

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121417\
 Data File : BF101411.D
 Acq On : 14 Dec 2017 23:24
 Operator : SJ/JU
 Sample : I6845-01 100X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-10257-01

Manual Integrations
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Sohil
 12/15/2017 6:44:39 PM

Quant Time: Dec 15 02:21:15 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 14 15:42:32 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	186158	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	734888	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	336104	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	620423	20.00	ng	0.00
75) Chrysene-d12	13.99	240	407629	20.00	ng	-0.01
86) Perylene-d12	15.46	264	349522	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	6.47	99	1716	0.11	ng	0.02
23) Nitrobenzene-d5	7.40	82	1055	0.08	ng	0.02
41) 2,4,6-Tribromophenol	10.66	330	284	0.09	ng	0.01
44) 2-Fluorobiphenyl	9.17	172	2100	0.10	ng	0.00
78) Terphenyl-d14	12.92	244	2951	0.17	ng	-0.01
Target Compounds						
10) Phenol	6.49	94	35985	2.030	ng	97
20) 3+4-Methylphenols	7.25	107	44867	3.501	ng	85
31) Naphthalene	8.13	128	2697833	72.920	ng	99
37) 2-Methylnaphthalene	8.81	142	511792	21.232	ng	99
45) 1,1'-Biphenyl	9.27	154	134553	4.514	ng	97
48) Acenaphthylene	9.72	152	634503	17.614	ng	99
51) Acenaphthene	9.89	154	56535	2.612	ng	95
54) Dibenzofuran	10.06	168	429644	15.621	ng	98
57) Fluorene	10.40	166	510574	21.944	ng	98
70) Phenanthrene	11.37	178	1400962	40.604	ng	98
71) Anthracene	11.42	178	662437	18.796	ng	100
72) Carbazole	11.58	167	218741	6.629	ng	98
74) Fluoranthene	12.56	202	995258	27.482	ng	98
77) Pyrene	12.79	202	764613	24.994	ng	99
80) Benzo(a)anthracene	13.98	228	330683	12.286	ng	96
82) Chrysene	14.02	228	271349	10.677	ng	98
85) Indeno(1,2,3-cd)pyrene	16.94	276	85157	3.763	ng	# 91
87) Benzo(b)fluoranthene	15.03	252	227275m	10.668	ng	
88) Benzo(k)fluoranthene	15.06	252	87774m	4.238	ng	
89) Benzo(a)pyrene	15.40	252	177285	9.027	ng	99
91) Benzo(g,h,i)perylene	17.39	276	70924	4.248	ng	99

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

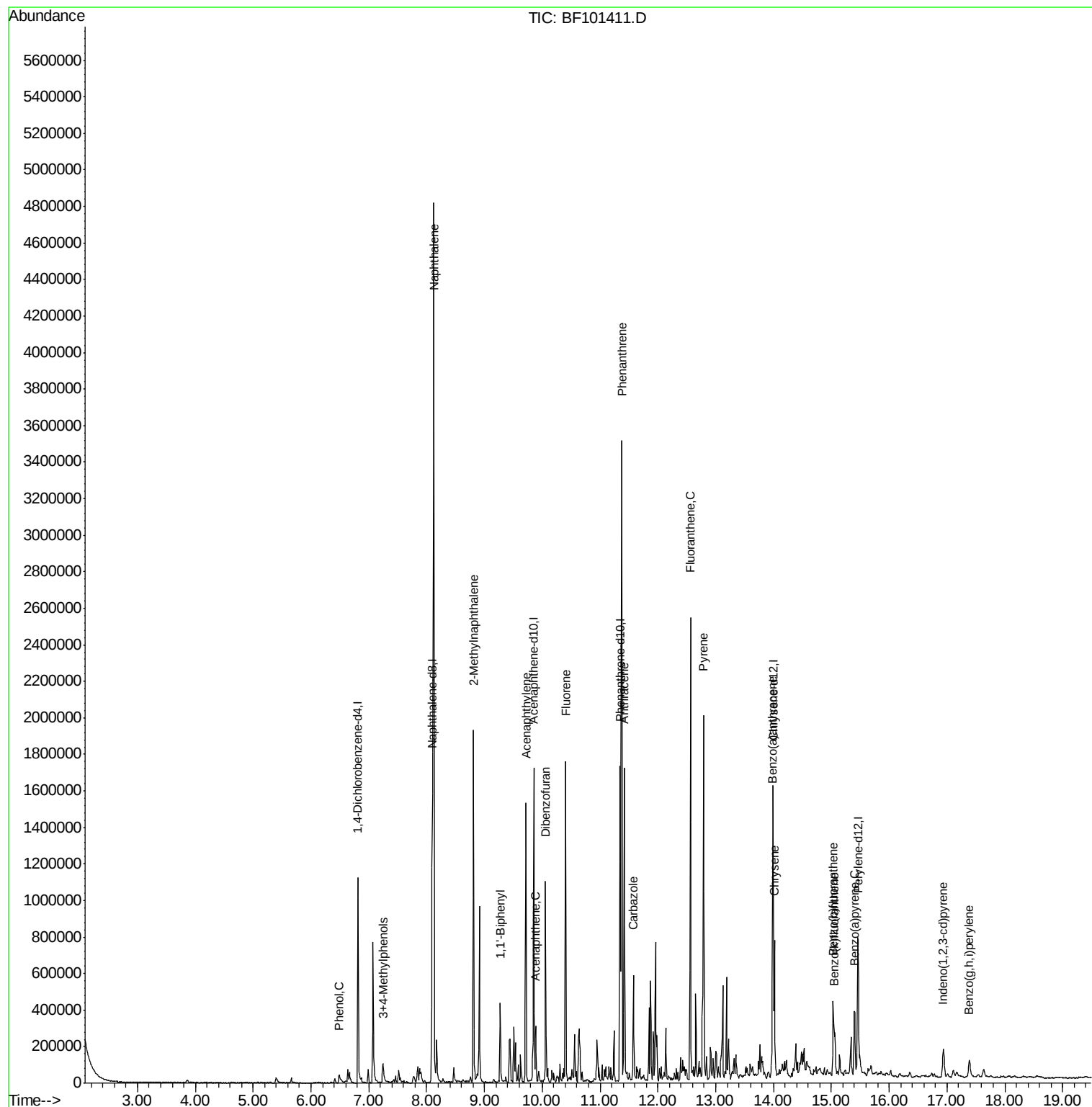
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121417\
Data File : BF101411.D
Acq On : 14 Dec 2017 23:24
Operator : SJ/JU
Sample : I6845-01 100X
Misc :
ALS Vial : 16 Sample Multiplier: 1

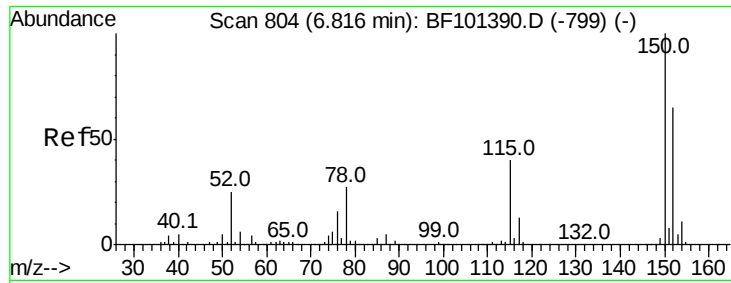
Instrument :
BNA_F
ClientSampleId :
WC-10257-01

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Quant Time: Dec 15 02:21:15 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 14 15:42:32 2017
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#1

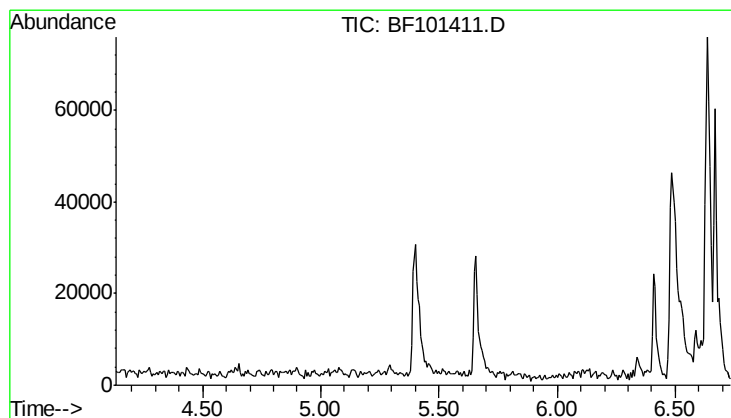
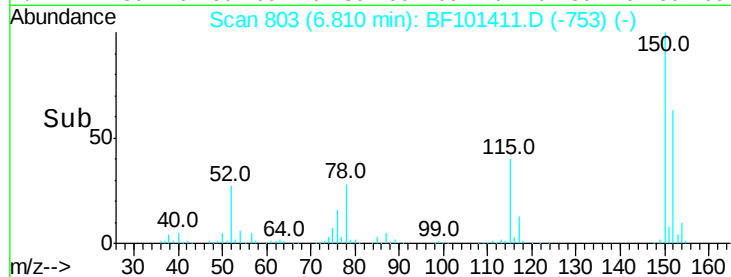
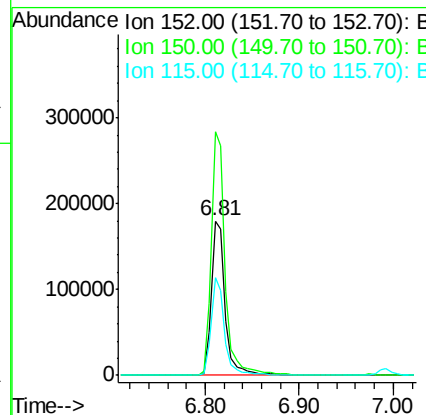
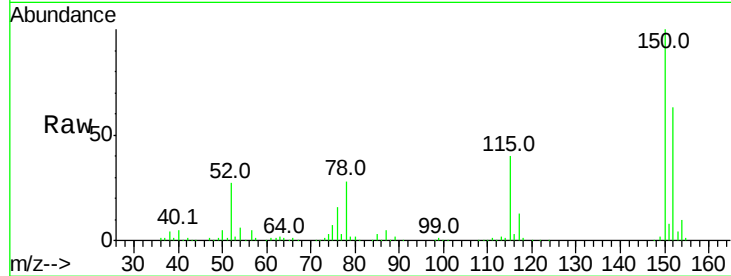
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Instrument :
BNA_F
ClientSampleId :
WC-10257-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	124.6	186.8
115	62.9	50.1	75.1

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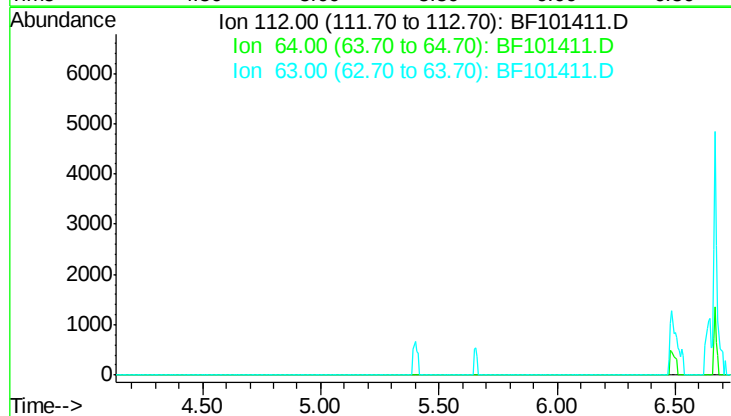


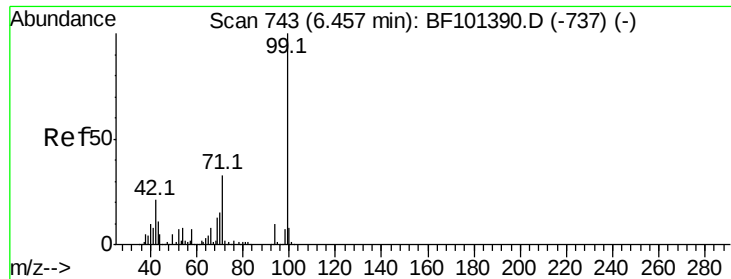
#5

2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.43 min

Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Tgt Ion	Exp Ratio
112	100
64	59.9
63	29.6





#7

Phenol-d6

Concen: 0.110 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.02 min

Lab File: BF101411.D

Acq: 14 Dec 2017 23:24

Instrument :

BNA_F

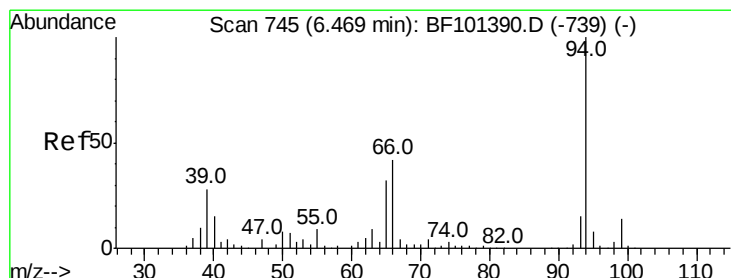
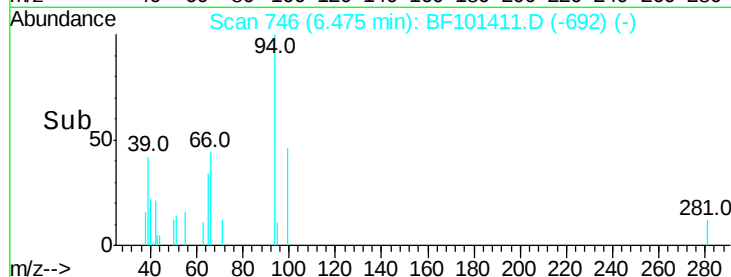
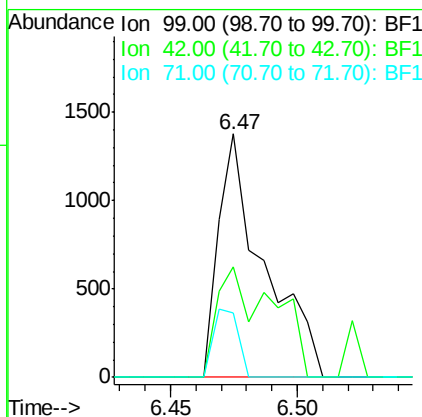
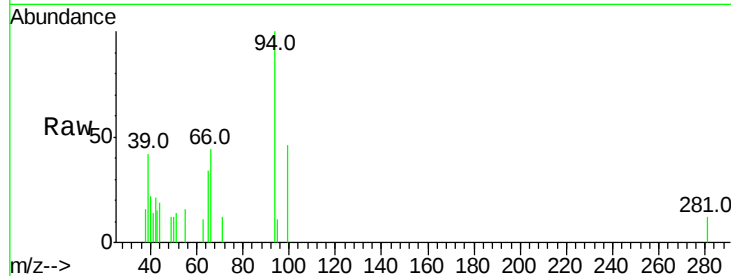
ClientSampleId :

WC-10257-01

Tot Ion:	99	Resp:	1716
Ion Ratio	Lower	Upper	
99	100		
42	45.6	14.5	21.7#
71	26.3	25.4	38.0

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#10

Phenol

Concen: 2.030 ng

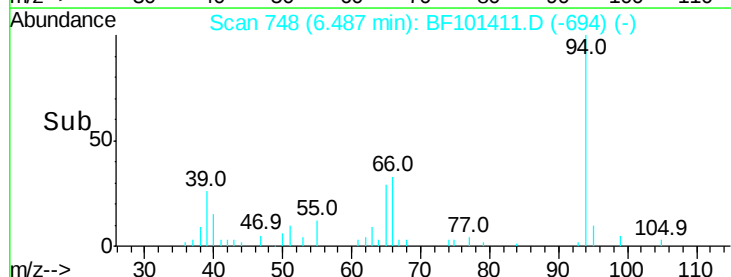
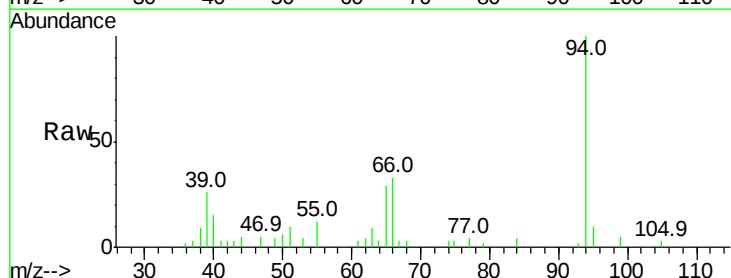
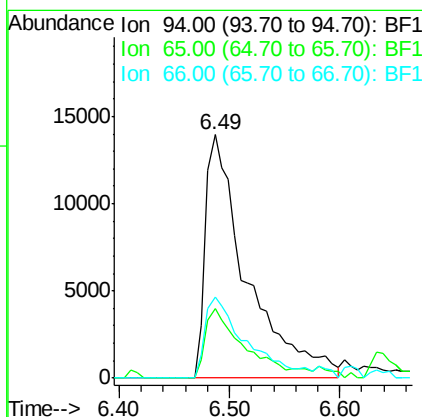
RT: 6.49 min Scan# 748

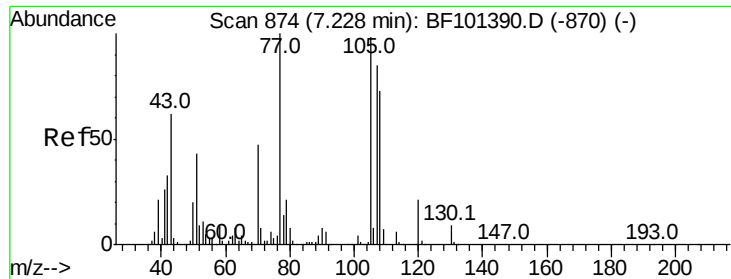
Delta R.T. 0.02 min

Lab File: BF101411.D

Acq: 14 Dec 2017 23:24

Tgt Ion:	94	Resp:	35985
Ion Ratio	Lower	Upper	
94	100		
65	28.7	7.9	47.9
66	33.4	16.2	56.2





#20

3+4-Methylphenols

Concen: 3.501 ng

RT: 7.25 min Scan# 877

Delta R.T. 0.02 min

Lab File: BF101411.D

Acq: 14 Dec 2017 23:24

Instrument :

BNA_F

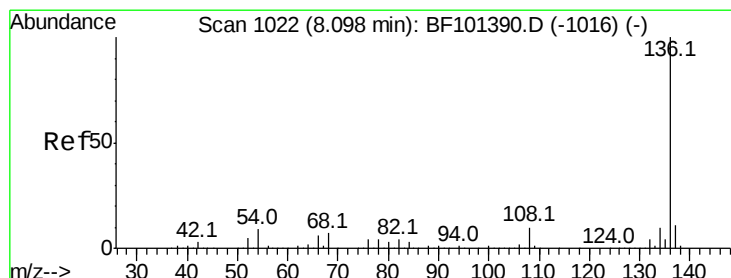
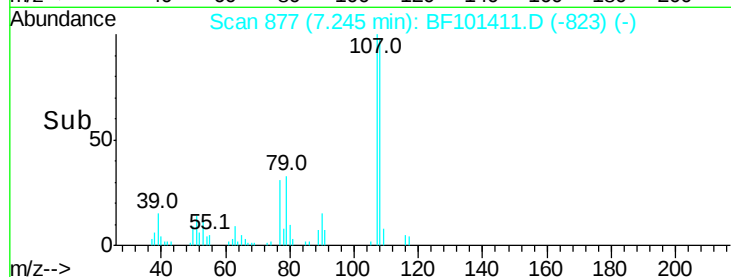
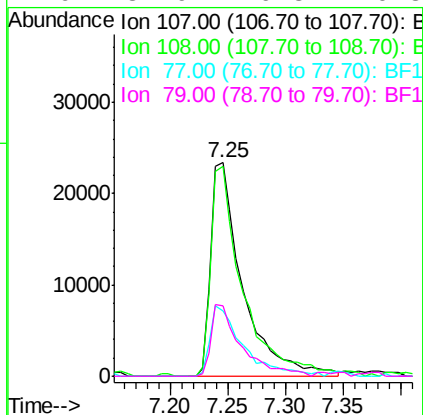
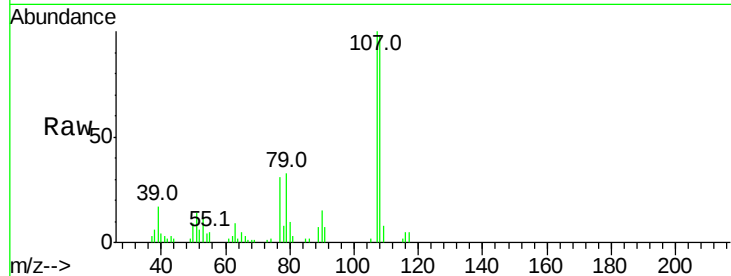
ClientSampleId :

WC-10257-01

Tot Ion:	107	Resp:	44867
Ion	Ratio	Lower	Upper
107	100		
108	98.4	68.2	108.2
77	30.5	26.7	66.7
79	32.9	6.3	46.3

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#21

Naphthalene-d8

Concen: 20.000 ng

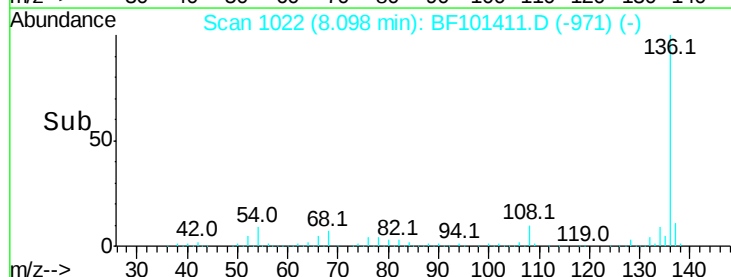
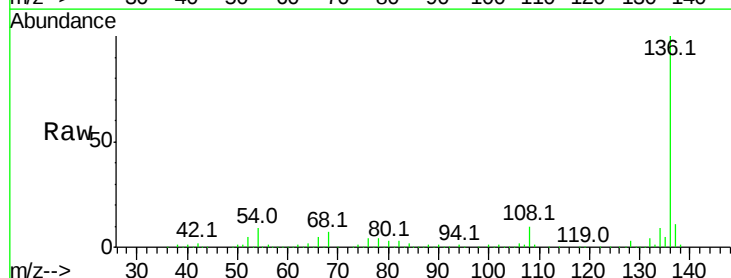
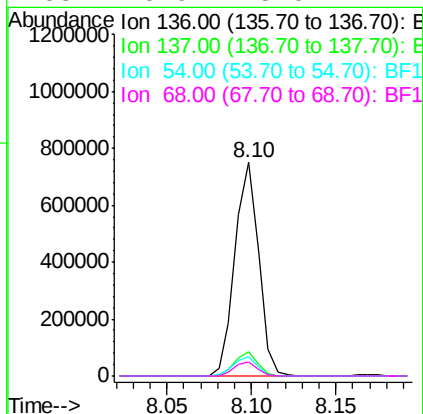
RT: 8.10 min Scan# 1022

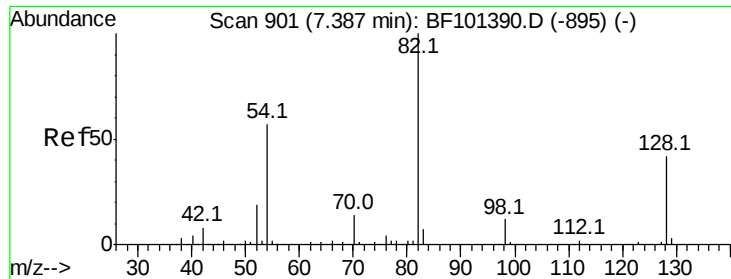
Delta R.T. -0.00 min

Lab File: BF101411.D

Acq: 14 Dec 2017 23:24

Tgt Ion:	136	Resp:	734888
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	9.0	6.6	9.8
68	6.9	5.0	7.4





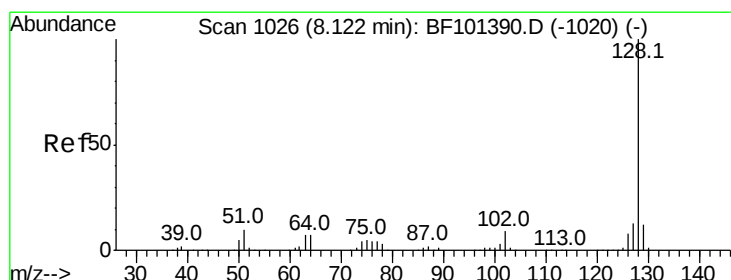
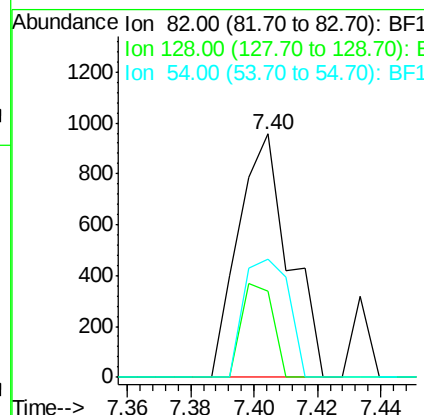
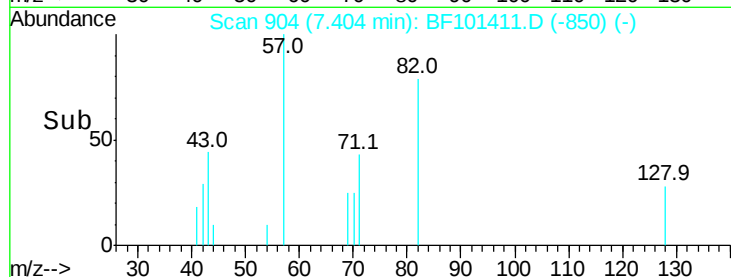
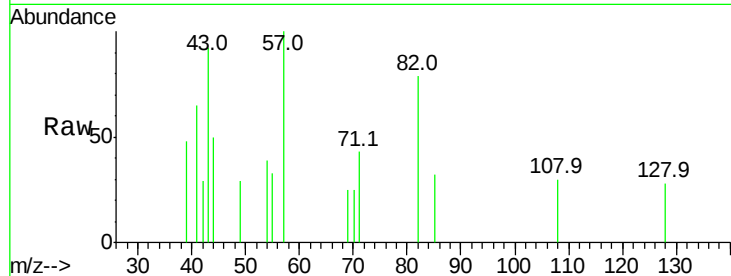
#23
Nitrobenzene-d5
Concen: 0.080 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.02 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Instrument :
BNA_F
ClientSampleId :
WC-10257-01

Tot Ion	Ratio	Lower	Upper
82	100		
128	35.4	36.1	54.1#
54	48.7	41.4	62.2

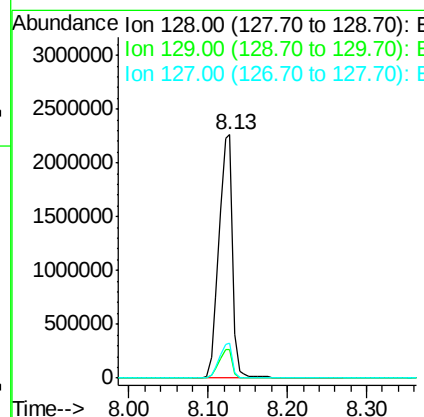
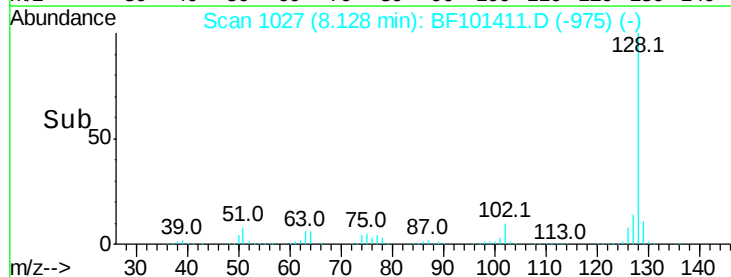
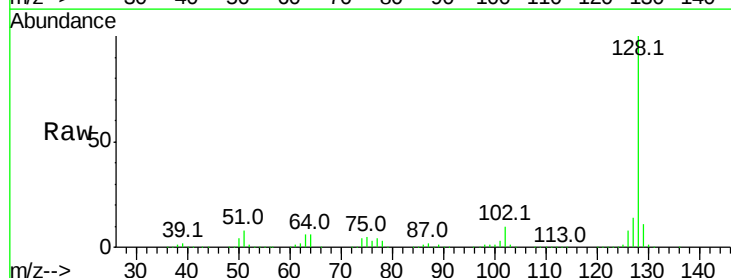
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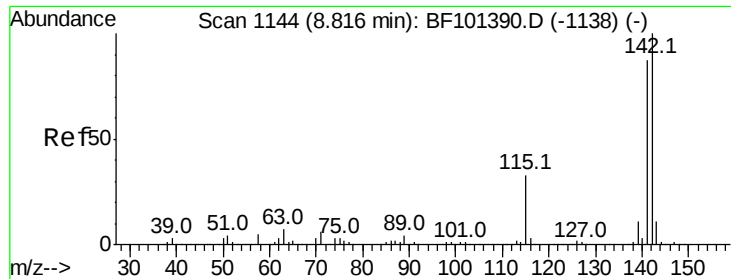
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#31
Naphthalene
Concen: 72.920 ng
RT: 8.13 min Scan# 1027
Delta R.T. 0.01 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.8	13.2
127	14.2	10.9	16.3





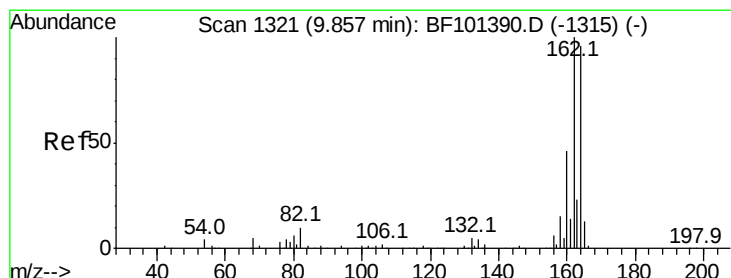
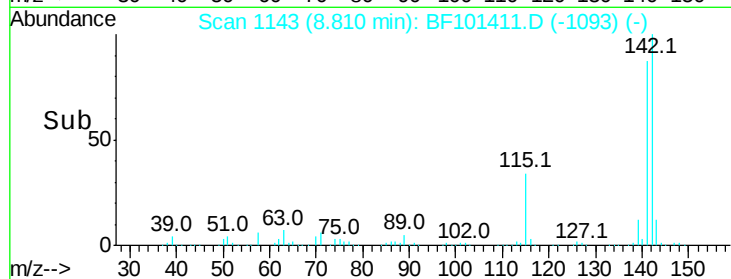
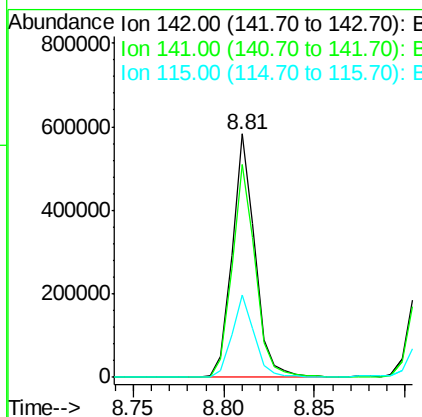
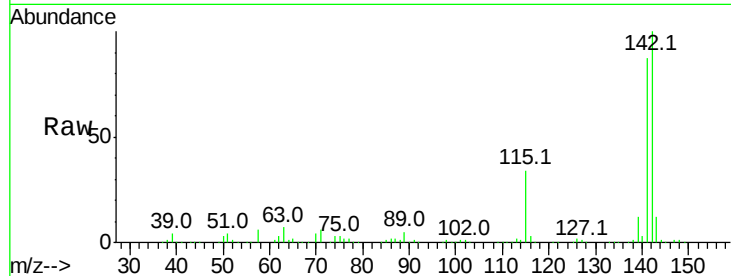
#37
2-Methylnaphthalene
Concen: 21.232 ng
RT: 8.81 min Scan# 1143
Delta R.T. -0.01 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Instrument :
BNA_F
ClientSampleId :
WC-10257-01

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.3	70.8	106.2
115	33.6	26.1	39.1

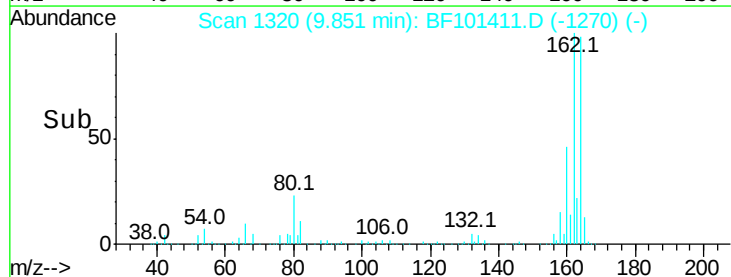
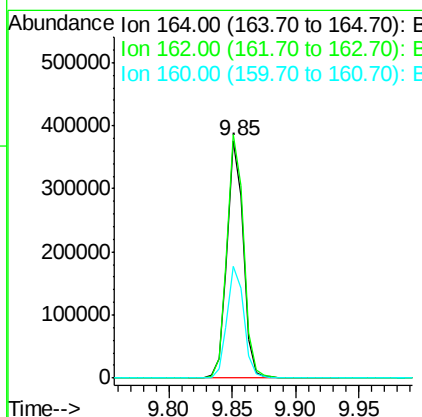
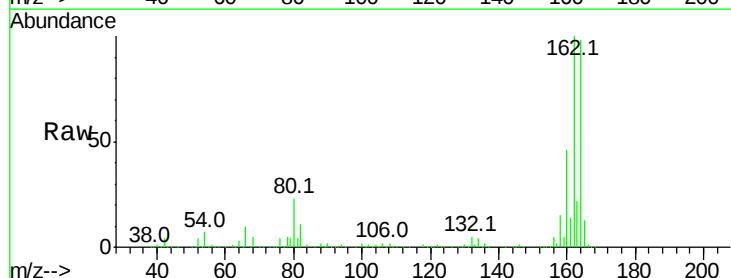
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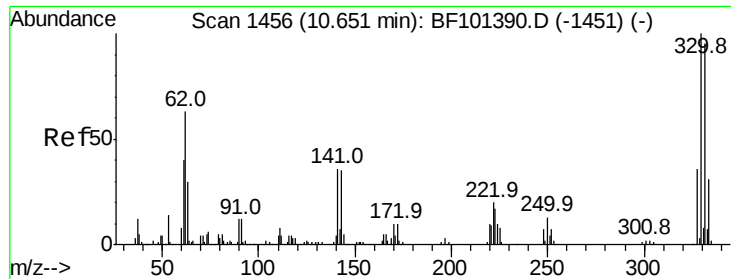
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.4	86.1	129.1
160	47.2	38.3	57.5





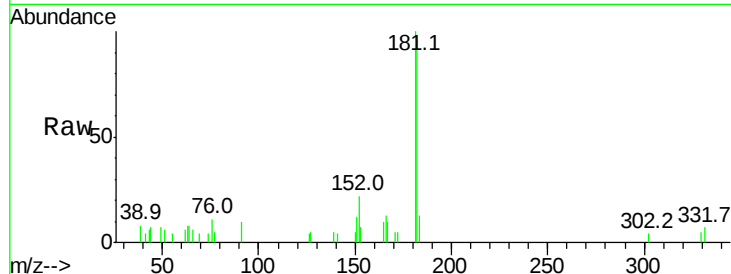
#41
 2,4,6-Tribromophenol
 Concen: 0.088 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: BF101411.D
 Acq: 14 Dec 2017 23:24

Instrument :
 BNA_F
 ClientSampleId :
 WC-10257-01

Tot Ion	Ratio	Lower	Upper
330	100		
332	105.6	77.0	115.6
141	92.3	29.9	44.9

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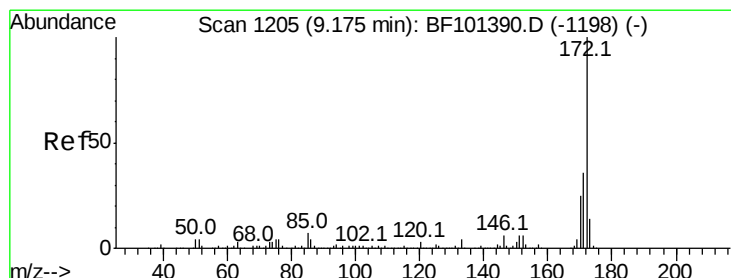
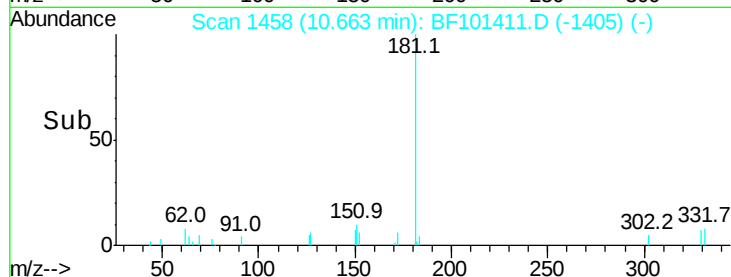
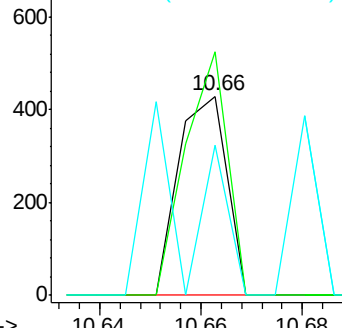


Abundance

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: 0.097 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: BF101411.D
 Acq: 14 Dec 2017 23:24

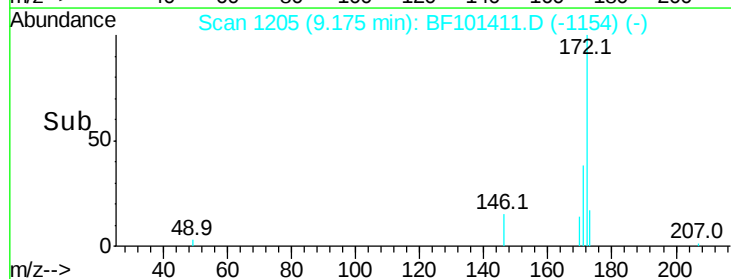
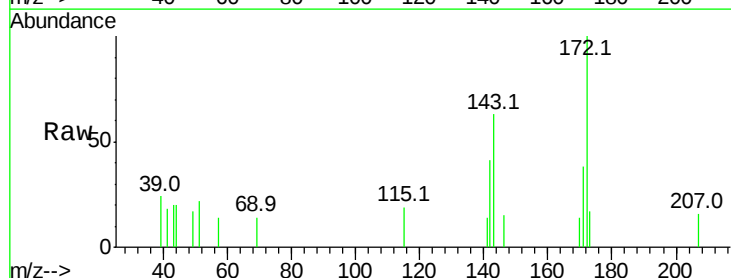
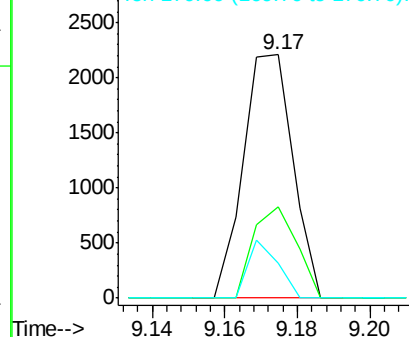
Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.5	29.7	44.5
170	14.3	19.6	29.4

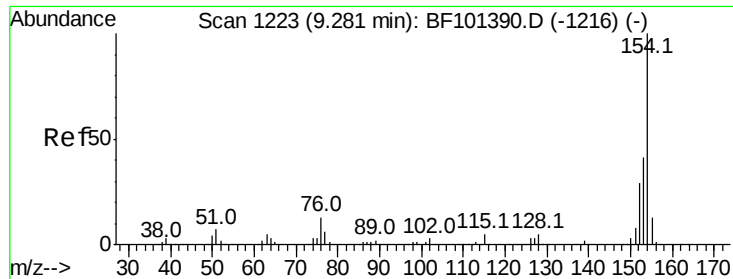
Abundance

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





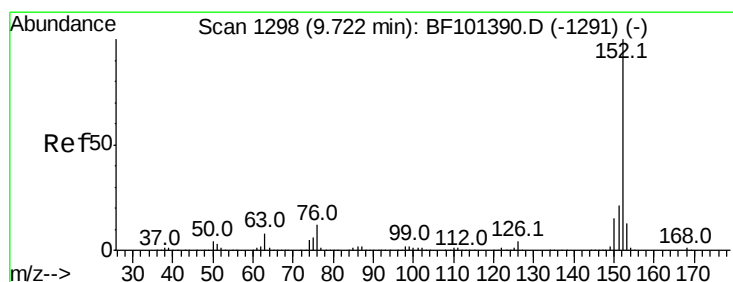
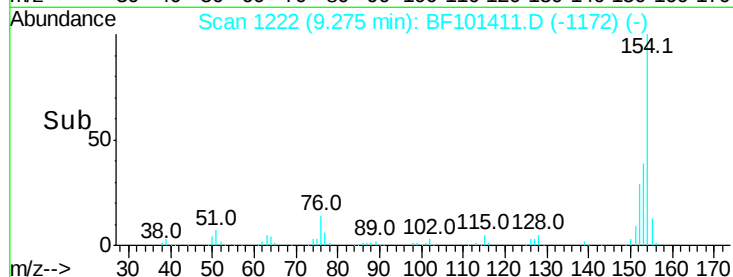
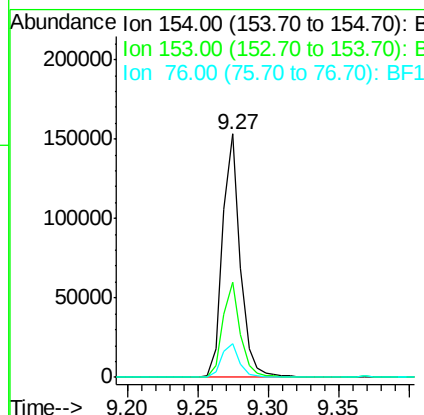
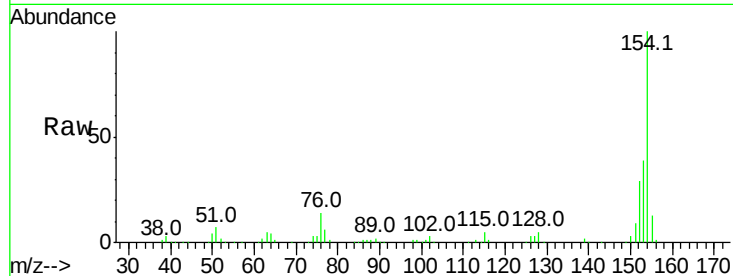
#45
1,1'-Biphenyl
Concen: 4.514 ng
RT: 9.27 min Scan# 1222
Delta R.T. -0.01 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Instrument :
BNA_F
ClientSampleId :
WC-10257-01

Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	39.0	21.3	61.3	
76	14.0	0.0	34.0	

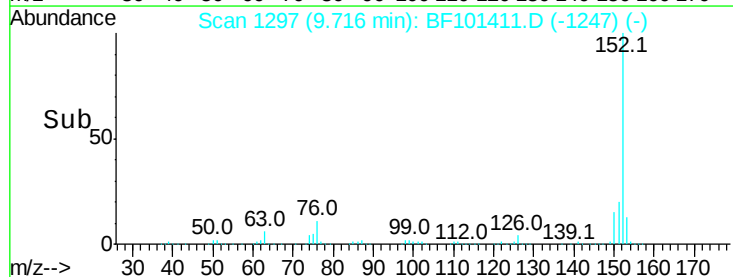
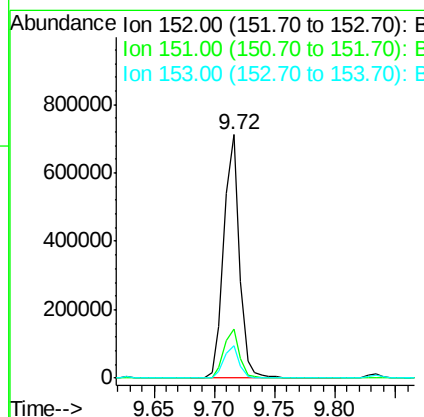
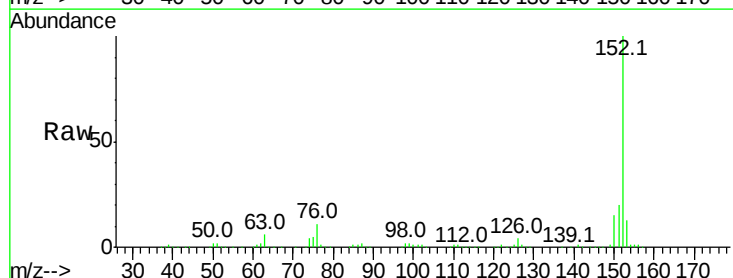
Manual Integrations
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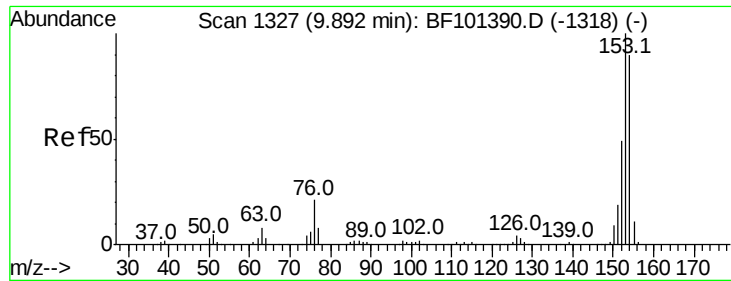
Sohil
12/15/2017 6:44:39 PM



#48
Acenaphthylene
Concen: 17.614 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Tgt Ion	Ratio	Resp	Lower	Upper
152	100			
151	20.0	16.3	24.5	
153	13.4	10.7	16.1	





#51

Acenaphthene

Concen: 2.612 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF101411.D

Acq: 14 Dec 2017 23:24

Instrument :

BNA_F

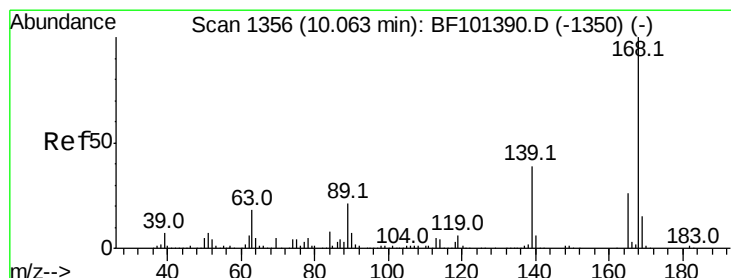
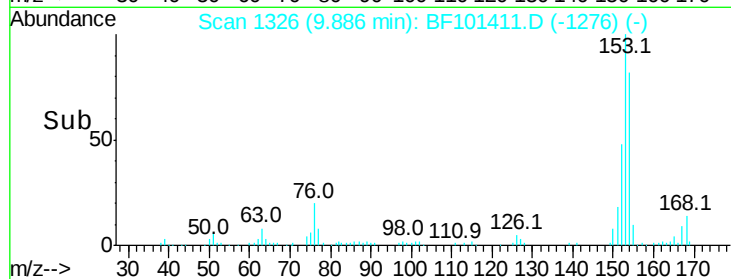
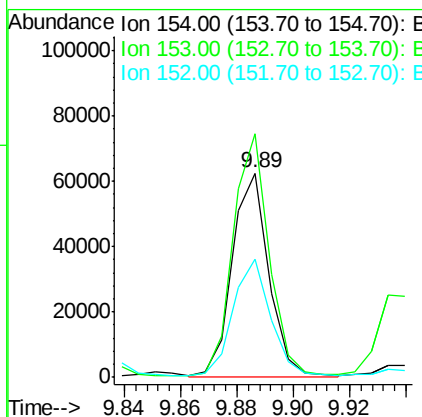
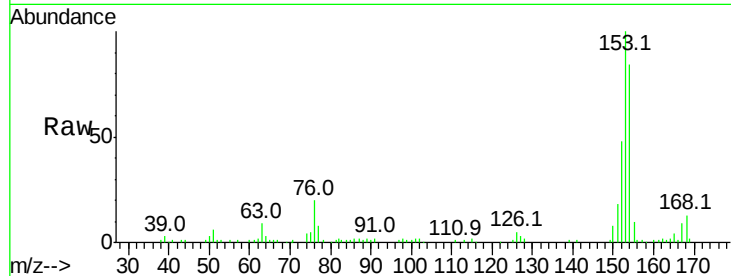
ClientSampled :

WC-10257-01

Tot Ion:	154	Resp:	56535
Ion Ratio	Lower	Upper	
154	100		
153	119.2	91.2	136.8
152	57.8	43.8	65.8

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#54

Dibenzofuran

Concen: 15.621 ng

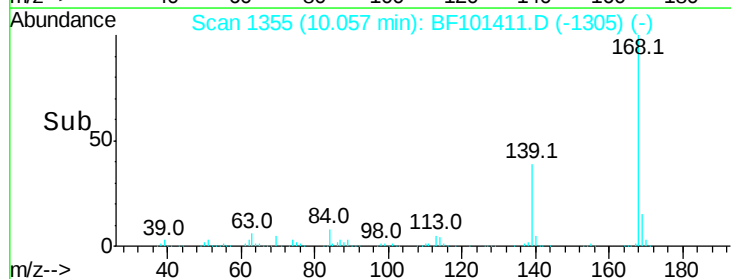
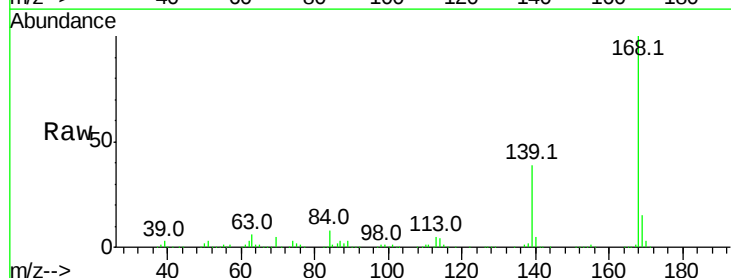
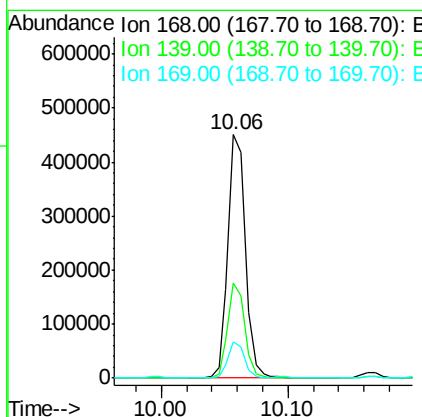
RT: 10.06 min Scan# 1355

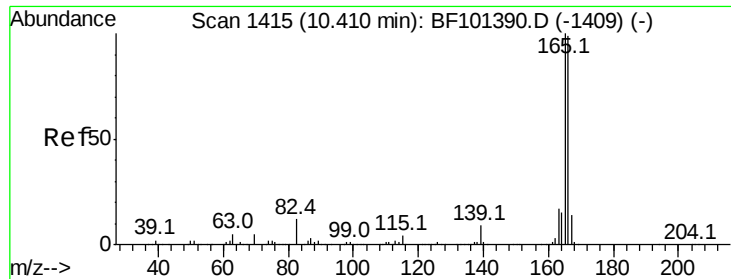
Delta R.T. -0.01 min

Lab File: BF101411.D

Acq: 14 Dec 2017 23:24

Tgt Ion:	168	Resp:	429644
Ion Ratio	Lower	Upper	
168	100		
139	38.8	30.1	45.1
169	14.8	10.9	16.3





#57

Fluorene

Concen: 21.944 ng

RT: 10.40 min Scan# 1414

Delta R.T. -0.01 min

Lab File: BF101411.D

Acq: 14 Dec 2017 23:24

Instrument :

BNA_F

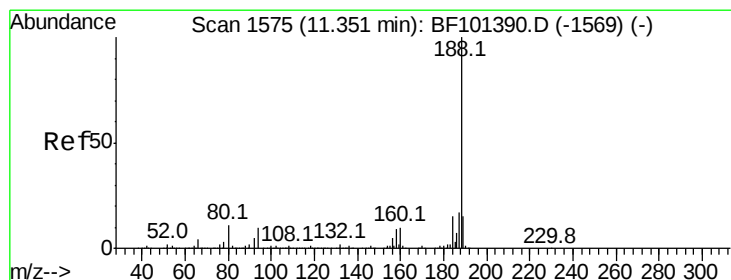
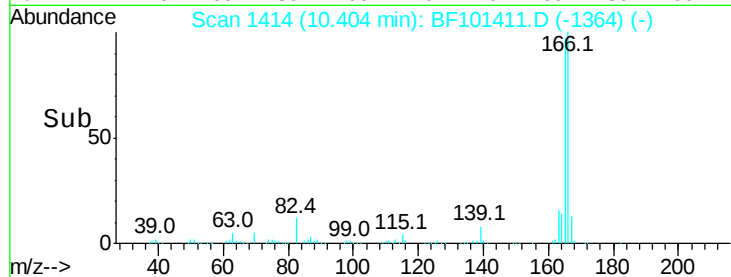
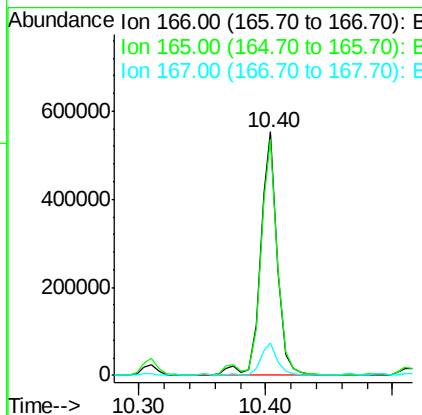
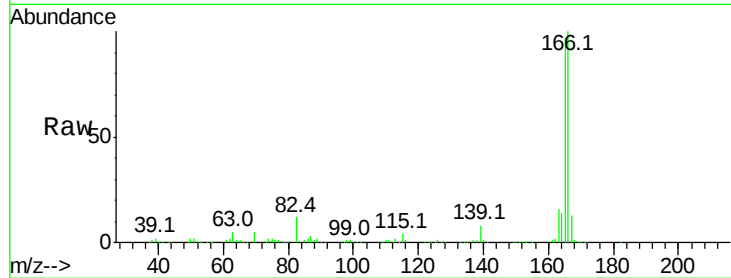
ClientSampleId :

WC-10257-01

Tot Ion:	166	Resp:	510574
Ion Ratio	Lower	Upper	
166	100		
165	97.0	79.8	119.8
167	13.2	10.6	16.0

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.000 ng

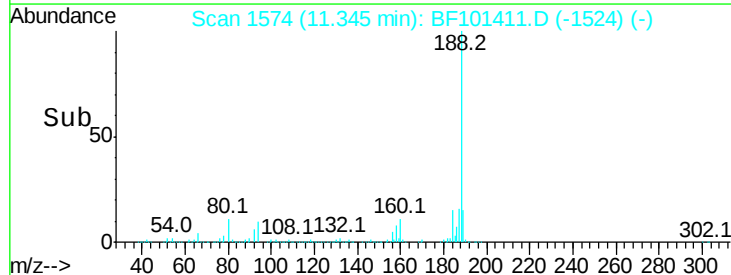
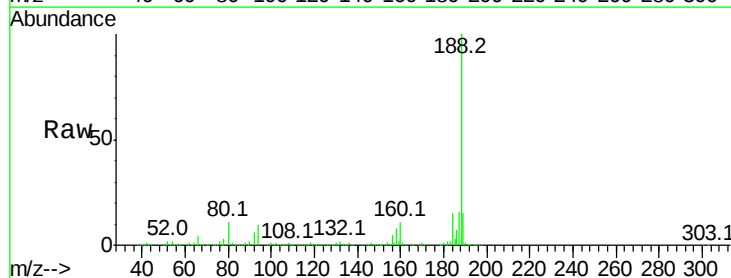
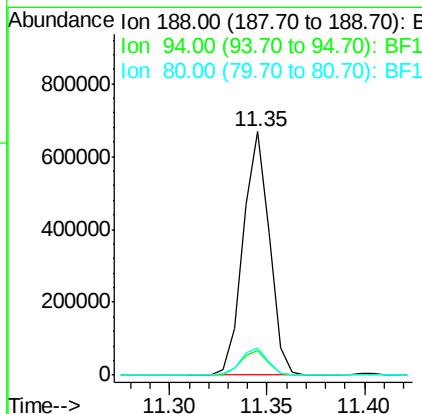
RT: 11.35 min Scan# 1574

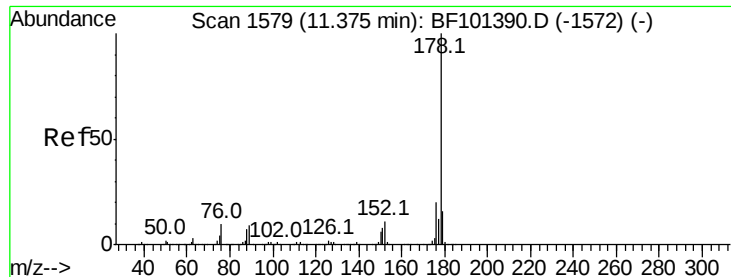
Delta R.T. -0.01 min

Lab File: BF101411.D

Acq: 14 Dec 2017 23:24

Tgt Ion:	188	Resp:	620423
Ion Ratio	Lower	Upper	
188	100		
94	10.3	8.5	12.7
80	11.4	9.2	13.8





#70

Phenanthrene

Concen: 40.604 ng

RT: 11.37 min Scan# 1579

Delta R.T. -0.00 min

Lab File: BF101411.D

Acq: 14 Dec 2017 23:24

Instrument :

BNA_F

ClientSampleId :

WC-10257-01

Tot Ion:178 Resp: 1400962

Ion Ratio Lower Upper

178 100

176 20.5 15.8 23.8

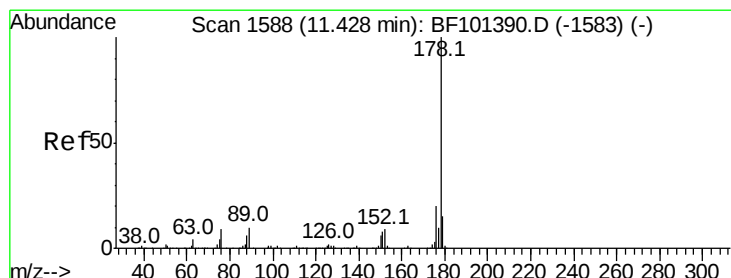
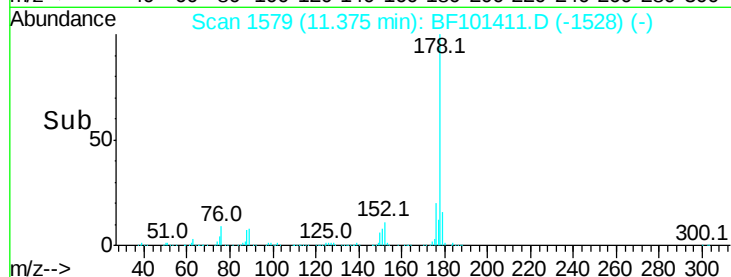
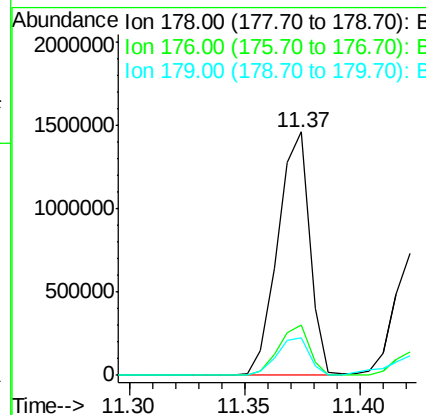
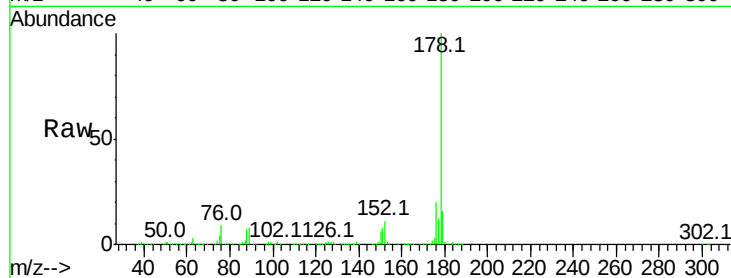
179 15.6 13.0 19.6

Manual Integrations

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#71

Anthracene

Concen: 18.796 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.01 min

Lab File: BF101411.D

Acq: 14 Dec 2017 23:24

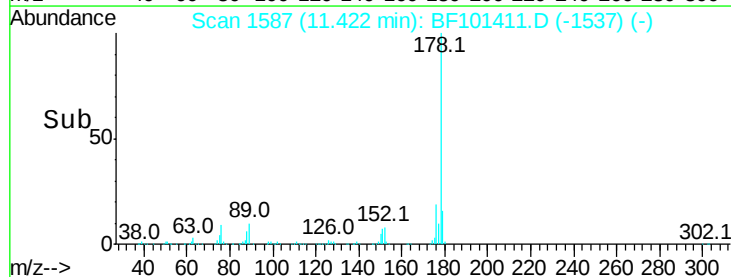
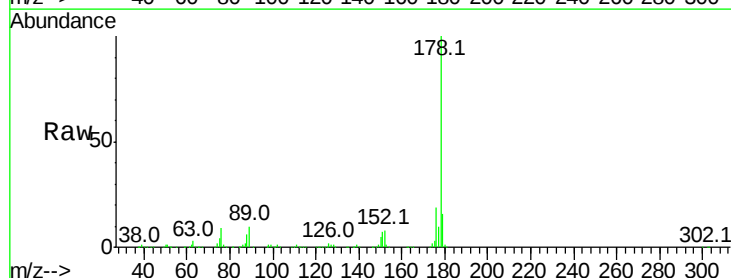
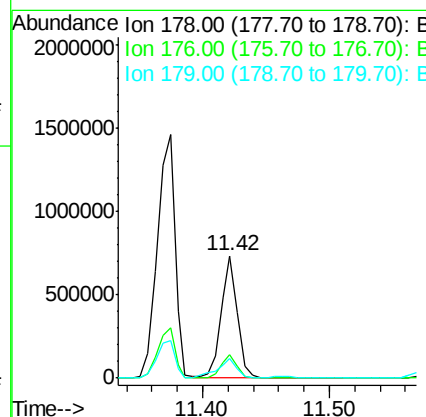
Tgt Ion:178 Resp: 662437

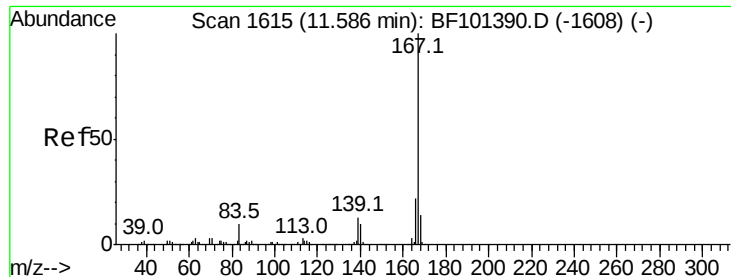
Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

179 15.6 12.6 19.0





#72

Carbazole

Concen: 6.629 ng

RT: 11.58 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BF101411.D

Acq: 14 Dec 2017 23:24

Instrument :

BNA_F

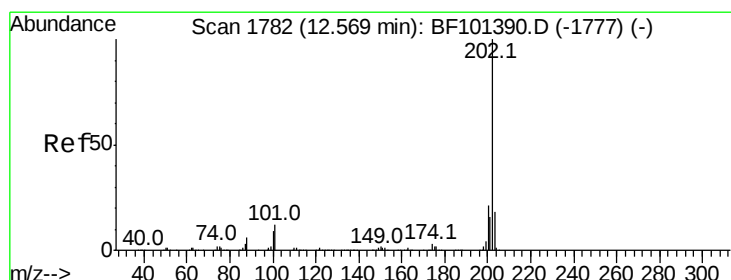
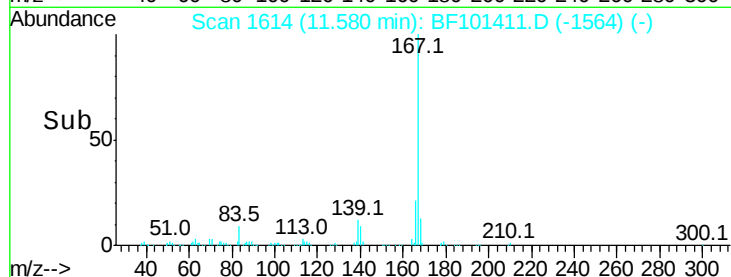
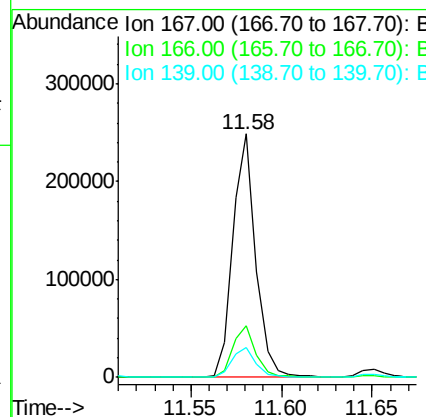
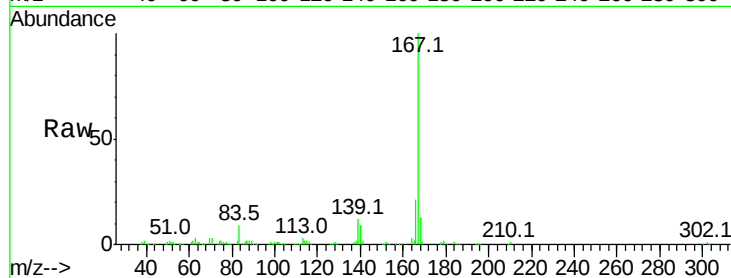
ClientSampleId :

WC-10257-01

Tot Ion:	167	Resp:	218741
Ion Ratio	Lower	Upper	
167	100		
166	21.1	17.6	26.4
139	12.4	10.9	16.3

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#74

Fluoranthene

Concen: 27.482 ng

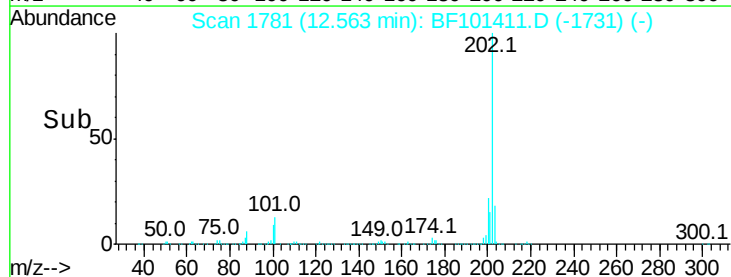
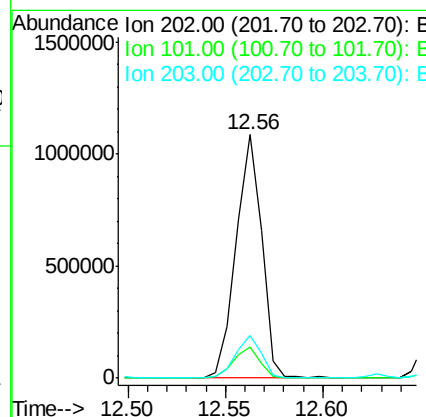
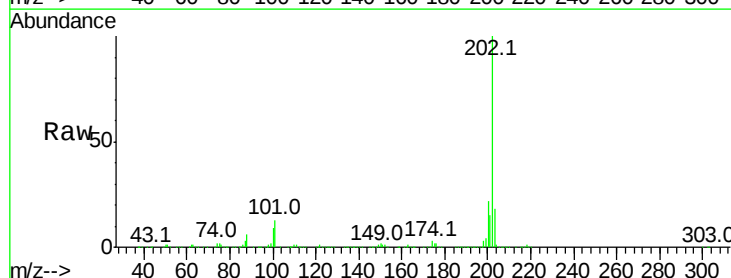
RT: 12.56 min Scan# 1781

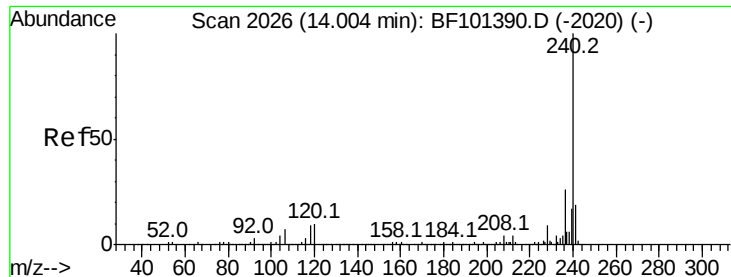
Delta R.T. -0.01 min

Lab File: BF101411.D

Acq: 14 Dec 2017 23:24

Tgt Ion:	202	Resp:	995258
Ion Ratio	Lower	Upper	
202	100		
101	12.9	0.0	34.1
203	17.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF101411.D

Acq: 14 Dec 2017 23:24

Instrument :

BNA_F

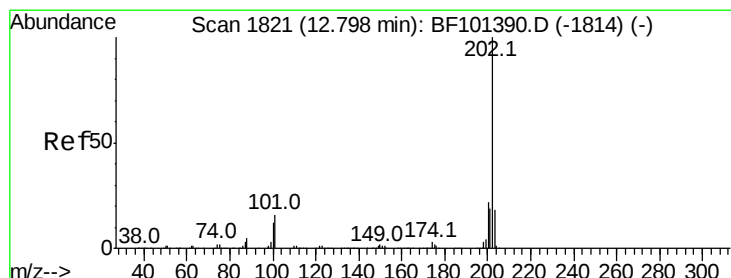
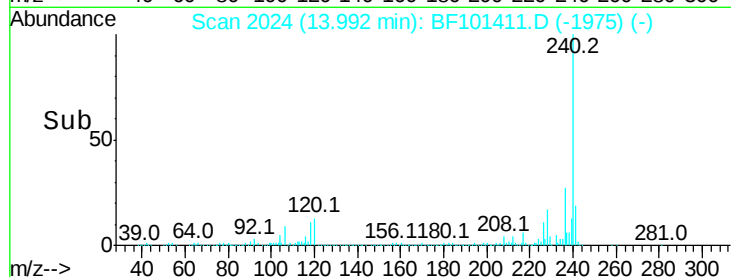
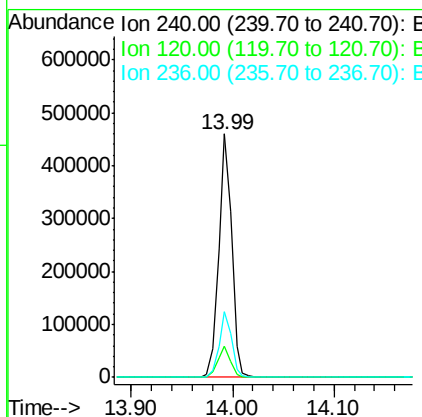
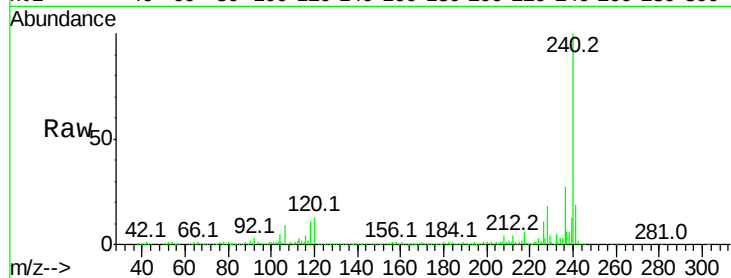
ClientSampleId :

WC-10257-01

Tot Ion:	240	Resp:	407629
Ion Ratio	Lower	Upper	
240	100		
120	12.9	9.5	14.3
236	26.7	20.7	31.1

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#77

Pyrene

Concen: 24.994 ng

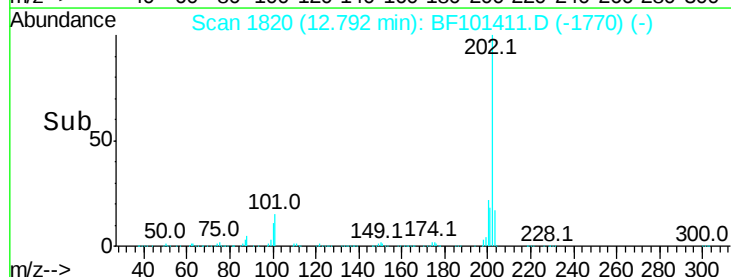
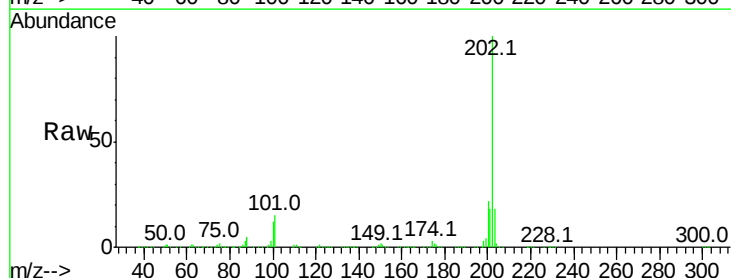
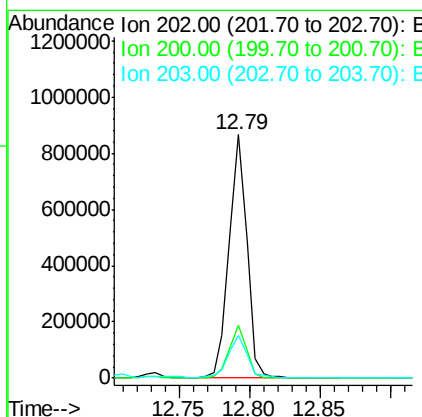
RT: 12.79 min Scan# 1820

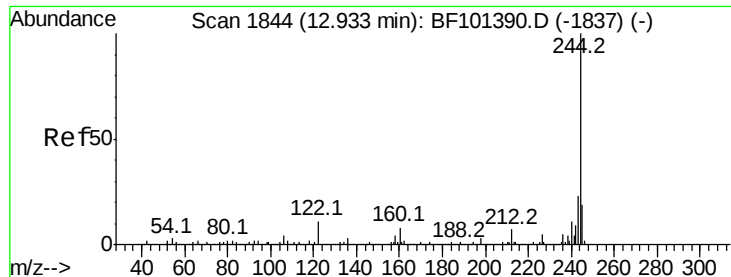
Delta R.T. -0.01 min

Lab File: BF101411.D

Acq: 14 Dec 2017 23:24

Tgt Ion:	202	Resp:	764613
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.4	26.2
203	17.6	14.3	21.5





#78

Terphenyl-d14

Concen: 0.175 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.01 min

Lab File: BF101411.D

Acq: 14 Dec 2017 23:24

Instrument :

BNA_F

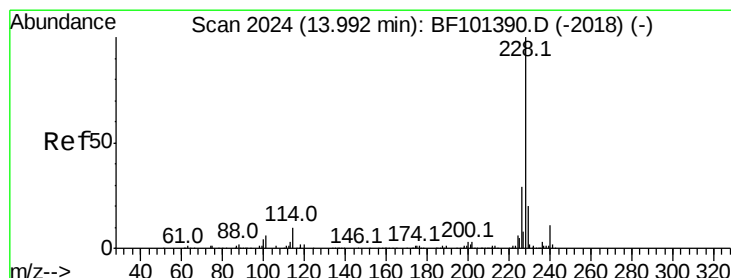
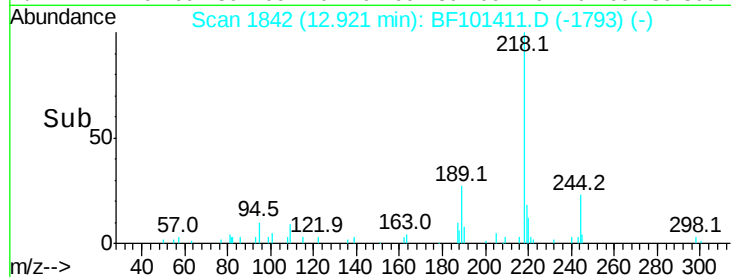
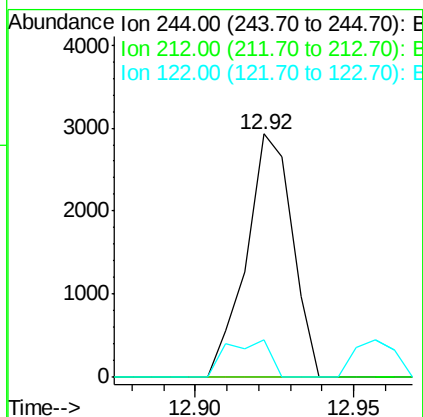
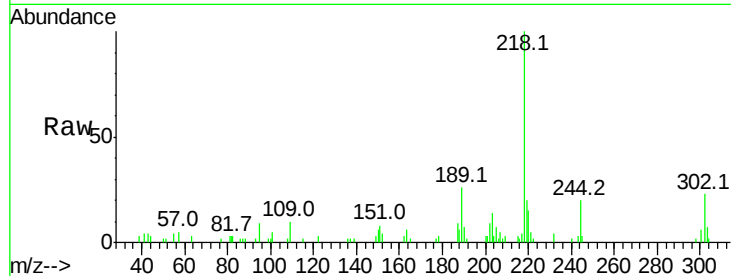
ClientSampleId :

WC-10257-01

Tot Ion:	244	Resp:	2951
Ion Ratio	Lower	Upper	
244	100		
212	0.0	5.4	8.0#
122	15.4	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 12.286 ng

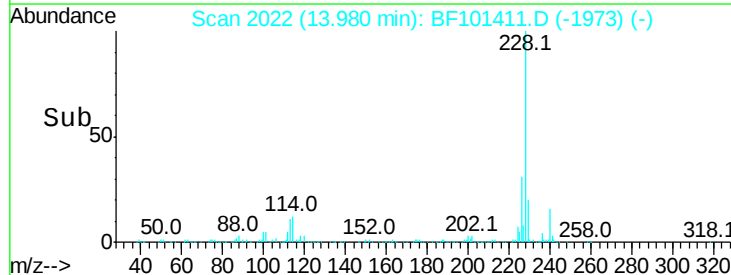
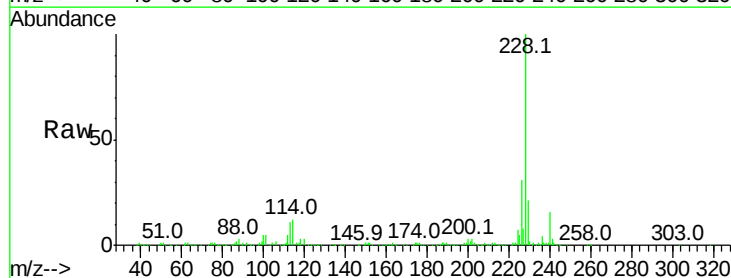
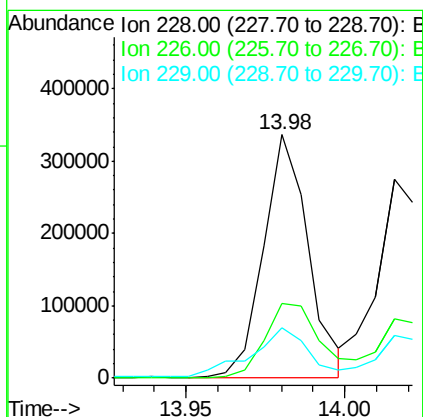
RT: 13.98 min Scan# 2022

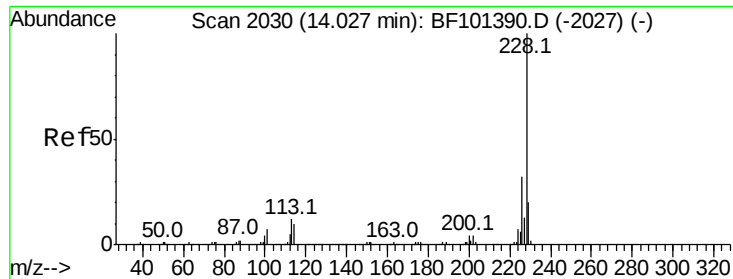
Delta R.T. -0.01 min

Lab File: BF101411.D

Acq: 14 Dec 2017 23:24

Tgt Ion:	228	Resp:	330683
Ion Ratio	Lower	Upper	
228	100		
226	30.7	22.6	33.8
229	20.7	15.8	23.6





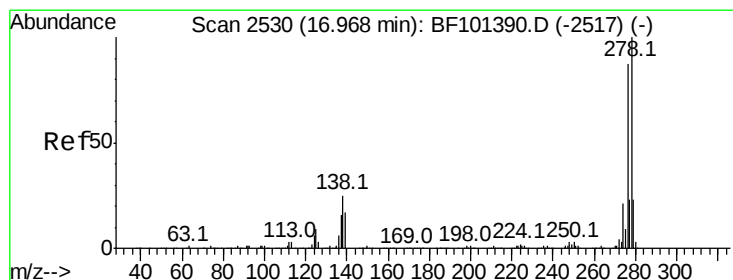
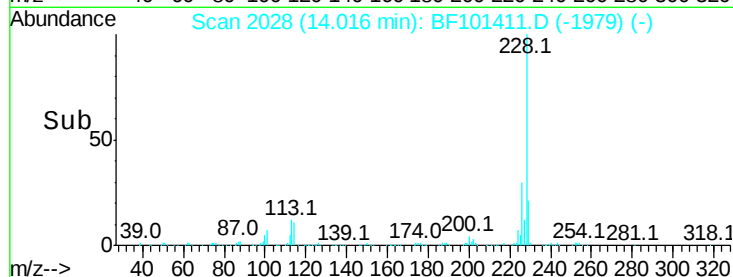
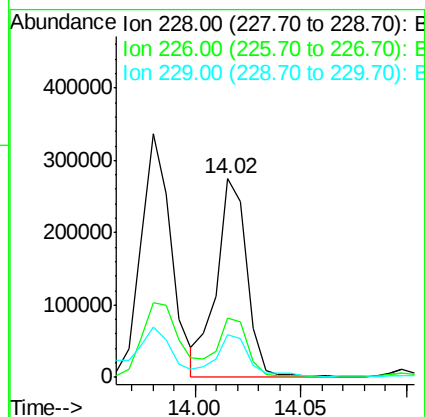
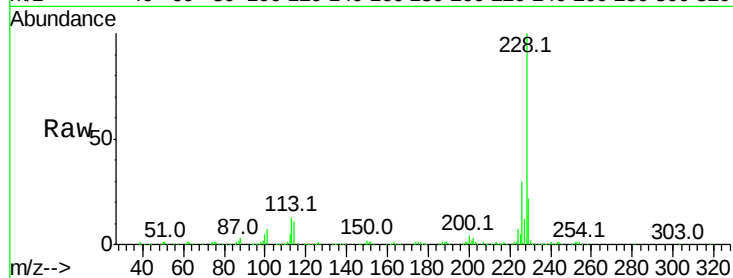
#82
Chrysene
Concen: 10.677 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Instrument :
BNA_F
ClientSampleId :
WC-10257-01

Tot Ion:	228	Resp:	271349
Ion Ratio	Lower	Upper	
228	100		
226	30.2	25.0	37.6
229	21.5	16.2	24.4

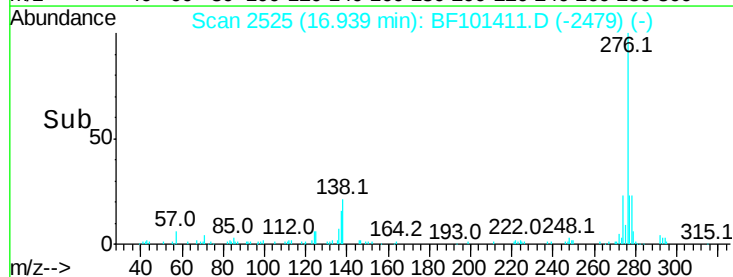
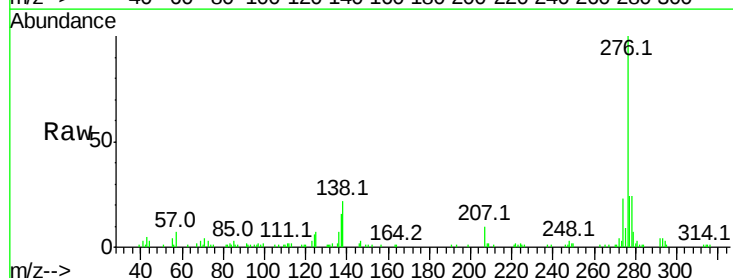
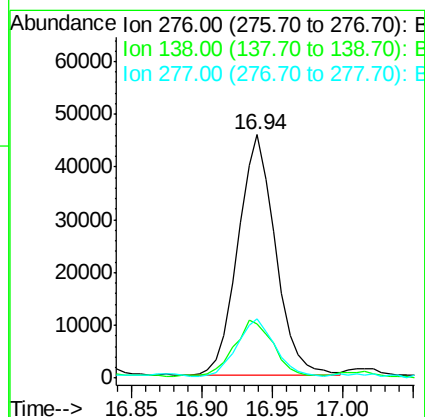
Manual Integrations
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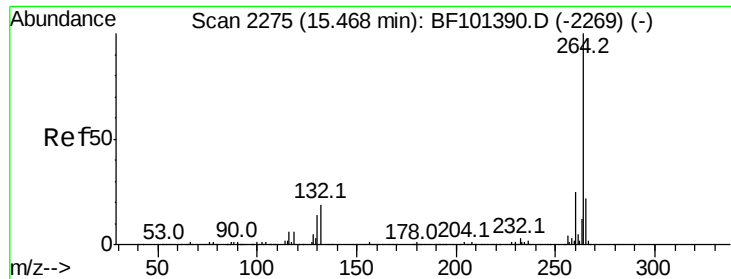
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.763 ng
RT: 16.94 min Scan# 2525
Delta R.T. -0.03 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Tgt Ion:	276	Resp:	85157
Ion Ratio	Lower	Upper	
276	100		
138	23.2	25.0	37.6#
277	23.6	20.1	30.1





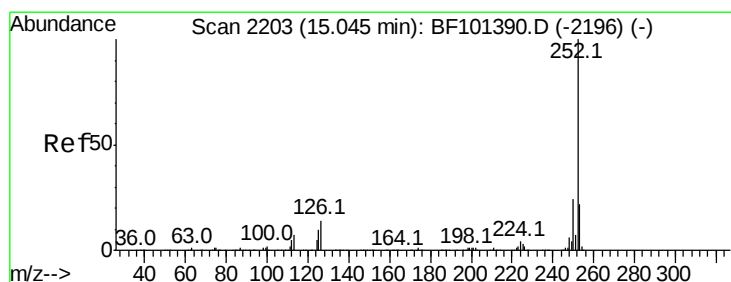
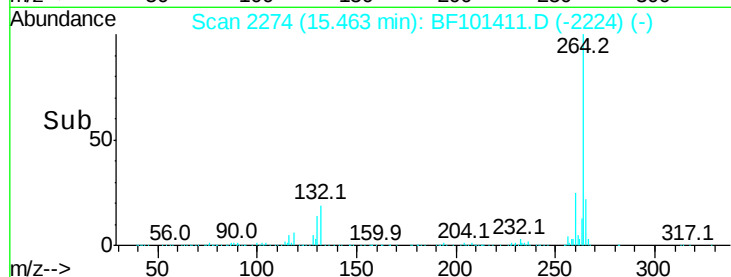
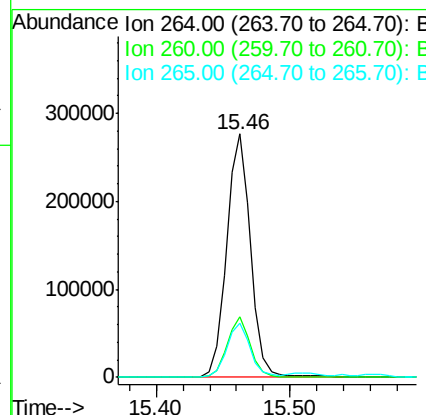
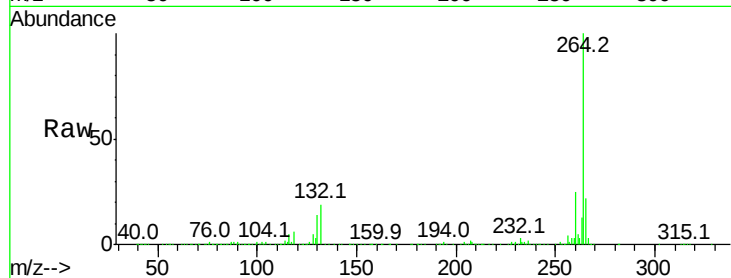
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Instrument :
BNA_F
ClientSampleId :
WC-10257-01

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	22.2	17.5	26.3

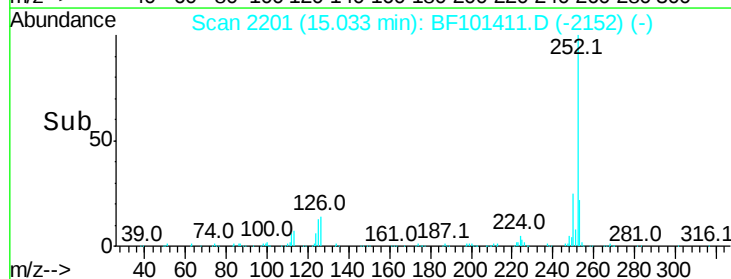
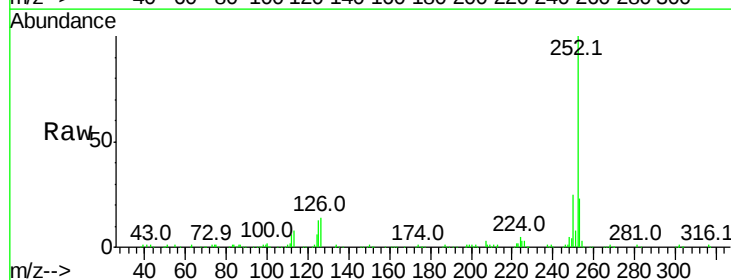
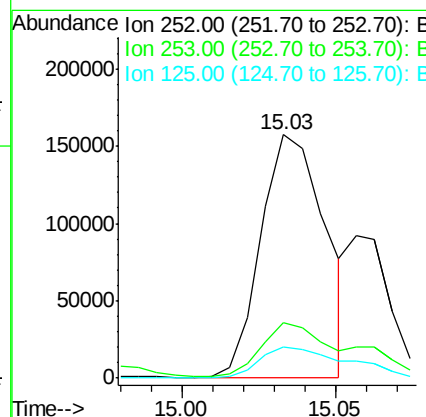
Manual Integrations
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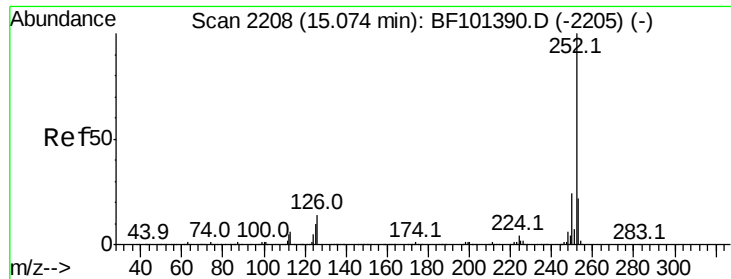
Sohil
12/15/2017 6:44:39 PM



#87
Benzo(b)fluoranthene
Concen: 10.668 ng m
RT: 15.03 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	12.8	9.0	13.6





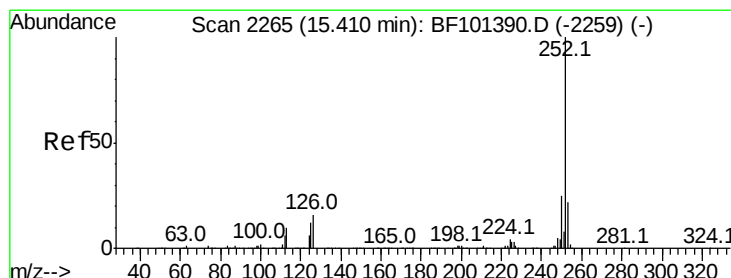
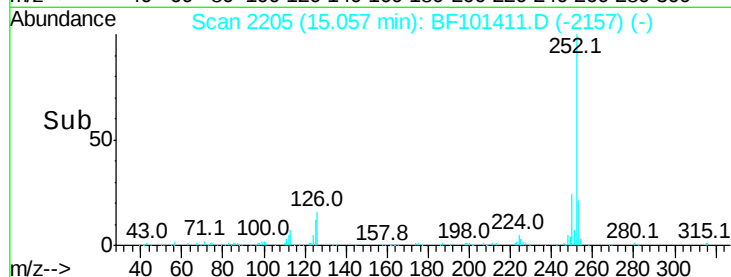
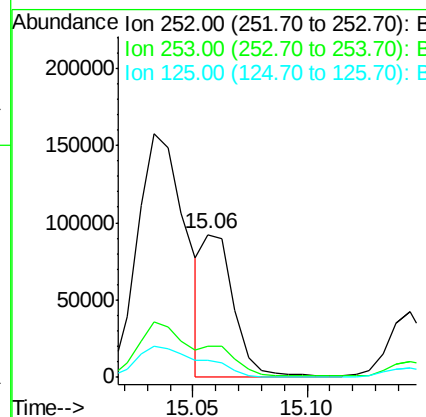
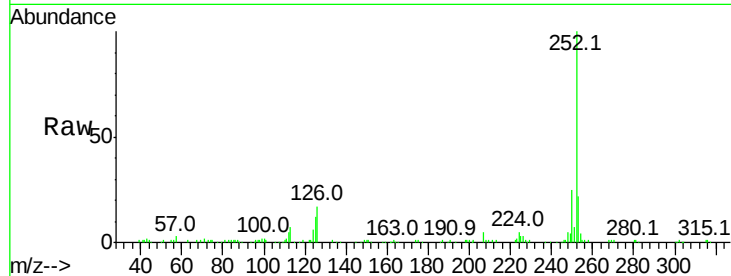
#88
Benzo(k)fluoranthene
Concen: 4.238 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.02 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Instrument :
BNA_F
ClientSampleId :
WC-10257-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.9	26.9
125	12.0	10.2	15.2

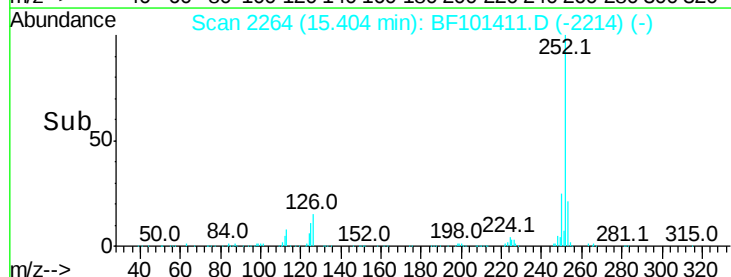
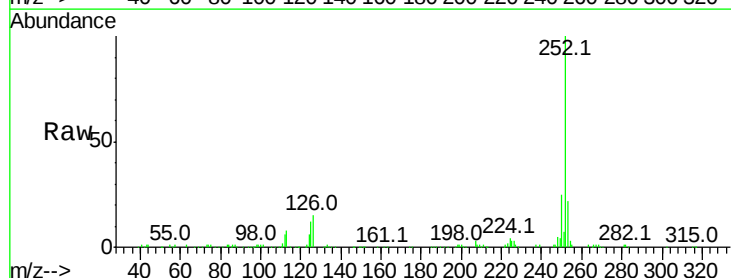
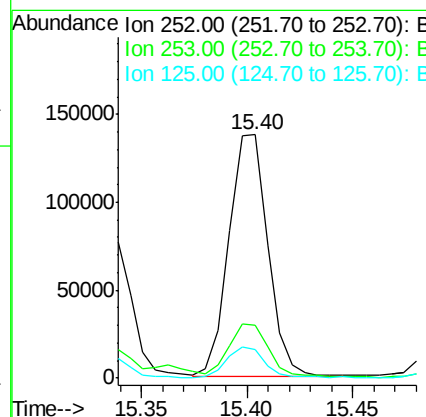
Manual Integrations
APPROVED

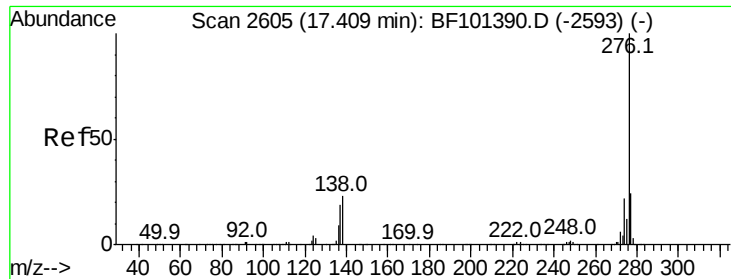
Sohil
12/15/2017 6:44:39 PM



#89
Benzo(a)pyrene
Concen: 9.027 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.01 min
Lab File: BF101411.D
Acq: 14 Dec 2017 23:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.1	25.7
125	11.6	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 4.248 ng
 RT: 17.39 min Scan# 2601
 Delta R.T. -0.02 min
 Lab File: BF101411.D
 Acq: 14 Dec 2017 23:24

Instrument :
 BNA_F
 ClientSampleId :
 WC-10257-01

Tot Ion:	276	Resp:	70924
Ion Ratio	Lower	Upper	
276	100		
277	22.9	17.9	26.9
138	26.7	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 12/15/2017 6:44:39 PM

