

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012818\
 Data File : BF102573.D
 Acq On : 28 Jan 2018 22:24
 Operator : SJ/JU
 Sample : J1257-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-20(5-15)

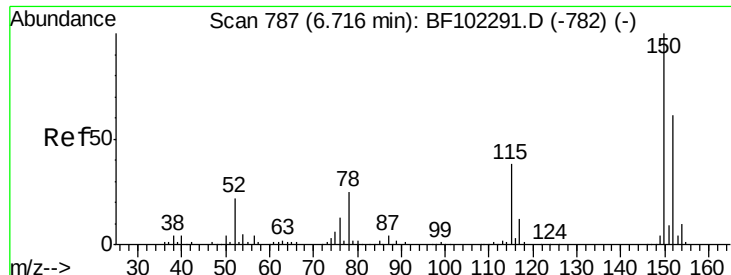
Manual Integrations
 APPROVED

Sohil
 1/29/2018 5:48:34 PM

Quant Time: Jan 29 11:46:10 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	6.72	152	151807	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	604321	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	238496	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	304763	20.00	ng	0.00
75) Chrysene-d12	13.89	240	199264	20.00	ng	0.01
86) Perylene-d12	15.34	264	174680	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1064954	106.37	ng	0.00
7) Phenol-d6	6.37	99	1276633	105.77	ng	0.00
23) Nitrobenzene-d5	7.29	82	779156	74.09	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	180964	76.58	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1182177	72.88	ng	0.00
78) Terphenyl-d14	12.83	244	637702	72.15	ng	0.01
Target Compounds						
10) Phenol	6.37	94	55938	4.245	ng	85
31) Naphthalene	8.02	128	73796	2.446	ng	# 94
37) 2-Methylnaphthalene	8.71	142	110572	5.503	ng	99
49) Dimethylphthalate	9.47	163	182878	9.277	ng	99
70) Phenanthrene	11.26	178	270567	15.235	ng	98
74) Fluoranthene	12.46	202	304780	16.829	ng	98
77) Pyrene	12.69	202	293393	19.044	ng	99
80) Benzo(a)anthracene	13.89	228	124712	10.166	ng	# 92
82) Chrysene	13.92	228	124785	10.016	ng	# 94
83) Bis(2-ethylhexyl)phthalate	13.86	149	115801	11.239	ng	93
85) Indeno(1,2,3-cd)pyrene	16.74	276	51898	5.044	ng	94
87) Benzo(b)fluoranthene	14.92	252	129408m	11.430	ng	
88) Benzo(k)fluoranthene	14.94	252	46264m	4.325	ng	
89) Benzo(a)pyrene	15.28	252	91937	9.004	ng	# 46
91) Benzo(a,h,i)perylene	17.17	276	49762	6.093	ng	# 82

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



#1

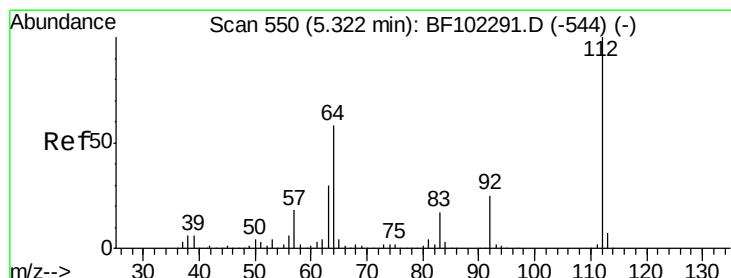
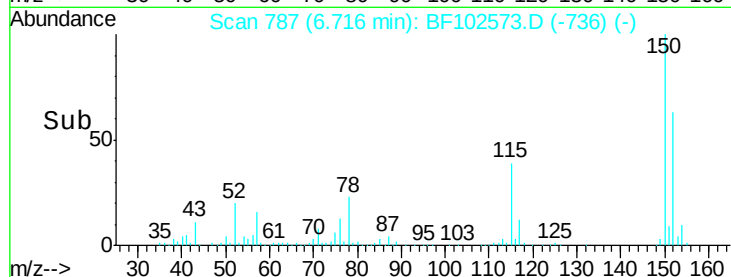
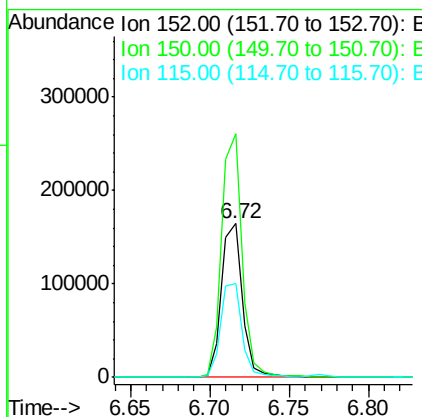
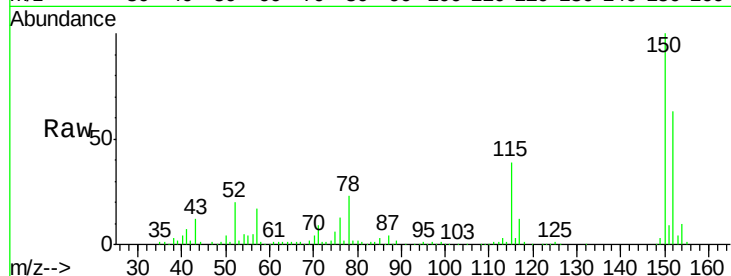
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF102573.D
Acq: 28 Jan 2018 22:24

Instrument :
BNA_F
ClientSampleId :
WC-20(5-15)

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	124.6	186.8
115	61.2	50.1	75.1

Manual Integrations
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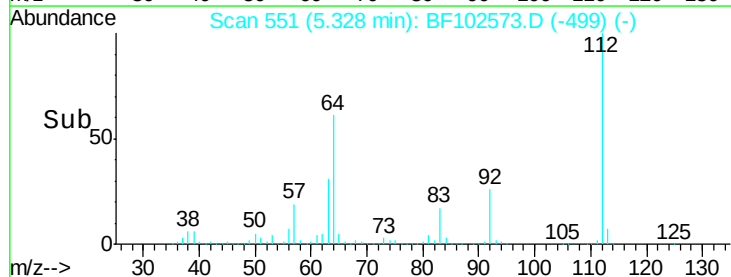
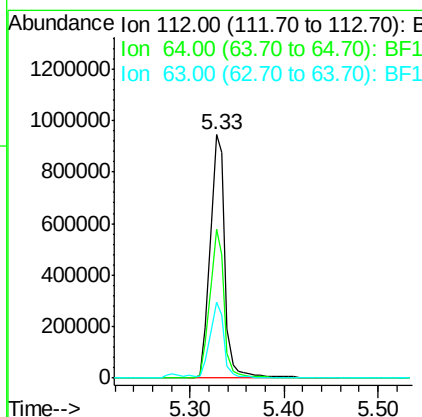
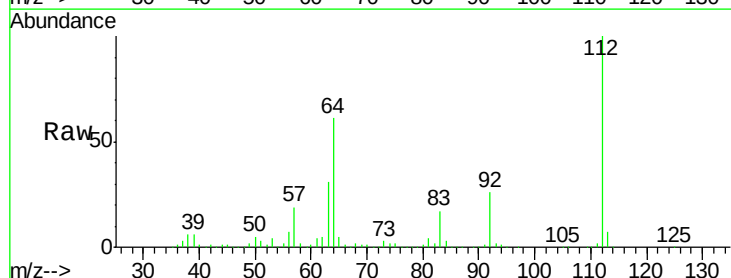
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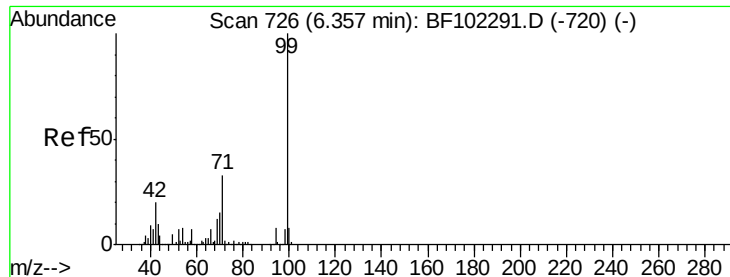


#5

2-Fluorophenol
Concen: 106.368 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102573.D
Acq: 28 Jan 2018 22:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.4	47.9	71.9
63	31.1	23.7	35.5





#7

Phenol-d6

Concen: 105.767 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.01 min

Lab File: BF102573.D

Acq: 28 Jan 2018 22:24

Instrument :

BNA_F

ClientSampled :

WC-20(5-15)

Tot Ion: 99 Resp: 1276633

Ion Ratio Lower Upper

99 100

42 18.7 14.5 21.7

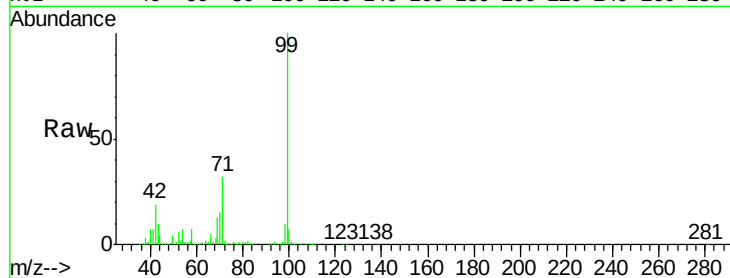
71 31.6 25.4 38.0

Manual Integrations

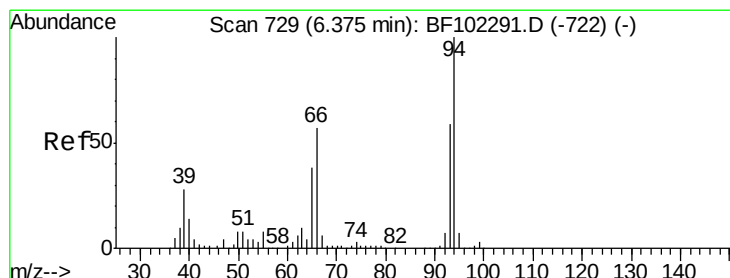
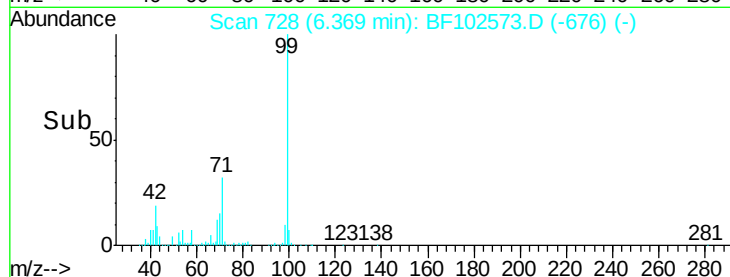
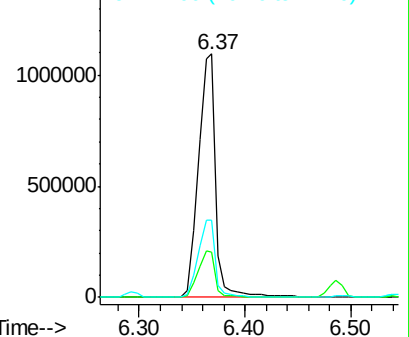
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Abundance Ion 99.00 (98.70 to 99.70): BF1
1500000
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.245 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF102573.D

Acq: 28 Jan 2018 22:24

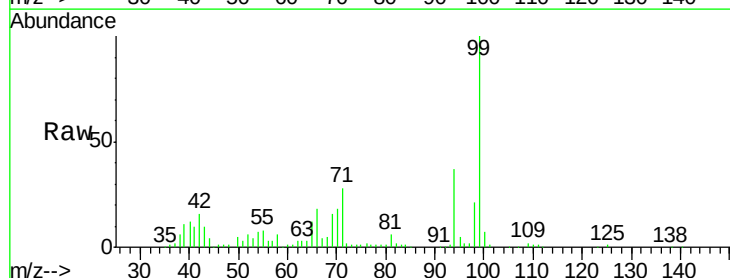
Tgt Ion: 94 Resp: 55938

Ion Ratio Lower Upper

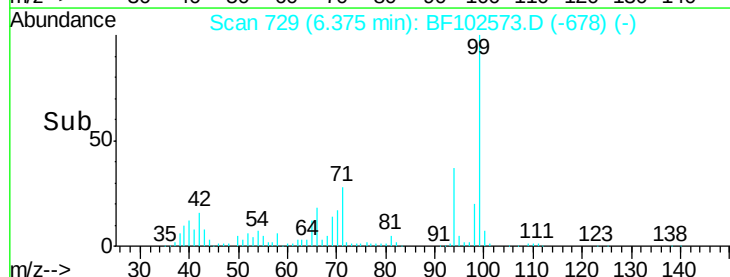
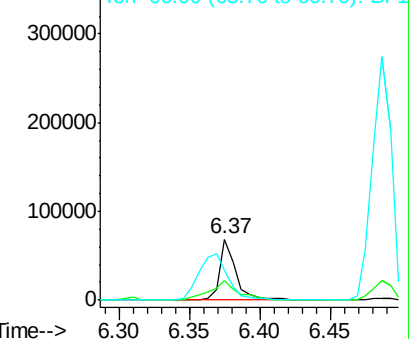
94 100

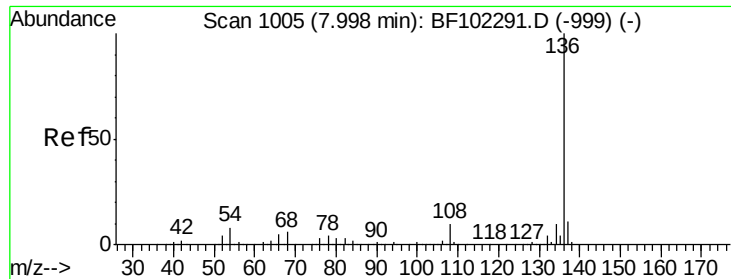
65 32.2 7.9 47.9

66 48.0 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
300000
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





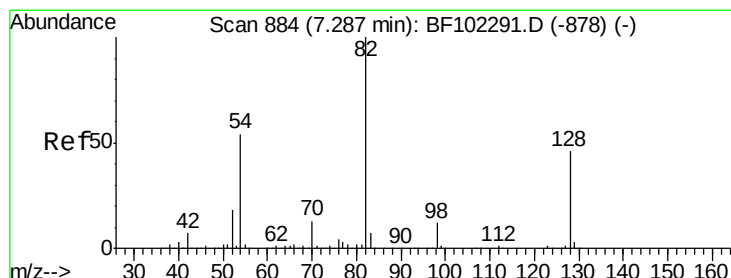
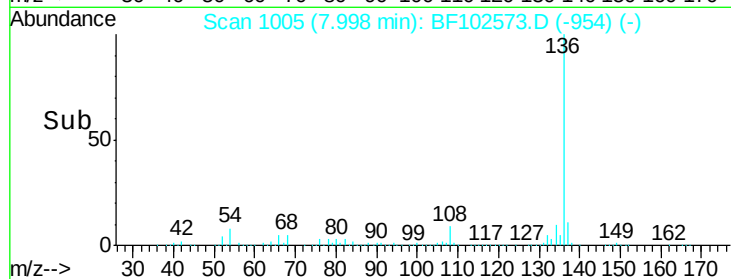
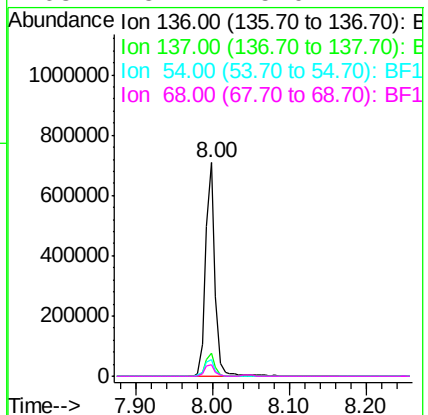
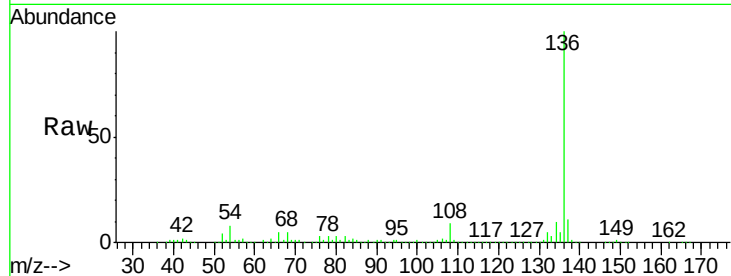
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: BF102573.D
Acq: 28 Jan 2018 22:24

Instrument :
BNA_F
ClientSampled :
WC-20(5-15)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		604321		
137	11.1	8.9	13.3		
54	8.1	6.6	9.8		
68	5.4	5.0	7.4		

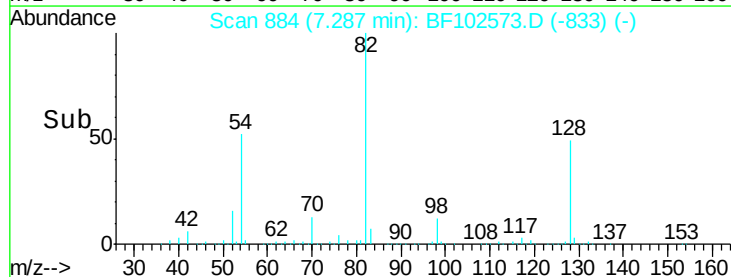
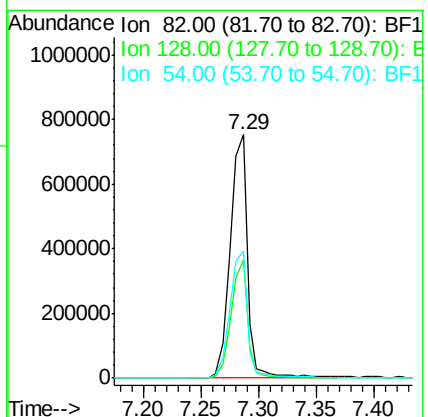
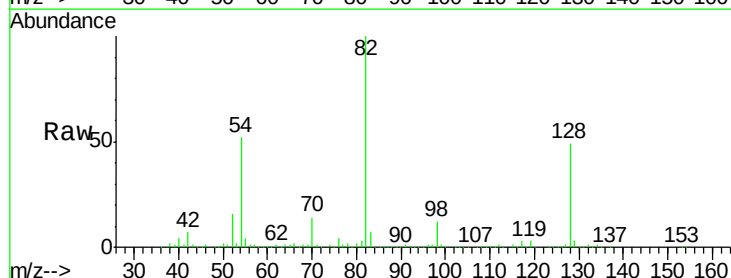
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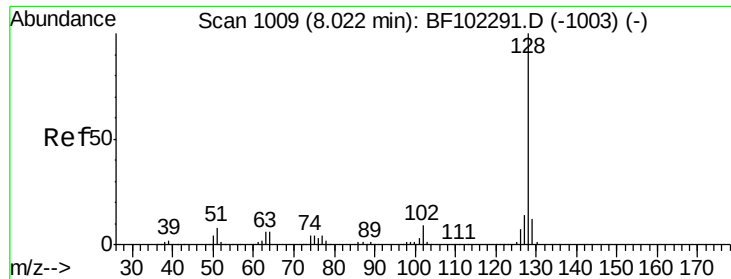
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#23
Nitrobenzene-d5
Concen: 74.093 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.00 min
Lab File: BF102573.D
Acq: 28 Jan 2018 22:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		779156		
128	48.8	36.1	54.1		
54	52.1	41.4	62.2		





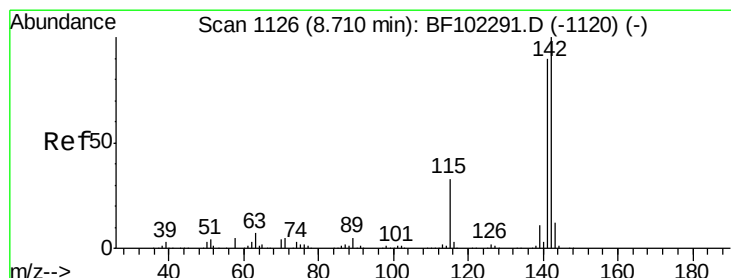
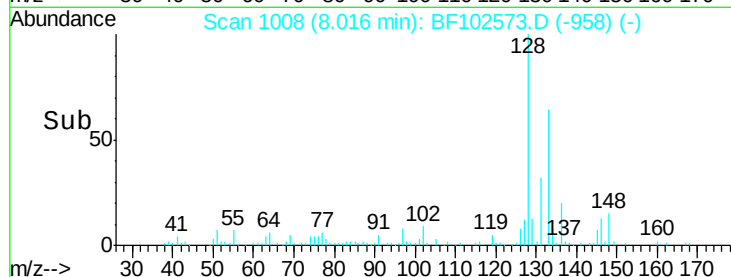
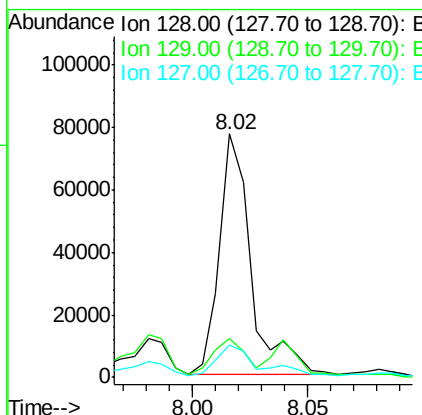
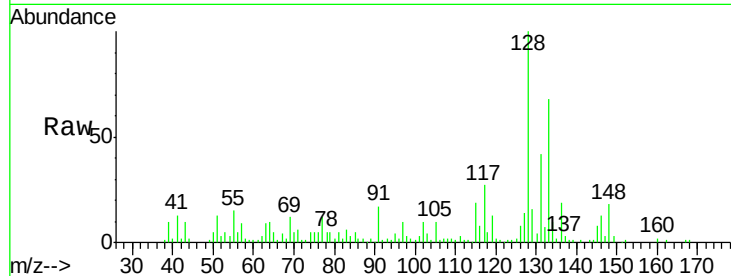
#31
Naphthalene
Concen: 2.446 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF102573.D
Acq: 28 Jan 2018 22:24

Instrument :
BNA_F
ClientSampled :
WC-20(5-15)

Tot Ion	Ratio	Lower	Upper
128	100		
129	16.1	8.8	13.2#
127	13.6	10.9	16.3

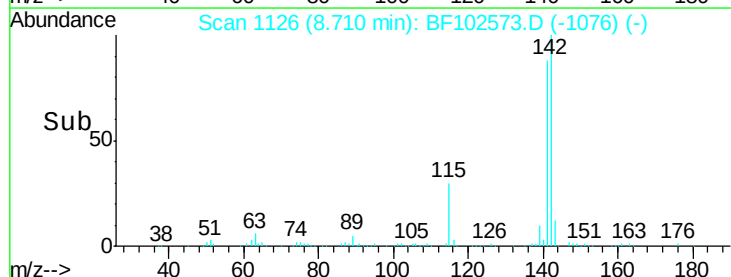
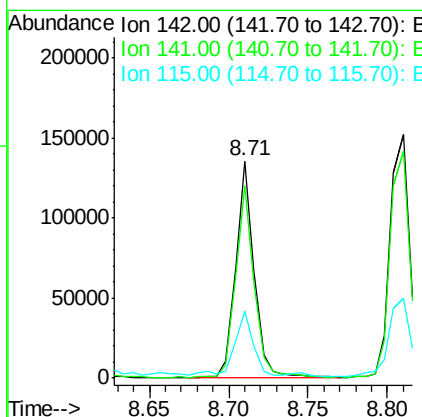
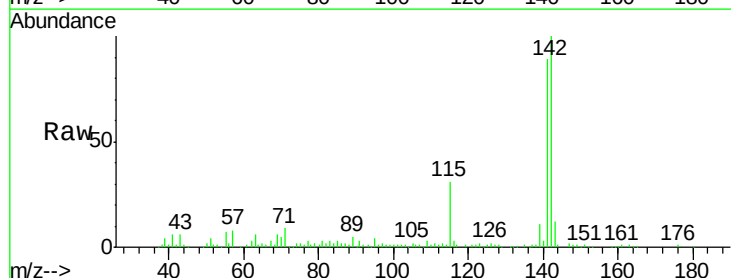
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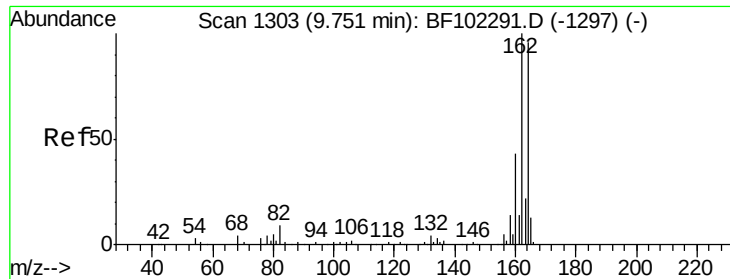
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#37
2-Methylnaphthalene
Concen: 5.503 ng
RT: 8.71 min Scan# 1126
Delta R.T. -0.01 min
Lab File: BF102573.D
Acq: 28 Jan 2018 22:24

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.6	70.8	106.2
115	30.9	26.1	39.1





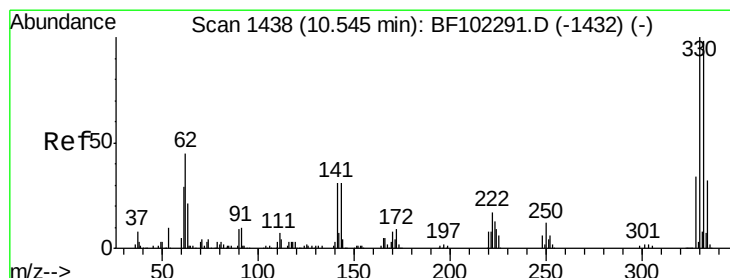
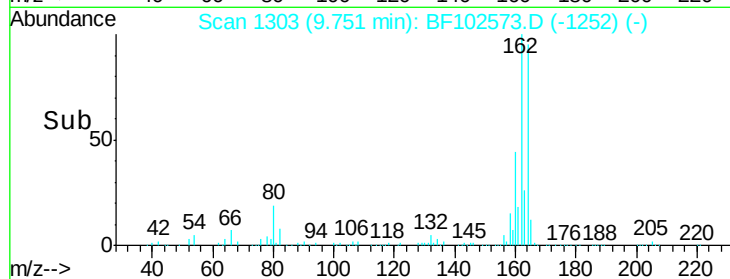
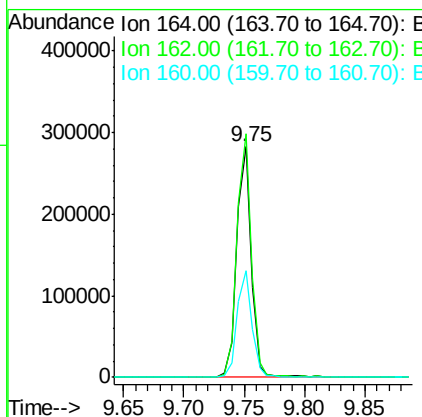
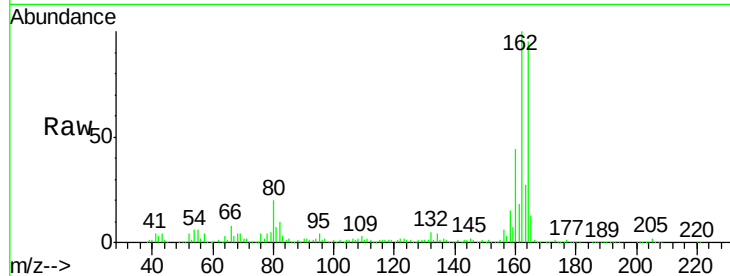
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. 0.00 min
 Lab File: BF102573.D
 Acq: 28 Jan 2018 22:24

Instrument :
 BNA_F
 ClientSampleId :
 WC-20(5-15)

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.5	86.1	129.1	
160	46.1	38.3	57.5	

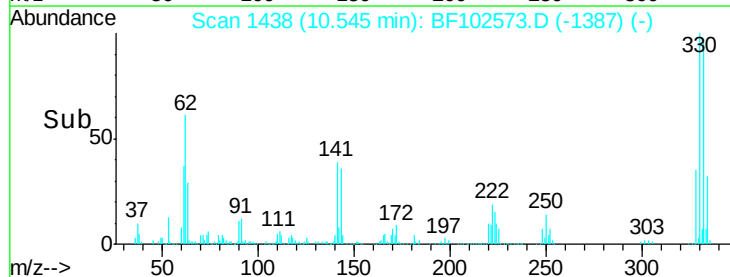
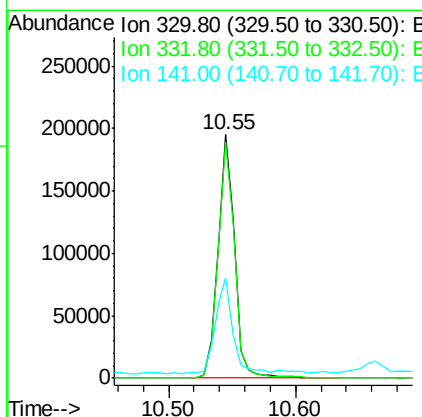
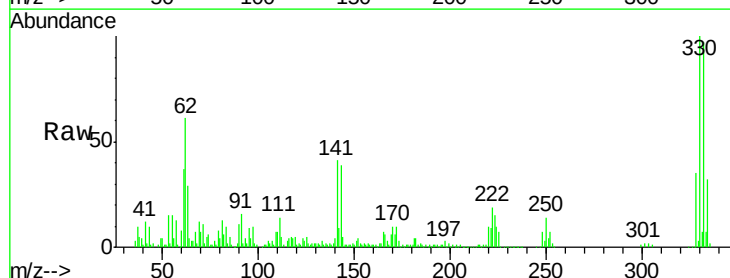
Manual Integrations
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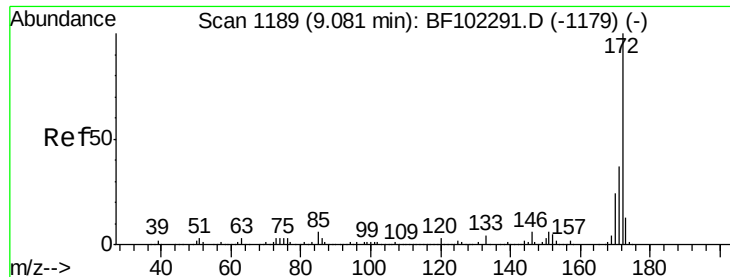
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#41
 2,4,6-Tribromophenol
 Concen: 76.577 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.00 min
 Lab File: BF102573.D
 Acq: 28 Jan 2018 22:24

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.6	77.0	115.6	
141	40.7	29.9	44.9	





#44

2-Fluorobiphenyl

Concen: 72.882 ng

RT: 9.07 min Scan# 1188

Delta R.T. 0.00 min

Lab File: BF102573.D

Acq: 28 Jan 2018 22:24

Instrument :

BNA_F

ClientSampleId :

WC-20(5-15)

Tot Ion:172 Resp: 1182177

Ion Ratio Lower Upper

172 100

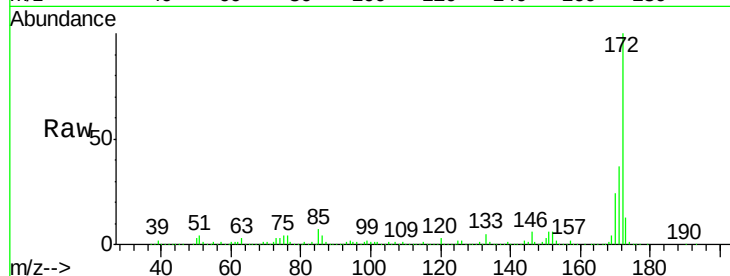
171 37.1 29.7 44.5

170 24.3 19.6 29.4

Manual Integrations
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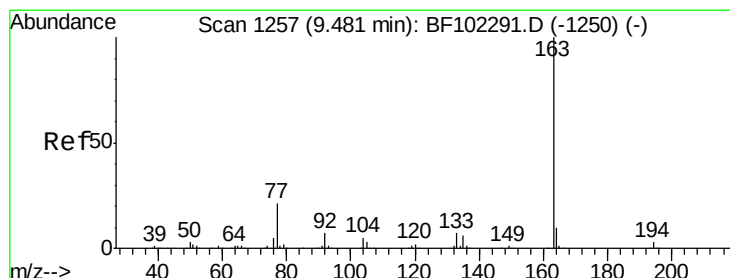
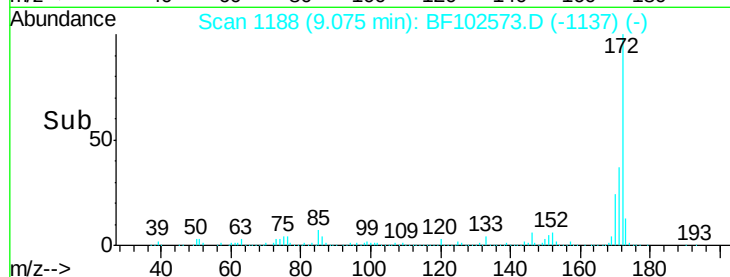
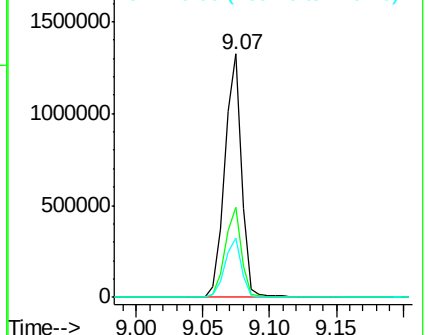
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Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49

Dimethylphthalate

Concen: 9.277 ng

RT: 9.47 min Scan# 1255

Delta R.T. -0.01 min

Lab File: BF102573.D

Acq: 28 Jan 2018 22:24

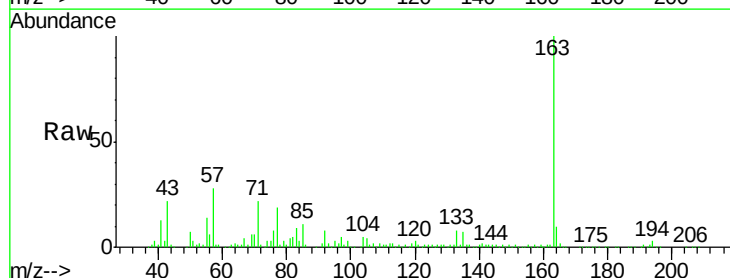
Tgt Ion:163 Resp: 182878

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

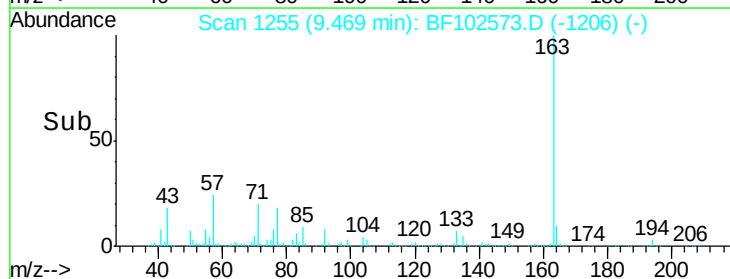
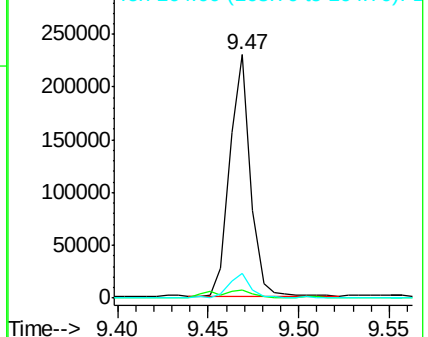
164 9.9 8.2 12.2

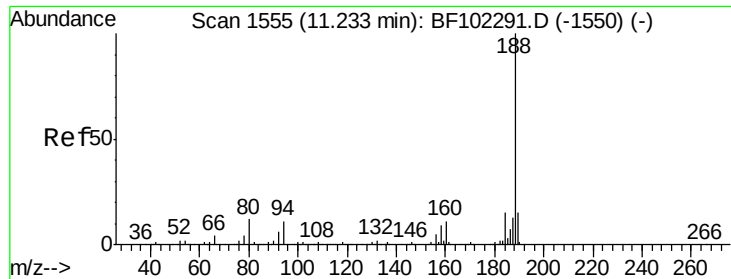


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





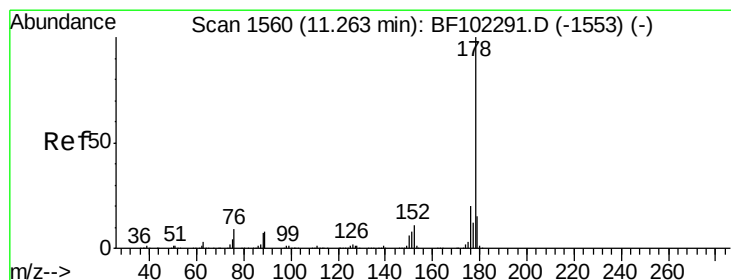
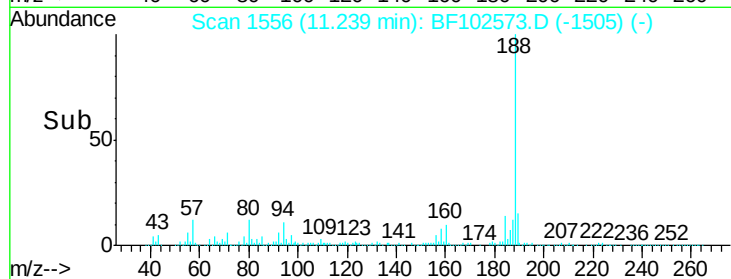
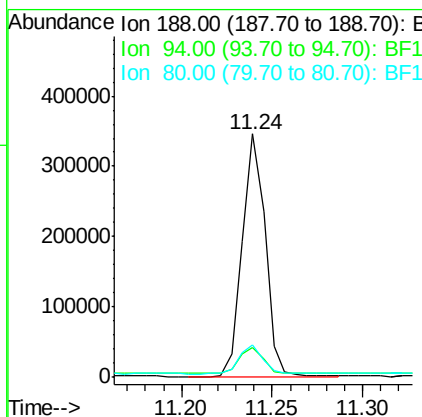
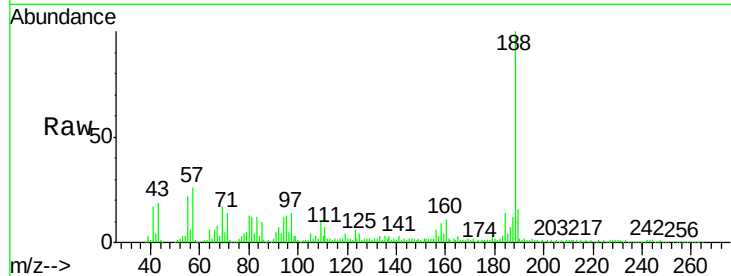
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.00 min
Lab File: BF102573.D
Acq: 28 Jan 2018 22:24

Instrument :
BNA_F
ClientSampleId :
WC-20(5-15)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	304763		
94	12.4		8.5	12.7
80	13.3		9.2	13.8

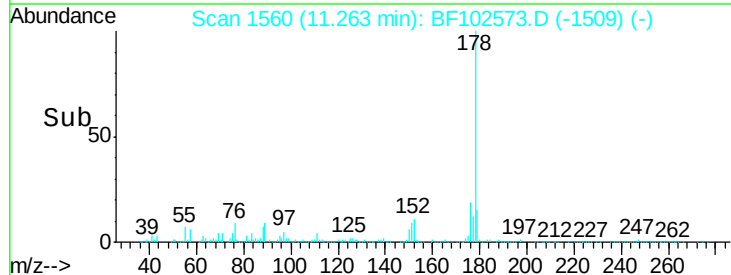
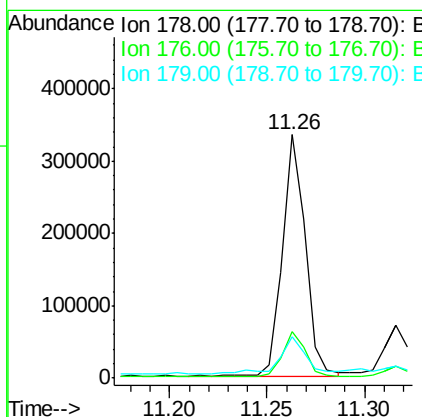
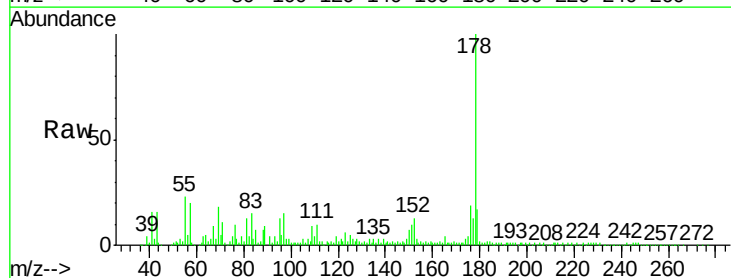
Manual Integrations
APPROVED

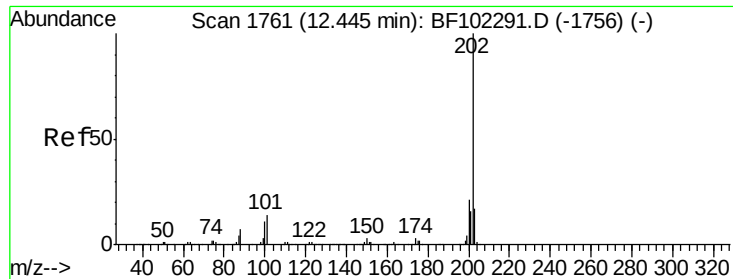
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#70
Phenanthrene
Concen: 15.235 ng
RT: 11.26 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BF102573.D
Acq: 28 Jan 2018 22:24

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	270567		
176	18.9		15.8	23.8
179	17.0		13.0	19.6





#74

Fluoranthene

Concen: 16.829 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF102573.D

Acq: 28 Jan 2018 22:24

Instrument :

BNA_F

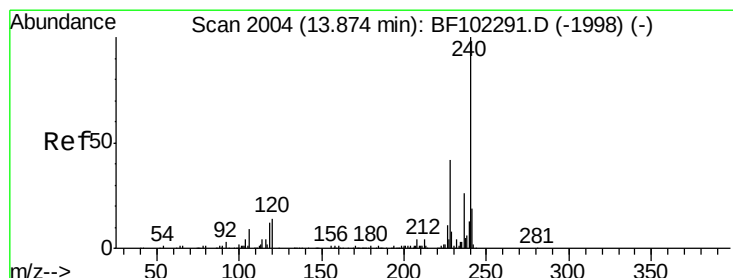
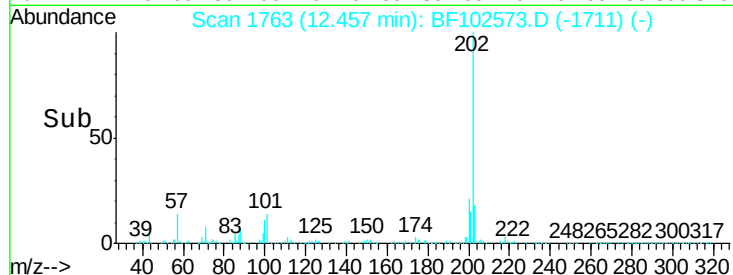
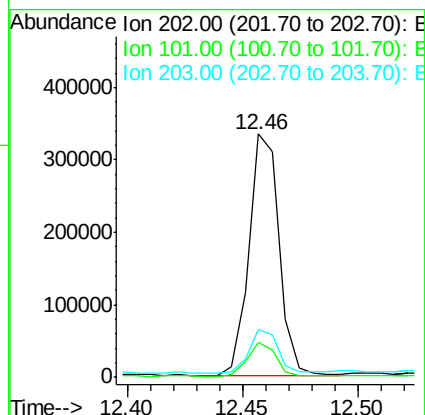
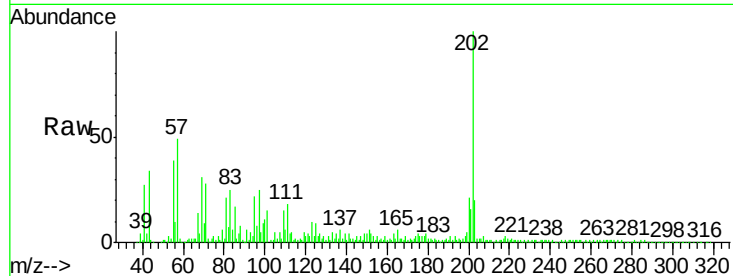
ClientSampleId :

WC-20(5-15)

Tot Ion:	202	Resp:	304780
Ion Ratio	Lower	Upper	
202	100		
101	14.6	0.0	34.1
203	19.5	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

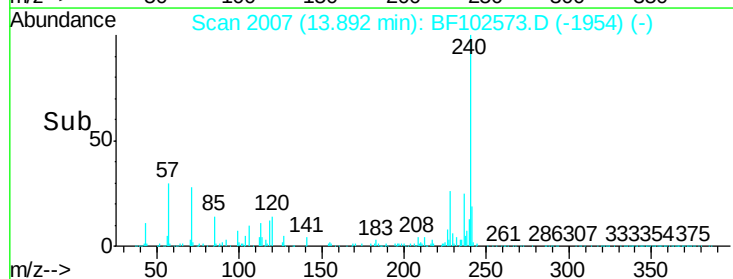
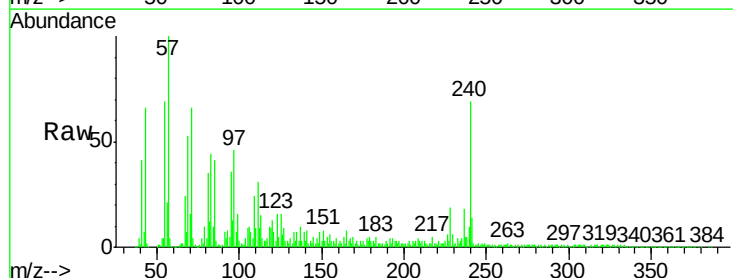
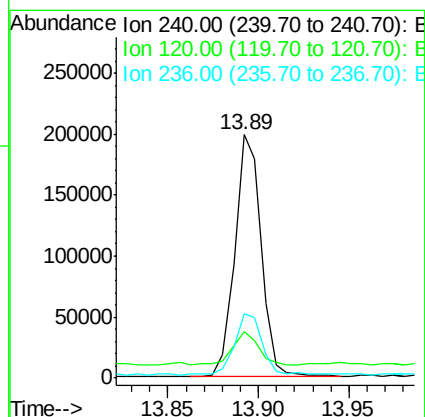
RT: 13.89 min Scan# 2007

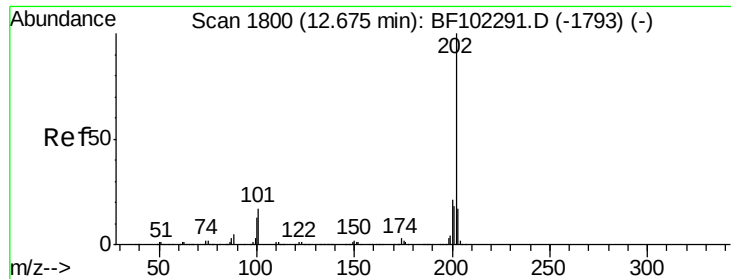
Delta R.T. 0.01 min

Lab File: BF102573.D

Acq: 28 Jan 2018 22:24

Tgt Ion:	240	Resp:	199264
Ion Ratio	Lower	Upper	
240	100		
120	19.1	9.5	14.3#
236	26.7	20.7	31.1





#77

Pvrene

Concen: 19.044 ng

RT: 12.69 min Scan# 1803

Delta R.T. 0.01 min

Lab File: BF102573.D

Acq: 28 Jan 2018 22:24

Instrument :

BNA_F

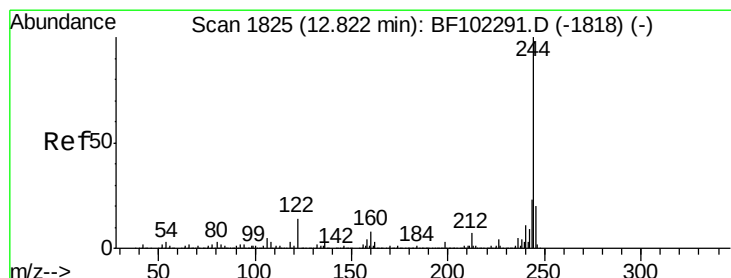
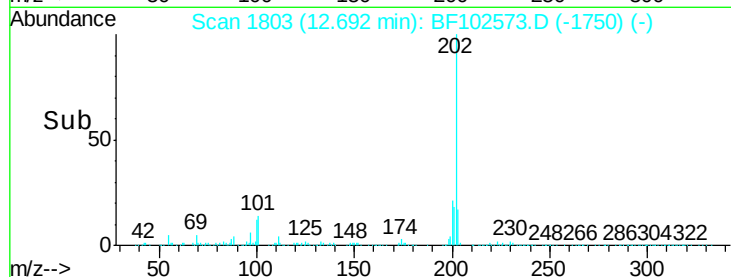
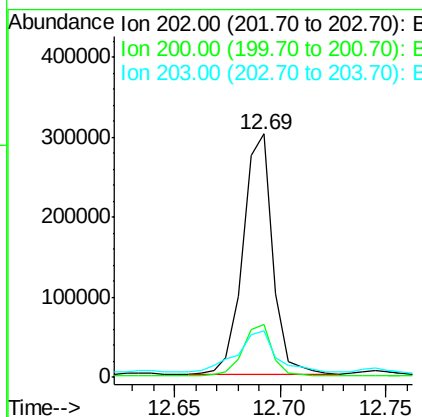
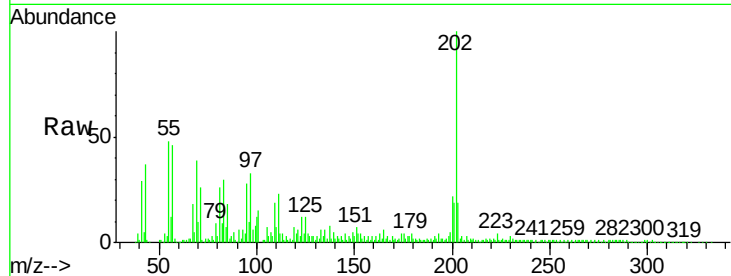
ClientSampled :

WC-20(5-15)

Tot Ion:	202	Resp:	293393
Ion Ratio		Lower	Upper
202	100		
200	21.7	17.4	26.2
203	18.8	14.3	21.5

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#78

Terphenyl-d14

Concen: 72.146 ng

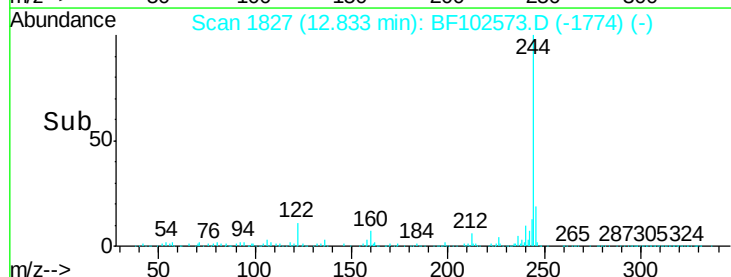
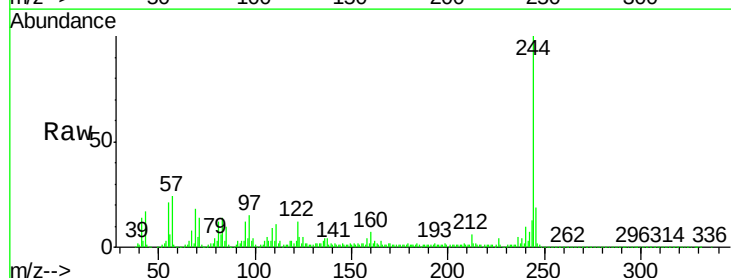
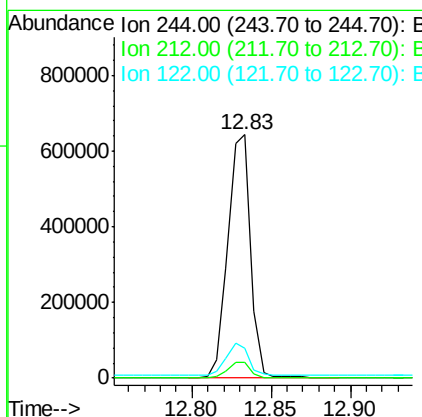
RT: 12.83 min Scan# 1827

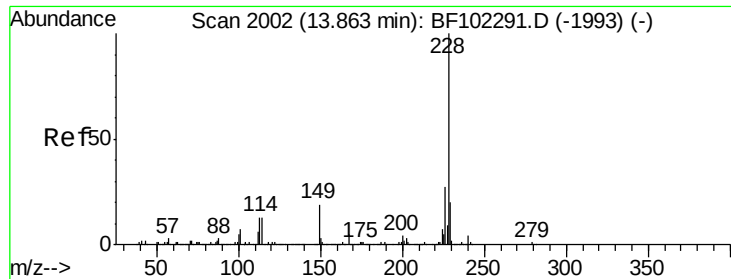
Delta R.T. 0.01 min

Lab File: BF102573.D

Acq: 28 Jan 2018 22:24

Tgt Ion:	244	Resp:	637702
Ion Ratio		Lower	Upper
244	100		
212	6.4	5.4	8.0
122	12.3	11.0	16.4





#80

Benzo(a)anthracene

Concen: 10.166 ng

RT: 13.89 min Scan# 2006

Delta R.T. 0.02 min

Lab File: BF102573.D

Acq: 28 Jan 2018 22:24

Instrument :

BNA_F

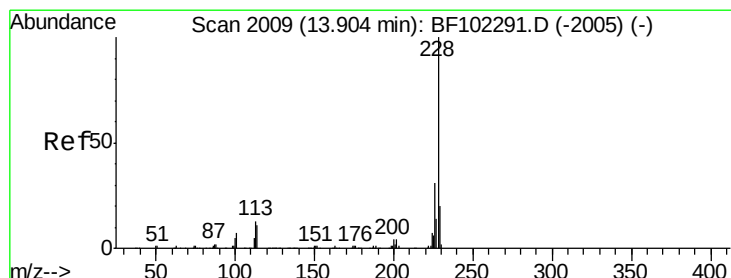
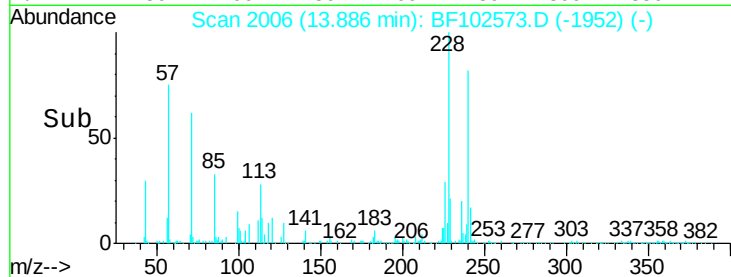
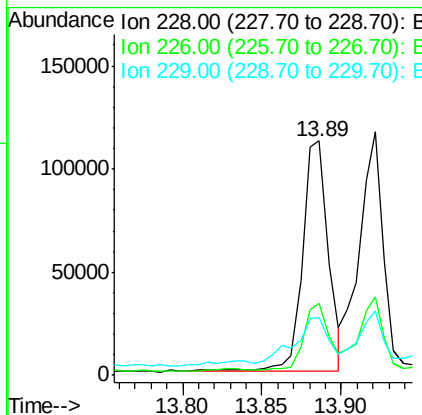
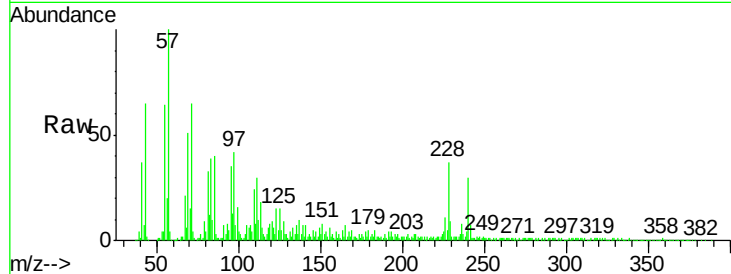
ClientSampleId :

WC-20(5-15)

Tot Ion:	228	Resp:	124712
Ion Ratio	Lower	Upper	
228	100		
226	30.8	22.6	33.8
229	24.9	15.8	23.6

Manual Integrations
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#82

Chrysene

Concen: 10.016 ng

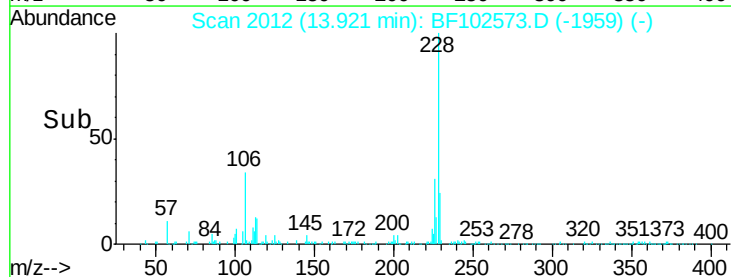
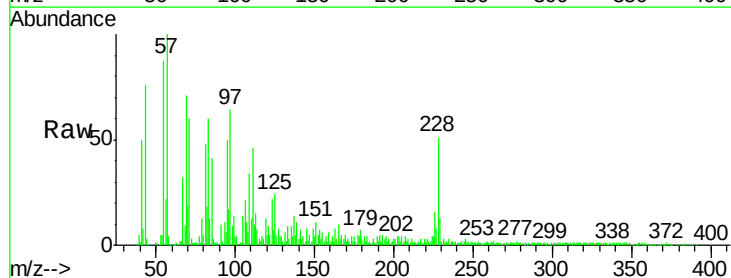
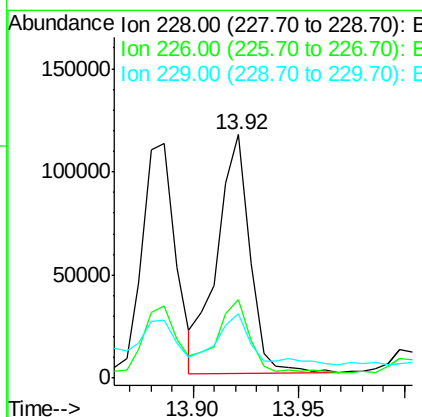
RT: 13.92 min Scan# 2012

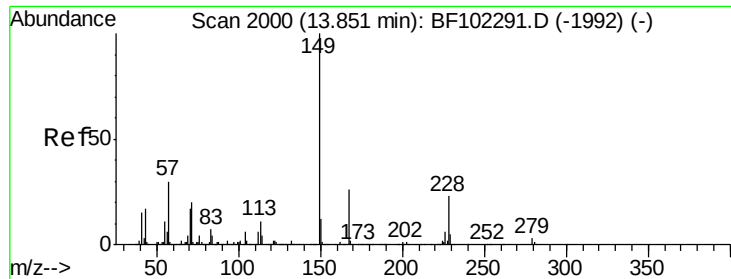
Delta R.T. 0.01 min

Lab File: BF102573.D

Acq: 28 Jan 2018 22:24

Tgt Ion:	228	Resp:	124785
Ion Ratio	Lower	Upper	
228	100		
226	32.1	25.0	37.6
229	26.4	16.2	24.4





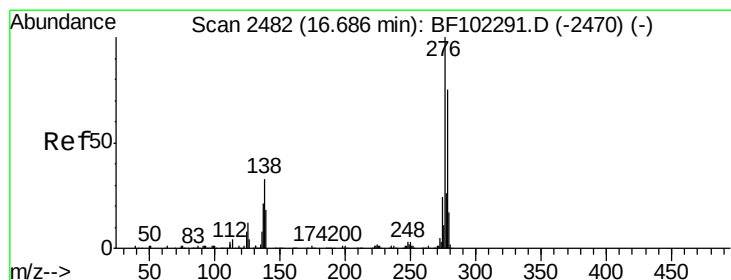
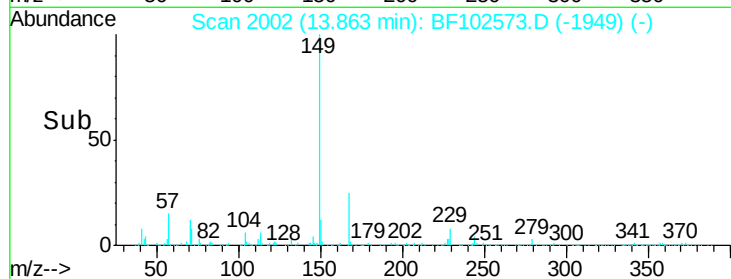
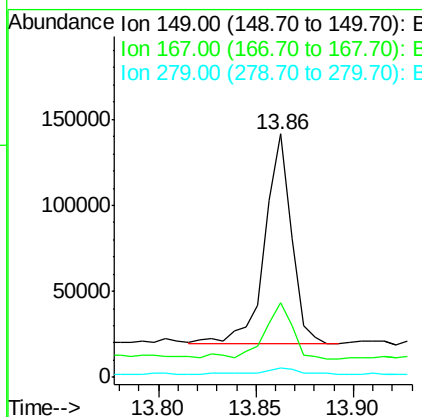
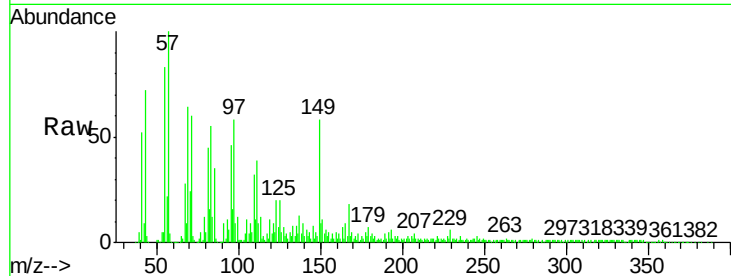
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 11.239 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. 0.01 min
 Lab File: BF102573.D
 Acq: 28 Jan 2018 22:24

Instrument :
 BNA_F
 ClientSampleId :
 WC-20(5-15)

Tot Ion	Ratio	Lower	Upper
149	100		
167	30.6	21.3	31.9
279	4.1	3.0	4.4

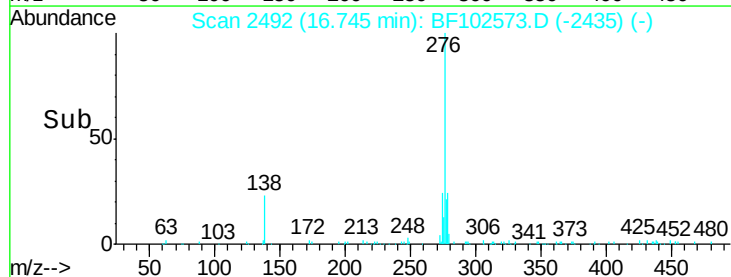
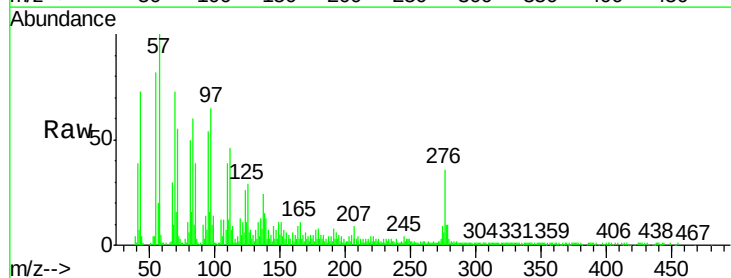
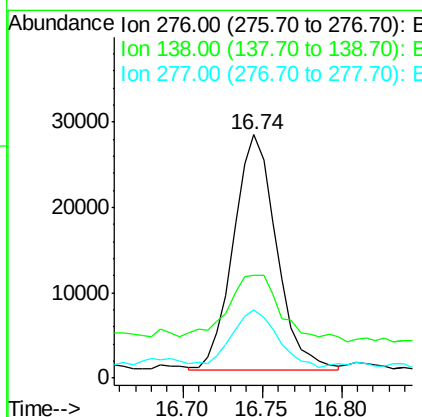
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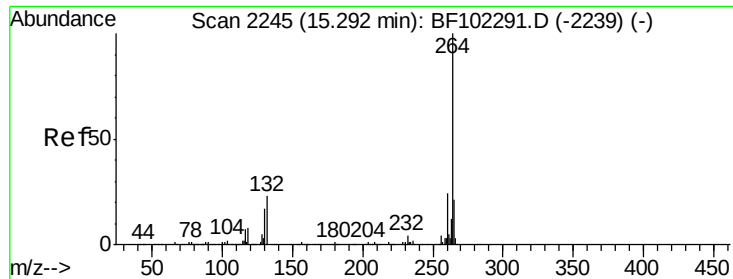
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.044 ng
 RT: 16.74 min Scan# 2492
 Delta R.T. 0.04 min
 Lab File: BF102573.D
 Acq: 28 Jan 2018 22:24

Tgt Ion	Ratio	Lower	Upper
276	100		
138	36.8	25.0	37.6
277	25.5	20.1	30.1





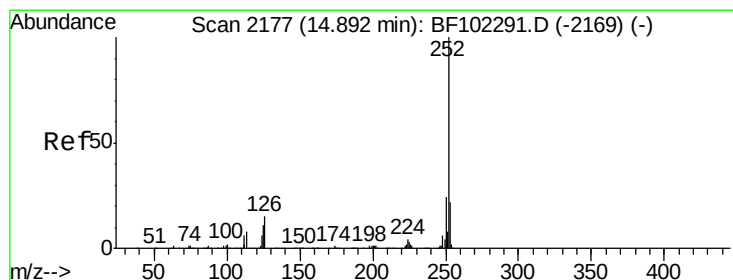
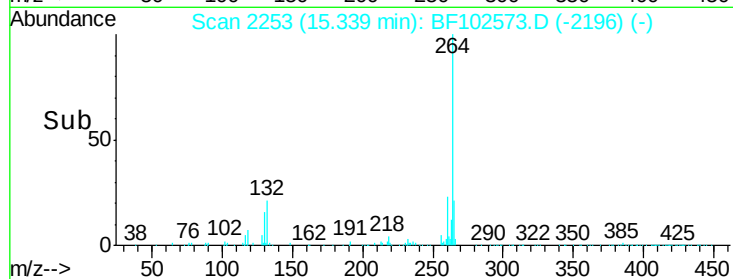
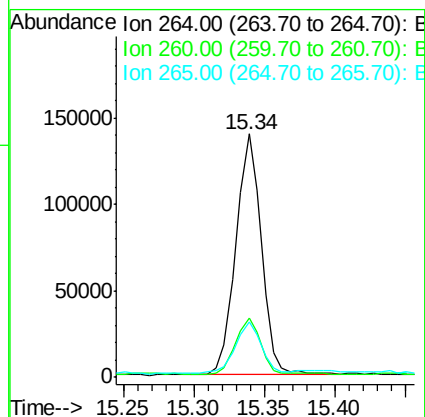
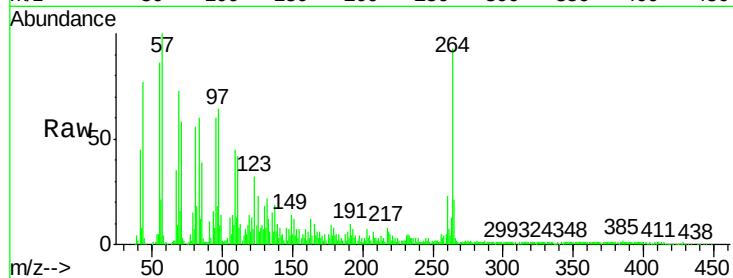
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.34 min Scan# 2253
Delta R.T. 0.04 min
Lab File: BF102573.D
Acq: 28 Jan 2018 22:24

Instrument :
BNA_F
ClientSampleId :
WC-20(5-15)

Tot Ion:	264	Resp:	174680
Ion Ratio		Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.7	17.5	26.3

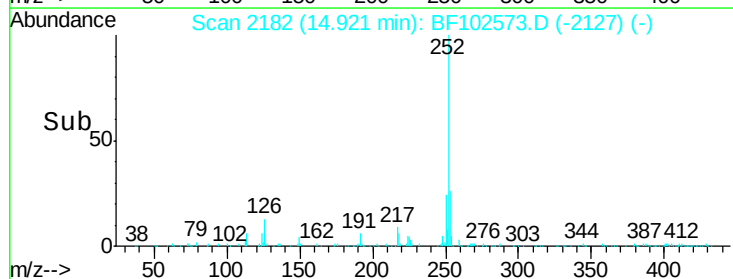
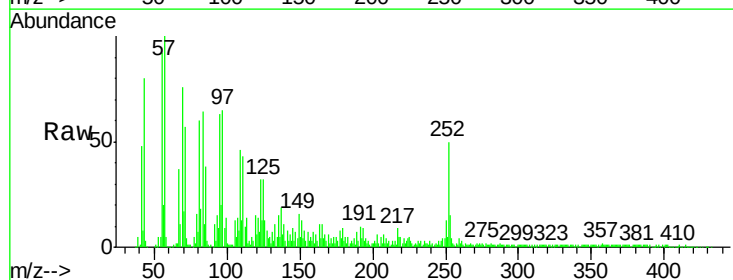
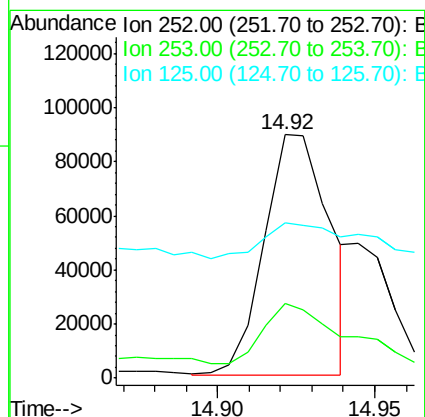
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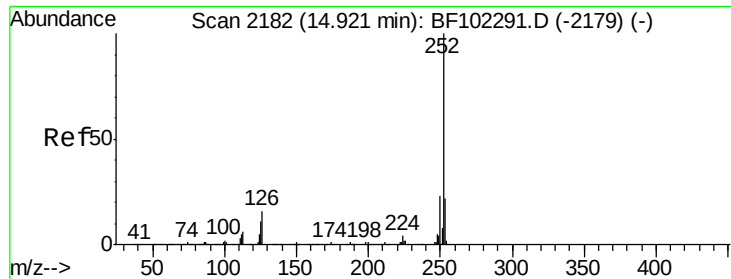
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#87
Benzo(b)fluoranthene
Concen: 11.430 ng m
RT: 14.92 min Scan# 2182
Delta R.T. 0.02 min
Lab File: BF102573.D
Acq: 28 Jan 2018 22:24

Tgt Ion:	252	Resp:	129408
Ion Ratio		Lower	Upper
252	100		
253	30.4	17.0	25.6#
125	63.9	9.0	13.6#





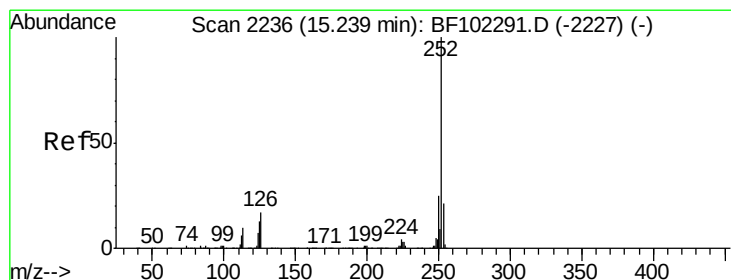
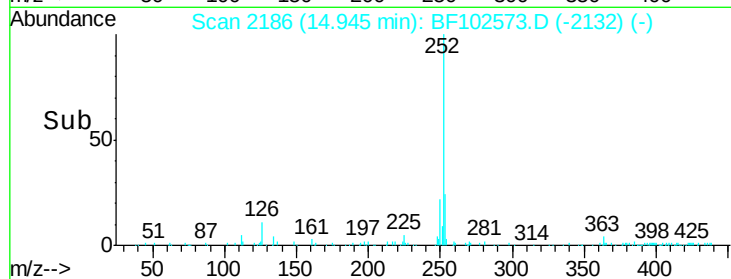
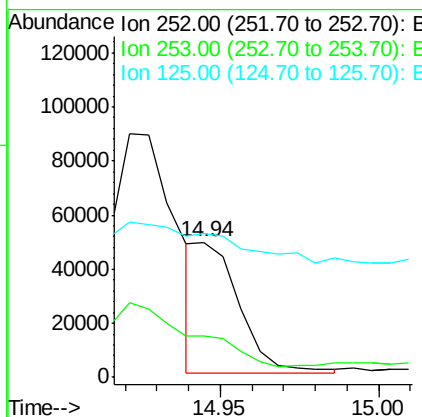
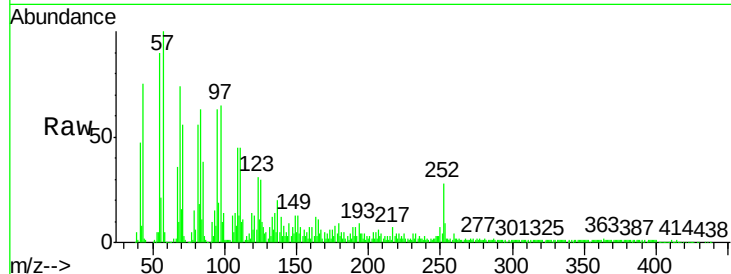
#88
Benzo(k)fluoranthene
Concen: 4.325 ng m
RT: 14.94 min Scan# 2186
Delta R.T. 0.02 min
Lab File: BF102573.D
Acq: 28 Jan 2018 22:24

Instrument :
BNA_F
ClientSampleId :
WC-20(5-15)

Tot Ion	Ratio	Lower	Upper
252	100		
253	30.8	17.9	26.9#
125	106.0	10.2	15.2#

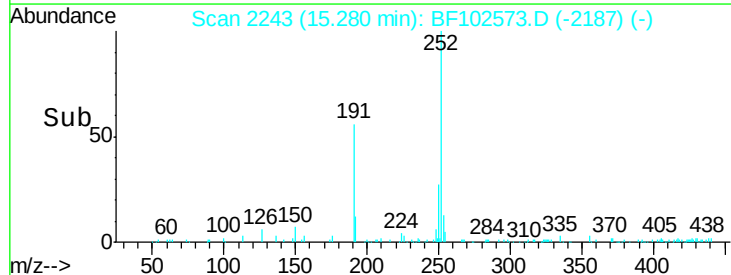
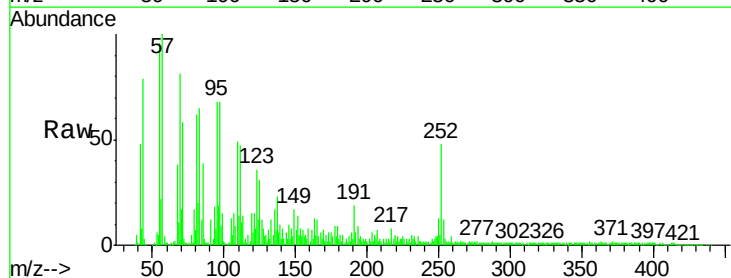
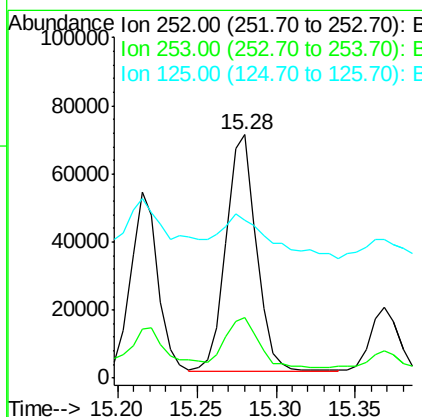
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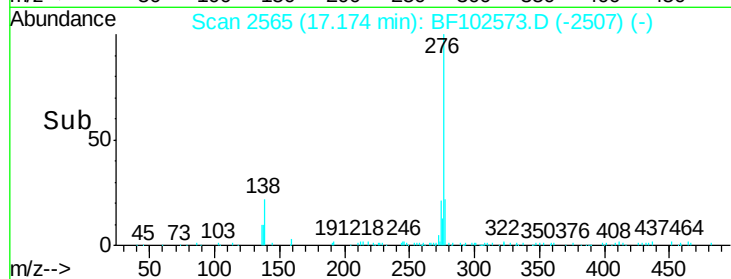
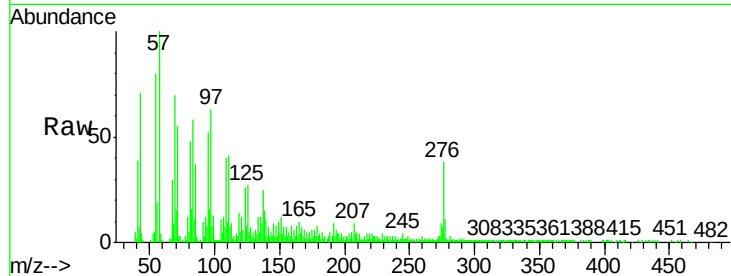
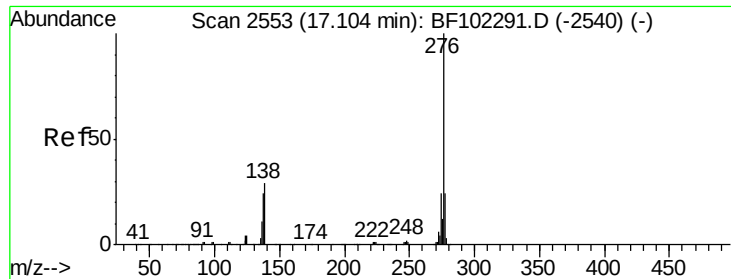
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#89
Benzo(a)pyrene
Concen: 9.004 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.03 min
Lab File: BF102573.D
Acq: 28 Jan 2018 22:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.1	25.7
125	65.0	9.8	14.6#





#91

Benzo(a,h,i)perylene

Concen: 6.093 ng

RT: 17.17 min Scan# 2565

Delta R.T. 0.04 min

Lab File: BF102573.D

Acq: 28 Jan 2018 22:24

Instrument :

BNA_F

ClientSampleId :

WC-20(5-15)

Tot Ion: 276 Resp: 49762

Ion Ratio Lower Upper

276 100

277 28.3 17.9 26.9#

138 38.8 21.8 32.8#

Manual Integrations

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