

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121517\
 Data File : BF101442.D
 Acq On : 15 Dec 2017 14:57
 Operator : SJ/JU
 Sample : I6843-01 30X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-04-02

Manual Integrations
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Quant Time: Dec 15 17:47:25 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 15 17:36:17 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	178801	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	733320	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	340393	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	638581	20.00	ng	0.00
75) Chrysene-d12	13.99	240	442390	20.00	ng	0.00
86) Perylene-d12	15.46	264	367015	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.51	112	2358	0.20	ng	0.08
7) Phenol-d6	6.50	99	4016	0.27	ng	0.04
23) Nitrobenzene-d5	7.41	82	2811	0.21	ng	0.02
41) 2,4,6-Tribromophenol	10.66	330	943	0.29	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	6262	0.29	ng	0.00
78) Terphenyl-d14	12.93	244	6951	0.38	ng	0.00

Target Compounds

						Qvalue
31) Naphthalene	8.12	128	354810	9.611	ng	99
37) 2-Methylnaphthalene	8.82	142	51689	2.149	ng	98
54) Dibenzofuran	10.06	168	87860	3.154	ng	97
57) Fluorene	10.40	166	179844	7.632	ng	100
70) Phenanthrene	11.37	178	1358663	38.259	ng	99
71) Anthracene	11.42	178	628778	17.334	ng	100
72) Carbazole	11.58	167	221567	6.524	ng	99
74) Fluoranthene	12.56	202	1253719	33.634	ng	99
77) Pyrene	12.79	202	977331	29.437	ng	100
80) Benzo(a)anthracene	13.99	228	455982	15.610	ng	97
82) Chrysene	14.02	228	378664	13.729	ng	98
83) Bis(2-ethylhexyl)phthalate	13.95	149	79243	4.165	ng	97
85) Indeno(1,2,3-cd)pyrene	16.94	276	132196	5.382	ng	# 91
87) Benzo(b)fluoranthene	15.04	252	318860m	14.254	ng	
88) Benzo(k)fluoranthene	15.06	252	147144m	6.765	ng	
89) Benzo(a)pyrene	15.40	252	239229	11.601	ng	98
90) Dibenzo(a,h)anthracene	16.95	278	36867	2.082	ng	95
91) Benzo(g,h,i)perylene	17.40	276	109638	6.253	ng	97

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

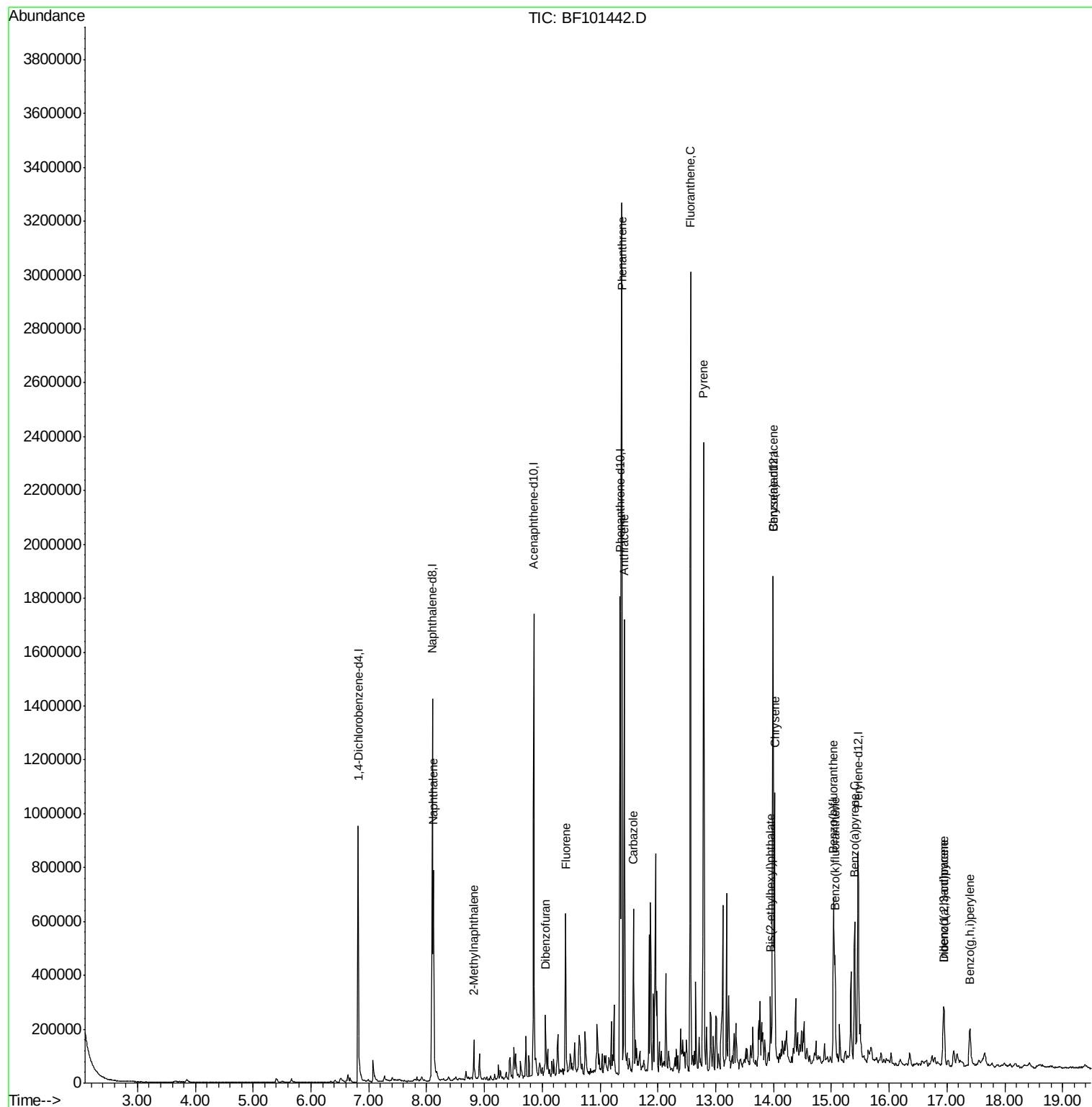
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121517\
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Sample : I6843-01 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

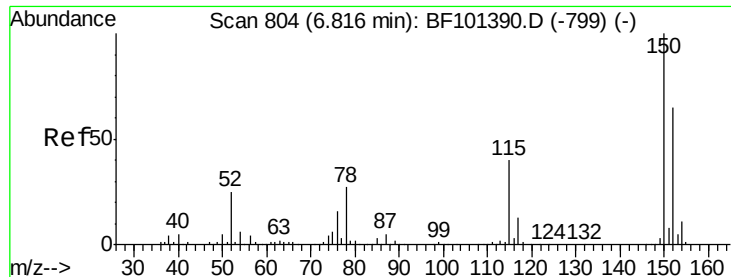
Instrument :
BNA_F
ClientSampleId :
WC-04-02

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Quant Time: Dec 15 17:47:25 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 15 17:36:17 2017
Response via : Initial Calibration





#1

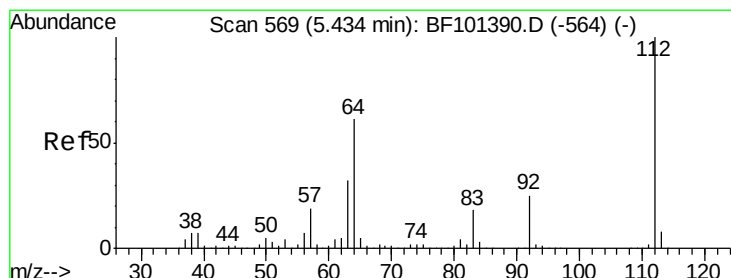
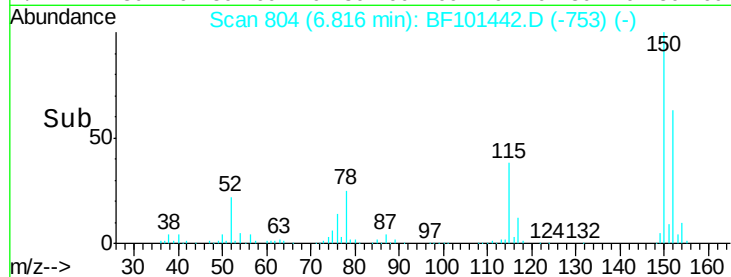
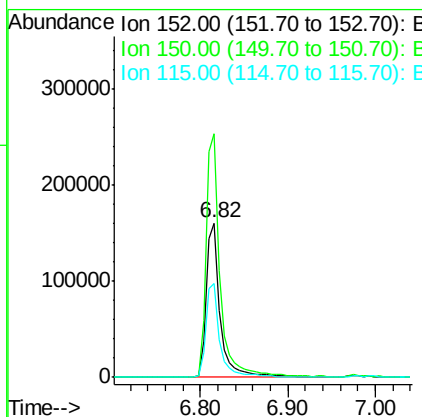
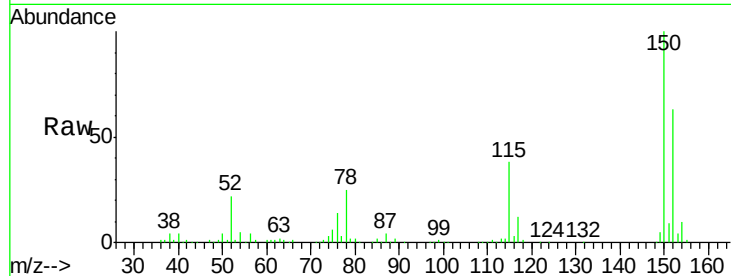
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. 0.00 min
Lab File: BF101442.D
Acq: 15 Dec 2017 14:57

Instrument :
BNA_F
ClientSampleId :
WC-04-02

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.9	124.6	186.8
115	60.5	50.1	75.1

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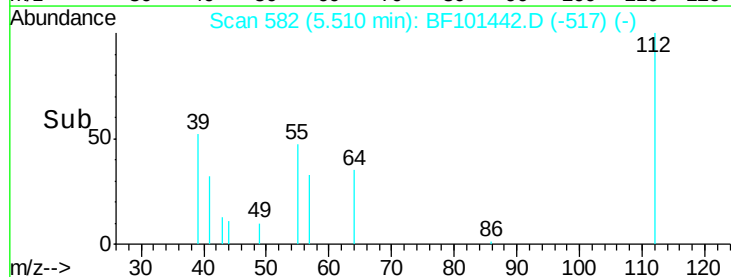
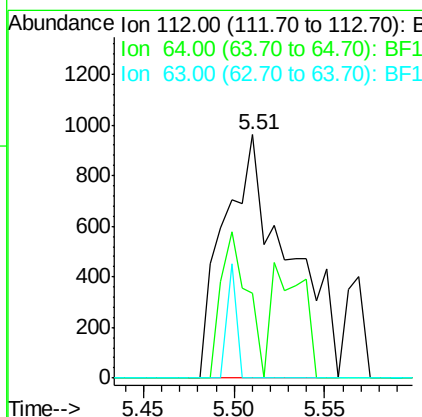
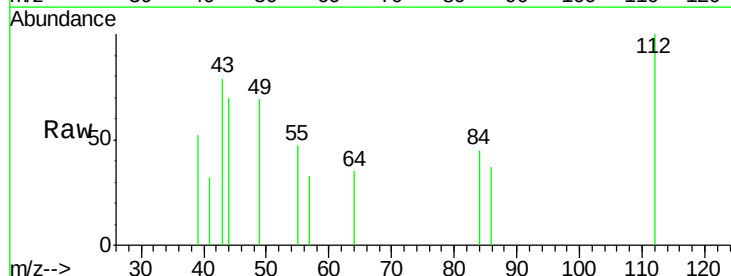
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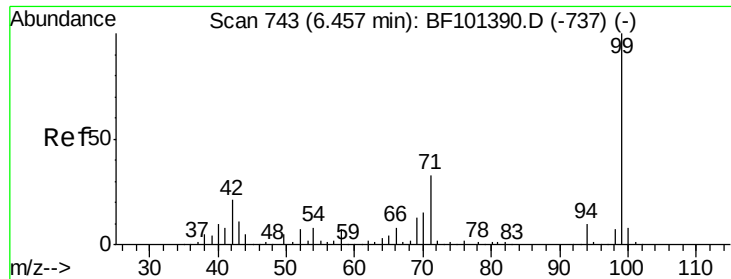


#5

2-Fluorophenol
Concen: 0.196 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.08 min
Lab File: BF101442.D
Acq: 15 Dec 2017 14:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	34.6	47.9	71.9#
63	0.0	23.7	35.5#





#7

Phenol-d6

Concen: 0.269 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.04 min

Lab File: BF101442.D

Acq: 15 Dec 2017 14:57

Instrument :

BNA_F

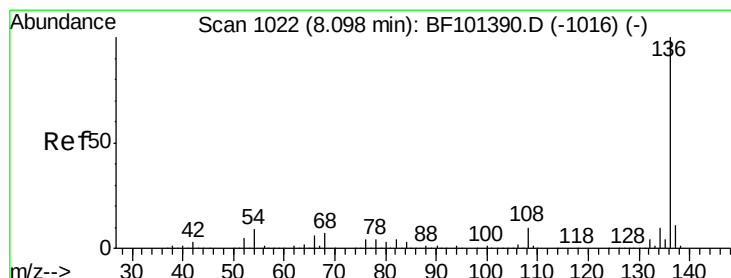
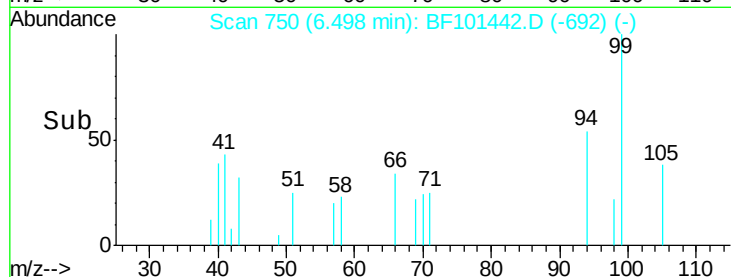
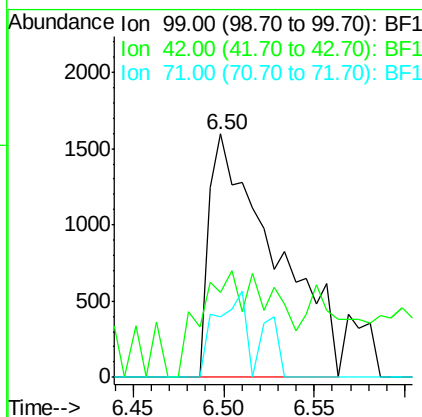
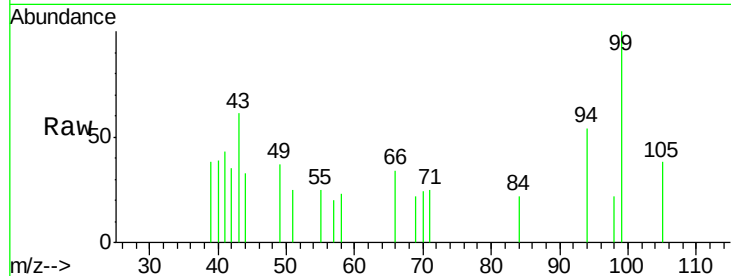
ClientSampleId :

WC-04-02

Tgt Ion:	99	Resp:	4016
Ion Ratio	Lower	Upper	
99	100		
42	34.8	14.5	21.7#
71	25.0	25.4	38.0#

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#21

Naphthalene-d8

Concen: 20.000 ng

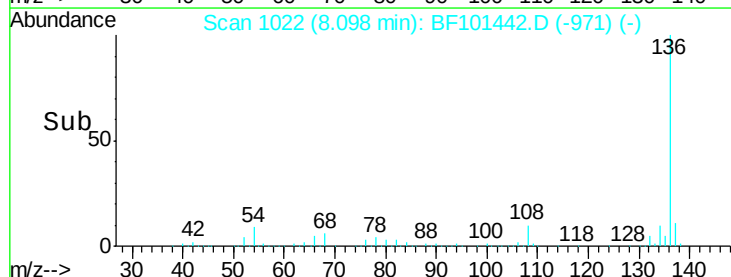
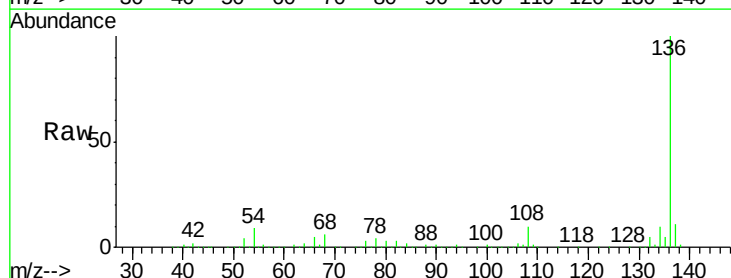
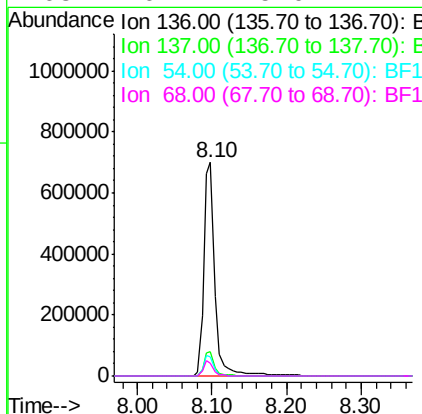
RT: 8.10 min Scan# 1022

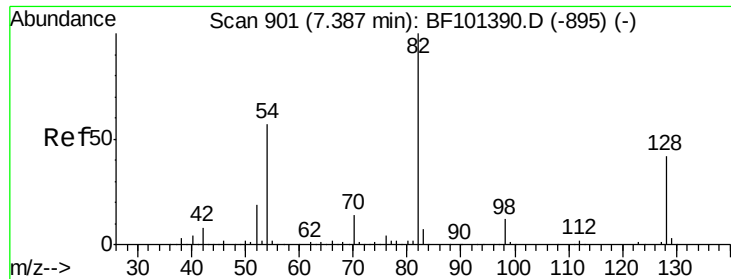
Delta R.T. 0.00 min

Lab File: BF101442.D

Acq: 15 Dec 2017 14:57

Tgt Ion:	136	Resp:	733320
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	8.8	6.6	9.8
68	6.2	5.0	7.4





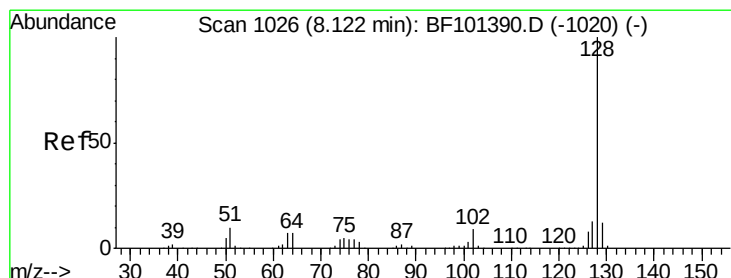
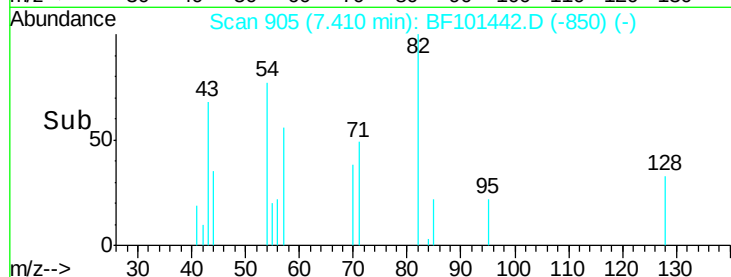
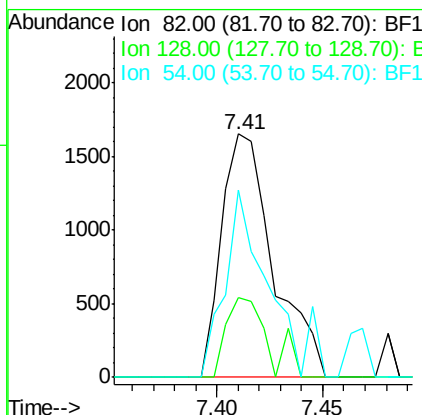
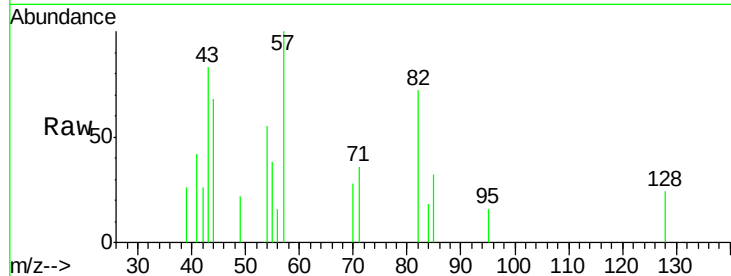
#23
Nitrobenzene-d5
Concen: 0.213 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.02 min
Lab File: BF101442.D
Acq: 15 Dec 2017 14:57

Instrument :
BNA_F
ClientSampled :
WC-04-02

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	2811		
128	32.9	36.1	54.1#	
54	76.7	41.4	62.2#	

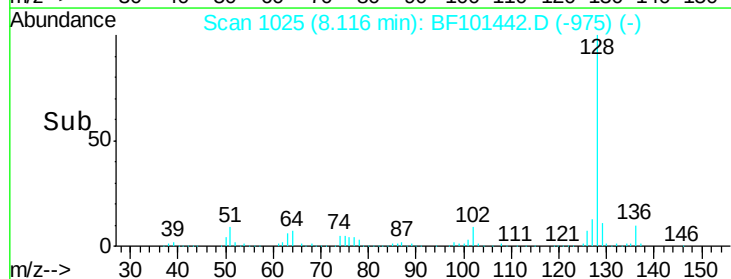
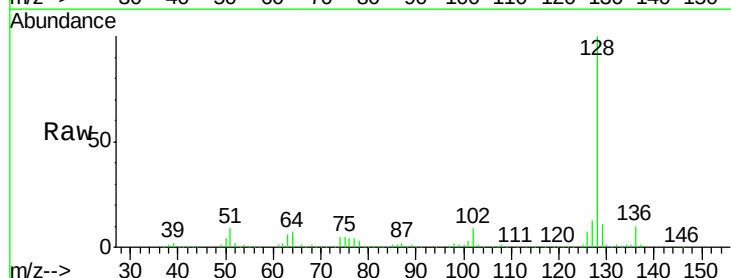
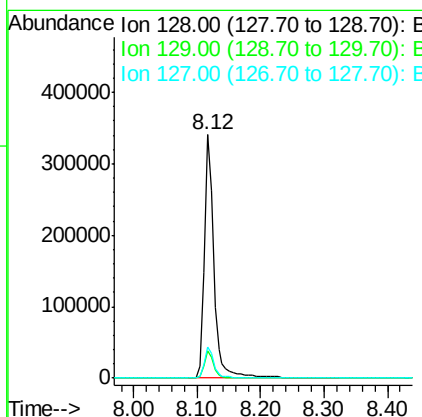
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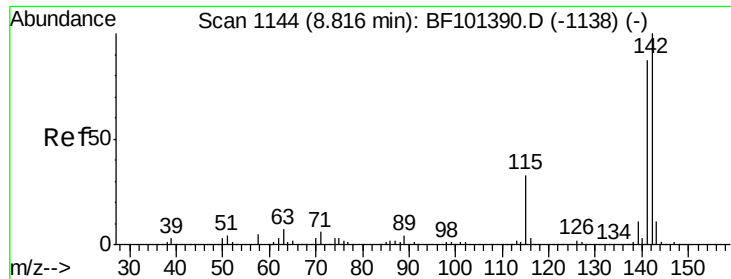
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#31
Naphthalene
Concen: 9.611 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF101442.D
Acq: 15 Dec 2017 14:57

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	354810		
129	11.0	8.8	13.2	
127	12.8	10.9	16.3	





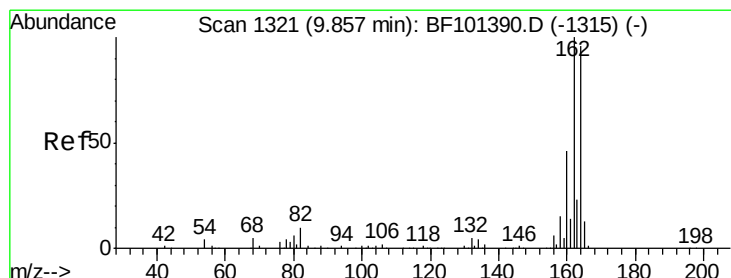
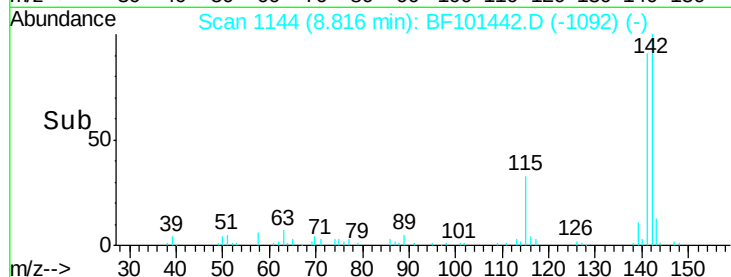
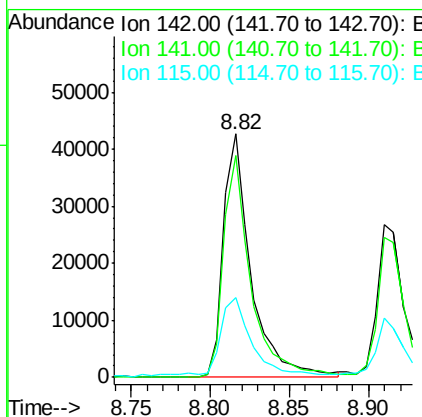
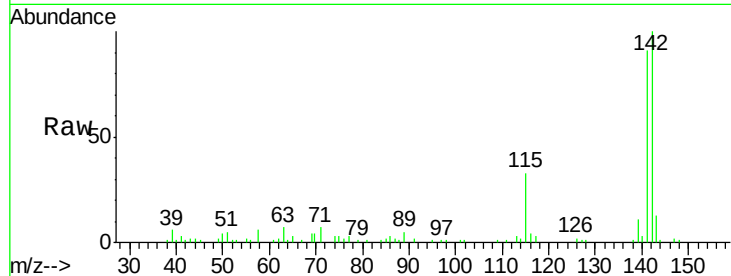
#37
2-Methylnaphthalene
Concen: 2.149 ng
RT: 8.82 min Scan# 1144
Delta R.T. 0.01 min
Lab File: BF101442.D
Acq: 15 Dec 2017 14:57

Instrument :
BNA_F
ClientSampled :
WC-04-02

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.1	70.8	106.2
115	32.9	26.1	39.1

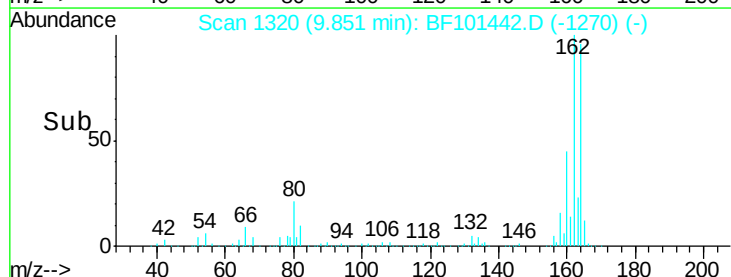
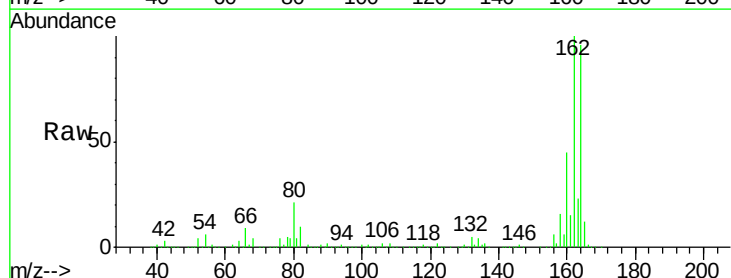
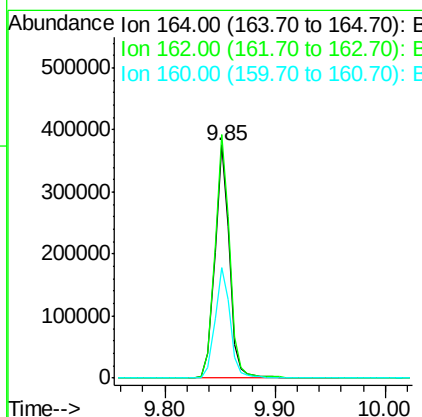
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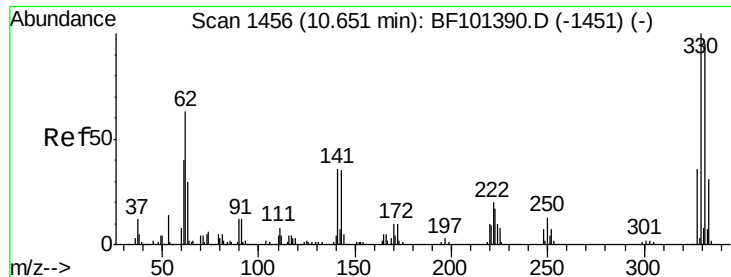
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF101442.D
Acq: 15 Dec 2017 14:57

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.6	86.1	129.1
160	47.4	38.3	57.5





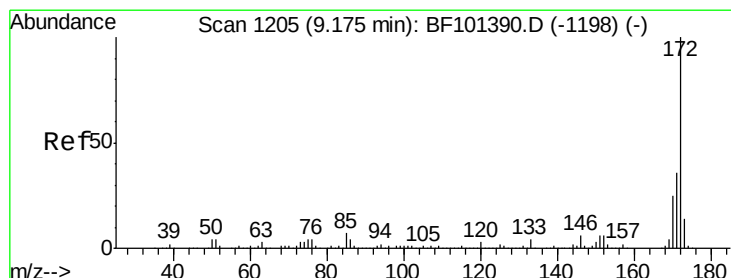
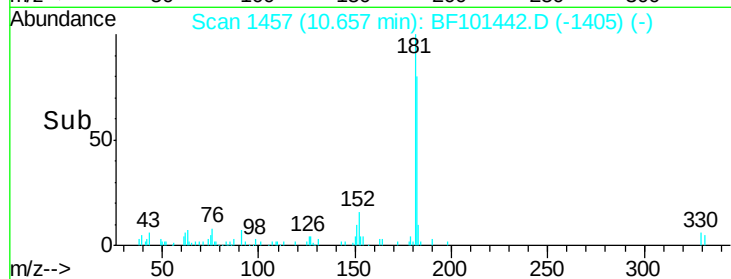
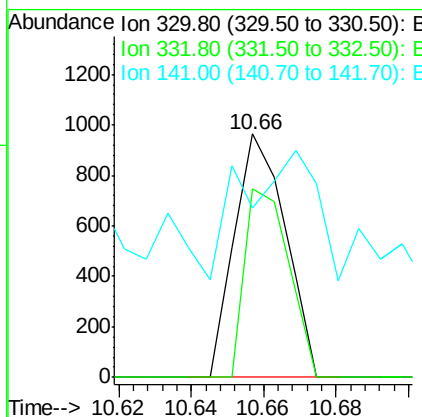
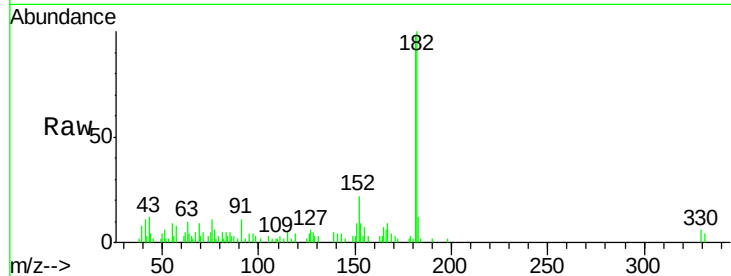
#41
 2,4,6-Tribromophenol
 Concen: 0.288 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. 0.01 min
 Lab File: BF101442.D
 Acq: 15 Dec 2017 14:57

Instrument :
 BNA_F
 ClientSampleId :
 WC-04-02

Tgt Ion	Ratio	Lower	Upper
330	100		
332	66.6	77.0	115.6#
141	259.3	29.9	44.9#

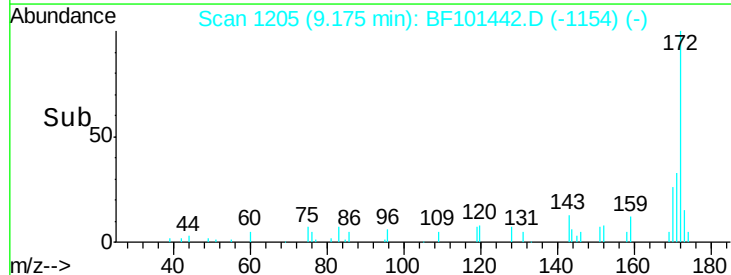
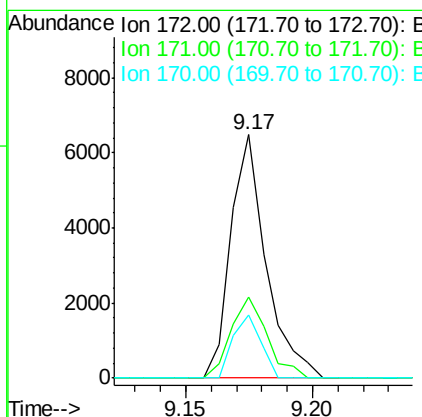
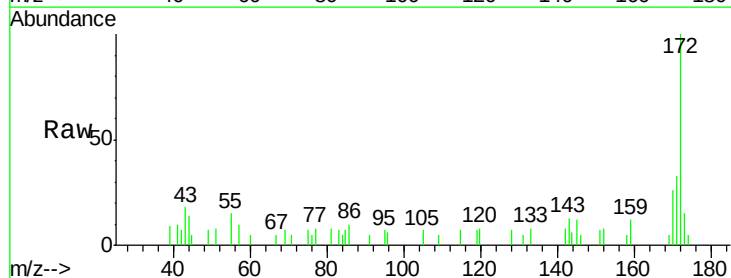
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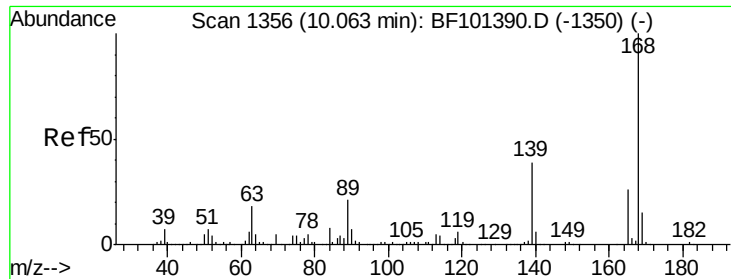
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#44
 2-Fluorobiphenyl
 Concen: 0.285 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF101442.D
 Acq: 15 Dec 2017 14:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.3	29.7	44.5
170	25.9	19.6	29.4





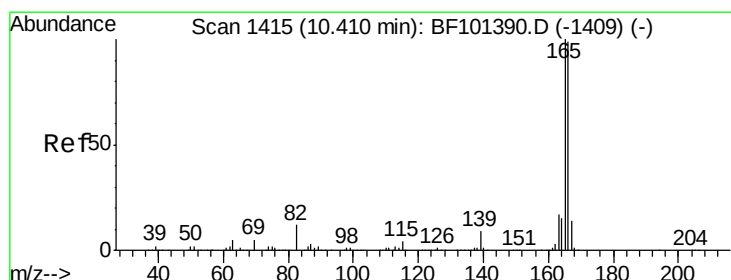
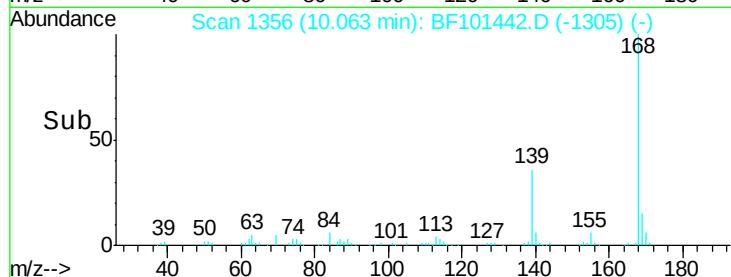
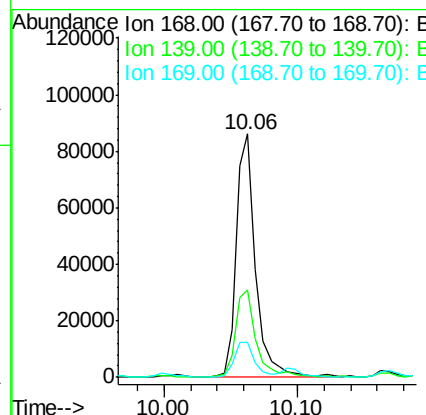
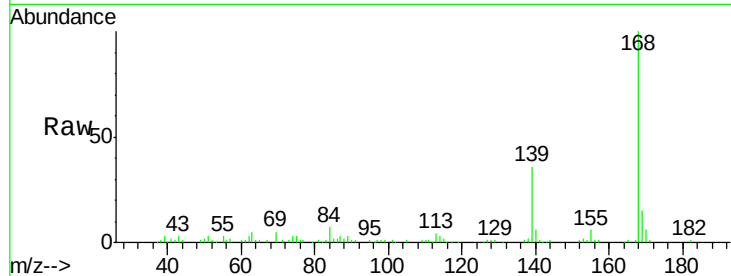
#54
Dibenzenofuran
Concen: 3.154 ng
RT: 10.06 min Scan# 1356
Delta R.T. 0.00 min
Lab File: BF101442.D
Acq: 15 Dec 2017 14:57

Instrument :
BNA_F
ClientSampleId :
WC-04-02

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	87860		
139	35.7		30.1	45.1
169	14.6		10.9	16.3

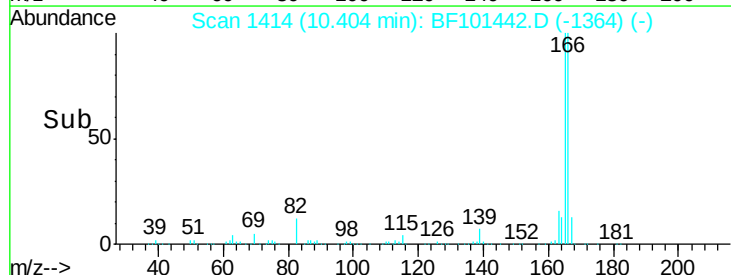
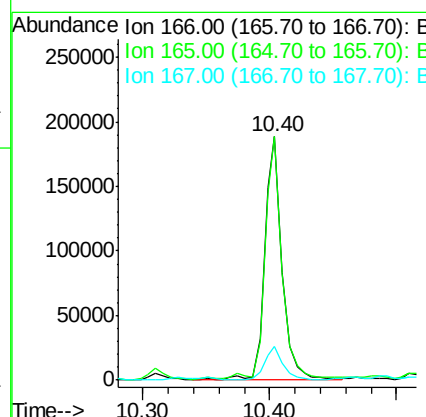
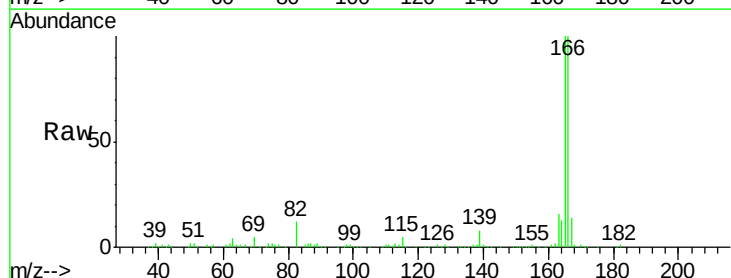
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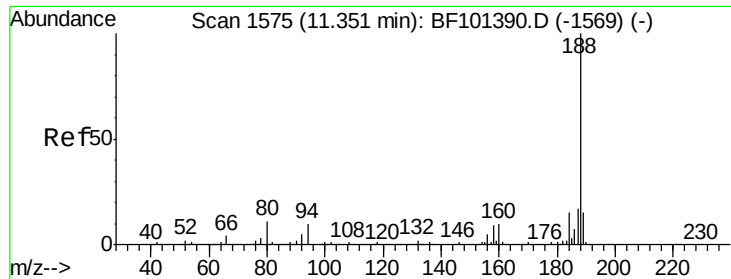
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#57
Fluorene
Concen: 7.632 ng
RT: 10.40 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BF101442.D
Acq: 15 Dec 2017 14:57

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	179844		
165	100.0		79.8	119.8
167	13.9		10.6	16.0





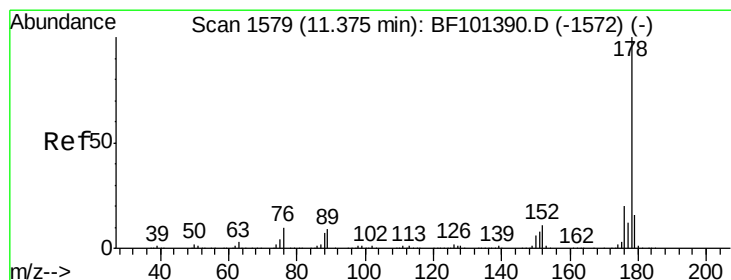
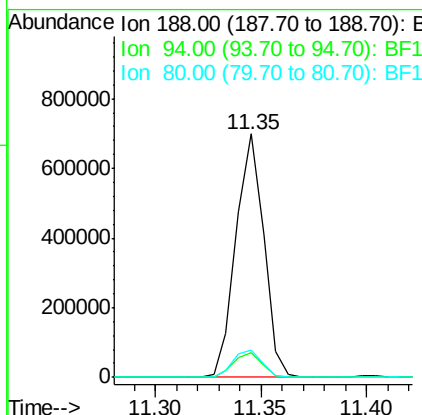
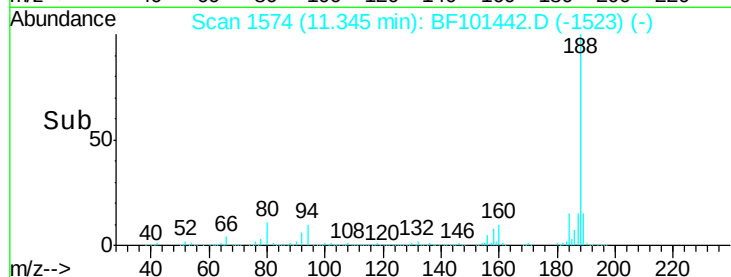
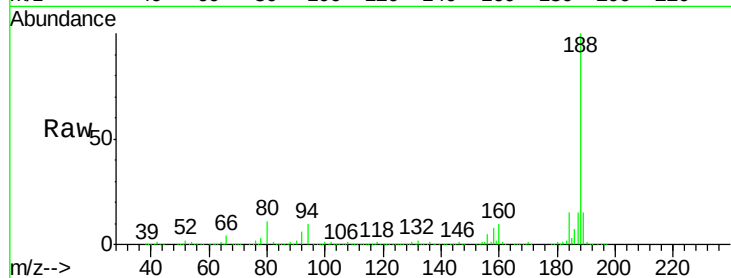
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1574
Delta R.T. 0.00 min
Lab File: BF101442.D
Acq: 15 Dec 2017 14:57

Instrument :
BNA_F
ClientSampleId :
WC-04-02

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.0	8.5	12.7
80	11.2	9.2	13.8

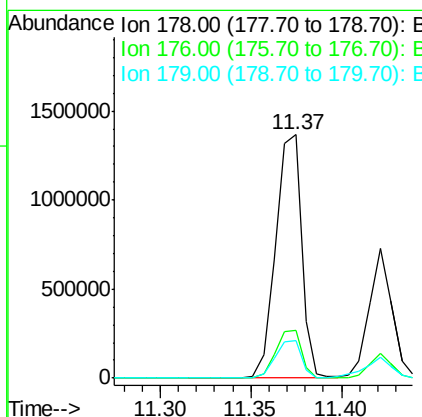
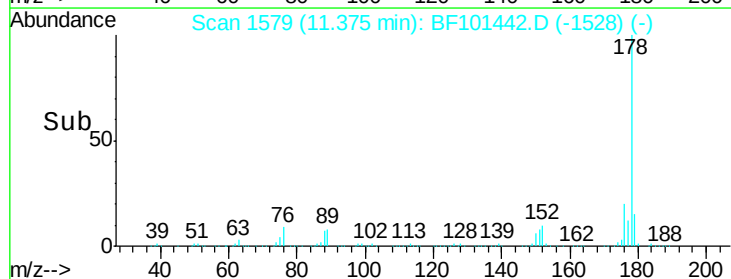
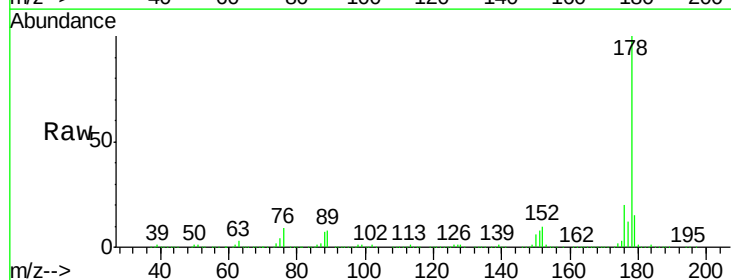
Manual Integrations
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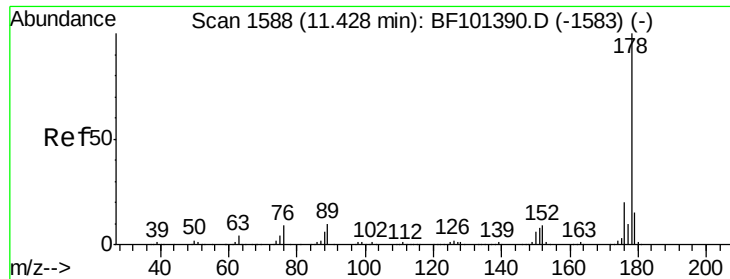
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#70
Phenanthrene
Concen: 38.259 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.00 min
Lab File: BF101442.D
Acq: 15 Dec 2017 14:57

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.9	15.8	23.8
179	15.3	13.0	19.6





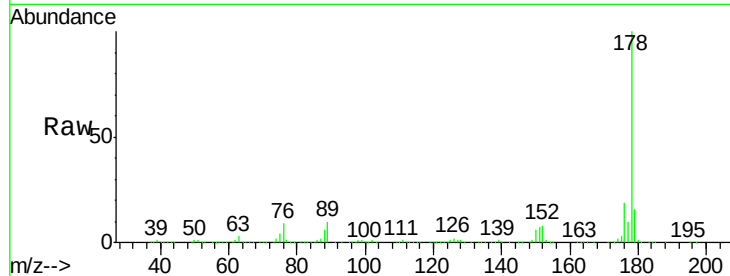
#71
 Anthracene
 Concen: 17.334 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.01 min
 Lab File: BF101442.D
 Acq: 15 Dec 2017 14:57

Instrument :
 BNA_F
 ClientSampleId :
 WC-04-02

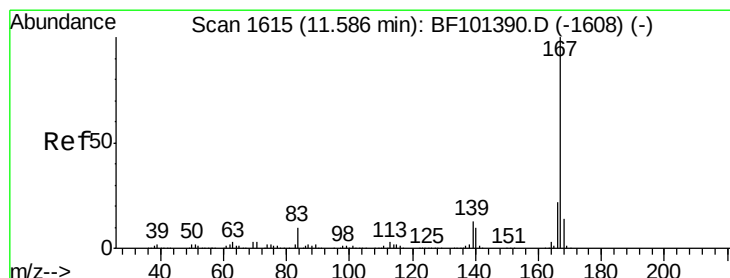
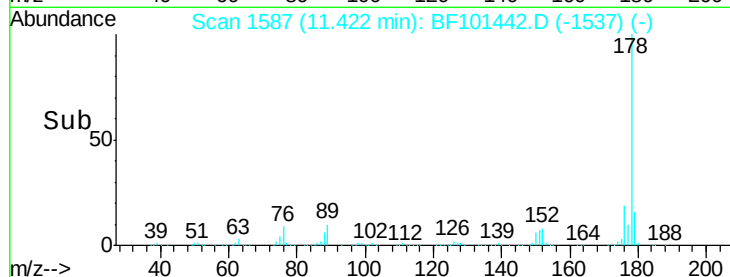
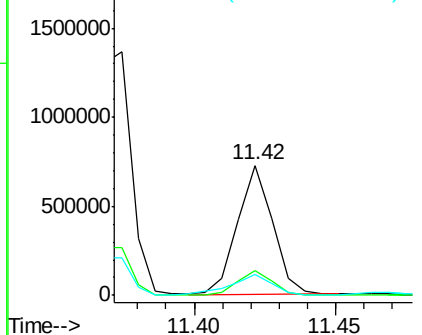
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.8	12.6	19.0

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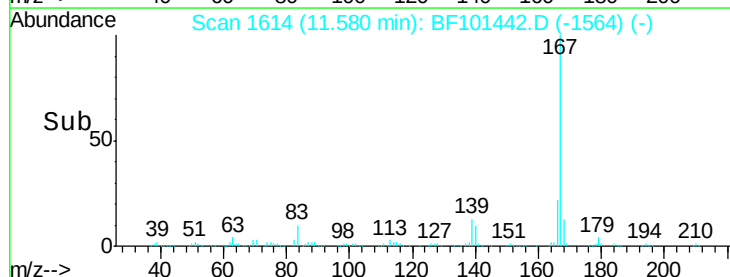
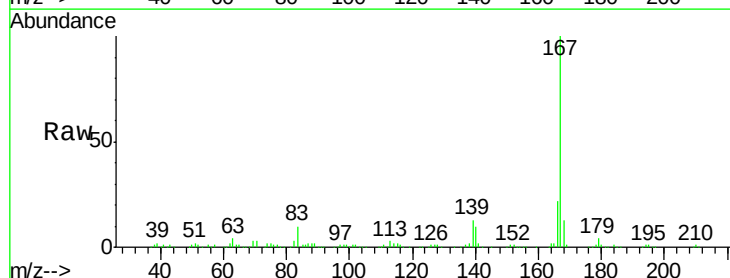
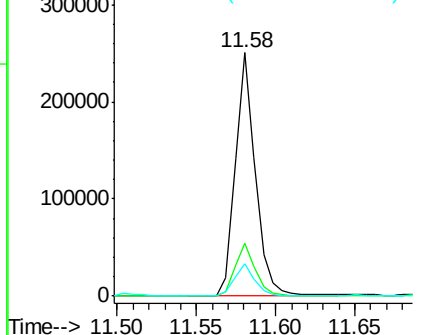
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

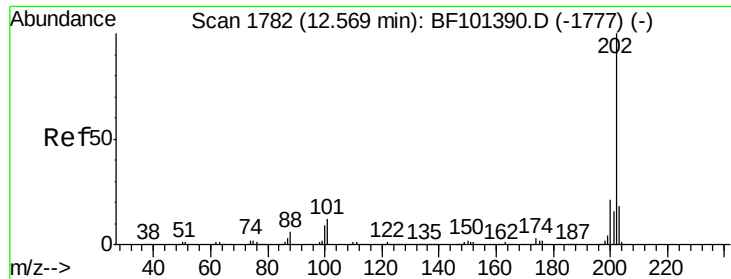


#72
 Carbazole
 Concen: 6.524 ng
 RT: 11.58 min Scan# 1614
 Delta R.T. -0.01 min
 Lab File: BF101442.D
 Acq: 15 Dec 2017 14:57

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.6	26.4
139	13.4	10.9	16.3

Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 33.634 ng

RT: 12.56 min Scan# 1781

Delta R.T. -0.01 min

Lab File: BF101442.D

Acq: 15 Dec 2017 14:57

Instrument :

BNA_F

ClientSampleId :

WC-04-02

Tgt Ion: 202 Resp: 1253719

Ion Ratio Lower Upper

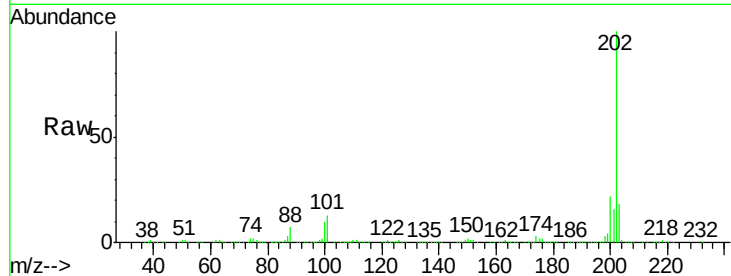
202 100

101 13.1 0.0 34.1

203 18.0 0.0 38.1

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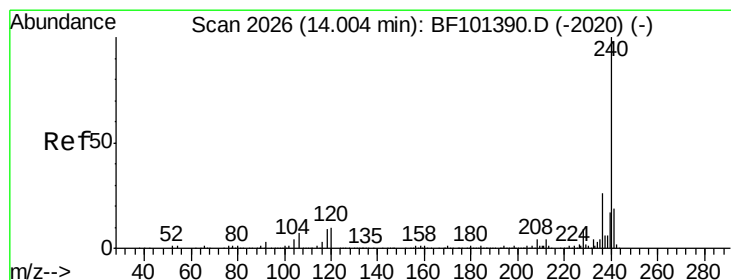
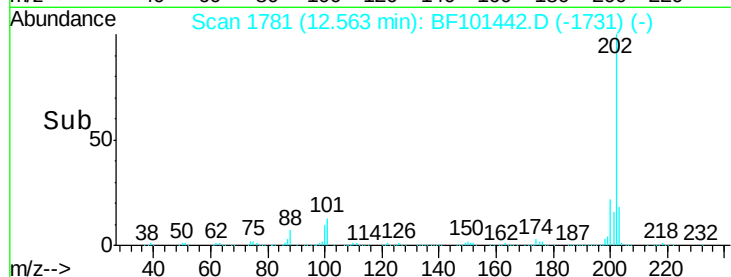
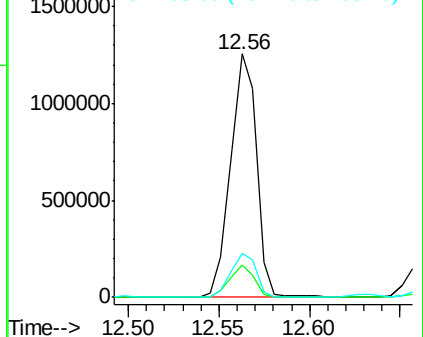
Sohil
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Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF101442.D

Acq: 15 Dec 2017 14:57

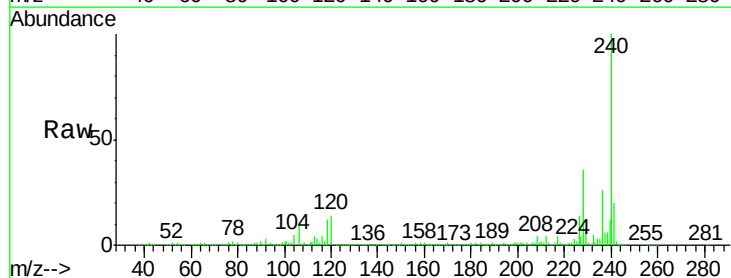
Tgt Ion: 240 Resp: 442390

Ion Ratio Lower Upper

240 100

120 13.9 9.5 14.3

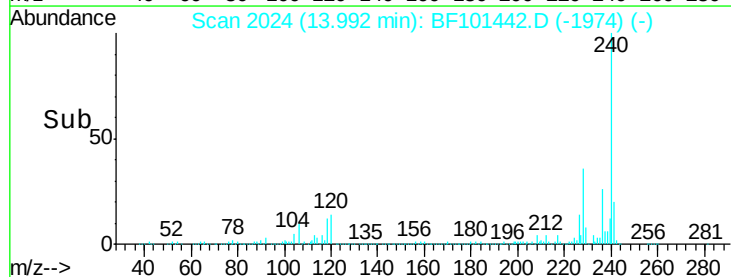
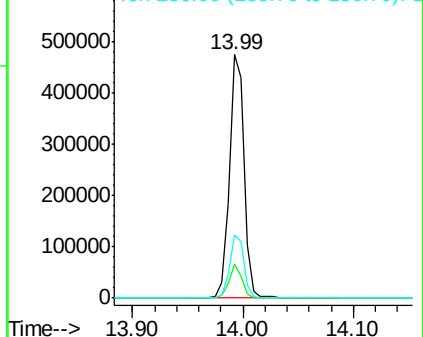
236 25.8 20.7 31.1

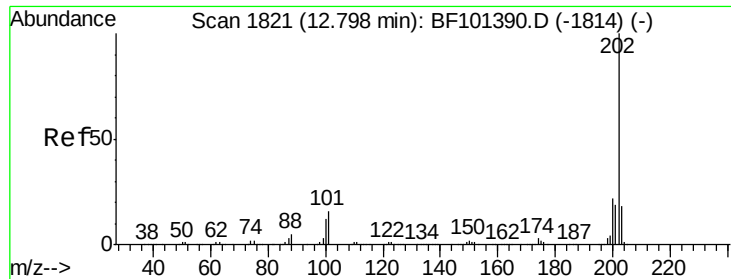


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





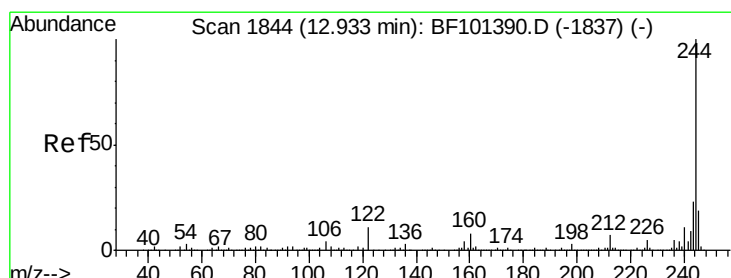
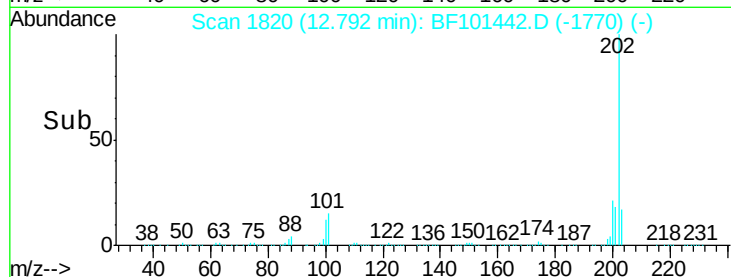
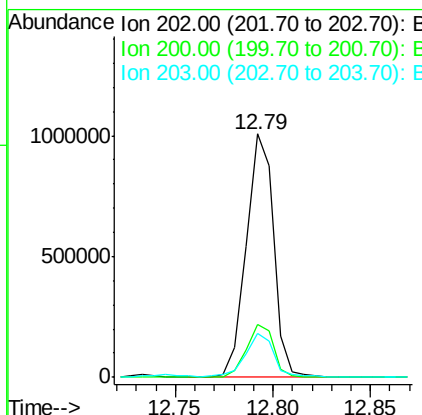
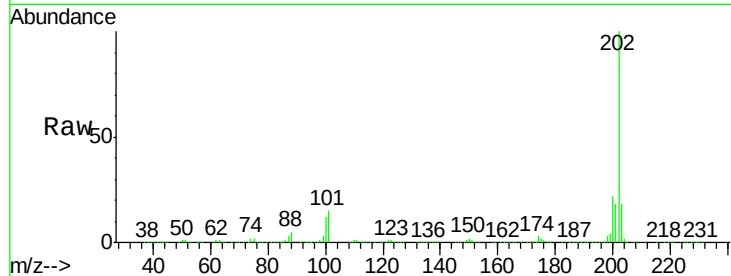
#77
 Pyrene
 Concen: 29.437 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF101442.D
 Acq: 15 Dec 2017 14:57

Instrument :
 BNA_F
 ClientSampleId :
 WC-04-02

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.5	17.4	26.2
203	18.0	14.3	21.5

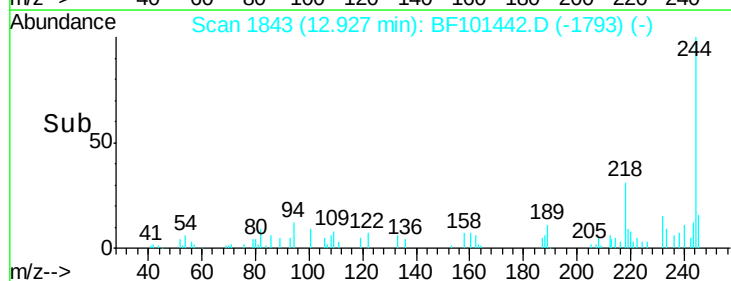
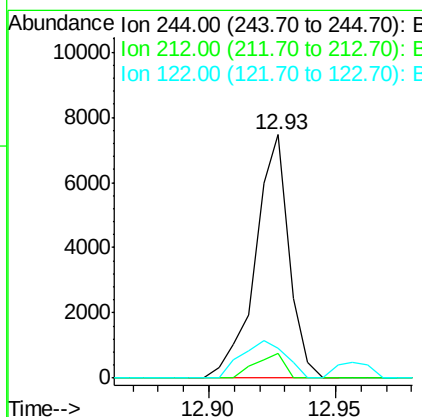
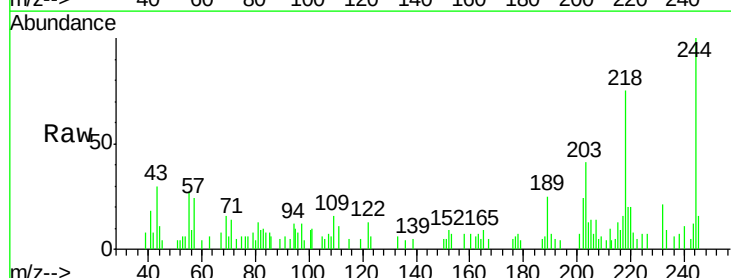
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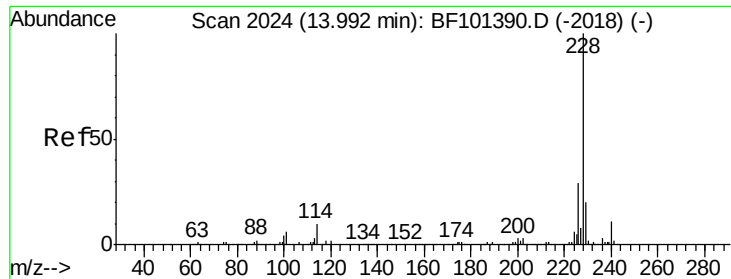
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 12/15/2017 7:50:48 PM



#78
 Terphenyl-d14
 Concen: 0.379 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: BF101442.D
 Acq: 15 Dec 2017 14:57

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	10.3	5.4	8.0#
122	12.5	11.0	16.4





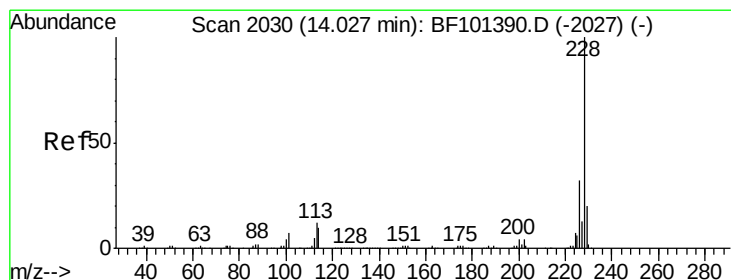
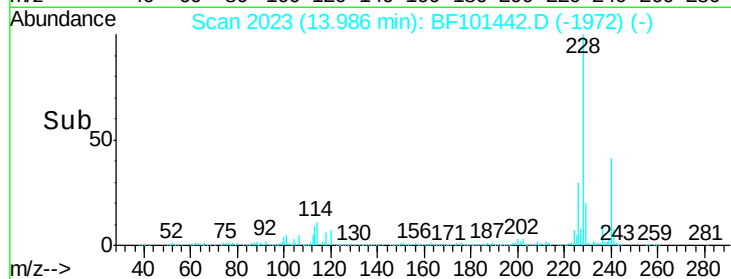
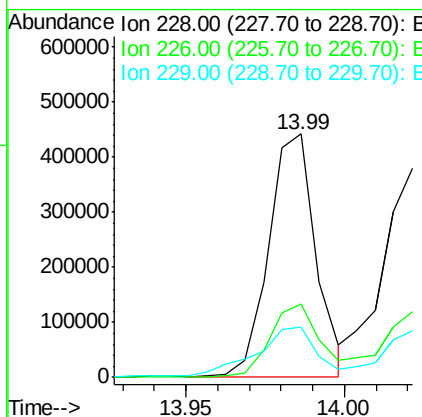
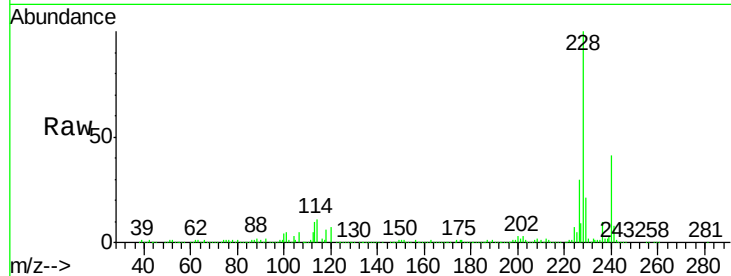
#80
Benzo(a)anthracene
Concen: 15.610 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.00 min
Lab File: BF101442.D
Acq: 15 Dec 2017 14:57

Instrument :
BNA_F
ClientSampleId :
WC-04-02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	22.6	33.8
229	20.6	15.8	23.6

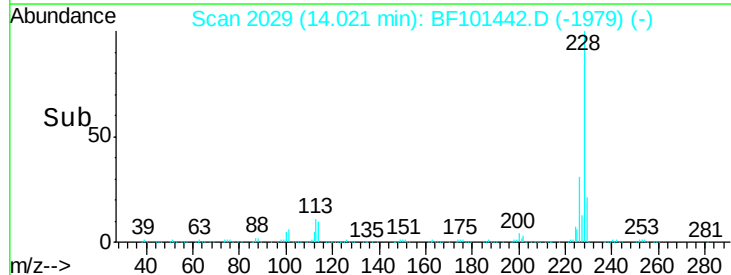
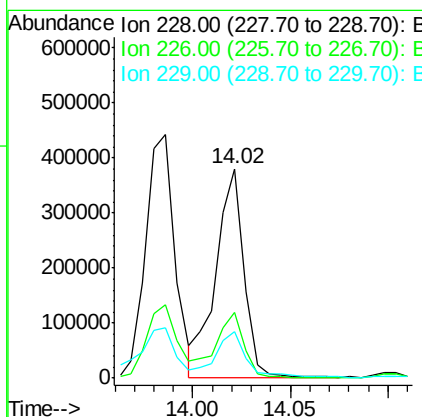
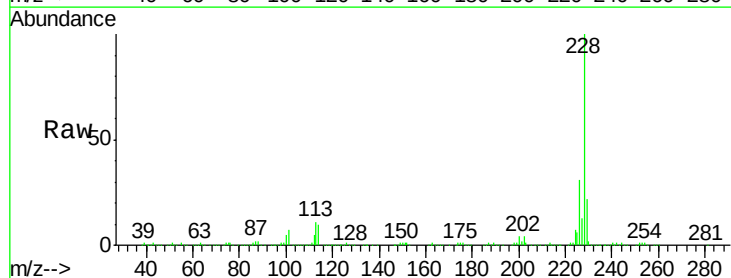
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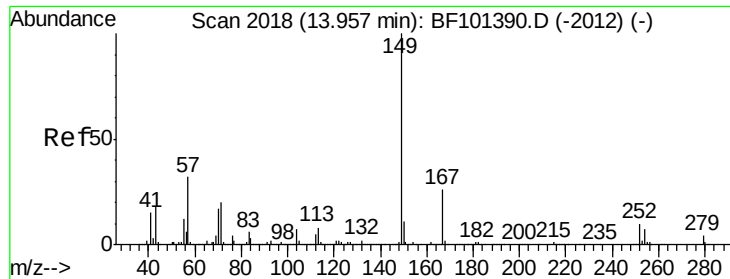
Sohil
12/15/2017 7:50:48 PM



#82
Chrysene
Concen: 13.729 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF101442.D
Acq: 15 Dec 2017 14:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	22.1	16.2	24.4





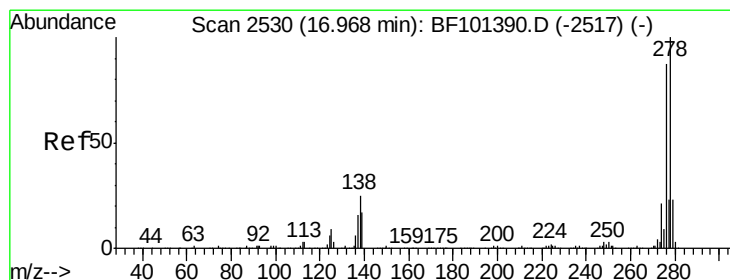
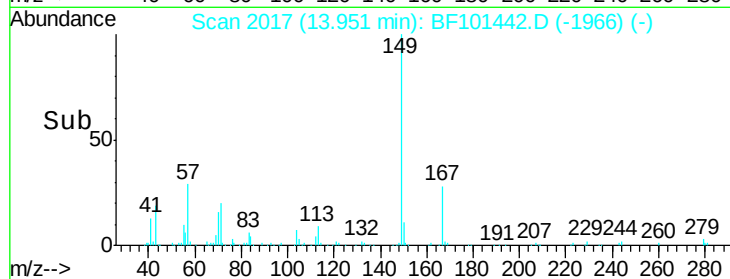
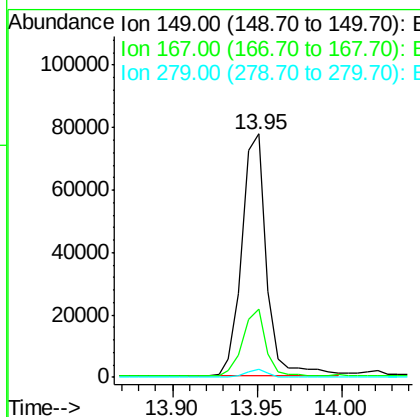
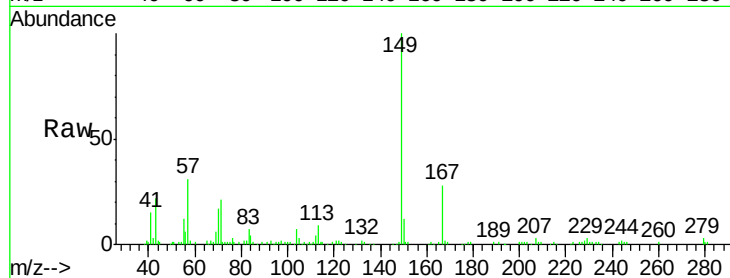
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.165 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. 0.00 min
 Lab File: BF101442.D
 Acq: 15 Dec 2017 14:57

Instrument :
 BNA_F
 ClientSampleId :
 WC-04-02

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	79243		
167	28.3	21.3	31.9	
279	3.3	3.0	4.4	

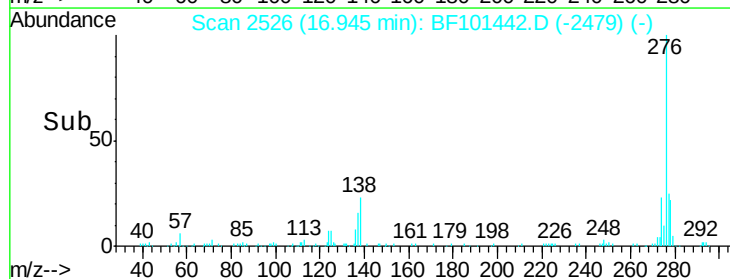
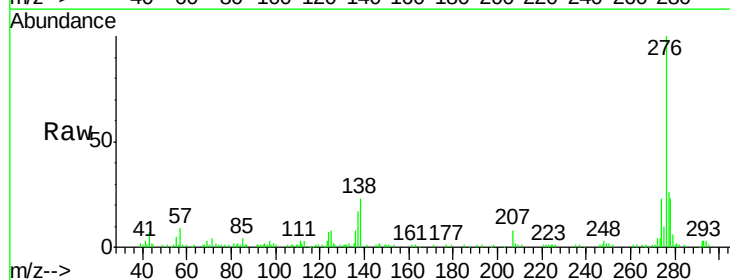
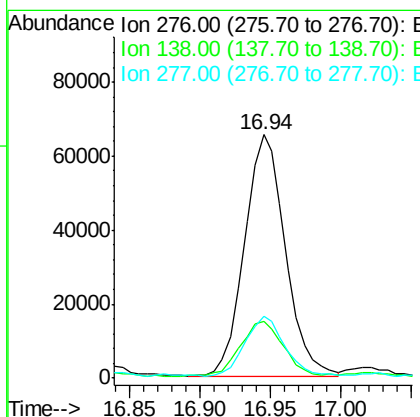
Manual Integrations
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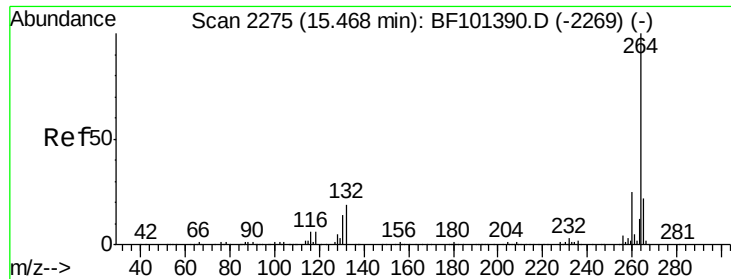
Sohil
 12/15/2017 7:50:48 PM



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.382 ng
 RT: 16.94 min Scan# 2526
 Delta R.T. -0.02 min
 Lab File: BF101442.D
 Acq: 15 Dec 2017 14:57

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	132196		
138	23.9	25.0	37.6#	
277	23.9	20.1	30.1	





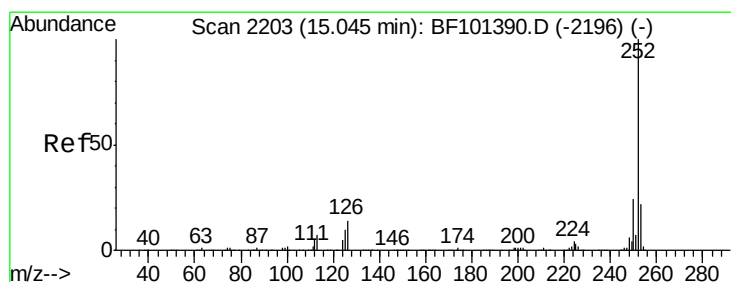
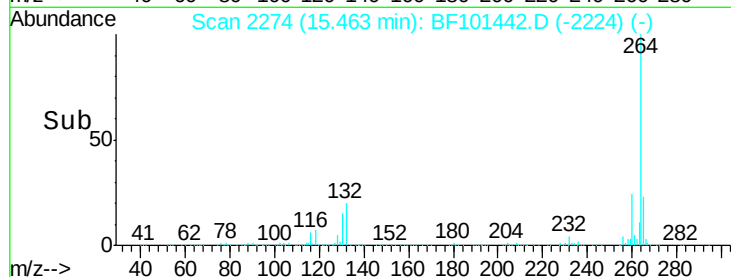
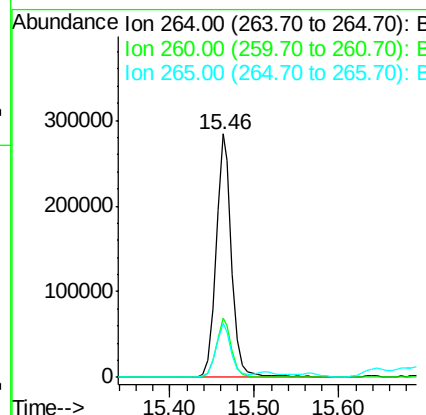
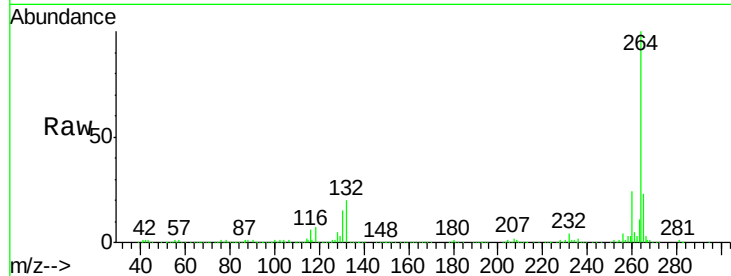
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF101442.D
Acq: 15 Dec 2017 14:57

Instrument :
BNA_F
ClientSampleId :
WC-04-02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.5	17.5	26.3

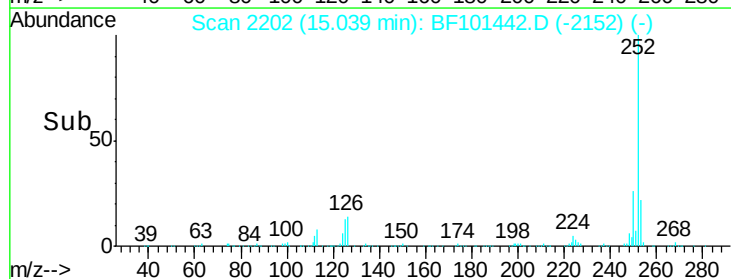
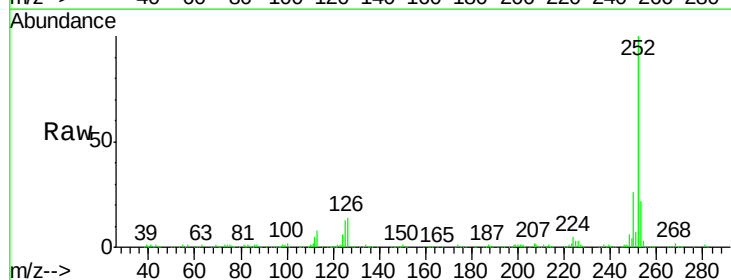
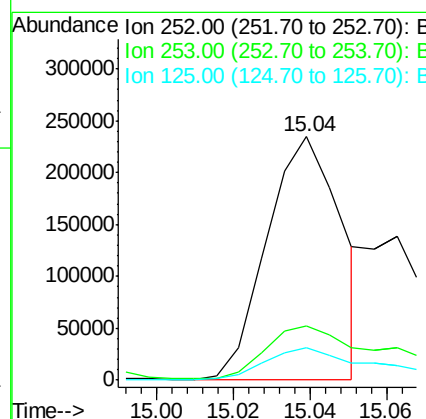
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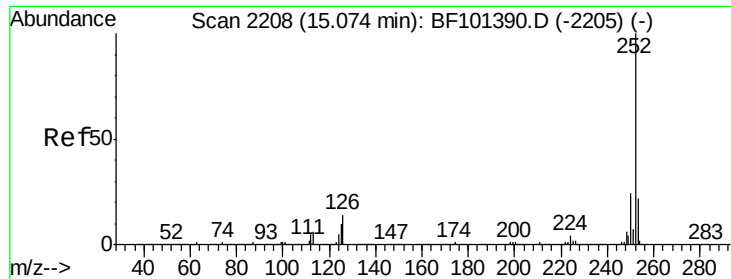
Sohil
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#87
Benzo(b)fluoranthene
Concen: 14.254 ng m
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF101442.D
Acq: 15 Dec 2017 14:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	13.2	9.0	13.6





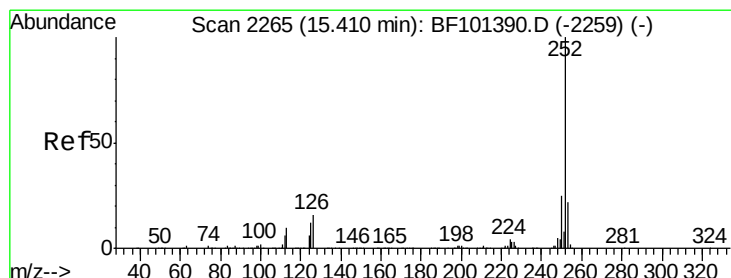
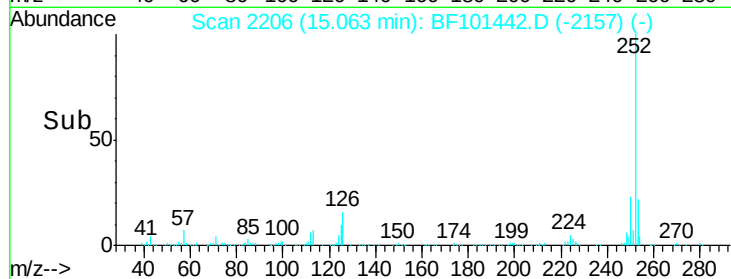
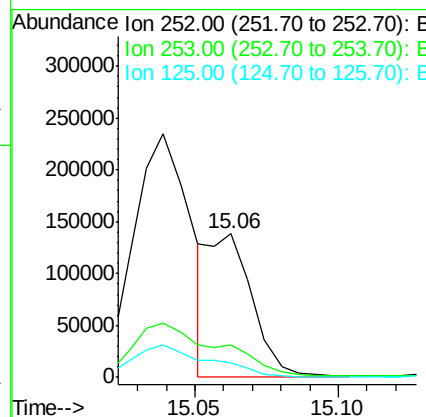
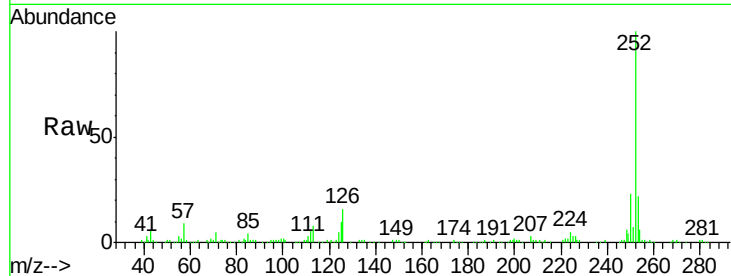
#88
Benzo(k)fluoranthene
Concen: 6.765 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF101442.D
Acq: 15 Dec 2017 14:57

Instrument :
BNA_F
ClientSampleId :
WC-04-02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.9	26.9
125	10.5	10.2	15.2

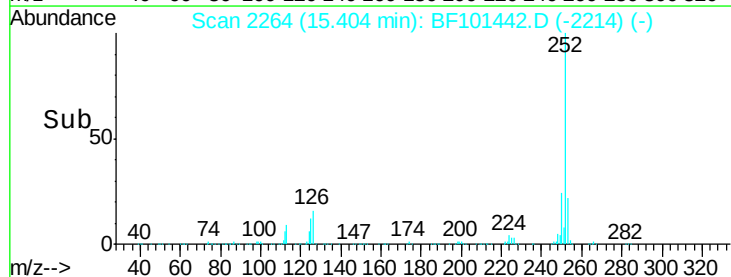
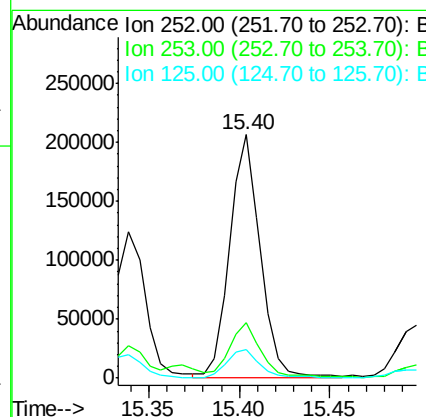
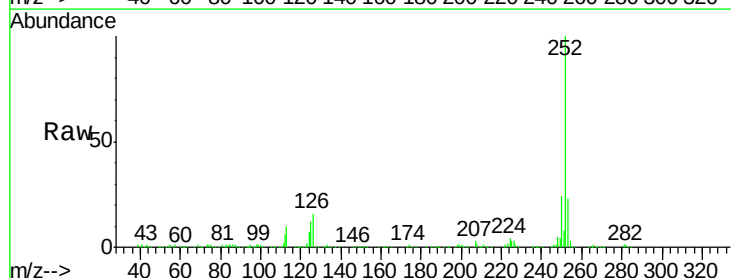
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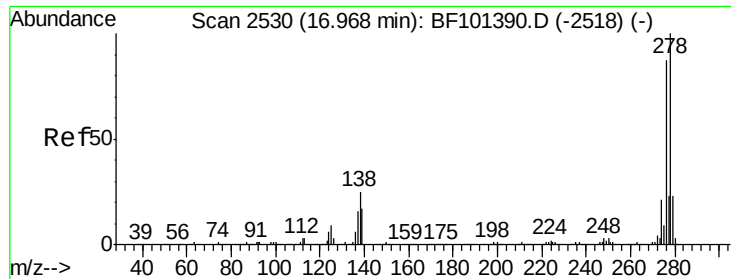
Sohil
12/15/2017 7:50:48 PM



#89
Benzo(a)pyrene
Concen: 11.601 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.01 min
Lab File: BF101442.D
Acq: 15 Dec 2017 14:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.1	25.7
125	11.9	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 2.082 ng

RT: 16.95 min Scan# 2527

Delta R.T. -0.01 min

Lab File: BF101442.D

Acq: 15 Dec 2017 14:57

Instrument :

BNA_F

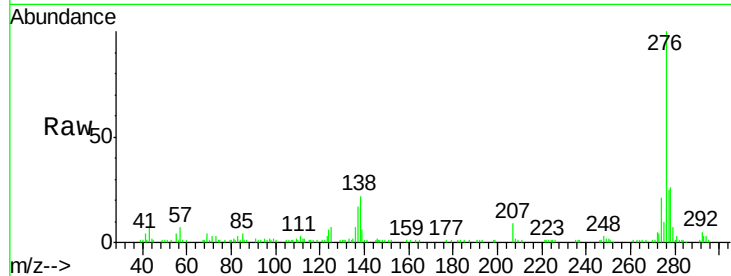
ClientSampleId :

WC-04-02

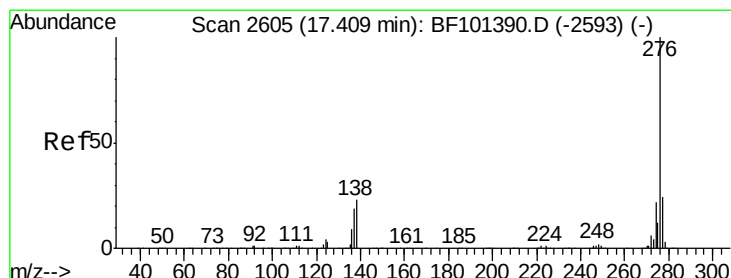
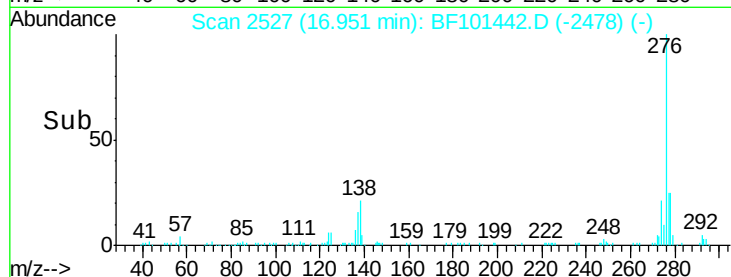
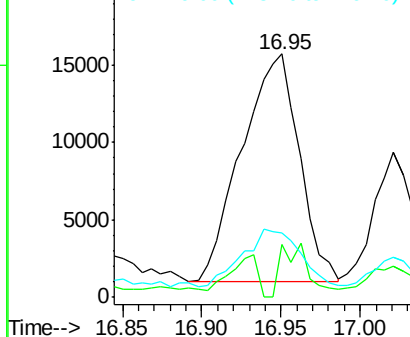
Tgt Ion:	278	Resp:	36867
Ion Ratio	Lower	Upper	
278	100		
139	22.0	15.9	23.9
279	26.5	19.0	28.4

Manual Integrations
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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 6.253 ng

RT: 17.40 min Scan# 2603

Delta R.T. -0.01 min

Lab File: BF101442.D

Acq: 15 Dec 2017 14:57

Tgt Ion:	276	Resp:	109638
Ion Ratio	Lower	Upper	
276	100		
277	23.7	17.9	26.9
138	25.9	21.8	32.8

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

