

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041318\
 Data File : BF104502.D
 Acq On : 14 Apr 2018 3:56
 Operator : JU/SJ
 Sample : J2335-01DL 25X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S1DL

Manual Integrations
 APPROVED

Sohil
 4/16/2018 3:10:41 PM

Quant Time: Apr 14 05:34:04 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 13 17:38:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	123706	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	490313	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	198785	20.00	ng	-0.01
63) Phenanthrene-d10	11.34	188	295021	20.00	ng	0.00
75) Chrysene-d12	13.99	240	225604	20.00	ng	0.00
86) Perylene-d12	15.45	264	167876	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	32359	4.00	ng	0.00
7) Phenol-d6	6.44	99	41008	4.13	ng	0.00
23) Nitrobenzene-d5	7.37	82	22852	3.04	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	6188	3.00	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	41747	3.32	ng	-0.01
78) Terphenyl-d14	12.92	244	29664	3.00	ng	-0.01
Target Compounds						Qvalue
51) Acenaphthene	9.88	154	33752	2.673	ng	98
57) Fluorene	10.39	166	49061	3.830	ng	99
70) Phenanthrene	11.36	178	613500	37.341	ng	99
71) Anthracene	11.41	178	132104	7.910	ng	97
72) Carbazole	11.57	167	114480	7.015	ng	98
74) Fluoranthene	12.56	202	810162	47.197	ng	97
77) Pyrene	12.79	202	684702	40.945	ng	100
80) Benzo(a)anthracene	13.97	228	355549	26.380	ng	99
82) Chrysene	14.01	228	336164	24.283	ng	97
85) Indeno(1,2,3-cd)pyrene	16.90	276	112601	9.575	ng	# 91
87) Benzo(b)fluoranthene	15.03	252	343364m	32.384	ng	
88) Benzo(k)fluoranthene	15.05	252	105798m	10.569	ng	
89) Benzo(a)pyrene	15.39	252	225071	23.725	ng	98
90) Dibenzo(a,h)anthracene	16.91	278	29302m	3.761	ng	
91) Benzo(a,h,i)perylene	17.34	276	106256	14.076	ng	96

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

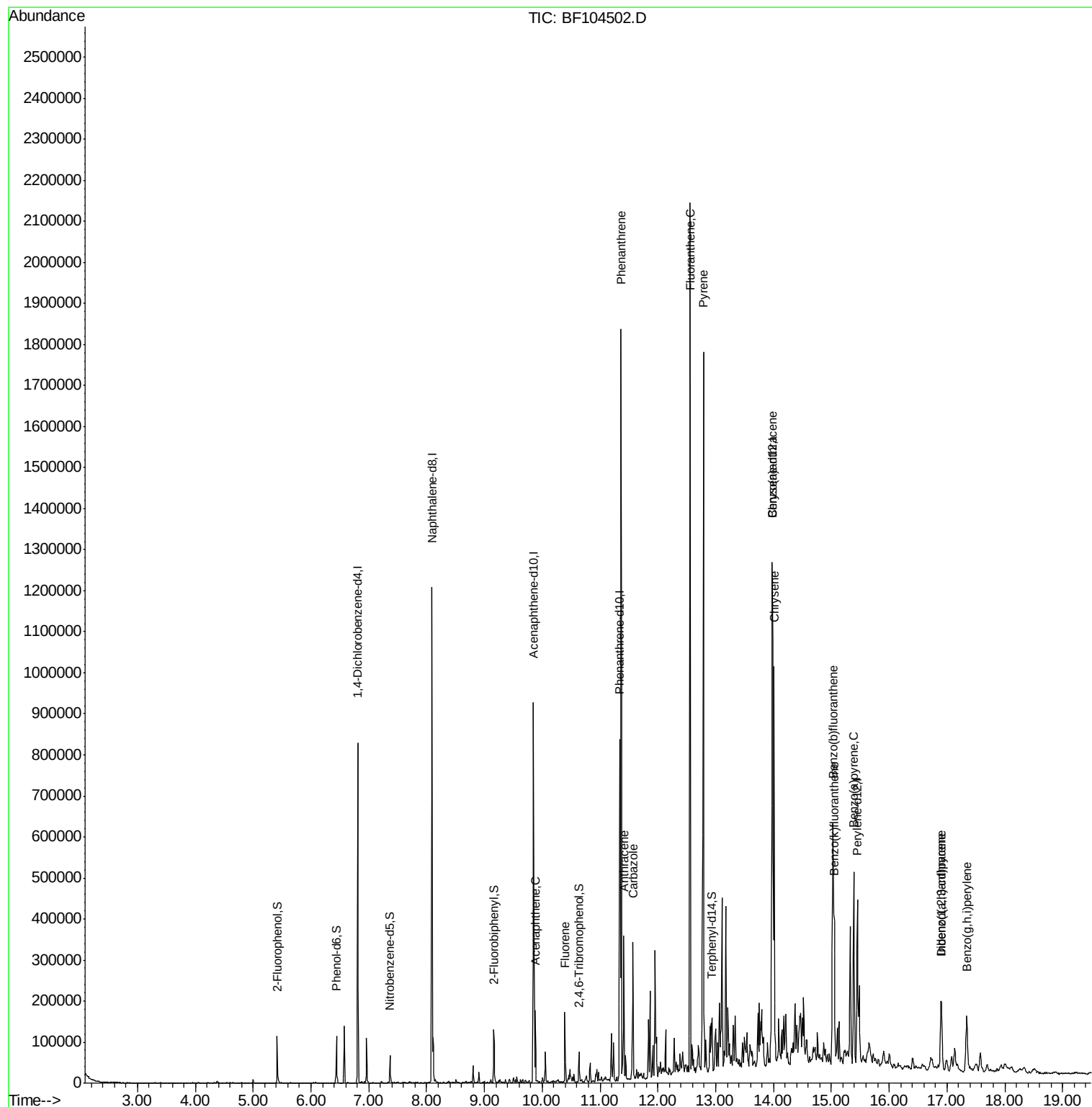
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041318\
Data File : BF104502.D
Acq On : 14 Apr 2018 3:56
Operator : JU/SJ
Sample : J2335-01DL 25X
Misc :
ALS Vial : 29 Sample Multiplier: 1

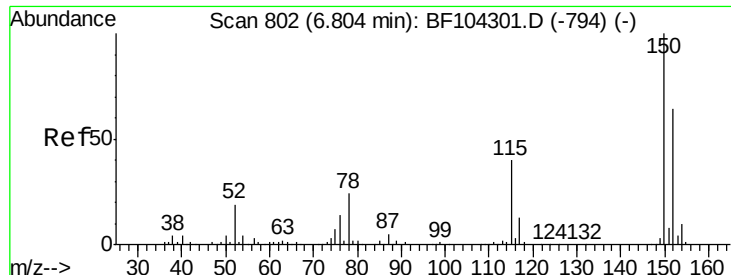
Instrument :
BNA_F
ClientSampleId :
S1DL

Manual Integrations
APPROVED

Sohil
4/16/2018 3:10:41 PM

Quant Time: Apr 14 05:34:04 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 13 17:38:31 2018
Response via : Initial Calibration





#1

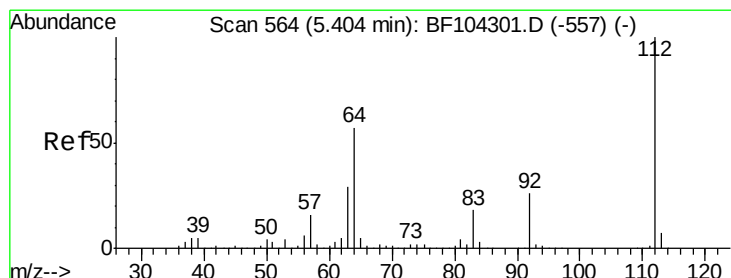
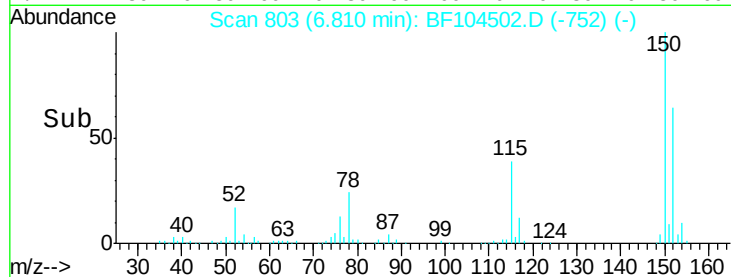
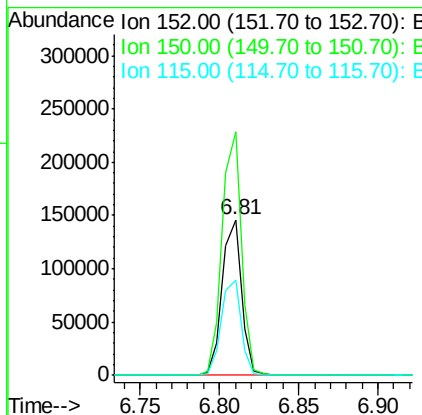
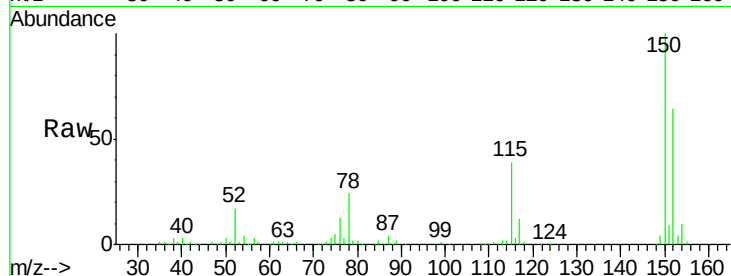
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF104502.D
Acq: 14 Apr 2018 3:56

Instrument :
BNA_F
ClientSampled :
S1DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	124.6	186.8
115	60.8	50.1	75.1

Manual Integrations
APPROVED

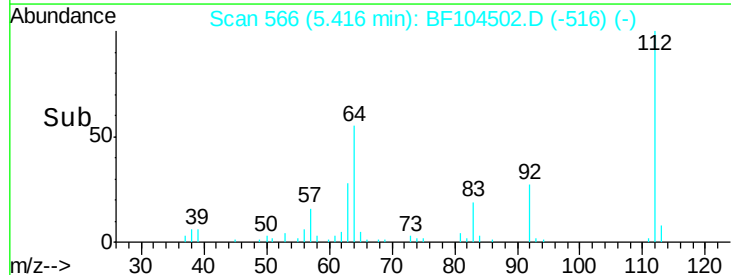
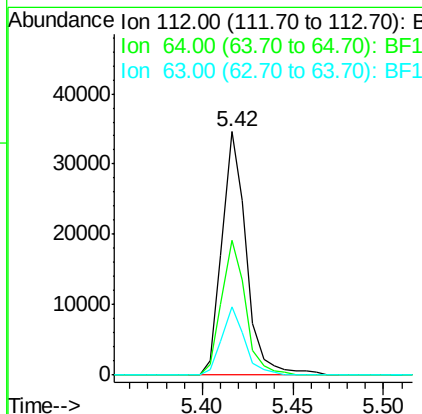
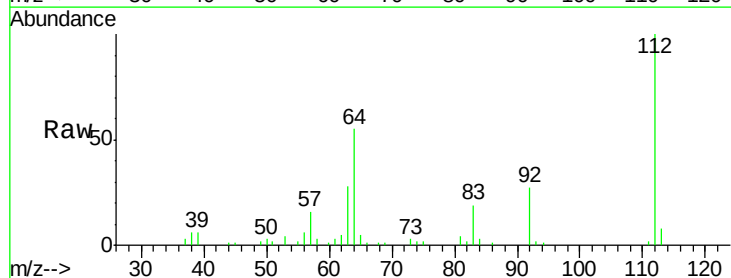
Sohil
4/16/2018 3:10:41 PM

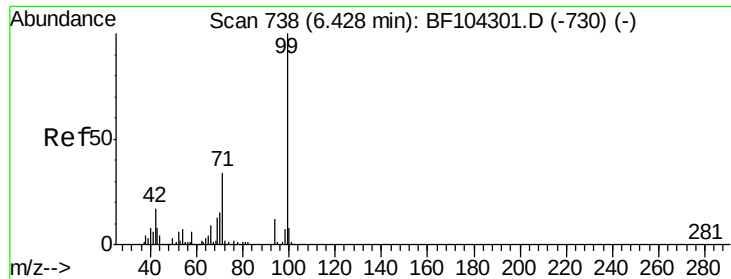


#5

2-Fluorophenol
Concen: 4.000 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.01 min
Lab File: BF104502.D
Acq: 14 Apr 2018 3:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.5	47.9	71.9
63	27.8	23.7	35.5





#7

Phenol-d6

Concen: 4.125 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104502.D

Acq: 14 Apr 2018 3:56

Instrument :

BNA_F

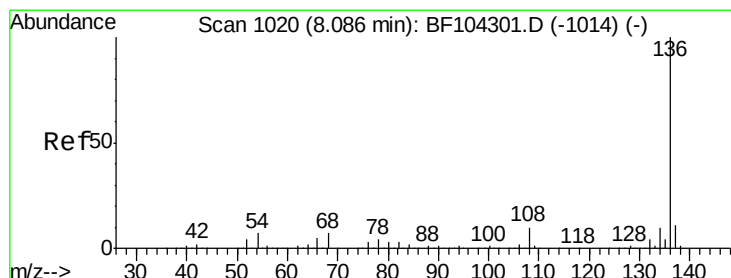
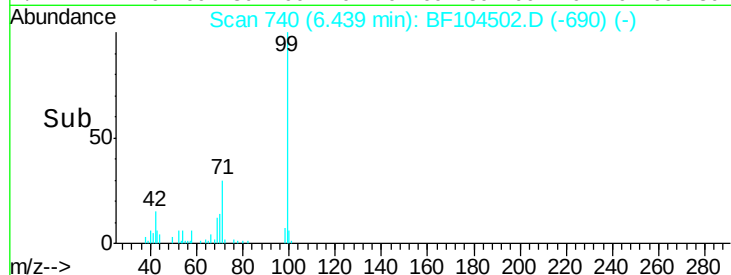
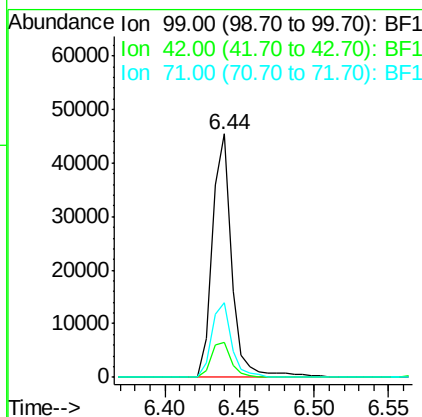
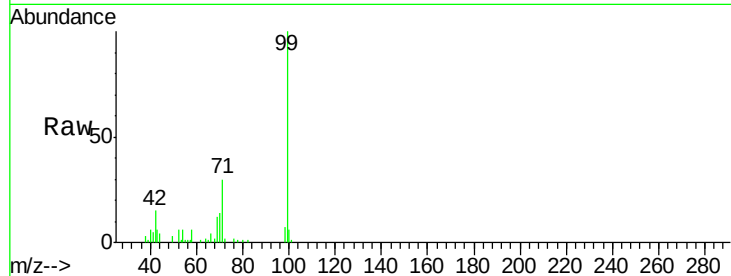
ClientSampleId :

S1DL

Tot Ion:	99	Resp:	41008
Ion Ratio	Lower	Upper	
99	100		
42	14.6	14.5	21.7
71	30.5	25.4	38.0

Manual Integrations
APPROVED

Sohil
4/16/2018 3:10:41 PM



#21

Naphthalene-d8

Concen: 20.000 ng

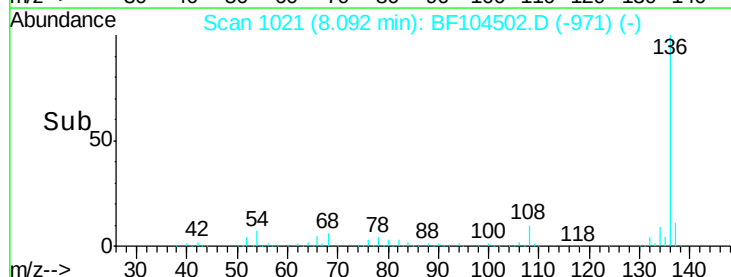
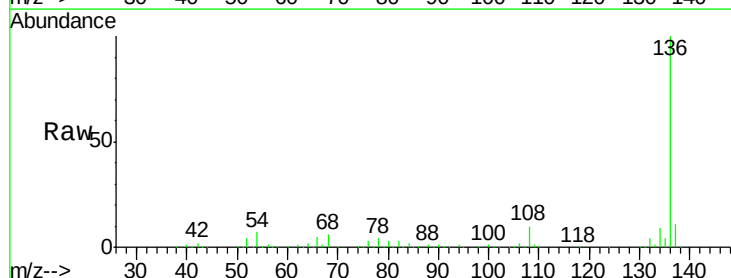
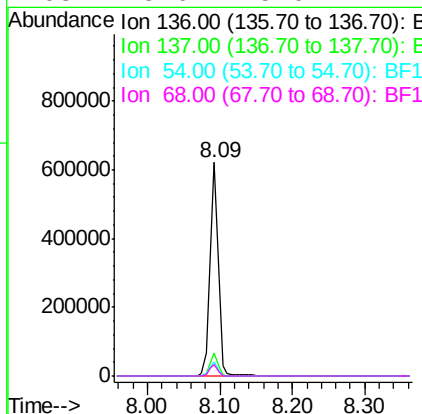
RT: 8.09 min Scan# 1021

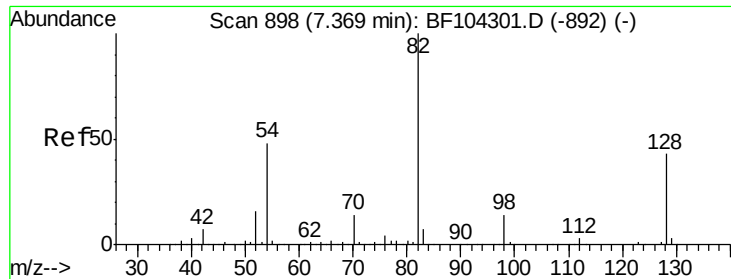
Delta R.T. -0.01 min

Lab File: BF104502.D

Acq: 14 Apr 2018 3:56

Tgt Ion:	136	Resp:	490313
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	6.6	6.6	9.8#
68	5.6	5.0	7.4





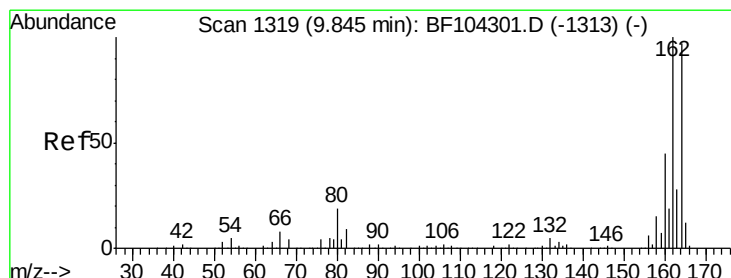
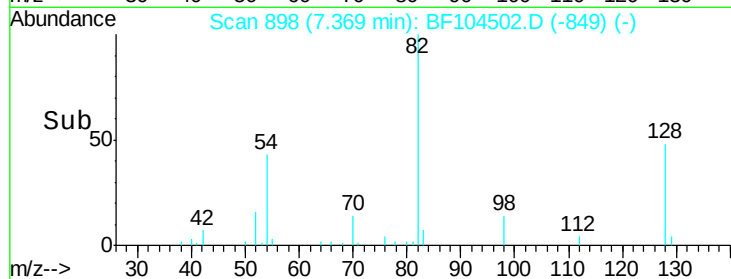
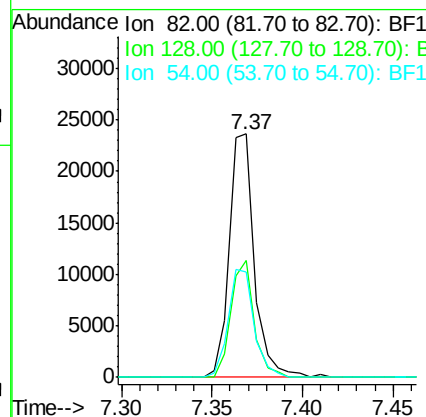
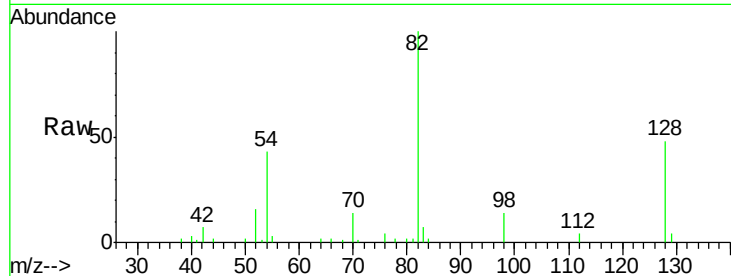
#23
 Nitrobenzene-d5
 Concen: 3.043 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: BF104502.D
 Acq: 14 Apr 2018 3:56

Instrument :
 BNA_F
 ClientSampled :
 S1DL

Tot Ion	82	Resp	22852
Ion Ratio	100	Lower	Upper
128	47.9	36.1	54.1
54	43.1	41.4	62.2

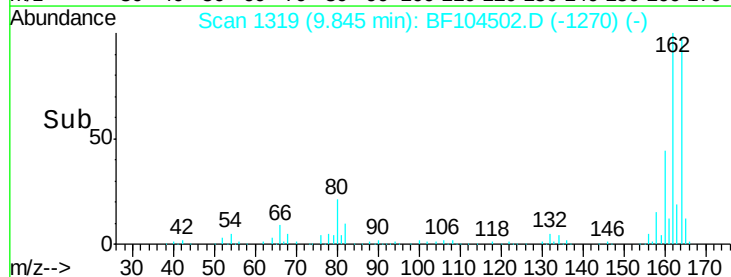
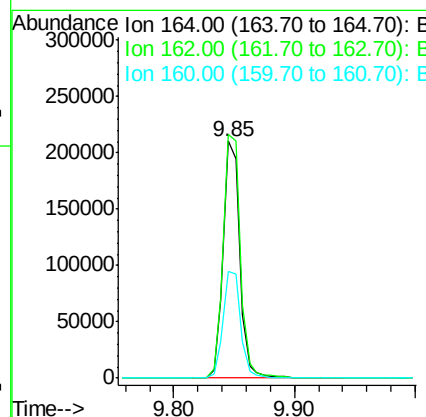
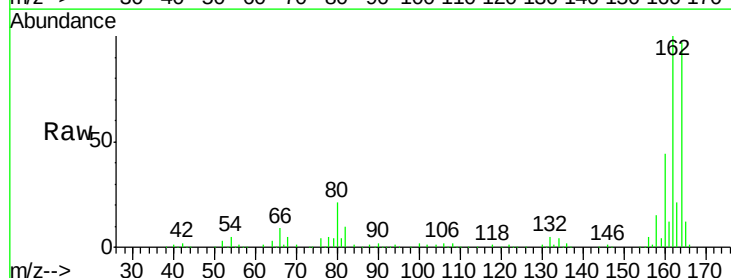
Manual Integrations
 APPROVED

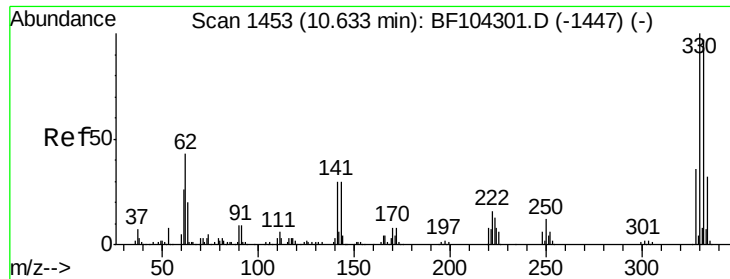
Sohil
 4/16/2018 3:10:41 PM



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BF104502.D
 Acq: 14 Apr 2018 3:56

Tgt Ion	164	Resp	198785
Ion Ratio	100	Lower	Upper
162	102.9	86.1	129.1
160	45.3	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 3.001 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF104502.D

Acq: 14 Apr 2018 3:56

Instrument :

BNA_F

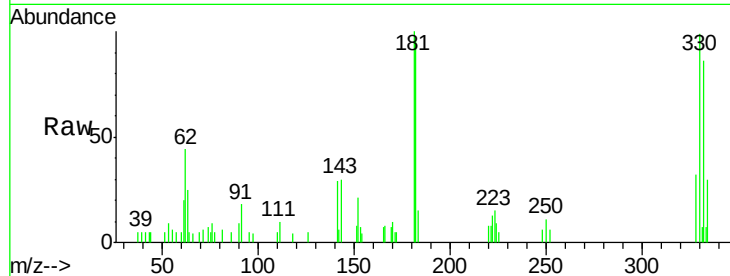
ClientSampled :

S1DL

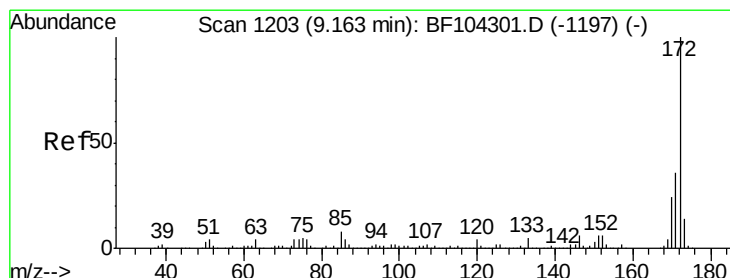
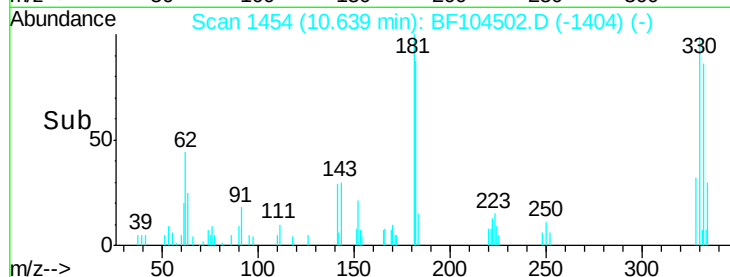
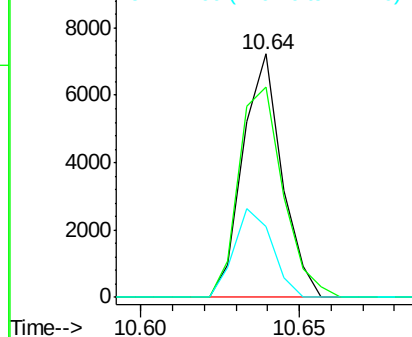
Tot Ion:	330	Resp:	6188
Ion Ratio	Lower	Upper	
330	100		
332	97.9	77.0	115.6
141	35.3	29.9	44.9

Manual Integrations
APPROVED

Sohil
4/16/2018 3:10:41 PM



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: 3.318 ng

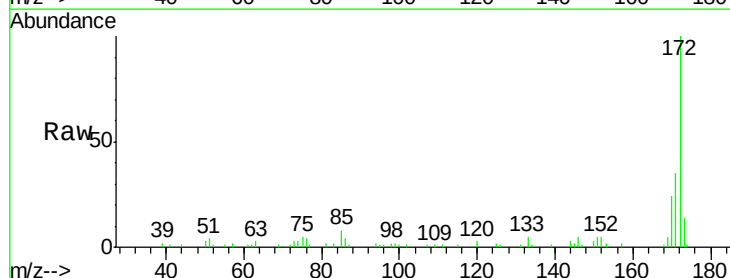
RT: 9.16 min Scan# 1203

Delta R.T. -0.01 min

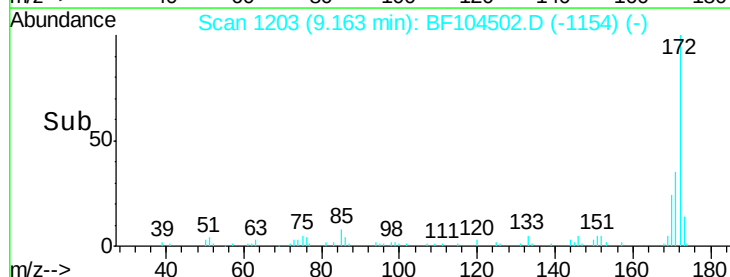
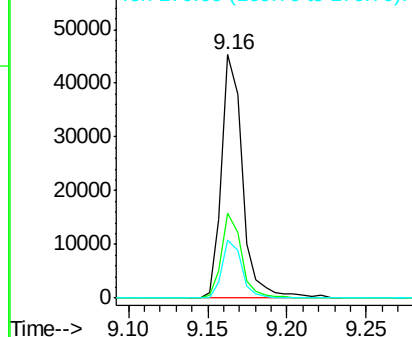
Lab File: BF104502.D

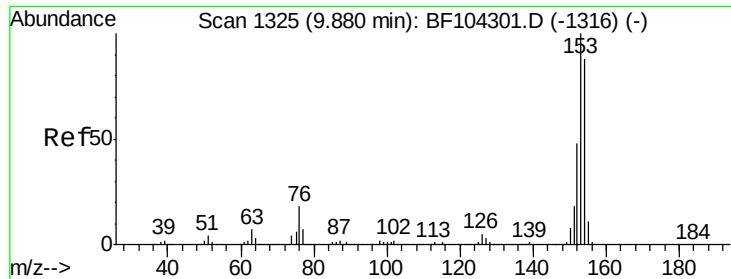
Acq: 14 Apr 2018 3:56

Tgt Ion:	172	Resp:	41747
Ion Ratio	Lower	Upper	
172	100		
171	34.8	29.7	44.5
170	23.9	19.6	29.4



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#51

Acenaphthene

Concen: 2.673 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF104502.D

Acq: 14 Apr 2018 3:56

Instrument :

BNA_F

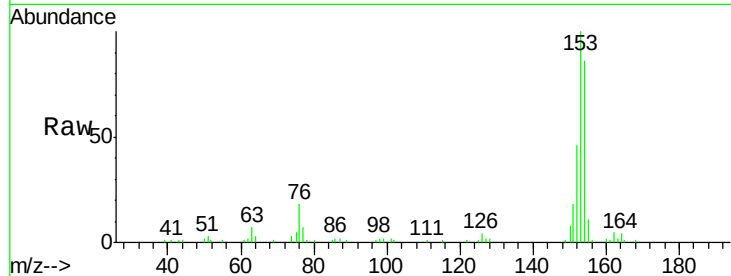
ClientSampled :

S1DL

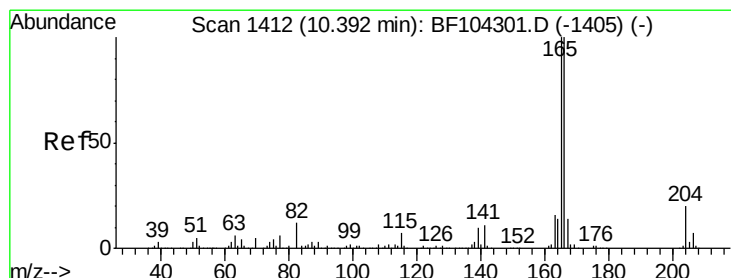
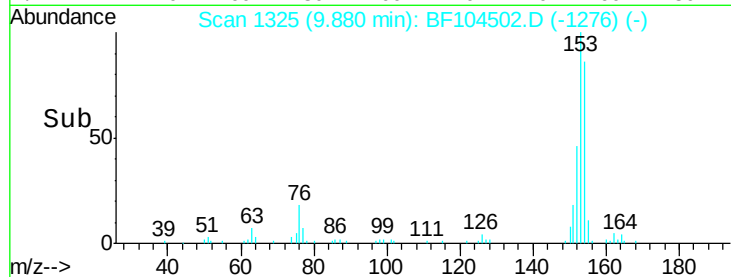
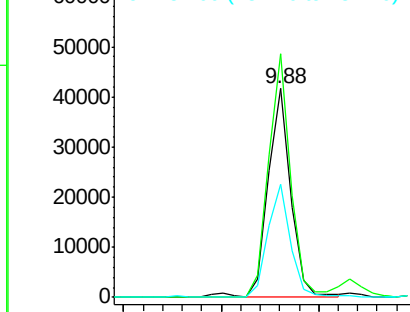
Tot Ion:	154	Resp:	33752
Ion Ratio	Lower	Upper	
154	100		
153	116.5	91.2	136.8
152	54.1	43.8	65.8

Manual Integrations
APPROVED

Sohil
4/16/2018 3:10:41 PM



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 3.830 ng

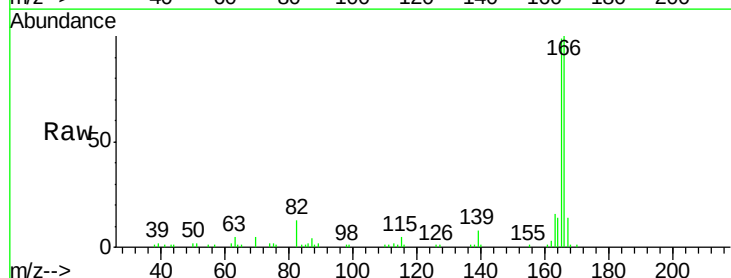
RT: 10.39 min Scan# 1412

Delta R.T. -0.01 min

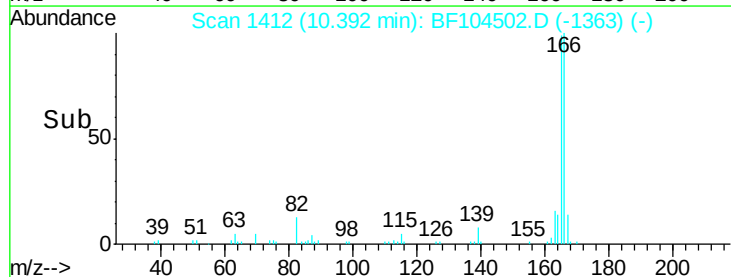
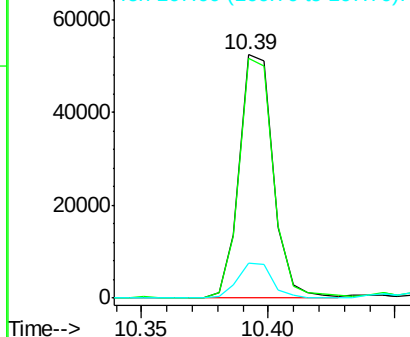
Lab File: BF104502.D

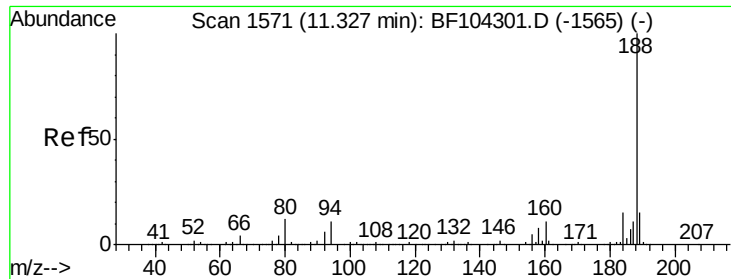
Acq: 14 Apr 2018 3:56

Tgt Ion:	166	Resp:	49061
Ion Ratio	Lower	Upper	
166	100		
165	98.7	79.8	119.8
167	14.4	10.6	16.0



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





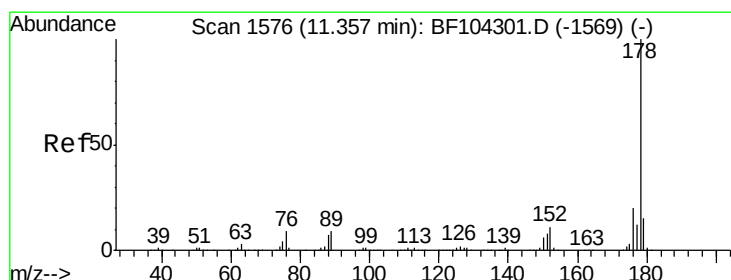
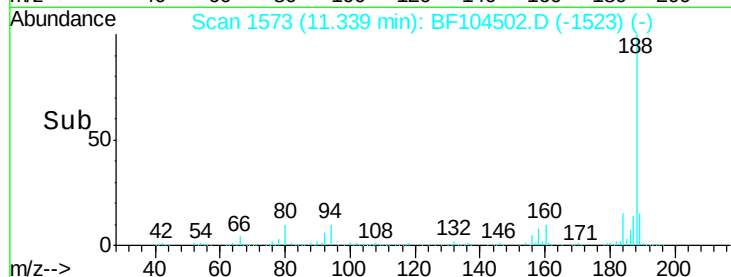
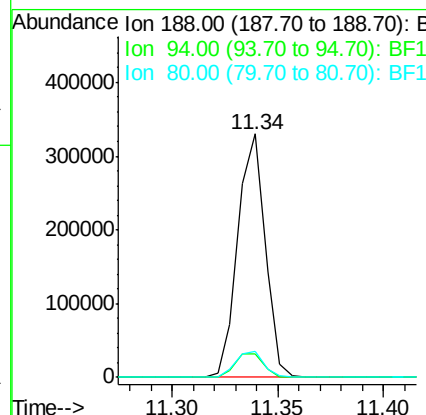
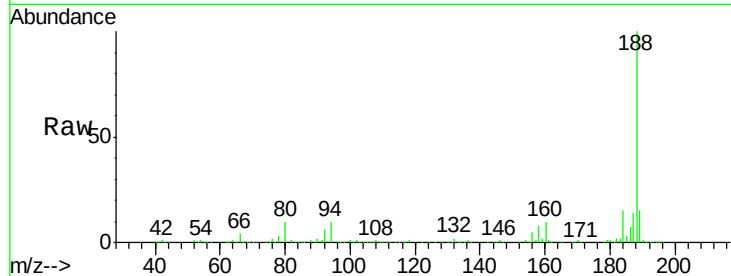
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF104502.D
Acq: 14 Apr 2018 3:56

Instrument :
BNA_F
ClientSampled :
S1DL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.7	8.5	12.7
80	10.5	9.2	13.8

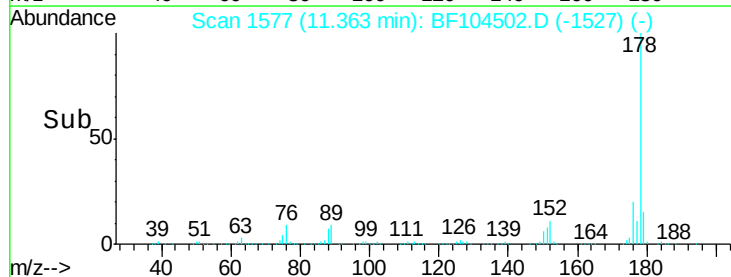
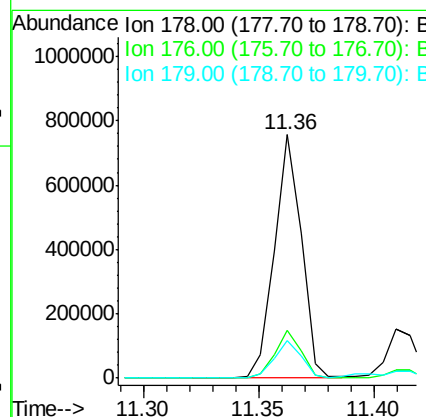
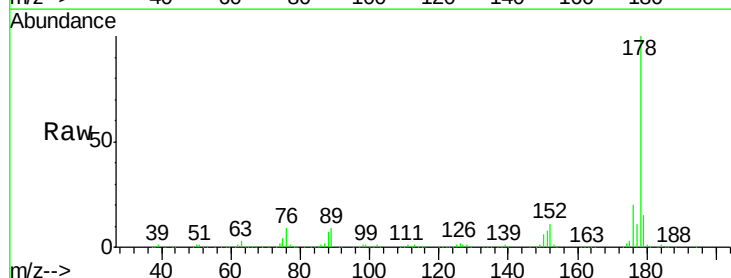
Manual Integrations
APPROVED

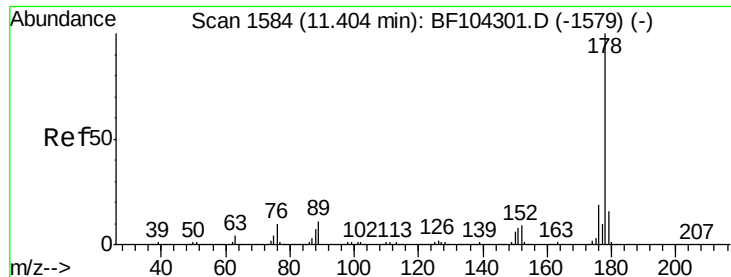
Sohil
4/16/2018 3:10:41 PM



#70
Phenanthrene
Concen: 37.341 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF104502.D
Acq: 14 Apr 2018 3:56

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.3	13.0	19.6





#71

Anthracene

Concen: 7.910 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF104502.D

Acq: 14 Apr 2018 3:56

Instrument :

BNA_F

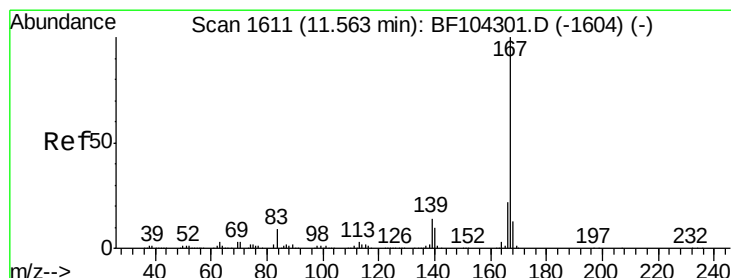
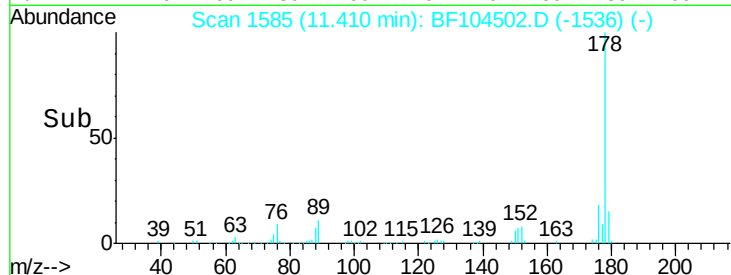
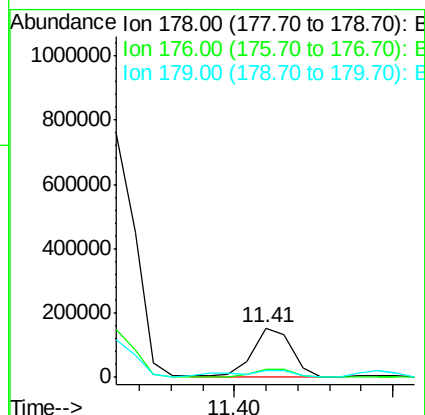
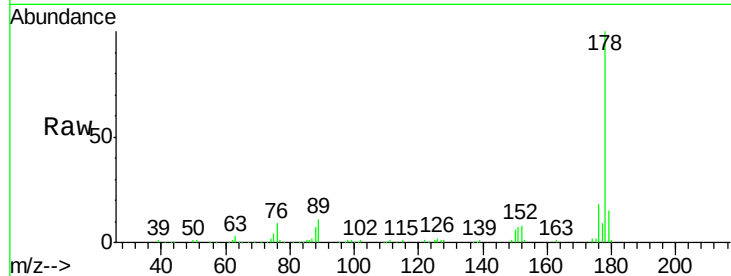
ClientSampled :

S1DL

Tot Ion:	178	Resp:	132104
Ion Ratio	Lower	Upper	
178	100		
176	17.6	15.4	23.2
179	15.0	12.6	19.0

Manual Integrations
APPROVED

Sohil
4/16/2018 3:10:41 PM



#72

Carbazole

Concen: 7.015 ng

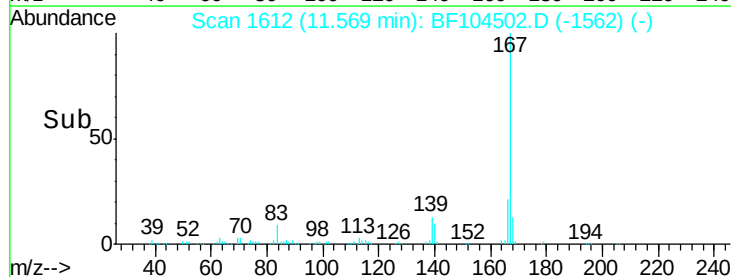
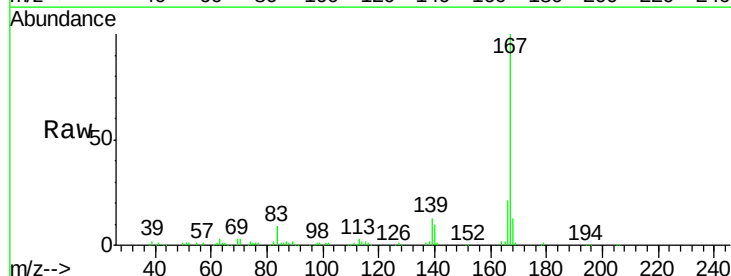
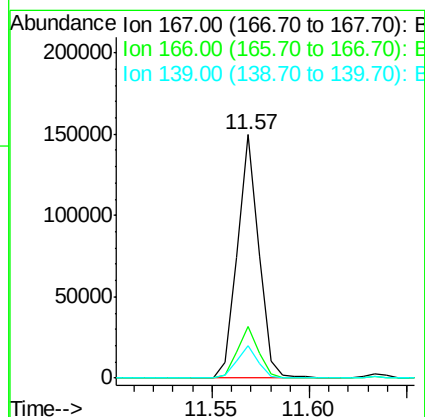
RT: 11.57 min Scan# 1612

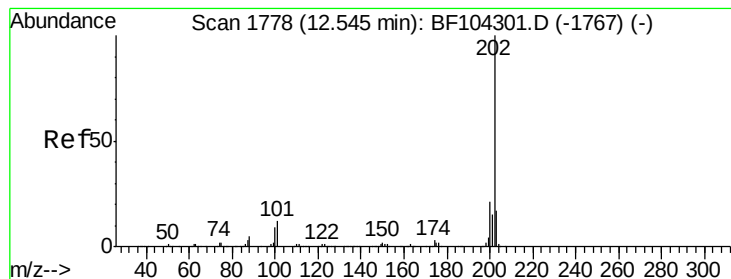
Delta R.T. -0.01 min

Lab File: BF104502.D

Acq: 14 Apr 2018 3:56

Tgt Ion:	167	Resp:	114480
Ion Ratio	Lower	Upper	
167	100		
166	21.0	17.6	26.4
139	13.2	10.9	16.3





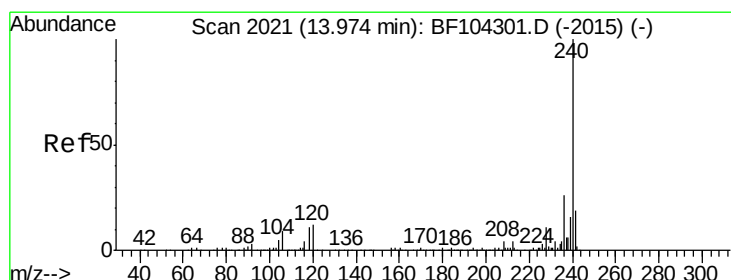
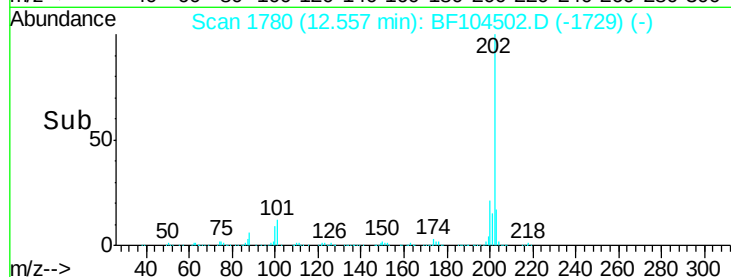
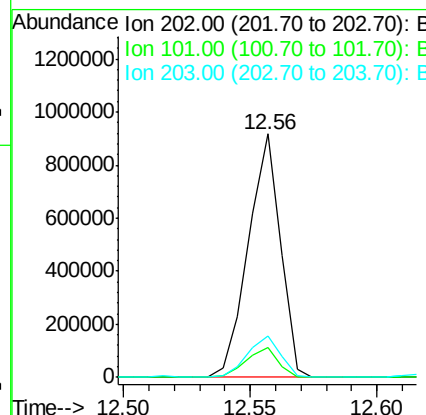
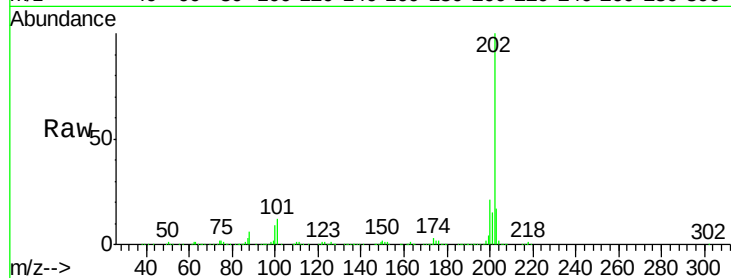
#74
Fluoranthene
Concen: 47.197 ng
RT: 12.56 min Scan# 1780
Delta R.T. -0.00 min
Lab File: BF104502.D
Acq: 14 Apr 2018 3:56

Instrument :
BNA_F
ClientSampled :
S1DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.4	0.0	34.1
203	17.1	0.0	38.1

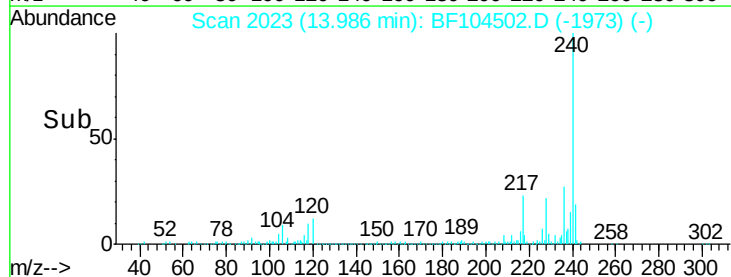
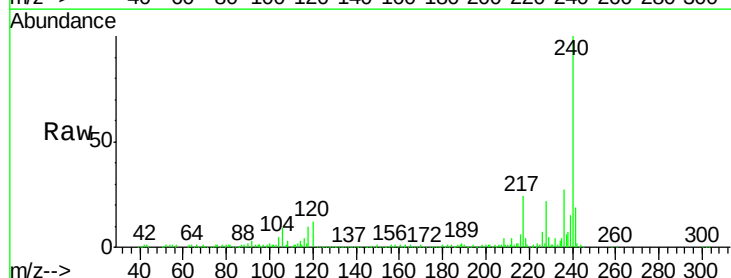
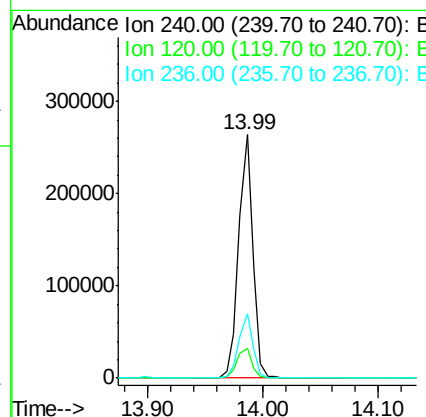
Manual Integrations
APPROVED

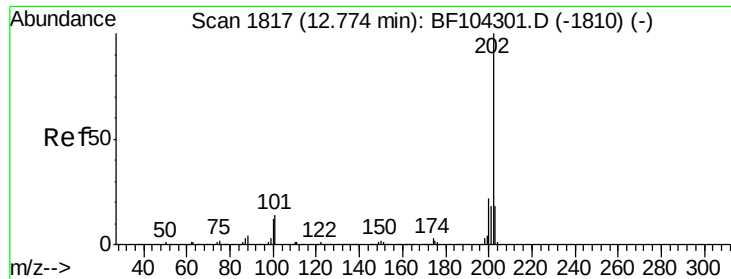
Sohil
4/16/2018 3:10:41 PM



#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF104502.D
Acq: 14 Apr 2018 3:56

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.2	9.5	14.3
236	26.7	20.7	31.1





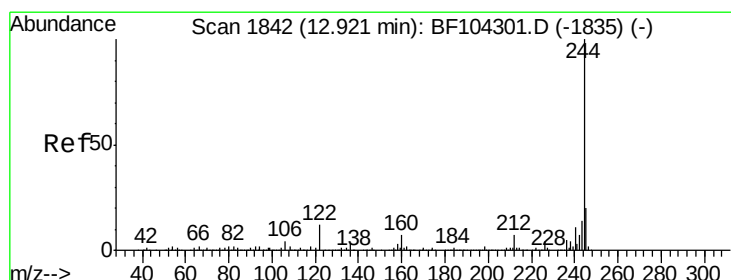
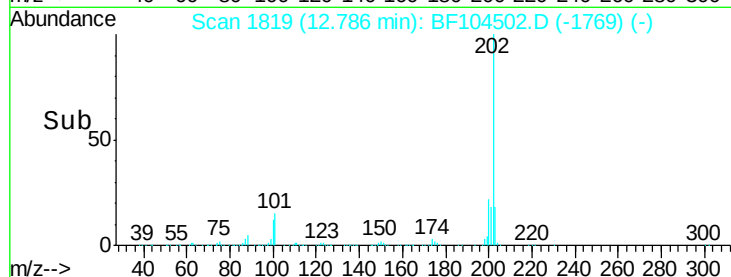
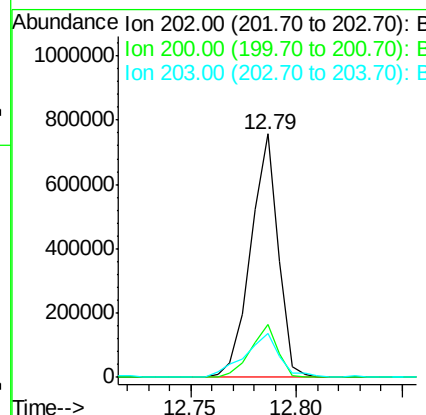
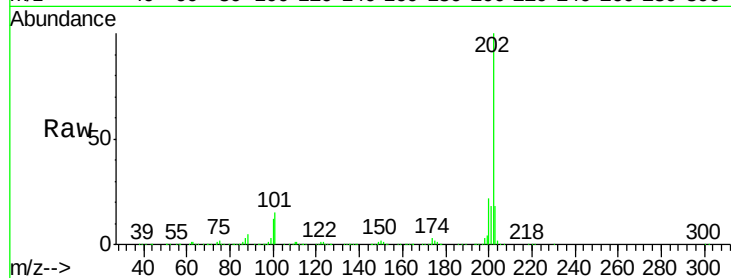
#77
Pvrene
Concen: 40.945 ng
RT: 12.79 min Scan# 1819
Delta R.T. -0.01 min
Lab File: BF104502.D
Acq: 14 Apr 2018 3:56

Instrument :
BNA_F
ClientSampled :
S1DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.4	26.2
203	17.8	14.3	21.5

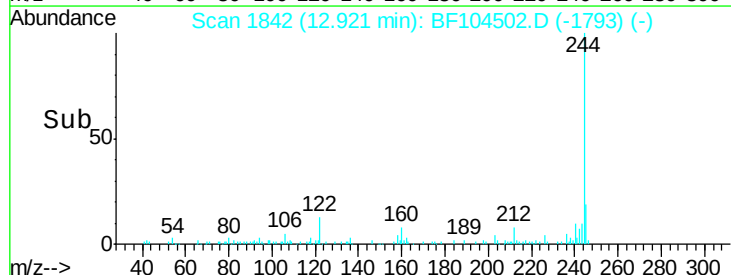
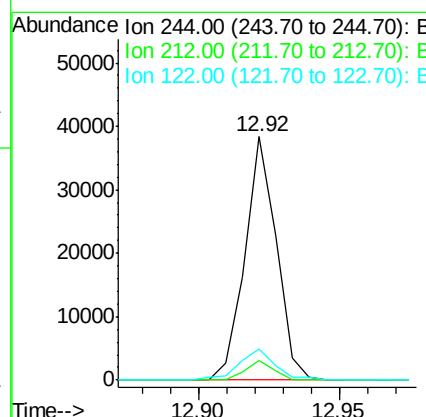
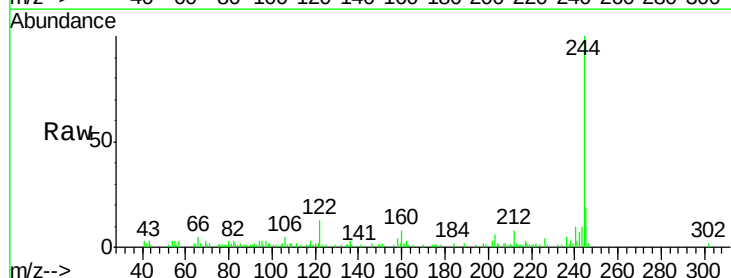
Manual Integrations
APPROVED

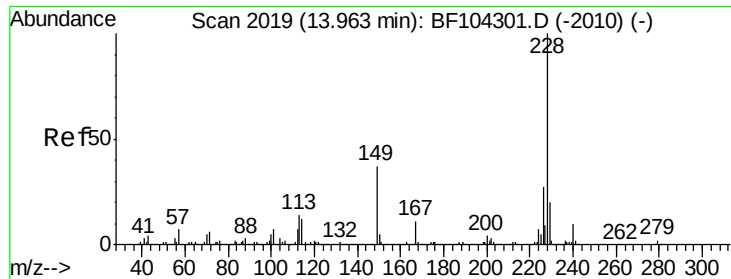
Sohil
4/16/2018 3:10:41 PM



#78
Terphenyl-d14
Concen: 2.998 ng
RT: 12.92 min Scan# 1842
Delta R.T. -0.01 min
Lab File: BF104502.D
Acq: 14 Apr 2018 3:56

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.9	5.4	8.0
122	12.8	11.0	16.4





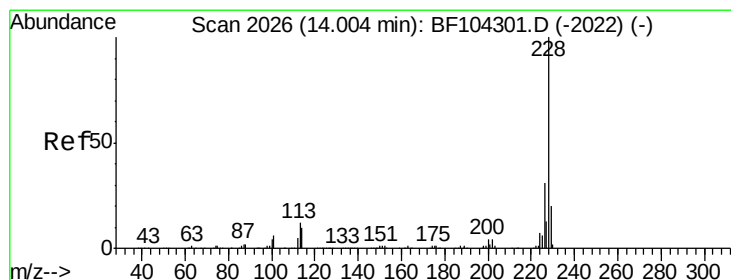
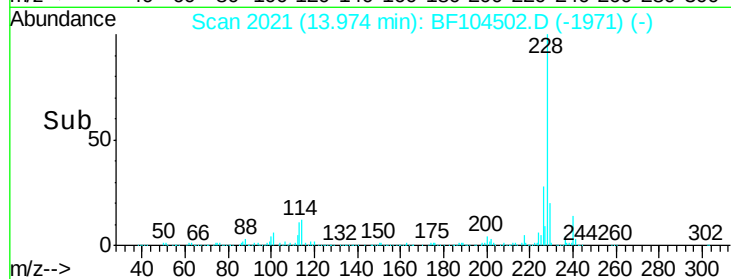
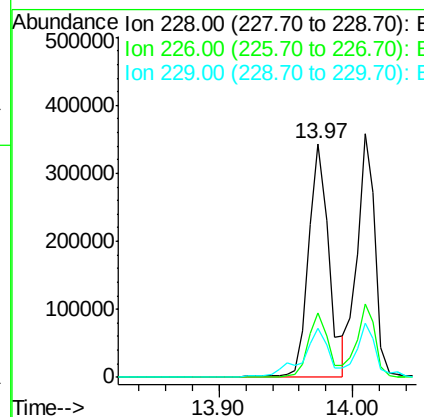
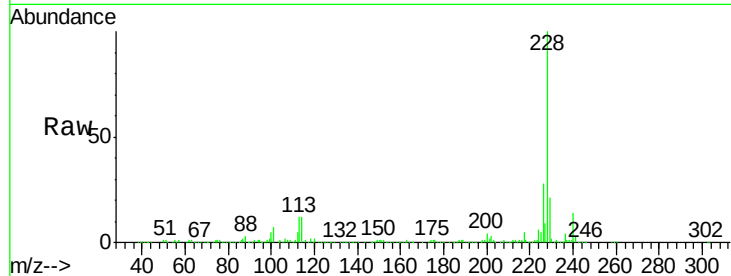
#80
Benzo(a)anthracene
Concen: 26.380 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF104502.D
Acq: 14 Apr 2018 3:56

Instrument :
BNA_F
ClientSampleId :
S1DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.6	33.8
229	20.8	15.8	23.6

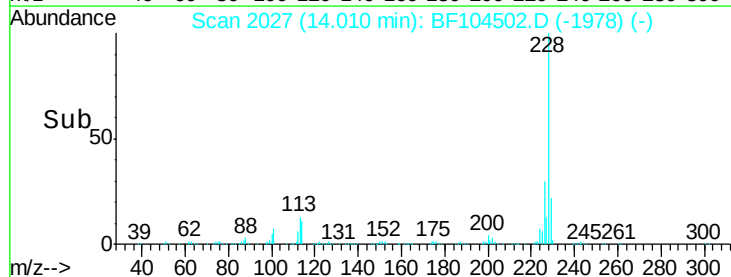
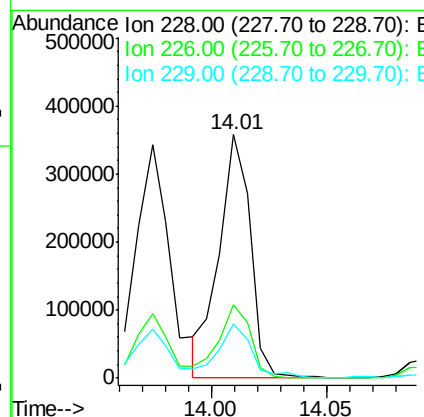
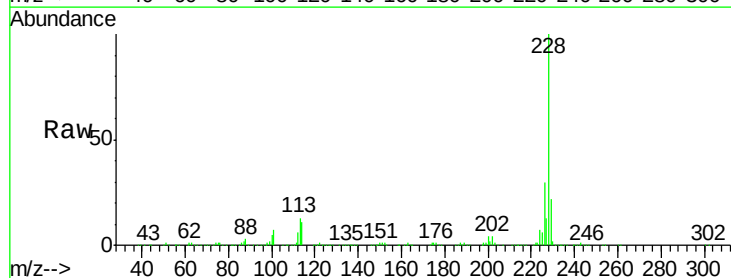
Manual Integrations
APPROVED

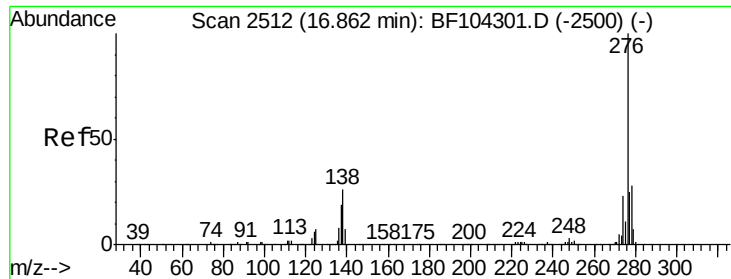
Sohil
4/16/2018 3:10:41 PM



#82
Chrysene
Concen: 24.283 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF104502.D
Acq: 14 Apr 2018 3:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	22.1	16.2	24.4





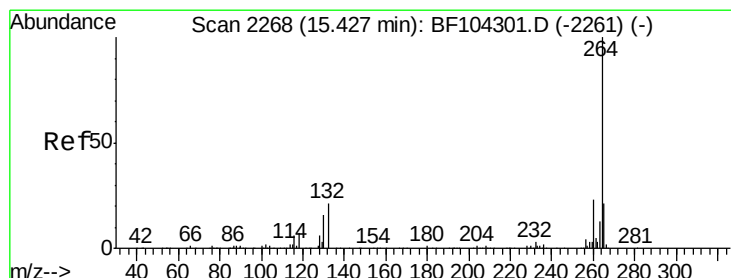
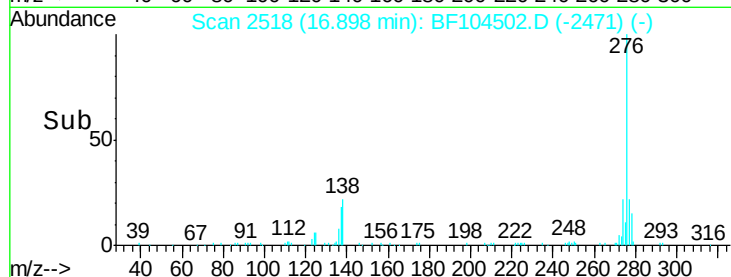
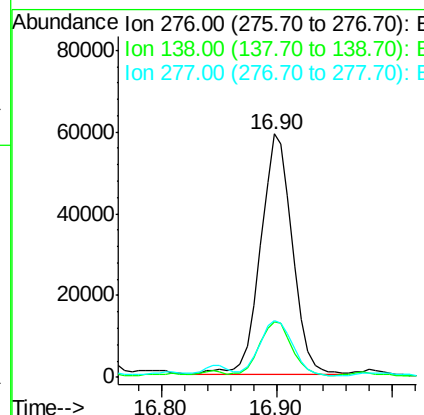
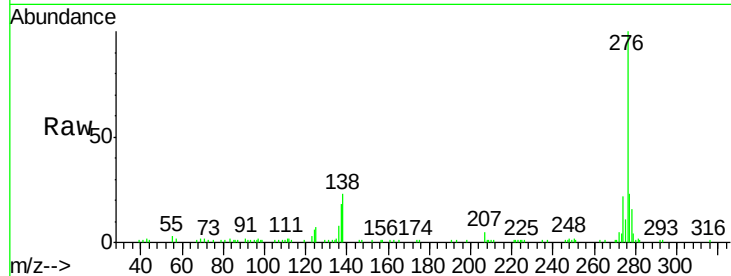
#85
Indeno(1,2,3-cd)pyrene
Concen: 9.575 ng
RT: 16.90 min Scan# 2518
Delta R.T. -0.02 min
Lab File: BF104502.D
Acq: 14 Apr 2018 3:56

Instrument :
BNA_F
ClientSampled :
S1DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.4	25.0	37.6#
277	24.3	20.1	30.1

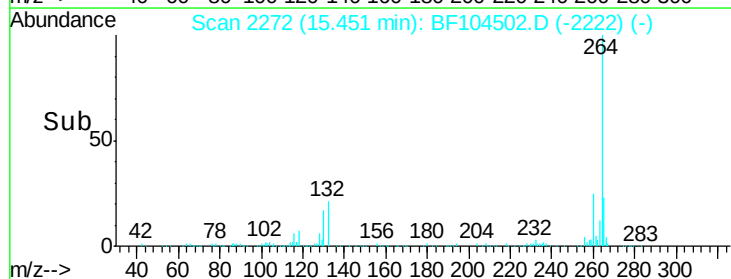
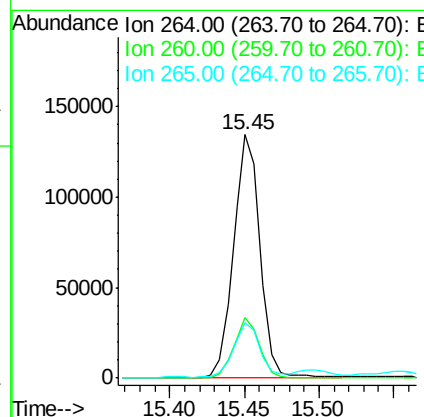
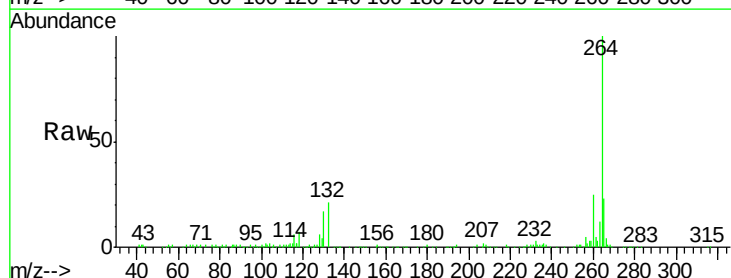
Manual Integrations
APPROVED

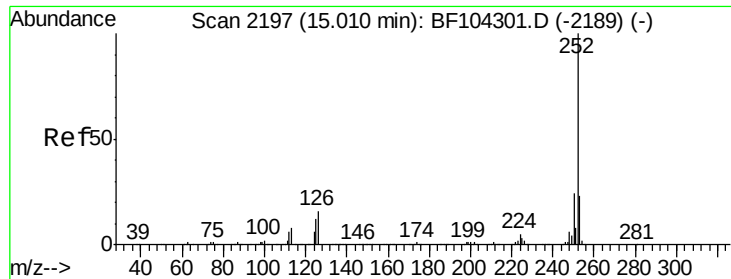
Sohil
4/16/2018 3:10:41 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF104502.D
Acq: 14 Apr 2018 3:56

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	23.0	17.5	26.3





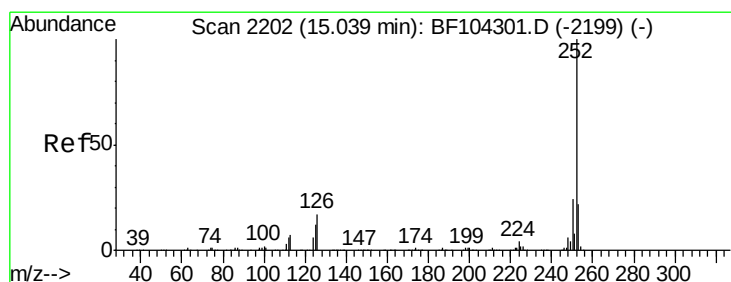
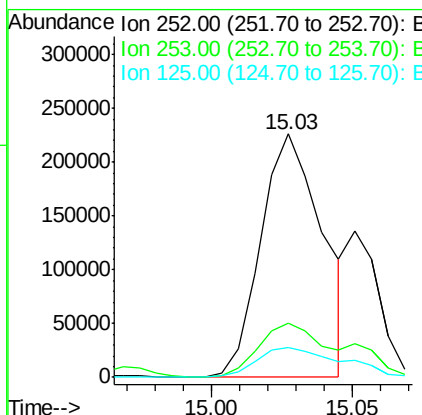
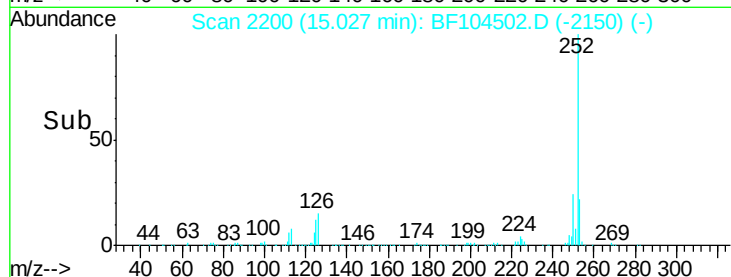
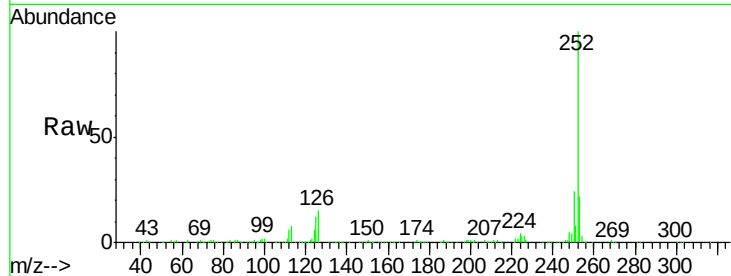
#87
Benzo(b)fluoranthene
Concen: 32.384 ng m
RT: 15.03 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF104502.D
Acq: 14 Apr 2018 3:56

Instrument :
BNA_F
ClientSampled :
S1DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	12.2	9.0	13.6

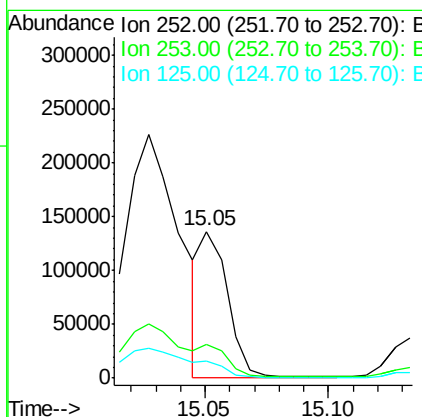
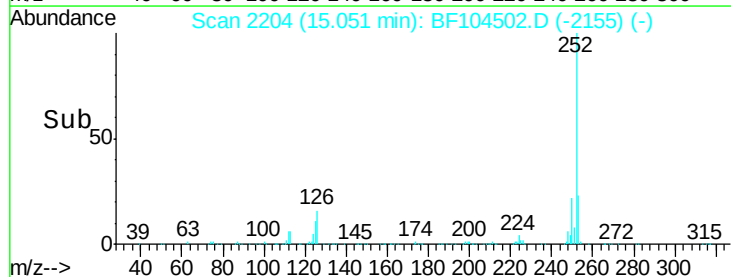
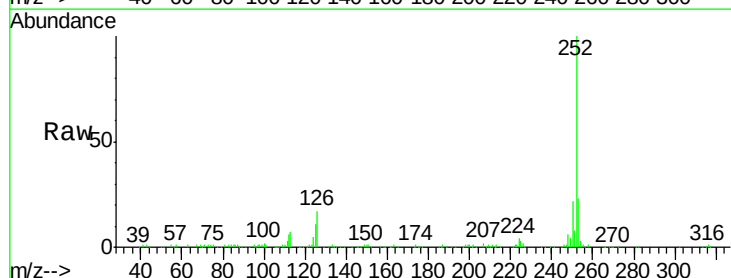
Manual Integrations
APPROVED

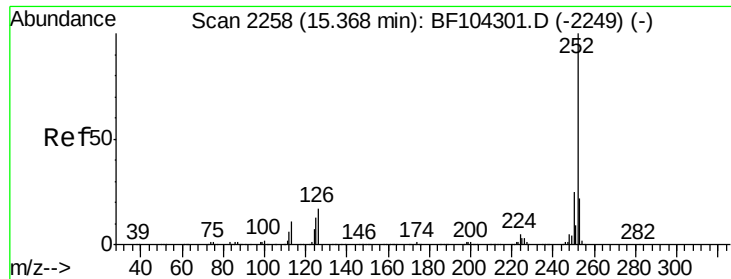
Sohil
4/16/2018 3:10:41 PM



#88
Benzo(k)fluoranthene
Concen: 10.569 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF104502.D
Acq: 14 Apr 2018 3:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	11.4	10.2	15.2





#89

Benzo(a)pyrene

Concen: 23.725 ng

RT: 15.39 min Scan# 2262

Delta R.T. -0.01 min

Lab File: BF104502.D

Acq: 14 Apr 2018 3:56

Instrument :

BNA_F

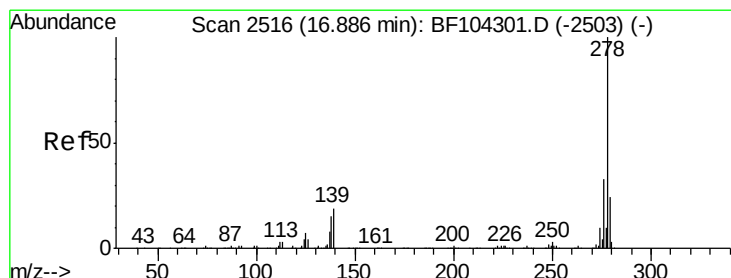
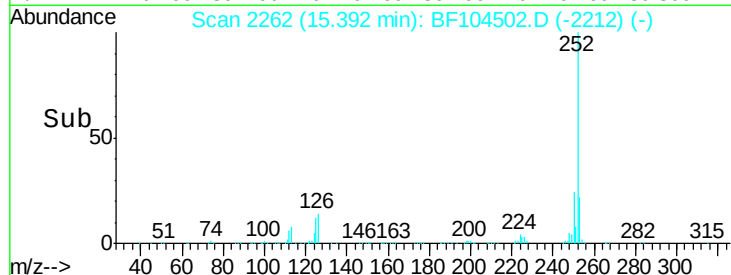
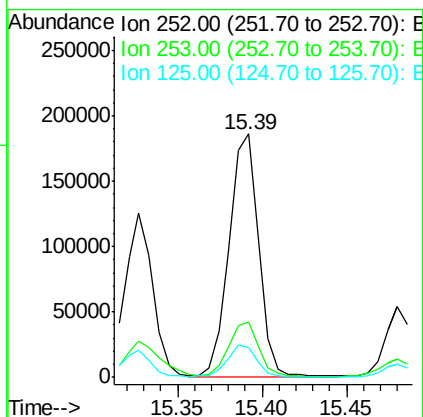
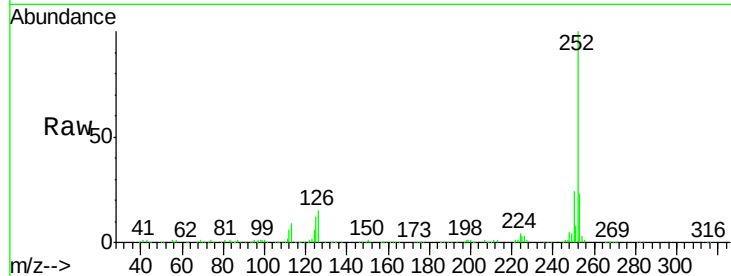
ClientSampled :

S1DL

Tot Ion:	252	Resp:	225071
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.1	25.7
125	12.1	9.8	14.6

Manual Integrations
APPROVED

Sohil
4/16/2018 3:10:41 PM



#90

Dibenzo(a,h)anthracene

Concen: 3.761 ng m

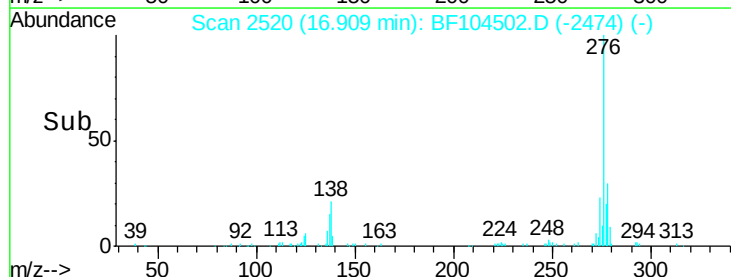
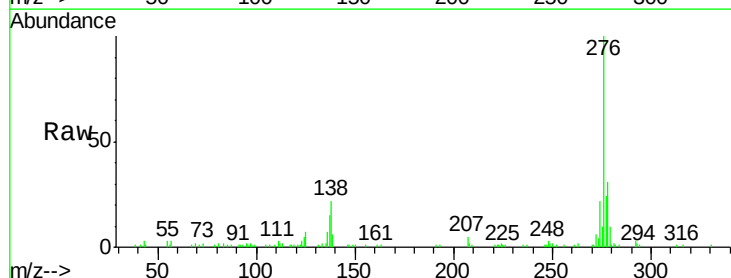
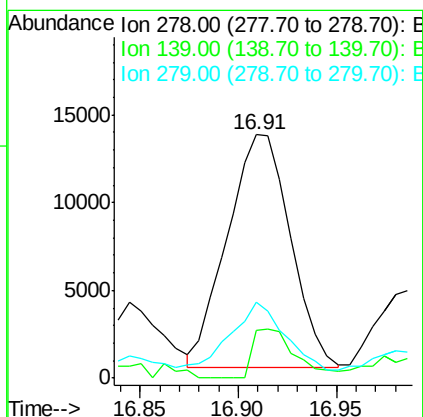
RT: 16.91 min Scan# 2520

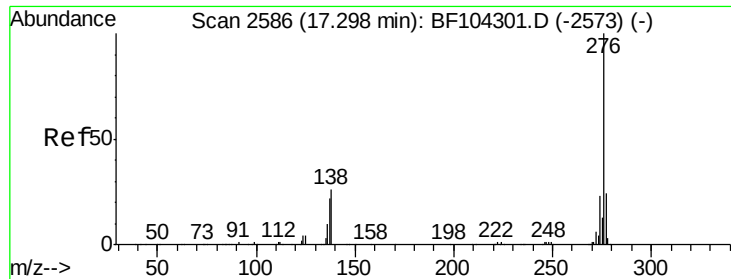
Delta R.T. -0.03 min

Lab File: BF104502.D

Acq: 14 Apr 2018 3:56

Tgt Ion:	278	Resp:	29302
Ion Ratio	Lower	Upper	
278	100		
139	19.5	15.9	23.9
279	31.3	19.0	28.4#





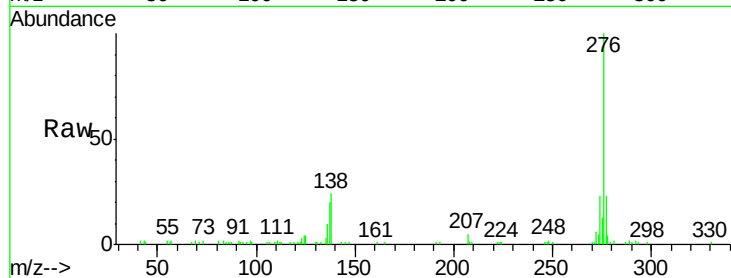
#91
 Benzo(a,h,i)perylene
 Concen: 14.076 ng
 RT: 17.34 min Scan# 2593
 Delta R.T. -0.02 min
 Lab File: BF104502.D
 Acq: 14 Apr 2018 3:56

Instrument :
 BNA_F
 ClientSampleId :
 S1DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.3	17.9	26.9
138	24.5	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 4/16/2018 3:10:41 PM



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

