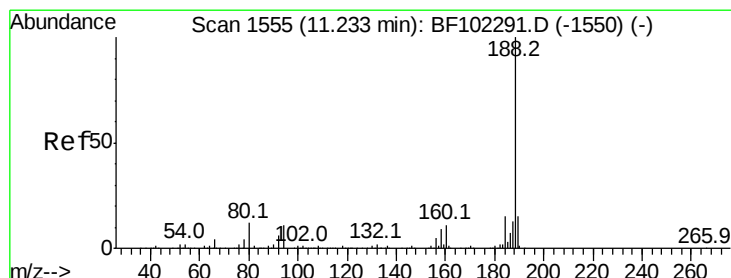
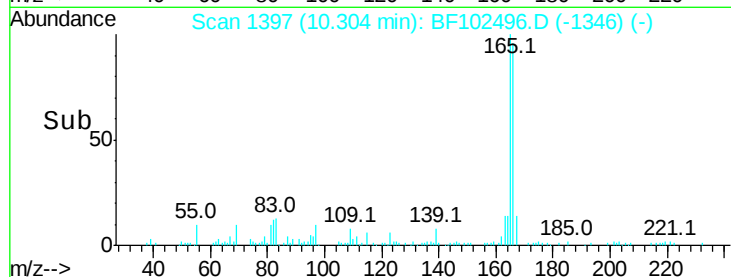
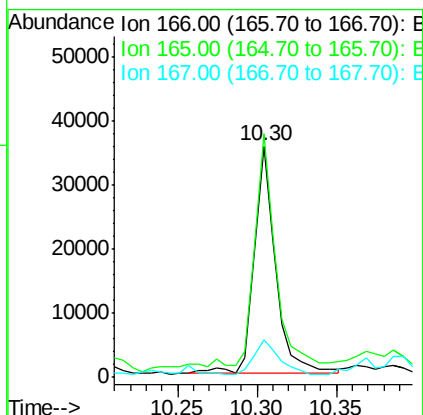
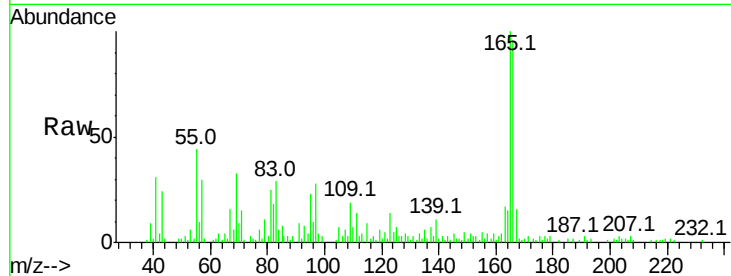
#57
Fluorene
 Concen: 2.099 ng
 RT: 10.30 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: BF102496.D
 Acq: 27 Jan 2018 5:13

Instrument :
 BNA_F
 ClientSampleID :
 WC-11(0-5)DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	105.4	79.8	119.8
167	16.4	10.6	16.0

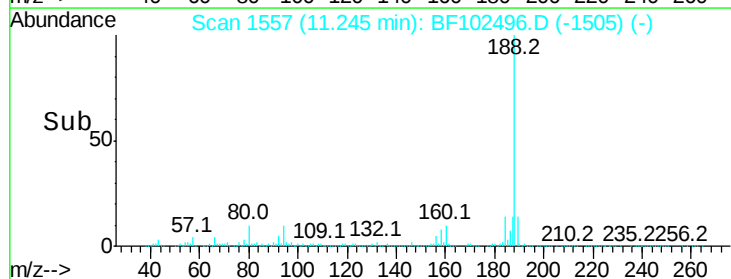
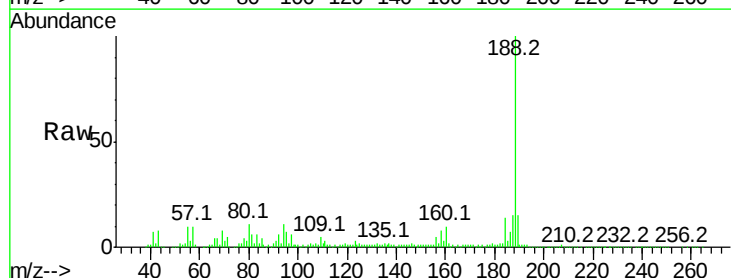
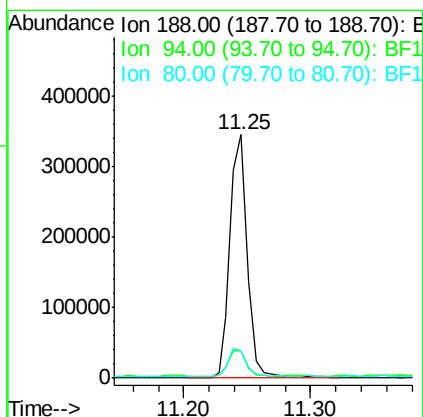
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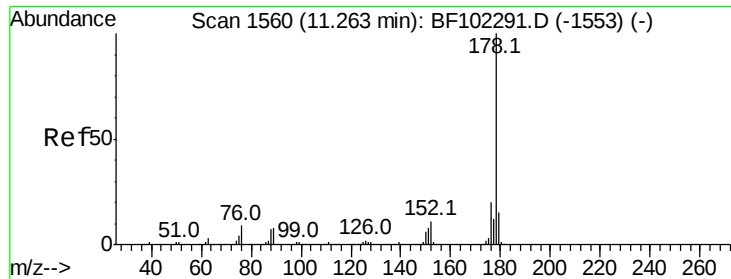
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1557
 Delta R.T. 0.01 min
 Lab File: BF102496.D
 Acq: 27 Jan 2018 5:13

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.2	8.5	12.7
80	11.1	9.2	13.8





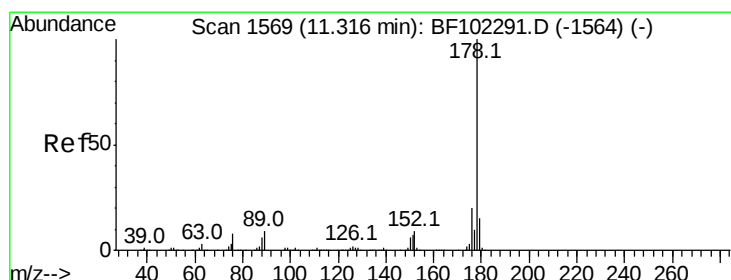
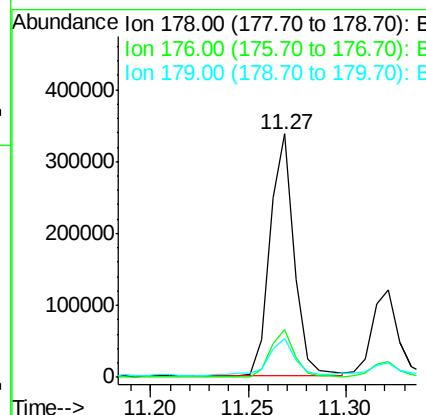
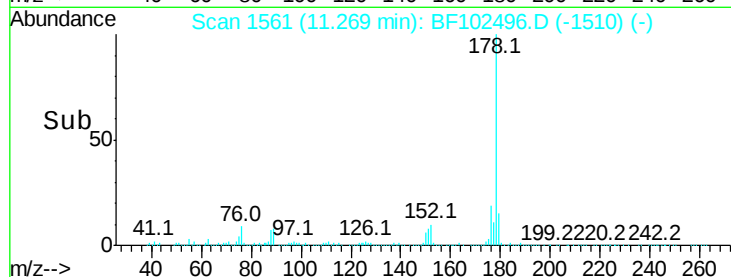
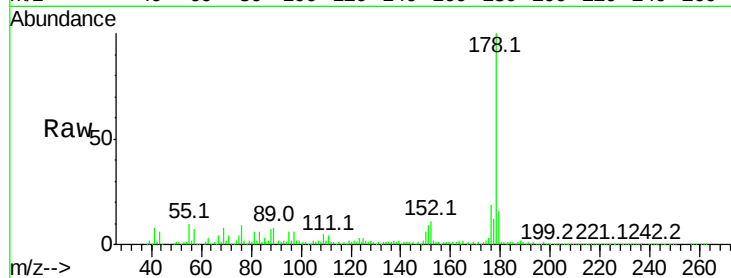
#70
Phenanthrene
Concen: 15.170 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.00 min
Lab File: BF102496.D
Acq: 27 Jan 2018 5:13

Instrument :
BNA_F
ClientSampleId :
WC-11(0-5)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	16.0	13.0	19.6

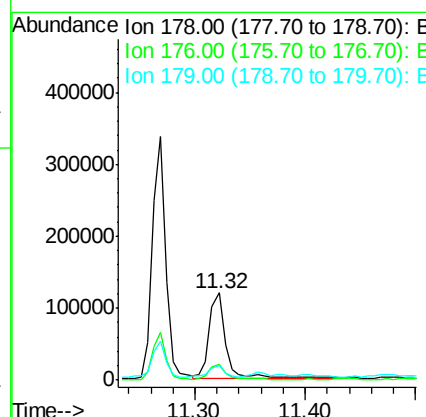
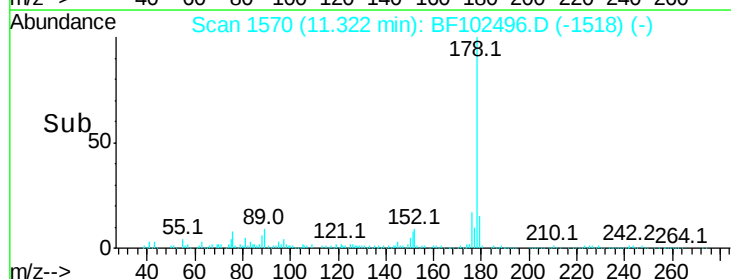
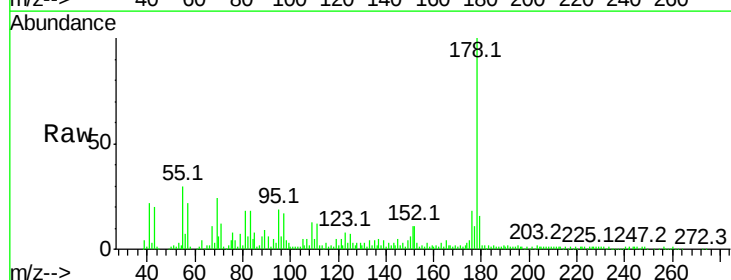
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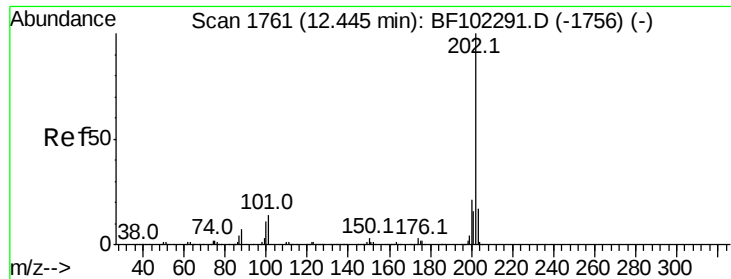
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#71
Anthracene
Concen: 6.269 ng
RT: 11.32 min Scan# 1570
Delta R.T. 0.01 min
Lab File: BF102496.D
Acq: 27 Jan 2018 5:13

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.4	23.2
179	16.2	12.6	19.0





#74

Fluoranthene

Concen: 25.155 ng

RT: 12.46 min Scan# 1764

Delta R.T. 0.01 min

Lab File: BF102496.D

Acq: 27 Jan 2018 5:13

Instrument :

BNA_F

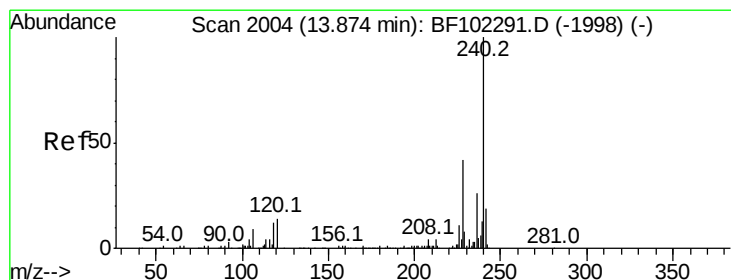
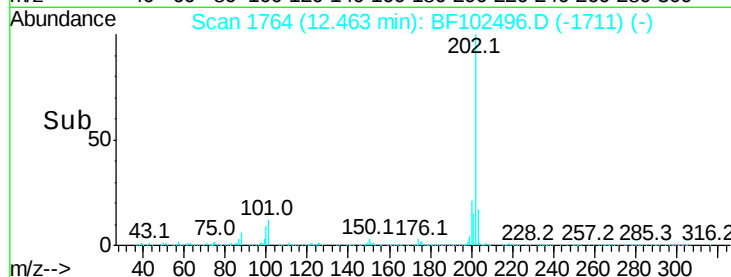
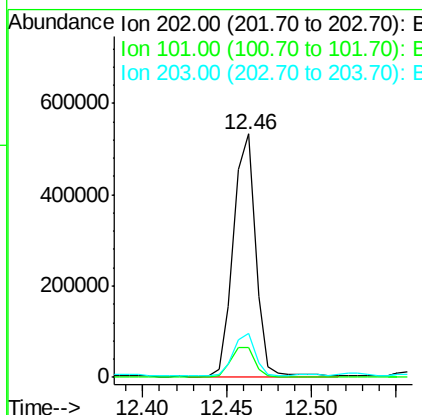
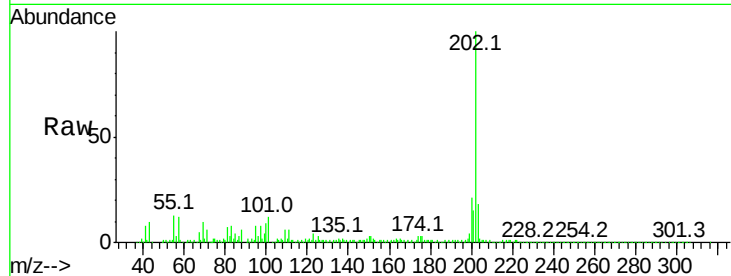
ClientSampleId :

WC-11(0-5)DL

Tot Ion:	202	Resp:	486683
Ion Ratio	Lower	Upper	
202	100		
101	12.3	0.0	34.1
203	17.9	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

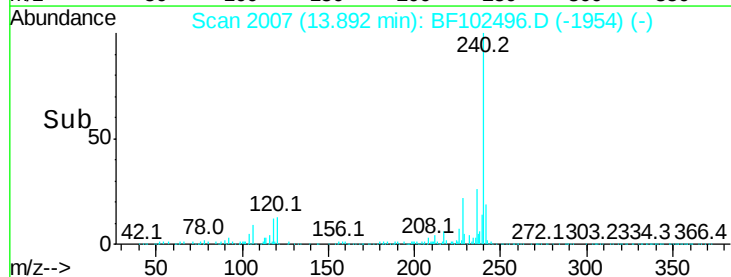
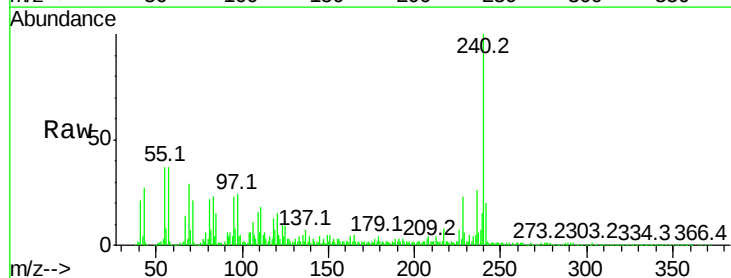
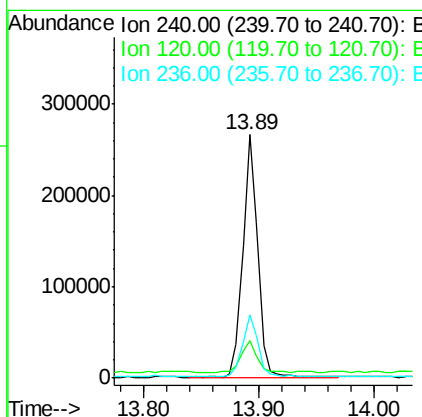
RT: 13.89 min Scan# 2007

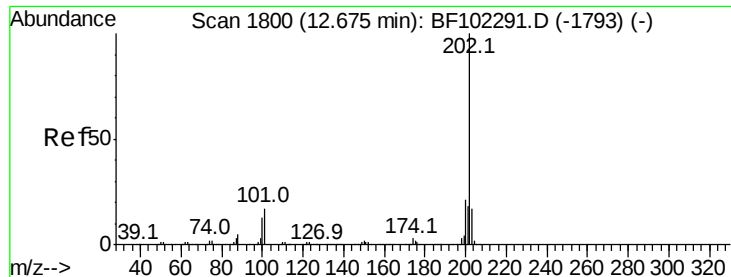
Delta R.T. 0.01 min

Lab File: BF102496.D

Acq: 27 Jan 2018 5:13

Tgt Ion:	240	Resp:	239283
Ion Ratio	Lower	Upper	
240	100		
120	15.3	9.5	14.3#
236	26.1	20.7	31.1





#77

Pvrene

Concen: 23.271 ng

RT: 12.69 min Scan# 1803

Delta R.T. 0.01 min

Lab File: BF102496.D

Acq: 27 Jan 2018 5:13

Instrument :

BNA_F

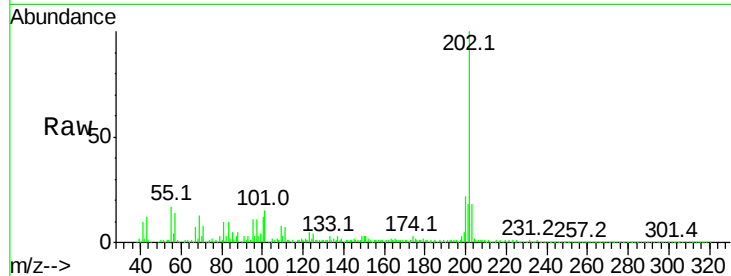
ClientSampleId :

WC-11(0-5)DL

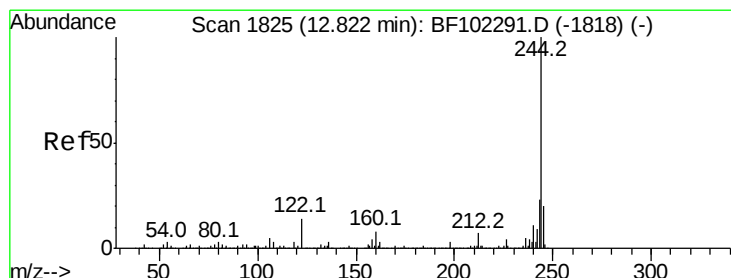
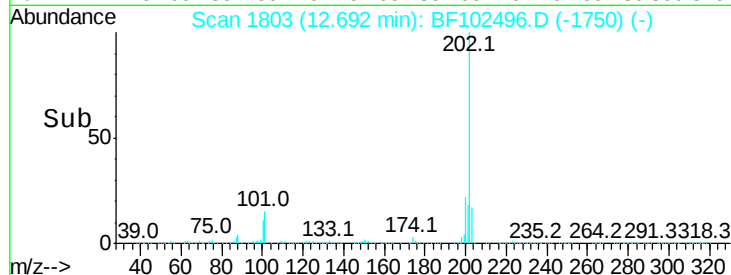
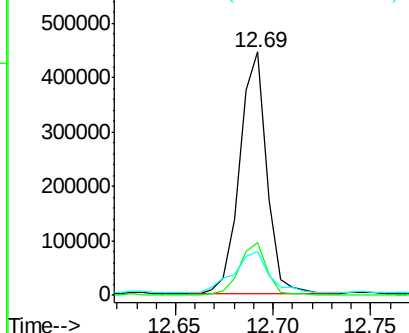
Tot Ion:	202	Resp:	430533
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.4	26.2
203	18.1	14.3	21.5

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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: 16.072 ng

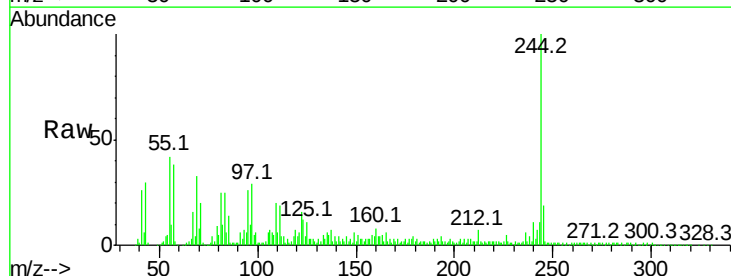
RT: 12.83 min Scan# 1826

Delta R.T. 0.00 min

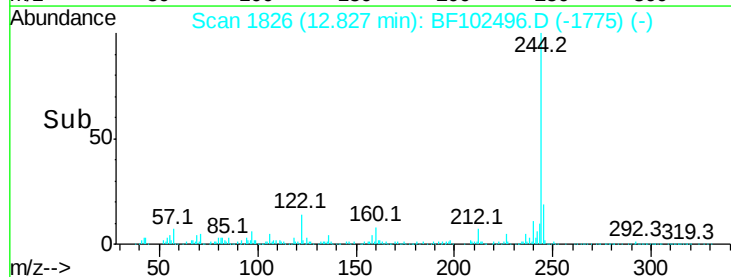
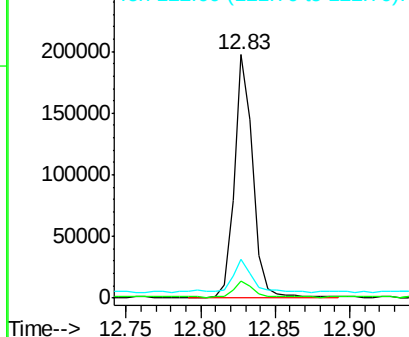
Lab File: BF102496.D

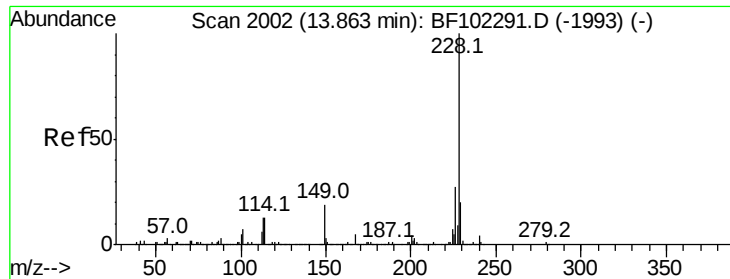
Acq: 27 Jan 2018 5:13

Tgt Ion:	244	Resp:	170587
Ion Ratio	Lower	Upper	
244	100		
212	7.2	5.4	8.0
122	15.7	11.0	16.4



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





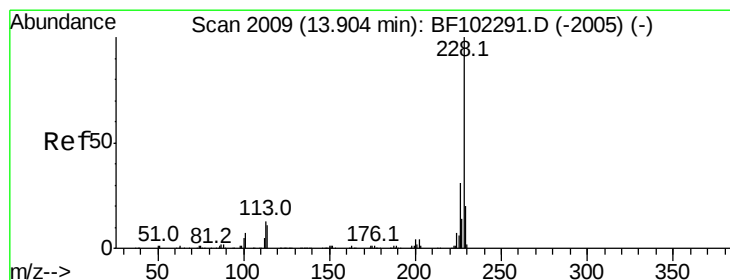
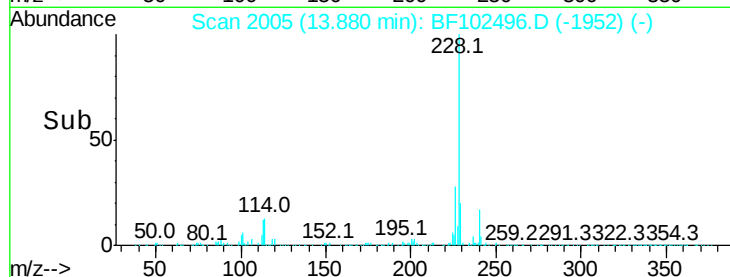
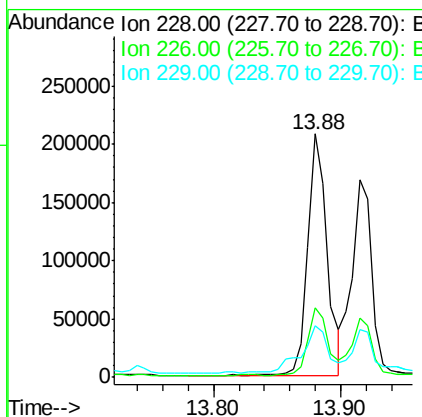
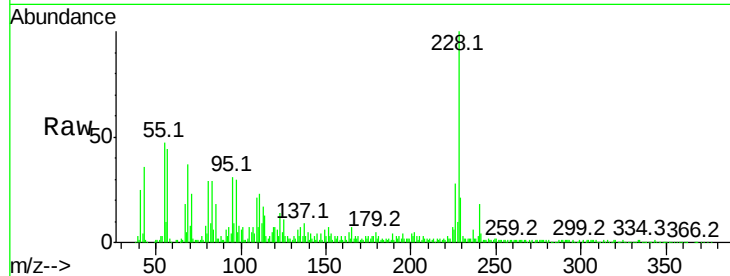
#80
Benzo(a)anthracene
Concen: 14.994 ng
RT: 13.88 min Scan# 2005
Delta R.T. 0.01 min
Lab File: BF102496.D
Acq: 27 Jan 2018 5:13

Instrument :
BNA_F
ClientSampleID :
WC-11(0-5)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	33.8
229	21.3	15.8	23.6

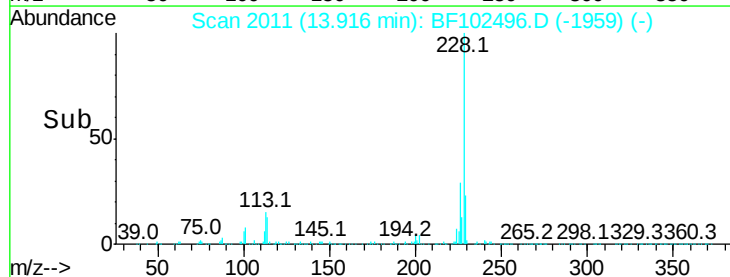
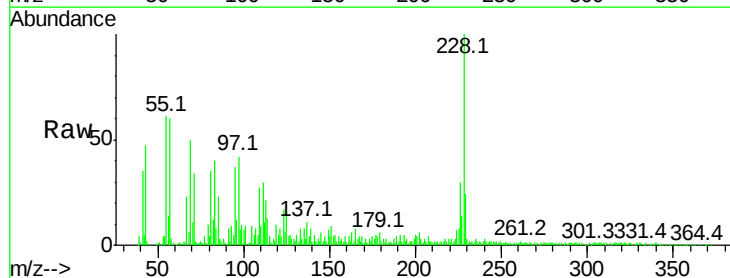
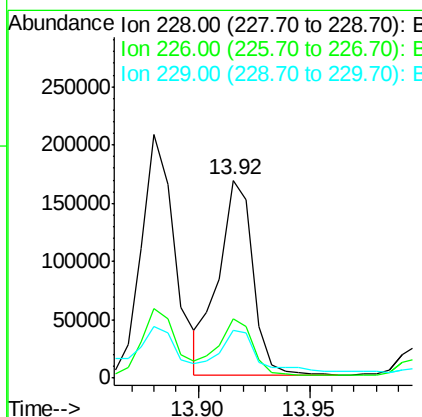
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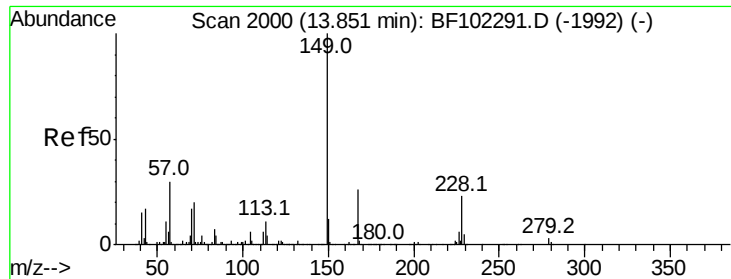
Sohil
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#82
Chrysene
Concen: 12.175 ng m
RT: 13.92 min Scan# 2011
Delta R.T. 0.01 min
Lab File: BF102496.D
Acq: 27 Jan 2018 5:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	24.4	16.2	24.4





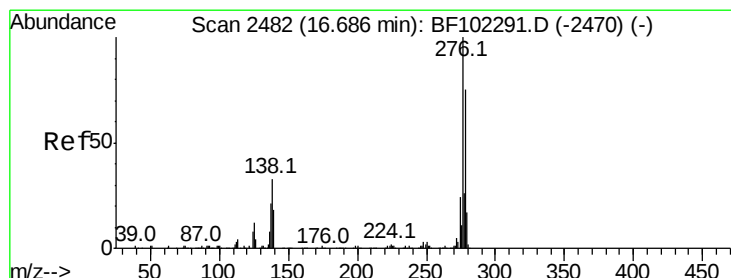
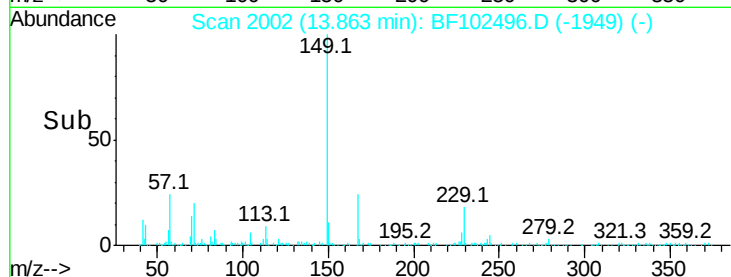
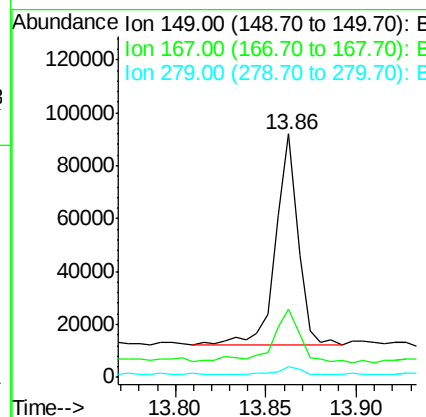
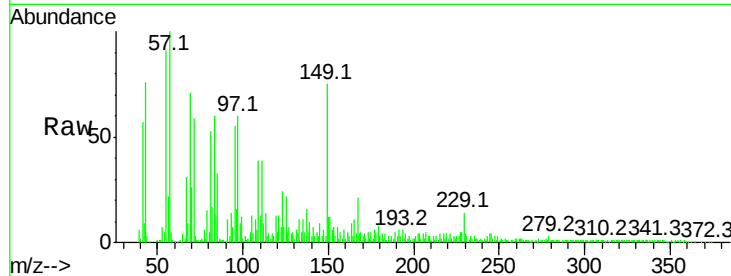
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 5.504 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. 0.01 min
 Lab File: BF102496.D
 Acq: 27 Jan 2018 5:13

Instrument :
 BNA_F
 ClientSampleId :
 WC-11(0-5)DL

Tot Ion	Ratio	Lower	Upper
149	100		
167	28.1	21.3	31.9
279	4.1	3.0	4.4

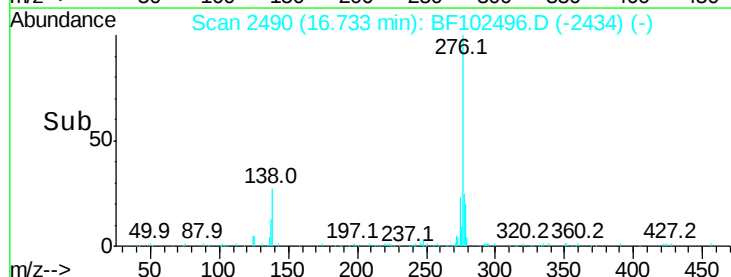
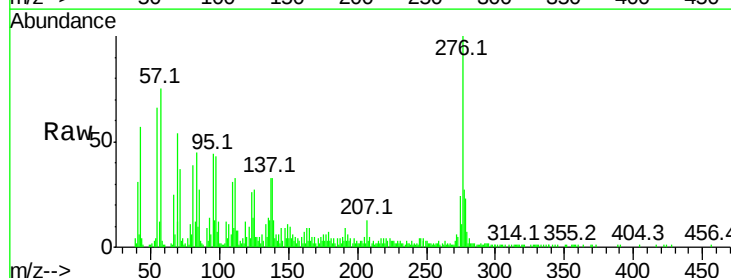
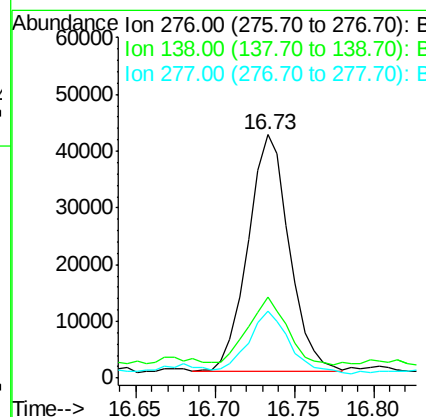
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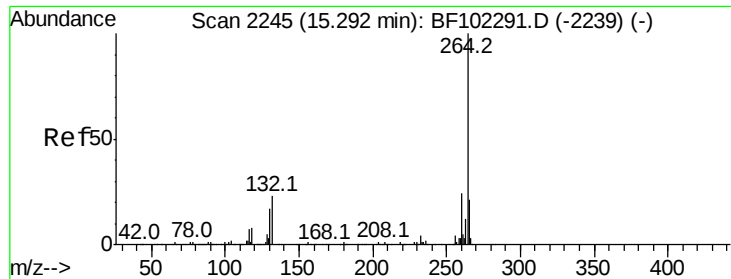
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.121 ng
 RT: 16.73 min Scan# 2490
 Delta R.T. 0.03 min
 Lab File: BF102496.D
 Acq: 27 Jan 2018 5:13

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.8	25.0	37.6
277	26.0	20.1	30.1





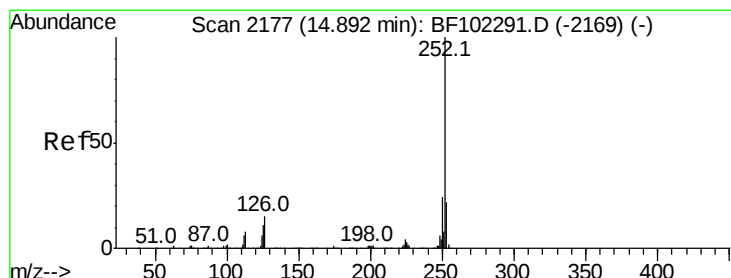
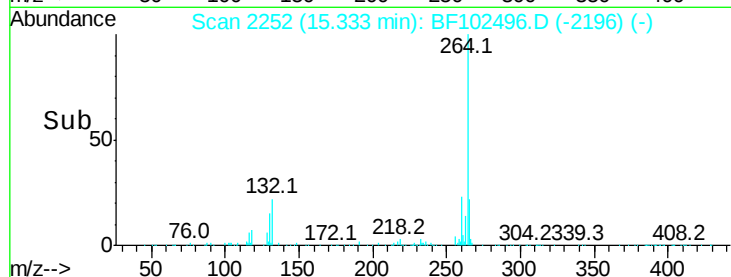
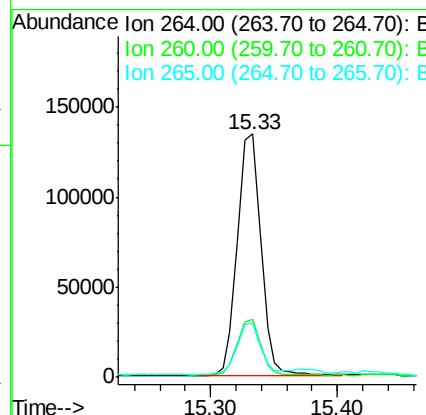
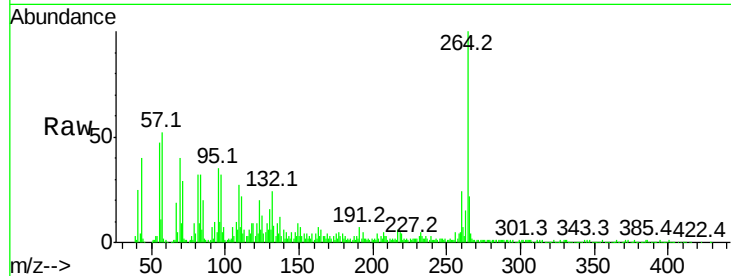
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.03 min
Lab File: BF102496.D
Acq: 27 Jan 2018 5:13

Instrument :
BNA_F
ClientSampleId :
WC-11(0-5)DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.3	17.5	26.3

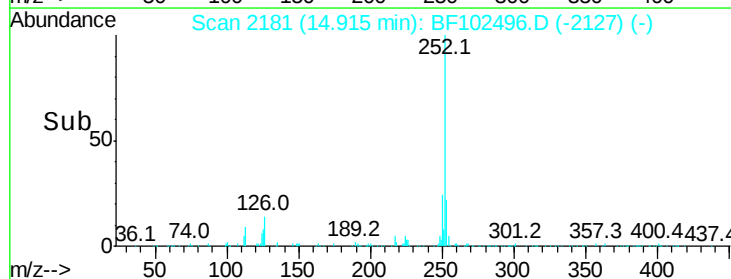
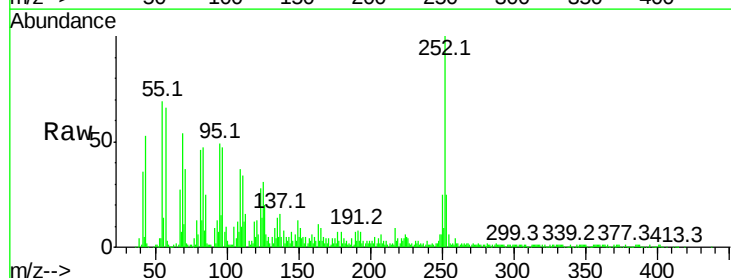
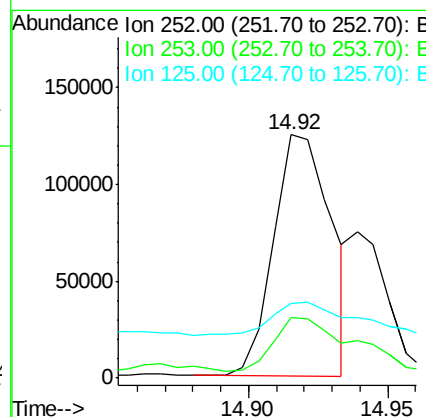
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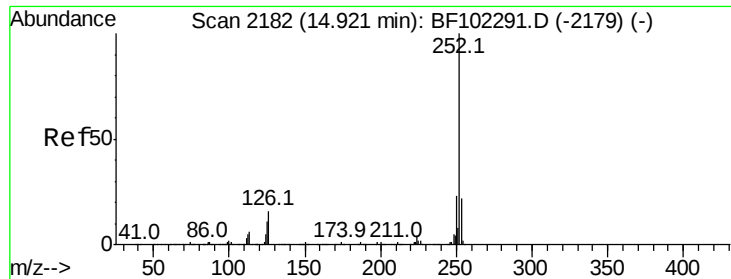
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#87
Benzo(b)fluoranthene
Concen: 16.019 ng m
RT: 14.92 min Scan# 2181
Delta R.T. 0.02 min
Lab File: BF102496.D
Acq: 27 Jan 2018 5:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.0	25.6
125	30.6	9.0	13.6





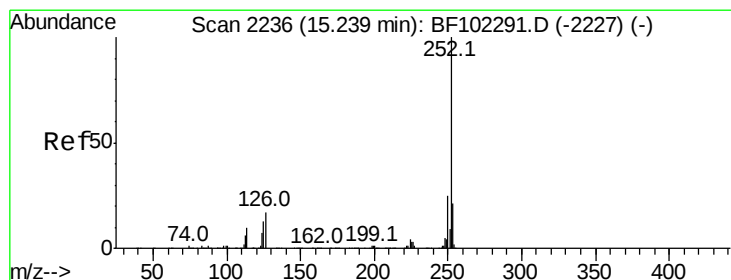
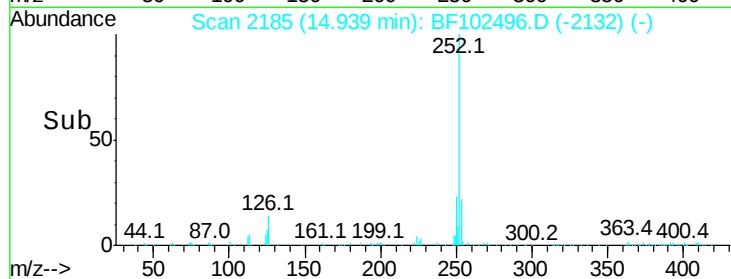
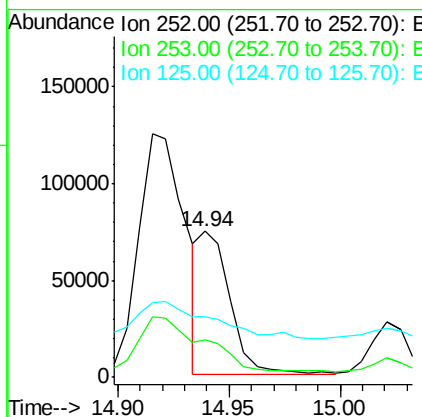
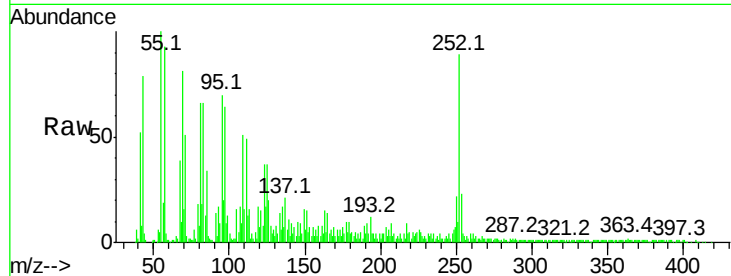
#88
Benzo(k)fluoranthene
Concen: 6.767 ng m
RT: 14.94 min Scan# 2185
Delta R.T. 0.01 min
Lab File: BF102496.D
Acq: 27 Jan 2018 5:13

Instrument :
BNA_F
ClientSampleId :
WC-11(0-5)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.9	26.9
125	41.5	10.2	15.2

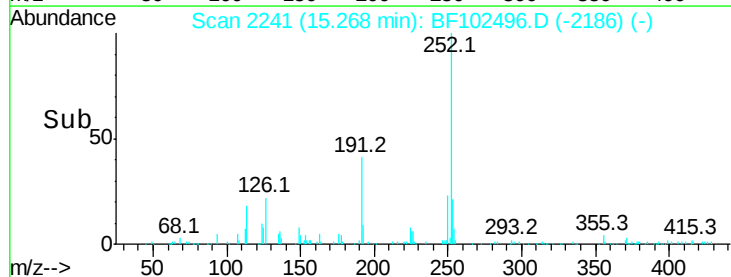
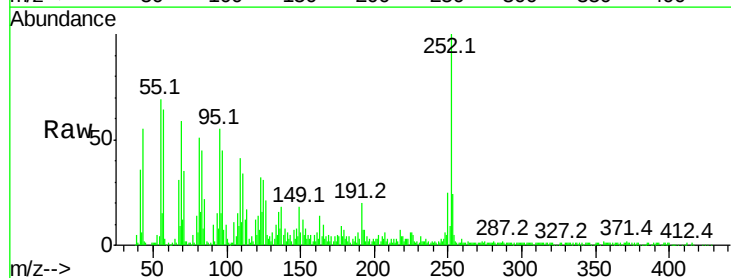
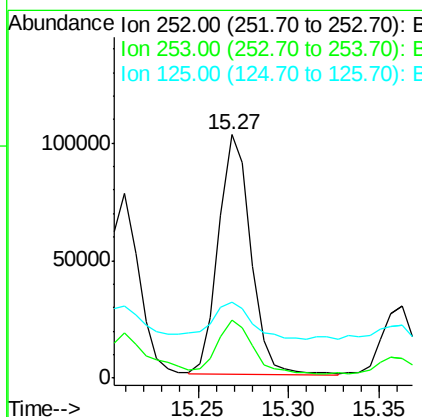
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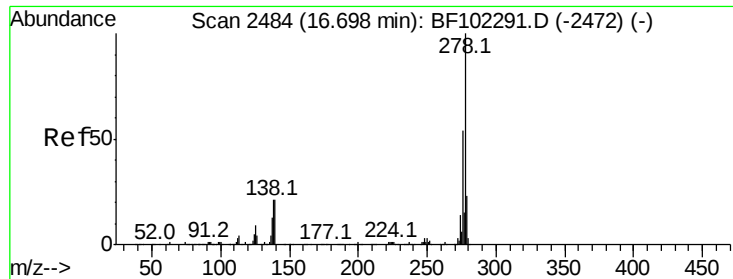
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#89
Benzo(a)pyrene
Concen: 12.535 ng
RT: 15.27 min Scan# 2241
Delta R.T. 0.02 min
Lab File: BF102496.D
Acq: 27 Jan 2018 5:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.1	25.7
125	31.3	9.8	14.6





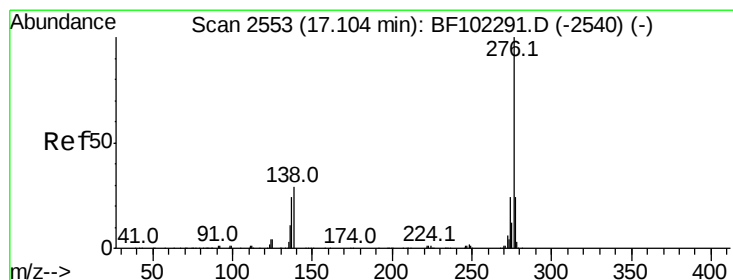
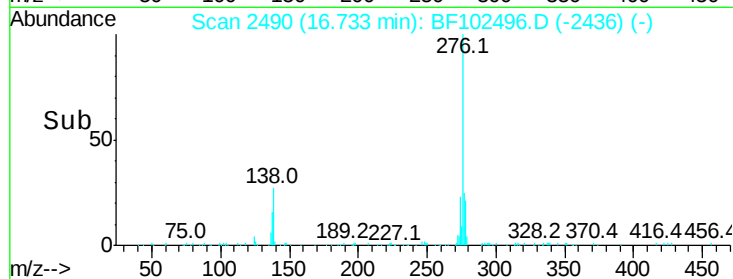
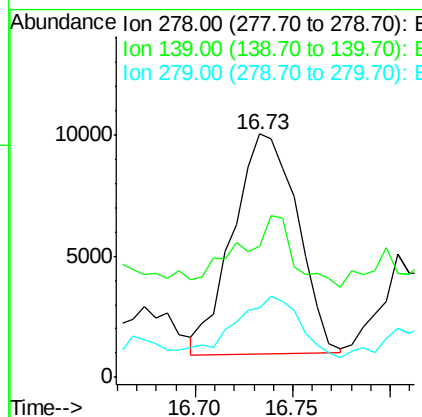
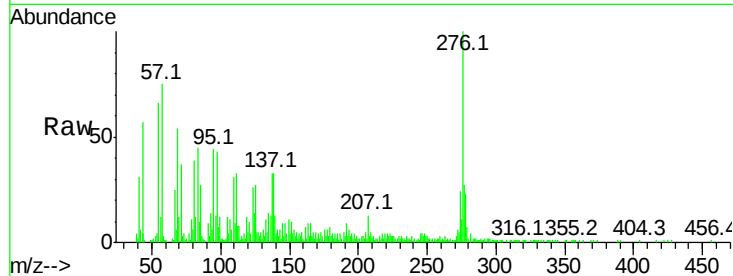
#90
Dibenzo(a,h)anthracene
Concen: 2.531 ng
RT: 16.73 min Scan# 2490
Delta R.T. 0.02 min
Lab File: BF102496.D
Acq: 27 Jan 2018 5:13

Instrument :
BNA_F
ClientSampleId :
WC-11(0-5)DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	53.7	15.9	23.9#
279	28.5	19.0	28.4#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 9.231 ng
RT: 17.16 min Scan# 2562
Delta R.T. 0.03 min
Lab File: BF102496.D
Acq: 27 Jan 2018 5:13

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.0	17.9	26.9
138	31.4	21.8	32.8

