

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032818\
 Data File : BF104019.D
 Acq On : 28 Mar 2018 19:23
 Operator : JU/SJ
 Sample : J2100-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-8-DB

Manual Integrations
 APPROVED

Sohil
 3/29/2018 5:36:28 PM

Quant Time: Mar 29 11:22:14 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 28 13:41:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	131846	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	523761	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	224016	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	338485	20.00	ng	0.00
75) Chrysene-d12	14.15	240	258117	20.00	ng	0.00
86) Perylene-d12	15.70	264	240412	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	657502	79.53	ng	0.00
7) Phenol-d6	6.60	99	927076	91.14	ng	0.00
23) Nitrobenzene-d5	7.53	82	581263	67.87	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	176792	70.87	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	926045	65.19	ng	0.00
78) Terphenyl-d14	13.08	244	612572	54.80	ng	0.00
Target Compounds						
31) Naphthalene	8.27	128	323609	12.647	ng	99
49) Dimethylphthalate	9.71	163	83762	4.736	ng	100
70) Phenanthrene	11.52	178	60068	3.278	ng	98
74) Fluoranthene	12.72	202	110786	5.687	ng	97
77) Pyrene	12.95	202	110774	5.970	ng	98
80) Benzo(a)anthracene	14.14	228	65870m	4.078	ng	
82) Chrysene	14.18	228	71759	4.536	ng	98
85) Indeno(1,2,3-cd)pyrene	17.28	276	34626	2.112	ng	# 89
87) Benzo(b)fluoranthene	15.23	252	87862m	6.005	ng	
88) Benzo(k)fluoranthene	15.26	252	27642m	2.006	ng	
89) Benzo(a)pyrene	15.63	252	62976	4.645	ng	# 93
91) Benzo(a,h,i)perylene	17.77	276	35446	2.823	ng	# 92

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

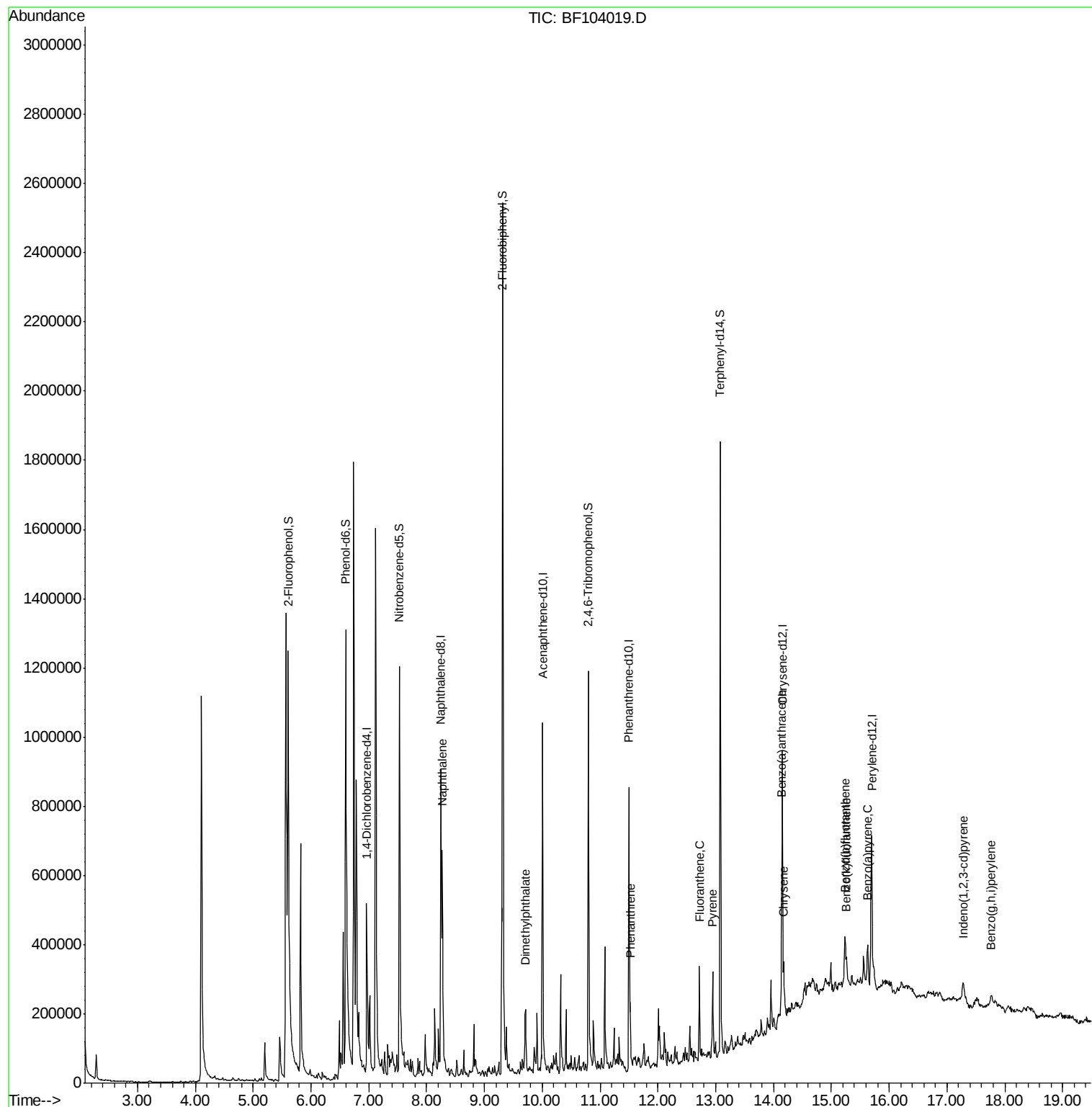
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032818\
Data File : BF104019.D
Acq On : 28 Mar 2018 19:23
Operator : JU/SJ
Sample : J2100-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

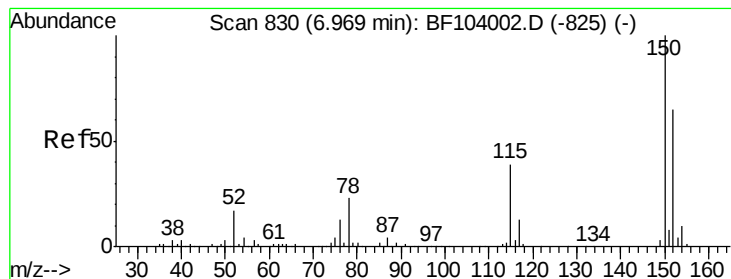
Instrument :
BNA_F
ClientSampleId :
TP-8-DB

Manual Integrations
APPROVED

Sohil
3/29/2018 5:36:28 PM

Quant Time: Mar 29 11:22:14 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 28 13:41:47 2018
Response via : Initial Calibration





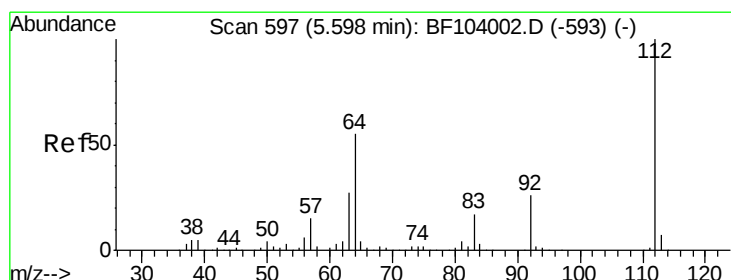
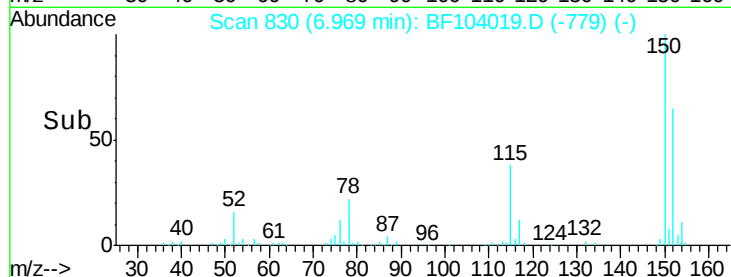
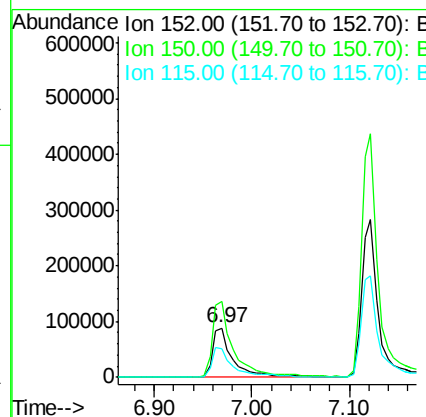
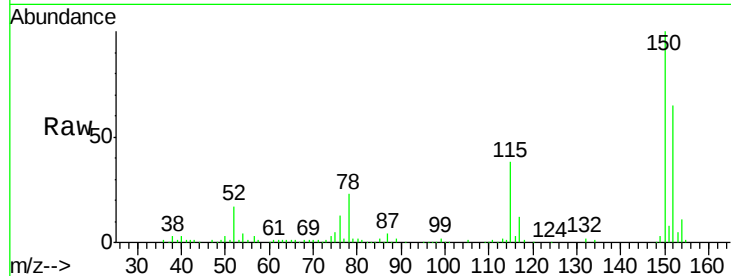
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 830
 Delta R.T. -0.00 min
 Lab File: BF104019.D
 Acq: 28 Mar 2018 19:23

Instrument :
 BNA_F
 ClientSampleID :
 TP-8-DB

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	124.6	186.8
115	58.0	50.1	75.1

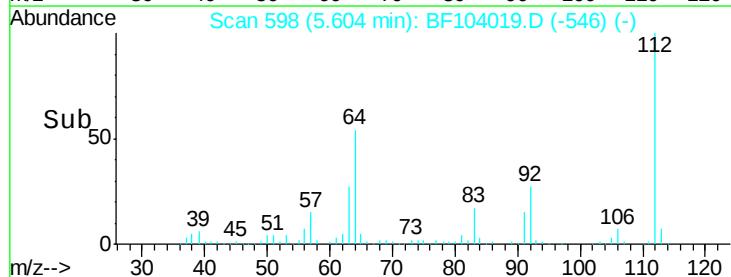
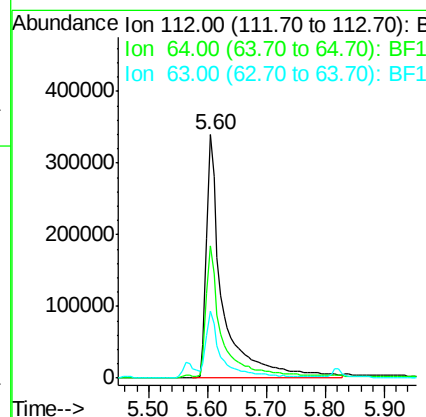
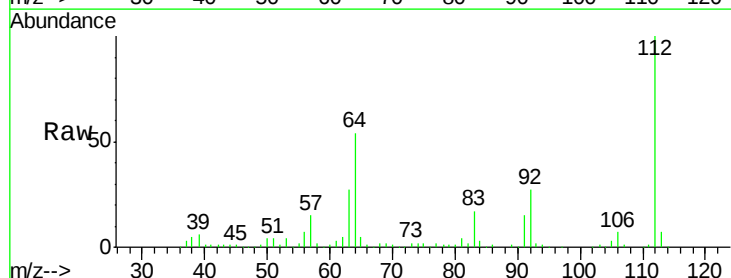
Manual Integrations
 APPROVED

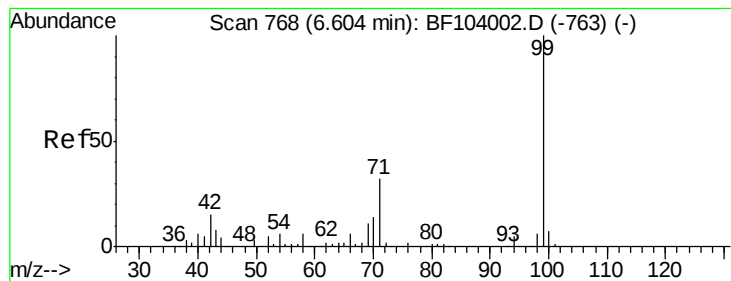
Sohil
 3/29/2018 5:36:28 PM



#5
 2-Fluorophenol
 Concen: 79.528 ng
 RT: 5.60 min Scan# 598
 Delta R.T. 0.01 min
 Lab File: BF104019.D
 Acq: 28 Mar 2018 19:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.4	47.9	71.9
63	27.4	23.7	35.5





#7

Phenol-d6

Concen: 91.144 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF104019.D

Acq: 28 Mar 2018 19:23

Instrument :

BNA_F

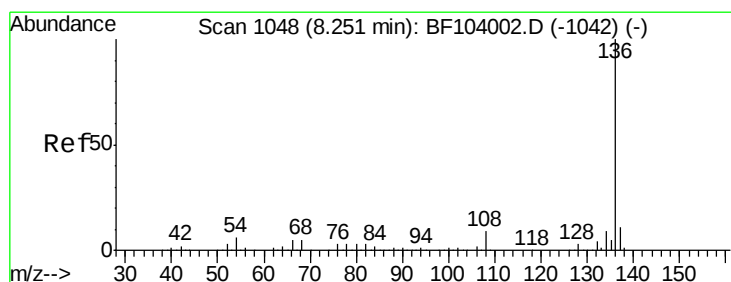
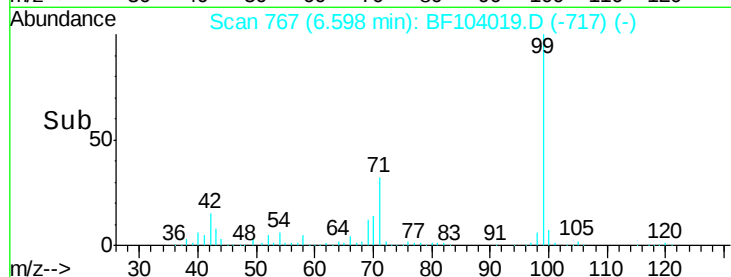
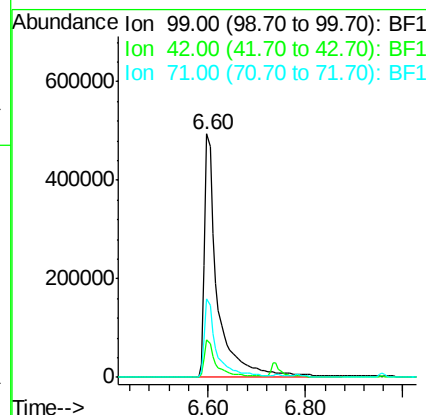
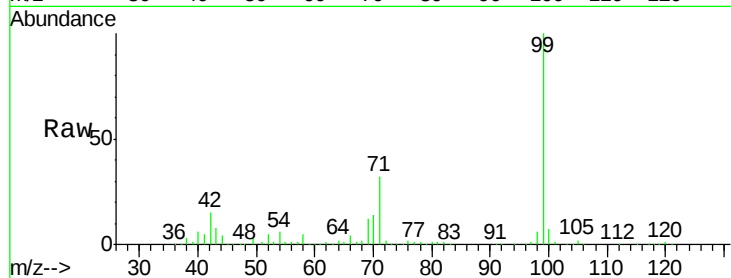
ClientSampleId :

TP-8-DB

Tot Ion:	99	Resp:	927076
Ion Ratio	Lower	Upper	
99	100		
42	15.4	14.5	21.7
71	32.1	25.4	38.0

Manual Integrations
APPROVED

Sohil
3/29/2018 5:36:28 PM



#21

Naphthalene-d8

Concen: 20.000 ng

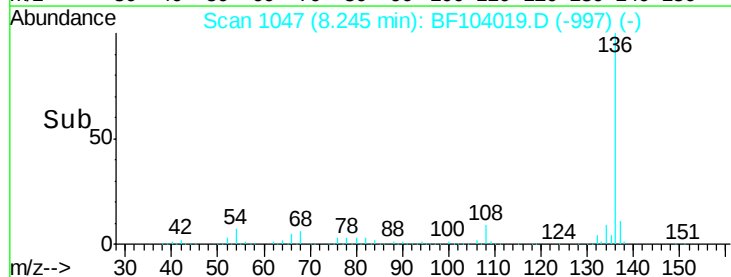
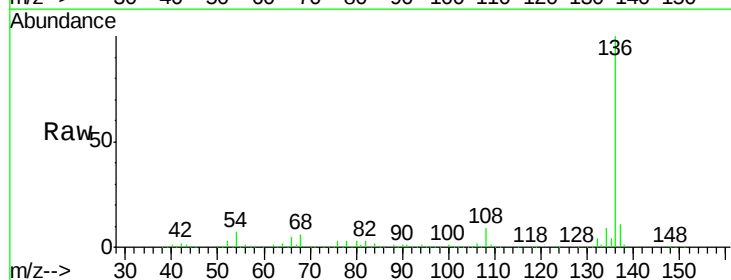
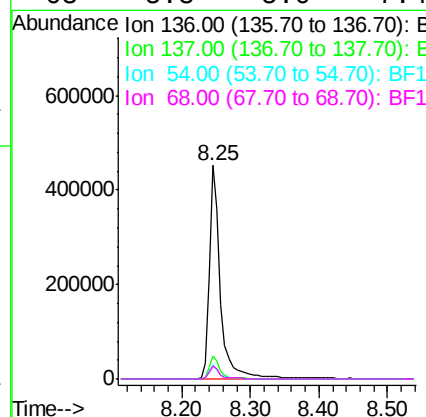
RT: 8.25 min Scan# 1047

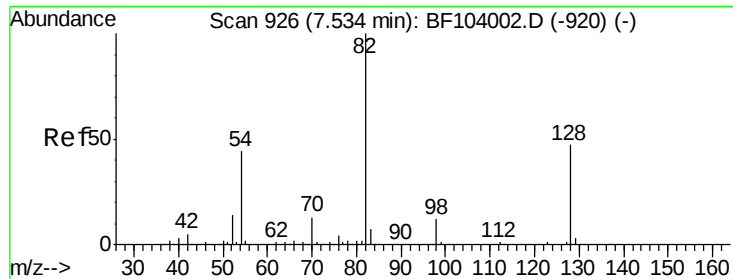
Delta R.T. -0.01 min

Lab File: BF104019.D

Acq: 28 Mar 2018 19:23

Tgt Ion:	136	Resp:	523761
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	6.7	6.6	9.8
68	5.8	5.0	7.4





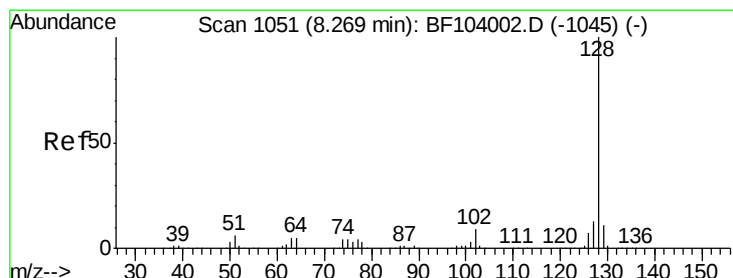
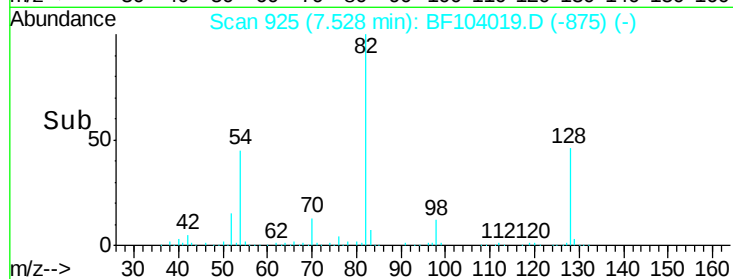
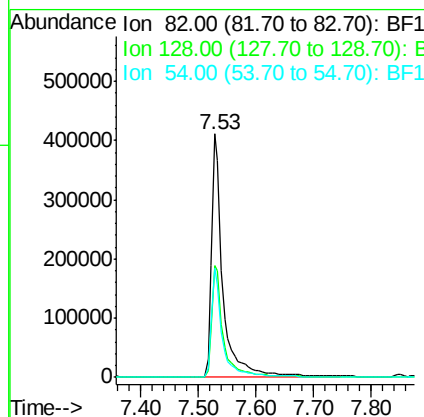
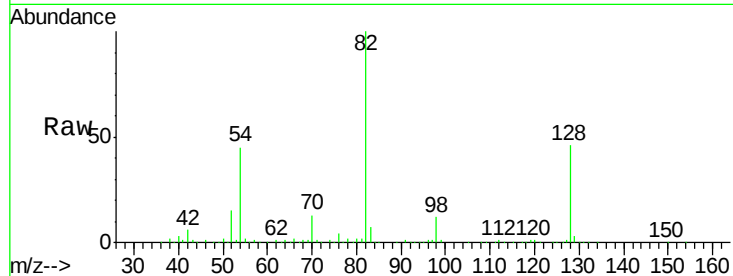
#23
Nitrobenzene-d5
Concen: 67.870 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.01 min
Lab File: BF104019.D
Acq: 28 Mar 2018 19:23

Instrument :
BNA_F
ClientSampled :
TP-8-DB

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.1	36.1	54.1
54	44.7	41.4	62.2

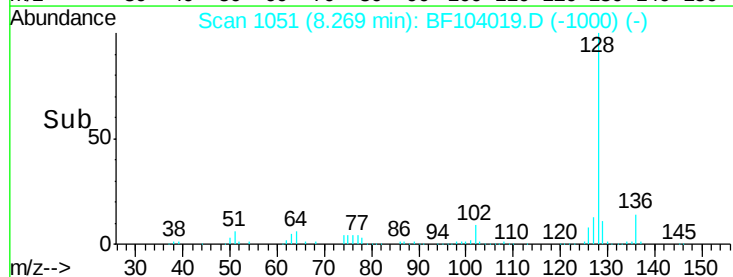
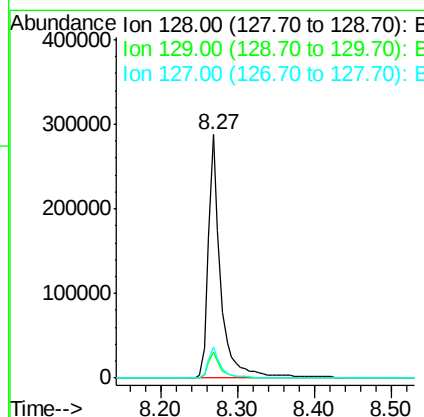
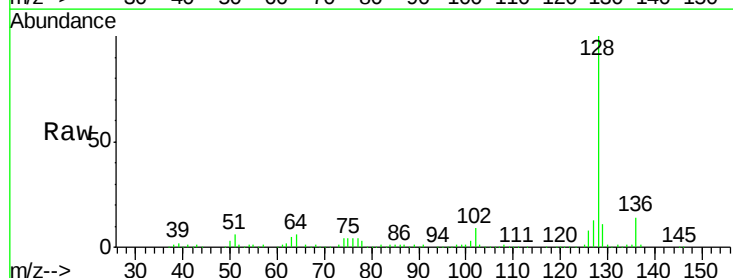
Manual Integrations
APPROVED

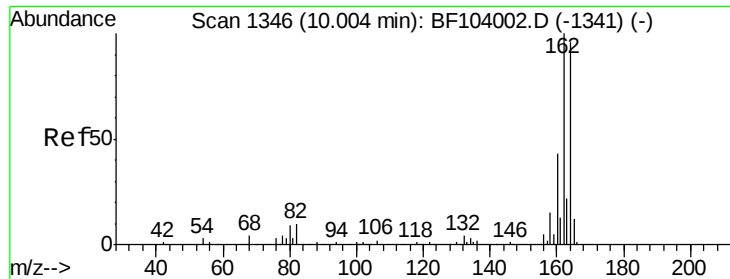
Sohil
3/29/2018 5:36:28 PM



#31
Naphthalene
Concen: 12.647 ng
RT: 8.27 min Scan# 1051
Delta R.T. -0.00 min
Lab File: BF104019.D
Acq: 28 Mar 2018 19:23

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.0	10.9	16.3





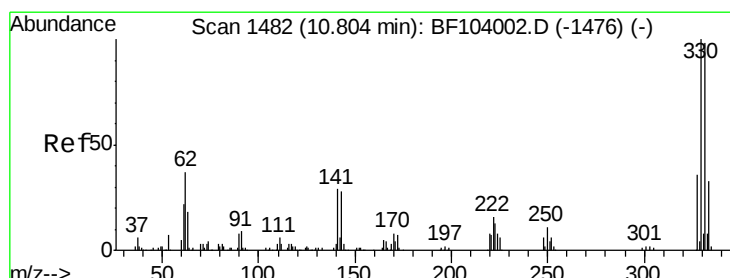
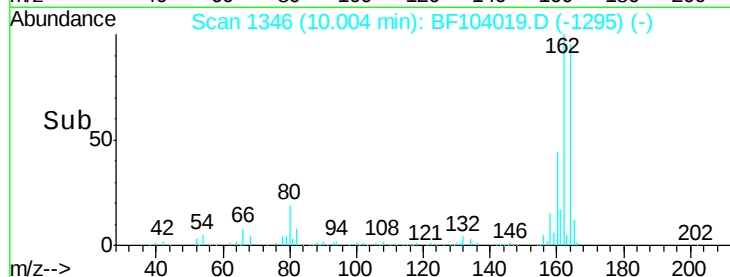
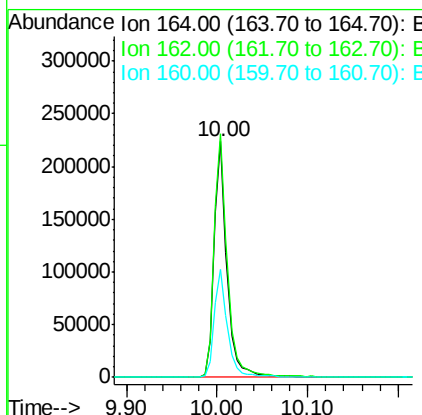
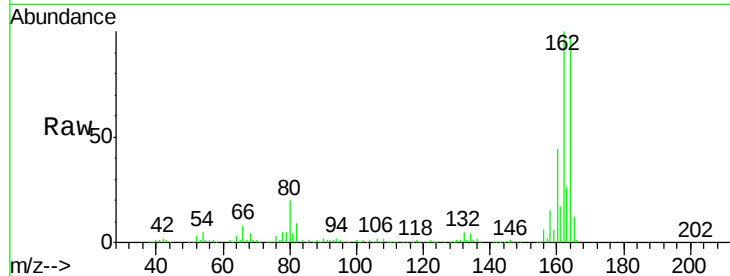
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: BF104019.D
 Acq: 28 Mar 2018 19:23

Instrument :
 BNA_F
 ClientSampleId :
 TP-8-DB

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.3	86.1	129.1	
160	45.7	38.3	57.5	

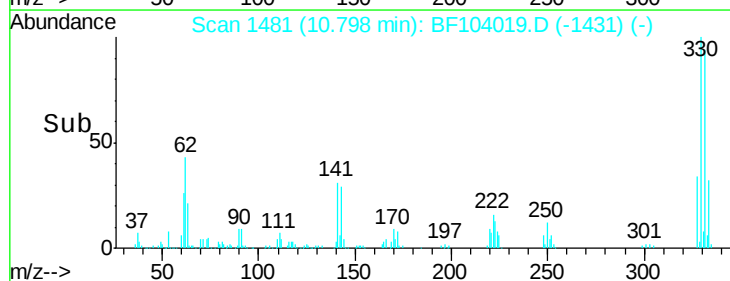
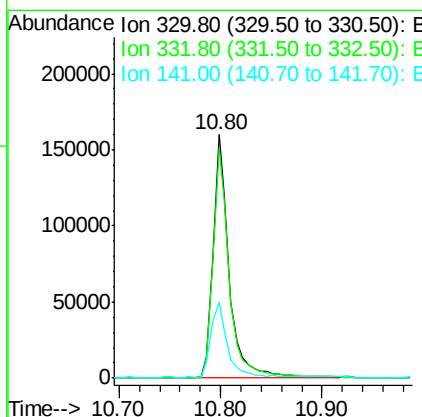
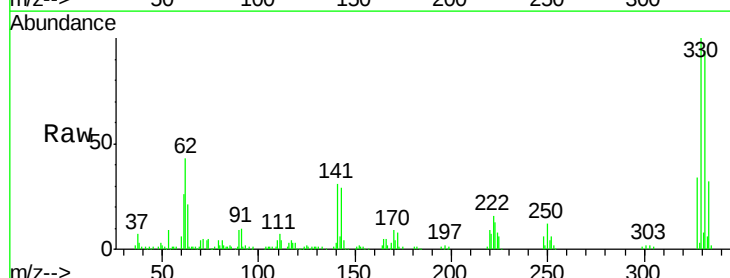
Manual Integrations
 APPROVED

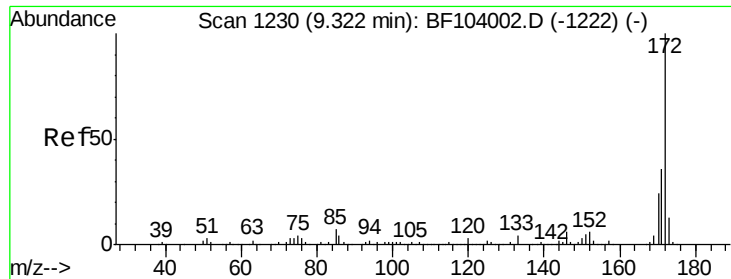
Sohil
 3/29/2018 5:36:28 PM



#41
 2,4,6-Tribromophenol
 Concen: 70.875 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: BF104019.D
 Acq: 28 Mar 2018 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.6	77.0	115.6	
141	31.1	29.9	44.9	





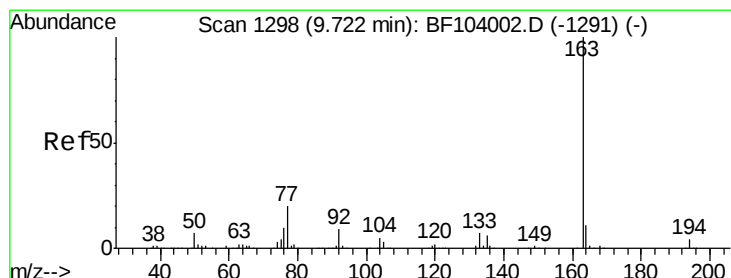
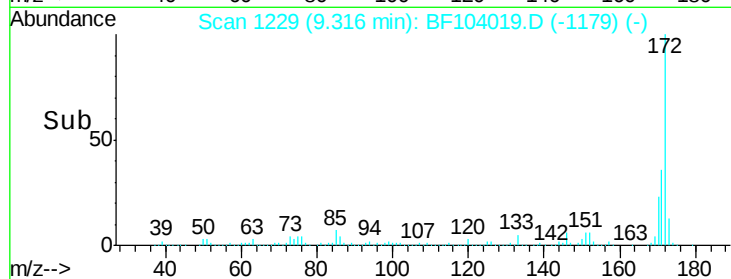
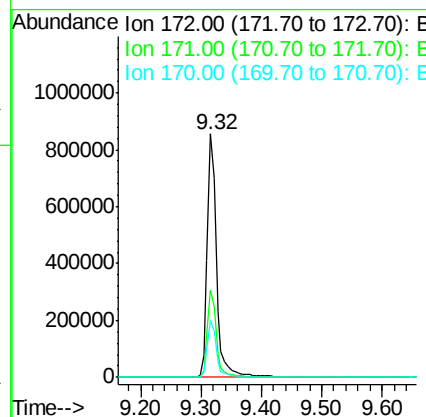
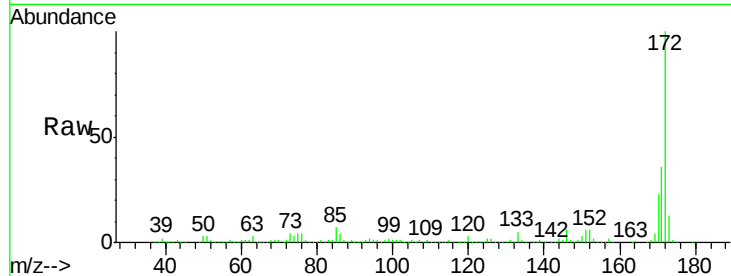
#44
2-Fluorobiphenyl
Concen: 65.187 ng
RT: 9.32 min Scan# 1229
Delta R.T. -0.01 min
Lab File: BF104019.D
Acq: 28 Mar 2018 19:23

Instrument :
BNA_F
ClientSampled :
TP-8-DB

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	23.4	19.6	29.4

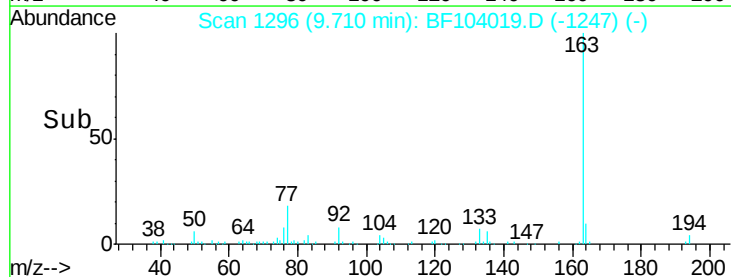
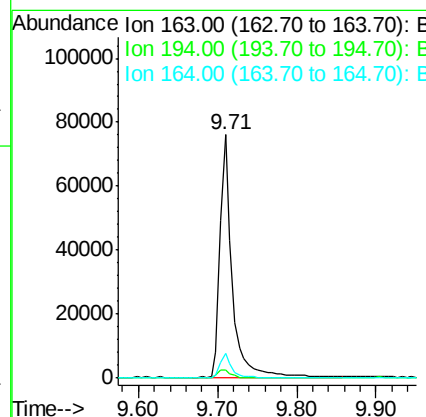
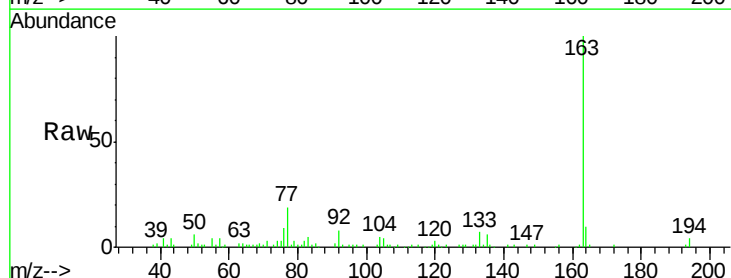
Manual Integrations
APPROVED

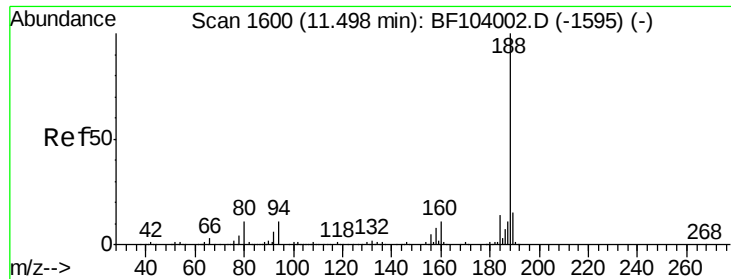
Sohil
3/29/2018 5:36:28 PM



#49
Dimethylphthalate
Concen: 4.736 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF104019.D
Acq: 28 Mar 2018 19:23

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.7	4.1
164	10.3	8.2	12.2





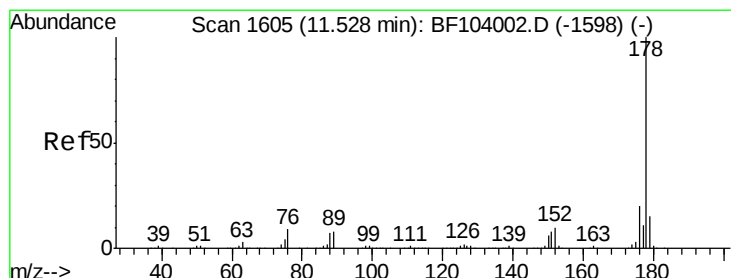
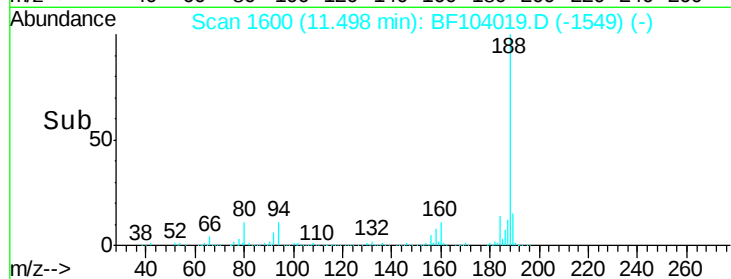
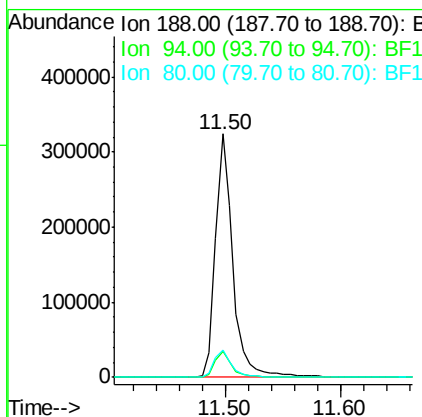
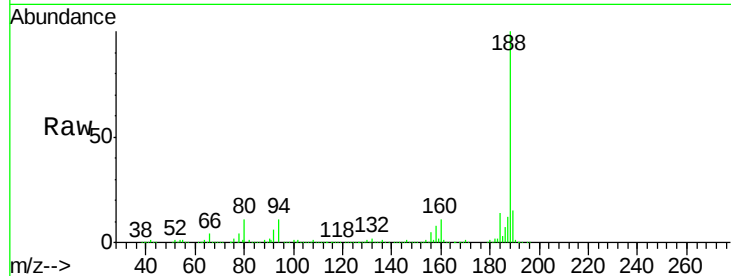
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.00 min
Lab File: BF104019.D
Acq: 28 Mar 2018 19:23

Instrument :
BNA_F
ClientSampleId :
TP-8-DB

Tot Ion	Ratio	Resp	Lower	Upper
188	100	338485		
94	10.8		8.5	12.7
80	11.3		9.2	13.8

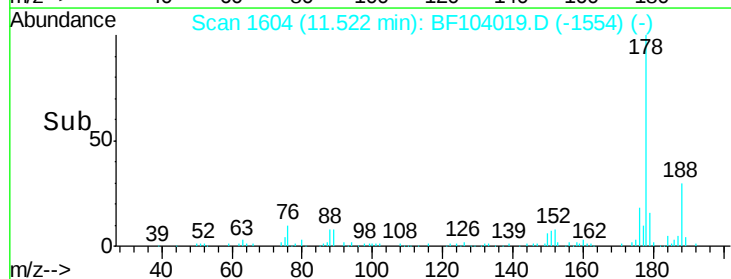
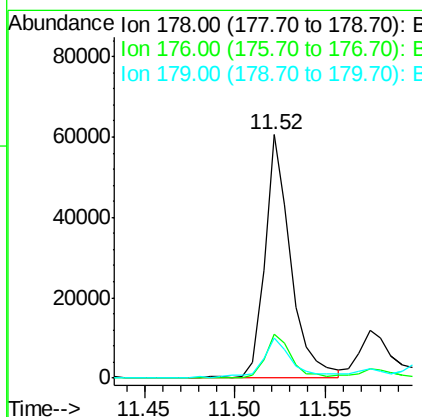
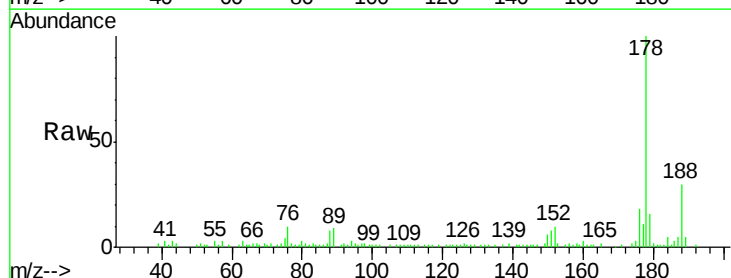
Manual Integrations
APPROVED

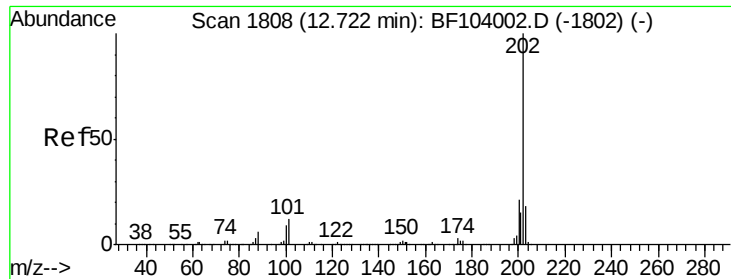
Sohil
3/29/2018 5:36:28 PM



#70
Phenanthrene
Concen: 3.278 ng
RT: 11.52 min Scan# 1604
Delta R.T. -0.01 min
Lab File: BF104019.D
Acq: 28 Mar 2018 19:23

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	60068		
176	18.2		15.8	23.8
179	16.3		13.0	19.6





#74

Fluoranthene

Concen: 5.687 ng

RT: 12.72 min Scan# 1807

Delta R.T. -0.01 min

Lab File: BF104019.D

Acq: 28 Mar 2018 19:23

Instrument :

BNA_F

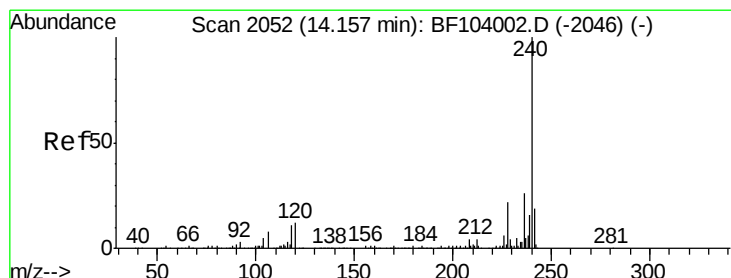
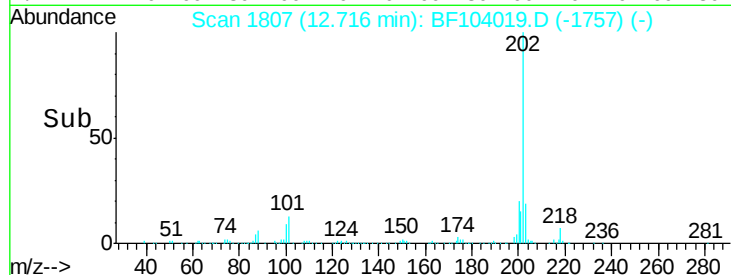
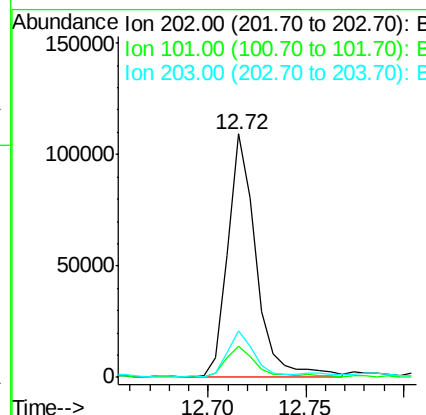
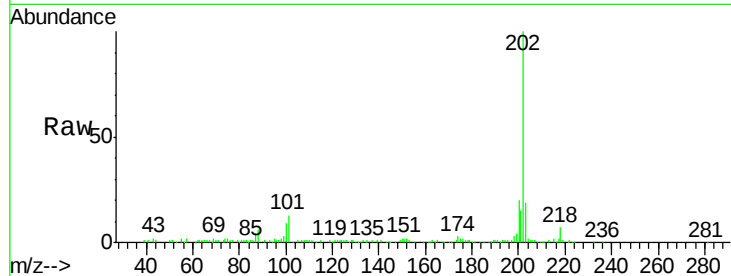
ClientSampleId :

TP-8-DB

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	12.7	0.0	34.1		
203	19.0	0.0	38.1		

Manual Integrations
APPROVED

Sohil
3/29/2018 5:36:28 PM



#75

Chrysene-d12

Concen: 20.000 ng

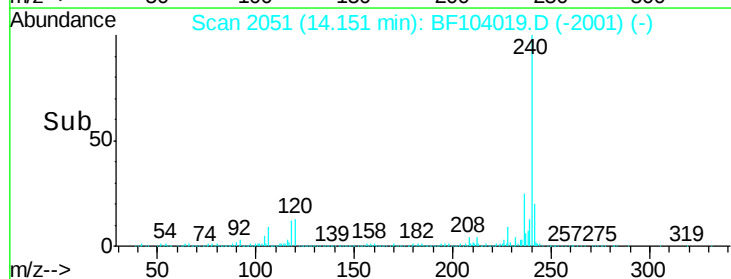
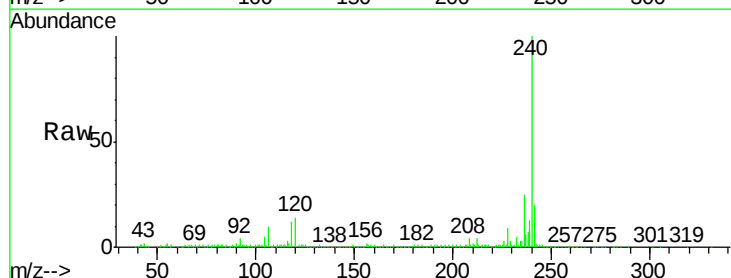
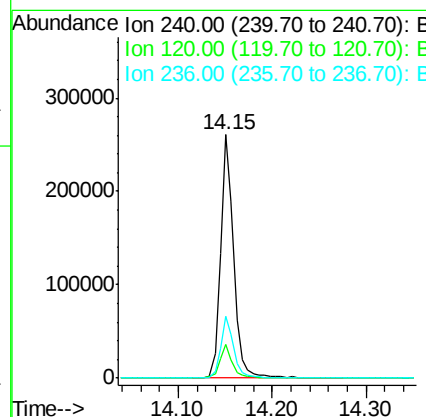
RT: 14.15 min Scan# 2051

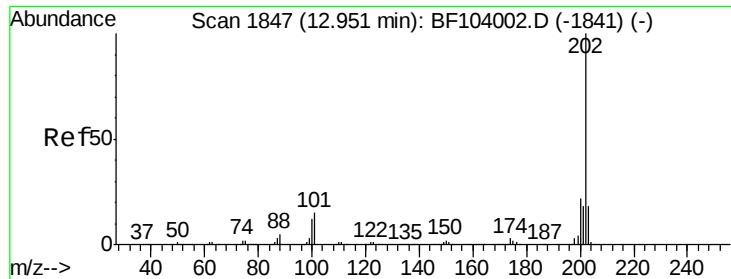
Delta R.T. -0.01 min

Lab File: BF104019.D

Acq: 28 Mar 2018 19:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	13.7	9.5	14.3		
236	25.4	20.7	31.1		





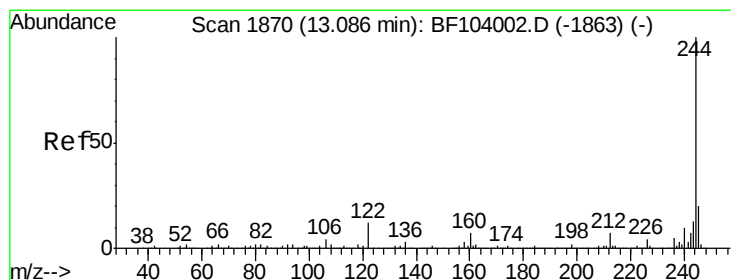
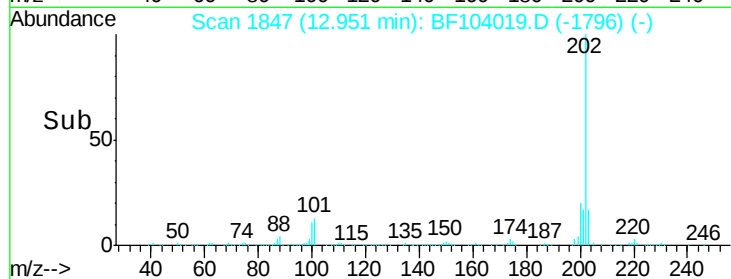
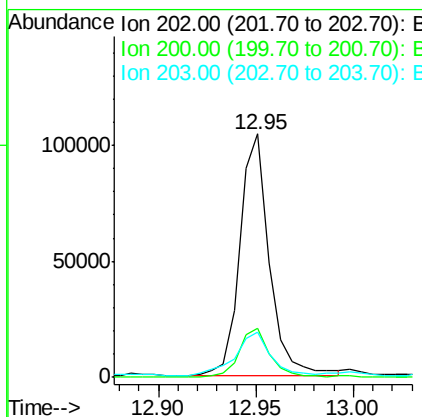
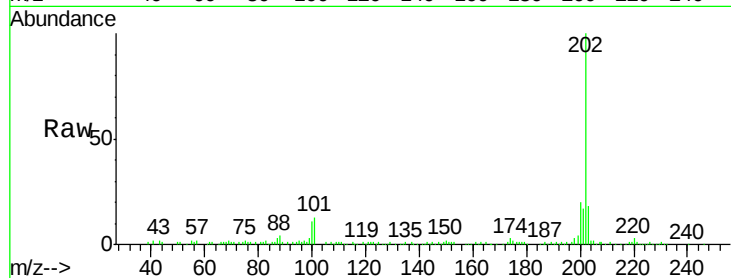
#77
Pvrene
Concen: 5.970 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.00 min
Lab File: BF104019.D
Acq: 28 Mar 2018 19:23

Instrument :
BNA_F
ClientSampleID :
TP-8-DB

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.2	17.4	26.2
203	18.4	14.3	21.5

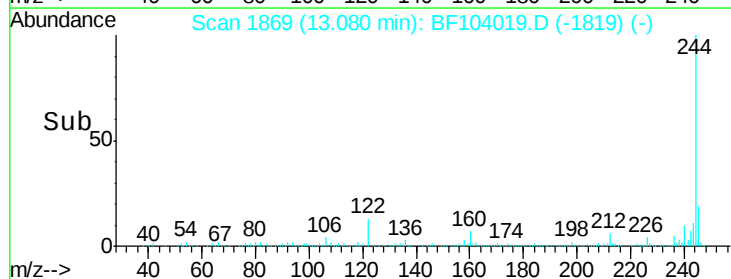
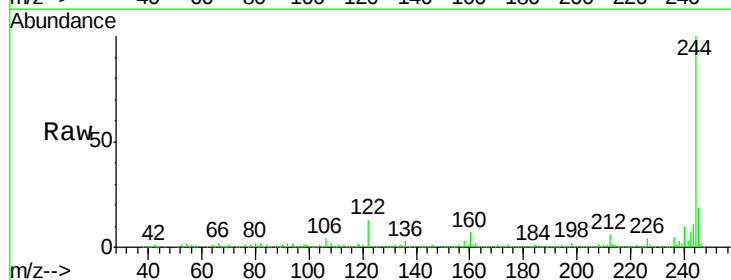
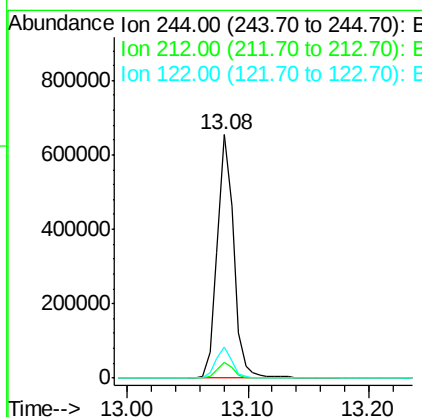
Manual Integrations
APPROVED

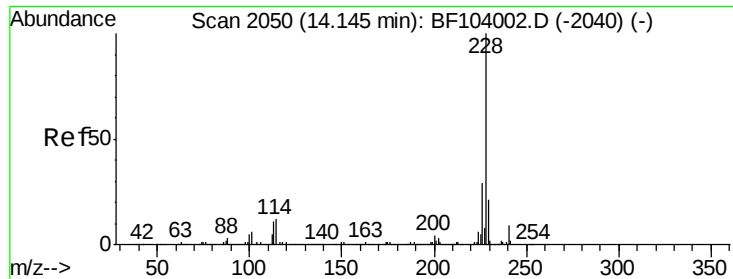
Sohil
3/29/2018 5:36:28 PM



#78
Terphenyl-d14
Concen: 54.797 ng
RT: 13.08 min Scan# 1869
Delta R.T. -0.01 min
Lab File: BF104019.D
Acq: 28 Mar 2018 19:23

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.4	5.4	8.0
122	12.8	11.0	16.4





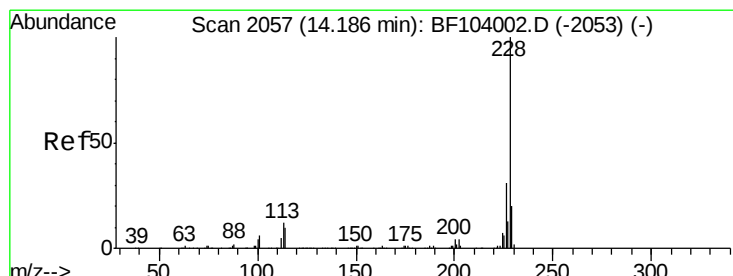
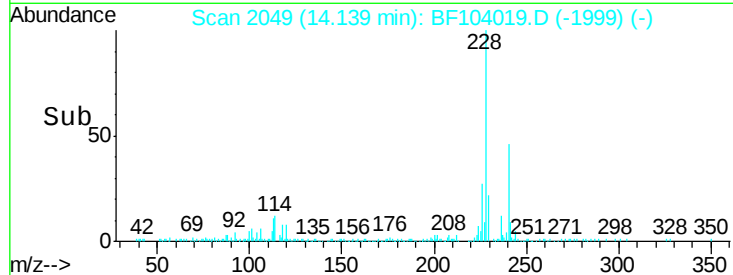
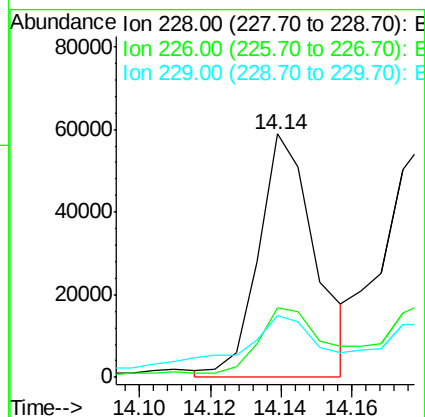
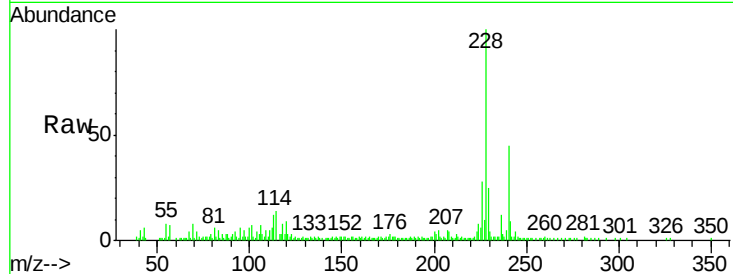
#80
Benzo(a)anthracene
Concen: 4.078 ng m
RT: 14.14 min Scan# 2049
Delta R.T. -0.01 min
Lab File: BF104019.D
Acq: 28 Mar 2018 19:23

Instrument :
BNA_F
ClientSampleId :
TP-8-DB

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	33.8
229	25.2	15.8	23.6

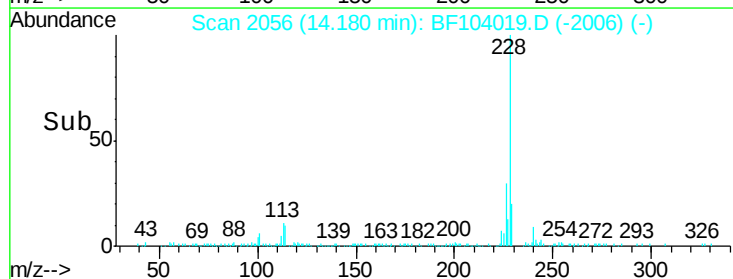
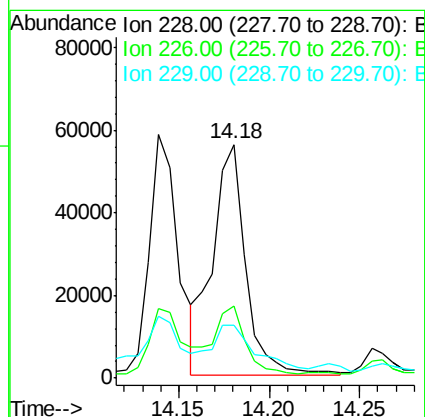
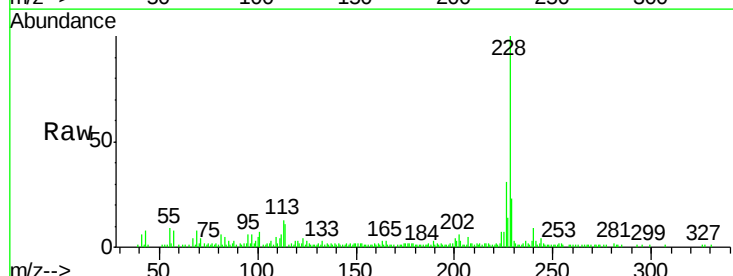
Manual Integrations
APPROVED

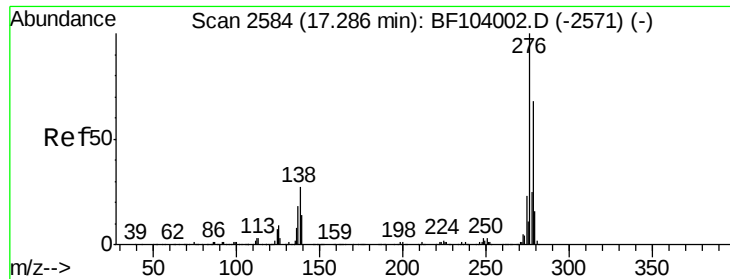
Sohil
3/29/2018 5:36:28 PM



#82
Chrysene
Concen: 4.536 ng
RT: 14.18 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BF104019.D
Acq: 28 Mar 2018 19:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	22.6	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.112 ng

RT: 17.28 min Scan# 2583

Delta R.T. -0.01 min

Lab File: BF104019.D

Acq: 28 Mar 2018 19:23

Instrument :

BNA_F

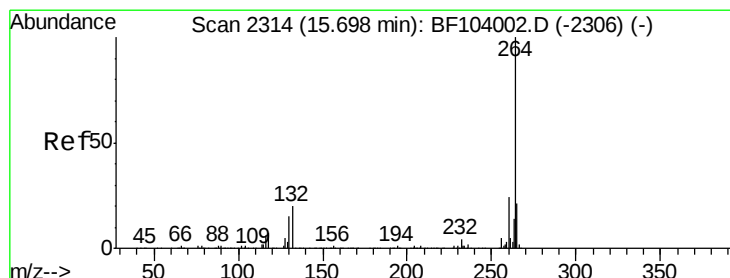
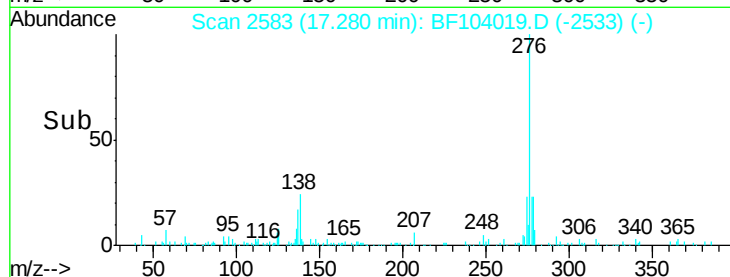
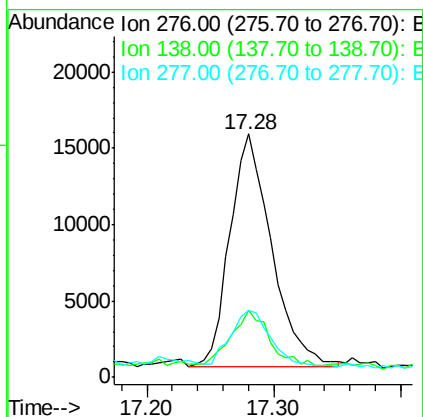
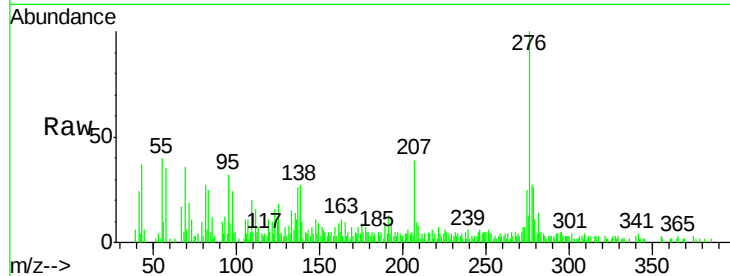
ClientSampleId :

TP-8-DB

Tot Ion:	276	Resp:	34626
Ion Ratio	Lower	Upper	
276	100		
138	21.8	25.0	37.6#
277	24.0	20.1	30.1

Manual Integrations
APPROVED

Sohil
3/29/2018 5:36:28 PM



#86

Perylene-d12

Concen: 20.000 ng

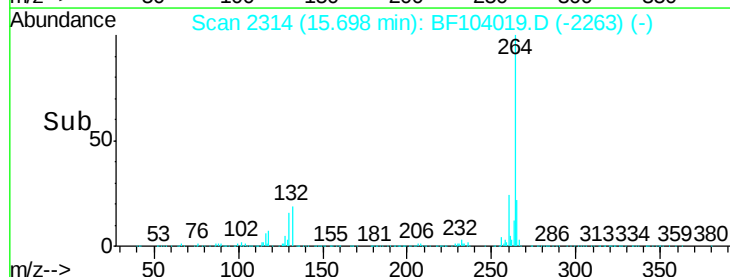
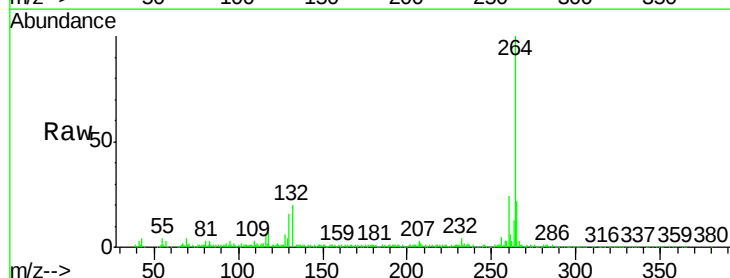
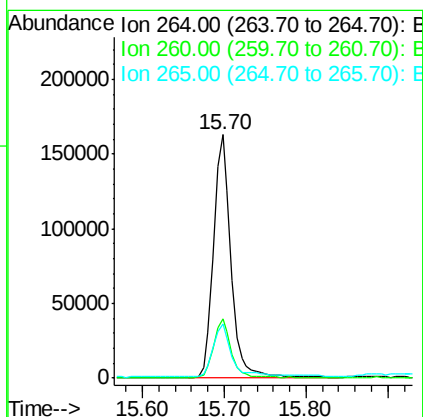
RT: 15.70 min Scan# 2314

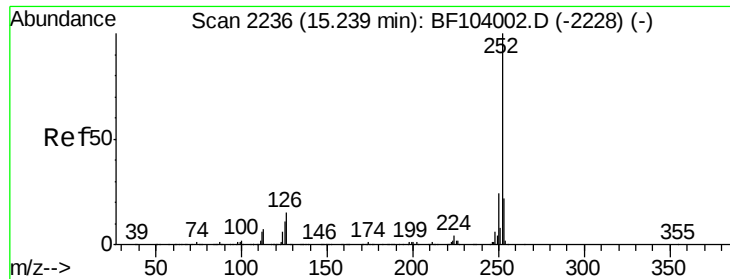
Delta R.T. -0.00 min

Lab File: BF104019.D

Acq: 28 Mar 2018 19:23

Tgt Ion:	264	Resp:	240412
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.2	28.8
265	22.2	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 6.005 ng m

RT: 15.23 min Scan# 2235

Delta R.T. -0.01 min

Lab File: BF104019.D

Acq: 28 Mar 2018 19:23

Instrument :

BNA_F

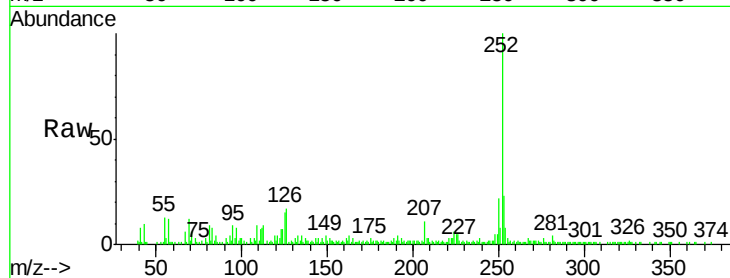
ClientSampleId :

TP-8-DB

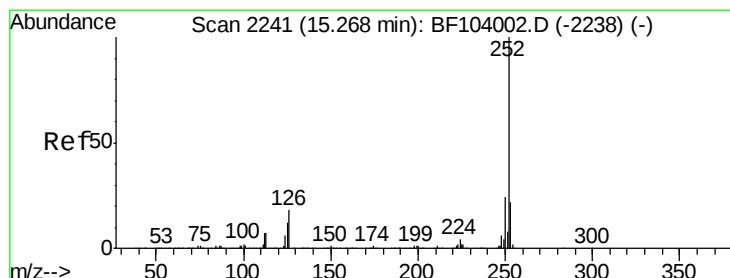
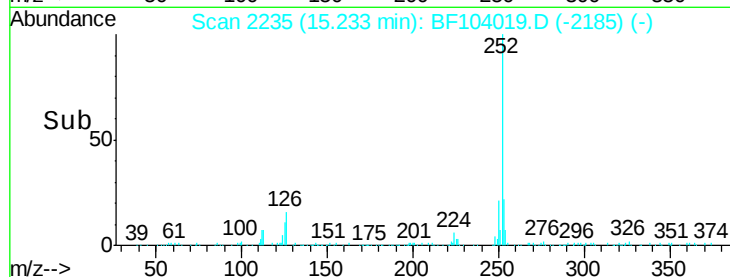
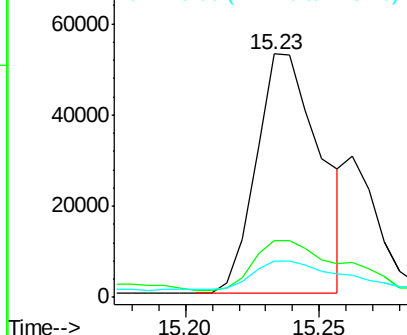
Tot Ion:	252	Resp:	87862
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.0	25.6
125	15.0	9.0	13.6#

Manual Integrations
APPROVED

Sohil
3/29/2018 5:36:28 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



#88

Benzo(k)fluoranthene

Concen: 2.006 ng m

RT: 15.26 min Scan# 2240

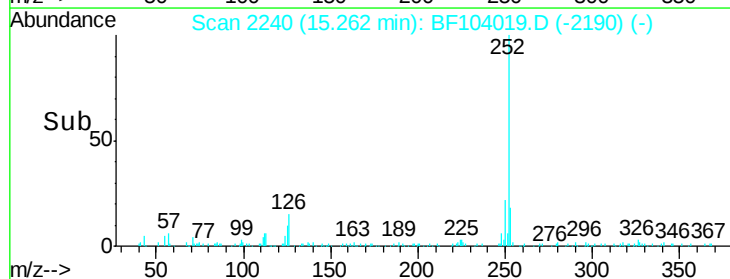
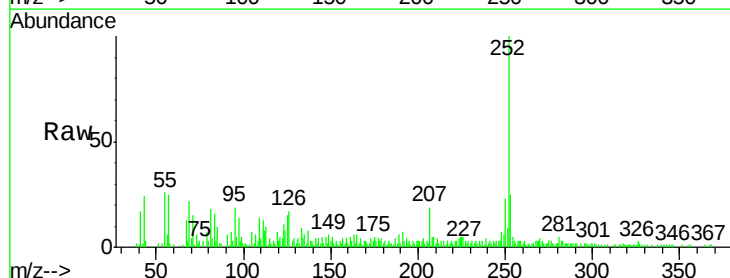
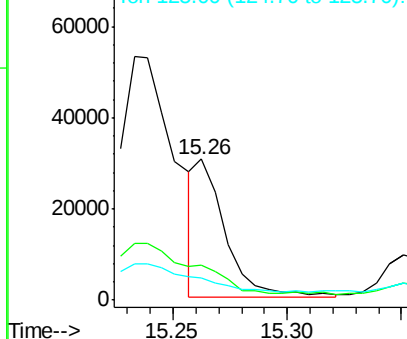
Delta R.T. -0.01 min

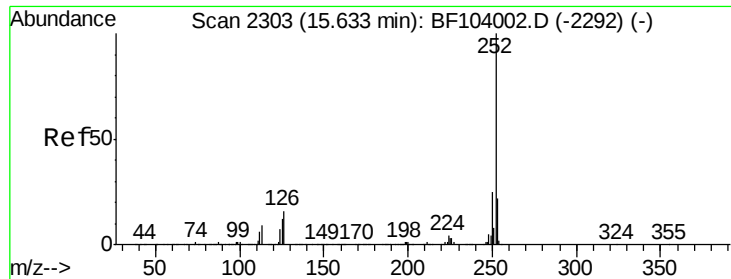
Lab File: BF104019.D

Acq: 28 Mar 2018 19:23

Tgt Ion:	252	Resp:	27642
Ion Ratio	Lower	Upper	
252	100		
253	25.1	17.9	26.9
125	15.4	10.2	15.2#

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





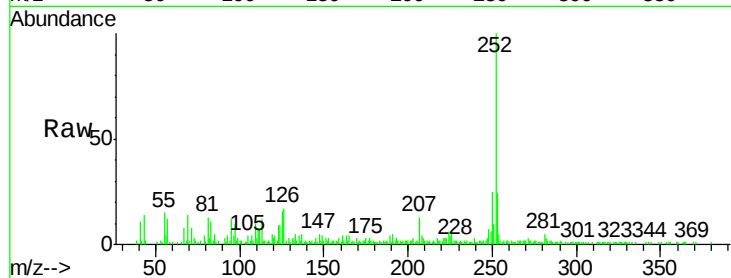
#89
Benzo(a)pyrene
Concen: 4.645 ng
RT: 15.63 min Scan# 2302
Delta R.T. -0.01 min
Lab File: BF104019.D
Acq: 28 Mar 2018 19:23

Instrument :
BNA_F
ClientSampleId :
TP-8-DB

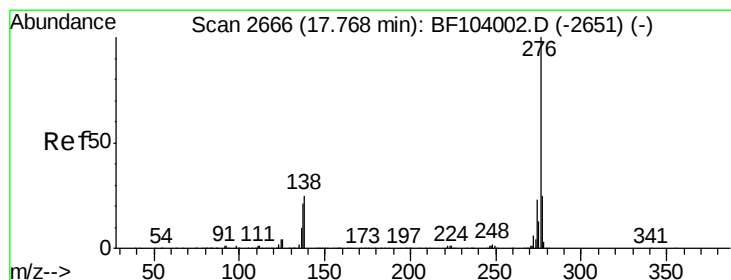
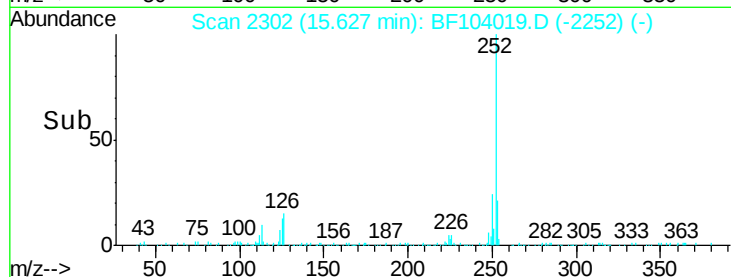
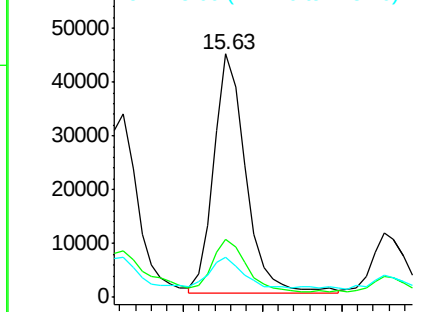
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	16.2	9.8	14.6

Manual Integrations
APPROVED

Sohil
3/29/2018 5:36:28 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: 2.823 ng
RT: 17.77 min Scan# 2666
Delta R.T. -0.00 min
Lab File: BF104019.D
Acq: 28 Mar 2018 19:23

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.1	17.9	26.9
138	25.5	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

