

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031418\
 Data File : BF103663.D
 Acq On : 15 Mar 2018 2:20
 Operator : SJ/JU
 Sample : J1754-03DL 2X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Sohil
 3/15/2018 6:58:09 PM

Quant Time: Mar 15 11:28:13 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	119208	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	534139	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	227279	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	339385	20.00	ng	0.00
75) Chrysene-d12	14.06	240	221497	20.00	ng	0.00
86) Perylene-d12	15.57	264	194305	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	250062m	31.73	ng	0.04
7) Phenol-d6	6.52	99	352753m	36.57	ng	0.02
23) Nitrobenzene-d5	7.45	82	212553	22.73	ng	0.02
41) 2,4,6-Tribromophenol	10.70	330	45181	23.49	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	368036	22.26	ng	0.00
78) Terphenyl-d14	12.97	244	234803	25.48	ng	0.00
Target Compounds						
31) Naphthalene	8.16	128	289217	11.060	ng	99
37) 2-Methylnaphthalene	8.86	142	172863	10.228	ng	99
48) Acenaphthylene	9.76	152	139275	6.008	ng	# 97
51) Acenaphthene	9.93	154	34044	2.518	ng	94
57) Fluorene	10.45	166	167081	10.570	ng	98
70) Phenanthrene	11.42	178	804524	43.075	ng	99
71) Anthracene	11.48	178	216737m	11.316	ng	
73) Di-n-butylphthalate	11.94	149	77058	3.229	ng	98
74) Fluoranthene	12.62	202	443454	23.627	ng	99
77) Pyrene	12.85	202	583726	33.801	ng	98
80) Benzo(a)anthracene	14.04	228	215749m	15.012	ng	
82) Chrysene	14.09	228	198012	14.190	ng	99
85) Indeno(1,2,3-cd)pyrene	17.14	276	50497	4.571	ng	93
87) Benzo(b)fluoranthene	15.13	252	140744m	11.017	ng	
88) Benzo(k)fluoranthene	15.16	252	53589m	4.455	ng	
89) Benzo(a)pyrene	15.52	252	130973	11.480	ng	# 92
91) Benzo(a,h,i)perylene	17.61	276	54956	6.379	ng	# 86

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

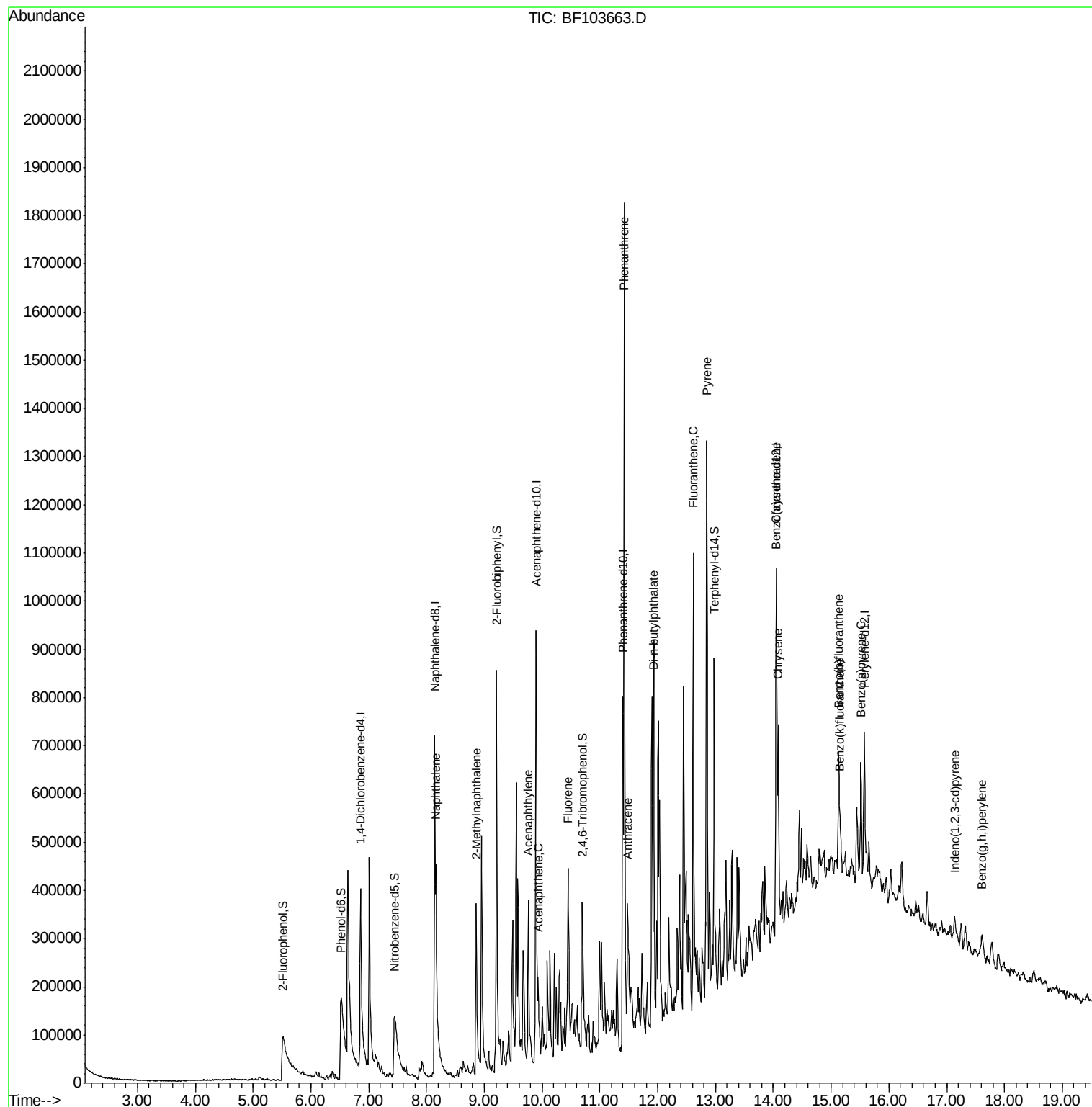
Data Path : Z:\HPCHEM1\BNA F\DATA\BF031418\
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#1

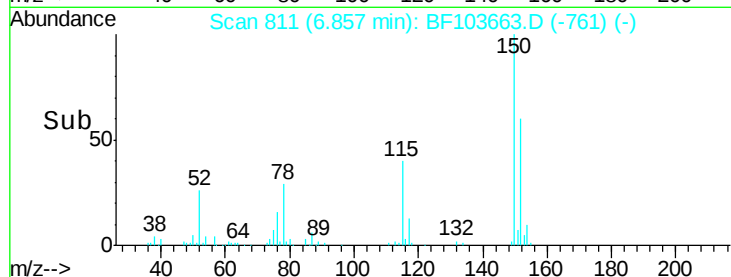
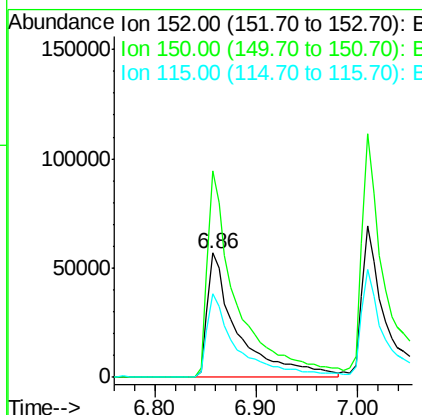
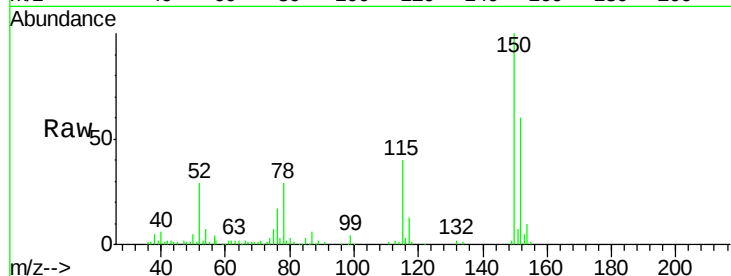
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF103663.D
Acq: 15 Mar 2018 2:20

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

Tot Ion	Ratio	Resp	Lower	Upper
152	100	119208		
150	166.6	124.6	186.8	
115	67.3	50.1	75.1	

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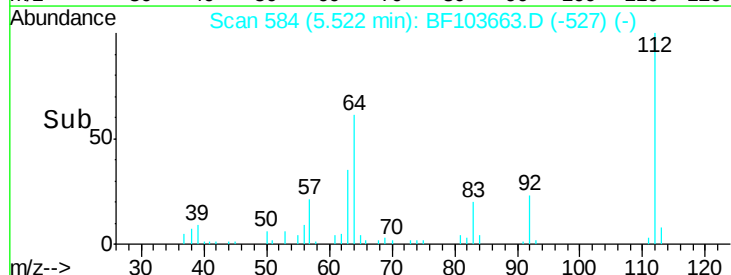
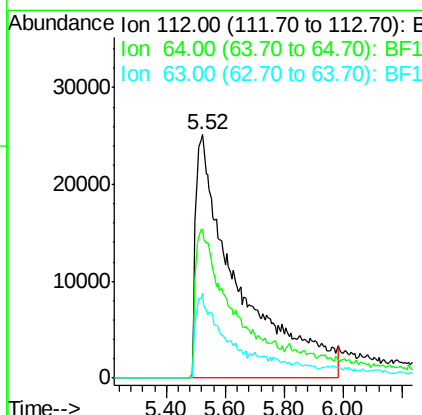
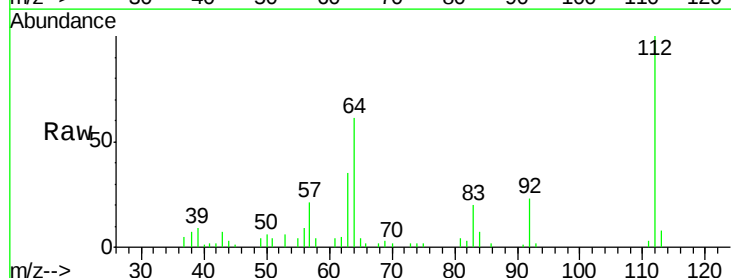
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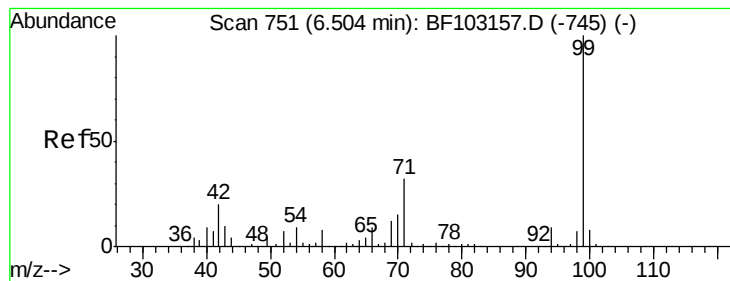


#5

2-Fluorophenol
Concen: 31.726 ng m
RT: 5.52 min Scan# 584
Delta R.T. 0.04 min
Lab File: BF103663.D
Acq: 15 Mar 2018 2:20

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	250062		
64	61.4	47.9	71.9	
63	34.9	23.7	35.5	





#7

Phenol-d6

Concen: 36.575 ng/mL

RT: 6.52 min Scan# 754

Delta R.T. 0.02 min

Lab File: BF103663.D

Acq: 15 Mar 2018 2:20

Instrument :

BNA_F

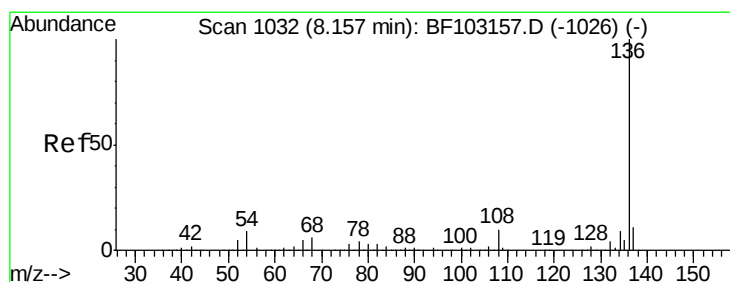
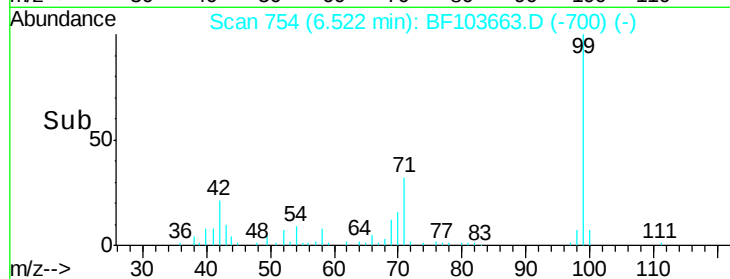
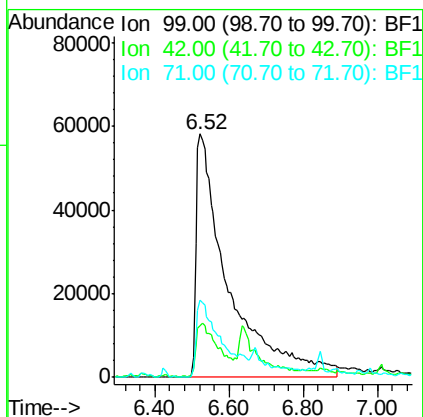
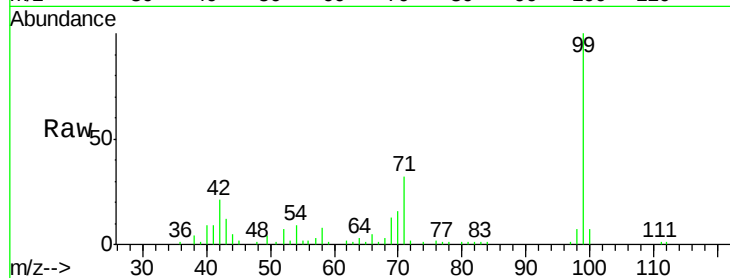
ClientSampled :

CL-01-031318-B

Tot Ion:	99	Resp:	352753
Ion Ratio	Lower	Upper	
99	100		
42	21.4	14.5	21.7
71	31.6	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng/mL

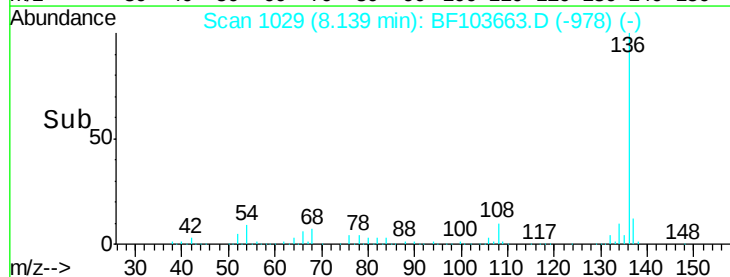
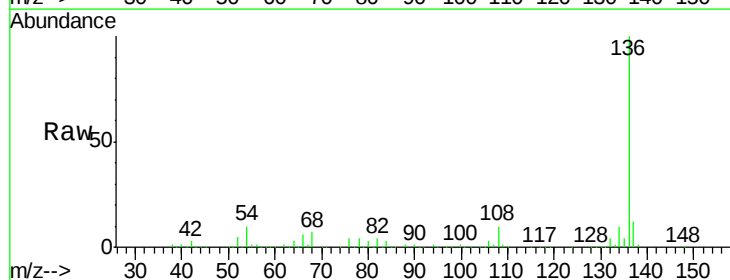
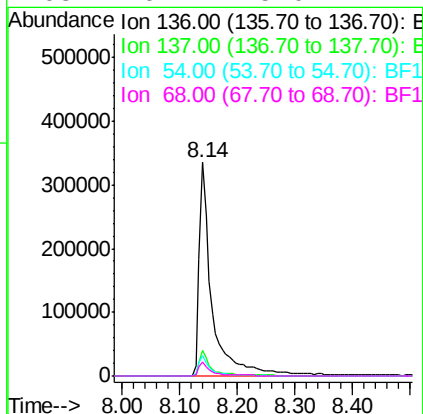
RT: 8.14 min Scan# 1029

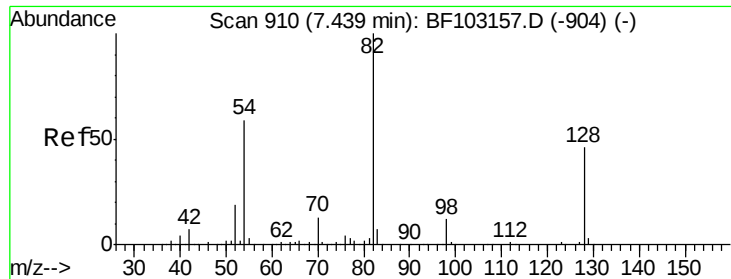
Delta R.T. -0.00 min

Lab File: BF103663.D

Acq: 15 Mar 2018 2:20

Tgt Ion:	136	Resp:	534139
Ion Ratio	Lower	Upper	
136	100		
137	11.8	8.9	13.3
54	9.6	6.6	9.8
68	6.7	5.0	7.4





#23

Nitrobenzene-d5

Concen: 22.725 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.02 min

Lab File: BF103663.D

Acq: 15 Mar 2018 2:20

Instrument :

BNA_F

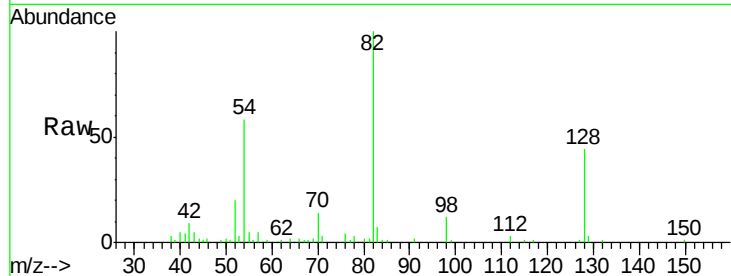
ClientSampled :

CL-01-031318-B

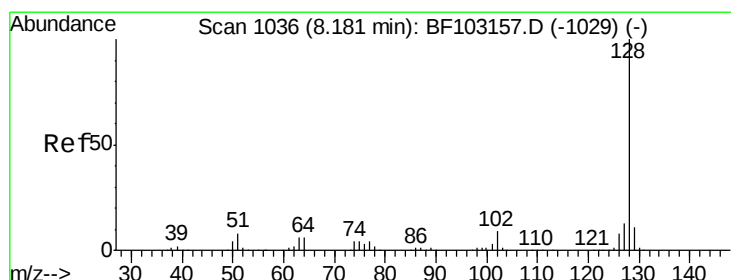
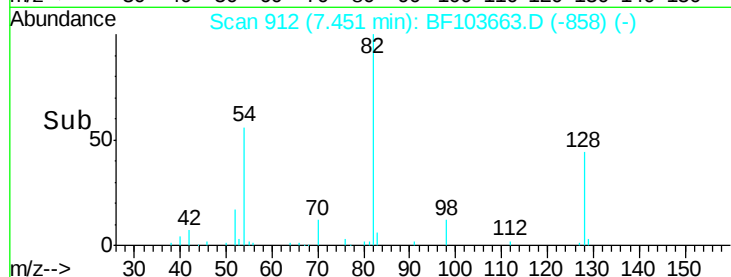
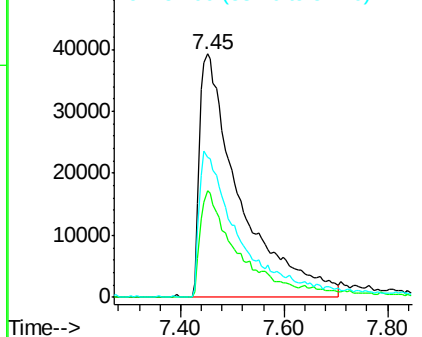
Tot Ion:	82	Resp:	212553
Ion Ratio	Lower	Upper	
82	100		
128	43.8	36.1	54.1
54	57.6	41.4	62.2

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Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1



#31

Naphthalene

Concen: 11.060 ng

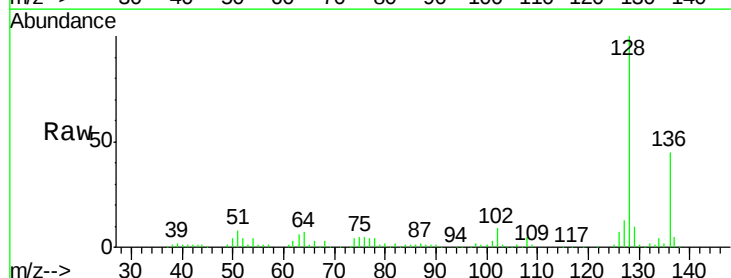
RT: 8.16 min Scan# 1033

Delta R.T. -0.00 min

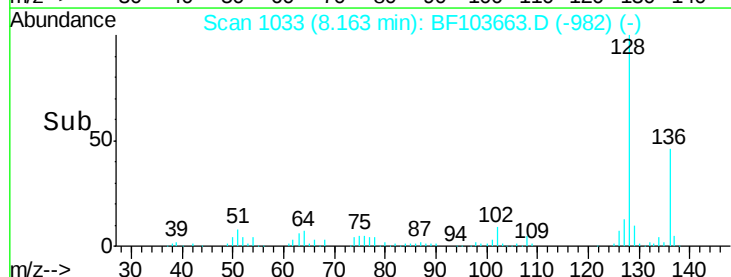
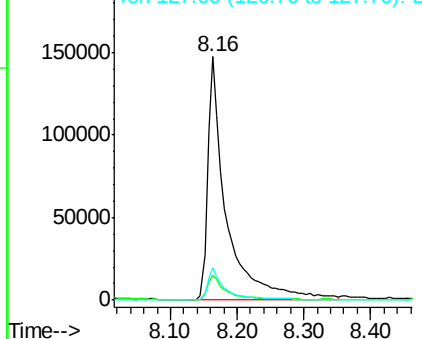
Lab File: BF103663.D

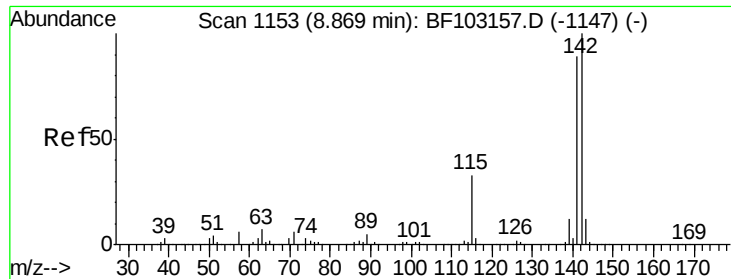
Acq: 15 Mar 2018 2:20

Tgt Ion:	128	Resp:	289217
Ion Ratio	Lower	Upper	
128	100		
129	10.2	8.8	13.2
127	13.3	10.9	16.3



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





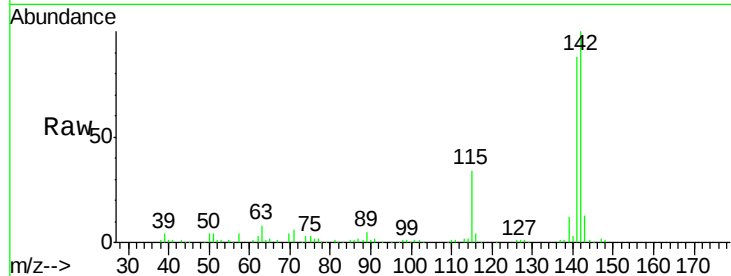
#37
2-Methylnaphthalene
Concen: 10.228 ng
RT: 8.86 min Scan# 1151
Delta R.T. 0.01 min
Lab File: BF103663.D
Acq: 15 Mar 2018 2:20

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

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.4	70.8	106.2
115	34.3	26.1	39.1

Manual Integrations
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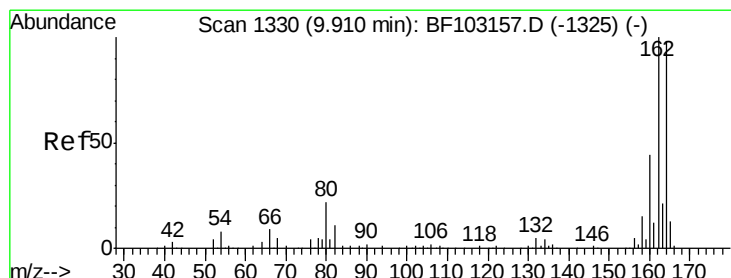
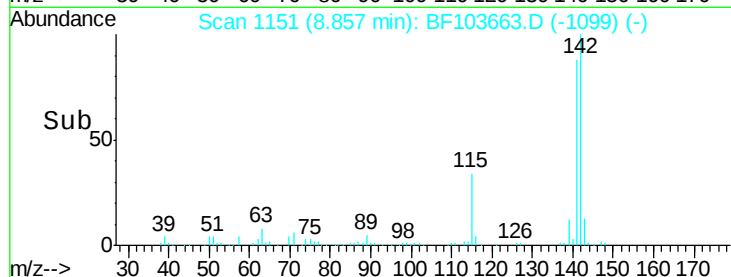
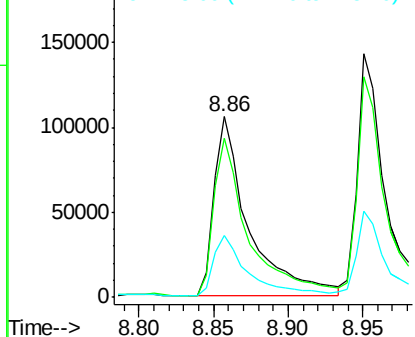


Abundance

Ion 142.00 (141.70 to 142.70): E

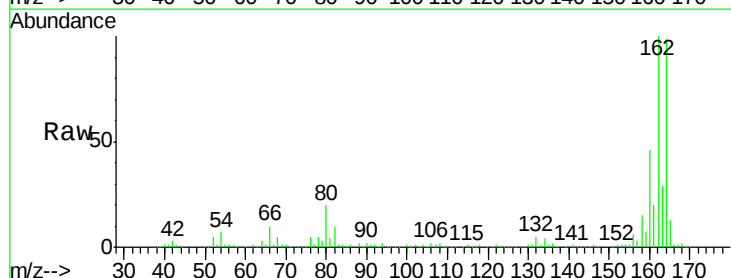
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.00 min
Lab File: BF103663.D
Acq: 15 Mar 2018 2:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.7	86.1	129.1
160	46.3	38.3	57.5

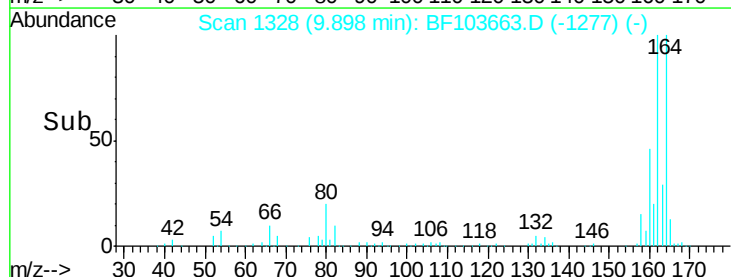
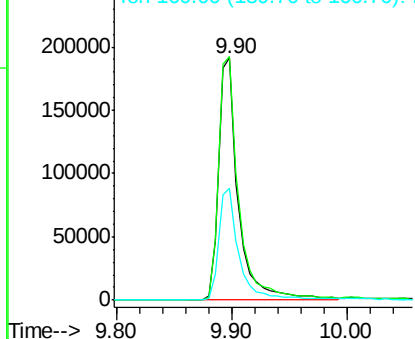


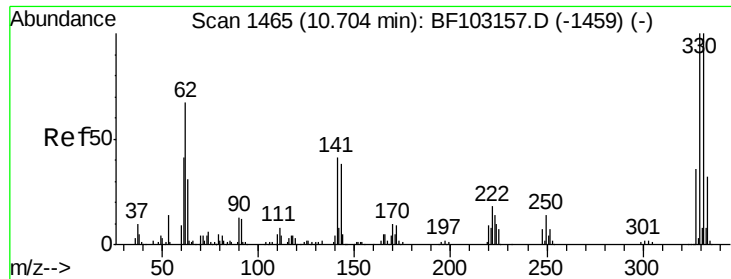
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 23.485 ng

RT: 10.70 min Scan# 1465

Delta R.T. 0.01 min

Lab File: BF103663.D

Acq: 15 Mar 2018 2:20

Instrument :

BNA_F

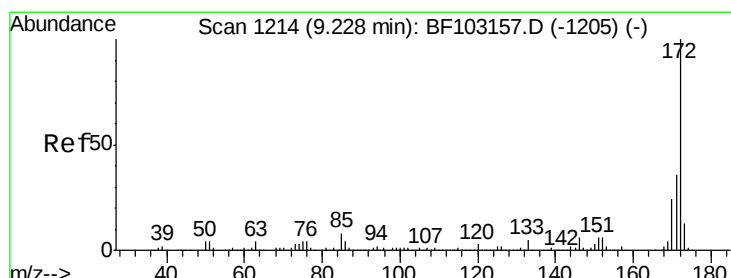
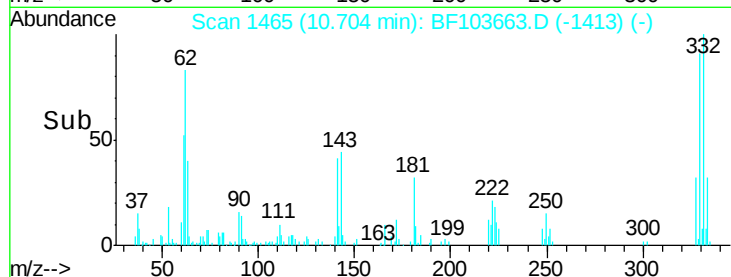
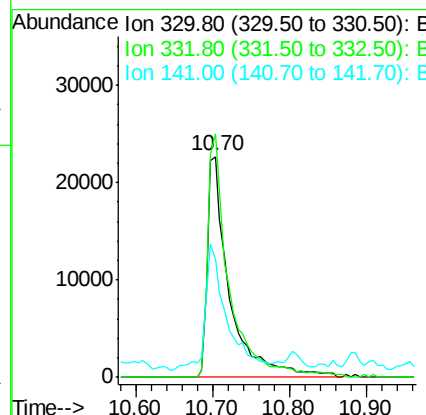
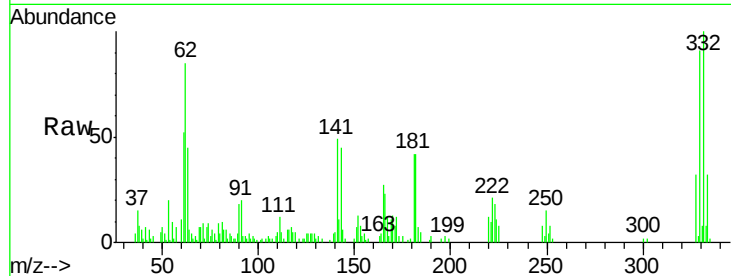
ClientSampleId :

CL-01-031318-B

Tot Ion	Ratio	Lower	Upper
330	100		
332	107.0	77.0	115.6
141	55.4	29.9	44.9

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#44

2-Fluorobiphenyl

Concen: 22.261 ng

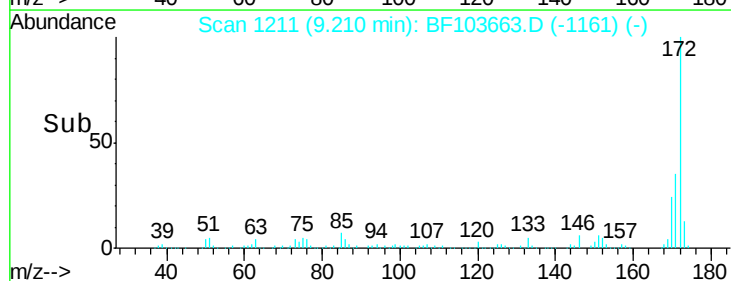
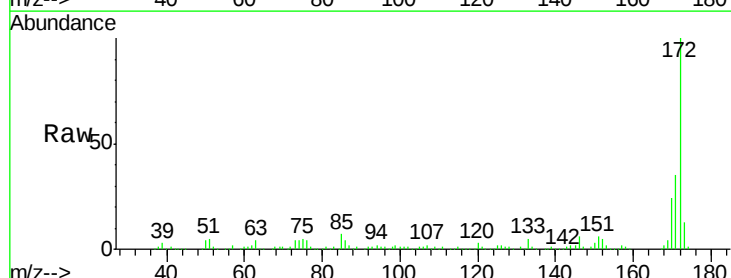
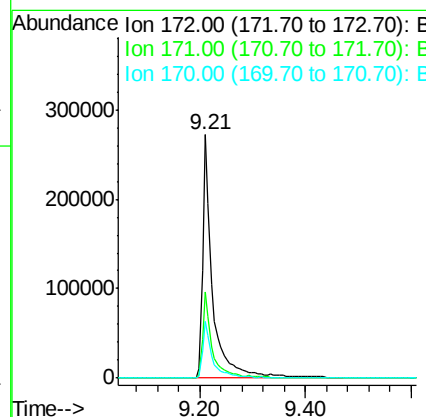
RT: 9.21 min Scan# 1211

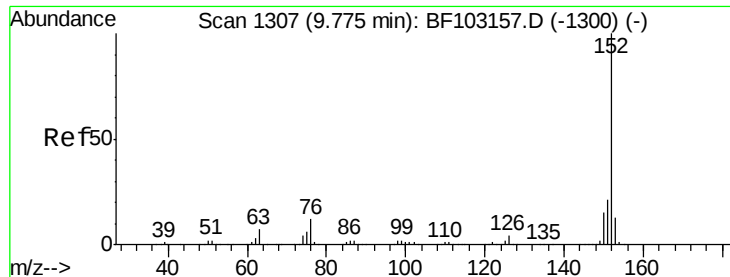
Delta R.T. -0.01 min

Lab File: BF103663.D

Acq: 15 Mar 2018 2:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.7	44.5
170	23.5	19.6	29.4





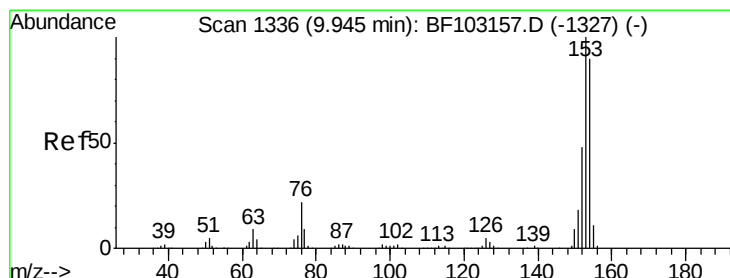
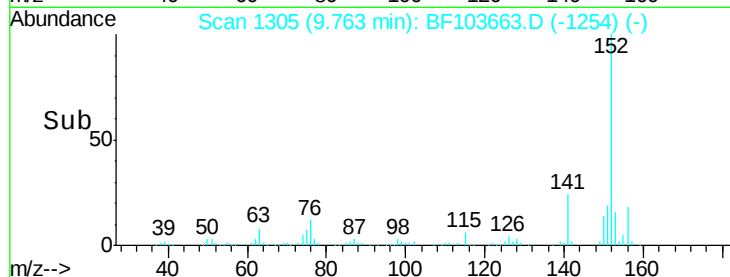
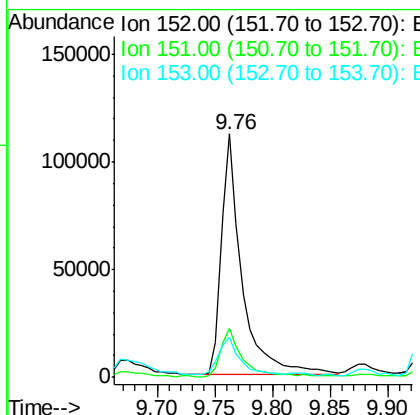
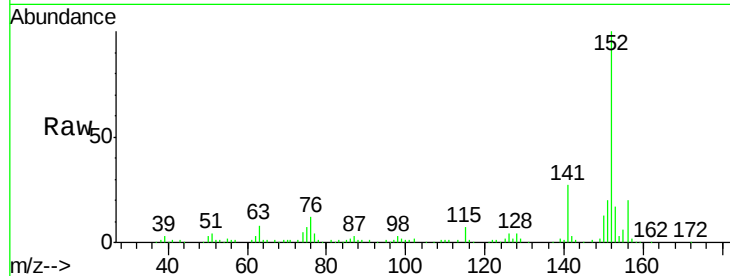
#48
Acenaphthylene
Concen: 6.008 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.00 min
Lab File: BF103663.D
Acq: 15 Mar 2018 2:20

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

Tot Ion	Ratio	Resp	Lower	Upper
152	100	139275		
151	20.1		16.3	24.5
153	16.5		10.7	16.1#

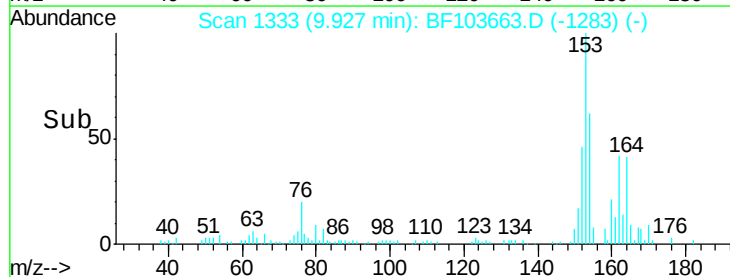
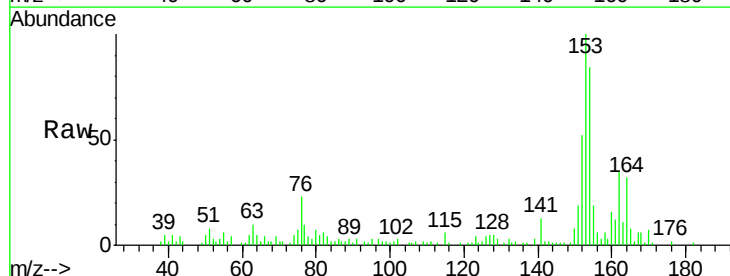
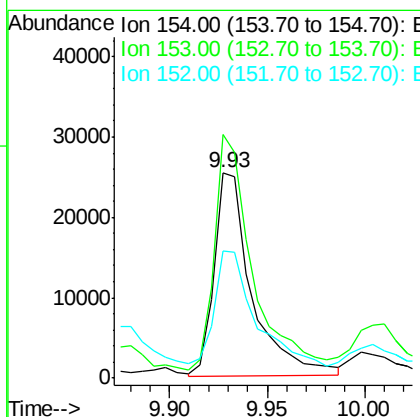
Manual Integrations
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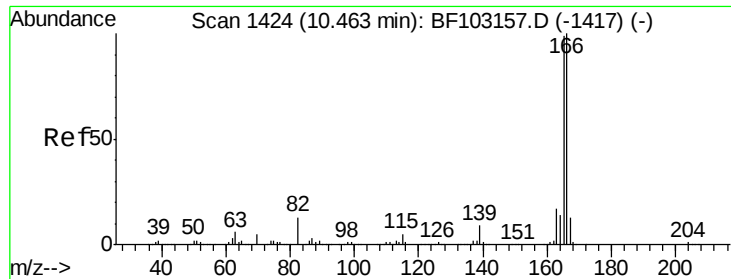
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#51
Acenaphthene
Concen: 2.518 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF103663.D
Acq: 15 Mar 2018 2:20

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	34044		
153	118.6		91.2	136.8
152	62.0		43.8	65.8





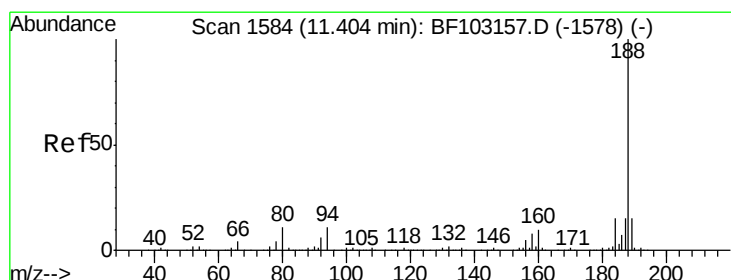
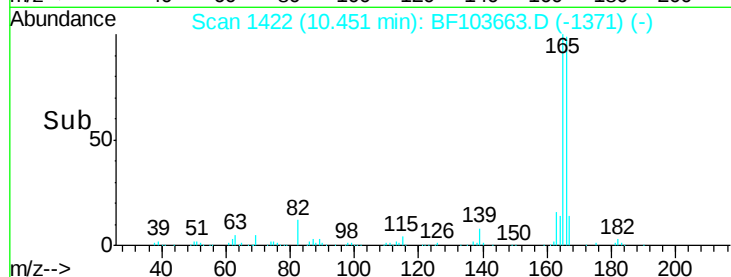
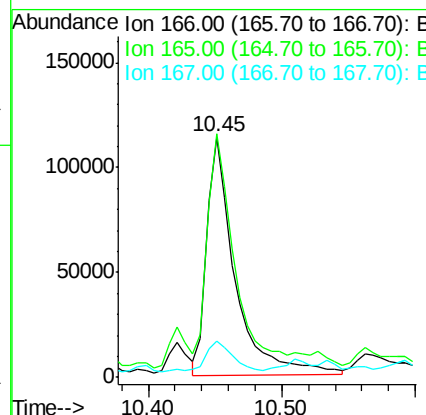
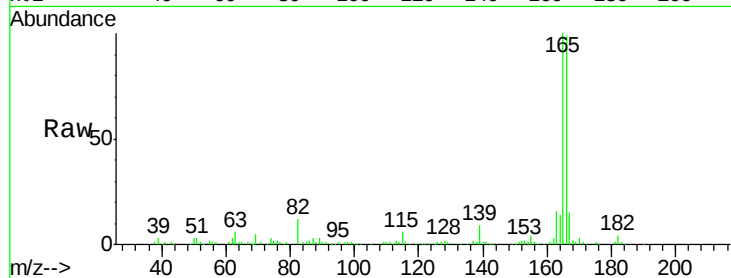
#57
Fluorene
 Concen: 10.570 ng
 RT: 10.45 min Scan# 1422
 Delta R.T. -0.00 min
 Lab File: BF103663.D
 Acq: 15 Mar 2018 2:20

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100				
165	101.5	79.8	119.8		
167	15.2	10.6	16.0		

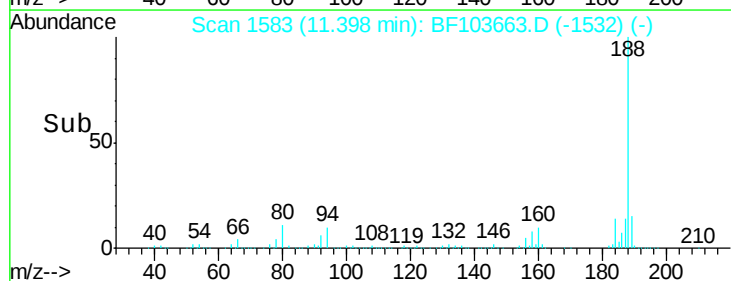
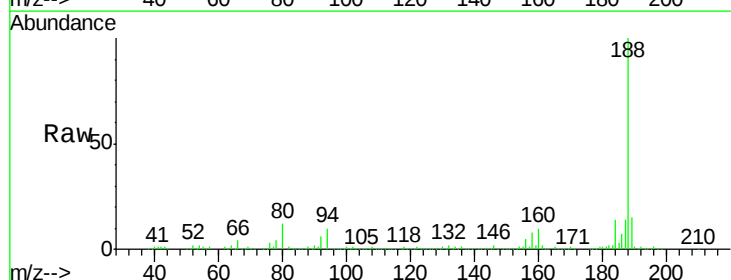
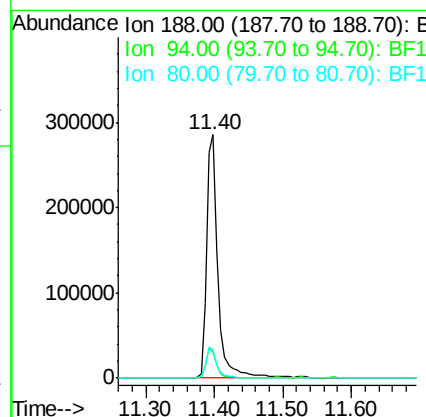
Manual Integrations
 APPROVED

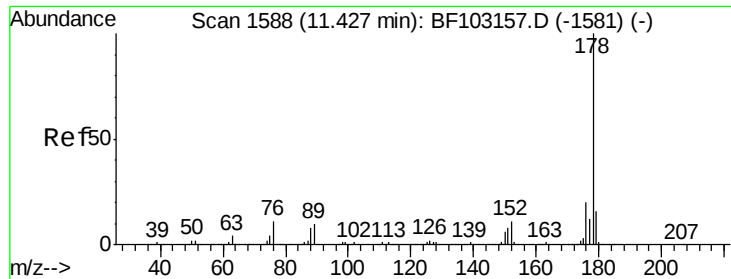
Sohil
 3/15/2018 6:58:09 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: BF103663.D
 Acq: 15 Mar 2018 2:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	10.5	8.5	12.7		
80	11.5	9.2	13.8		





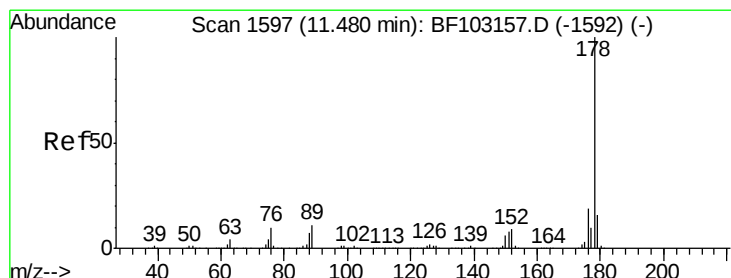
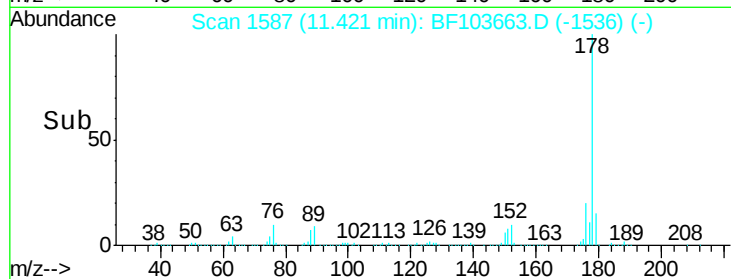
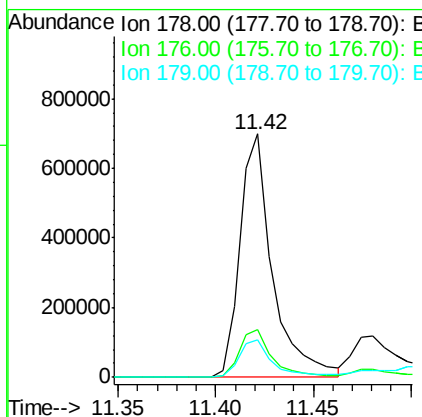
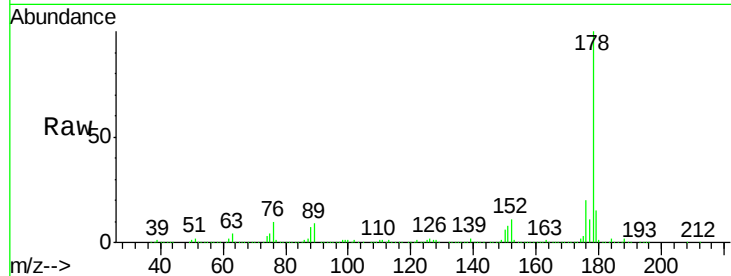
#70
Phenanthrene
Concen: 43.075 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.00 min
Lab File: BF103663.D
Acq: 15 Mar 2018 2:20

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.3	13.0	19.6

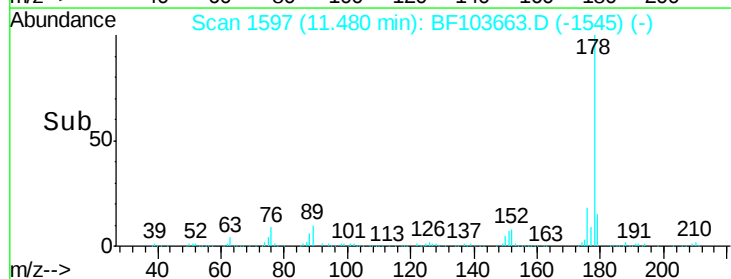
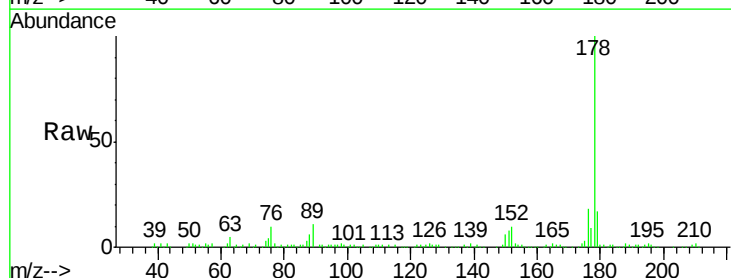
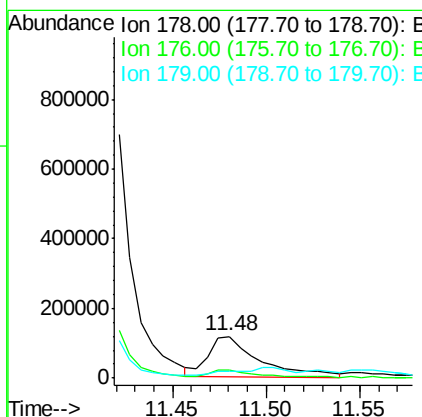
Manual Integrations
APPROVED

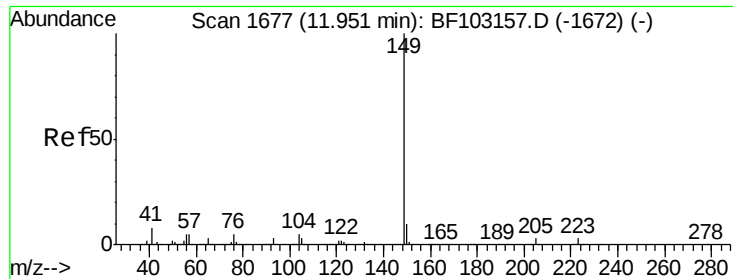
Sohil
3/15/2018 6:58:09 PM



#71
Anthracene
Concen: 11.316 ng m
RT: 11.48 min Scan# 1597
Delta R.T. 0.01 min
Lab File: BF103663.D
Acq: 15 Mar 2018 2:20

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	16.8	12.6	19.0





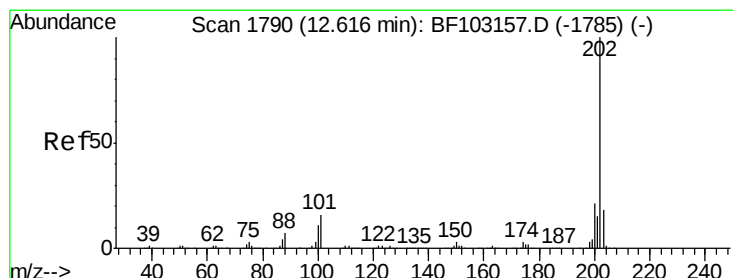
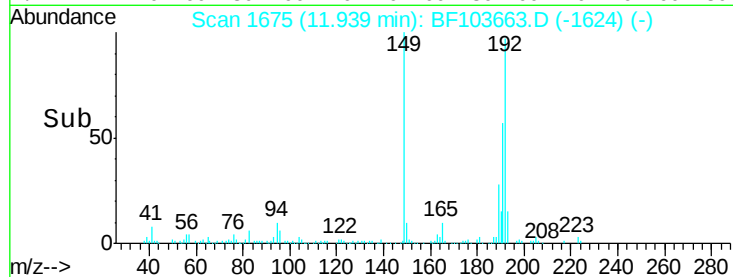
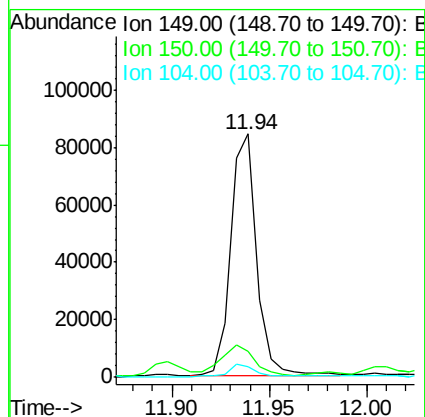
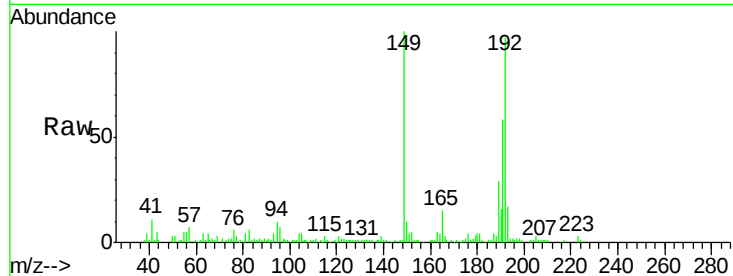
#73
Di-n-butylphthalate
Concen: 3.229 ng
RT: 11.94 min Scan# 1675
Delta R.T. -0.00 min
Lab File: BF103663.D
Acq: 15 Mar 2018 2:20

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

Tot Ion	Ratio	Lower	Upper
149	100		
150	10.4	7.8	11.6
104	4.2	3.8	5.8

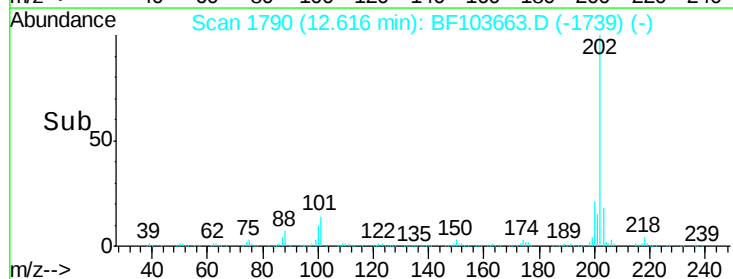
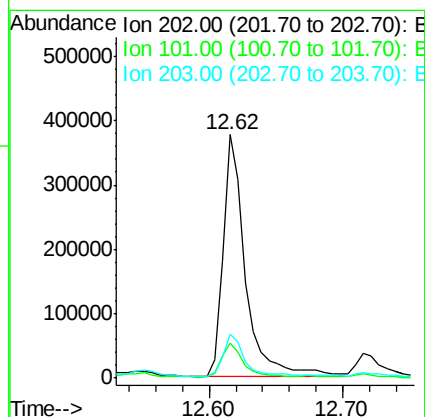
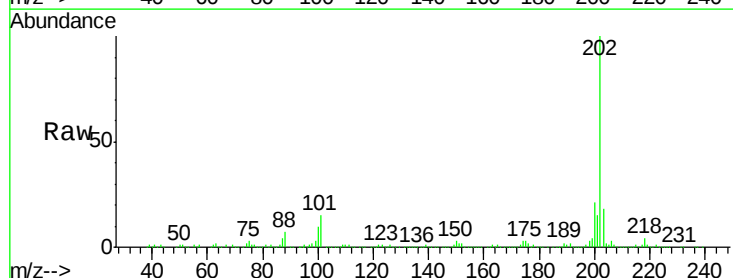
Manual Integrations
APPROVED

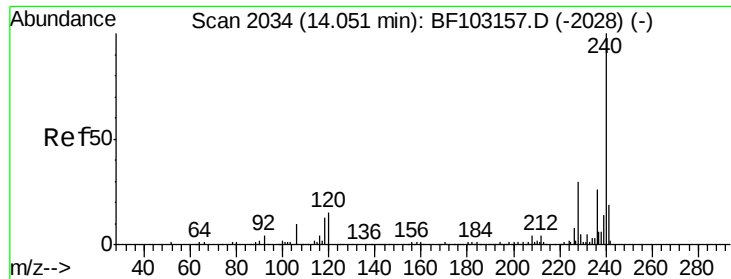
Sohil
3/15/2018 6:58:09 PM



#74
Fluoranthene
Concen: 23.627 ng
RT: 12.62 min Scan# 1790
Delta R.T. -0.00 min
Lab File: BF103663.D
Acq: 15 Mar 2018 2:20

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.6	0.0	34.1
203	18.1	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: BF103663.D

Acq: 15 Mar 2018 2:20

Instrument :

BNA_F

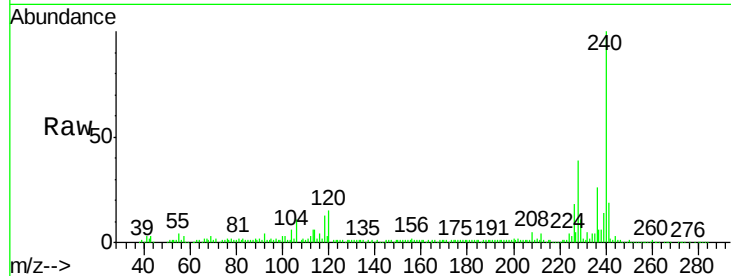
ClientSampleId :

CL-01-031318-B

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.6	9.5	14.3
236	26.4	20.7	31.1

Manual Integrations
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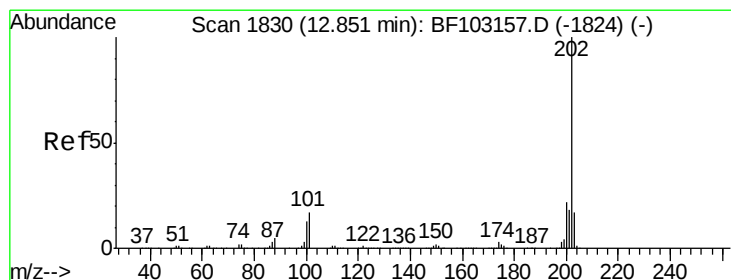
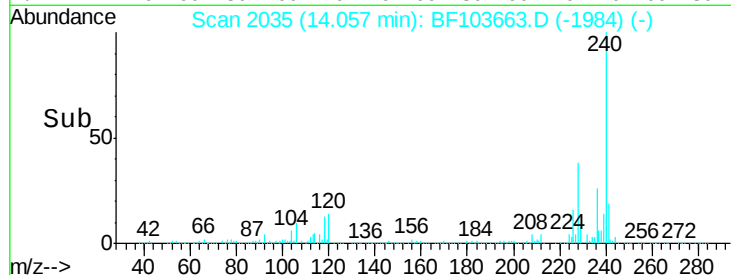
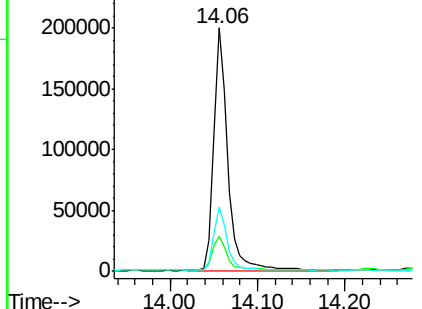
Sohil
3/15/2018 6:58:09 PM



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: 33.801 ng

RT: 12.85 min Scan# 1830

Delta R.T. 0.01 min

Lab File: BF103663.D

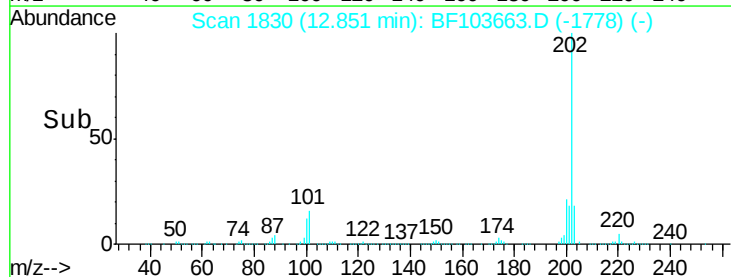
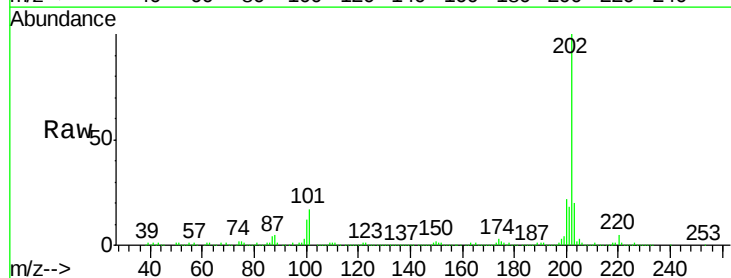
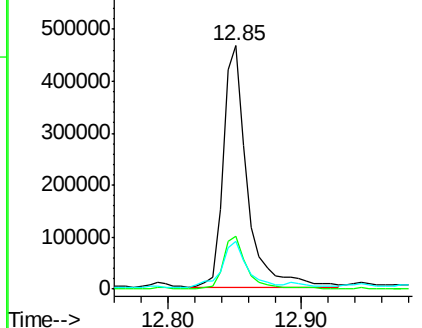
Acq: 15 Mar 2018 2:20

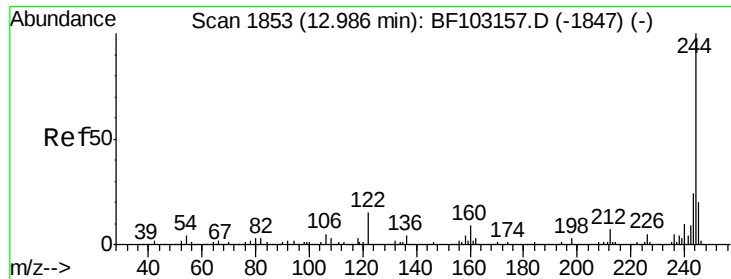
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.2
203	19.6	14.3	21.5

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





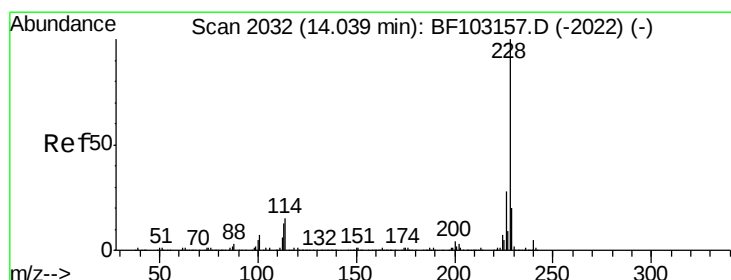
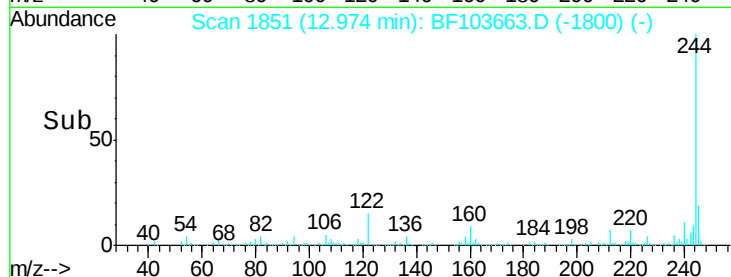
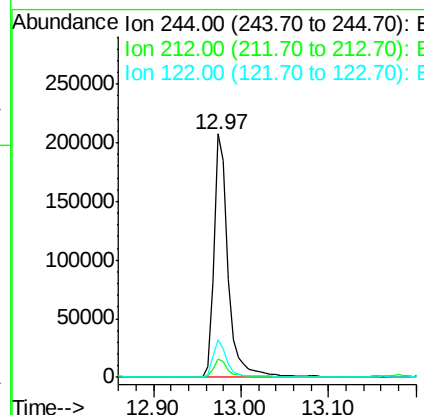
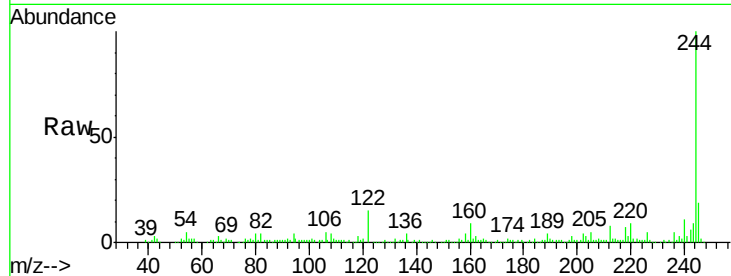
#78
 Terphenyl-d14
 Concen: 25.483 ng
 RT: 12.97 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: BF103663.D
 Acq: 15 Mar 2018 2:20

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

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.4	8.0
122	15.4	11.0	16.4

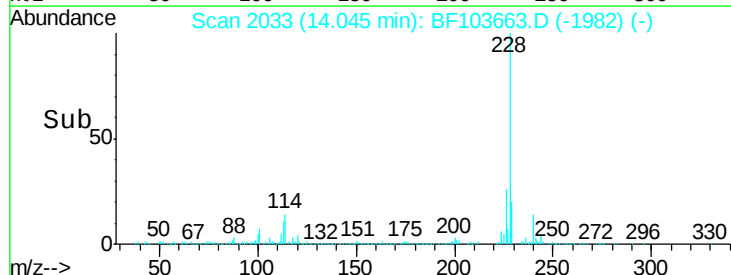
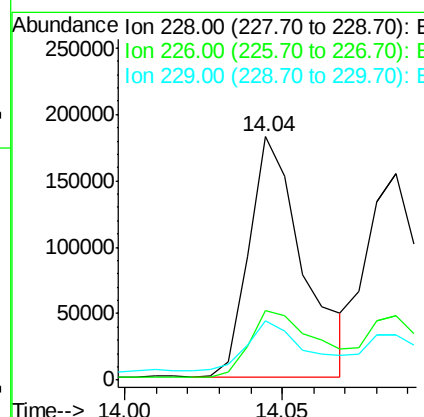
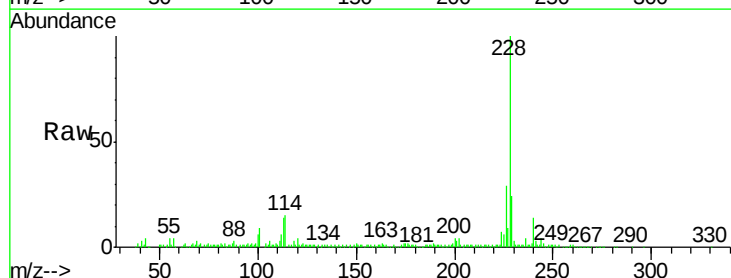
Manual Integrations
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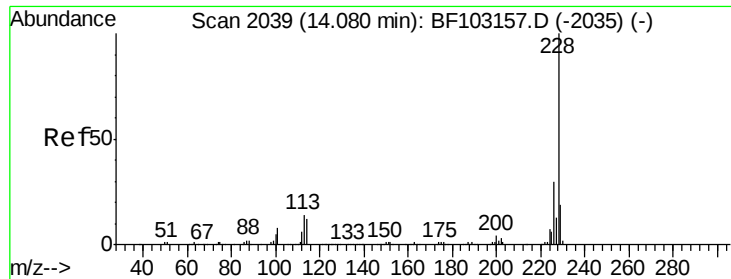
Sohil
 3/15/2018 6:58:09 PM



#80
 Benzo(a)anthracene
 Concen: 15.012 ng m
 RT: 14.04 min Scan# 2033
 Delta R.T. -0.00 min
 Lab File: BF103663.D
 Acq: 15 Mar 2018 2:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	24.3	15.8	23.6





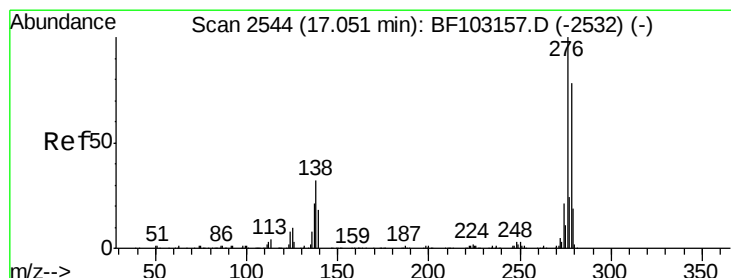
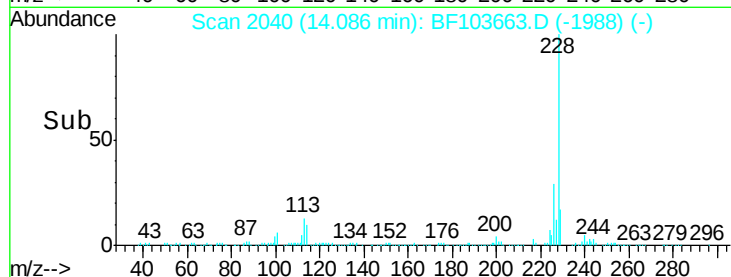
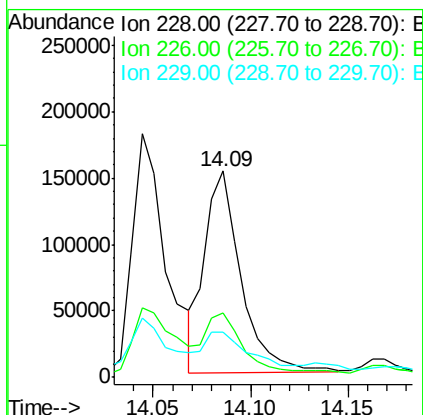
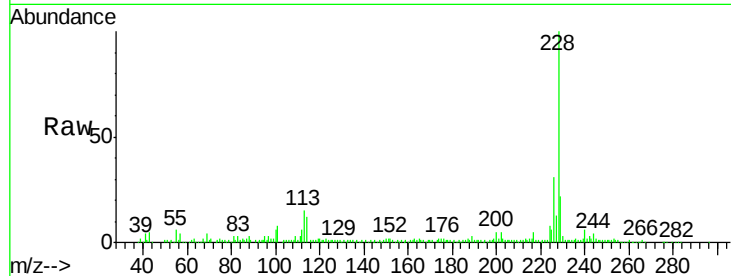
#82
Chrysene
Concen: 14.190 ng
RT: 14.09 min Scan# 2040
Delta R.T. 0.01 min
Lab File: BF103663.D
Acq: 15 Mar 2018 2:20

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

Tot Ion:	228	Resp:	198012
Ion Ratio	Lower	Upper	
228	100		
226	31.4	25.0	37.6
229	21.7	16.2	24.4

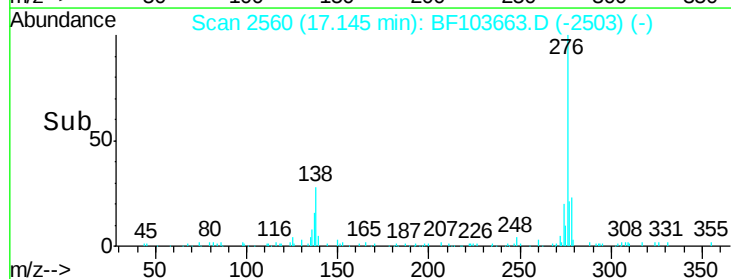
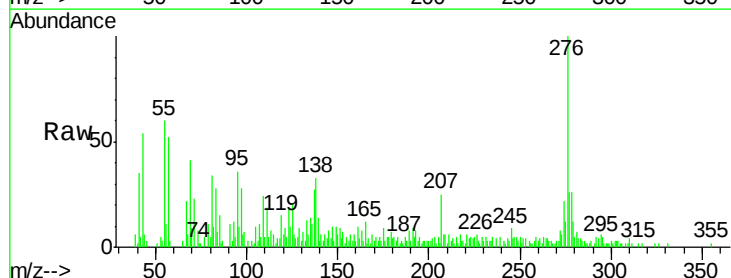
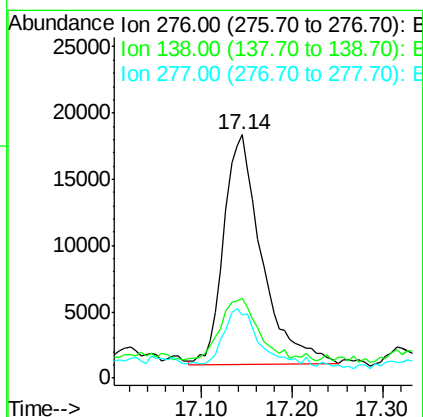
Manual Integrations
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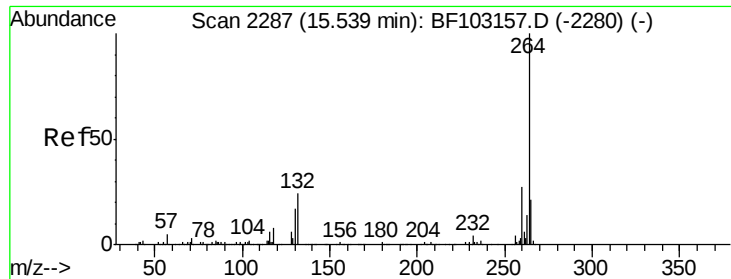
Sohil
3/15/2018 6:58:09 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 4.571 ng
RT: 17.14 min Scan# 2560
Delta R.T. 0.04 min
Lab File: BF103663.D
Acq: 15 Mar 2018 2:20

Tgt Ion:	276	Resp:	50497
Ion Ratio	Lower	Upper	
276	100		
138	25.1	25.0	37.6
277	24.7	20.1	30.1





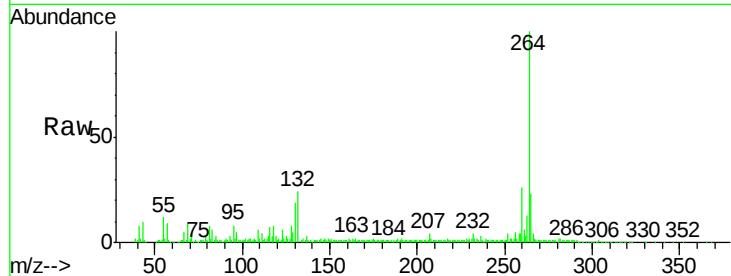
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2293
Delta R.T. 0.01 min
Lab File: BF103663.D
Acq: 15 Mar 2018 2:20

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.6	19.2	28.8
265	23.1	17.5	26.3

Manual Integrations
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Sohil
3/15/2018 6:58:09 PM

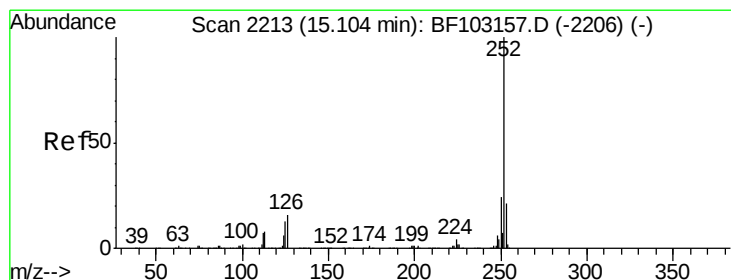
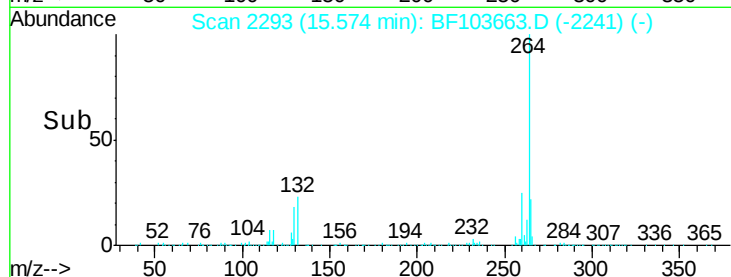
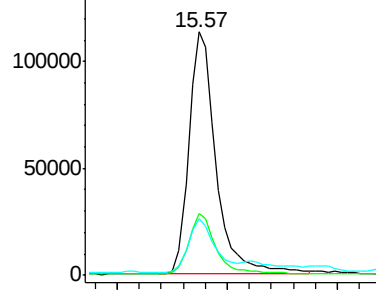


Abundance

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: 11.017 ng m
RT: 15.13 min Scan# 2218
Delta R.T. 0.01 min
Lab File: BF103663.D
Acq: 15 Mar 2018 2:20

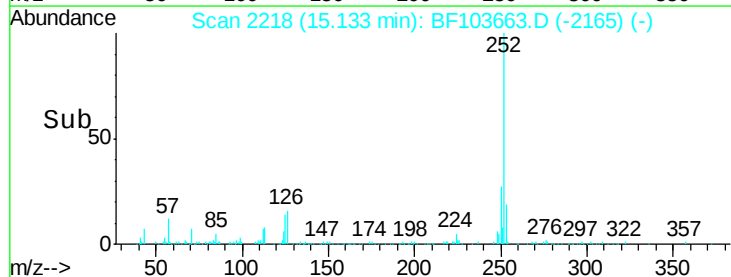
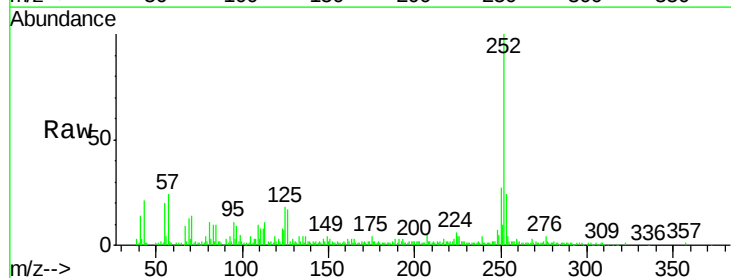
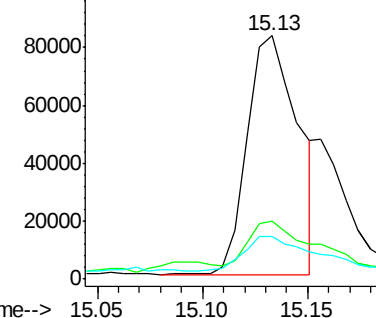
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.6
125	17.7	9.0	13.6

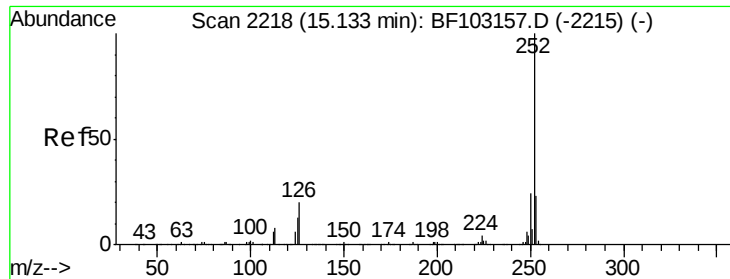
Abundance

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





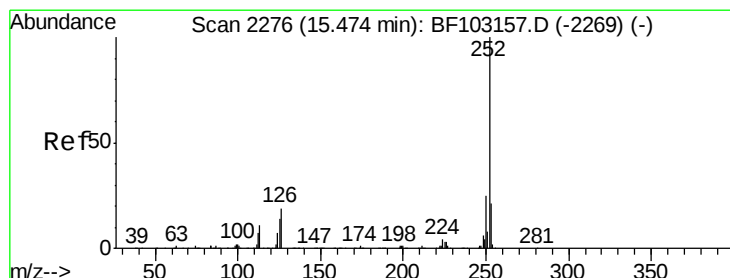
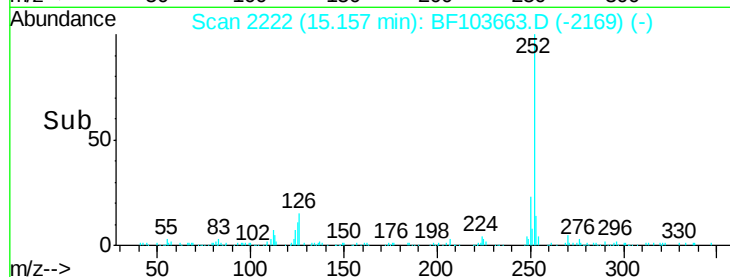
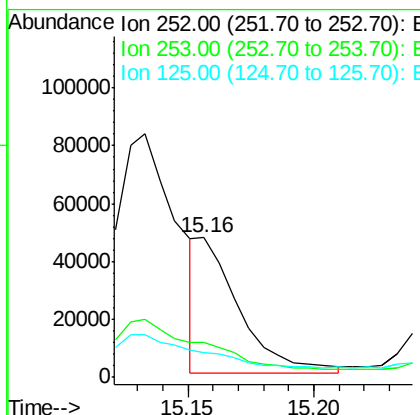
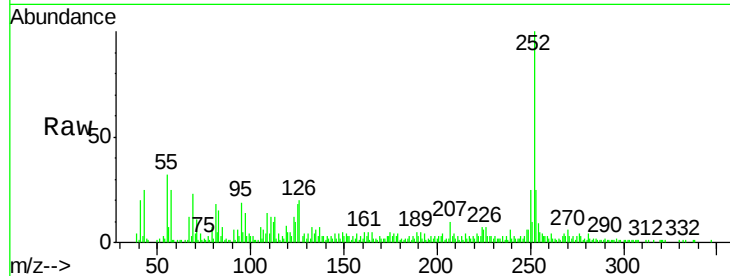
#88
Benzo(k)fluoranthene
Concen: 4.455 ng m
RT: 15.16 min Scan# 2222
Delta R.T. 0.01 min
Lab File: BF103663.D
Acq: 15 Mar 2018 2:20

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.9	26.9
125	17.6	10.2	15.2

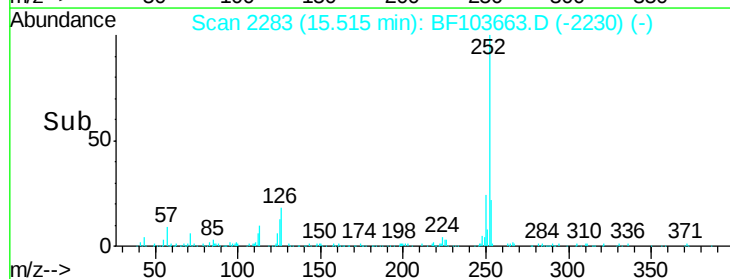
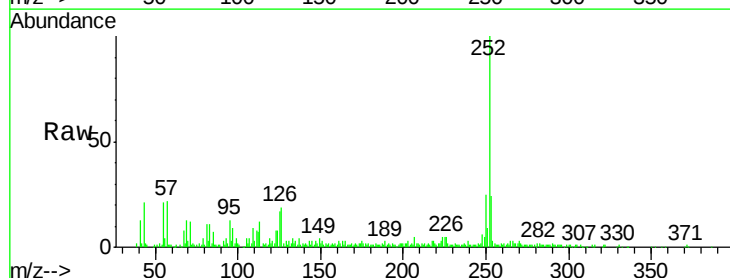
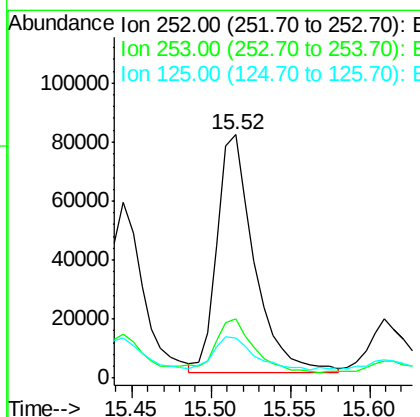
Manual Integrations
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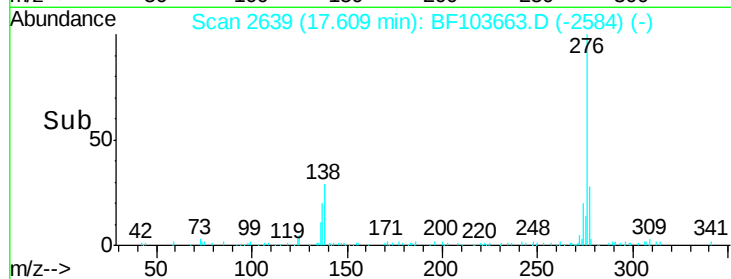
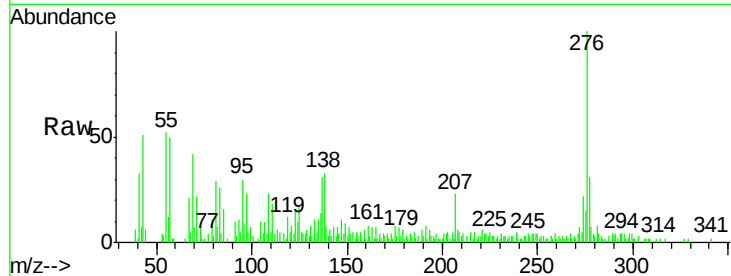
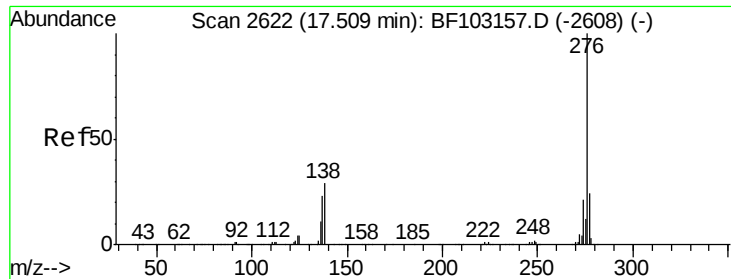
Sohil
3/15/2018 6:58:09 PM



#89
Benzo(a)pyrene
Concen: 11.480 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.01 min
Lab File: BF103663.D
Acq: 15 Mar 2018 2:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.1	25.7
125	16.6	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 6.379 ng

RT: 17.61 min Scan# 2639

Delta R.T. 0.02 min

Lab File: BF103663.D

Acq: 15 Mar 2018 2:20

Instrument :

BNA_F

ClientSampleId :

CL-01-031318-B

Tot Ion	Ratio	Lower	Upper
276	100		
277	30.5	17.9	26.9#
138	33.5	21.8	32.8#

Manual Integrations
APPROVED

Sohil
3/15/2018 6:58:09 PM

