

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031418\
 Data File : BF103642.D
 Acq On : 14 Mar 2018 15:58
 Operator : SJ/JU
 Sample : J1754-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-031318-D

Manual Integrations
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Quant Time: Mar 15 09:04:04 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 14 18:08:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	116617	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	479131	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	180332	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	258565	20.00	ng	0.00
75) Chrysene-d12	14.06	240	206457	20.00	ng	0.00
86) Perylene-d12	15.57	264	179657	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	642612m	83.34	ng	0.00
7) Phenol-d6	6.50	99	792677	84.01	ng	0.00
23) Nitrobenzene-d5	7.43	82	513682	61.23	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	78190	51.22	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	682875	60.87	ng	0.00
78) Terphenyl-d14	12.97	244	429360	49.99	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.16	128	565349	24.101	ng	99
37) 2-Methylnaphthalene	8.85	142	290131	19.138	ng	97
45) 1,1'-Biphenyl	9.32	154	42840	2.835	ng	98
48) Acenaphthylene	9.76	152	51996	2.827	ng	# 92
51) Acenaphthene	9.93	154	27060	2.523	ng	89
54) Dibenzofuran	10.11	168	34727	2.359	ng	# 87
57) Fluorene	10.45	166	133445	10.640	ng	# 99
70) Phenanthrene	11.42	178	492760	34.629	ng	99
71) Anthracene	11.48	178	130527	8.945	ng	99
73) Di-n-butylphthalate	11.93	149	70404	3.872	ng	# 95
74) Fluoranthene	12.62	202	222877	15.587	ng	99
77) Pylene	12.85	202	269188	16.723	ng	99
80) Benzo(a)anthracene	14.04	228	100930m	7.535	ng	
82) Chrysene	14.08	228	88088	6.772	ng	97
85) Indeno(1,2,3-cd)pyrene	17.14	276	22980	2.232	ng	99
87) Benzo(b)fluoranthene	15.13	252	69501m	5.884	ng	
89) Benzo(a)pyrene	15.51	252	51896	4.920	ng	# 71
91) Benzo(g,h,i)perylene	17.62	276	20765	2.607	ng	# 65

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

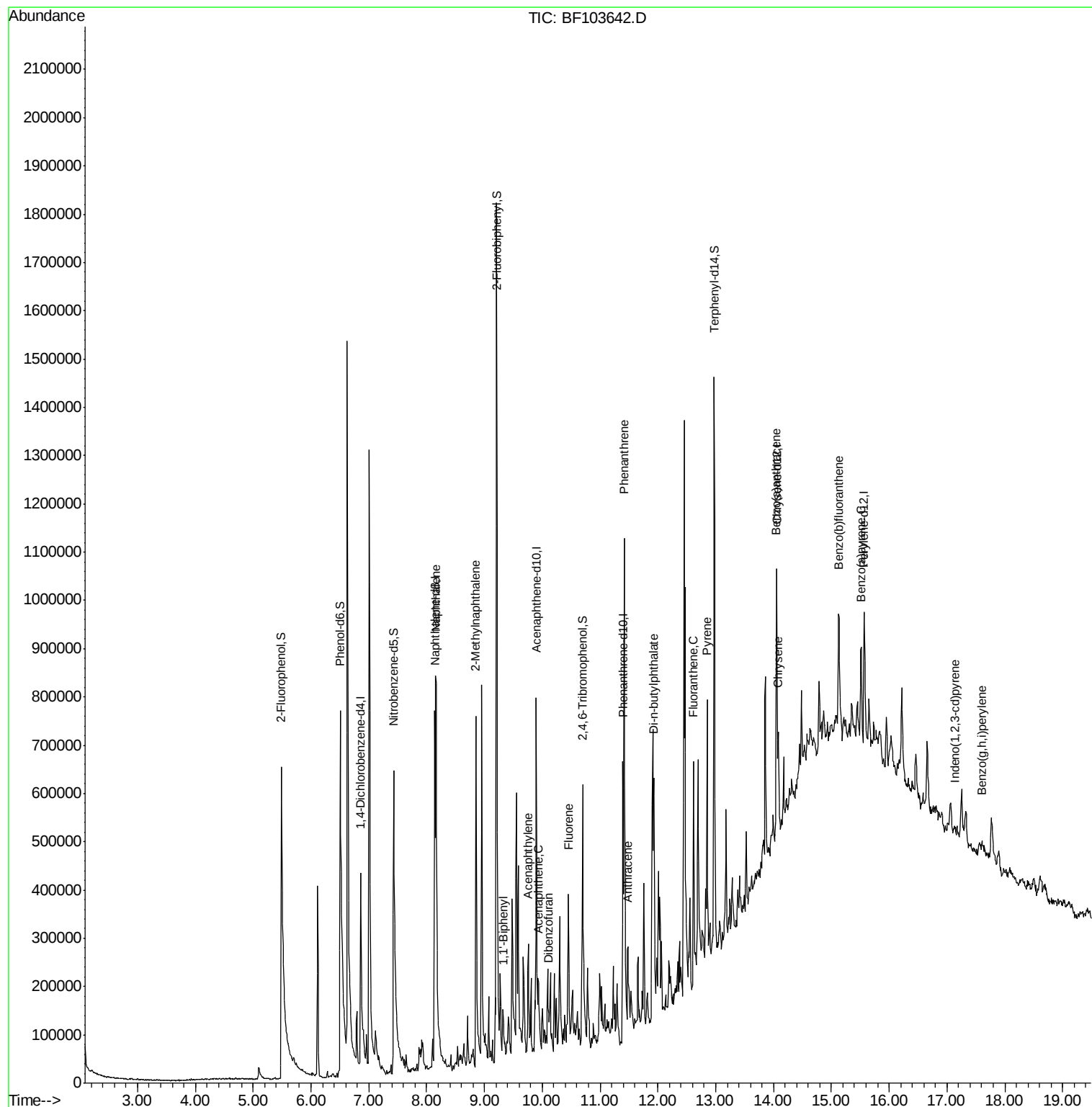
Data Path : Z:\HPCHEM1\BNA F\DATA\BF031418\
Data File : BF103642.D
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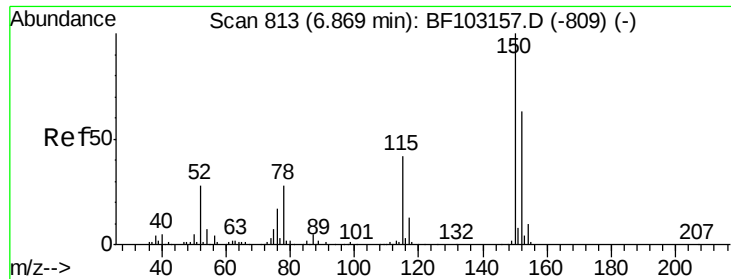
Instrument :
BNA_F
ClientSampled :
CL-01-031318-D

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#1

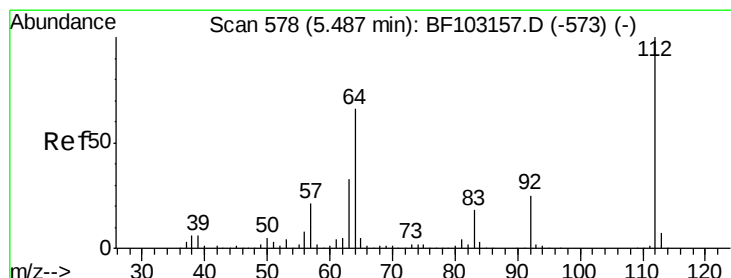
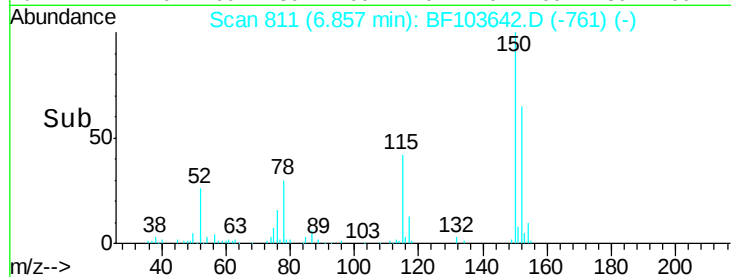
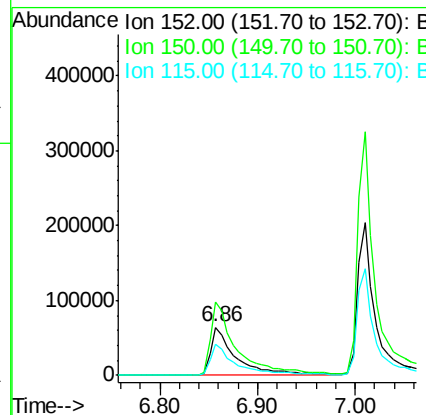
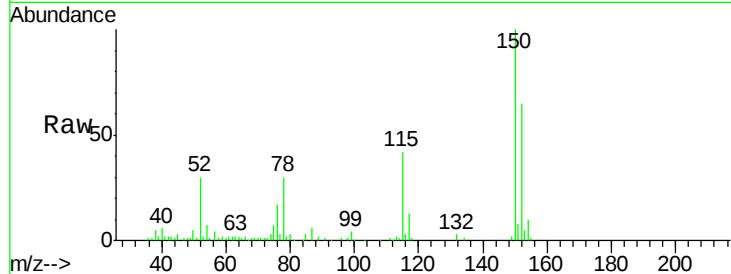
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF103642.D
Acq: 14 Mar 2018 15:58

Instrument :
BNA_F
ClientSampleId :
CL-01-031318-D

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	124.6	186.8
115	64.5	50.1	75.1

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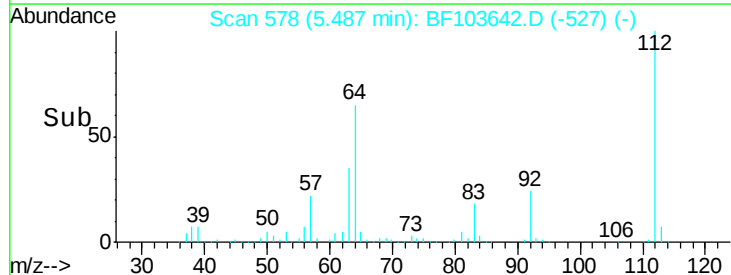
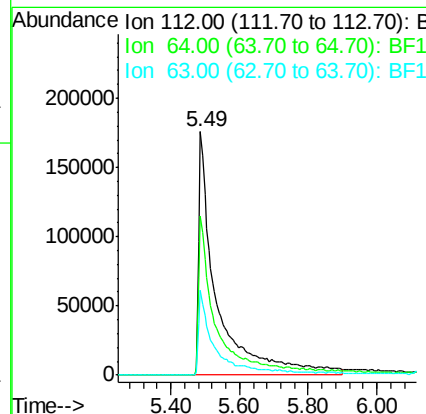
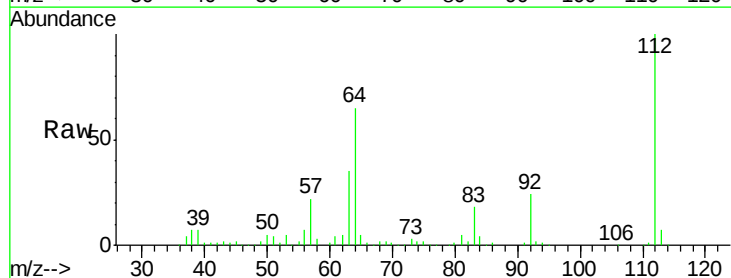
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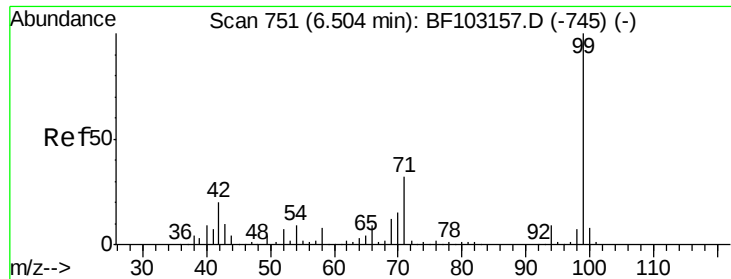


#5

2-Fluorophenol
Concen: 83.342 ng m
RT: 5.49 min Scan# 578
Delta R.T. 0.00 min
Lab File: BF103642.D
Acq: 14 Mar 2018 15:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.4	47.9	71.9
63	34.6	23.7	35.5





#7

Phenol-d6

Concen: 84.014 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF103642.D

Acq: 14 Mar 2018 15:58

Instrument :

BNA_F

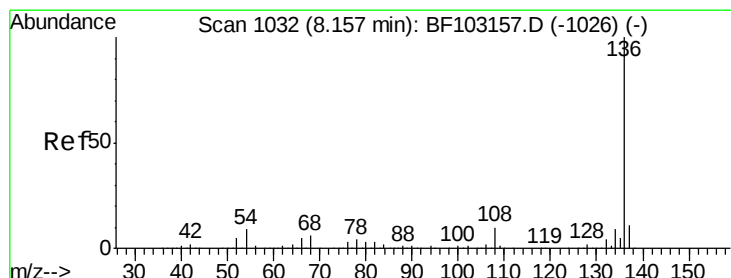
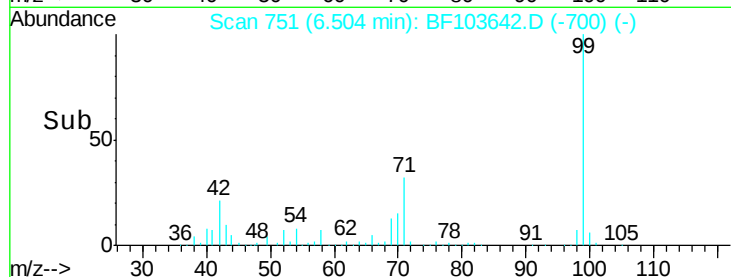
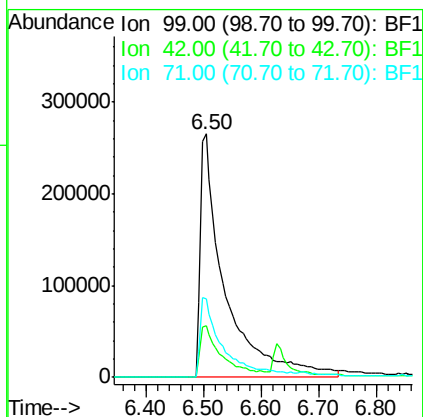
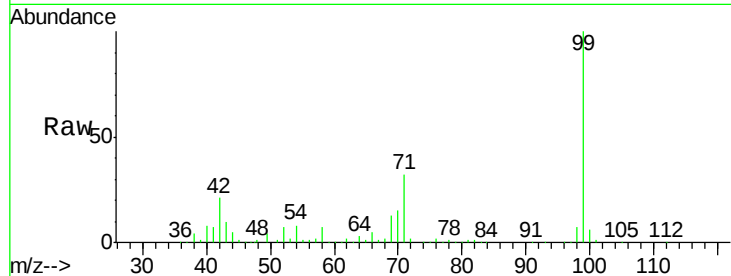
ClientSampled :

CL-01-031318-D

Tot Ion:	99	Resp:	792677
Ion Ratio	Lower	Upper	
99	100		
42	21.5	14.5	21.7
71	32.2	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

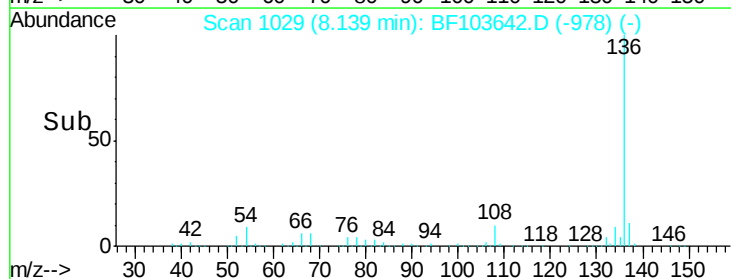
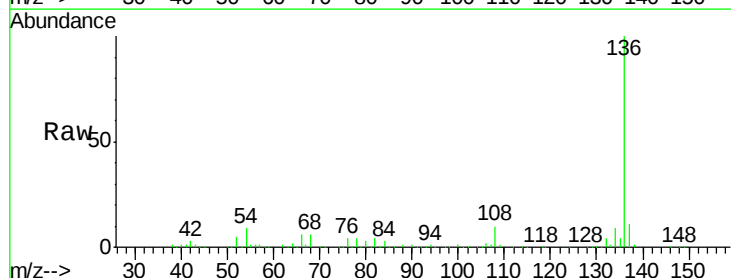
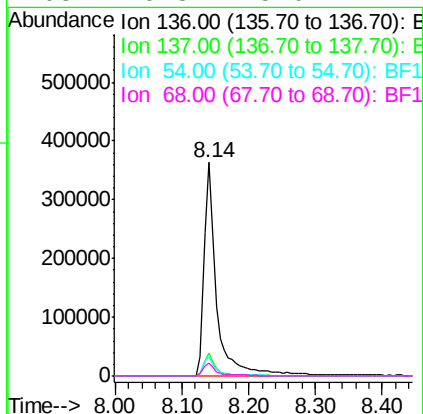
RT: 8.14 min Scan# 1029

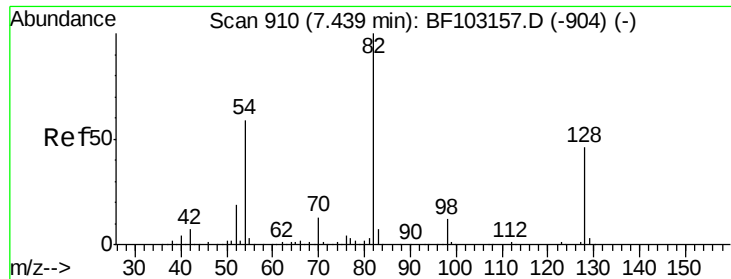
Delta R.T. 0.00 min

Lab File: BF103642.D

Acq: 14 Mar 2018 15:58

Tgt Ion:	136	Resp:	479131
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.9	13.3
54	9.1	6.6	9.8
68	6.3	5.0	7.4





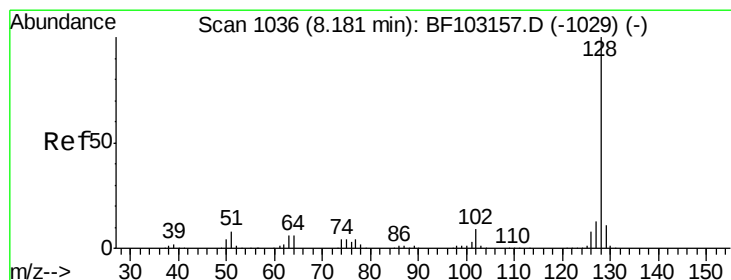
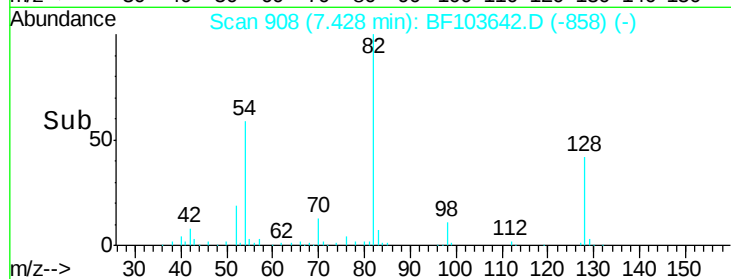
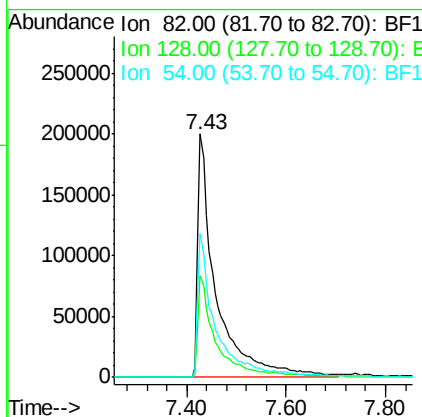
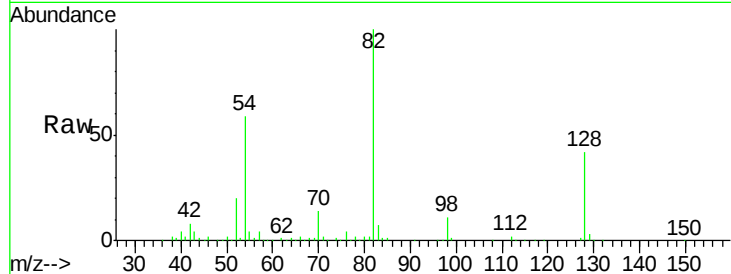
#23
Nitrobenzene-d5
Concen: 61.227 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF103642.D
Acq: 14 Mar 2018 15:58

Instrument :
BNA_F
ClientSampleId :
CL-01-031318-D

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.9	36.1	54.1
54	59.2	41.4	62.2

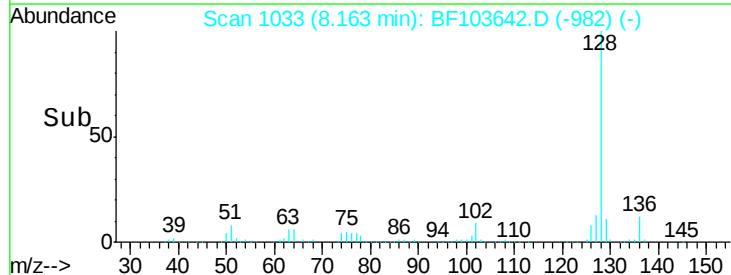
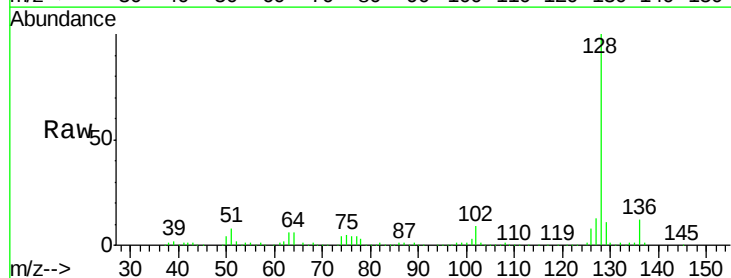
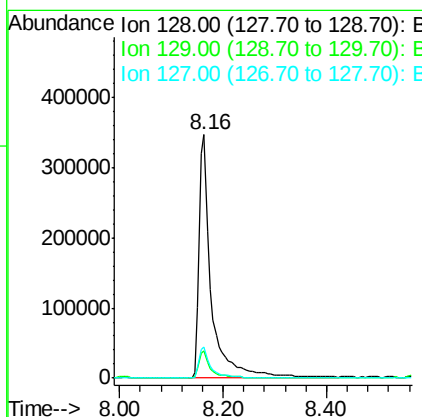
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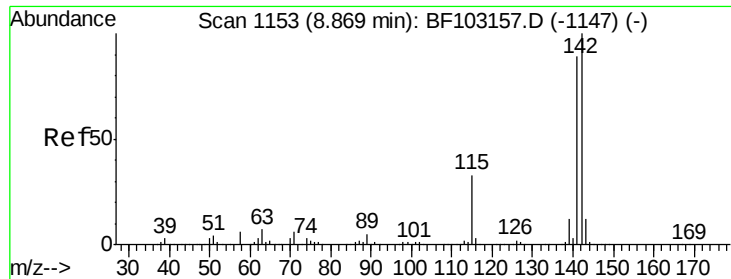
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#31
Naphthalene
Concen: 24.101 ng
RT: 8.16 min Scan# 1033
Delta R.T. 0.00 min
Lab File: BF103642.D
Acq: 14 Mar 2018 15:58

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	12.6	10.9	16.3





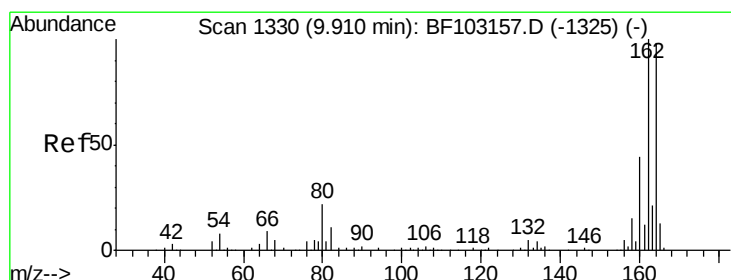
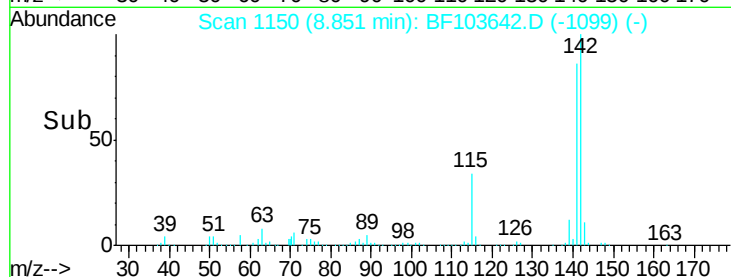
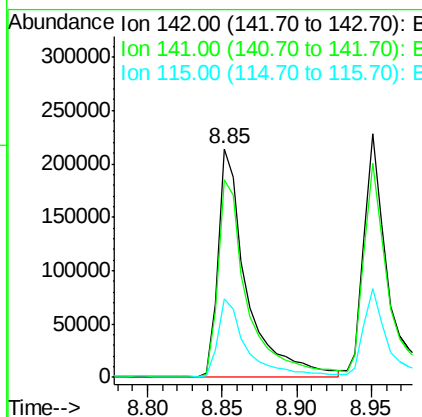
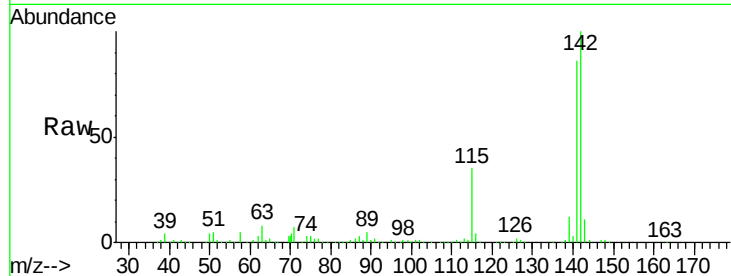
#37
2-Methylnaphthalene
Concen: 19.138 ng
RT: 8.85 min Scan# 1150
Delta R.T. 0.00 min
Lab File: BF103642.D
Acq: 14 Mar 2018 15:58

Instrument :
BNA_F
ClientSampleId :
CL-01-031318-D

Tot Ion	Ratio	Resp	Lower	Upper
142	100	290131		
141	86.5	70.8	106.2	
115	34.6	26.1	39.1	

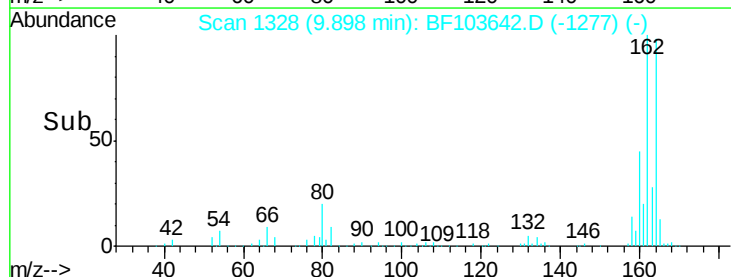
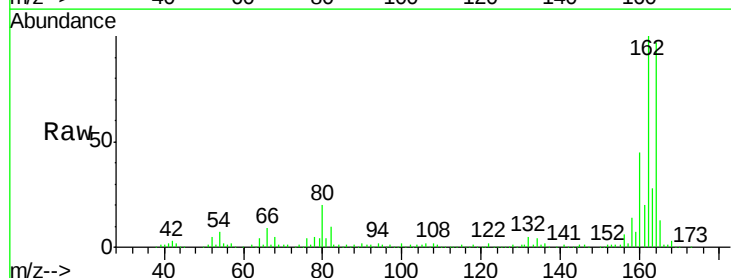
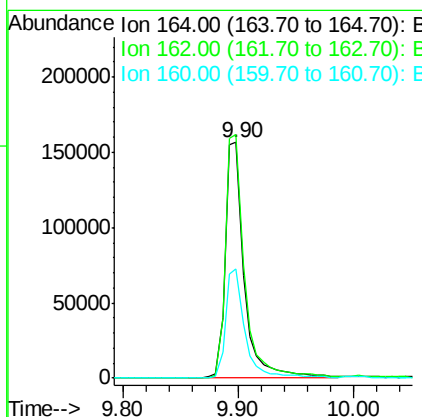
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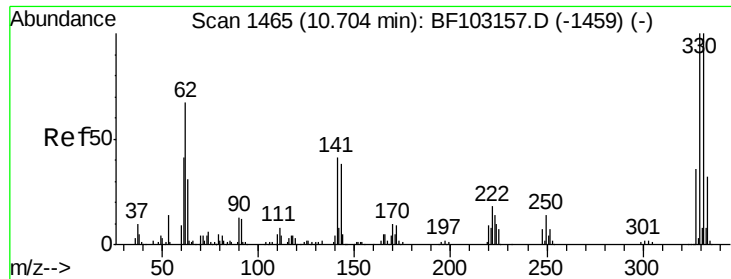
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.00 min
Lab File: BF103642.D
Acq: 14 Mar 2018 15:58

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	180332		
162	103.4	86.1	129.1	
160	46.4	38.3	57.5	





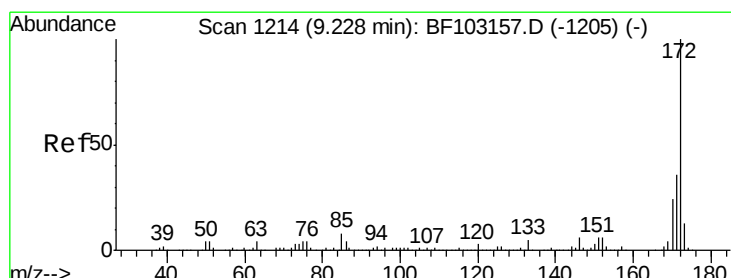
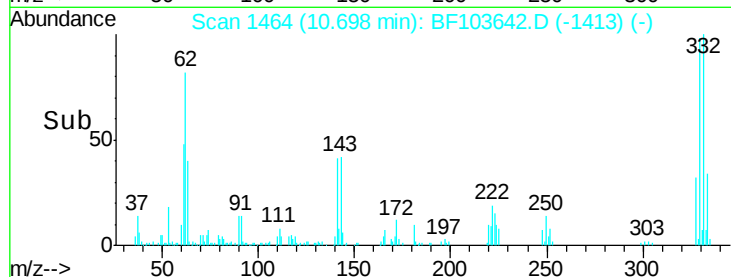
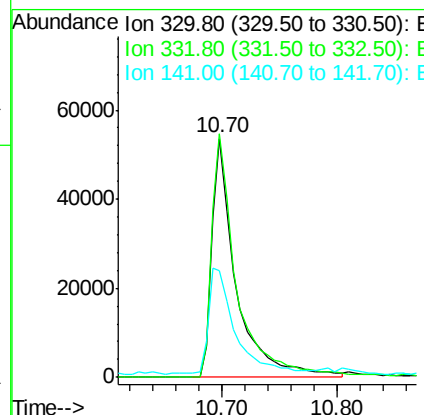
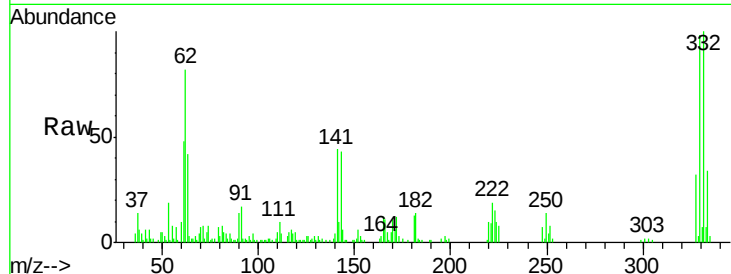
#41
 2,4,6-Tribromophenol
 Concen: 51.225 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.00 min
 Lab File: BF103642.D
 Acq: 14 Mar 2018 15:58

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-031318-D

Tot Ion	Ratio	Lower	Upper
330	100		
332	105.4	77.0	115.6
141	50.4	29.9	44.9

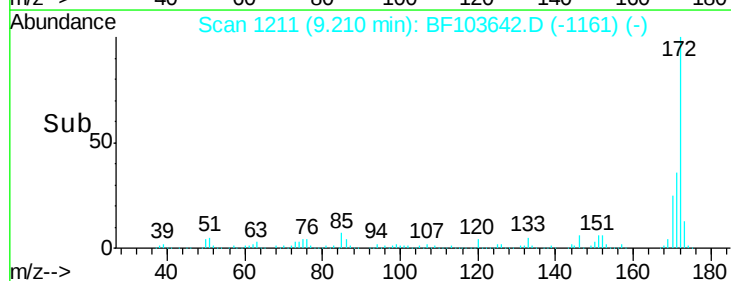
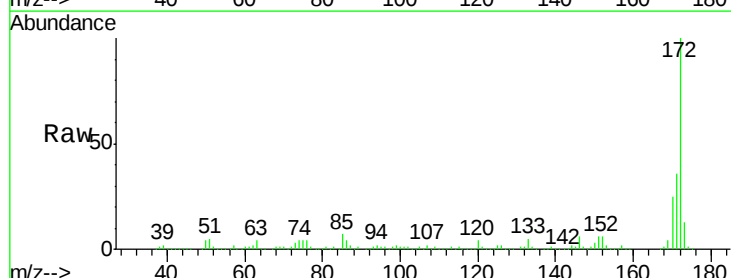
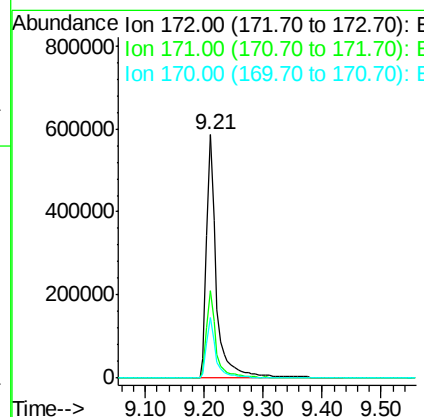
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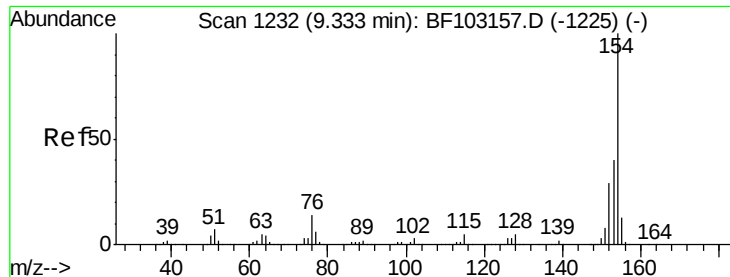
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#44
 2-Fluorobiphenyl
 Concen: 60.870 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF103642.D
 Acq: 14 Mar 2018 15:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	24.9	19.6	29.4





#45

1,1'-Biphenyl

Concen: 2.835 ng

RT: 9.32 min Scan# 1230

Delta R.T. 0.01 min

Lab File: BF103642.D

Acq: 14 Mar 2018 15:58

Instrument :

BNA_F

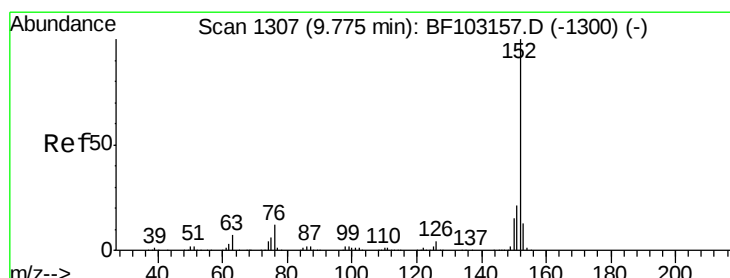
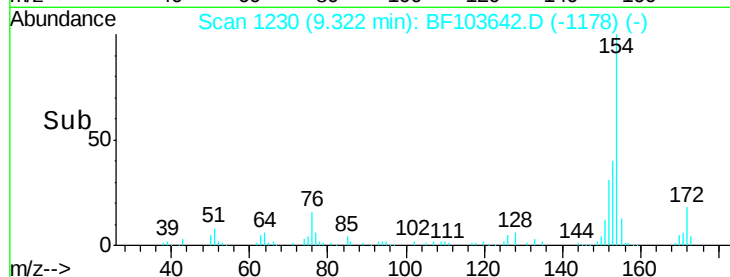
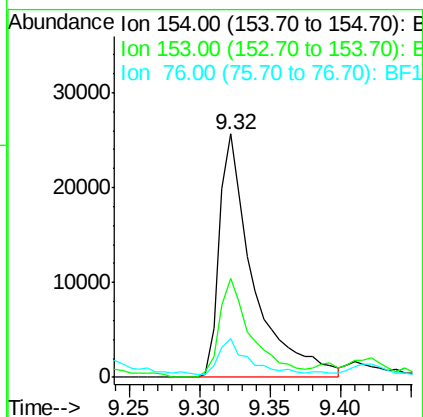
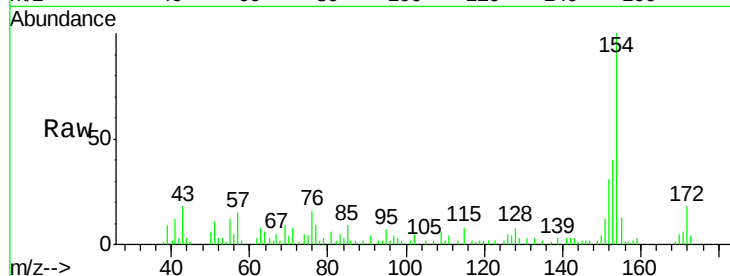
ClientSampleId :

CL-01-031318-D

Tot Ion:	154	Resp:	42840
Ion Ratio	Lower	Upper	
154	100		
153	40.4	21.3	61.3
76	15.7	0.0	34.0

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#48

Acenaphthylene

Concen: 2.827 ng

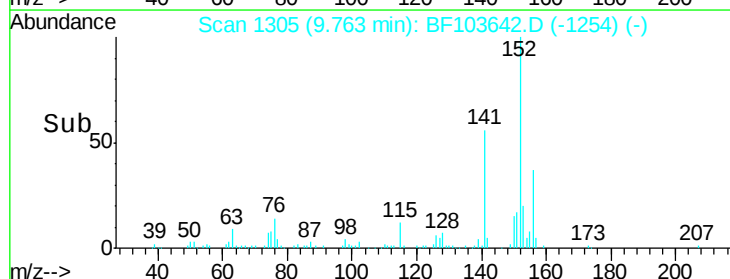
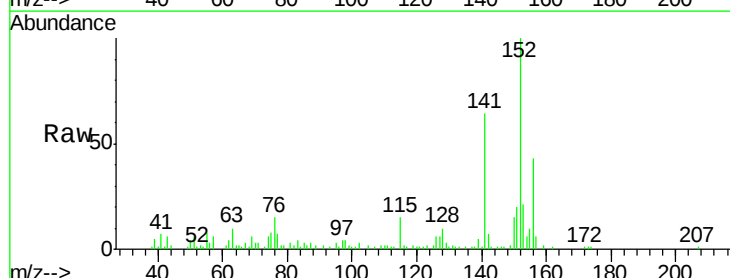
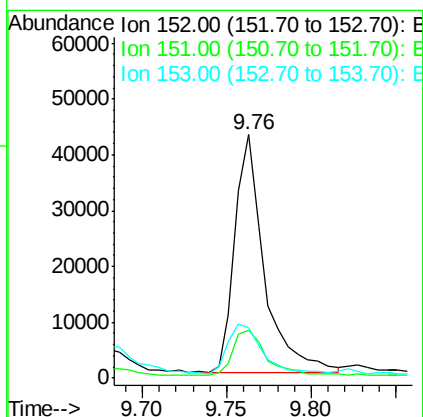
RT: 9.76 min Scan# 1305

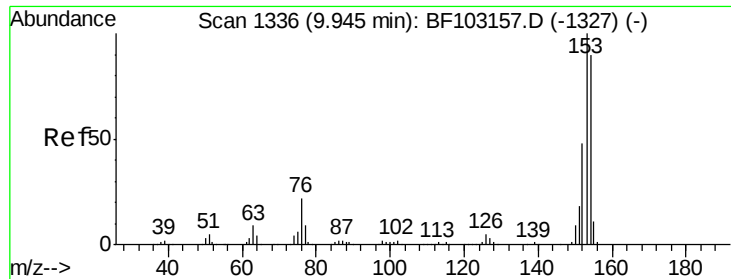
Delta R.T. 0.00 min

Lab File: BF103642.D

Acq: 14 Mar 2018 15:58

Tgt Ion:	152	Resp:	51996
Ion Ratio	Lower	Upper	
152	100		
151	19.9	16.3	24.5
153	20.8	10.7	16.1#





#51

Acenaphthene

Concen: 2.523 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF103642.D

Acq: 14 Mar 2018 15:58

Instrument :

BNA_F

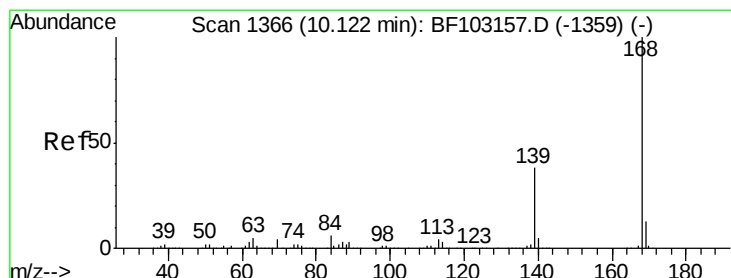
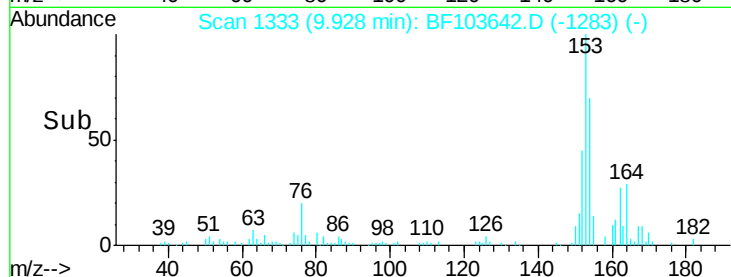
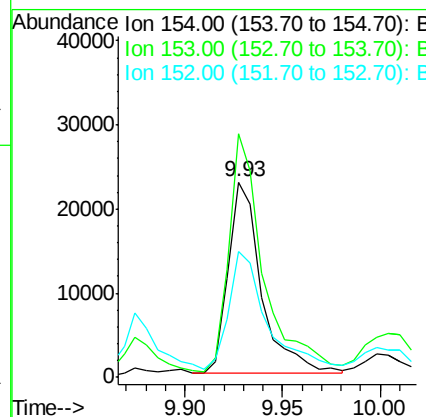
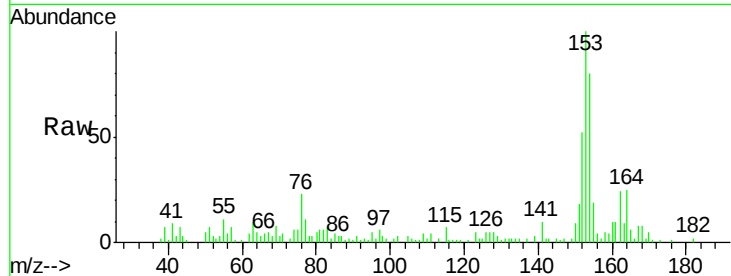
ClientSampleId :

CL-01-031318-D

Tot Ion:	154	Resp:	27060
Ion Ratio	Lower	Upper	
154	100		
153	124.6	91.2	136.8
152	64.7	43.8	65.8

Manual Integrations
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#54

Dibenzofuran

Concen: 2.359 ng

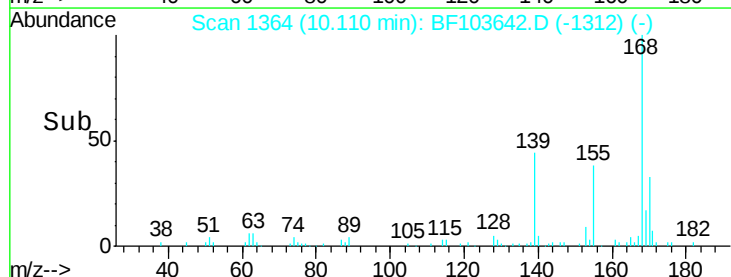
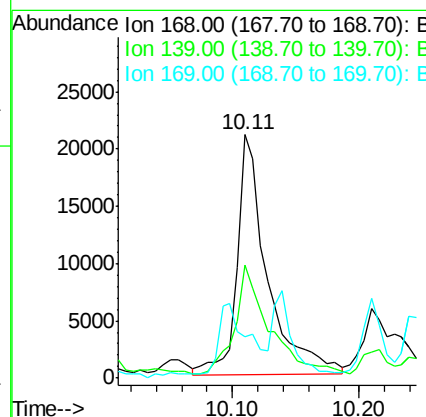
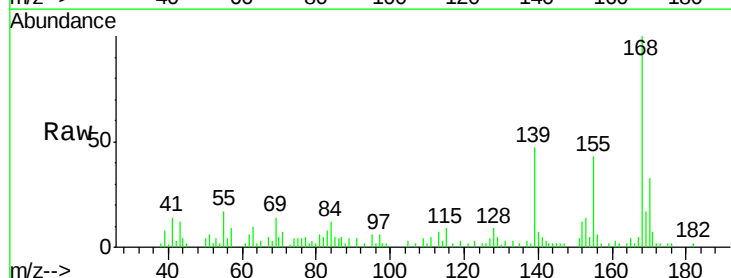
RT: 10.11 min Scan# 1364

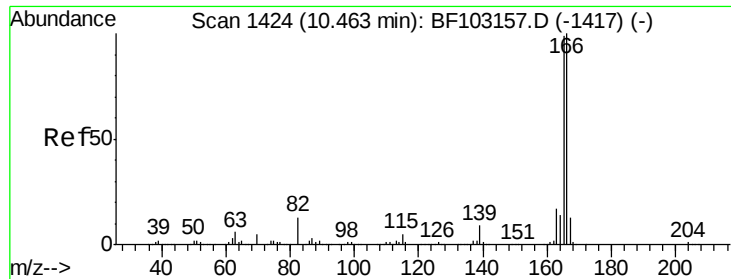
Delta R.T. 0.01 min

Lab File: BF103642.D

Acq: 14 Mar 2018 15:58

Tgt Ion:	168	Resp:	34727
Ion Ratio	Lower	Upper	
168	100		
139	46.6	30.1	45.1#
169	17.2	10.9	16.3#





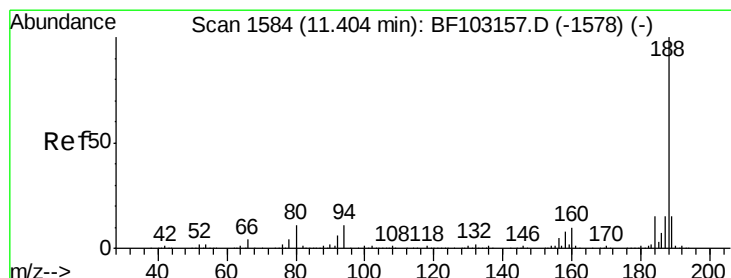
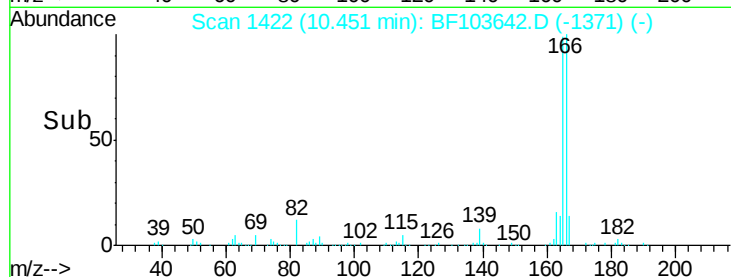
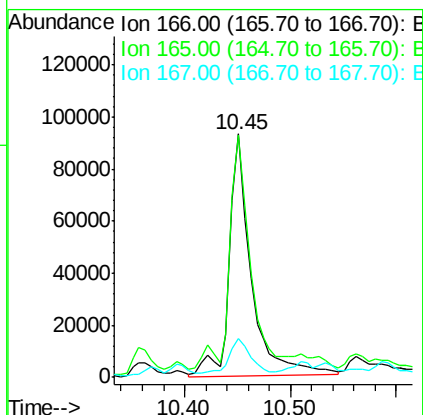
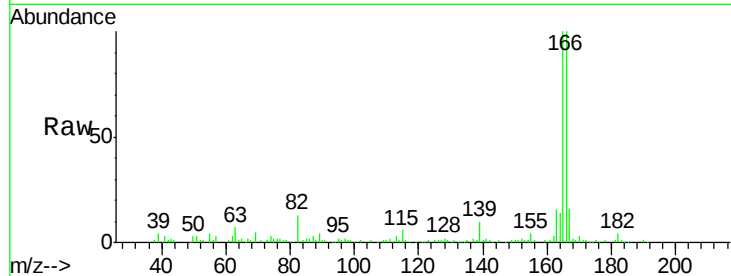
#57
Fluorene
 Concen: 10.640 ng
 RT: 10.45 min Scan# 1422
 Delta R.T. 0.00 min
 Lab File: BF103642.D
 Acq: 14 Mar 2018 15:58

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-031318-D

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.7	79.8	119.8
167	16.1	10.6	16.0

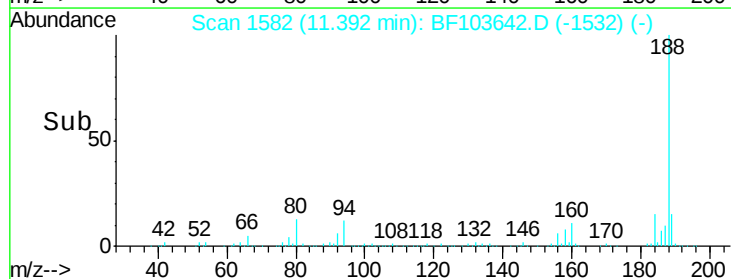
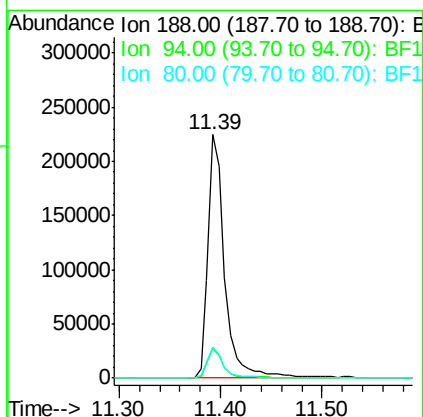
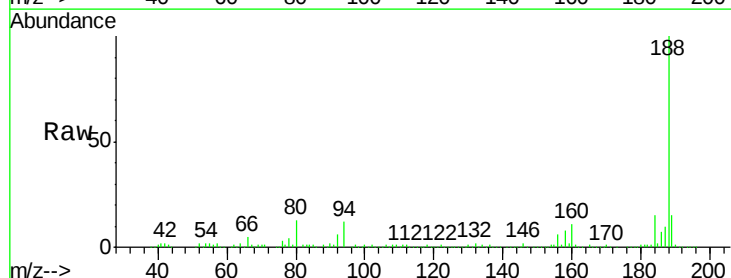
Manual Integrations
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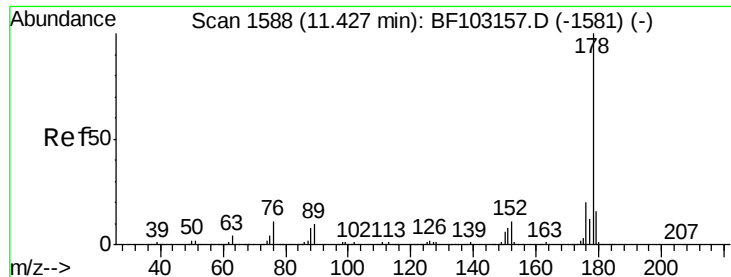
Sohil
 3/15/2018 6:57:11 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BF103642.D
 Acq: 14 Mar 2018 15:58

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.4	8.5	12.7
80	12.9	9.2	13.8





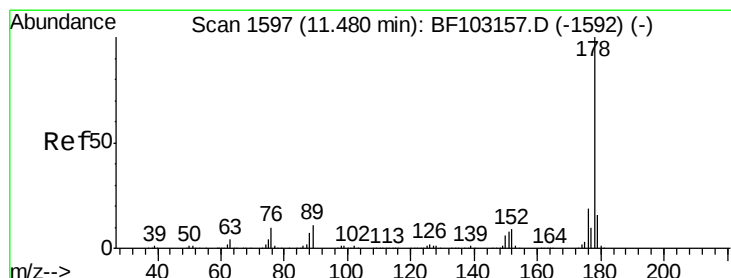
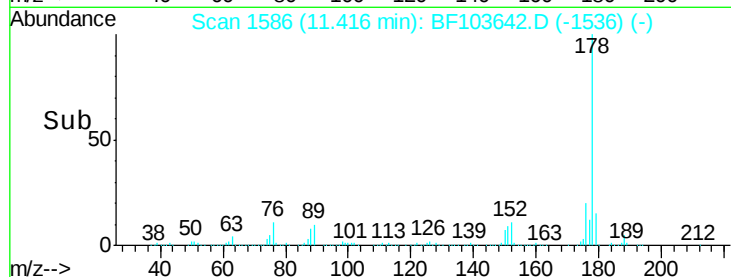
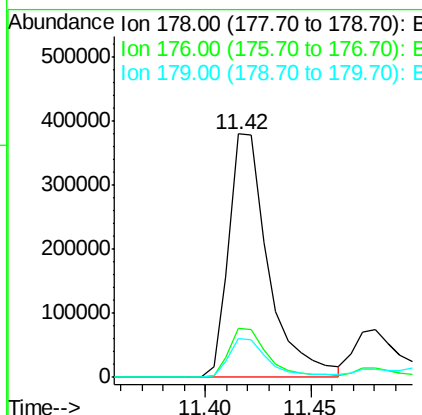
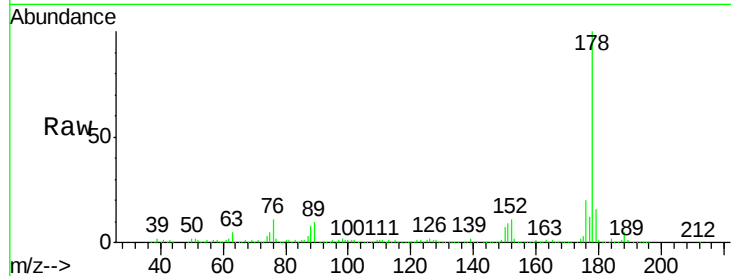
#70
Phenanthrene
Concen: 34.629 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.01 min
Lab File: BF103642.D
Acq: 14 Mar 2018 15:58

Instrument :
BNA_F
ClientSampleId :
CL-01-031318-D

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.8	23.8
179	16.0	13.0	19.6

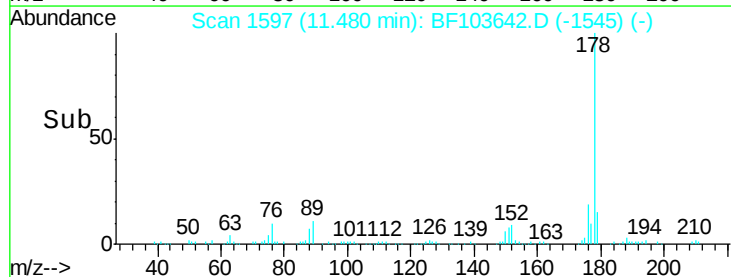
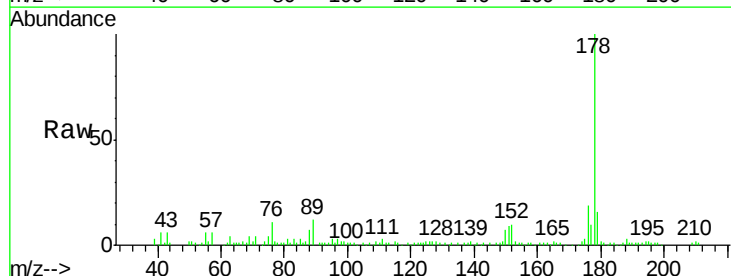
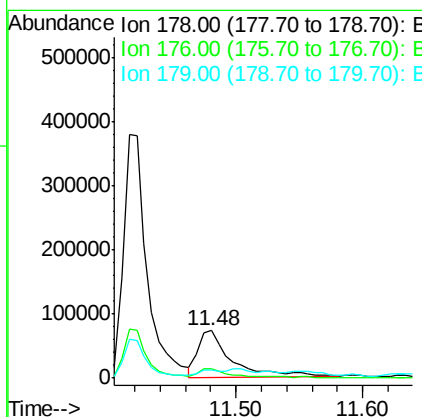
Manual Integrations
APPROVED

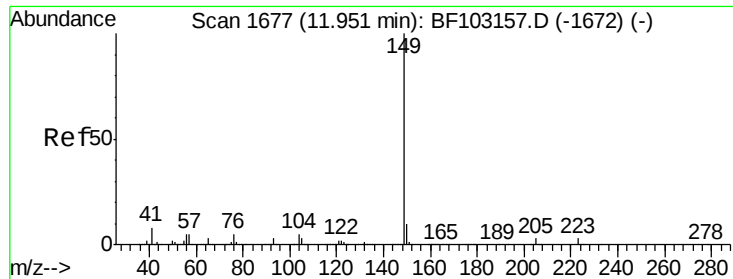
Sohil
3/15/2018 6:57:11 PM



#71
Anthracene
Concen: 8.945 ng
RT: 11.48 min Scan# 1597
Delta R.T. 0.01 min
Lab File: BF103642.D
Acq: 14 Mar 2018 15:58

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	16.4	12.6	19.0





#73

Di-n-butylphthalate

Concen: 3.872 ng

RT: 11.93 min Scan# 1674

Delta R.T. -0.01 min

Lab File: BF103642.D

Acq: 14 Mar 2018 15:58

Instrument :

BNA_F

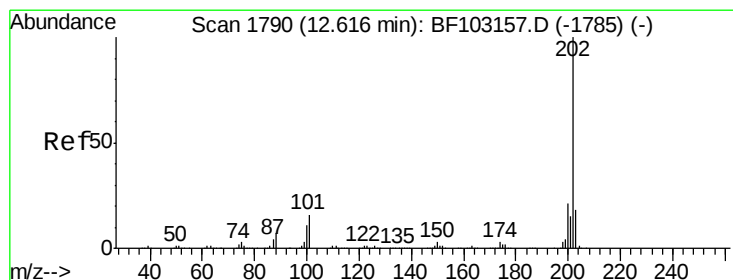
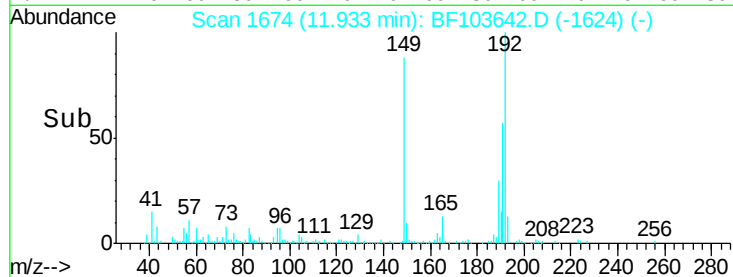
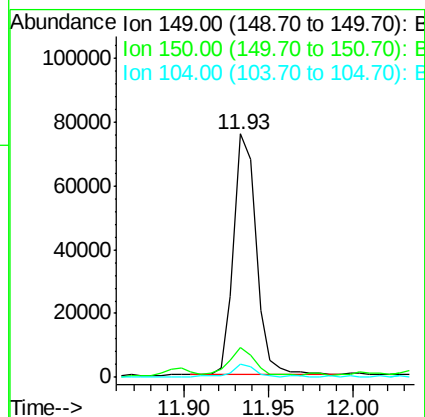
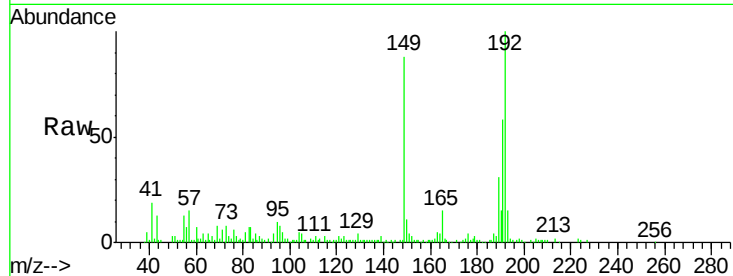
ClientSampled :

CL-01-031318-D

Tot Ion:	149	Resp:	70404
Ion Ratio	Lower	Upper	
149	100		
150	12.2	7.8	11.6#
104	5.5	3.8	5.8

Manual Integrations
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#74

Fluoranthene

Concen: 15.587 ng

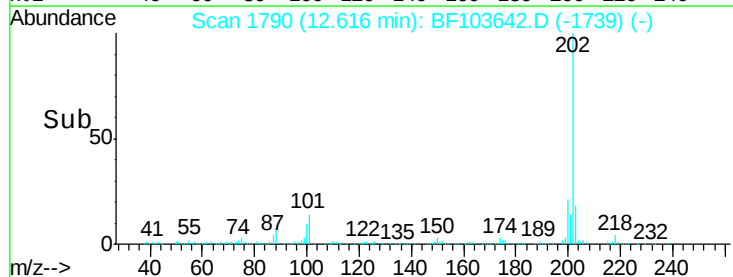
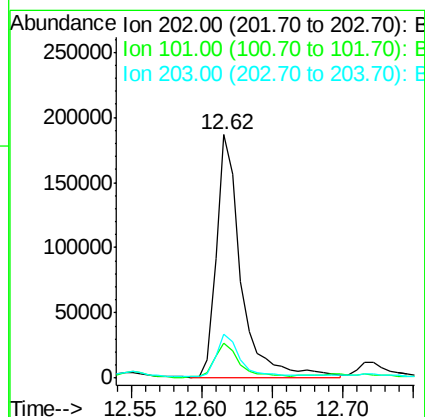
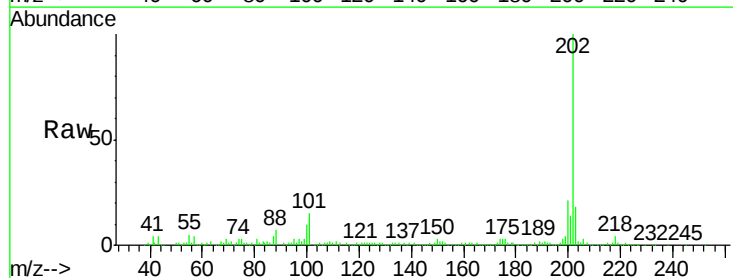
RT: 12.62 min Scan# 1790

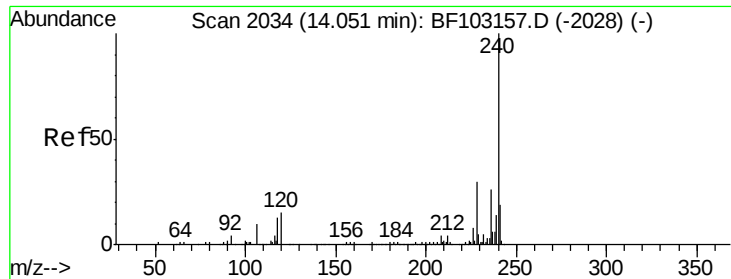
Delta R.T. 0.00 min

Lab File: BF103642.D

Acq: 14 Mar 2018 15:58

Tgt Ion:	202	Resp:	222877
Ion Ratio	Lower	Upper	
202	100		
101	14.6	0.0	34.1
203	18.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.00 min

Lab File: BF103642.D

Acq: 14 Mar 2018 15:58

Instrument :

BNA_F

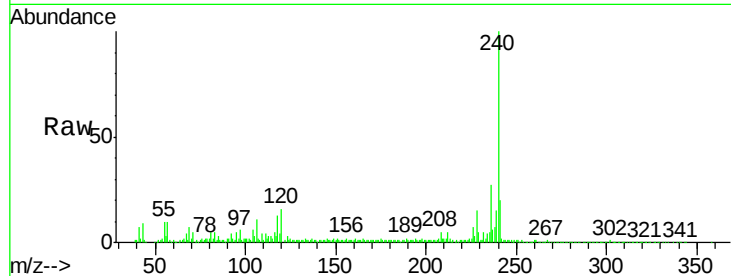
ClientSampleId :

CL-01-031318-D

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	15.7	9.5	14.3	
236	26.5	20.7	31.1	

Manual Integrations
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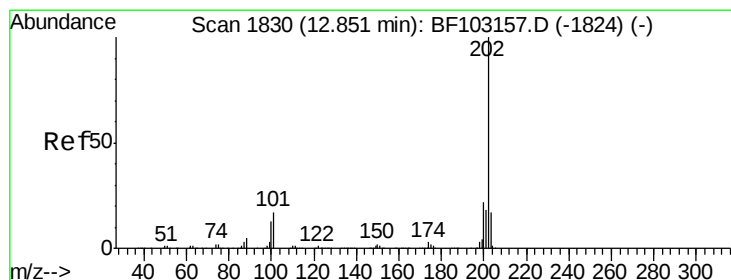
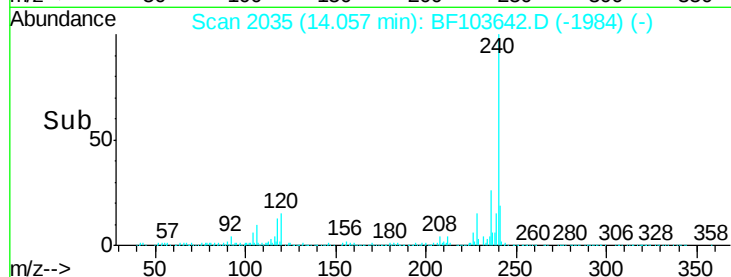
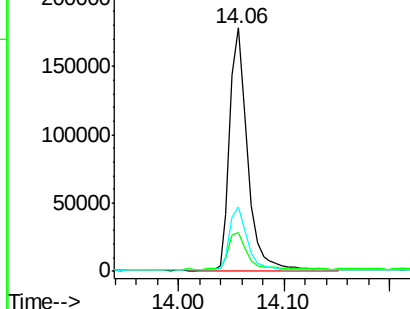
Sohil
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 16.723 ng

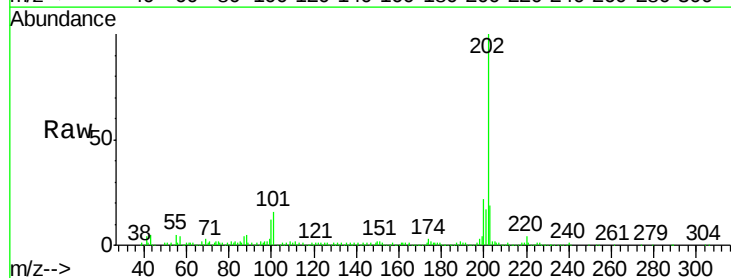
RT: 12.85 min Scan# 1830

Delta R.T. 0.01 min

Lab File: BF103642.D

Acq: 14 Mar 2018 15:58

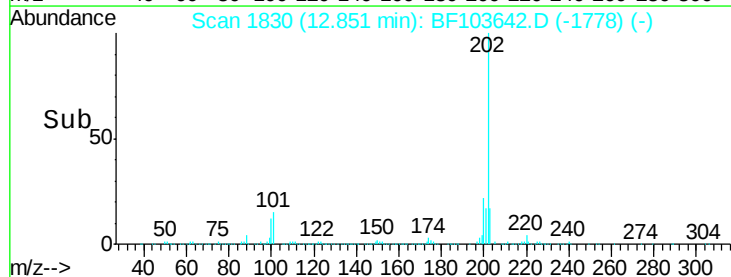
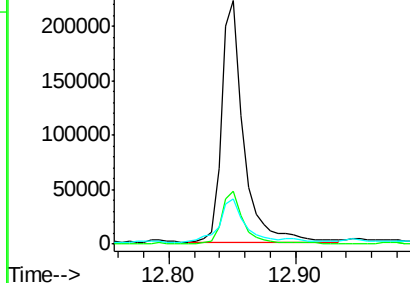
Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.6	17.4	26.2	
203	18.7	14.3	21.5	

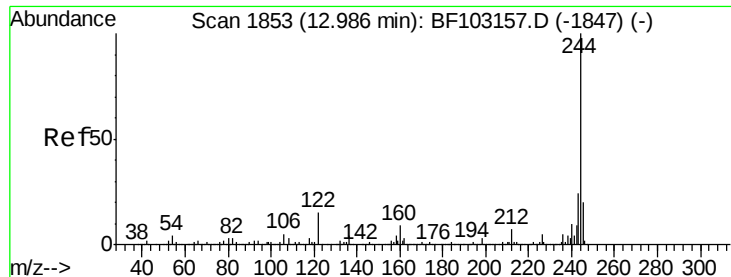


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





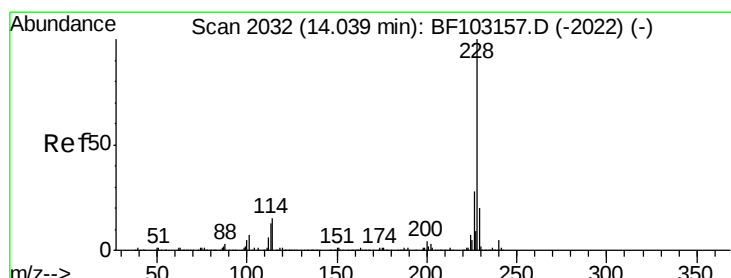
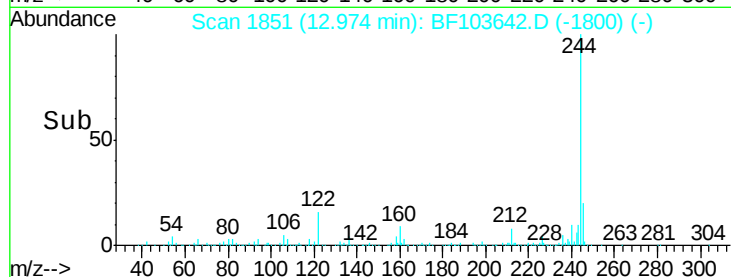
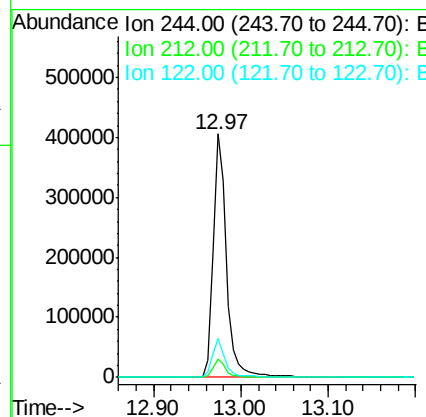
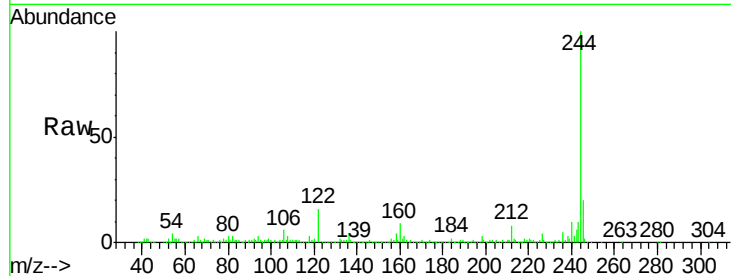
#78
 Terphenyl-d14
 Concen: 49.992 ng
 RT: 12.97 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: BF103642.D
 Acq: 14 Mar 2018 15:58

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-031318-D

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.4	8.0
122	15.7	11.0	16.4

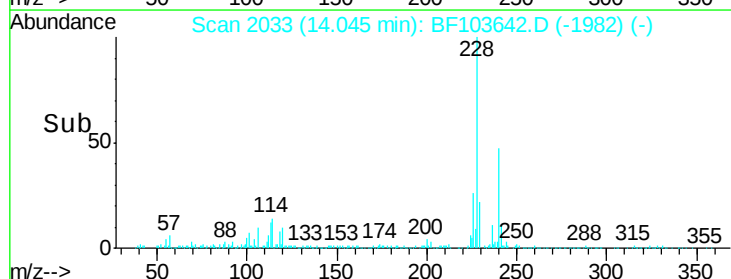
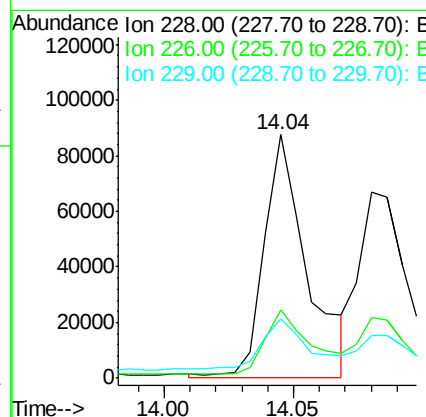
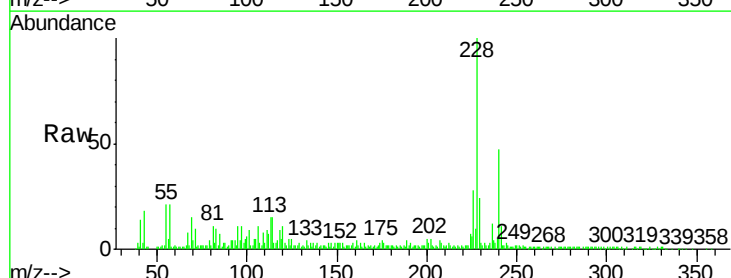
Manual Integrations
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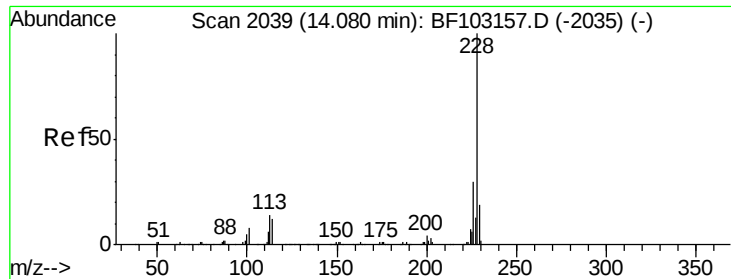
Sohil
 3/15/2018 6:57:11 PM



#80
 Benzo(a)anthracene
 Concen: 7.535 ng m
 RT: 14.04 min Scan# 2033
 Delta R.T. 0.00 min
 Lab File: BF103642.D
 Acq: 14 Mar 2018 15:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.6	33.8
229	24.5	15.8	23.6





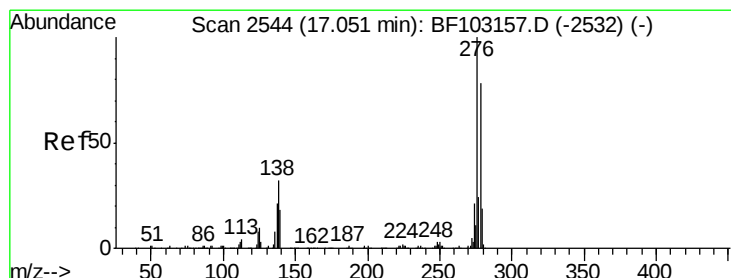
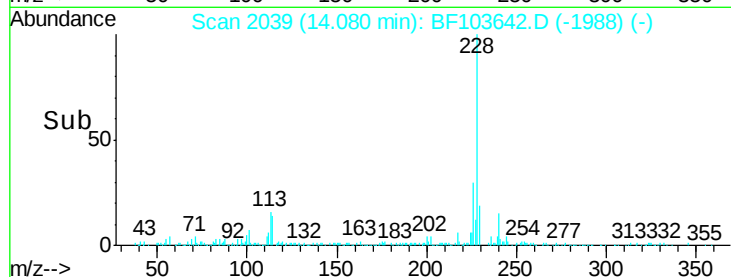
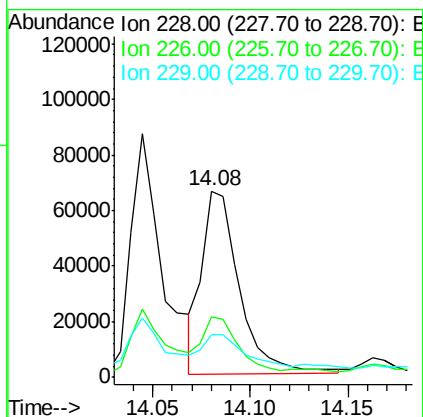
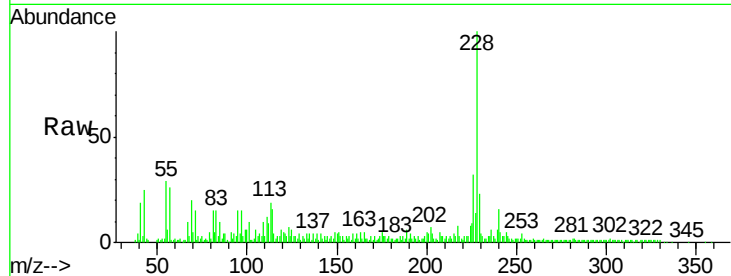
#82
Chrysene
Concen: 6.772 ng
RT: 14.08 min Scan# 2039
Delta R.T. 0.00 min
Lab File: BF103642.D
Acq: 14 Mar 2018 15:58

Instrument :
BNA_F
ClientSampleId :
CL-01-031318-D

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.1	25.0	37.6
229	22.7	16.2	24.4

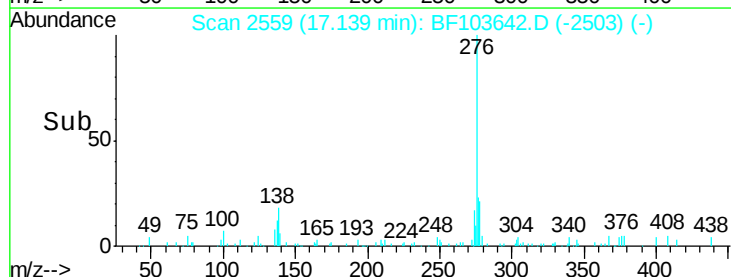
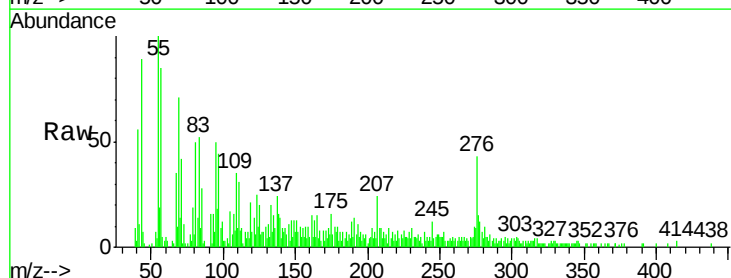
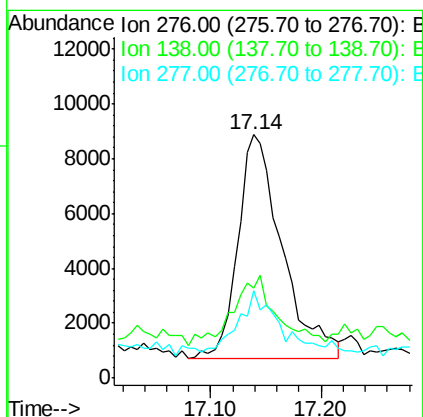
Manual Integrations
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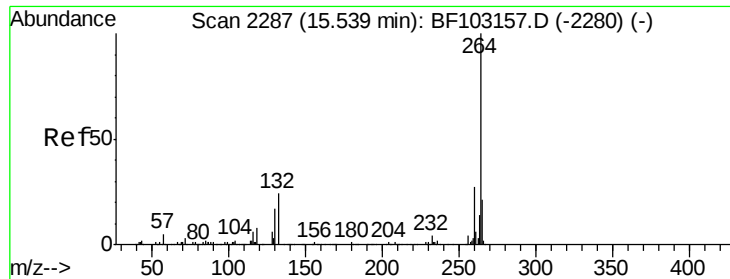
Sohil
3/15/2018 6:57:11 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.232 ng
RT: 17.14 min Scan# 2559
Delta R.T. 0.03 min
Lab File: BF103642.D
Acq: 14 Mar 2018 15:58

Tgt Ion	Ratio	Lower	Upper
276	100		
138	31.1	25.0	37.6
277	24.3	20.1	30.1





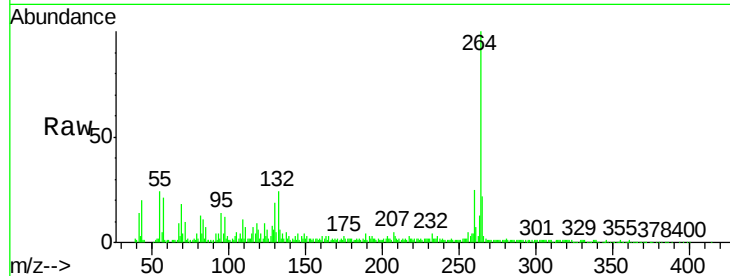
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2292
Delta R.T. 0.00 min
Lab File: BF103642.D
Acq: 14 Mar 2018 15:58

Instrument :
BNA_F
ClientSampleId :
CL-01-031318-D

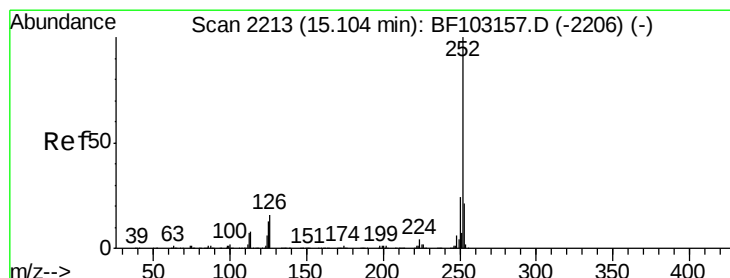
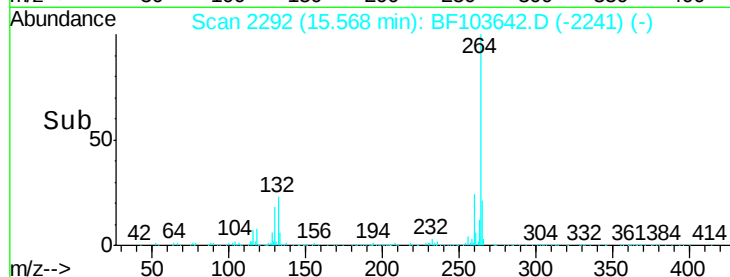
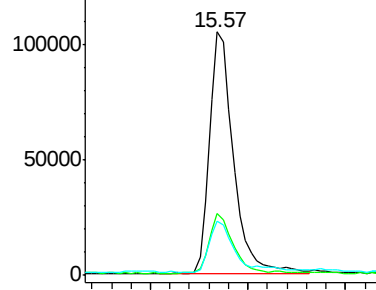
Tot Ion	Ratio	Resp	Lower	Upper
264	100	179657		
260	25.2	19.2	28.8	
265	22.4	17.5	26.3	

Manual Integrations
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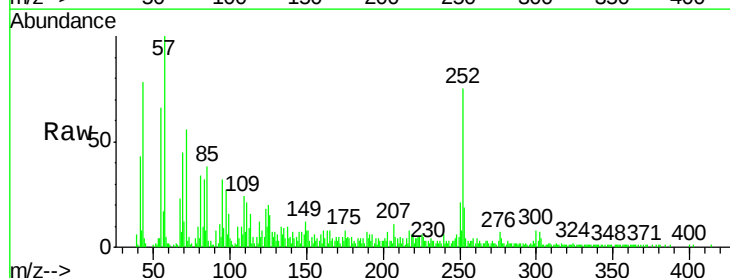


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

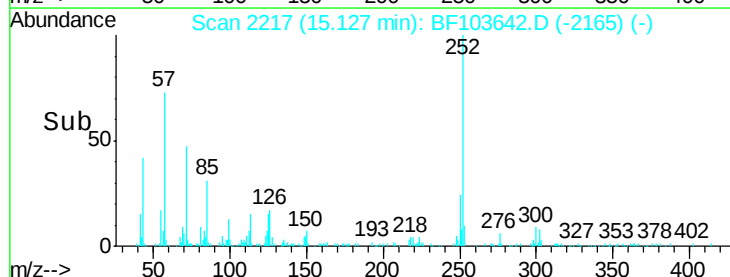
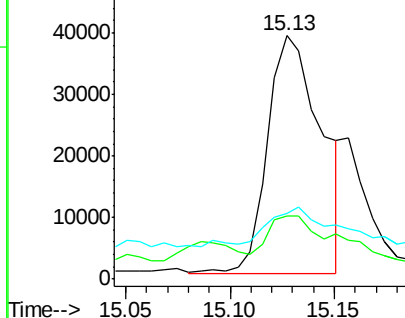


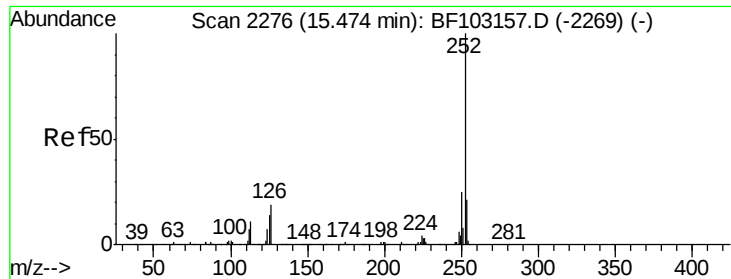
#87
Benzo(b)fluoranthene
Concen: 5.884 ng m
RT: 15.13 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF103642.D
Acq: 14 Mar 2018 15:58

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	69501		
253	25.8	17.0	25.6#	
125	27.1	9.0	13.6#	



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 4.920 ng

RT: 15.51 min Scan# 2282

Delta R.T. 0.01 min

Lab File: BF103642.D

Acq: 14 Mar 2018 15:58

Instrument :

BNA_F

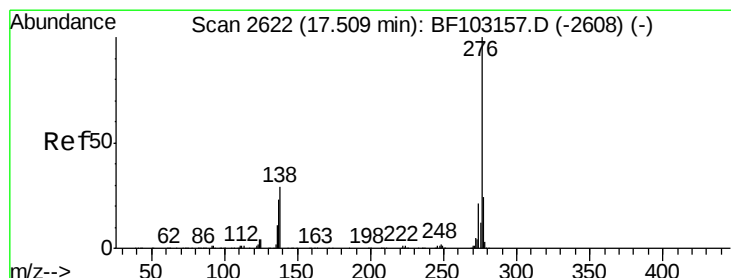
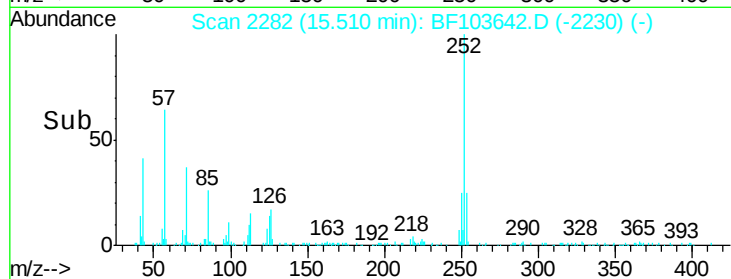
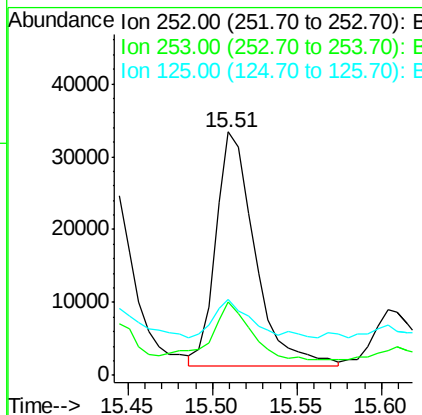
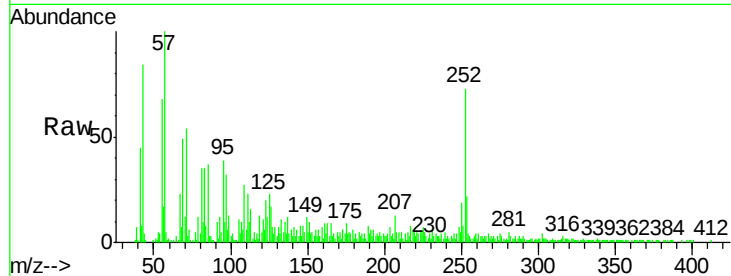
ClientSampleId :

CL-01-031318-D

Tot Ion:	252	Resp:	51896
Ion Ratio	Lower	Upper	
252	100		
253	29.9	17.1	25.7#
125	31.2	9.8	14.6#

Manual Integrations
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3/15/2018 6:57:11 PM



#91

Benzo(g,h,i)perylene

Concen: 2.607 ng

RT: 17.62 min Scan# 2640

Delta R.T. 0.03 min

Lab File: BF103642.D

Acq: 14 Mar 2018 15:58

Tgt Ion:	276	Resp:	20765
Ion Ratio	Lower	Upper	
276	100		
277	39.4	17.9	26.9#
138	45.3	21.8	32.8#

