

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031418\
 Data File : BF103643.D
 Acq On : 14 Mar 2018 16:25
 Operator : SJ/JU
 Sample : J1754-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

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

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

Quant Time: Mar 15 09:05:42 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	142100	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	612793	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	244962	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	340814	20.00	ng	0.00
75) Chrysene-d12	14.06	240	214386	20.00	ng	0.00
86) Perylene-d12	15.57	264	168716	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	842761m	89.70	ng	0.00
7) Phenol-d6	6.50	99	1103716	96.00	ng	0.00
23) Nitrobenzene-d5	7.43	82	682532	63.61	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	129513	62.46	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	856038	55.21	ng	0.00
78) Terphenyl-d14	12.98	244	485510	54.44	ng	0.00
Target Compounds						
37) 2-Methylnaphthalene	8.86	142	53137	2.741	ng	98
48) Acenaphthylene	9.76	152	83883	3.357	ng	# 95
57) Fluorene	10.45	166	77878	4.571	ng	# 91
70) Phenanthrene	11.42	178	377926	20.150	ng	98
71) Anthracene	11.47	178	110967	5.770	ng	97
73) Di-n-butylphthalate	11.94	149	303151	12.649	ng	99
74) Fluoranthene	12.62	202	339732	18.025	ng	99
77) Pyrene	12.85	202	427039	25.548	ng	99
80) Benzo(a)anthracene	14.04	228	154871	11.134	ng	# 95
82) Chrysene	14.08	228	143537	10.627	ng	# 95
85) Indeno(1,2,3-cd)pyrene	17.13	276	36985	3.459	ng	96
87) Benzo(b)fluoranthene	15.13	252	104482m	9.419	ng	
88) Benzo(k)fluoranthene	15.15	252	27407m	2.624	ng	
89) Benzo(a)pyrene	15.51	252	82771	8.356	ng	# 87
91) Benzo(a,h,i)perylene	17.61	276	39080	5.224	ng	# 85

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

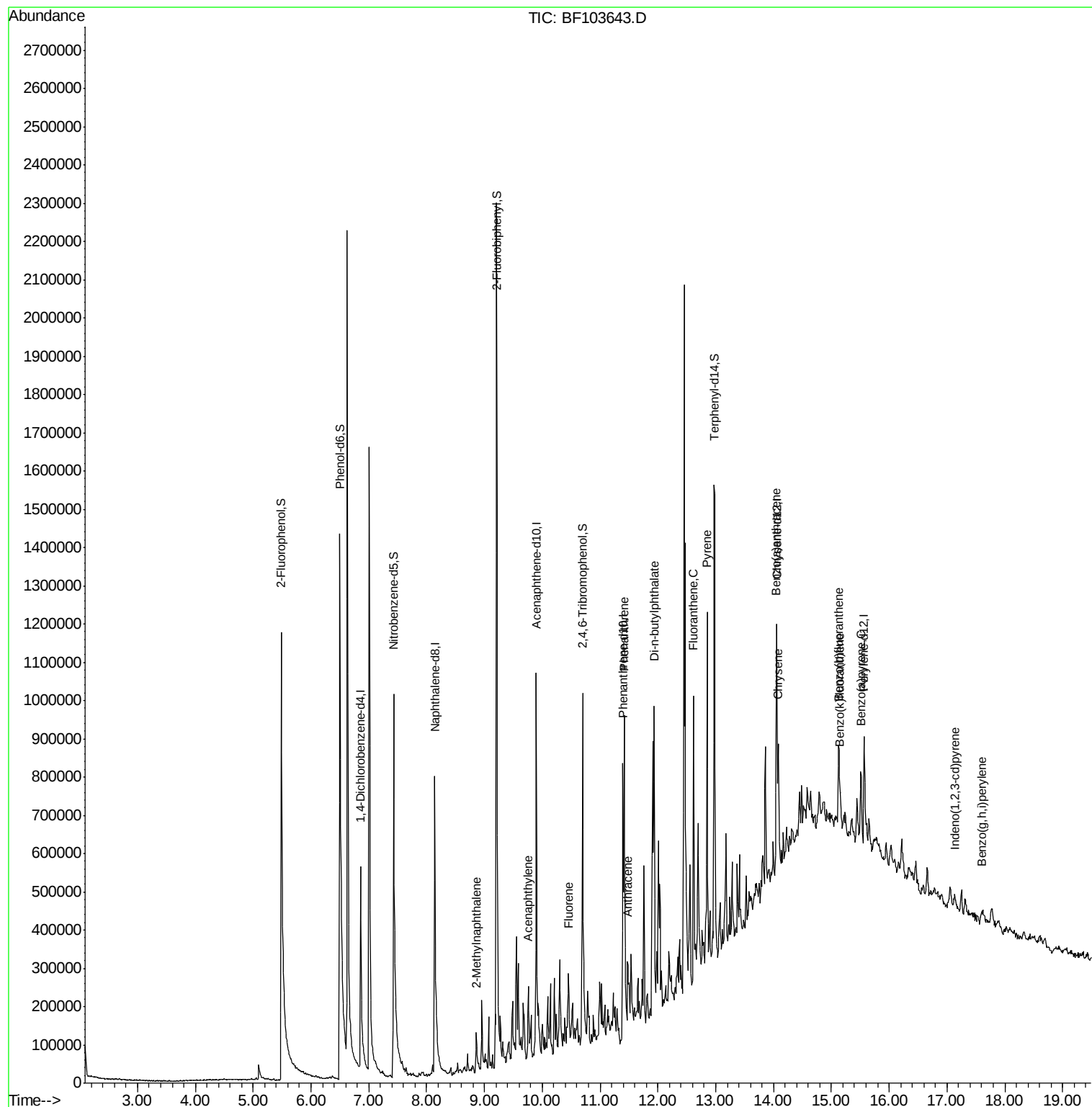
Data Path : Z:\HPCHEM1\BNA F\DATA\BF031418\
Data File : BF103643.D
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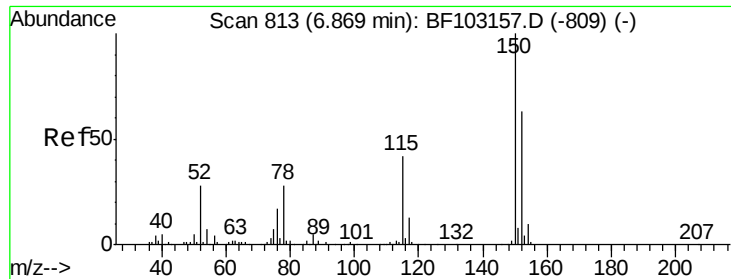
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#1

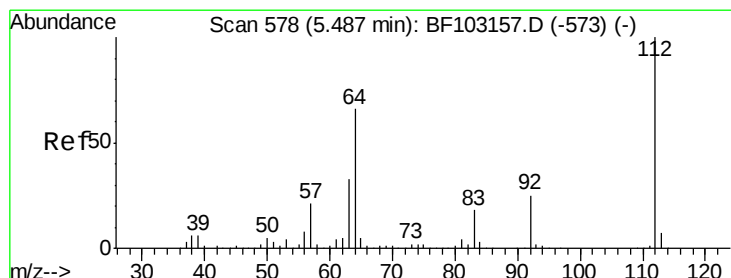
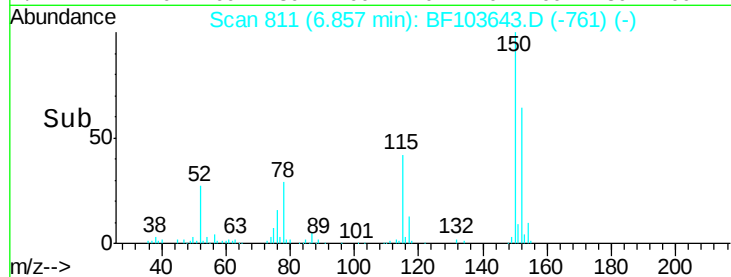
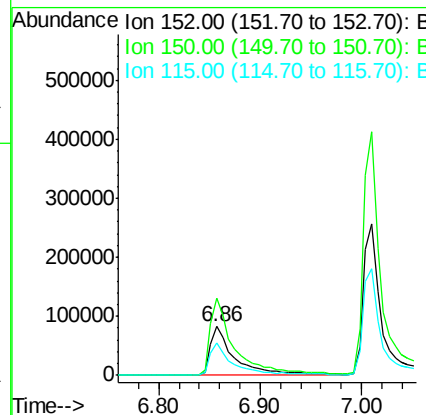
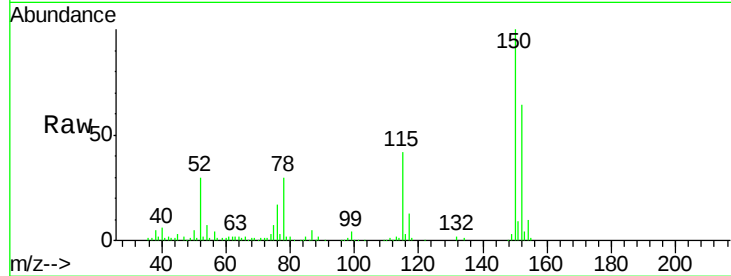
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF103643.D
Acq: 14 Mar 2018 16:25

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	124.6	186.8
115	65.5	50.1	75.1

Manual Integrations
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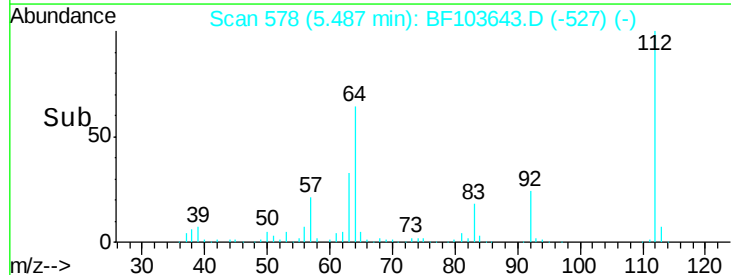
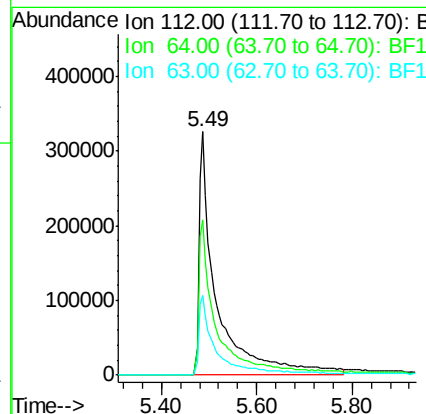
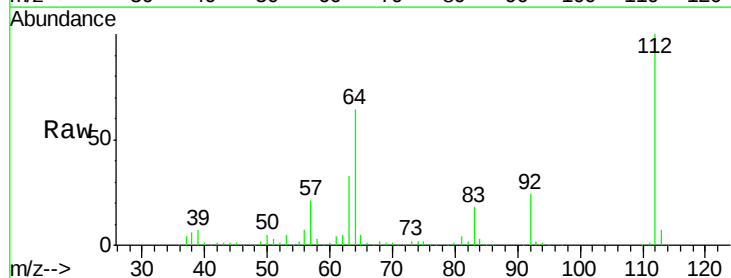
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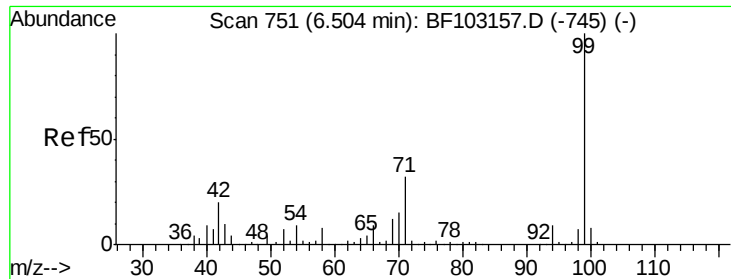


#5

2-Fluorophenol
Concen: 89.699 ng m
RT: 5.49 min Scan# 578
Delta R.T. 0.00 min
Lab File: BF103643.D
Acq: 14 Mar 2018 16:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.7	47.9	71.9
63	33.0	23.7	35.5





#7

Phenol-d6

Concen: 96.002 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF103643.D

Acq: 14 Mar 2018 16:25

Instrument :

BNA_F

ClientSampleId :

CL-01-031318-E

Tot Ion: 99 Resp: 1103716

Ion Ratio Lower Upper

99 100

42 21.5 14.5 21.7

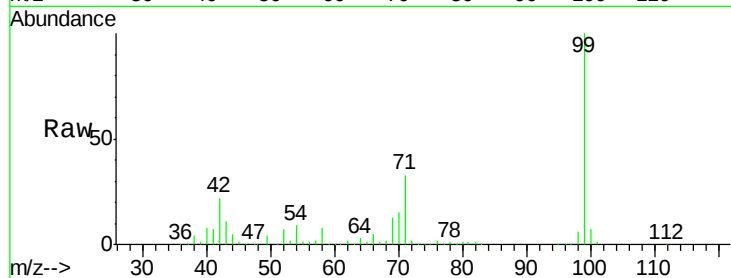
71 32.5 25.4 38.0

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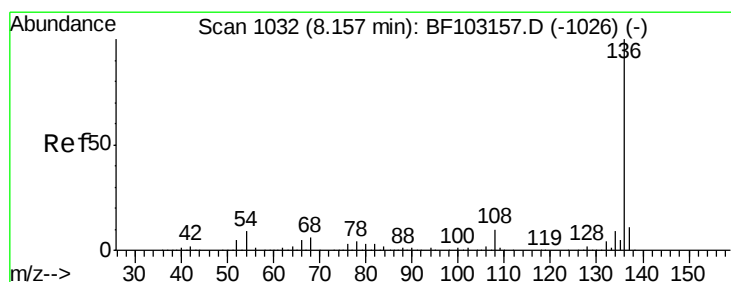
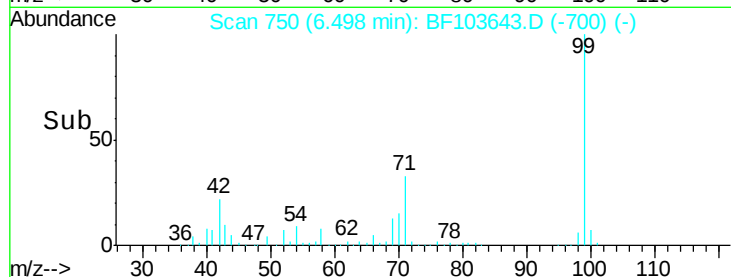
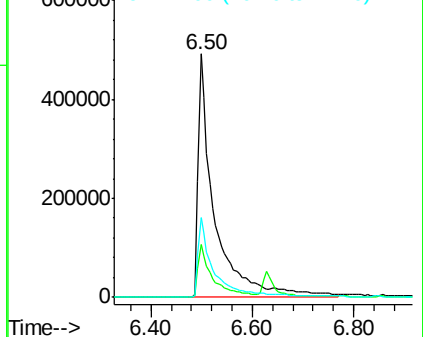
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.14 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BF103643.D

Acq: 14 Mar 2018 16:25

Tgt Ion: 136 Resp: 612793

Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 9.3 6.6 9.8

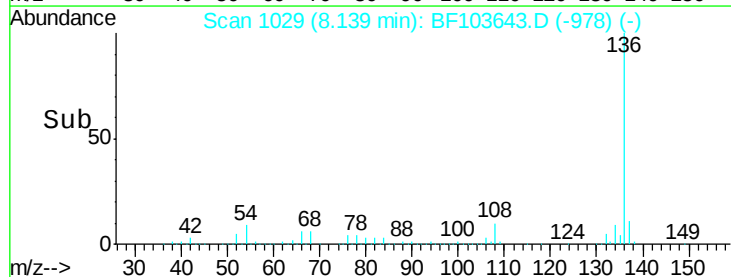
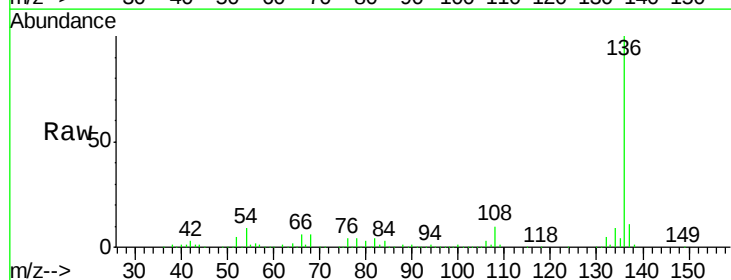
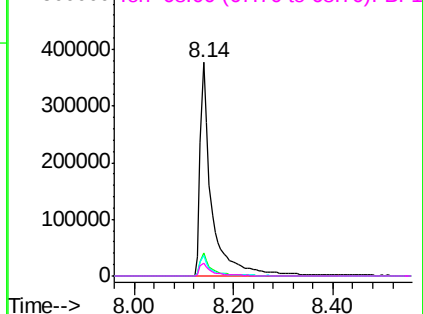
68 5.9 5.0 7.4

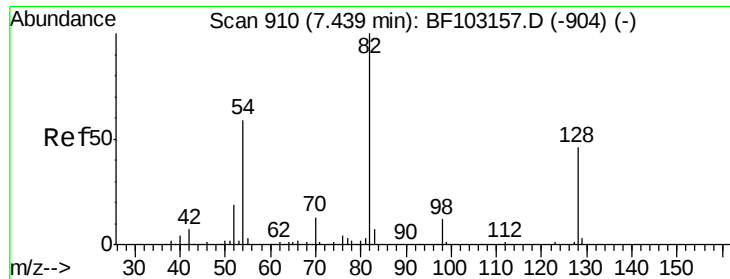
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





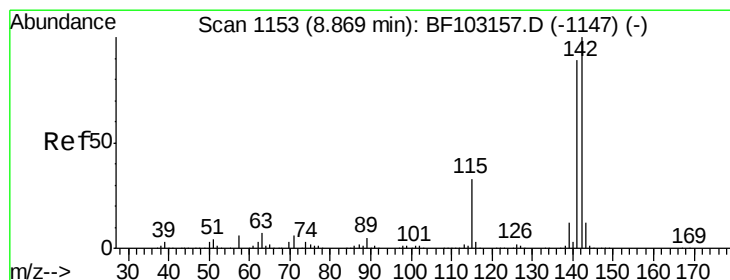
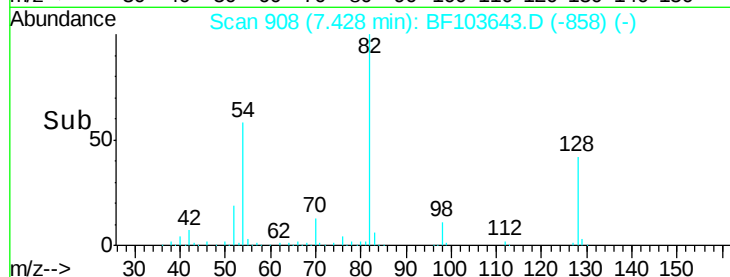
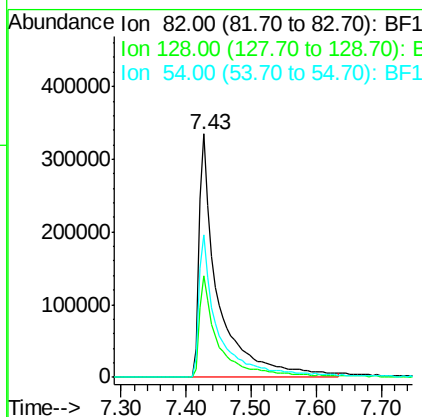
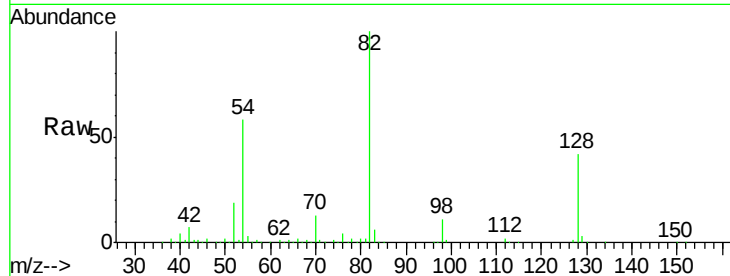
#23
Nitrobenzene-d5
Concen: 63.608 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF103643.D
Acq: 14 Mar 2018 16:25

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.6	36.1	54.1
54	58.4	41.4	62.2

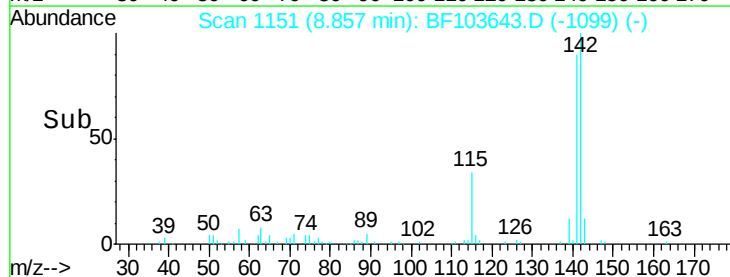
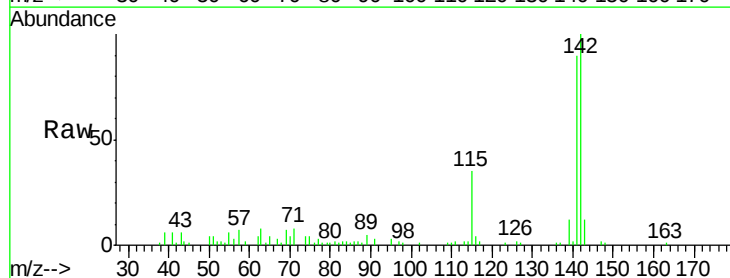
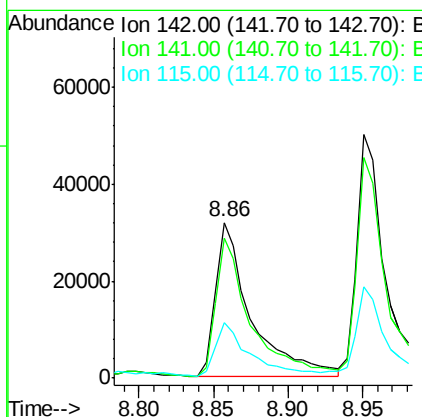
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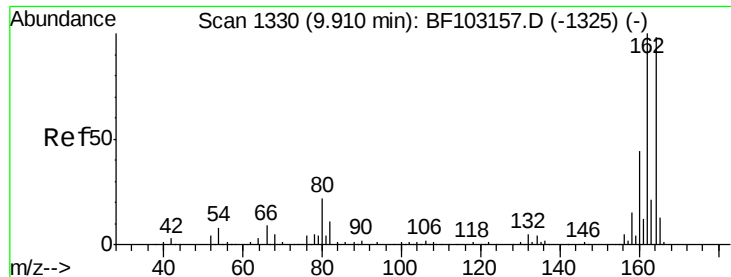
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#37
2-Methylnaphthalene
Concen: 2.741 ng
RT: 8.86 min Scan# 1151
Delta R.T. 0.01 min
Lab File: BF103643.D
Acq: 14 Mar 2018 16:25

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.9	70.8	106.2
115	35.4	26.1	39.1





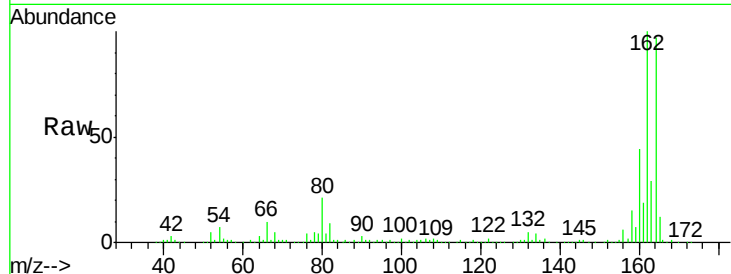
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: BF103643.D
 Acq: 14 Mar 2018 16:25

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

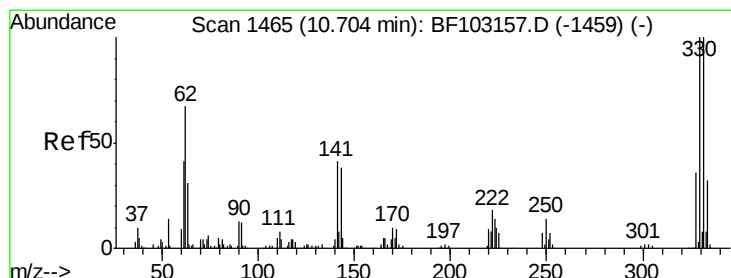
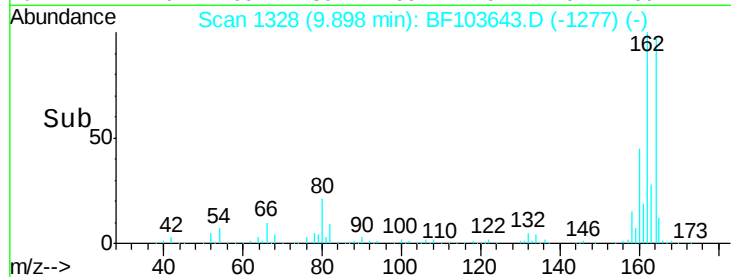
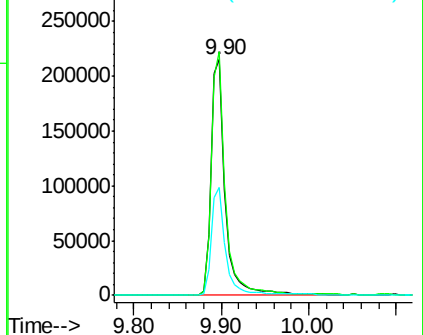
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.2	86.1	129.1	
160	45.9	38.3	57.5	

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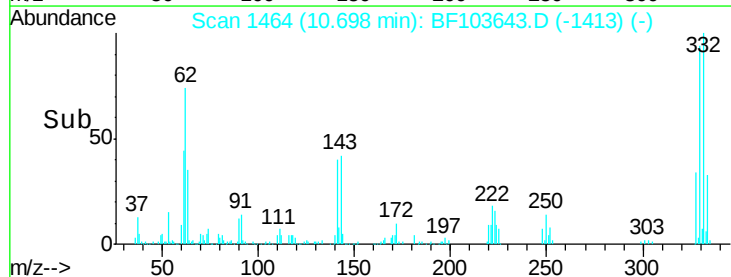
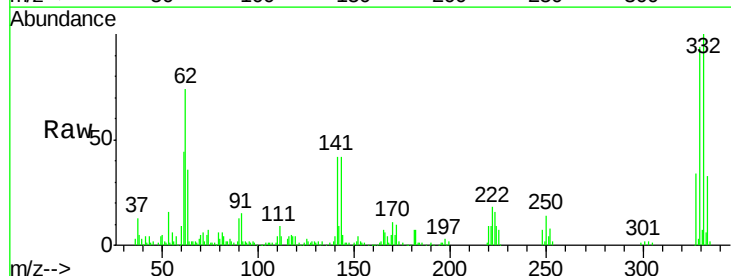
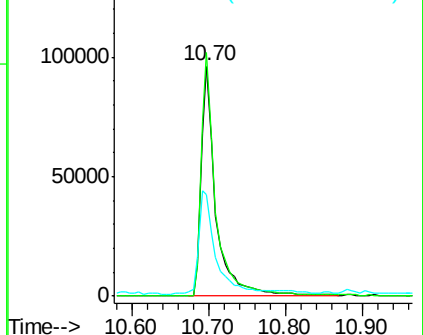
Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

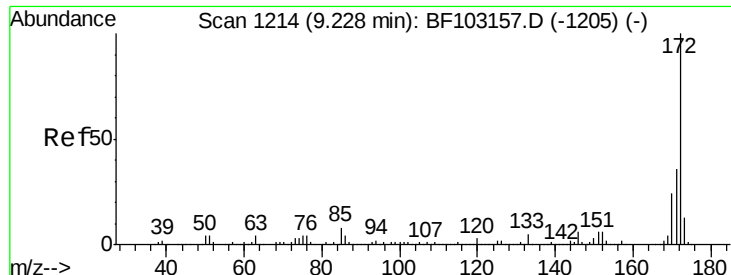


#41
 2,4,6-Tribromophenol
 Concen: 62.462 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.00 min
 Lab File: BF103643.D
 Acq: 14 Mar 2018 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	104.5	77.0	115.6	
141	50.4	29.9	44.9	

Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E





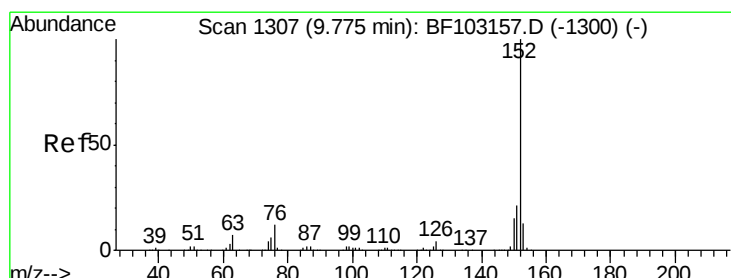
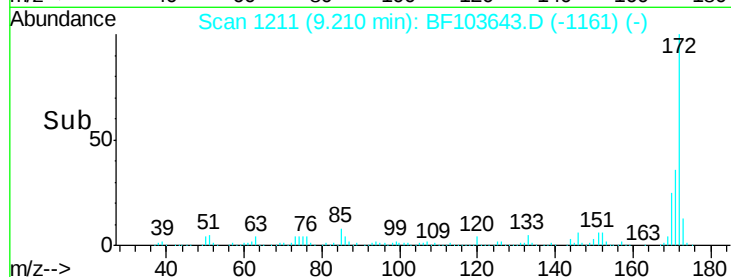
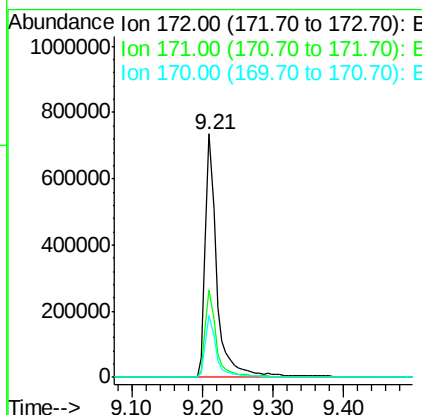
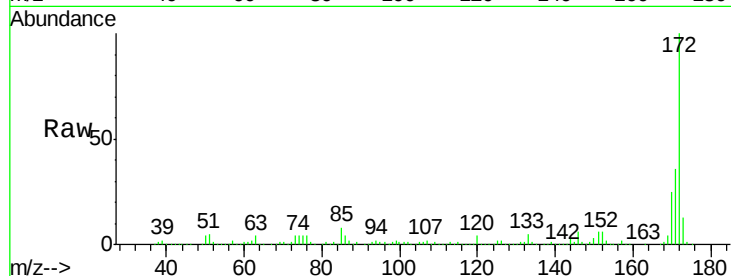
#44
2-Fluorobiphenyl
Concen: 55.212 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF103643.D
Acq: 14 Mar 2018 16:25

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

Tot Ion	Ratio	Resp	Lower	Upper
172	100	856038		
171	36.2		29.7	44.5
170	25.2		19.6	29.4

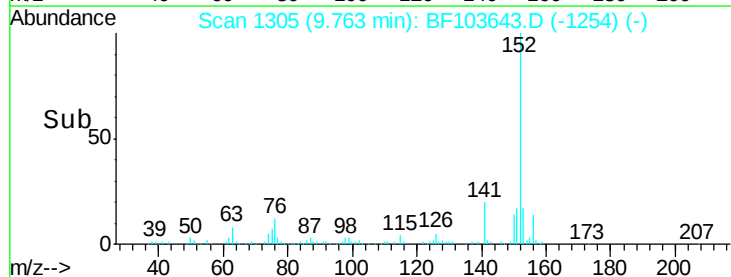
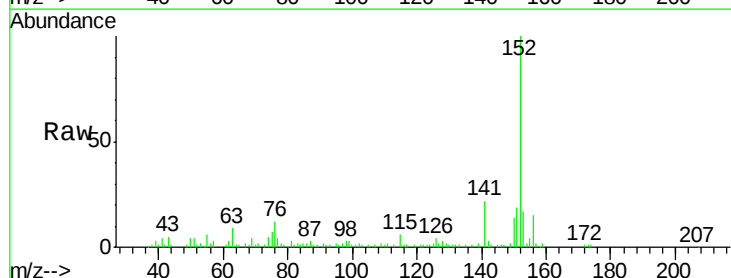
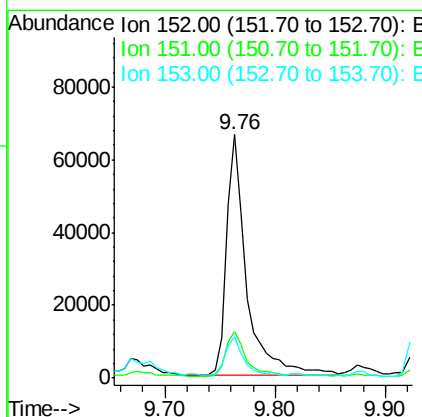
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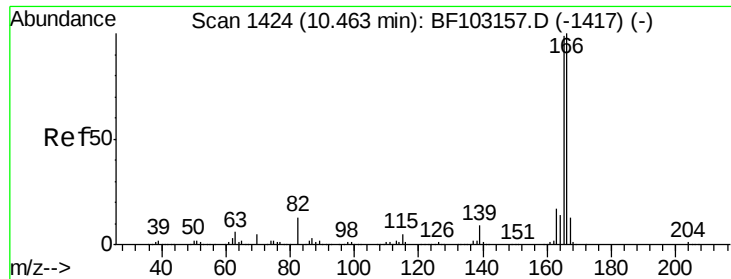
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#48
Acenaphthylene
Concen: 3.357 ng
RT: 9.76 min Scan# 1305
Delta R.T. 0.00 min
Lab File: BF103643.D
Acq: 14 Mar 2018 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	83883		
151	19.1		16.3	24.5
153	17.1		10.7	16.1#





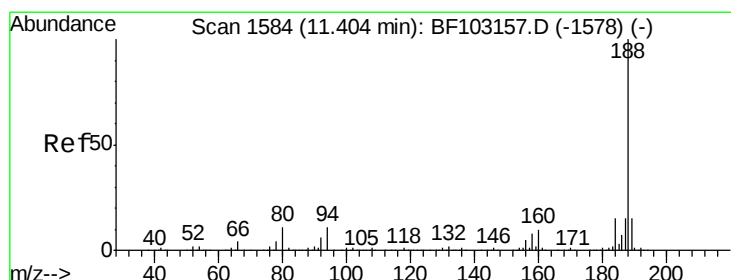
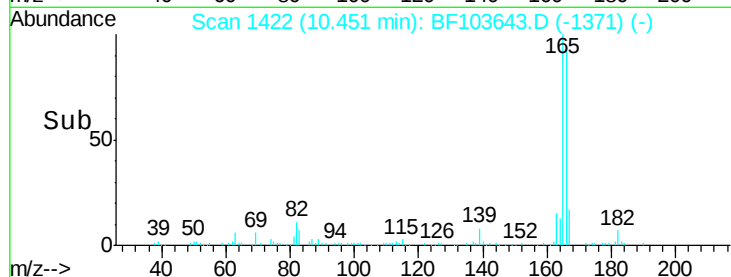
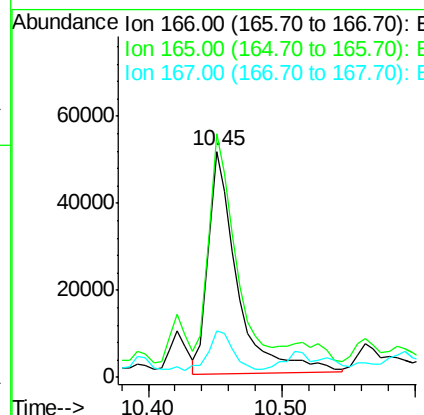
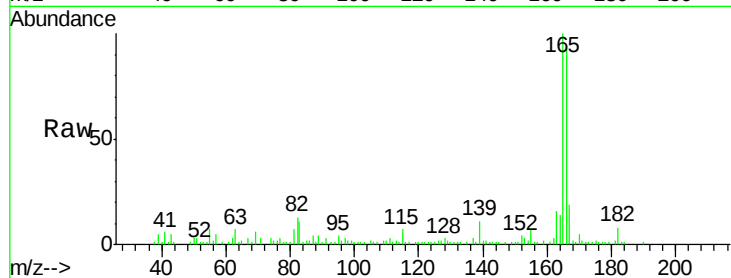
#57
Fluorene
 Concen: 4.571 ng
 RT: 10.45 min Scan# 1422
 Delta R.T. 0.00 min
 Lab File: BF103643.D
 Acq: 14 Mar 2018 16:25

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

Tot Ion	Ratio	Lower	Upper
166	100		
165	107.7	79.8	119.8
167	20.3	10.6	16.0

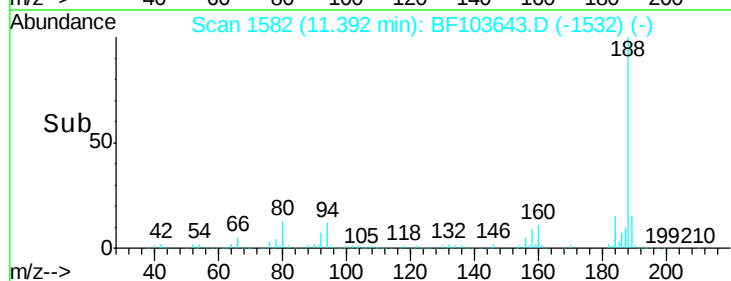
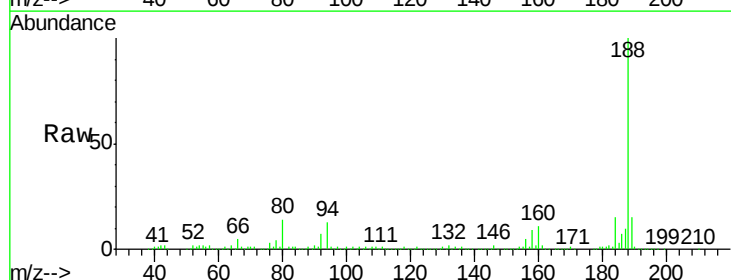
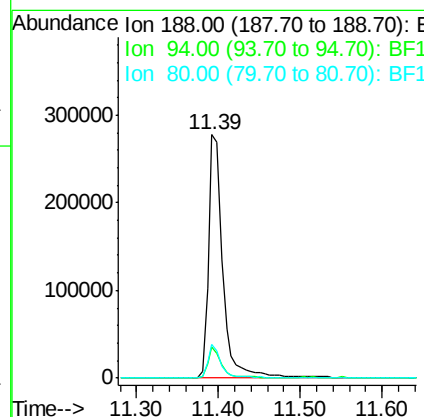
Manual Integrations
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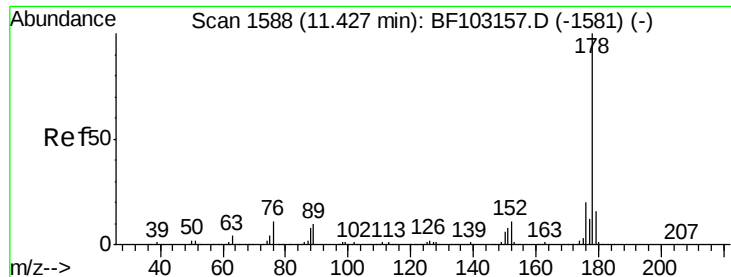
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BF103643.D
 Acq: 14 Mar 2018 16:25

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.6	8.5	12.7
80	13.6	9.2	13.8





#70

Phenanthrene

Concen: 20.150 ng

RT: 11.42 min Scan# 1587

Delta R.T. 0.00 min

Lab File: BF103643.D

Acq: 14 Mar 2018 16:25

Instrument :

BNA_F

ClientSampleId :

CL-01-031318-E

Tot Ion:178 Resp: 377926

Ion Ratio Lower Upper

178 100

176 20.7 15.8 23.8

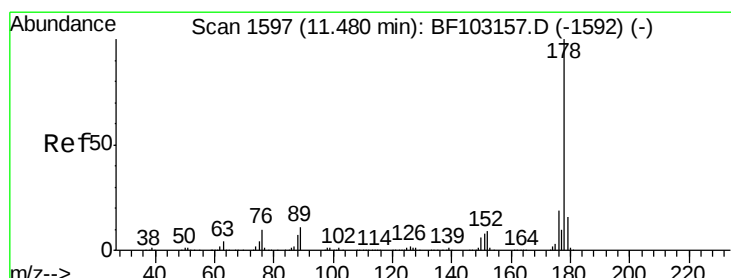
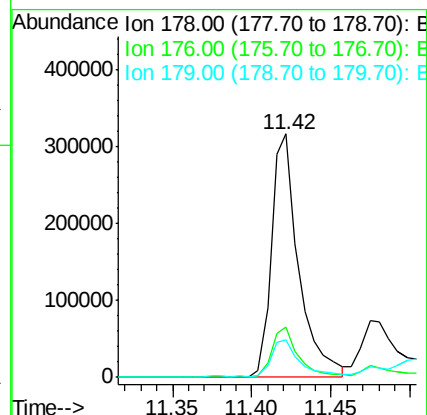
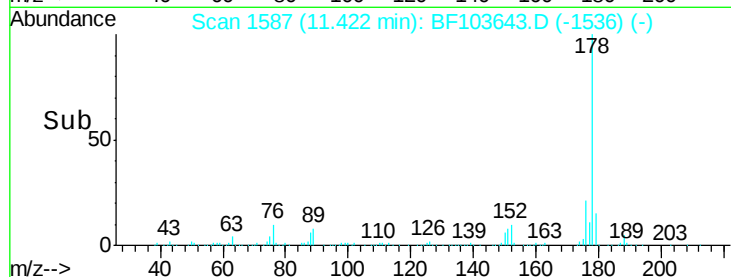
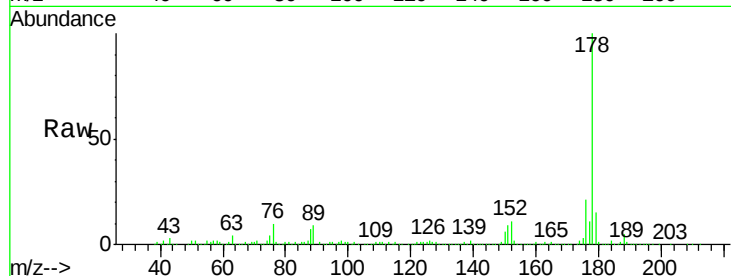
179 15.3 13.0 19.6

Manual Integrations

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#71

Anthracene

Concen: 5.770 ng

RT: 11.47 min Scan# 1596

Delta R.T. 0.00 min

Lab File: BF103643.D

Acq: 14 Mar 2018 16:25

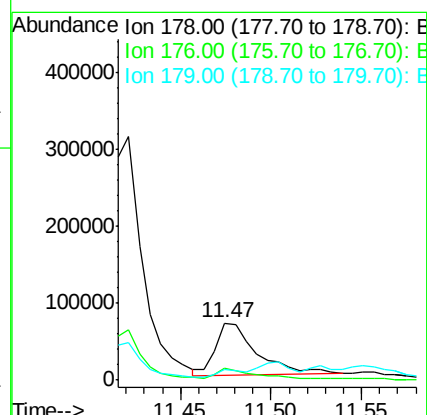
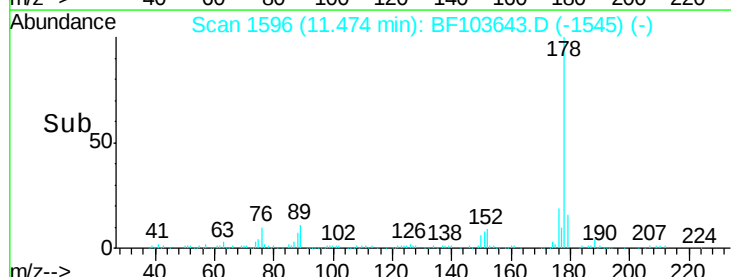
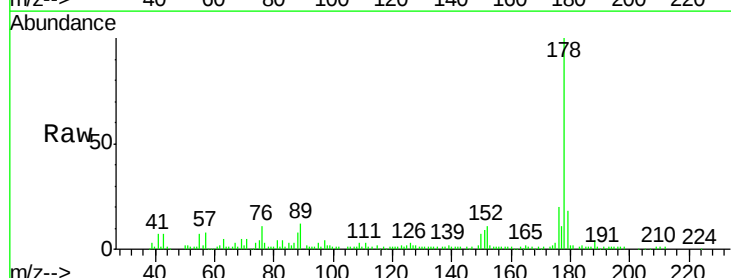
Tgt Ion:178 Resp: 110967

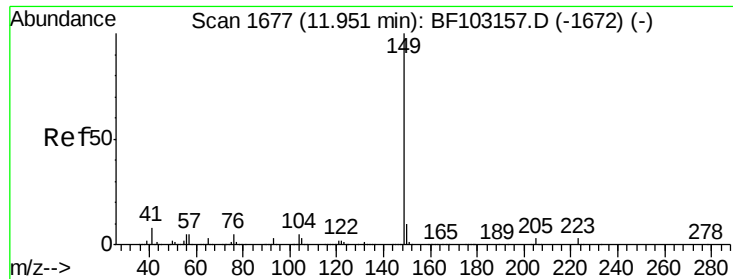
Ion Ratio Lower Upper

178 100

176 20.1 15.4 23.2

179 17.8 12.6 19.0





#73

Di-n-butylphthalate

Concen: 12.649 ng

RT: 11.94 min Scan# 1675

Delta R.T. 0.00 min

Lab File: BF103643.D

Acq: 14 Mar 2018 16:25

Instrument :

BNA_F

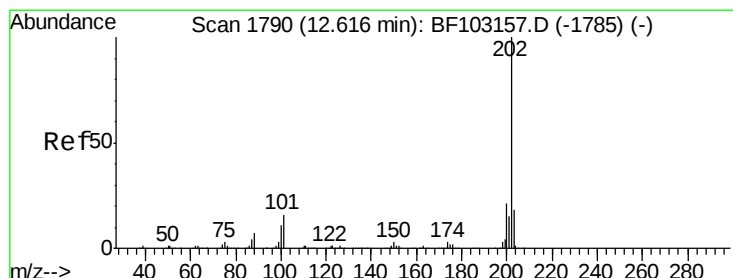
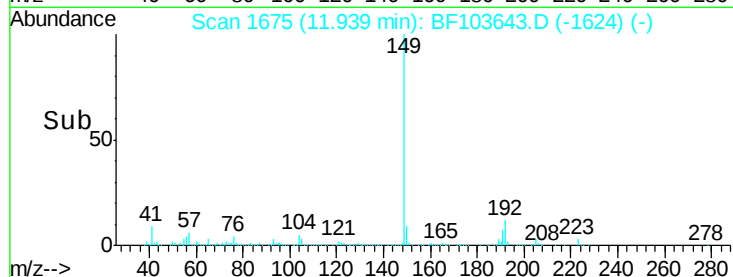
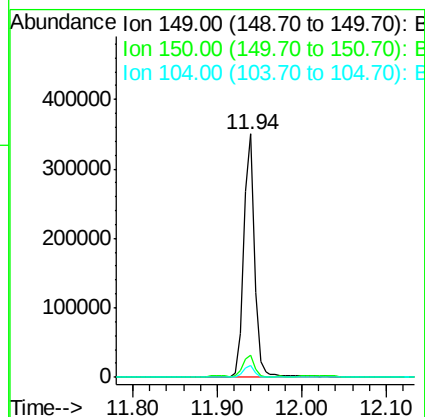
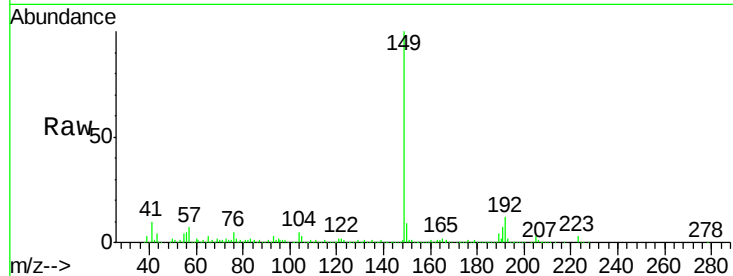
ClientSampleId :

CL-01-031318-E

Tot Ion:	149	Resp:	303151
Ion Ratio	Lower	Upper	
149	100		
150	9.1	7.8	11.6
104	5.1	3.8	5.8

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#74

Fluoranthene

Concen: 18.025 ng

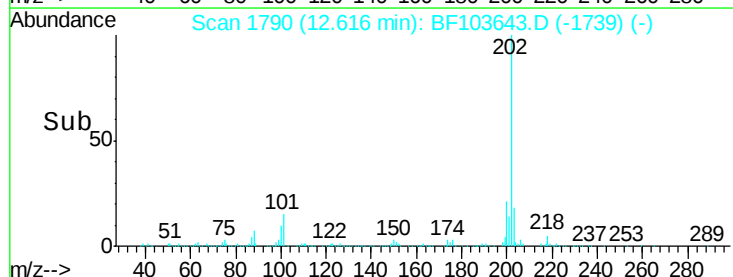
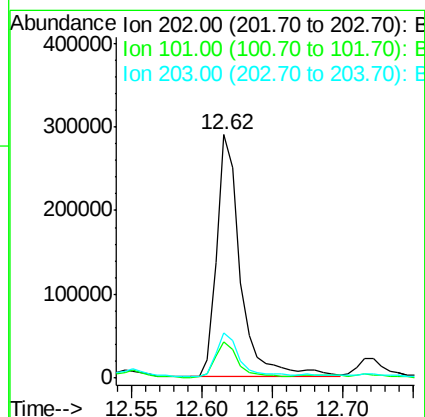
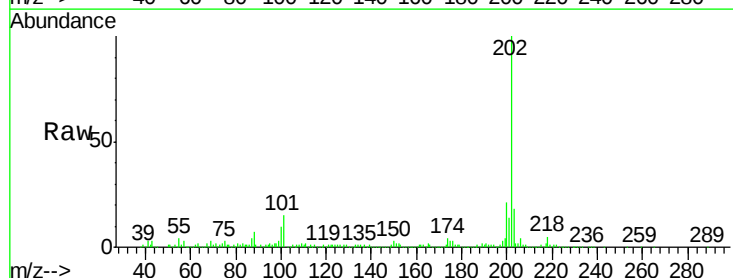
RT: 12.62 min Scan# 1790

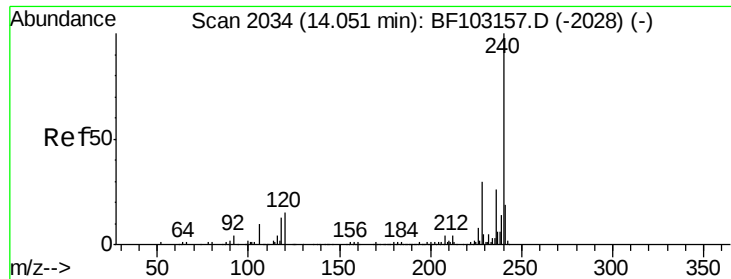
Delta R.T. 0.00 min

Lab File: BF103643.D

Acq: 14 Mar 2018 16:25

Tgt Ion:	202	Resp:	339732
Ion Ratio	Lower	Upper	
202	100		
101	14.9	0.0	34.1
203	18.5	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: BF103643.D

Acq: 14 Mar 2018 16:25

Instrument :

BNA_F

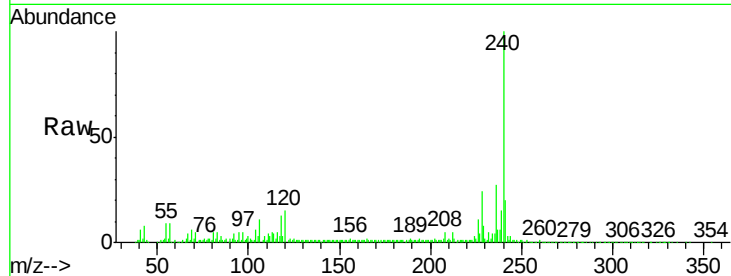
ClientSampleId :

CL-01-031318-E

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.8	9.5	14.3
236	27.1	20.7	31.1

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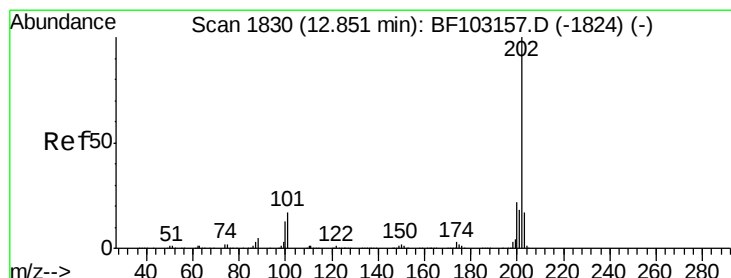
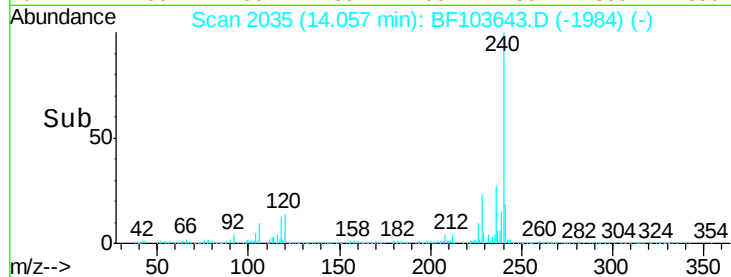
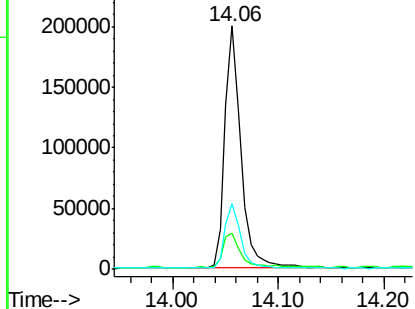
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 25.548 ng

RT: 12.85 min Scan# 1830

Delta R.T. 0.01 min

Lab File: BF103643.D

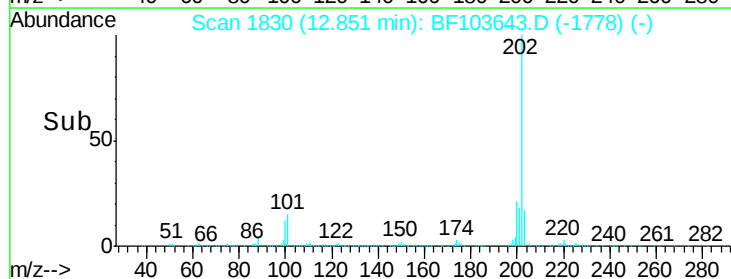
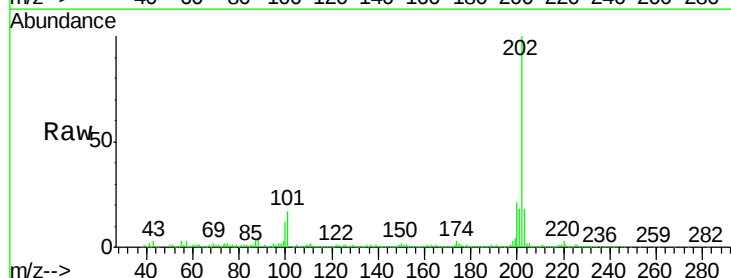
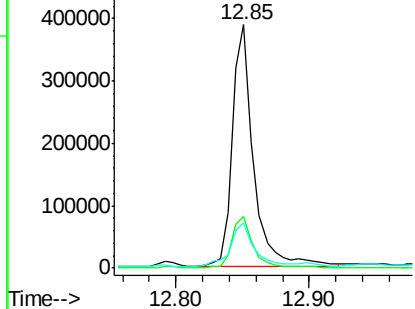
Acq: 14 Mar 2018 16:25

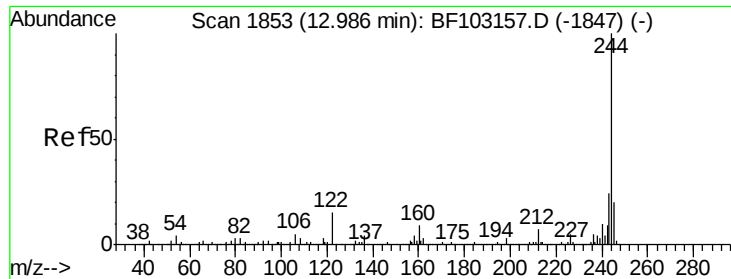
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.2
203	18.4	14.3	21.5

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: 54.439 ng

RT: 12.98 min Scan# 1852

Delta R.T. 0.01 min

Lab File: BF103643.D

Acq: 14 Mar 2018 16:25

Instrument :

BNA_F

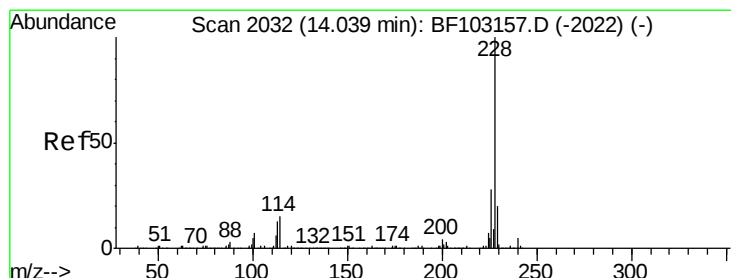
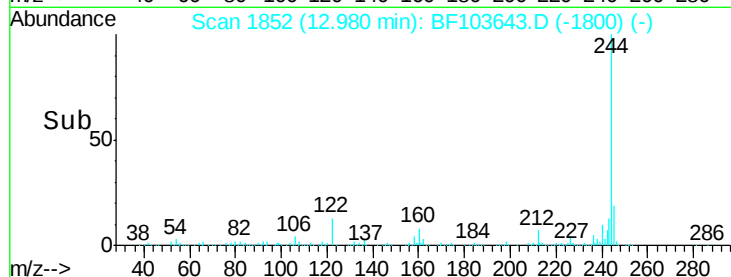
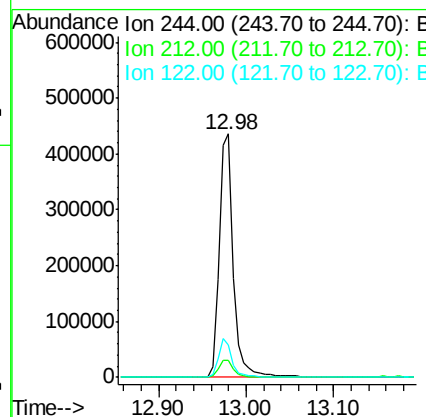
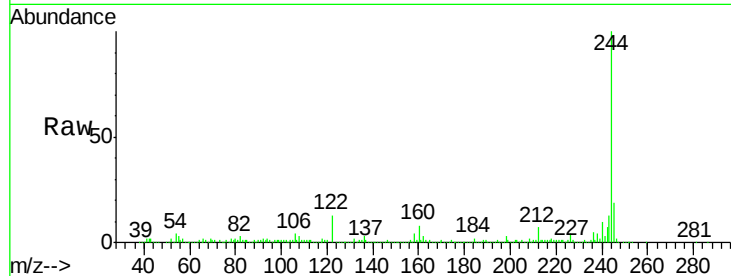
ClientSampleId :

CL-01-031318-E

Tot Ion:	244	Resp:	485510
Ion Ratio		Lower	Upper
244	100		
212	7.1	5.4	8.0
122	13.2	11.0	16.4

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 11.134 ng

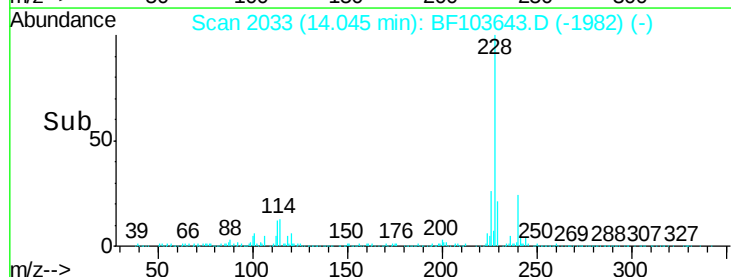
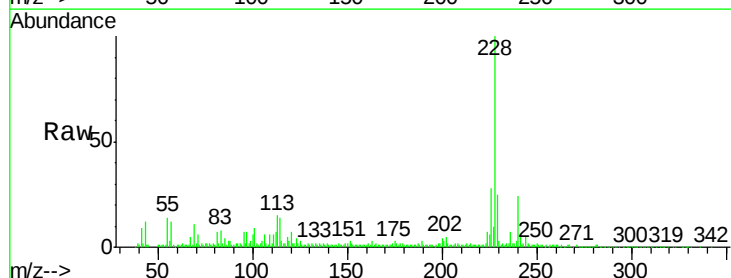
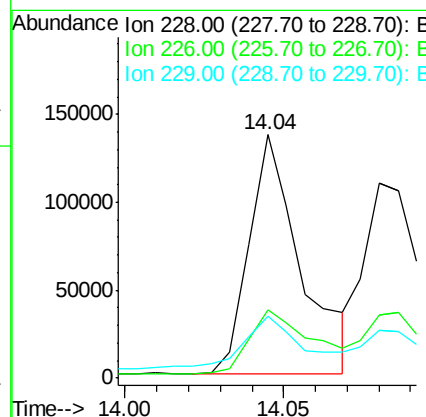
RT: 14.04 min Scan# 2033

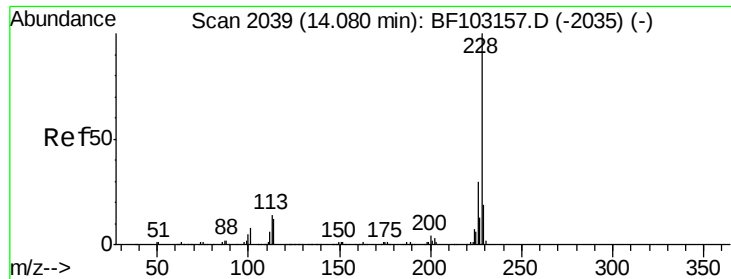
Delta R.T. 0.00 min

Lab File: BF103643.D

Acq: 14 Mar 2018 16:25

Tgt Ion:	228	Resp:	154871
Ion Ratio		Lower	Upper
228	100		
226	28.3	22.6	33.8
229	25.3	15.8	23.6#





#82

Chrysene

Concen: 10.627 ng

RT: 14.08 min Scan# 2039

Delta R.T. 0.00 min

Lab File: BF103643.D

Acq: 14 Mar 2018 16:25

Instrument :

BNA_F

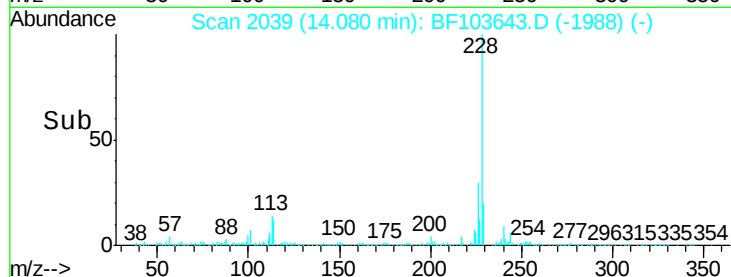
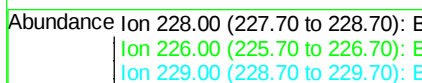
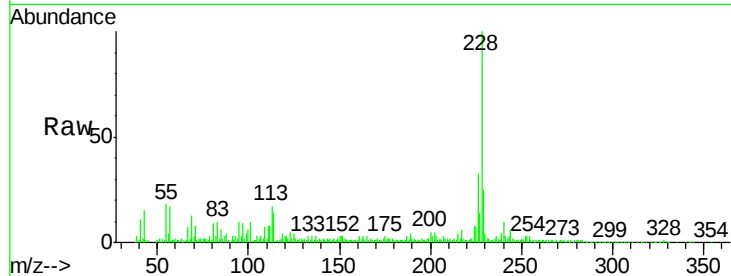
ClientSampleId :

CL-01-031318-E

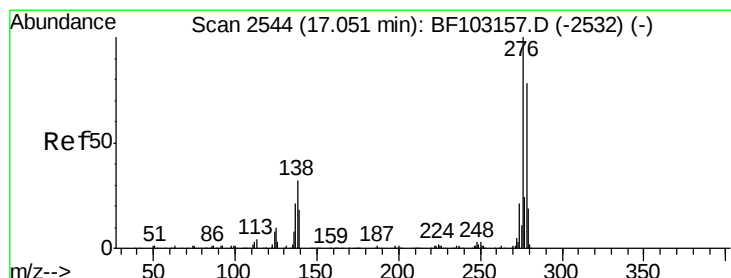
Tot Ion:	228	Resp:	143537
Ion Ratio	Lower	Upper	
228	100		
226	32.6	25.0	37.6
229	24.7	16.2	24.4

Manual Integrations
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Time-->



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.459 ng

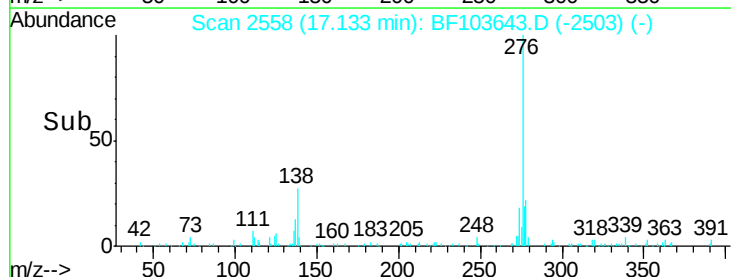
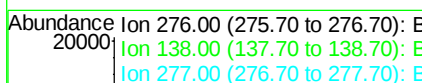
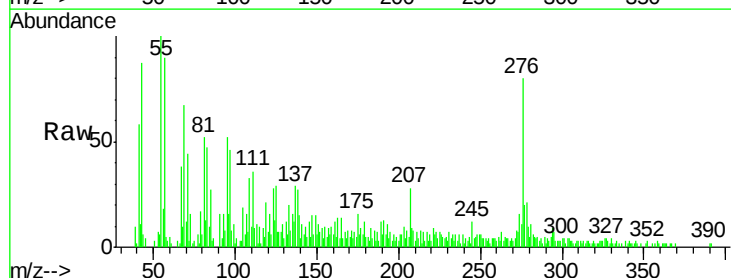
RT: 17.13 min Scan# 2558

Delta R.T. 0.02 min

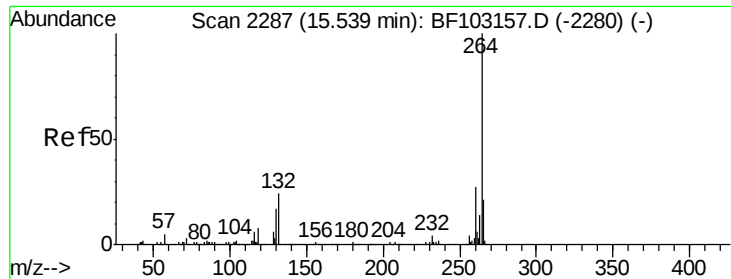
Lab File: BF103643.D

Acq: 14 Mar 2018 16:25

Tgt Ion:	276	Resp:	36985
Ion Ratio	Lower	Upper	
276	100		
138	29.3	25.0	37.6
277	22.9	20.1	30.1



Time-->



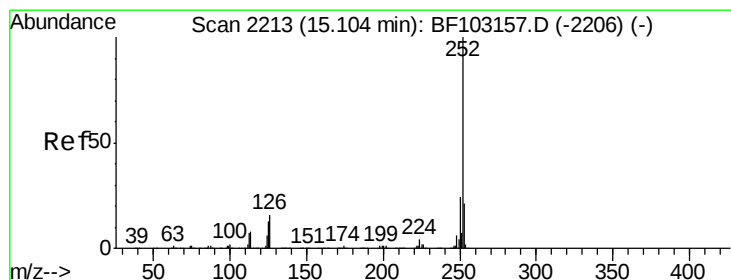
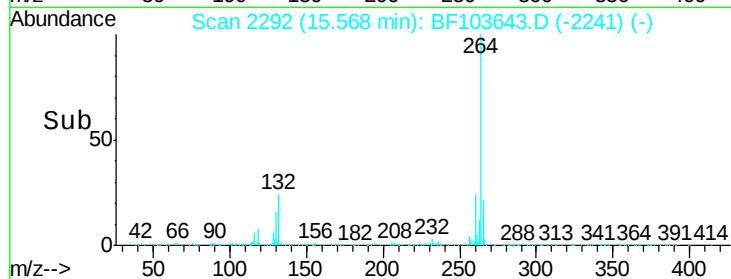
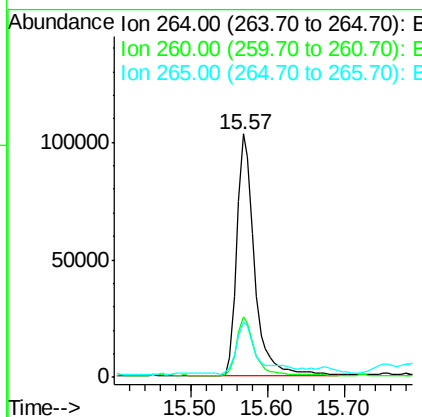
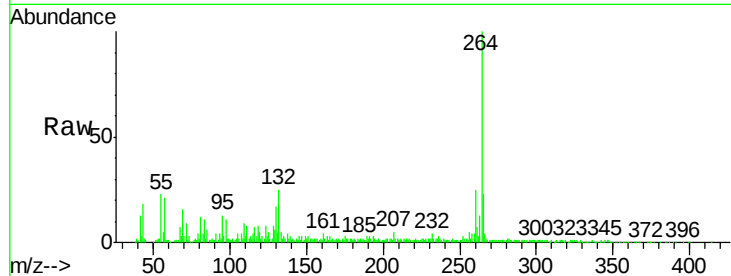
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2292
Delta R.T. 0.00 min
Lab File: BF103643.D
Acq: 14 Mar 2018 16:25

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	22.6	17.5	26.3

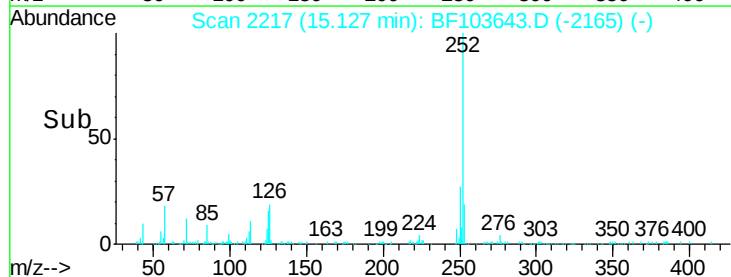
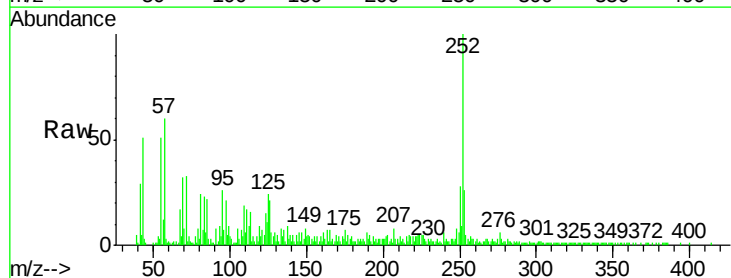
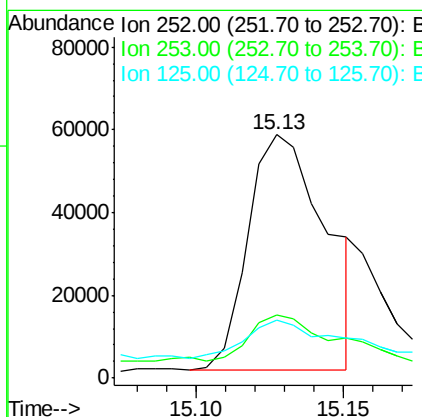
Manual Integrations
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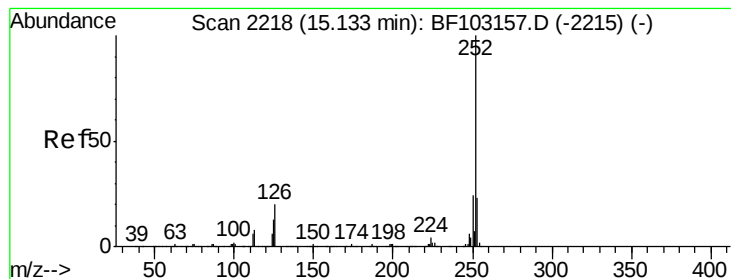
Sohil
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#87
Benzo(b)fluoranthene
Concen: 9.419 ng m
RT: 15.13 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF103643.D
Acq: 14 Mar 2018 16:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.0	25.6#
125	23.6	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 2.624 ng

RT: 15.15 min Scan# 2221

Delta R.T. 0.01 min

Lab File: BF103643.D

Acq: 14 Mar 2018 16:25

Instrument :

BNA_F

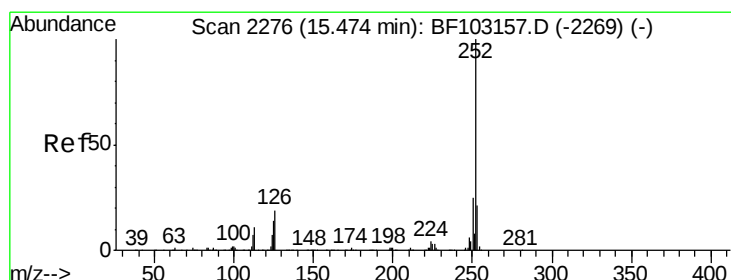
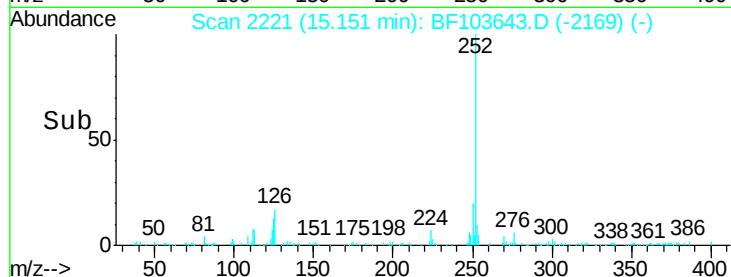
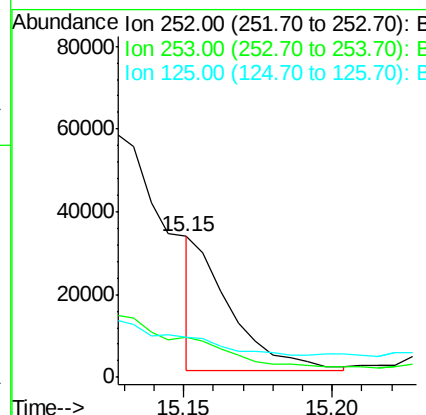
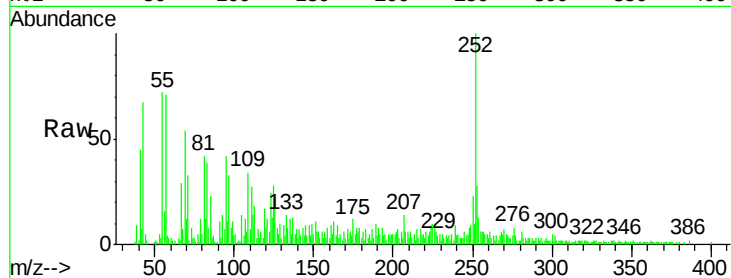
ClientSampleId :

CL-01-031318-E

Tot Ion:	252	Resp:	27407
Ion Ratio	Lower	Upper	
252	100		
253	28.1	17.9	26.9#
125	28.4	10.2	15.2#

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 8.356 ng

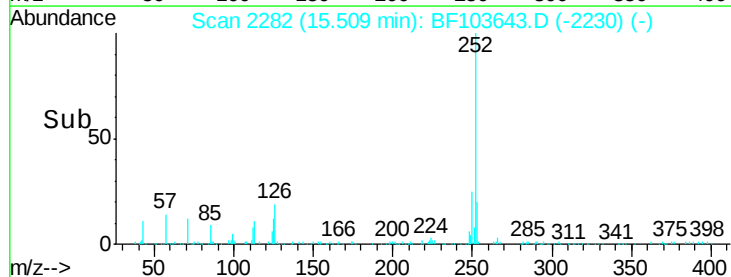
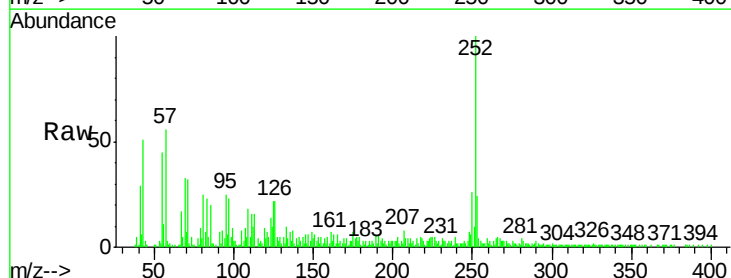
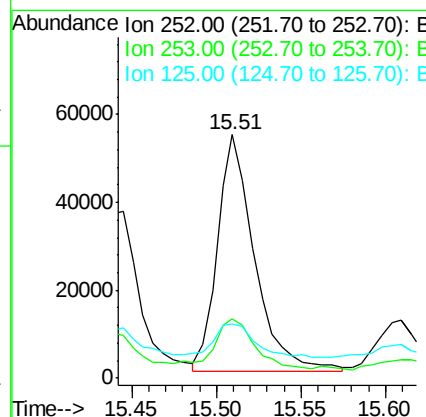
RT: 15.51 min Scan# 2282

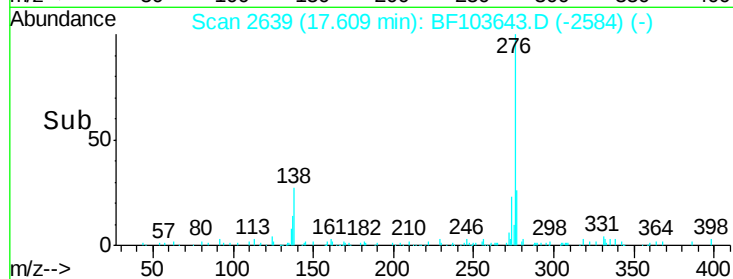
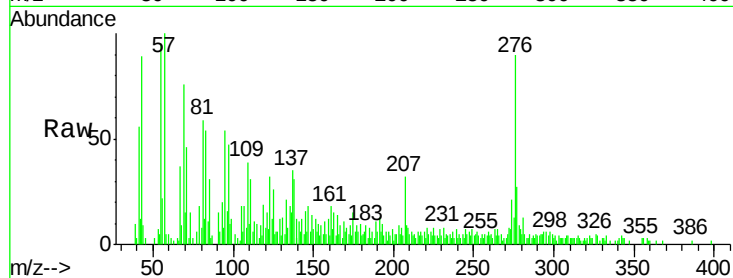
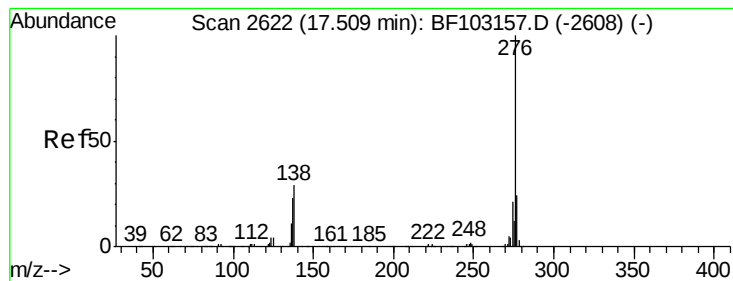
Delta R.T. 0.01 min

Lab File: BF103643.D

Acq: 14 Mar 2018 16:25

Tgt Ion:	252	Resp:	82771
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.1	25.7
125	22.1	9.8	14.6#





#91

Benzo(a,h,i)perylene

Concen: 5.224 ng

RT: 17.61 min Scan# 2639

Delta R.T. 0.02 min

Lab File: BF103643.D

Acq: 14 Mar 2018 16:25

Instrument :

BNA_F

ClientSampleId :

CL-01-031318-E

Tot Ion: 276 Resp: 39080

Ion Ratio Lower Upper

276 100

277 30.4 17.9 26.9#

138 34.8 21.8 32.8#

Manual Integrations
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