

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121417\
 Data File : BF101415.D
 Acq On : 15 Dec 2017 1:10
 Operator : SJ/JU
 Sample : I6827-01 100X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-4539-01

Manual Integrations
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 12/15/2017 6:44:51 PM

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Quant Time: Dec 15 02:47:10 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	173243	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	685751	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	313019	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	566881	20.00	ng	0.00
75) Chrysene-d12	13.99	240	362111	20.00	ng	-0.01
86) Perylene-d12	15.46	264	326300	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	6.48	99	999	0.07	ng	0.02
23) Nitrobenzene-d5	7.40	82	779	0.06	ng	0.02
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	9.17	172	2162	0.11	ng	0.00
78) Terphenyl-d14	12.92	244	3203	0.21	ng	-0.01

Target Compounds

						Qvalue
20) 3+4-Methylphenols	7.25	107	28862	2.420	ng	93
31) Naphthalene	8.13	128	3497844	101.319	ng	98
37) 2-Methylnaphthalene	8.81	142	628570	27.946	ng	99
45) 1,1'-Biphenyl	9.27	154	181189	6.527	ng	98
48) Acenaphthylene	9.72	152	831697	24.790	ng	100
51) Acenaphthene	9.89	154	145438	7.215	ng	98
54) Dibenzofuran	10.06	168	629921	24.592	ng	99
57) Fluorene	10.40	166	735616	33.948	ng	100
70) Phenanthrene	11.37	178	1958692	62.131	ng	99
71) Anthracene	11.42	178	882207	27.396	ng	99
72) Carbazole	11.58	167	365423	12.120	ng	98
74) Fluoranthene	12.56	202	1408668	42.571	ng	99
77) Pvrene	12.79	202	1089011	40.072	ng	99
80) Benzo(a)anthracene	13.98	228	491467	20.554	ng	97
82) Chrysene	14.02	228	380640	16.860	ng	96
85) Indeno(1,2,3-cd)pyrene	16.94	276	136867	6.808	ng	# 91
87) Benzo(b)fluoranthene	15.03	252	366743m	18.440	ng	
88) Benzo(k)fluoranthene	15.06	252	132576m	6.856	ng	
89) Benzo(a)pvrene	15.40	252	283115	15.442	ng	97
90) Dibenzo(a,h)anthracene	16.94	278	39179m	2.489	ng	
91) Benzo(q,h,i)perylene	17.39	276	114423	7.341	ng	95

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

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Data File : BF101415.D
Acq On : 15 Dec 2017 1:10
Operator : SJ/JU
Sample : I6827-01 100X
Misc :
ALS Vial : 20 Sample Multiplier: 1

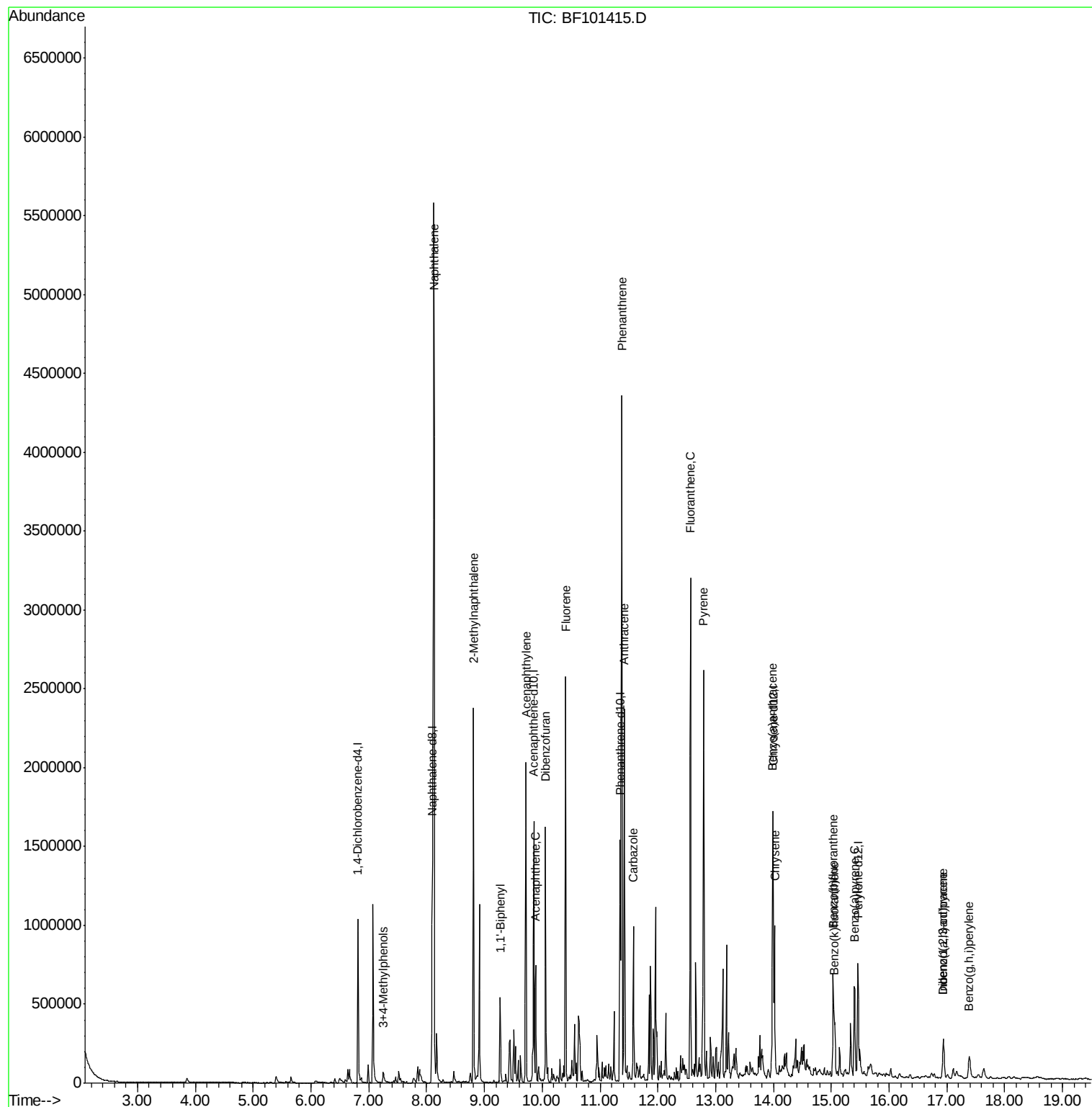
Instrument :
BNA_F
ClientSampleId :
WC-4539-01

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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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: BF101415.D
Acq: 15 Dec 2017 1:10

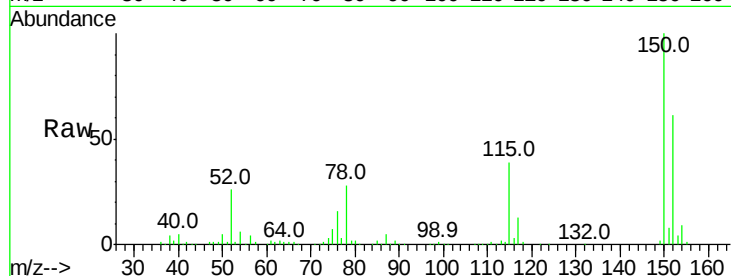
Instrument :
BNA_F
ClientSampleId :
WC-4539-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	164.6	124.6	186.8
115	63.8	50.1	75.1

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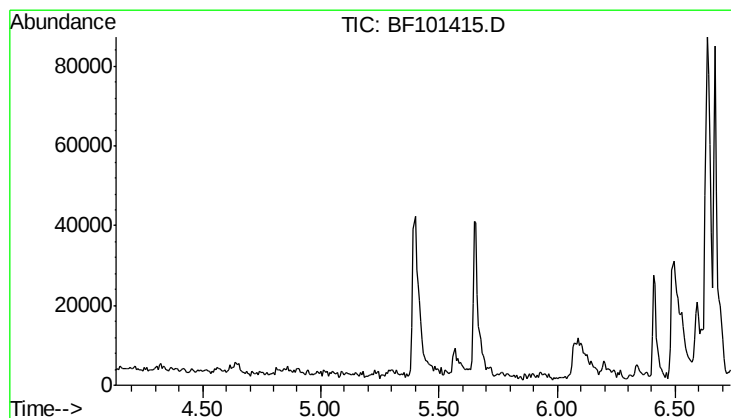
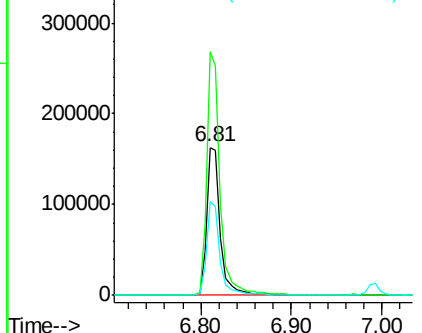
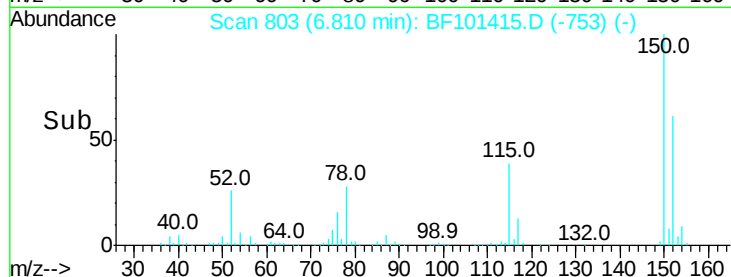


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

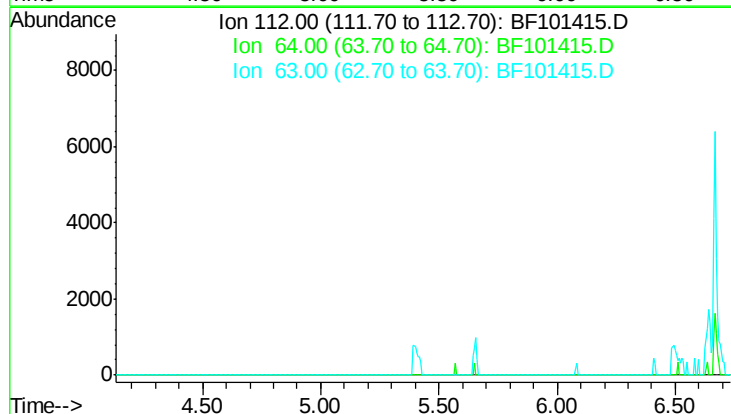


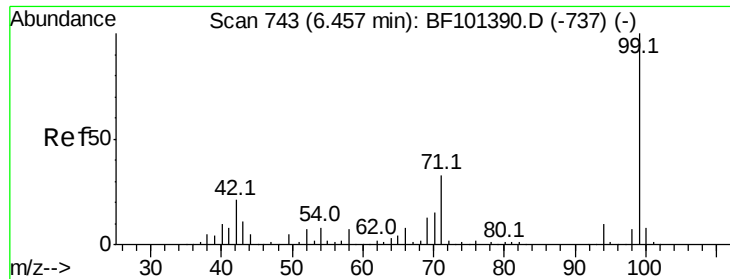
#5

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

Lab File: BF101415.D
Acq: 15 Dec 2017 1:10

Tgt Ion	Exp Ratio
112	100
64	59.9
63	29.6





#7

Phenol-d6

Concen: 0.069 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.02 min

Lab File: BF101415.D

Acq: 15 Dec 2017 1:10

Instrument :

BNA_F

ClientSampleId :

WC-4539-01

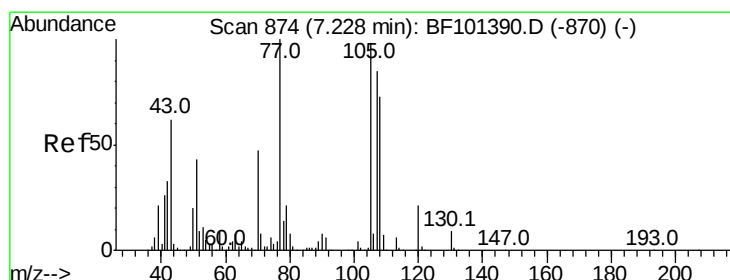
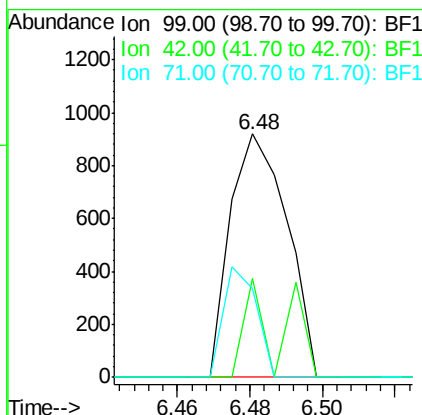
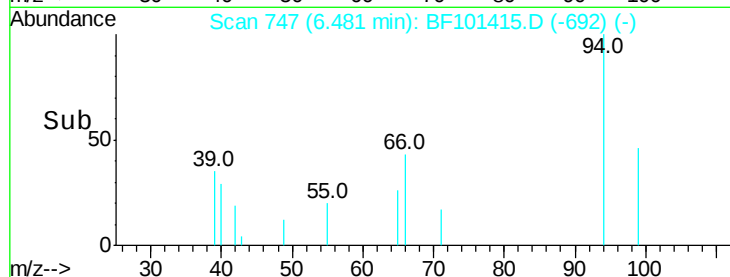
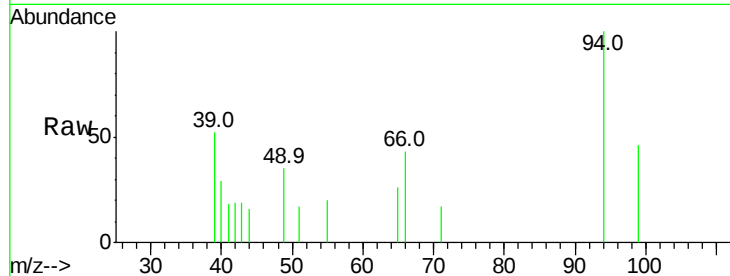
Tot Ion:	99	Resp:	999
Ion Ratio	Lower	Upper	
99	100		
42	40.8	14.5	21.7#
71	36.6	25.4	38.0

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#20

3+4-Methylphenols

Concen: 2.420 ng

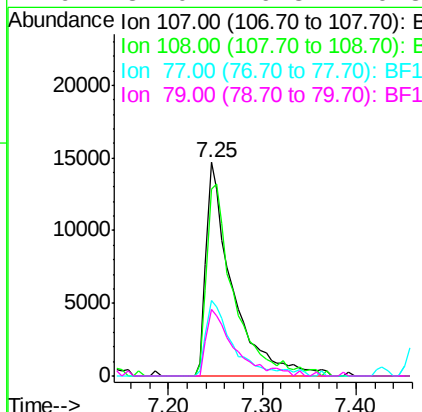
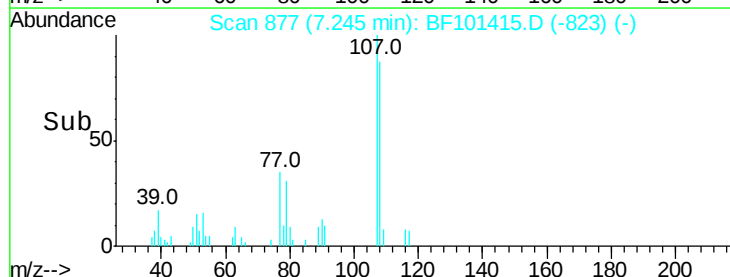
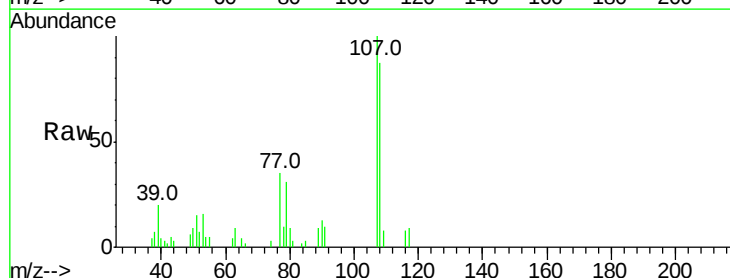
RT: 7.25 min Scan# 877

Delta R.T. 0.02 min

Lab File: BF101415.D

Acq: 15 Dec 2017 1:10

Tgt Ion:	107	Resp:	28862
Ion Ratio	Lower	Upper	
107	100		
108	87.3	68.2	108.2
77	35.2	26.7	66.7
79	31.0	6.3	46.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BF101415.D
Acq: 15 Dec 2017 1:10

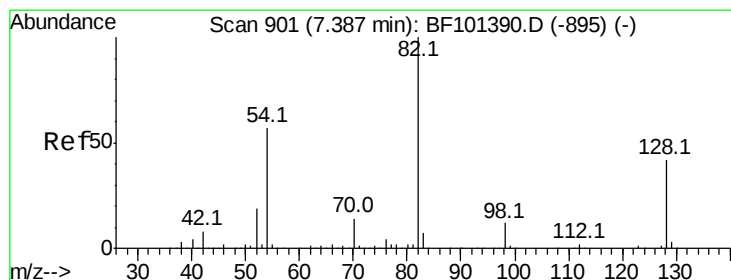
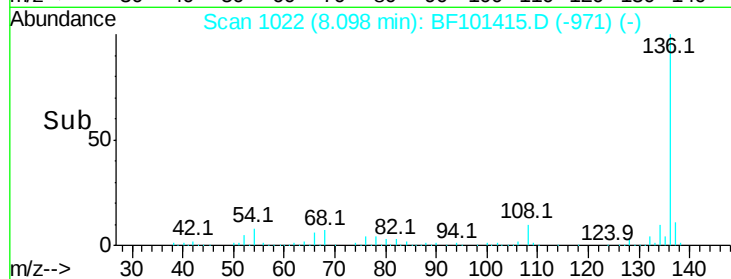
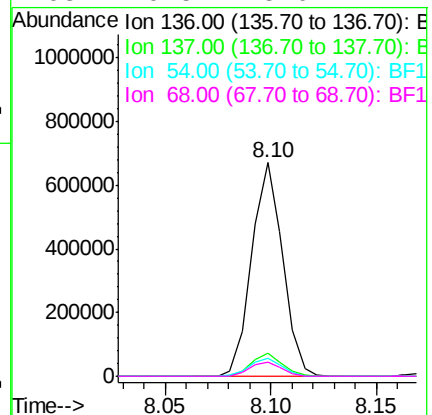
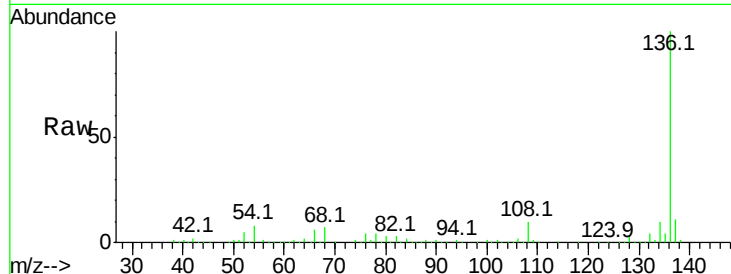
Instrument :
BNA_F
ClientSampleId :
WC-4539-01

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.7	8.9	13.3
54	8.5	6.6	9.8
68	6.5	5.0	7.4

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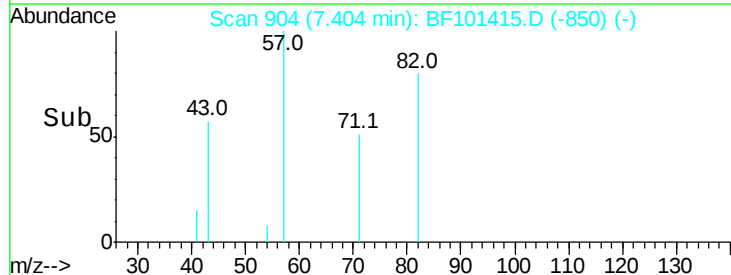
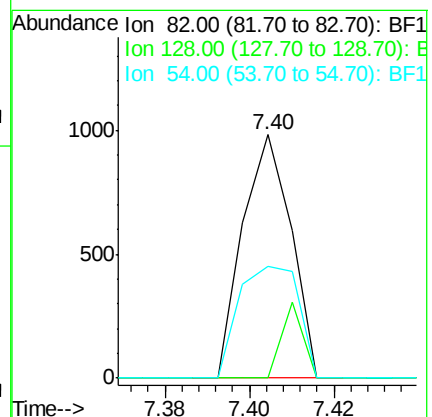
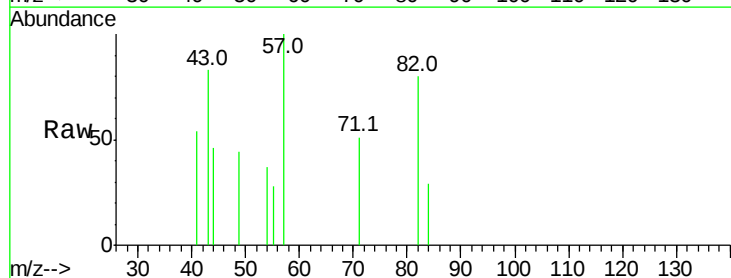
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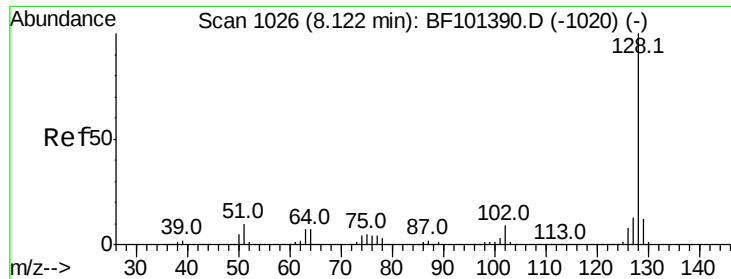
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#23
Nitrobenzene-d5
Concen: 0.063 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.02 min
Lab File: BF101415.D
Acq: 15 Dec 2017 1:10

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	0.0	36.1	54.1#
54	45.7	41.4	62.2





#31

Naphthalene

Concen: 101.319 ng

RT: 8.13 min Scan# 1027

Delta R.T. 0.01 min

Lab File: BF101415.D

Acq: 15 Dec 2017 1:10

Instrument :

BNA_F

ClientSampleId :

WC-4539-01

Tot Ion:128 Resp: 3497844

Ion Ratio Lower Upper

128 100

129 11.7 8.8 13.2

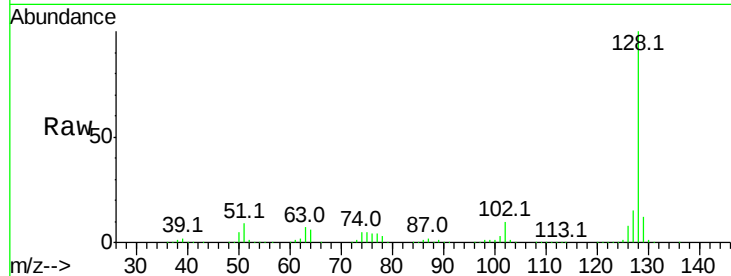
127 14.5 10.9 16.3

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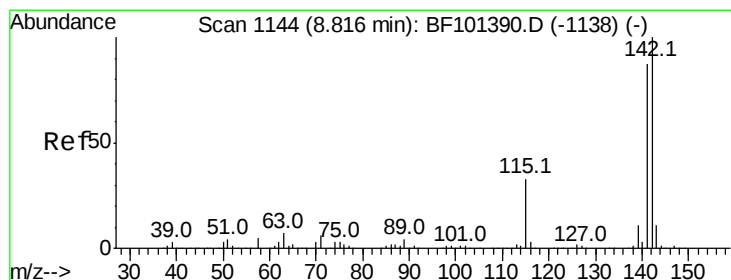
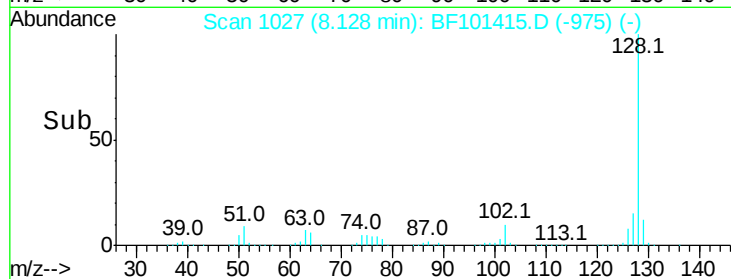
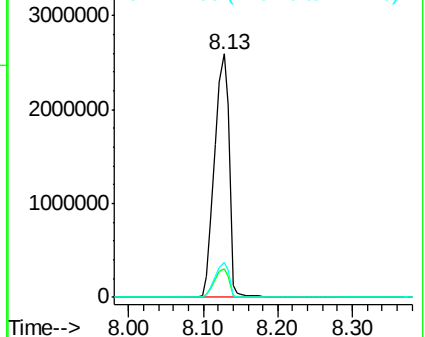
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 27.946 ng

RT: 8.81 min Scan# 1143

Delta R.T. -0.01 min

Lab File: BF101415.D

Acq: 15 Dec 2017 1:10

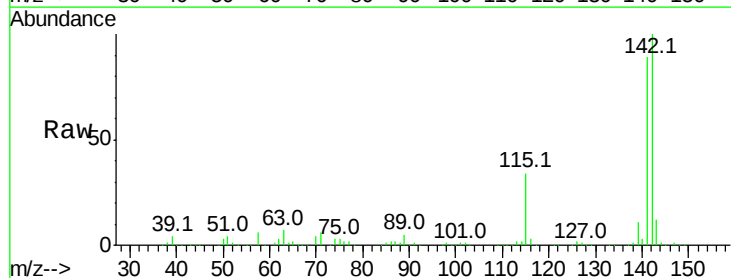
Tgt Ion:142 Resp: 628570

Ion Ratio Lower Upper

142 100

141 89.1 70.8 106.2

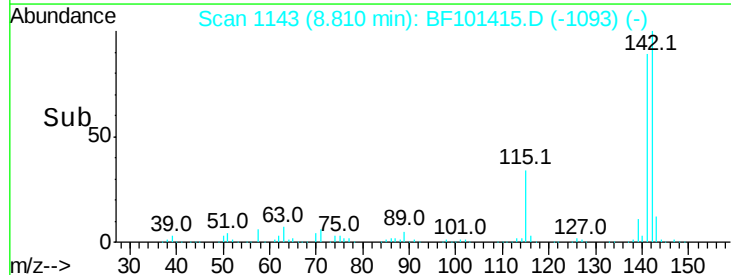
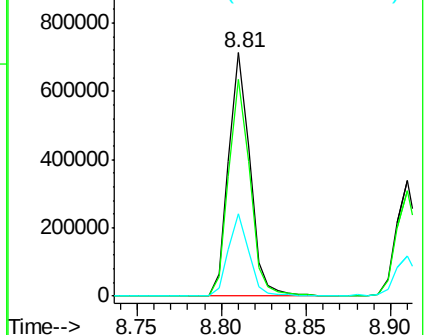
115 34.0 26.1 39.1

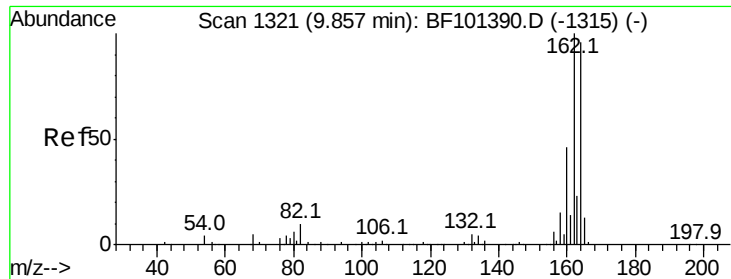


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BF101415.D
 Acq: 15 Dec 2017 1:10

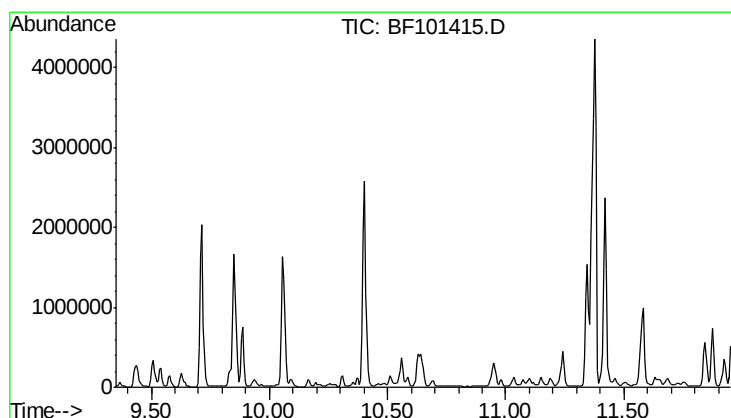
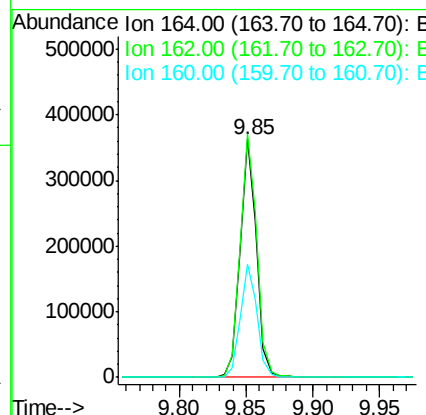
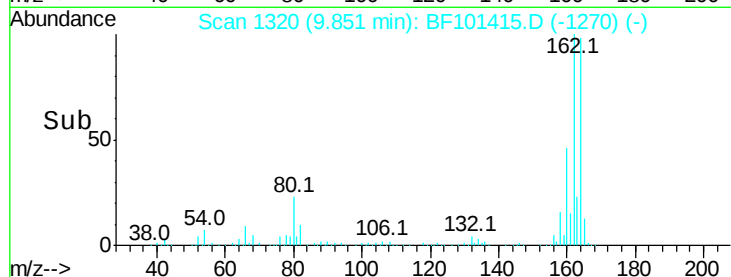
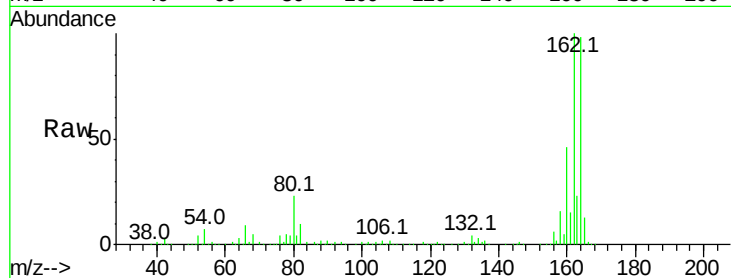
Instrument :
 BNA_F
 ClientSampleId :
 WC-4539-01

Tot Ion:	164	Resp:	313019
Ion Ratio	Lower	Upper	
164	100		
162	102.3	86.1	129.1
160	47.3	38.3	57.5

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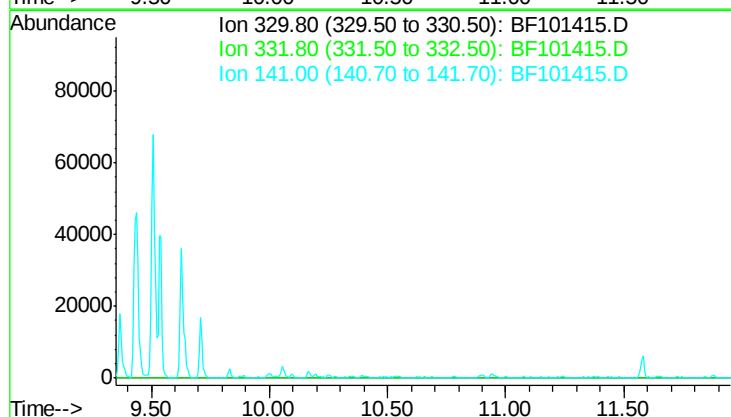
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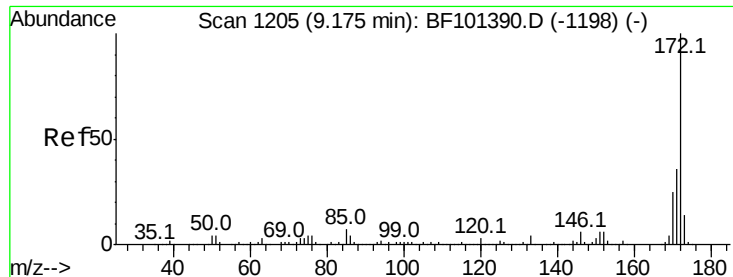


#41
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 10.65 min

Lab File: BF101415.D
 Acq: 15 Dec 2017 1:10

Tgt Ion:	330
Sig	Exp Ratio
330	100
332	96.3
141	37.4





#44
 2-Fluorobiphenyl
 Concen: 0.107 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF101415.D
 Acq: 15 Dec 2017 1:10

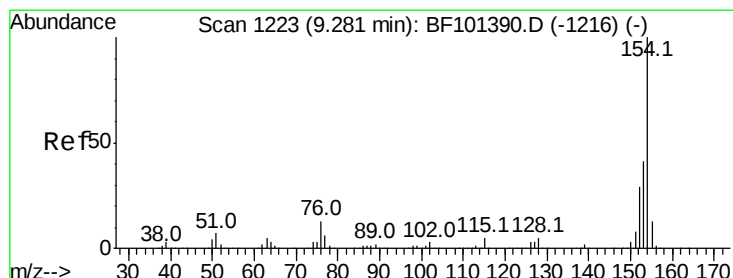
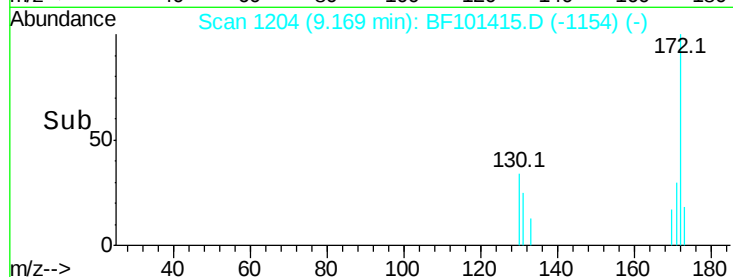
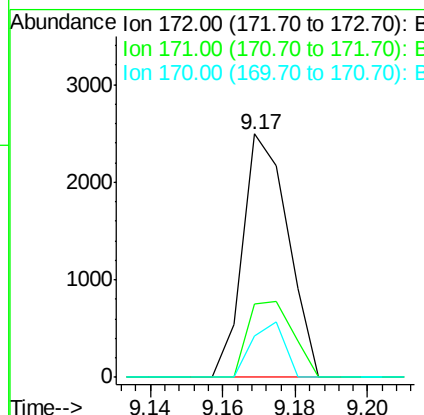
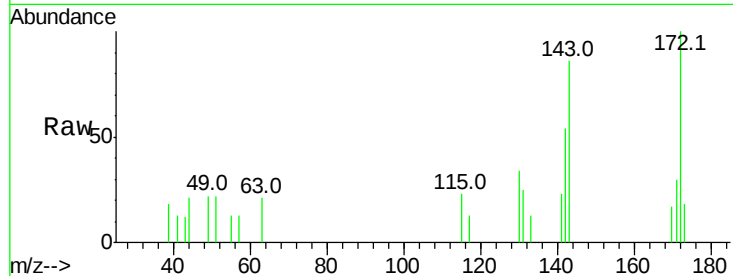
Instrument :
 BNA_F
 ClientSampleId :
 WC-4539-01

Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	30.3	29.7	44.5
170	17.1	19.6	29.4

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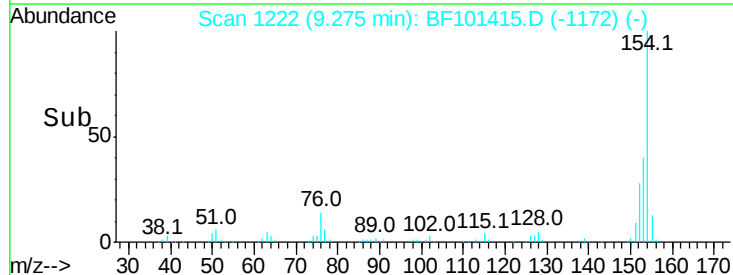
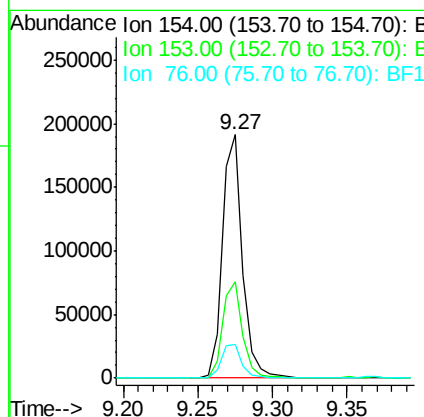
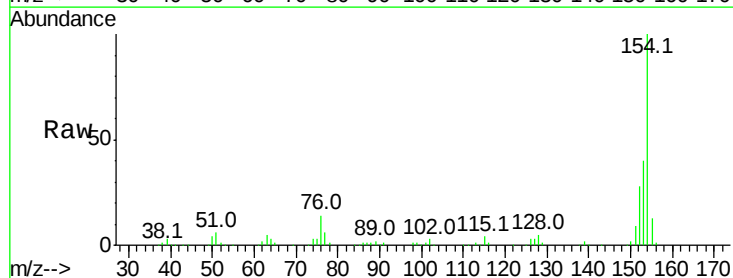
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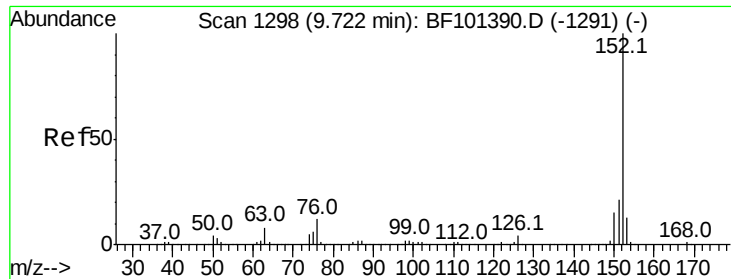
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#45
 1,1'-Biphenyl
 Concen: 6.527 ng
 RT: 9.27 min Scan# 1222
 Delta R.T. -0.01 min
 Lab File: BF101415.D
 Acq: 15 Dec 2017 1:10

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	39.9	21.3	61.3
76	13.8	0.0	34.0





#48

Acenaphthylene

Concen: 24.790 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF101415.D

Acq: 15 Dec 2017 1:10

Instrument :

BNA_F

ClientSampleId :

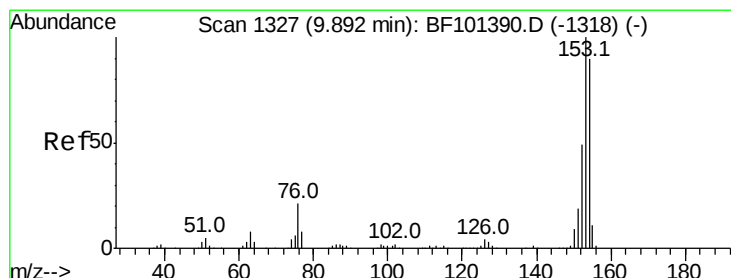
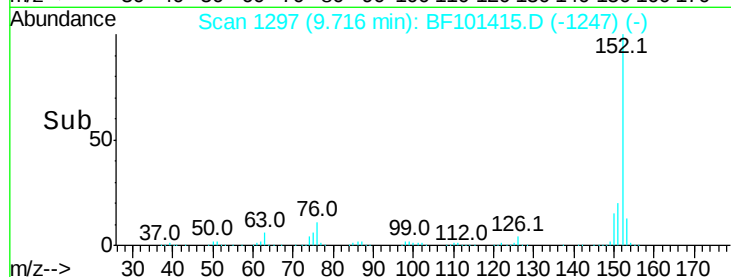
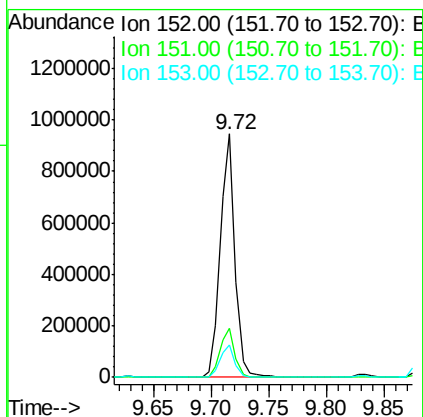
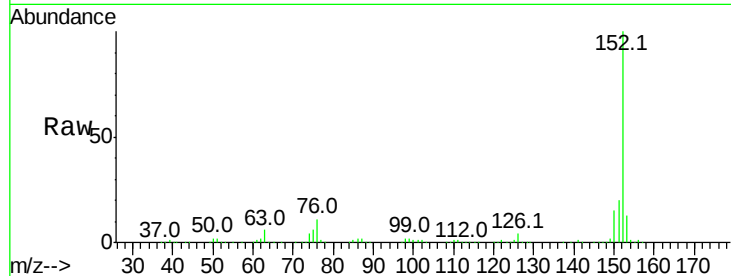
WC-4539-01

Tot Ion:	152	Resp:	831697
Ion Ratio	Lower	Upper	
152	100		
151	20.2	16.3	24.5
153	13.3	10.7	16.1

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#51

Acenaphthene

Concen: 7.215 ng

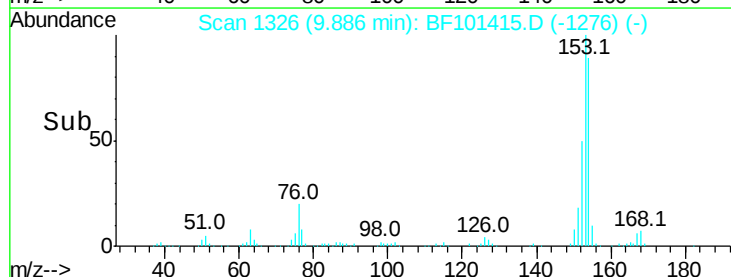
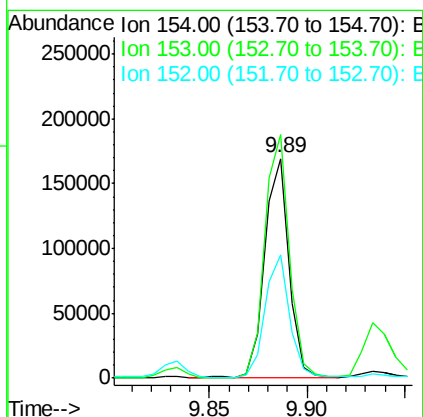
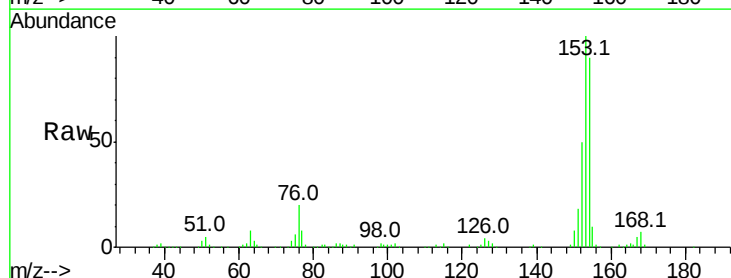
RT: 9.89 min Scan# 1326

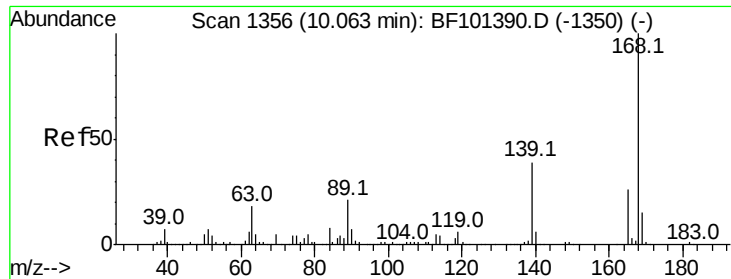
Delta R.T. -0.01 min

Lab File: BF101415.D

Acq: 15 Dec 2017 1:10

Tgt Ion:	154	Resp:	145438
Ion Ratio	Lower	Upper	
154	100		
153	110.9	91.2	136.8
152	55.9	43.8	65.8





#54
Dibenzofuran
Concen: 24.592 ng
RT: 10.06 min Scan# 1355
Delta R.T. -0.01 min
Lab File: BF101415.D
Acq: 15 Dec 2017 1:10

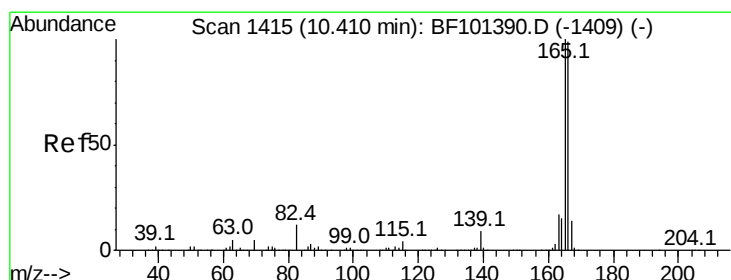
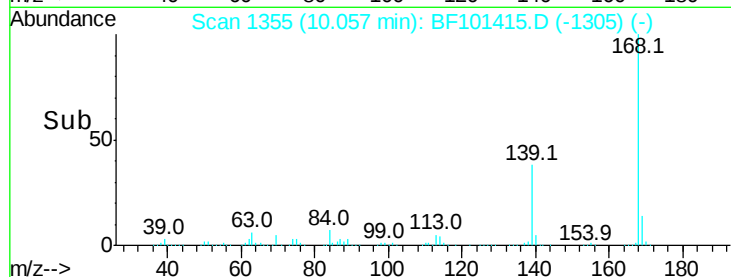
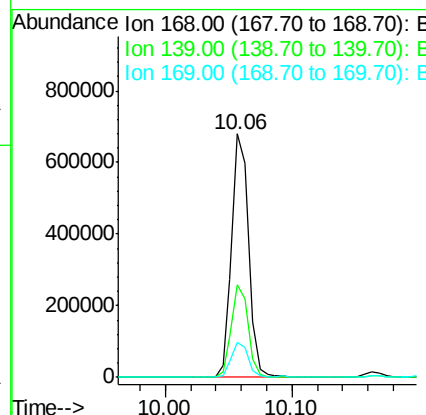
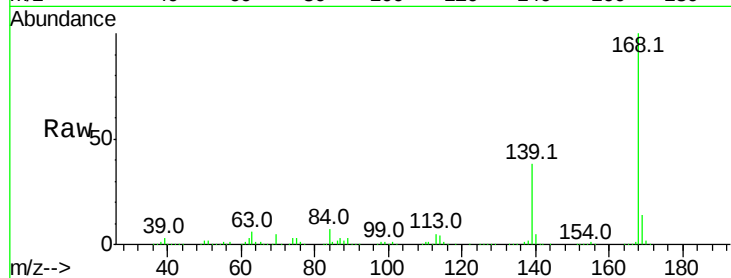
Instrument :
BNA_F
ClientSampleId :
WC-4539-01

Tot Ion	Ratio	Resp	Lower	Upper
168	100	629921		
139	38.3		30.1	45.1
169	14.5		10.9	16.3

Manual Integrations
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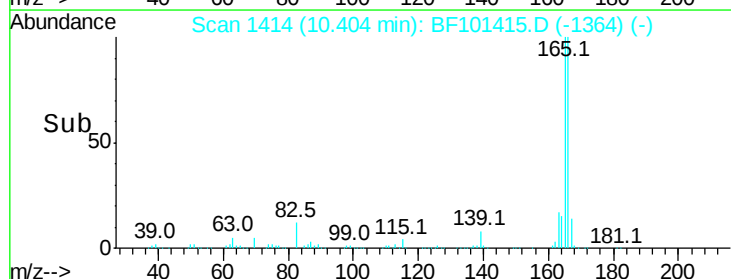
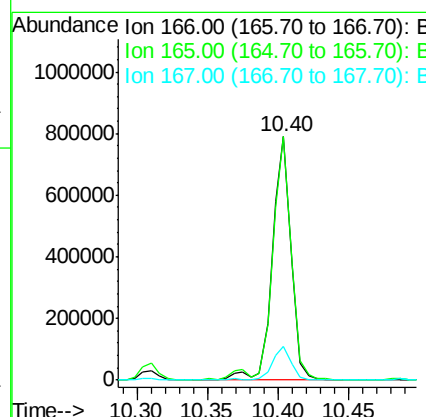
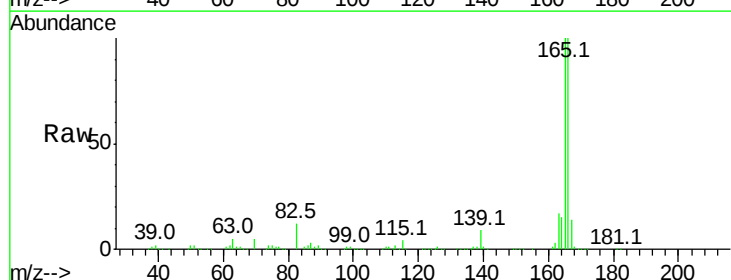
Sohil
12/15/2017 6:44:51 PM

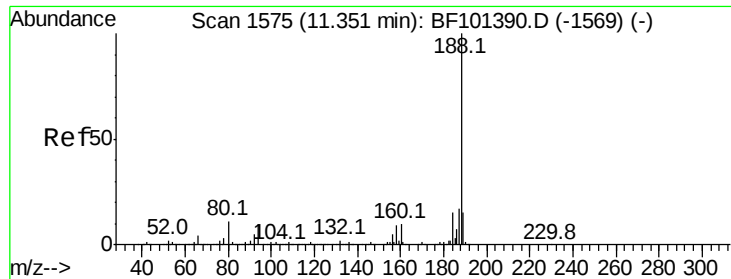
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#57
Fluorene
Concen: 33.948 ng
RT: 10.40 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BF101415.D
Acq: 15 Dec 2017 1:10

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	735616		
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. -0.01 min
Lab File: BF101415.D
Acq: 15 Dec 2017 1:10

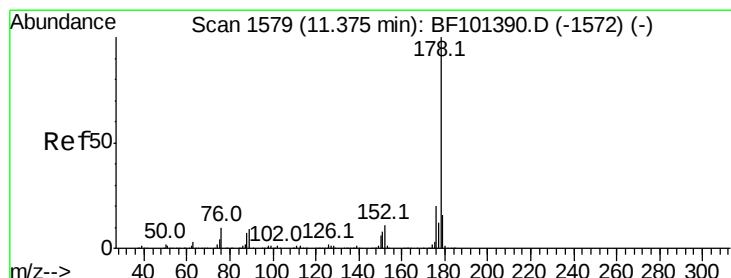
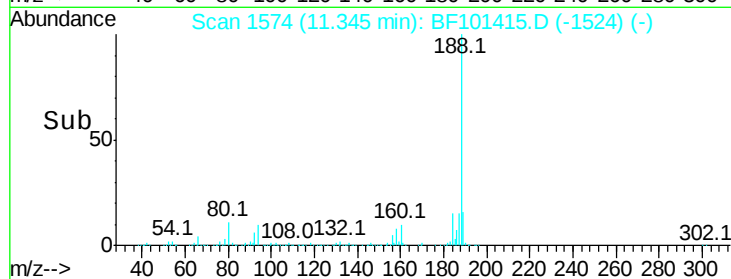
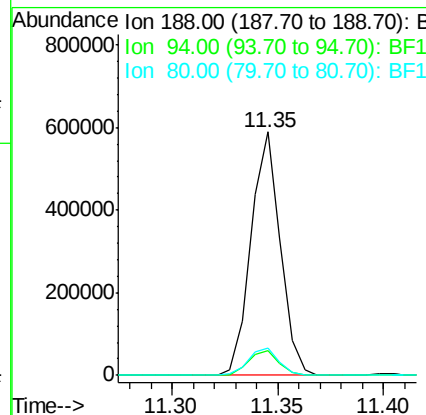
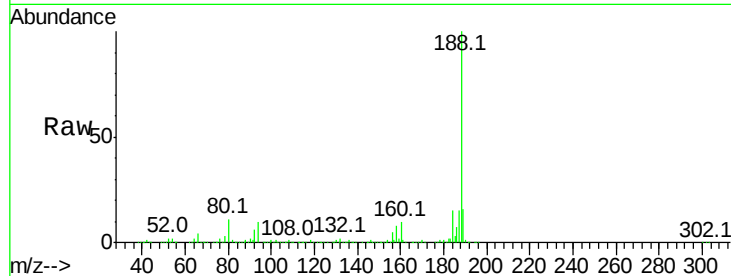
Instrument :
BNA_F
ClientSampleId :
WC-4539-01

Tot Ion:	188	Resp:	566881
Ion Ratio	Lower	Upper	
188	100		
94	10.3	8.5	12.7
80	11.3	9.2	13.8

Manual Integrations
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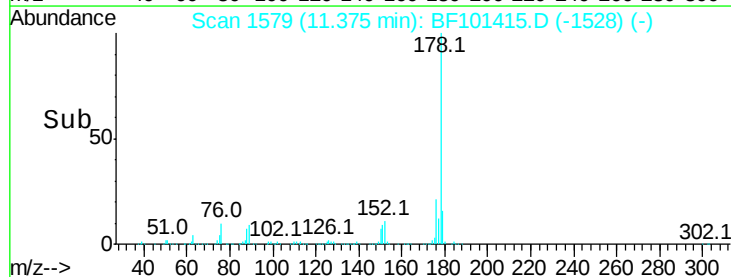
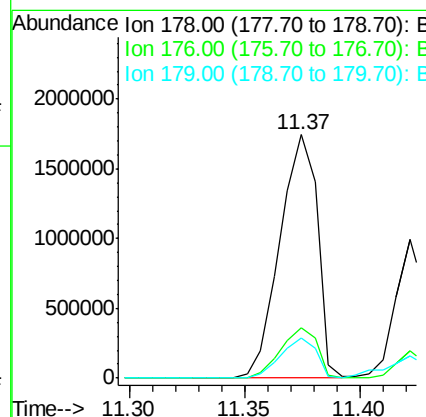
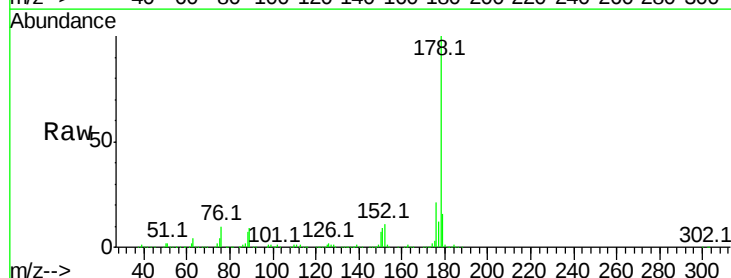
Sohil
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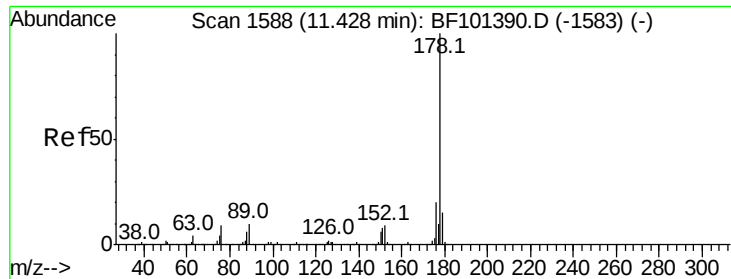
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#70
Phenanthrene
Concen: 62.131 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.00 min
Lab File: BF101415.D
Acq: 15 Dec 2017 1:10

Tgt Ion:	178	Resp:	1958692
Ion Ratio	Lower	Upper	
178	100		
176	20.7	15.8	23.8
179	16.3	13.0	19.6





#71
 Anthracene
 Concen: 27.396 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.01 min
 Lab File: BF101415.D
 Acq: 15 Dec 2017 1:10

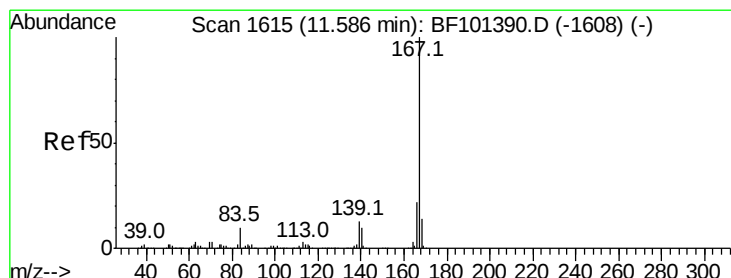
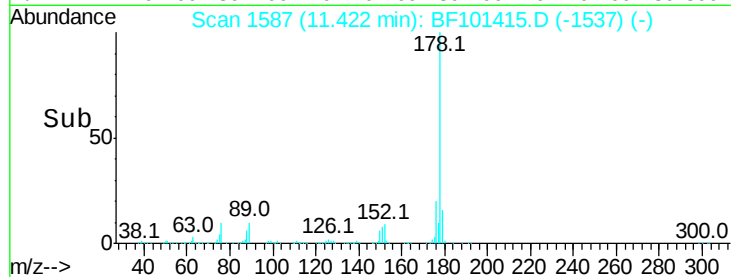
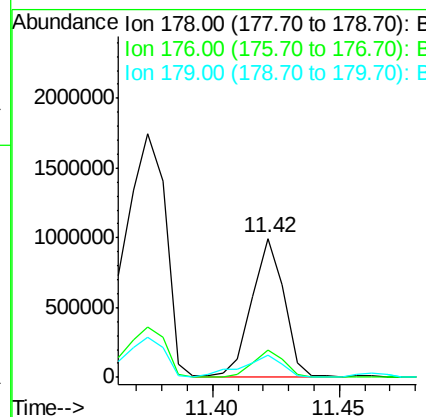
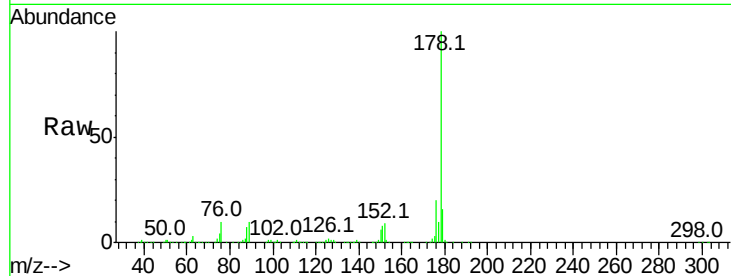
Instrument :
 BNA_F
 ClientSampleId :
 WC-4539-01

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.4	23.2
179	15.8	12.6	19.0

Manual Integrations
 APPROVED

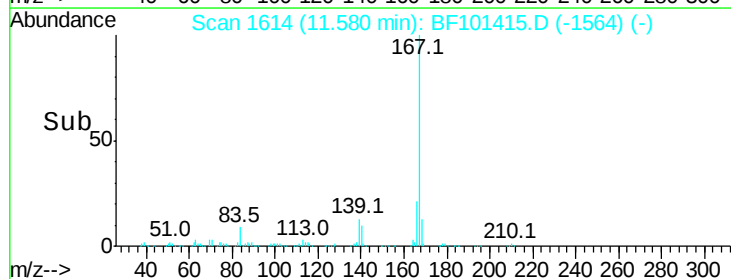
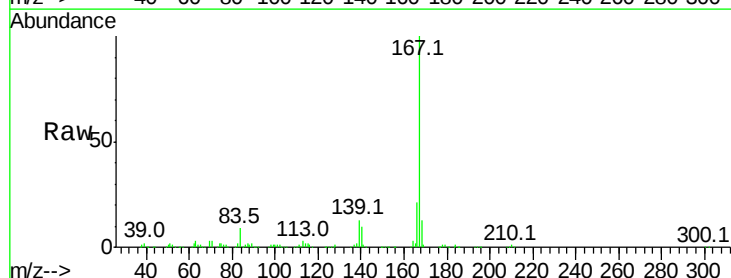
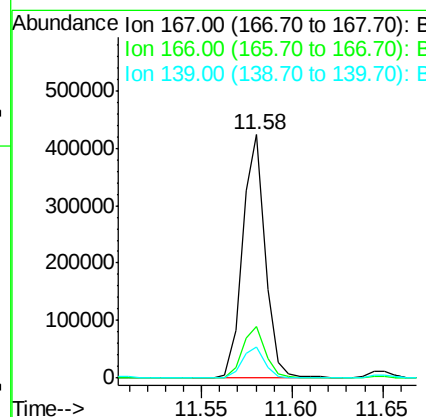
Sohil
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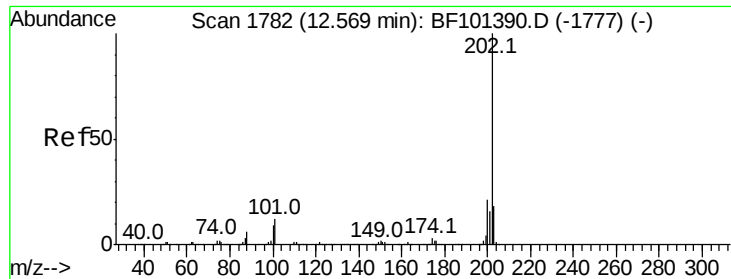
12/15/2017 6:44:51 PM



#72
 Carbazole
 Concen: 12.120 ng
 RT: 11.58 min Scan# 1614
 Delta R.T. -0.01 min
 Lab File: BF101415.D
 Acq: 15 Dec 2017 1:10

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.6	26.4
139	12.8	10.9	16.3





#74

Fluoranthene

Concen: 42.571 ng

RT: 12.56 min Scan# 1781

Delta R.T. -0.01 min

Lab File: BF101415.D

Acq: 15 Dec 2017 1:10

Instrument :

BNA_F

ClientSampleId :

WC-4539-01

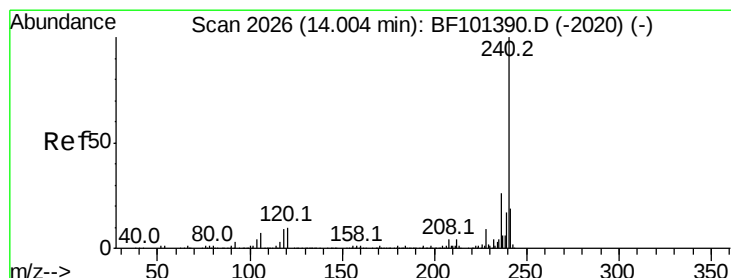
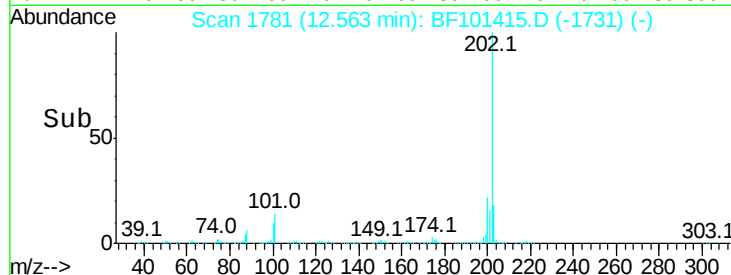
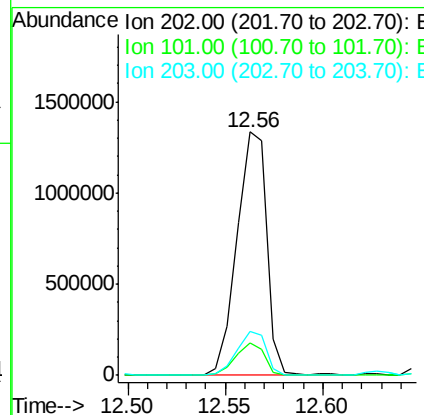
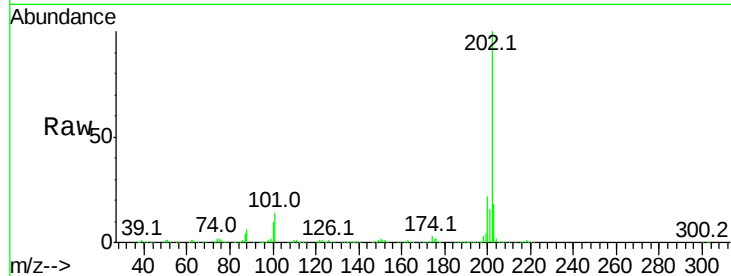
Tot Ion:	202	Resp:	1408668
Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	34.1
203	18.2	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

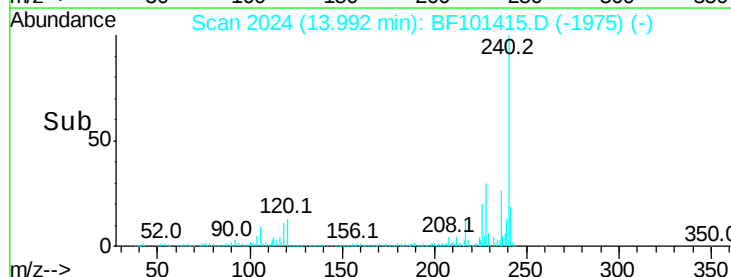
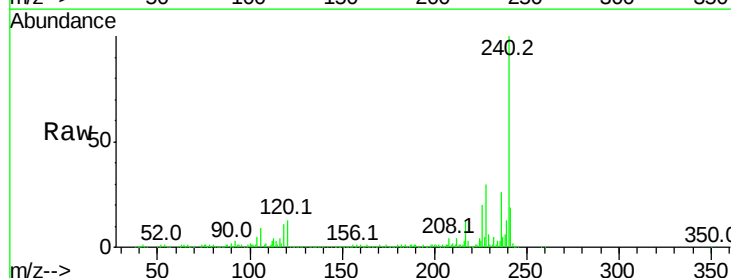
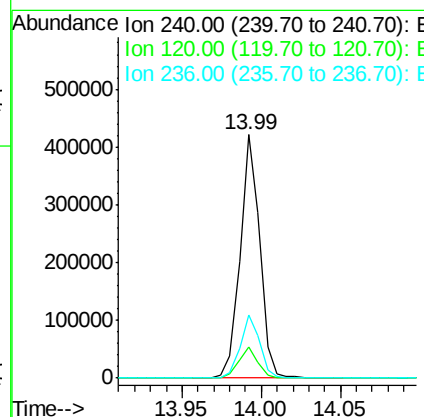
RT: 13.99 min Scan# 2024

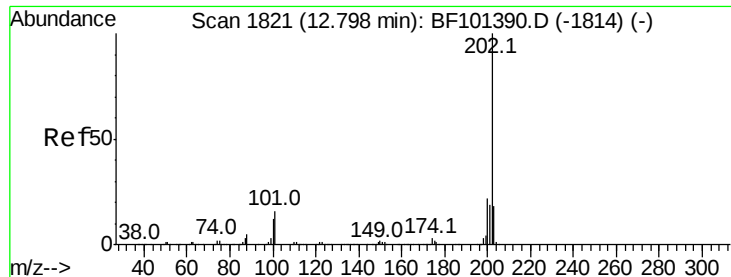
Delta R.T. -0.01 min

Lab File: BF101415.D

Acq: 15 Dec 2017 1:10

Tgt Ion:	240	Resp:	362111
Ion	Ratio	Lower	Upper
240	100		
120	13.0	9.5	14.3
236	26.0	20.7	31.1





#77
Pvrene
Concen: 40.072 ng
RT: 12.79 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BF101415.D
Acq: 15 Dec 2017 1:10

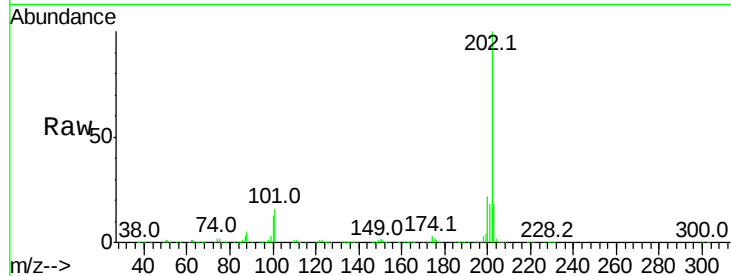
Instrument :
BNA_F
ClientSampleId :
WC-4539-01

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.2	17.4	26.2
203	18.1	14.3	21.5

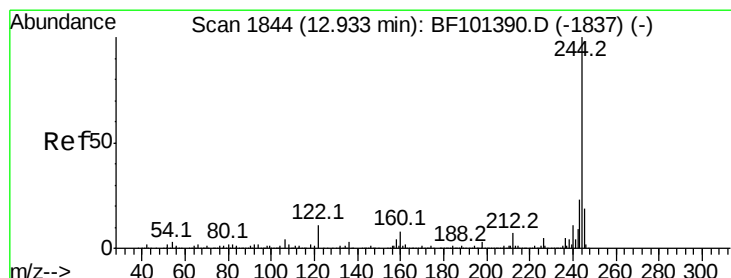
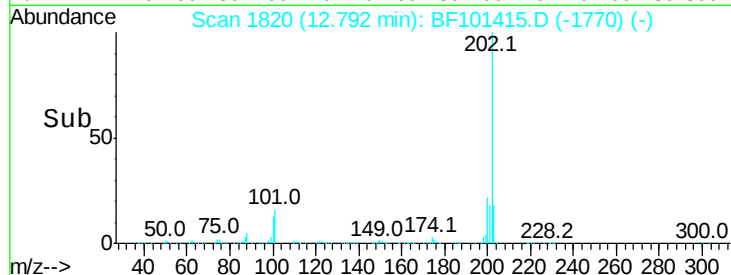
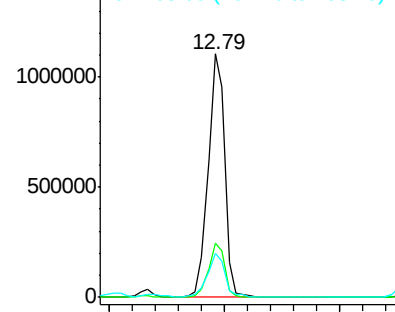
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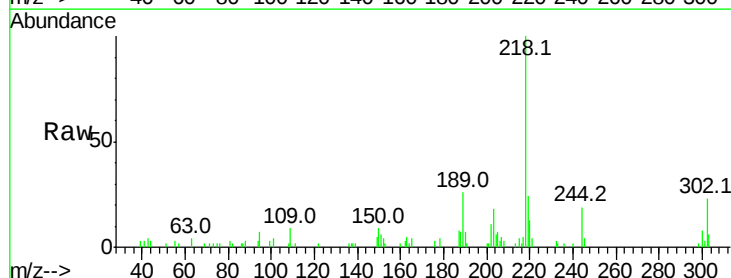


Abundance Ion 202.00 (201.70 to 202.70): E
1500000
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

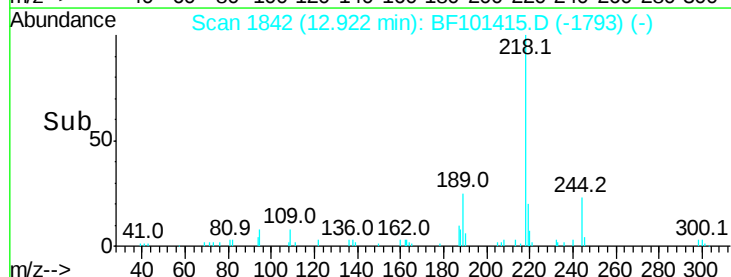
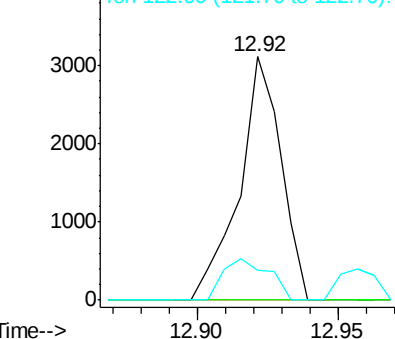


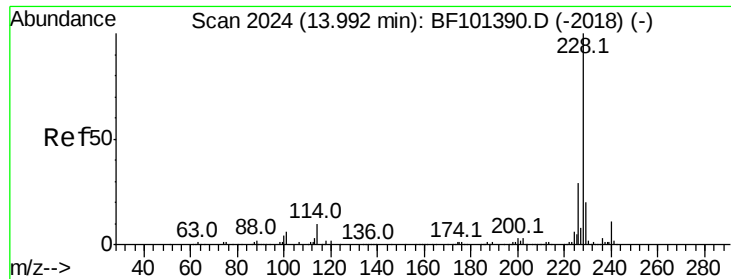
#78
Terphenyl-d14
Concen: 0.213 ng
RT: 12.92 min Scan# 1842
Delta R.T. -0.01 min
Lab File: BF101415.D
Acq: 15 Dec 2017 1:10

Tgt Ion	Ratio	Lower	Upper
244	100		
212	0.0	5.4	8.0#
122	12.3	11.0	16.4



Abundance Ion 244.00 (243.70 to 244.70): E
4000
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#80
Benzo(a)anthracene
Concen: 20.554 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF101415.D
Acq: 15 Dec 2017 1:10

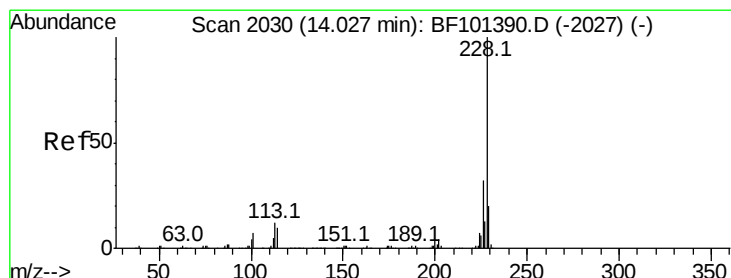
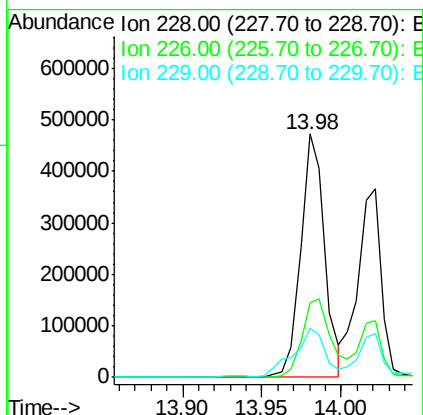
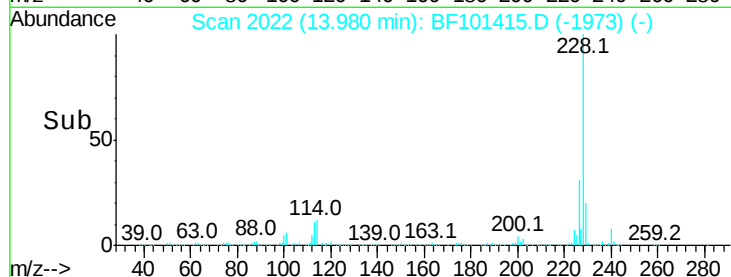
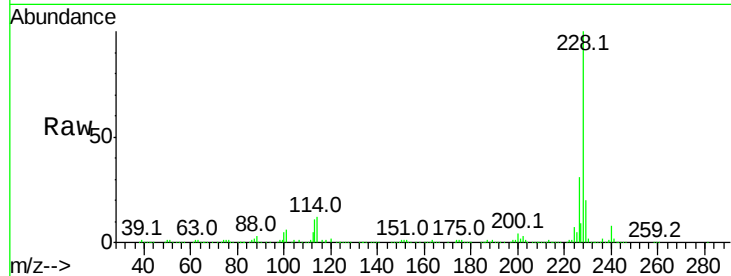
Instrument :
BNA_F
ClientSampleId :
WC-4539-01

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	22.6	33.8
229	20.3	15.8	23.6

Manual Integrations
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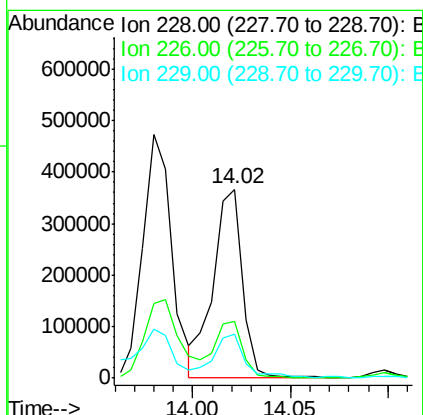
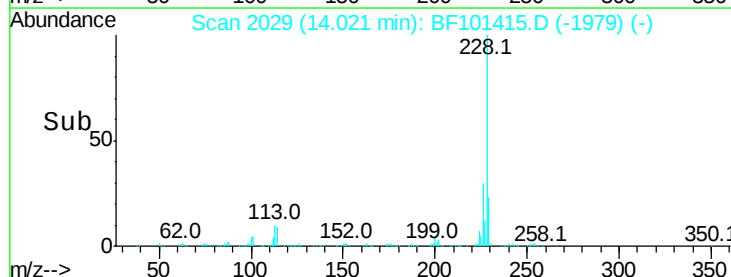
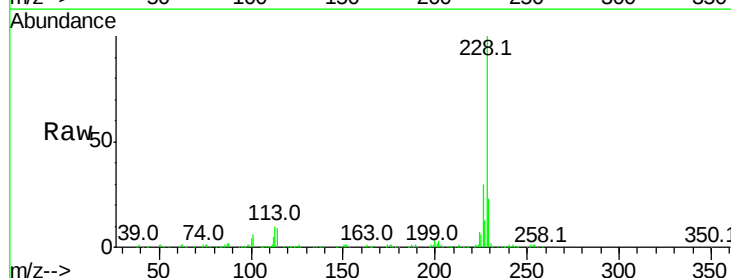
Sohil
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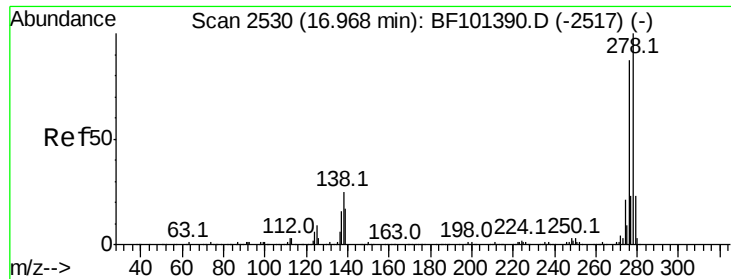
12/15/2017 6:44:51 PM



#82
Chrysene
Concen: 16.860 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF101415.D
Acq: 15 Dec 2017 1:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.0	37.6
229	23.1	16.2	24.4





#85
Indeno(1,2,3-cd)pyrene
Concen: 6.808 ng
RT: 16.94 min Scan# 2525
Delta R.T. -0.03 min
Lab File: BF101415.D
Acq: 15 Dec 2017 1:10

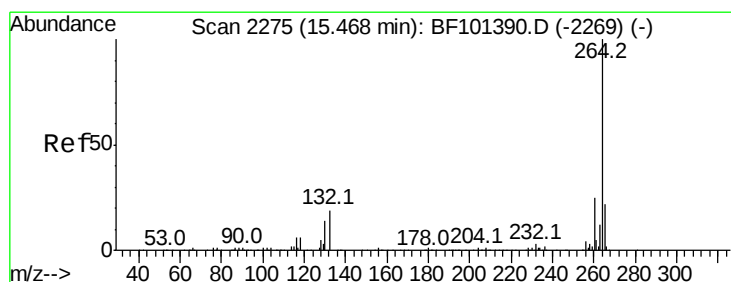
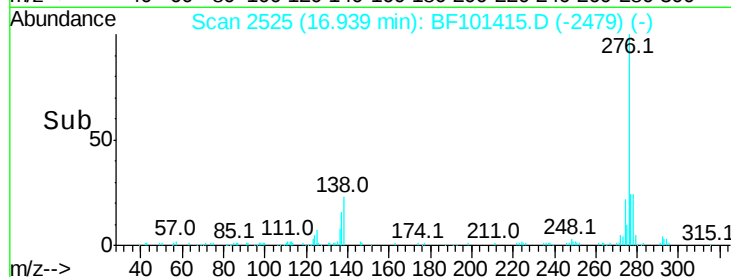
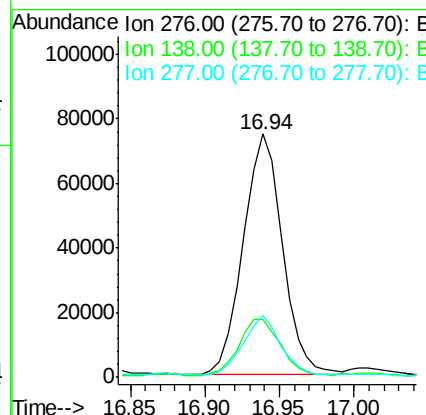
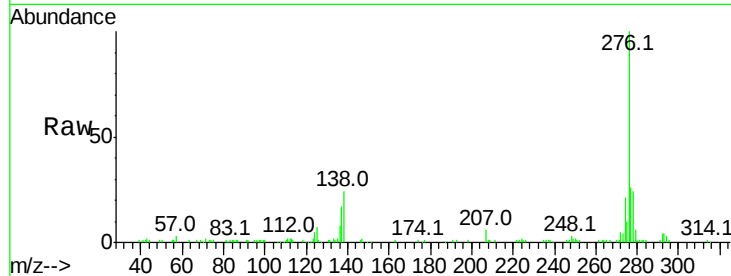
Instrument :
BNA_F
ClientSampleId :
WC-4539-01

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.3	25.0	37.6#
277	23.0	20.1	30.1

Manual Integrations
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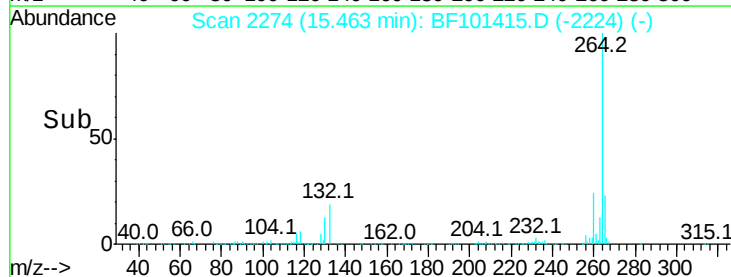
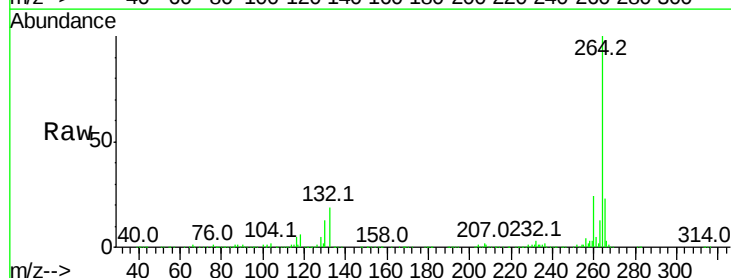
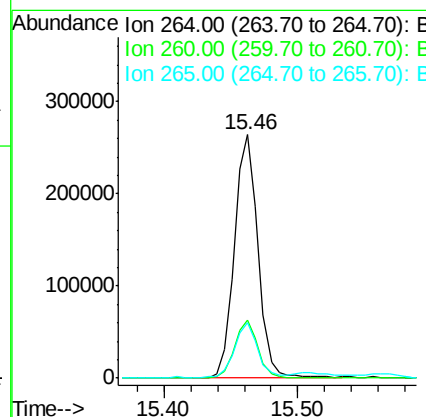
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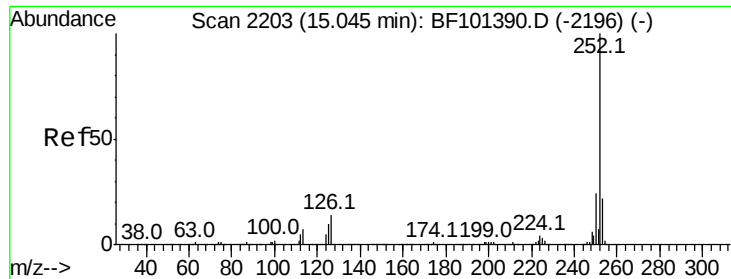
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF101415.D
Acq: 15 Dec 2017 1:10

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.8	17.5	26.3





#87
Benzo(b)fluoranthene
Concen: 18.440 ng m
RT: 15.03 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF101415.D
Acq: 15 Dec 2017 1:10

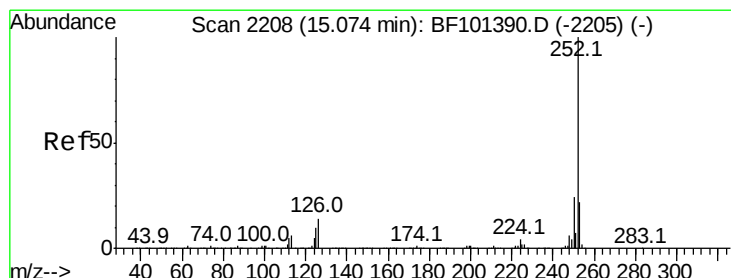
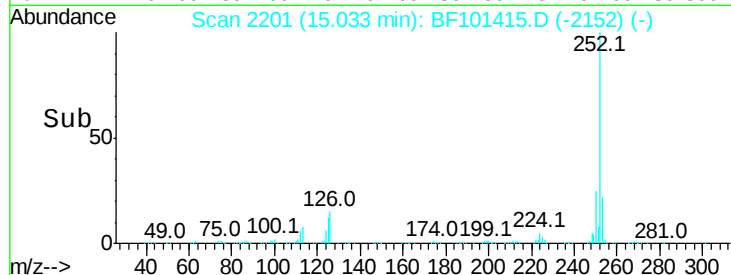
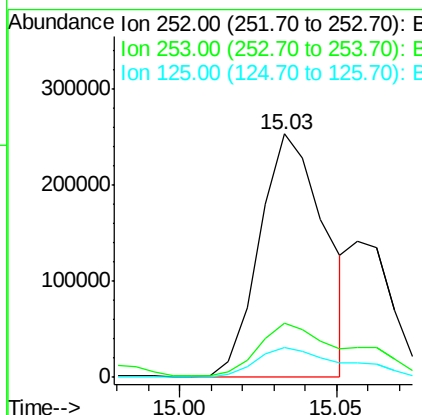
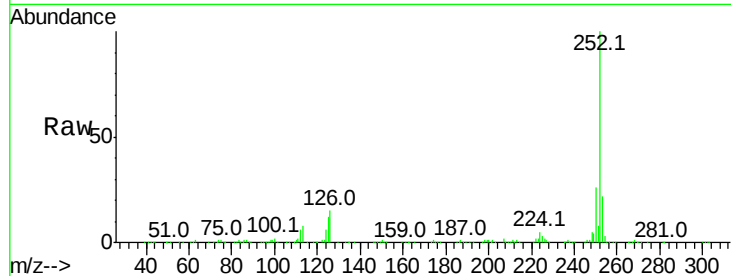
Instrument :
BNA_F
ClientSampleId :
WC-4539-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.6
125	12.1	9.0	13.6

Manual Integrations
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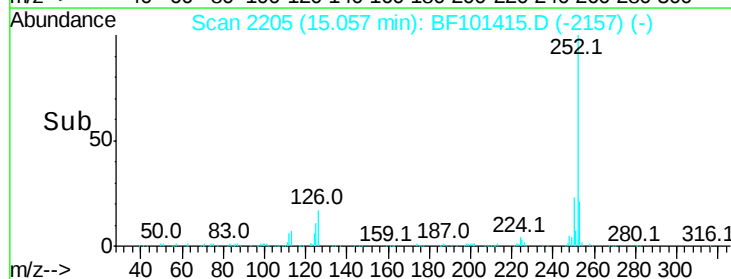
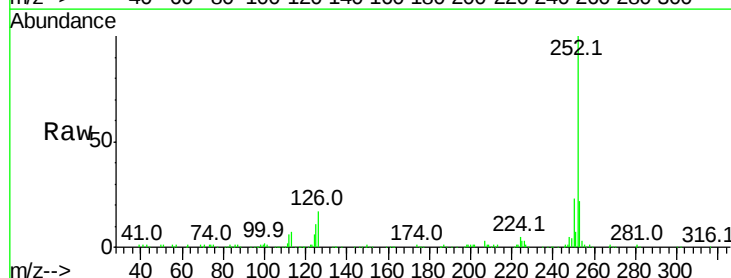
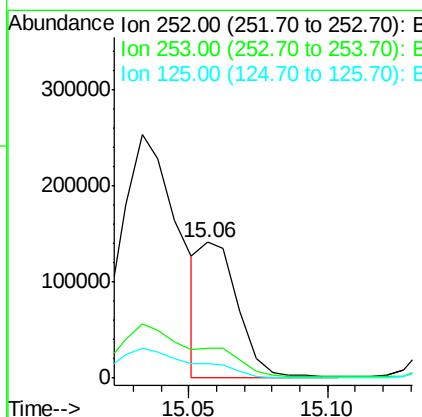
Sohil
12/15/2017 6:44:51 PM

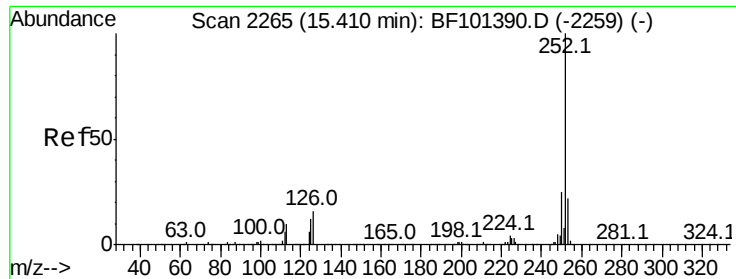
12/15/2017 6:44:51 PM



#88
Benzo(k)fluoranthene
Concen: 6.856 ng m
RT: 15.06 min Scan# 2205
Delta R.T. -0.02 min
Lab File: BF101415.D
Acq: 15 Dec 2017 1:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.9	26.9
125	11.1	10.2	15.2





#89
Benzo(a)pyrene
Concen: 15.442 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.01 min
Lab File: BF101415.D
Acq: 15 Dec 2017 1:10

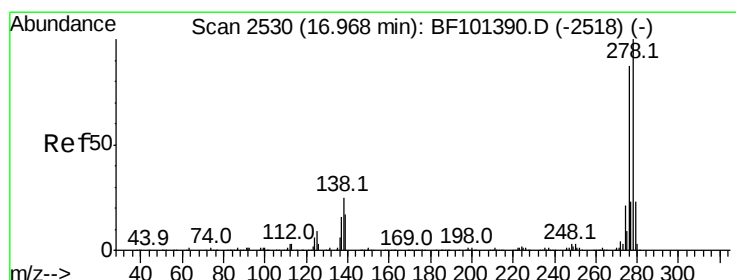
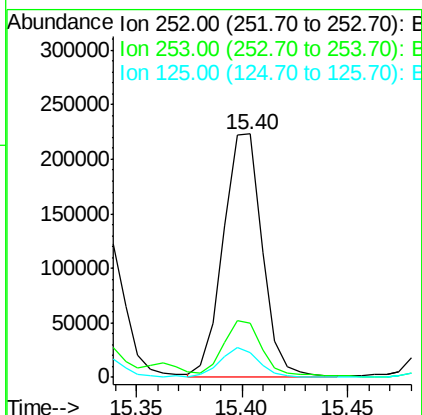
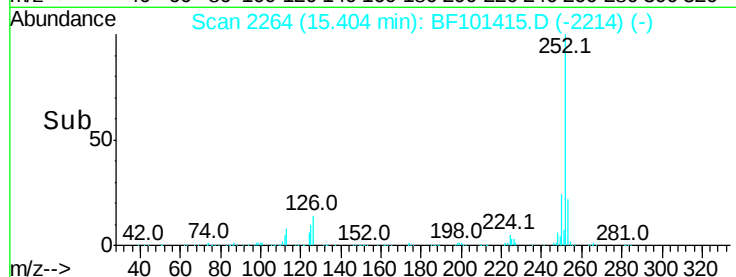
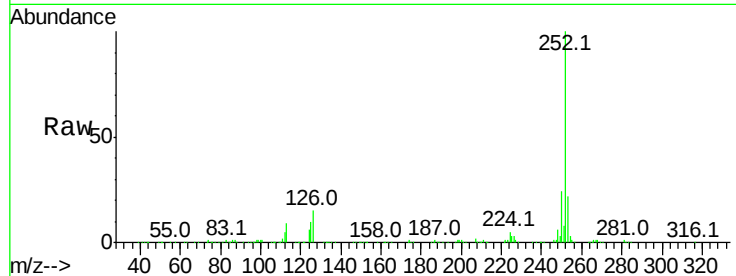
Instrument :
BNA_F
ClientSampleId :
WC-4539-01

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.5	17.1	25.7
125	10.4	9.8	14.6

Manual Integrations
APPROVED

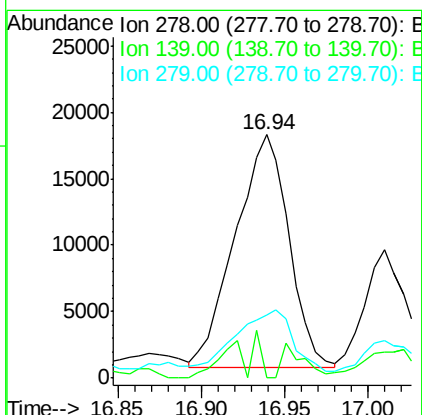
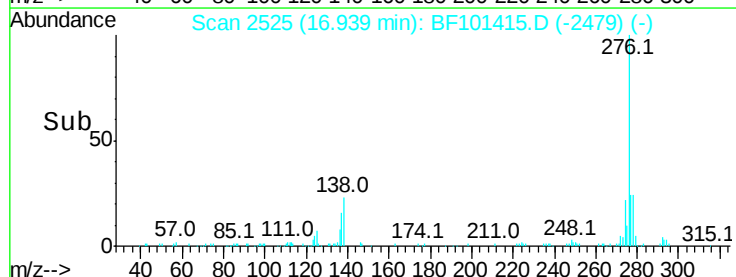
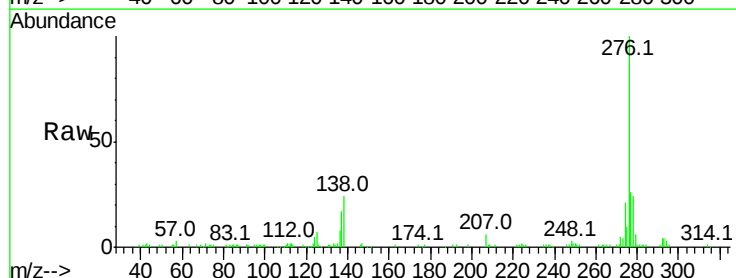
Sohil
12/15/2017 6:44:51 PM

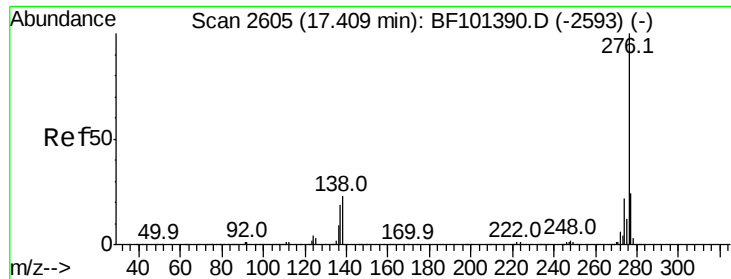
12/15/2017 6:44:51 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.489 ng m
RT: 16.94 min Scan# 2525
Delta R.T. -0.03 min
Lab File: BF101415.D
Acq: 15 Dec 2017 1:10

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	25.9	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 7.341 ng
 RT: 17.39 min Scan# 2601
 Delta R.T. -0.02 min
 Lab File: BF101415.D
 Acq: 15 Dec 2017 1:10

Instrument :
 BNA_F
 ClientSampleId :
 WC-4539-01

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	24.0	17.9	26.9
138	24.0	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 12/15/2017 6:44:51 PM

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