

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030718\
 Data File : BF103504.D
 Acq On : 7 Mar 2018 16:41
 Operator : SJ/JU
 Sample : J1741-02DL 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-09-10-17DL

Manual Integrations
 APPROVED

Sohil
 3/8/2018 4:42:59 PM

Quant Time: Mar 07 17:25:36 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 07 11:40:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	143829	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	624800m	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	260648	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	383658	20.00	ng	0.00
75) Chrysene-d12	14.06	240	229306	20.00	ng	0.00
86) Perylene-d12	15.56	264	207398	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	130032m	13.67	ng	0.02
7) Phenol-d6	6.52	99	180424m	15.50	ng	0.01
23) Nitrobenzene-d5	7.45	82	112789m	10.31	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	17365	7.87	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	149670	5.84	ng	0.00
78) Terphenyl-d14	12.98	244	84677	8.88	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.17	128	89648	2.931	ng	98
54) Dibenzofuran	10.12	168	43481	2.043	ng	98
57) Fluorene	10.46	166	48646	2.683	ng	95
70) Phenanthrene	11.43	178	568252	26.914	ng	98
71) Anthracene	11.48	178	115357	5.328	ng	98
74) Fluoranthene	12.62	202	511018	24.085	ng	99
77) Pyrene	12.85	202	498560	27.887	ng	99
80) Benzo(a)anthracene	14.04	228	192828	12.960	ng	98
82) Chrysene	14.08	228	179648	12.436	ng	100
85) Indeno(1,2,3-cd)pyrene	17.10	276	60065	5.252	ng	99
87) Benzo(b)fluoranthene	15.12	252	177966m	13.051	ng	
88) Benzo(k)fluoranthene	15.14	252	62473m	4.865	ng	
89) Benzo(a)pyrene	15.50	252	135816	11.153	ng	# 95
91) Benzo(a,h,i)perylene	17.57	276	59208	6.438	ng	95

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

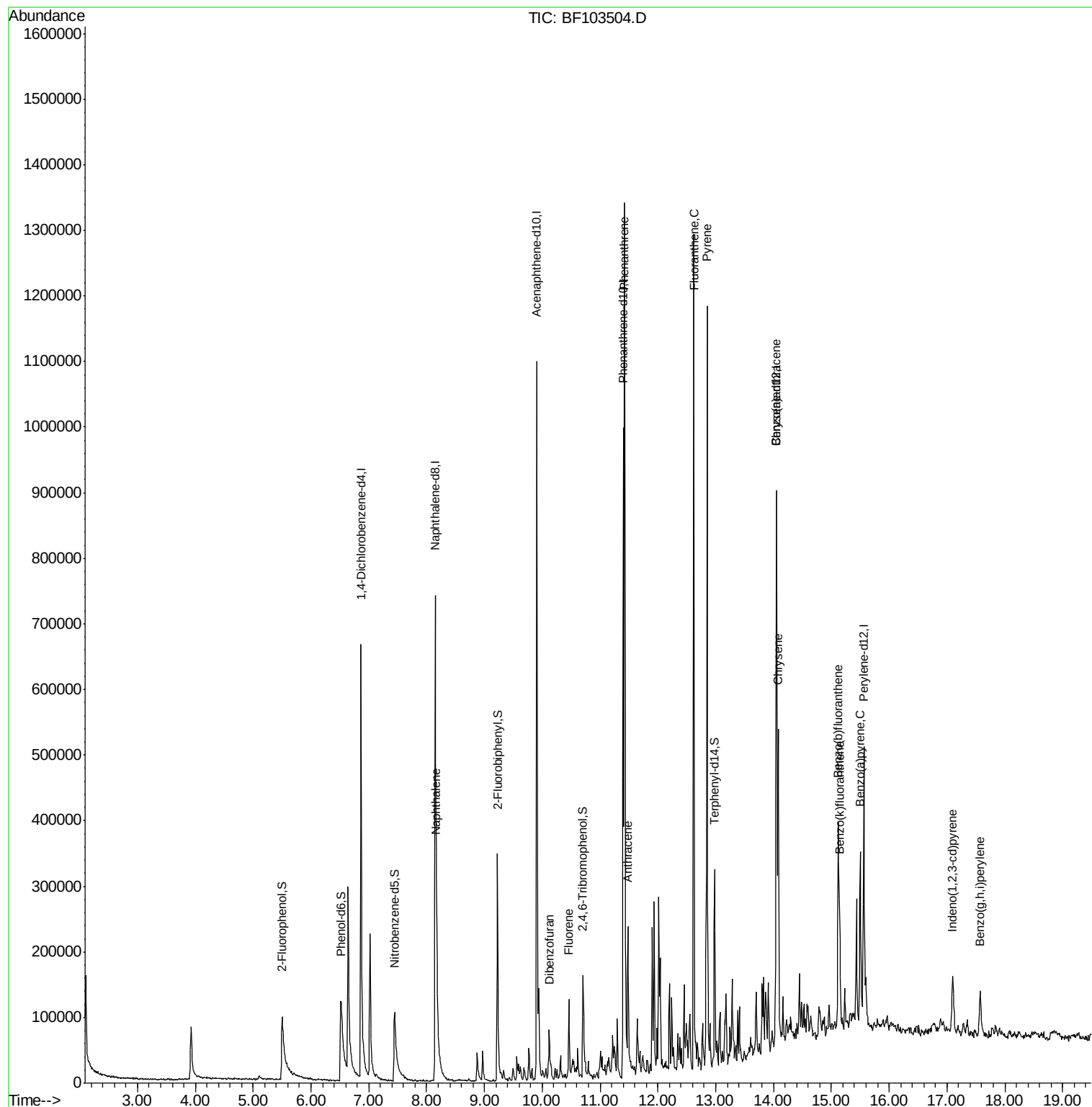
Data Path : Z:\HPCHEM1\BNA F\DATA\BF030718\
Data File : BF103504.D
Acq On : 7 Mar 2018 16:41
Operator : SJ/JU
Sample : J1741-02DL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

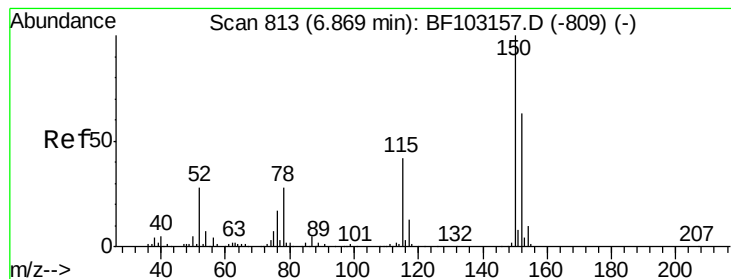
Instrument :
BNA_F
ClientSampleId :
SB-09-10-17DL

Manual Integrations
APPROVED

Sohil
3/8/2018 4:42:59 PM

Quant Time: Mar 07 17:25:36 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 07 11:40:36 2018
Response via : Initial Calibration





#1

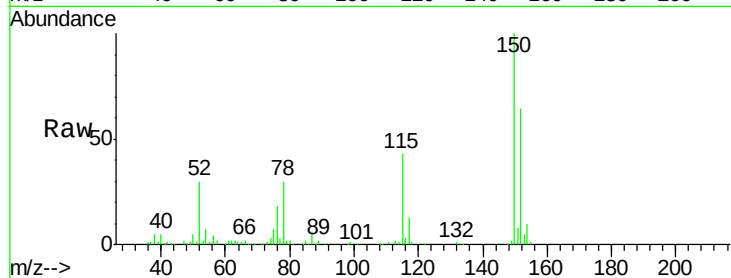
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. 0.00 min
Lab File: BF103504.D
Acq: 7 Mar 2018 16:41

Instrument :
BNA_F
ClientSampleId :
SB-09-10-17DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.6	186.8
115	67.5	50.1	75.1

Manual Integrations
APPROVED

Sohil
3/8/2018 4:42:59 PM

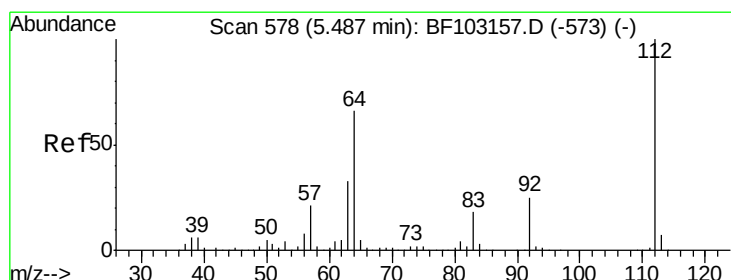
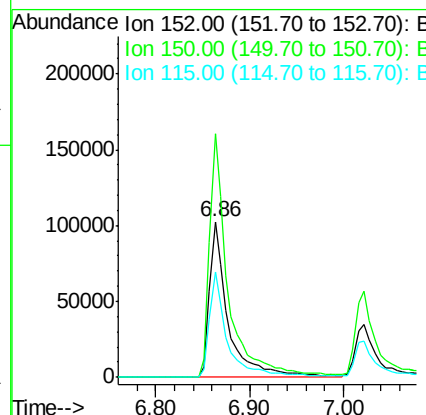
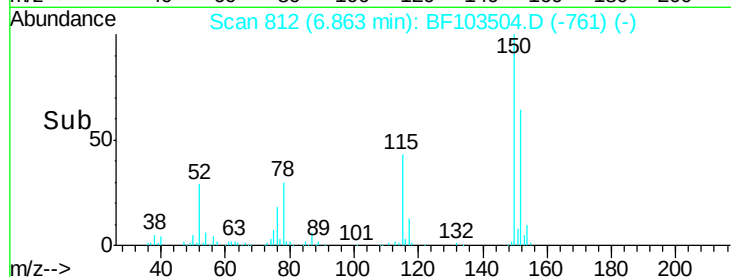


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

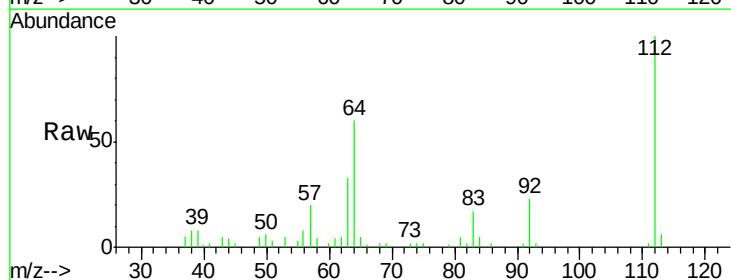
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 13.673 ng m
RT: 5.50 min Scan# 581
Delta R.T. 0.02 min
Lab File: BF103504.D
Acq: 7 Mar 2018 16:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.3	47.9	71.9
63	33.2	23.7	35.5

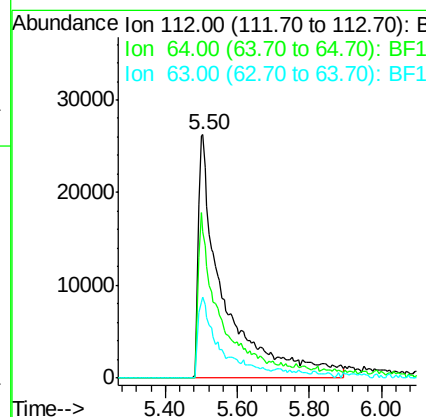
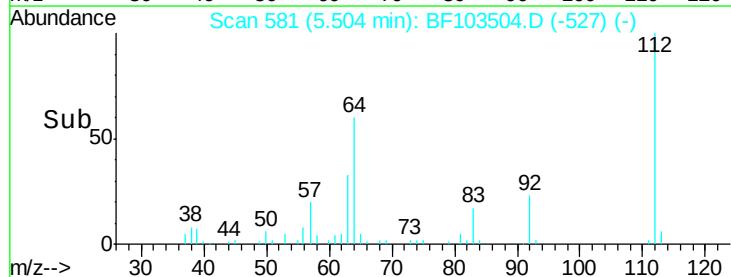


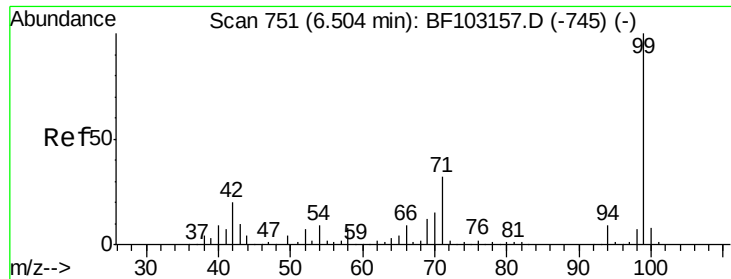
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

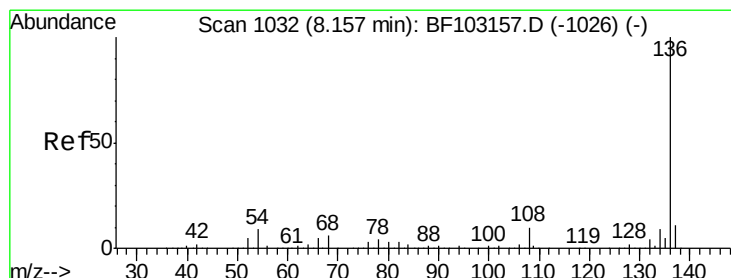
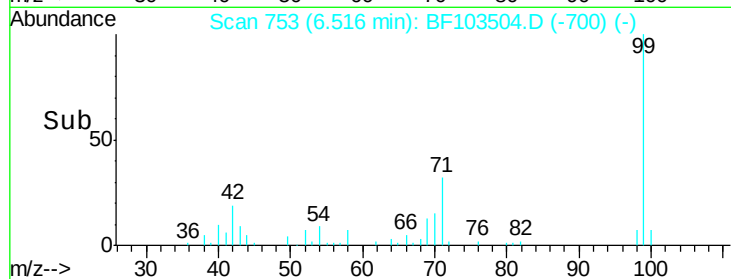
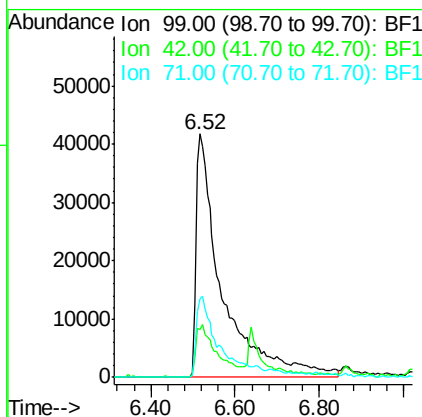
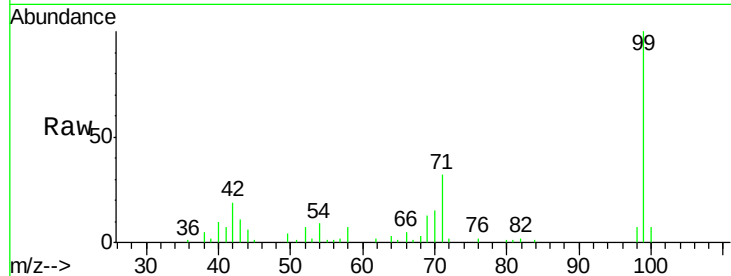
Concen: 15.505 ng m
RT: 6.52 min Scan# 753
Delta R.T. 0.01 min
Lab File: BF103504.D
Acq: 7 Mar 2018 16:41

Instrument :
BNA_F
ClientSampleId :
SB-09-10-17DL

Tot Ion	Ion	Ratio	Lower	Upper
99	100			
42	19.4	14.5	21.7	
71	32.1	25.4	38.0	

Manual Integrations
APPROVED

Sohil
3/8/2018 4:42:59 PM

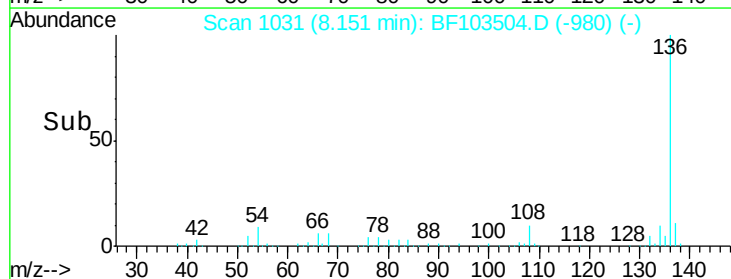
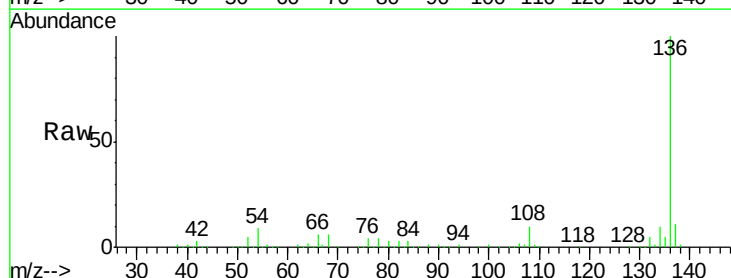
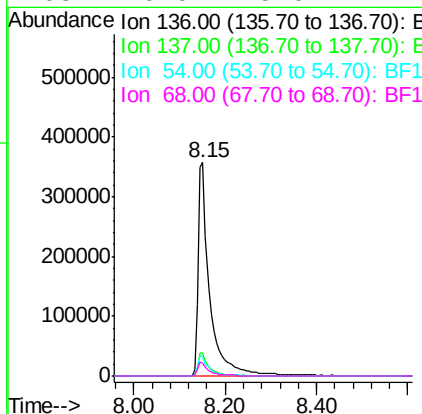


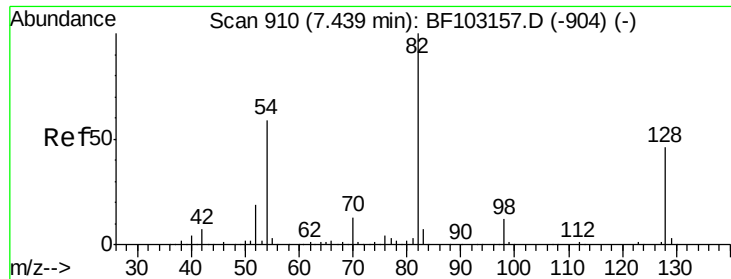
#21

Naphthalene-d8

Concen: 20.000 ng m
RT: 8.15 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BF103504.D
Acq: 7 Mar 2018 16:41

Tgt Ion	Ion	Ratio	Lower	Upper
136	100			
137	10.8	8.9	13.3	
54	8.8	6.6	9.8	
68	6.0	5.0	7.4	





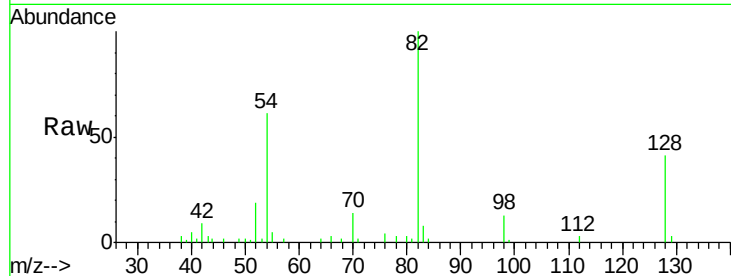
#23
Nitrobenzene-d5
Concen: 10.309 ng/ml
RT: 7.45 min Scan# 911
Delta R.T. 0.01 min
Lab File: BF103504.D
Acq: 7 Mar 2018 16:41

Instrument :
BNA_F
ClientSampleId :
SB-09-10-17DL

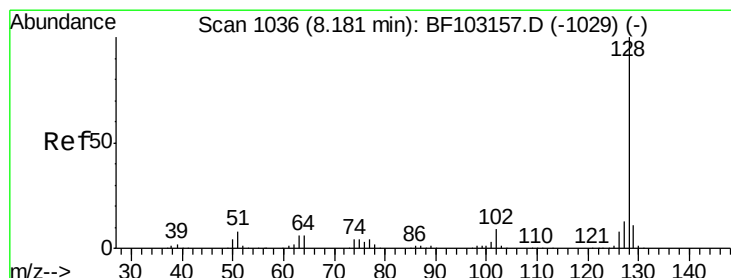
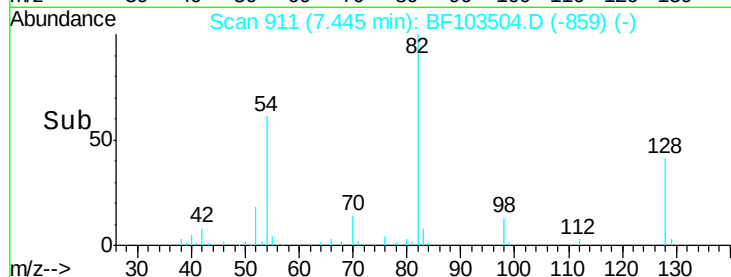
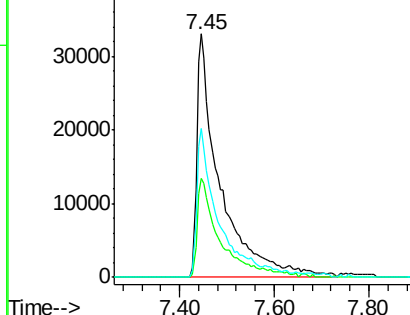
Tot Ion	82	Resp	112789
Ion Ratio	Lower	Upper	
82	100		
128	40.5	36.1	54.1
54	61.2	41.4	62.2

Manual Integrations
APPROVED

Sohil
3/8/2018 4:42:59 PM



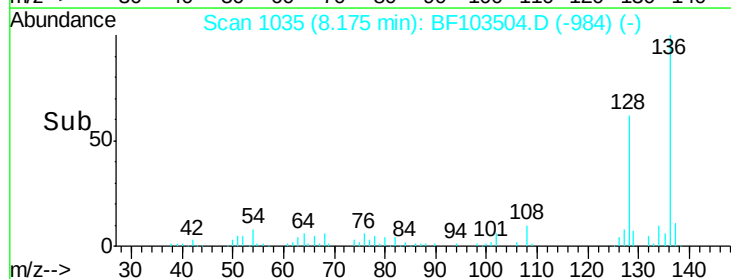
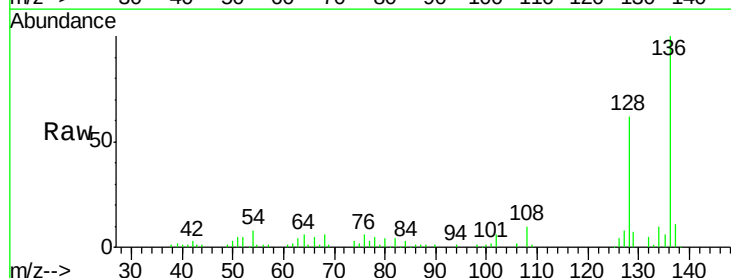
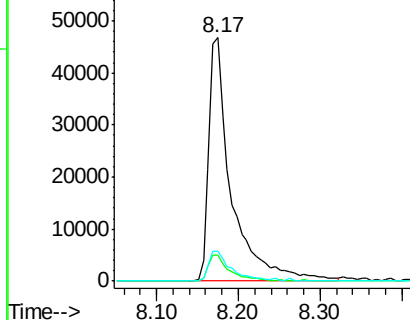
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

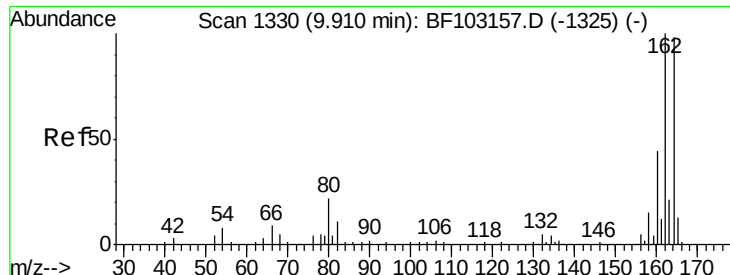


#31
Naphthalene
Concen: 2.931 ng
RT: 8.17 min Scan# 1035
Delta R.T. 0.00 min
Lab File: BF103504.D
Acq: 7 Mar 2018 16:41

Tgt Ion	128	Resp	89648
Ion Ratio	Lower	Upper	
128	100		
129	10.5	8.8	13.2
127	12.3	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





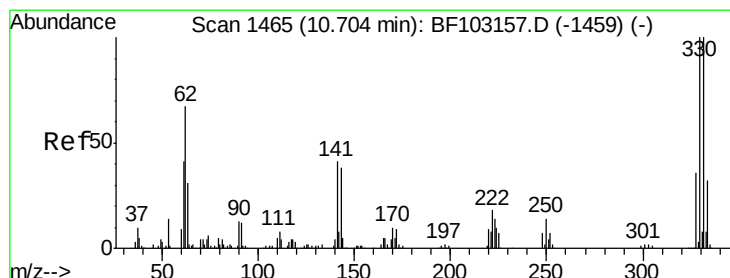
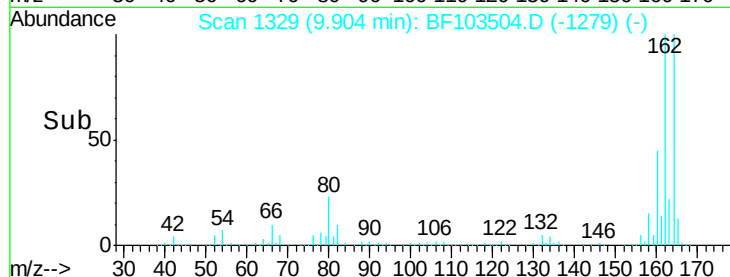
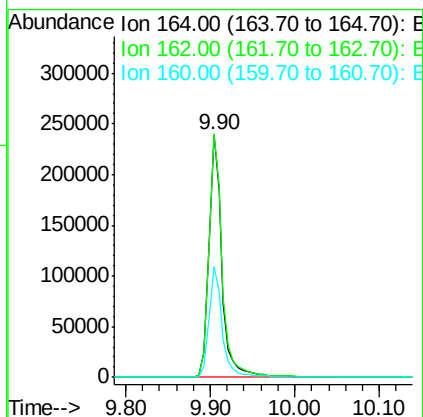
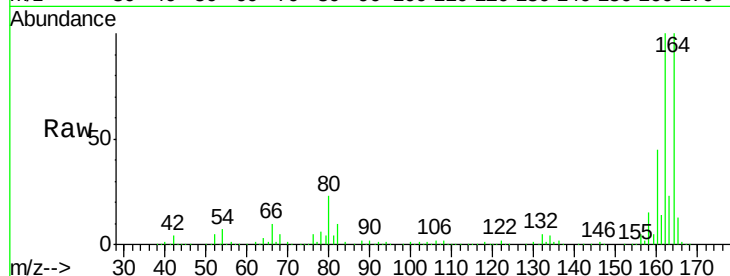
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BF103504.D
Acq: 7 Mar 2018 16:41

Instrument :
BNA_F
ClientSampleId :
SB-09-10-17DL

Tot Ion	Ratio	Resp	Lower	Upper
164	100	260648		
162	100.4	86.1	129.1	
160	45.6	38.3	57.5	

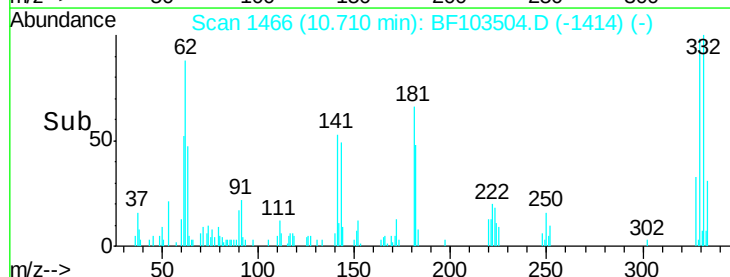
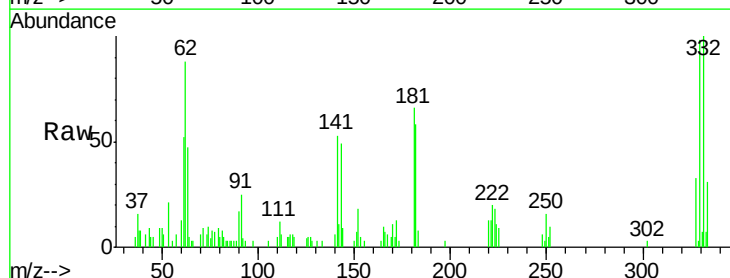
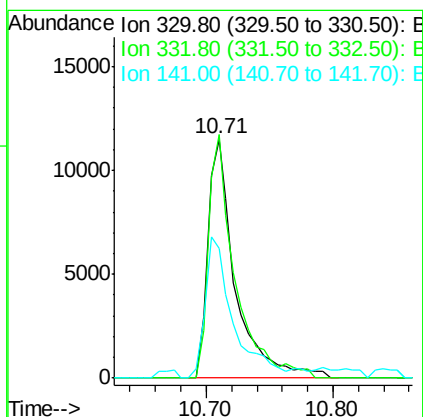
Manual Integrations
APPROVED

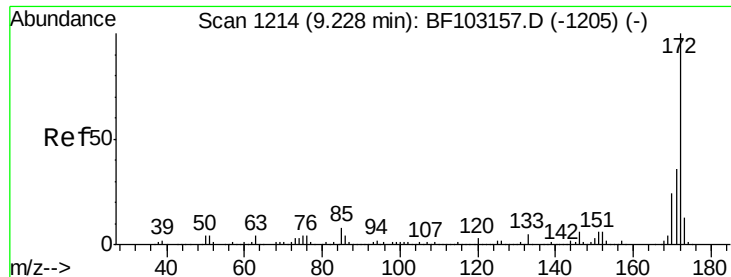
Sohil
3/8/2018 4:42:59 PM



#41
2,4,6-Tribromophenol
Concen: 7.871 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.01 min
Lab File: BF103504.D
Acq: 7 Mar 2018 16:41

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	17365		
332	98.8	77.0	115.6	
141	62.8	29.9	44.9#	





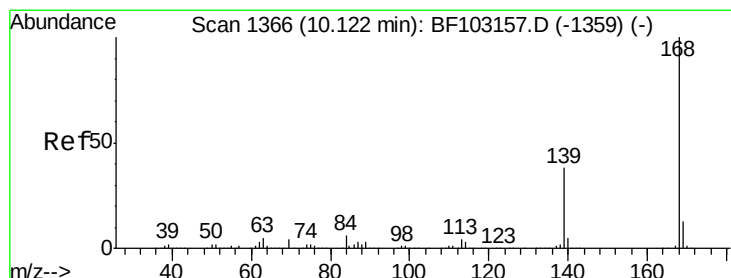
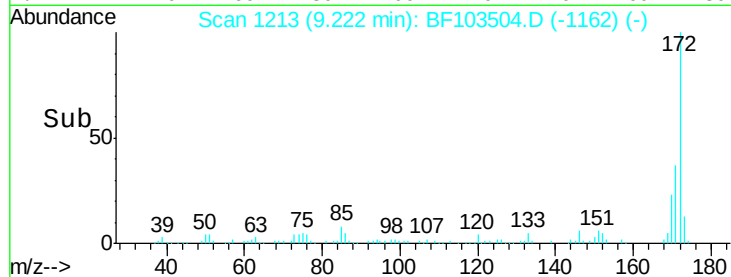
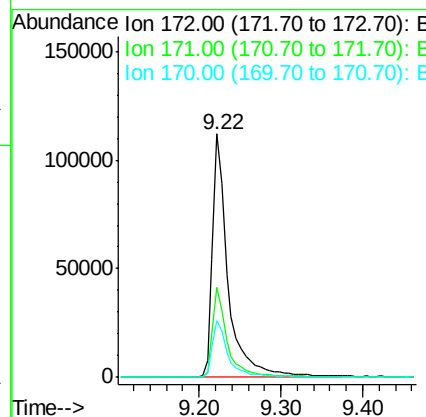
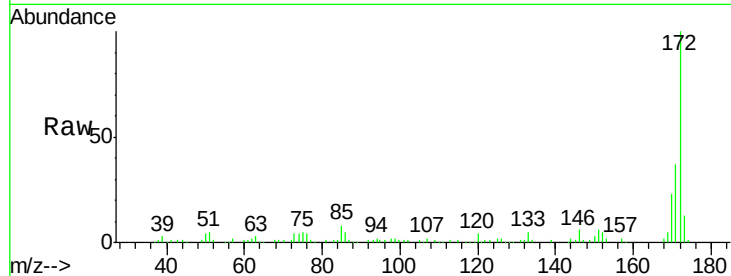
#44
2-Fluorobiphenyl
Concen: 5.839 ng
RT: 9.22 min Scan# 1213
Delta R.T. 0.00 min
Lab File: BF103504.D
Acq: 7 Mar 2018 16:41

Instrument :
BNA_F
ClientSampleId :
SB-09-10-17DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.7	44.5
170	23.3	19.6	29.4

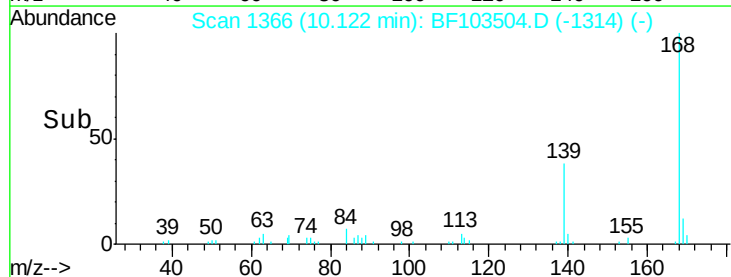
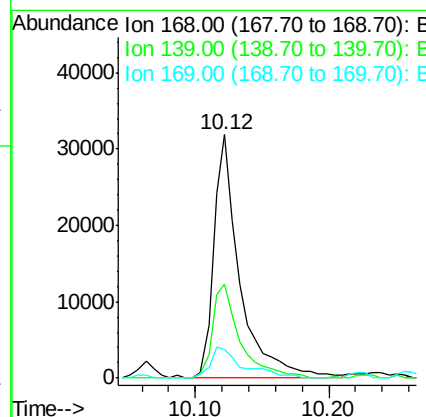
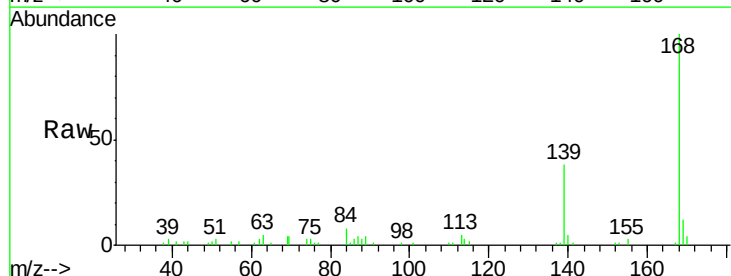
Manual Integrations
APPROVED

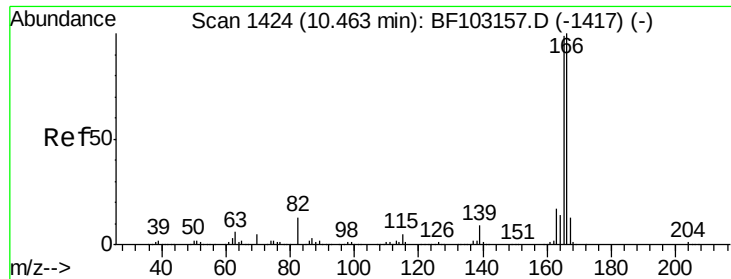
Sohil
3/8/2018 4:42:59 PM



#54
Dibenzofuran
Concen: 2.043 ng
RT: 10.12 min Scan# 1366
Delta R.T. 0.01 min
Lab File: BF103504.D
Acq: 7 Mar 2018 16:41

Tgt Ion	Ratio	Lower	Upper
168	100		
139	38.4	30.1	45.1
169	12.0	10.9	16.3





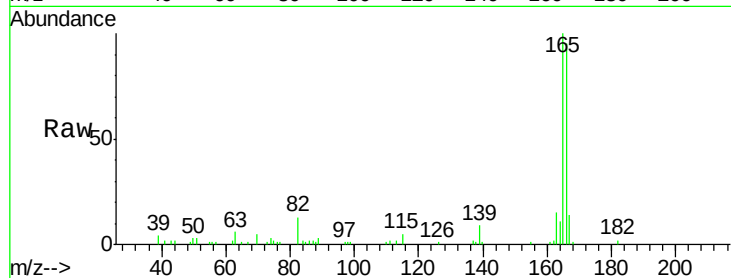
#57
Fluorene
 Concen: 2.683 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. 0.00 min
 Lab File: BF103504.D
 Acq: 7 Mar 2018 16:41

Instrument :
 BNA_F
 ClientSampled :
 SB-09-10-17DL

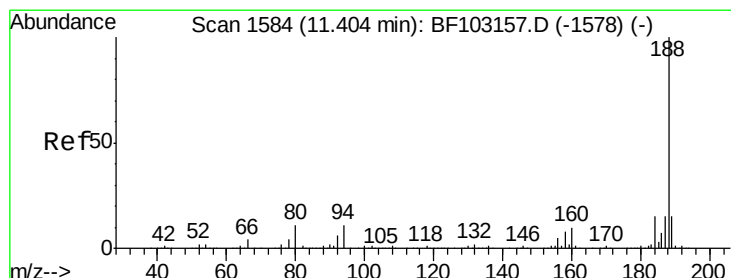
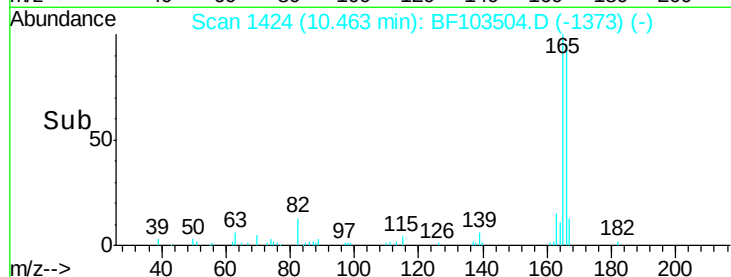
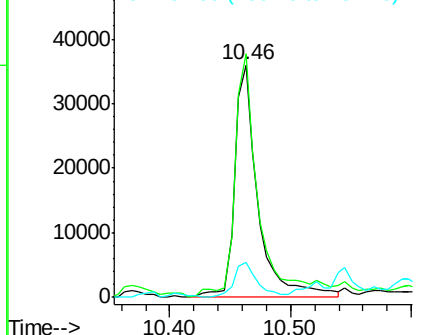
Tot Ion	Ratio	Lower	Upper
166	100		
165	104.9	79.8	119.8
167	15.2	10.6	16.0

Manual Integrations
 APPROVED

Sohil
 3/8/2018 4:42:59 PM

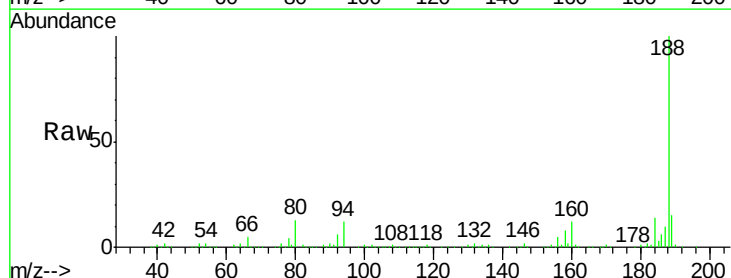


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

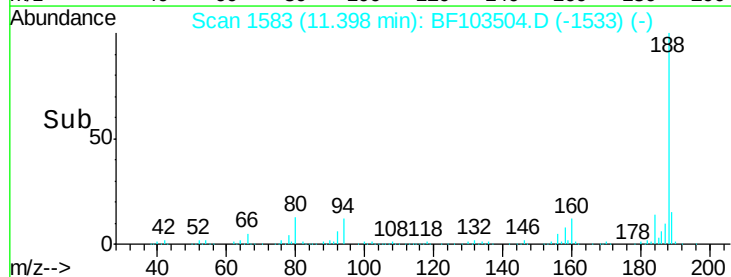
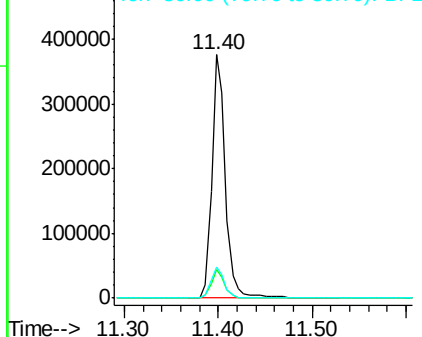


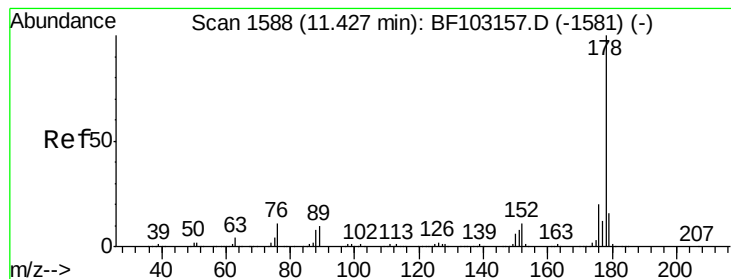
#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF103504.D
 Acq: 7 Mar 2018 16:41

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.9	8.5	12.7
80	12.6	9.2	13.8



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1





#70

Phenanthrene

Concen: 26.914 ng

RT: 11.43 min Scan# 1588

Delta R.T. 0.00 min

Lab File: BF103504.D

Acq: 7 Mar 2018 16:41

Instrument :

BNA_F

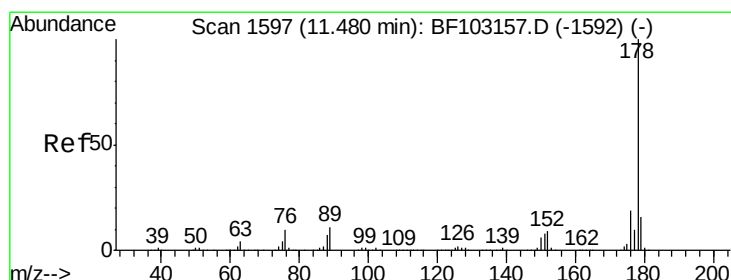
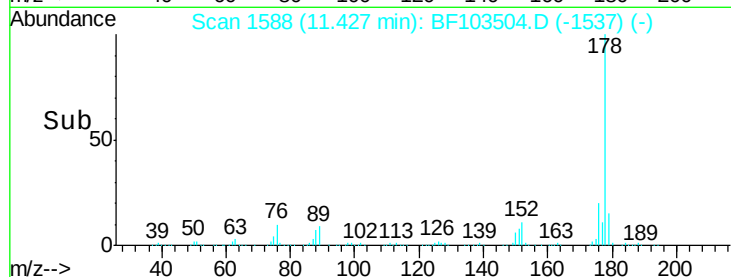
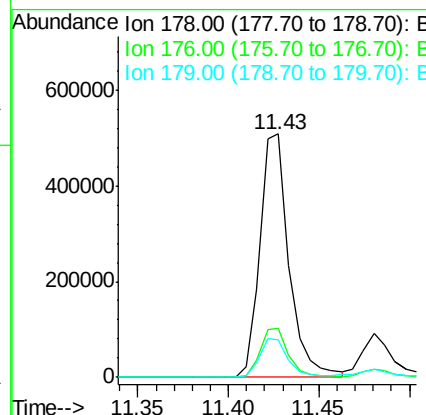
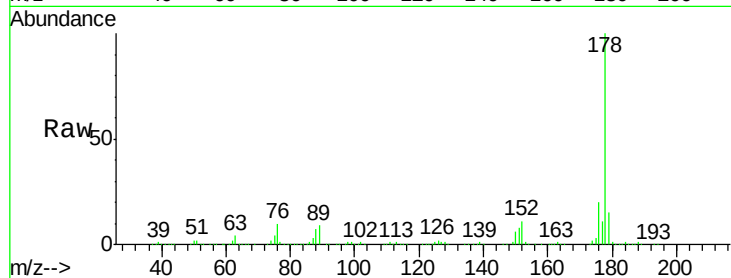
ClientSampleId :

SB-09-10-17DL

Tot Ion:178	Resp:	568252
Ion Ratio	Lower	Upper
178	100	
176	20.2	15.8 23.8
179	15.4	13.0 19.6

Manual Integrations
APPROVED

Sohil
3/8/2018 4:42:59 PM



#71

Anthracene

Concen: 5.328 ng

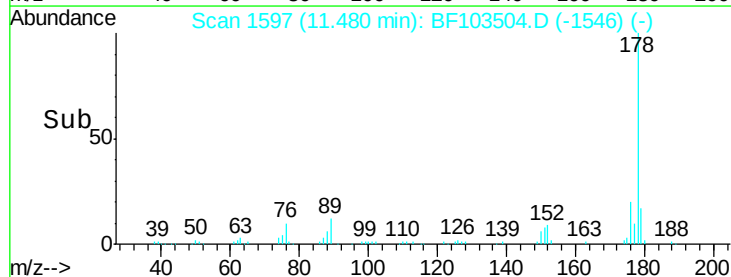
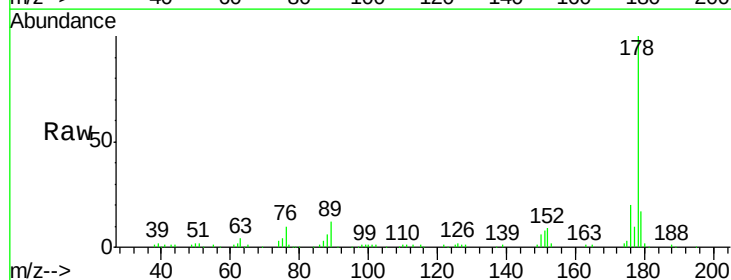
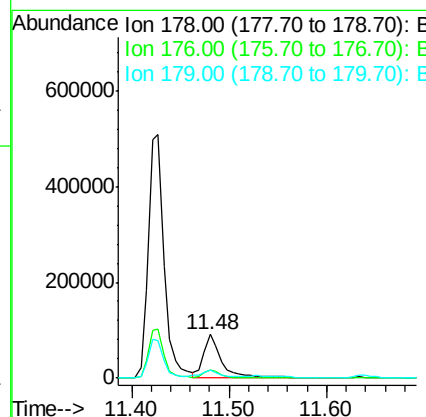
RT: 11.48 min Scan# 1597

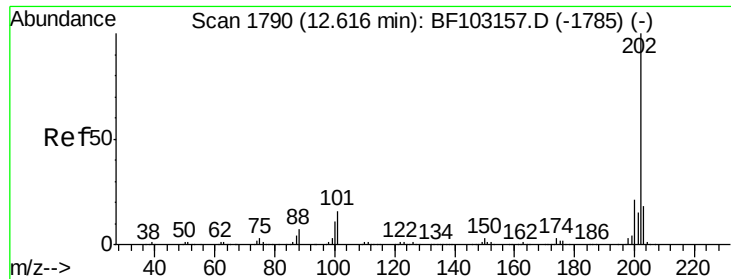
Delta R.T. 0.00 min

Lab File: BF103504.D

Acq: 7 Mar 2018 16:41

Tgt Ion:178	Resp:	115357
Ion Ratio	Lower	Upper
178	100	
176	19.8	15.4 23.2
179	17.4	12.6 19.0





#74

Fluoranthene

Concen: 24.085 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BF103504.D

Acq: 7 Mar 2018 16:41

Instrument :

BNA_F

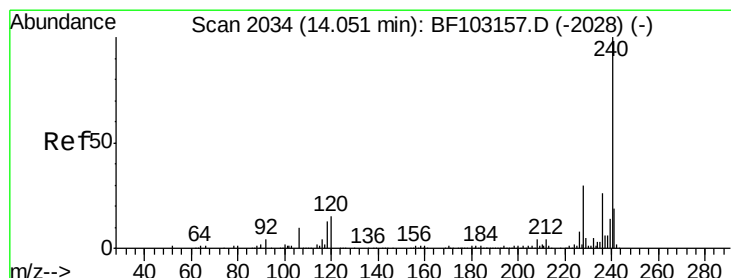
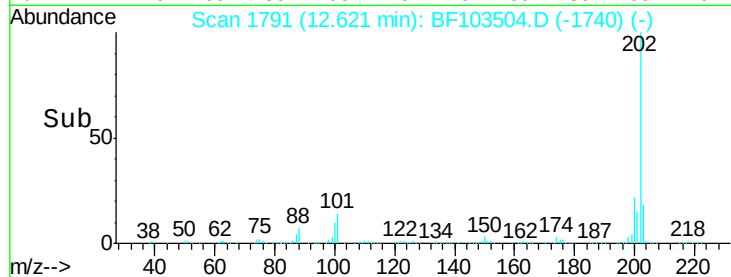
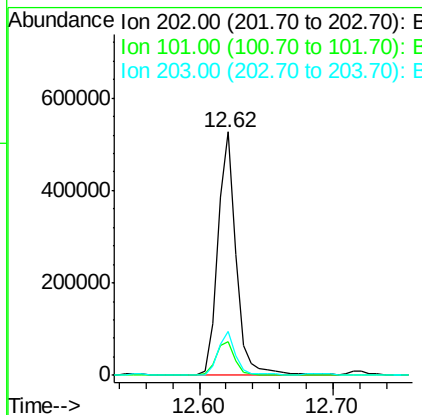
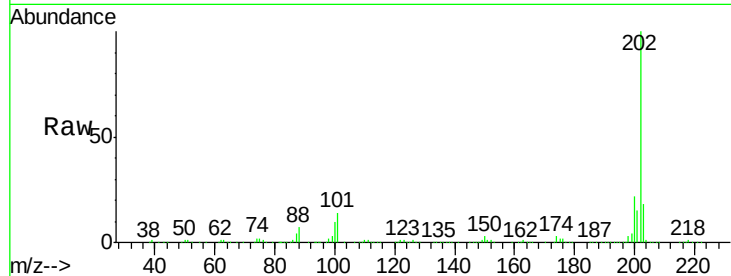
ClientSampleId :

SB-09-10-17DL

Tot Ion:	202	Resp:	511018
Ion Ratio	Lower	Upper	
202	100		
101	13.7	0.0	34.1
203	18.2	0.0	38.1

Manual Integrations
APPROVED

Sohil
3/8/2018 4:42:59 PM



#75

Chrysene-d12

Concen: 20.000 ng

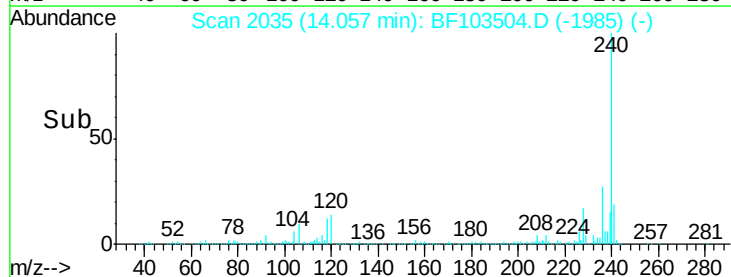
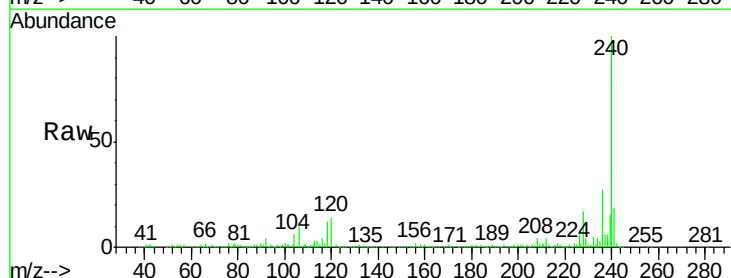
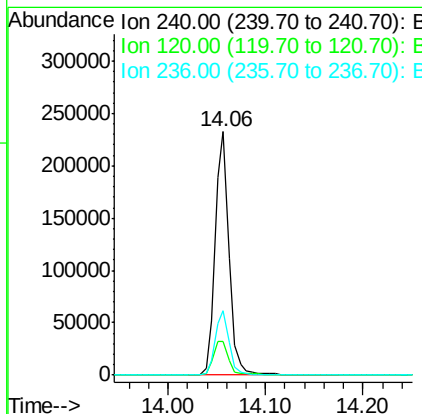
RT: 14.06 min Scan# 2035

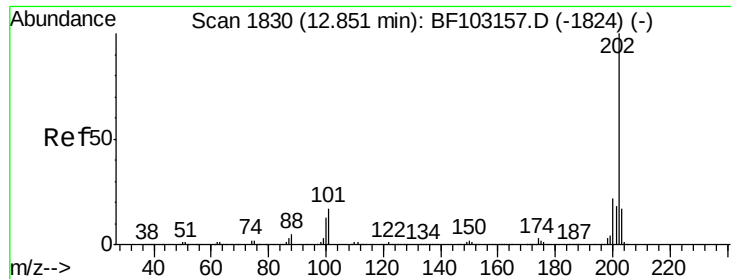
Delta R.T. -0.01 min

Lab File: BF103504.D

Acq: 7 Mar 2018 16:41

Tgt Ion:	240	Resp:	229306
Ion Ratio	Lower	Upper	
240	100		
120	14.0	9.5	14.3
236	26.6	20.7	31.1





#77

Pvrene

Concen: 27.887 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF103504.D

Acq: 7 Mar 2018 16:41

Instrument :

BNA_F

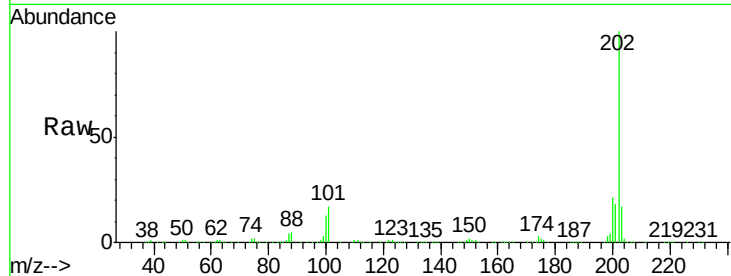
ClientSampleId :

SB-09-10-17DL

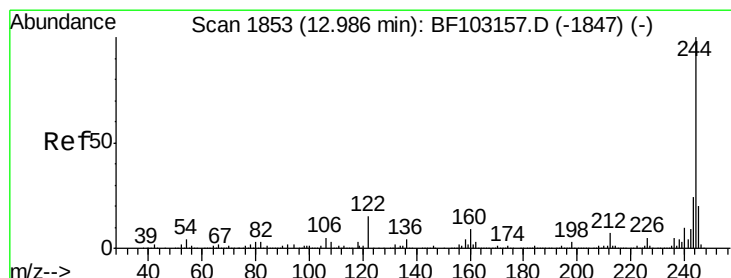
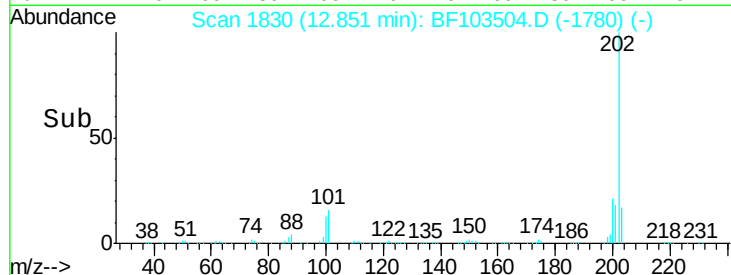
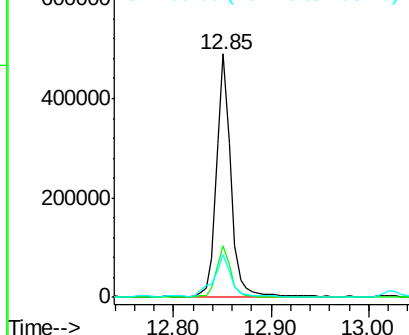
Tot Ion:	202	Resp:	498560
Ion Ratio		Lower	Upper
202	100		
200	21.3	17.4	26.2
203	17.3	14.3	21.5

Manual Integrations
APPROVED

Sohil
3/8/2018 4:42:59 PM



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: 8.877 ng

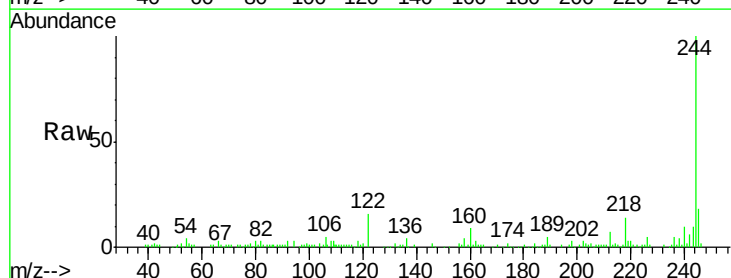
RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

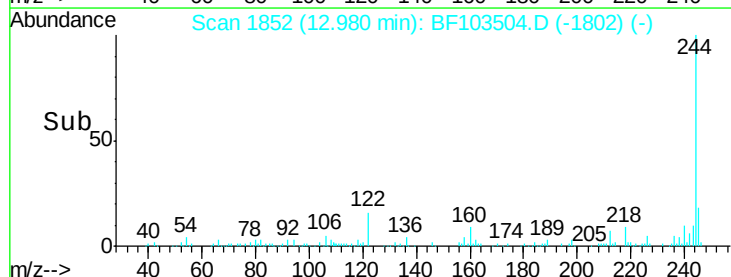
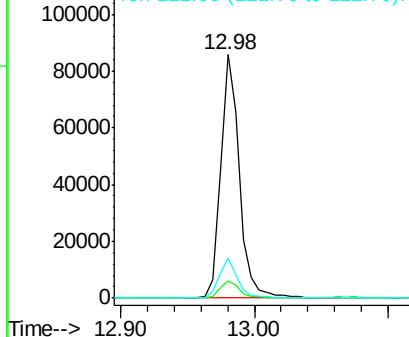
Lab File: BF103504.D

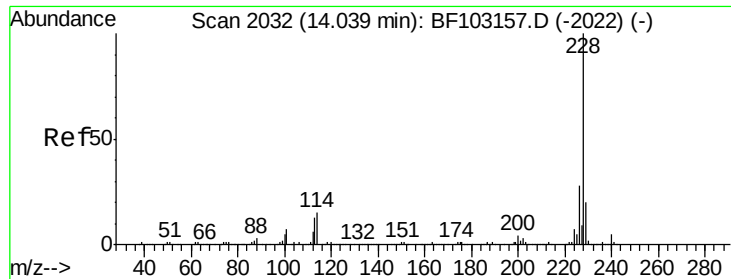
Acq: 7 Mar 2018 16:41

Tgt Ion:	244	Resp:	84677
Ion Ratio		Lower	Upper
244	100		
212	7.3	5.4	8.0
122	16.4	11.0	16.4



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





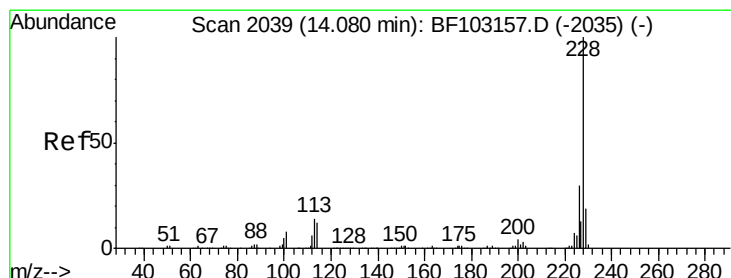
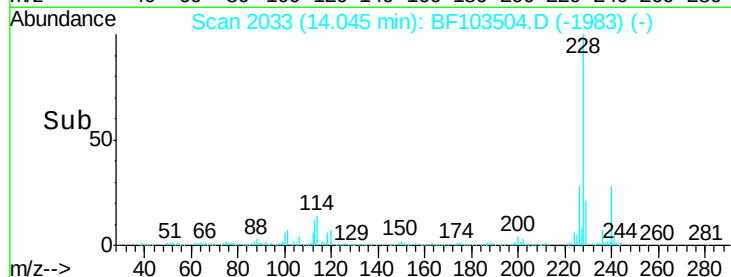
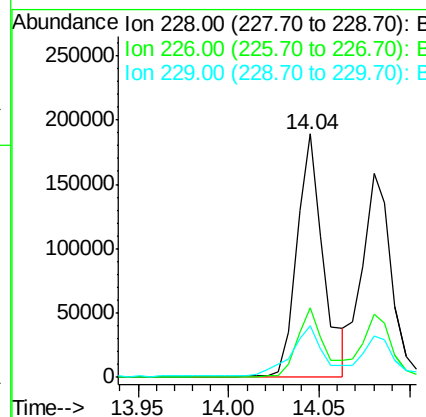
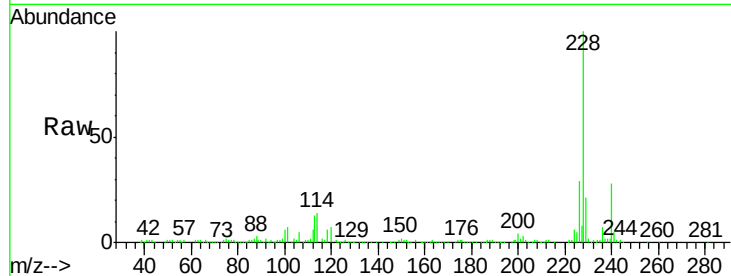
#80
Benzo(a)anthracene
Concen: 12.960 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF103504.D
Acq: 7 Mar 2018 16:41

Instrument :
BNA_F
ClientSampled :
SB-09-10-17DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	21.3	15.8	23.6

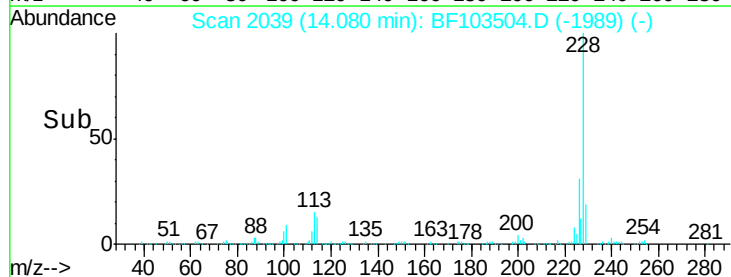
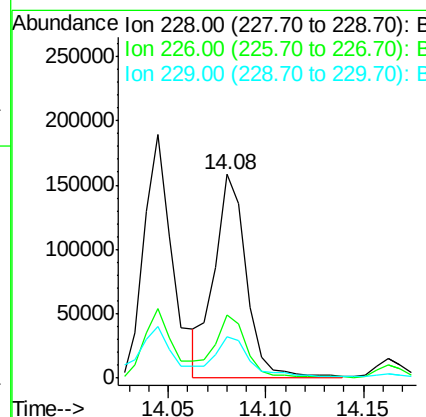
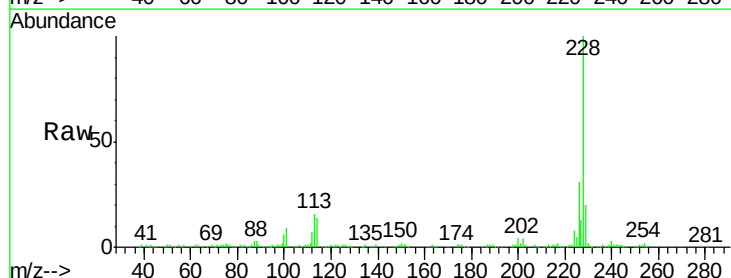
Manual Integrations
APPROVED

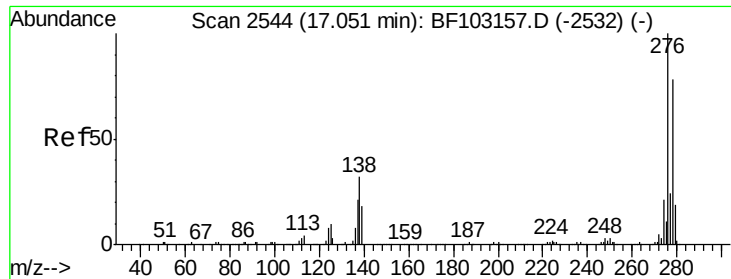
Sohil
3/8/2018 4:42:59 PM



#82
Chrysene
Concen: 12.436 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF103504.D
Acq: 7 Mar 2018 16:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	20.4	16.2	24.4





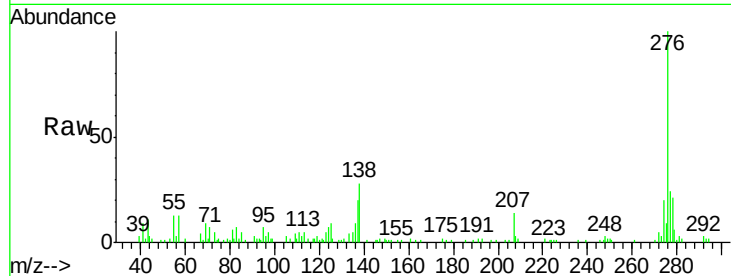
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.252 ng
 RT: 17.10 min Scan# 2553
 Delta R.T. -0.01 min
 Lab File: BF103504.D
 Acq: 7 Mar 2018 16:41

Instrument :
 BNA_F
 ClientSampleId :
 SB-09-10-17DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.8	25.0	37.6
277	24.5	20.1	30.1

Manual Integrations
 APPROVED

Sohil
 3/8/2018 4:42:59 PM

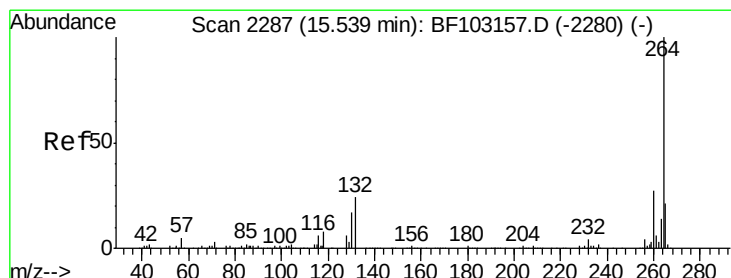
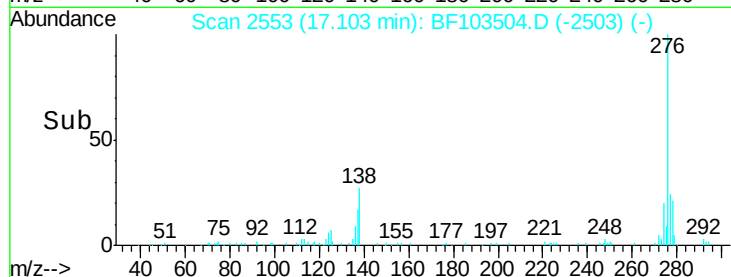
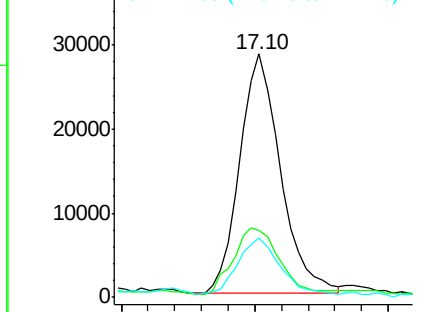


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.56 min Scan# 2291
 Delta R.T. 0.00 min
 Lab File: BF103504.D
 Acq: 7 Mar 2018 16:41

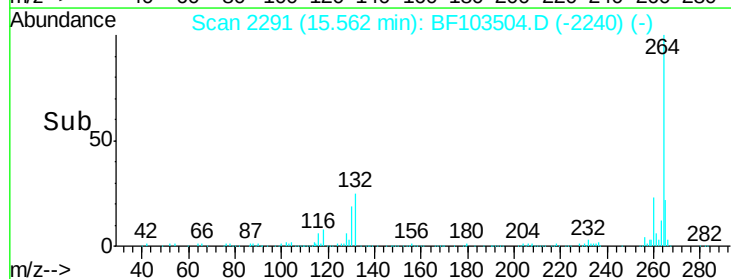
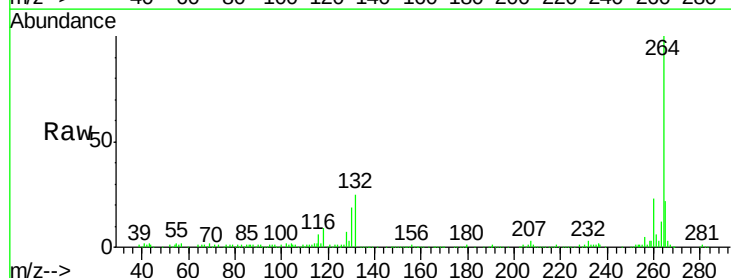
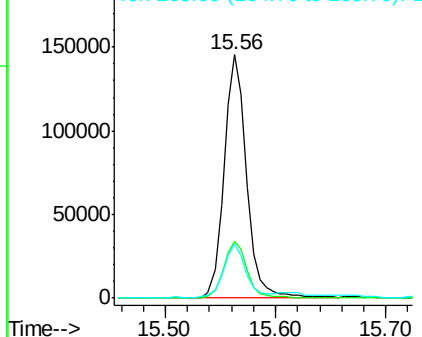
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	22.2	17.5	26.3

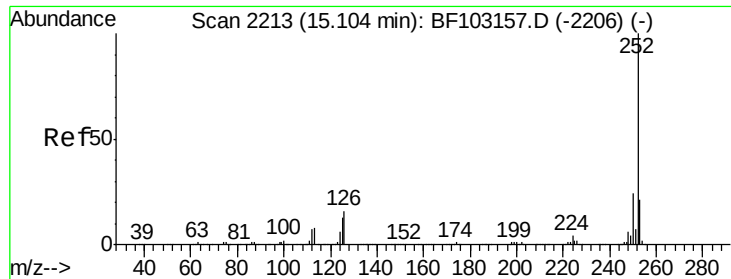
Abundance

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





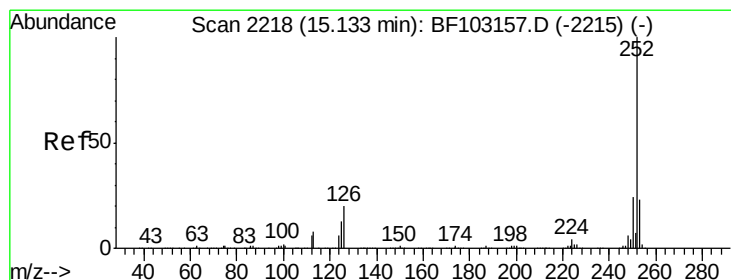
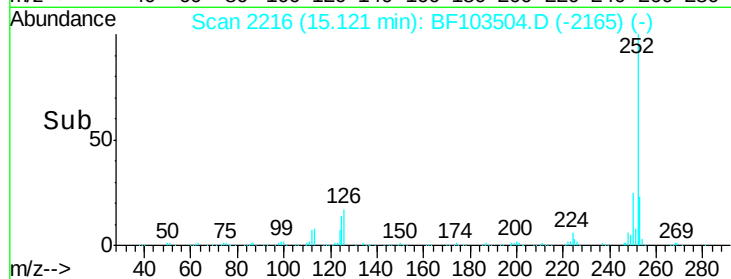
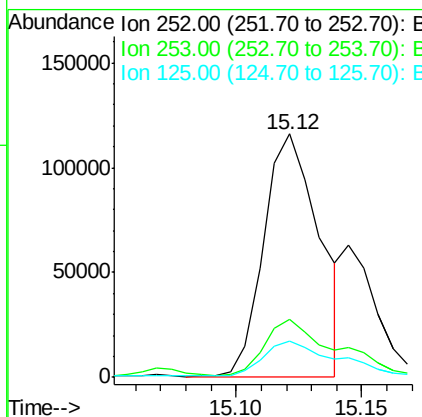
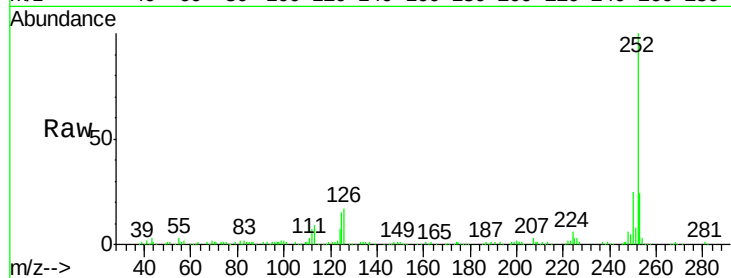
#87
Benzo(b)fluoranthene
Concen: 13.051 ng m
RT: 15.12 min Scan# 2216
Delta R.T. 0.00 min
Lab File: BF103504.D
Acq: 7 Mar 2018 16:41

Instrument :
BNA_F
ClientSampleId :
SB-09-10-17DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.6
125	14.9	9.0	13.6

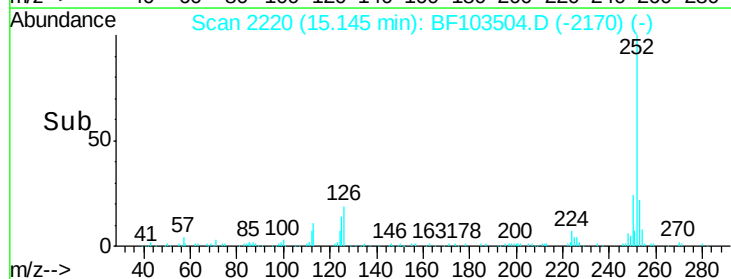
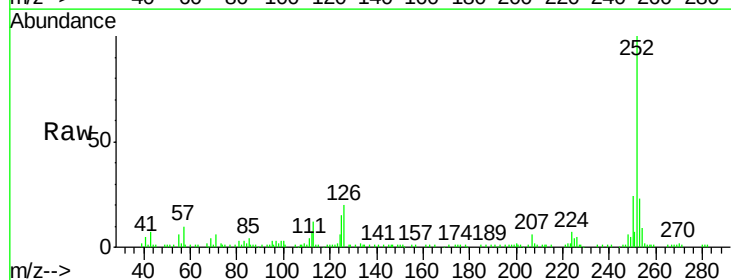
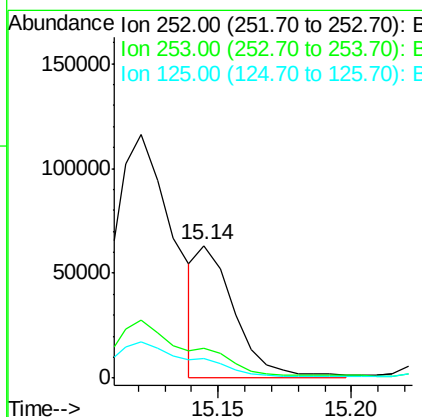
Manual Integrations
APPROVED

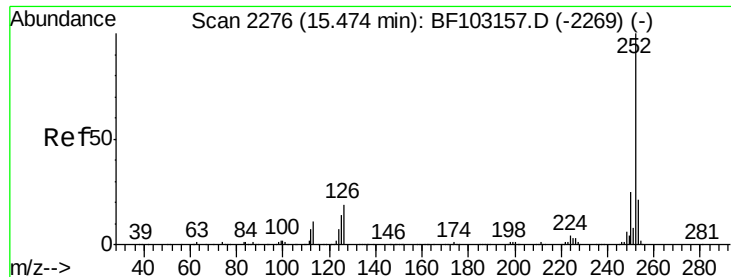
Sohil
3/8/2018 4:42:59 PM



#88
Benzo(k)fluoranthene
Concen: 4.865 ng m
RT: 15.14 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BF103504.D
Acq: 7 Mar 2018 16:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	14.9	10.2	15.2





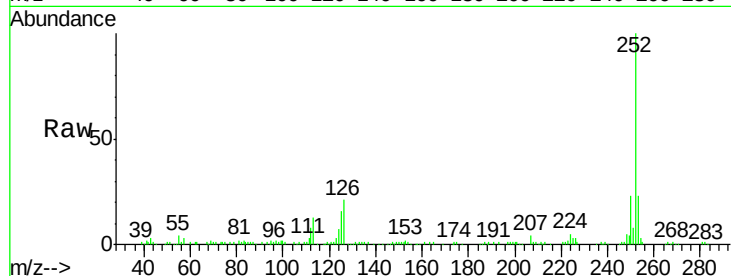
#89
Benzo(a)pyrene
Concen: 11.153 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF103504.D
Acq: 7 Mar 2018 16:41

Instrument :
BNA_F
ClientSampleId :
SB-09-10-17DL

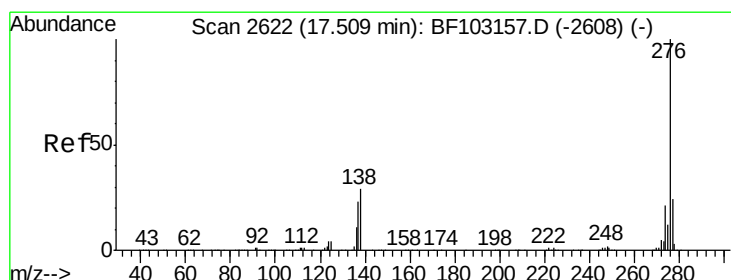
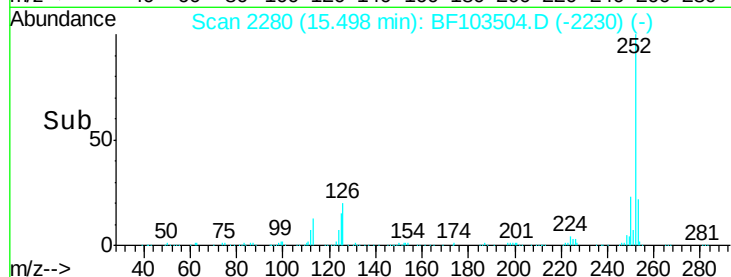
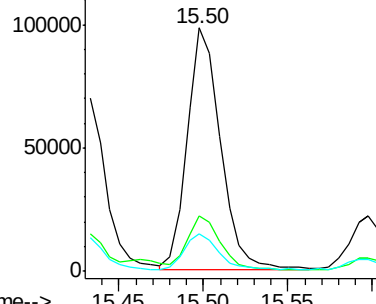
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	15.7	9.8	14.6

Manual Integrations
APPROVED

Sohil
3/8/2018 4:42:59 PM



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



#91
Benzo(g,h,i)perylene
Concen: 6.438 ng
RT: 17.57 min Scan# 2633
Delta R.T. 0.00 min
Lab File: BF103504.D
Acq: 7 Mar 2018 16:41

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	17.9	26.9
138	30.5	21.8	32.8

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

