

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041318\
 Data File : BF104478.D
 Acq On : 13 Apr 2018 15:07
 Operator : JU/SJ
 Sample : J2348-09
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 281

Manual Integrations
 APPROVED

Sohil
 4/16/2018 3:10:06 PM

Quant Time: Apr 13 17:58:34 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	130595	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	535283	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	247792	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	425267	20.00	ng	0.00
75) Chrysene-d12	13.99	240	272464	20.00	ng	0.00
86) Perylene-d12	15.45	264	248528	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1068958	125.16	ng	0.00
7) Phenol-d6	6.45	99	1327857	126.54	ng	0.00
23) Nitrobenzene-d5	7.38	82	840173	102.49	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	332698	129.43	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1293122	82.44	ng	0.00
78) Terphenyl-d14	12.93	244	1127934	94.38	ng	0.00
Target Compounds						
10) Phenol	6.46	94	53717	4.824	ng	96
49) Dimethylphthalate	9.56	163	211350	10.816	ng	99
70) Phenanthrene	11.36	178	328928	13.889	ng	99
71) Anthracene	11.42	178	112820	4.686	ng	98
74) Fluoranthene	12.56	202	469248	18.964	ng	96
77) Pyrene	12.79	202	382816	18.955	ng	99
80) Benzo(a)anthracene	13.97	228	204530	12.565	ng	99
82) Chrysene	14.01	228	160927	9.625	ng	97
85) Indeno(1,2,3-cd)pyrene	16.90	276	74728	5.262	ng	# 91
87) Benzo(b)fluoranthene	15.03	252	190775m	12.154	ng	
88) Benzo(k)fluoranthene	15.05	252	56799m	3.833	ng	
89) Benzo(a)pyrene	15.39	252	132536	9.437	ng	95
91) Benzo(a,h,i)perylene	17.34	276	61690	5.520	ng	97

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

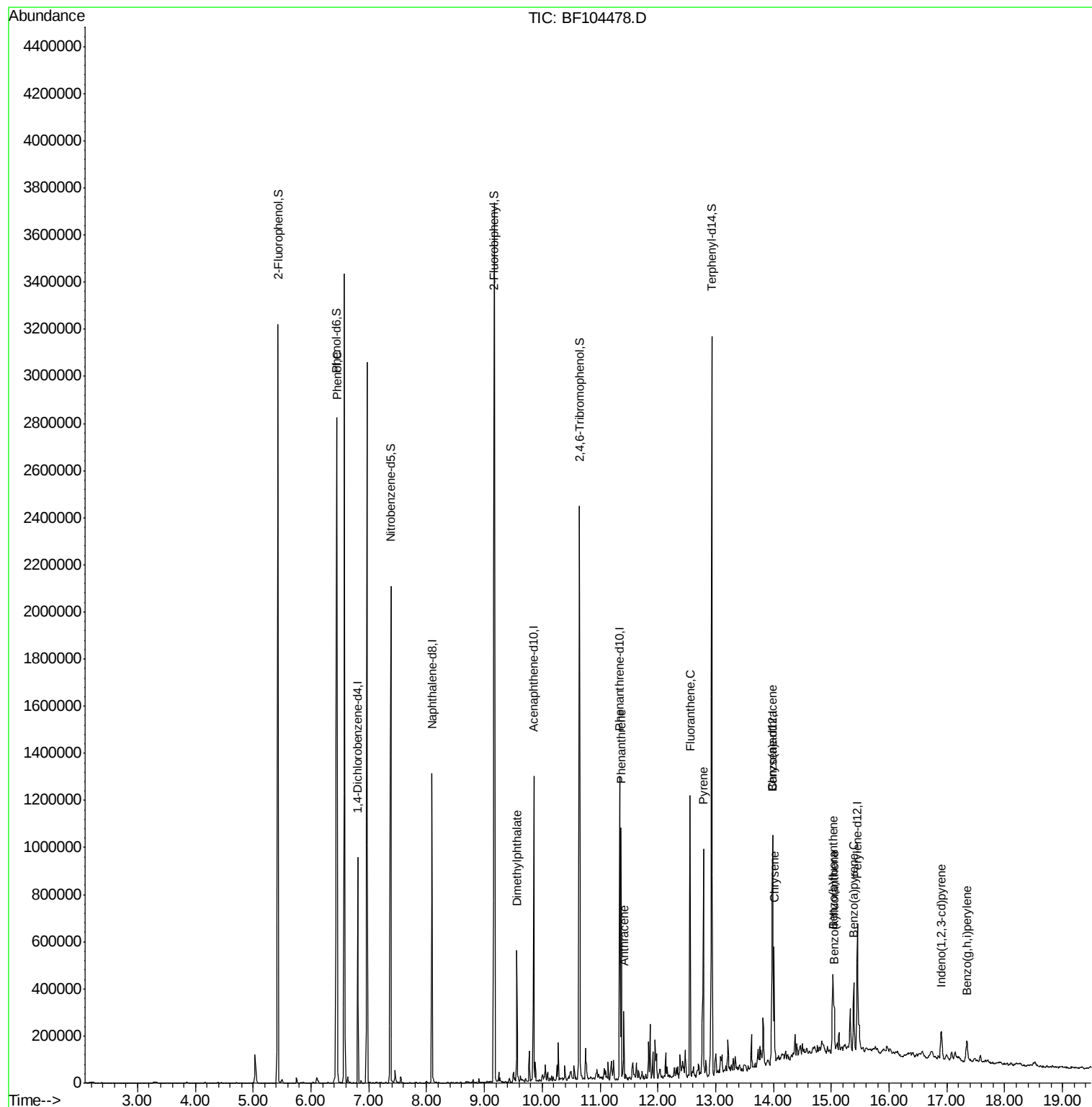
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041318\
Data File : BF104478.D
Acq On : 13 Apr 2018 15:07
Operator : JU/SJ
Sample : J2348-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
281

Manual Integrations
APPROVED

Sohil
4/16/2018 3:10:06 PM

Quant Time: Apr 13 17:58:34 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

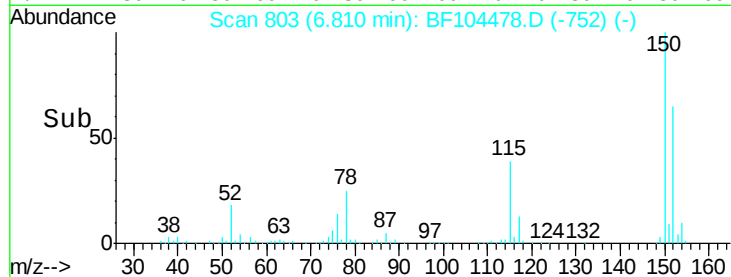
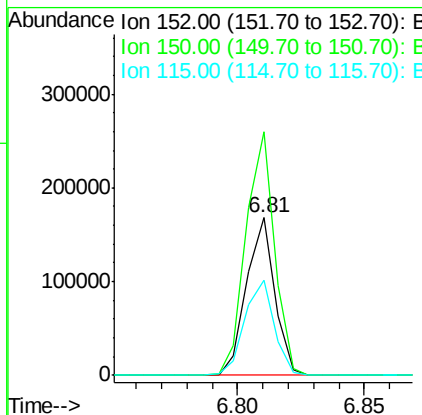
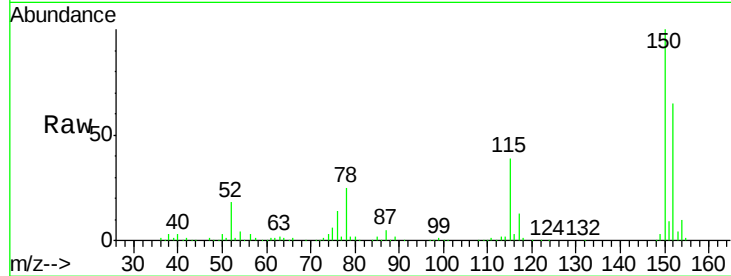
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF104478.D
Acq: 13 Apr 2018 15:07

Instrument :
BNA_F
ClientSampleId :
281

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	124.6	186.8
115	60.1	50.1	75.1

Manual Integrations
APPROVED

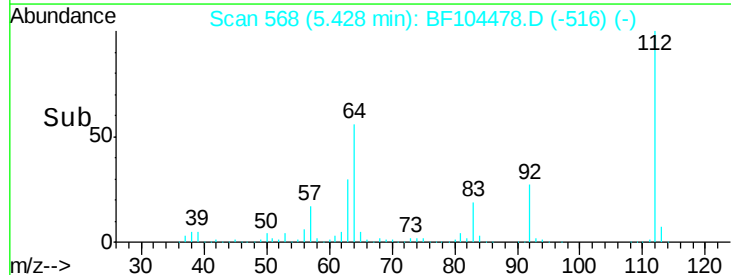
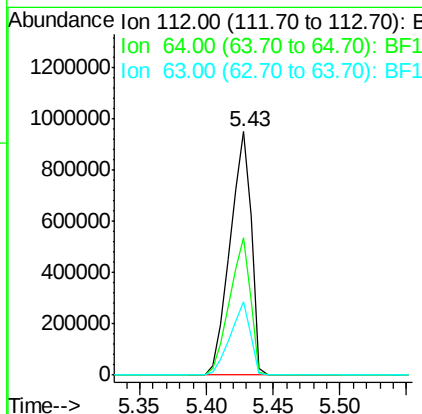
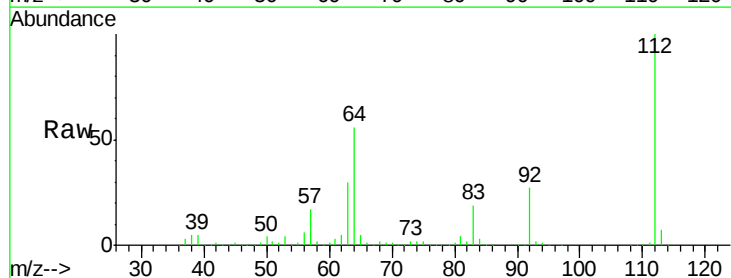
Sohil
4/16/2018 3:10:06 PM

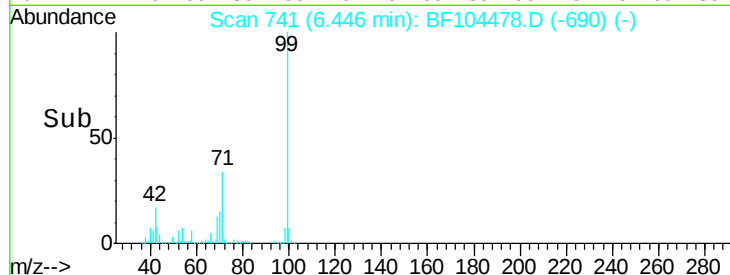
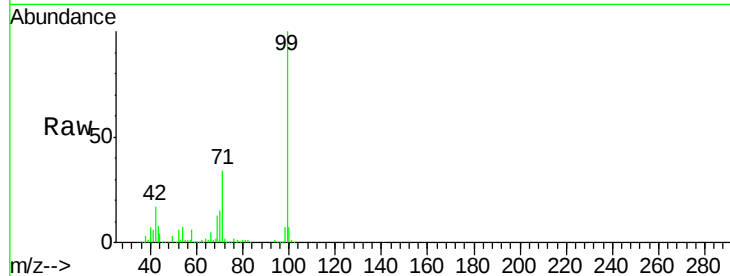


#5

2-Fluorophenol
Concen: 125.158 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104478.D
Acq: 13 Apr 2018 15:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	47.9	71.9
63	29.9	23.7	35.5





#7

Phenol-d6

Concen: 126.535 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF104478.D

Acq: 13 Apr 2018 15:07

Tot Ion:	99	Resp:	1327857
Ion	Ratio	Lower	Upper
99	100		
42	16.7	14.5	21.7
71	34.3	25.4	38.0

Instrument :

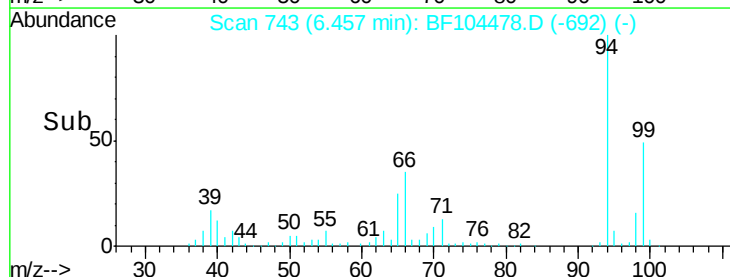
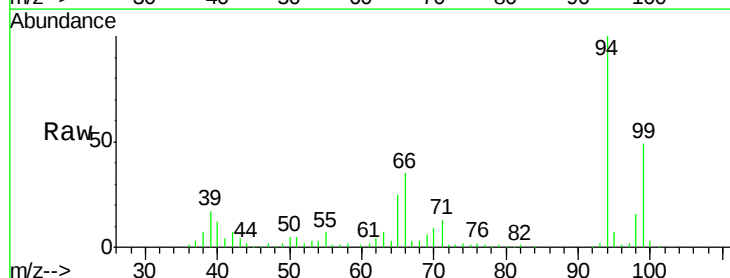
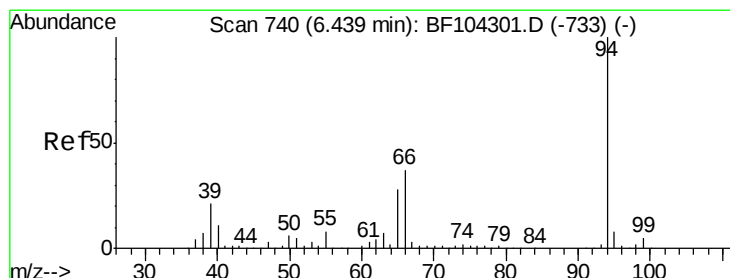
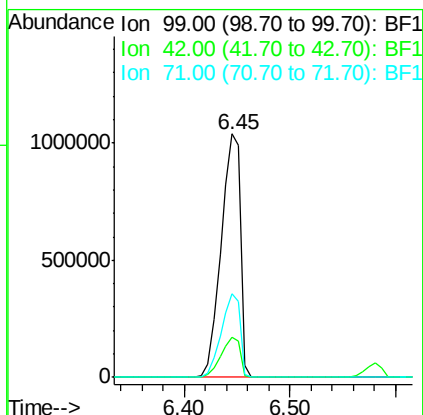
BNA_F

ClientSampled :

281

Manual Integrations
APPROVED

Sohil
4/16/2018 3:10:06 PM



#10

Phenol

Concen: 4.824 ng

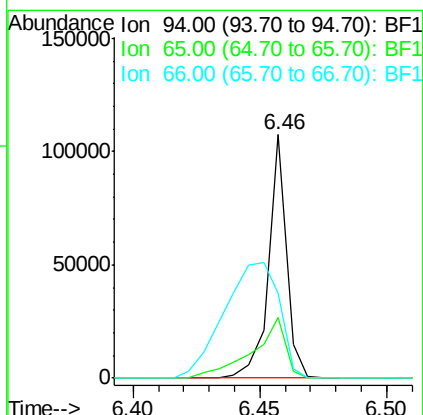
RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF104478.D

Acq: 13 Apr 2018 15:07

Tgt Ion:	94	Resp:	53717
Ion	Ratio	Lower	Upper
94	100		
65	25.1	7.9	47.9
66	34.6	16.2	56.2





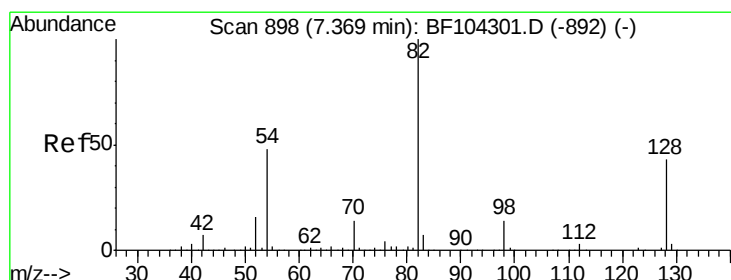
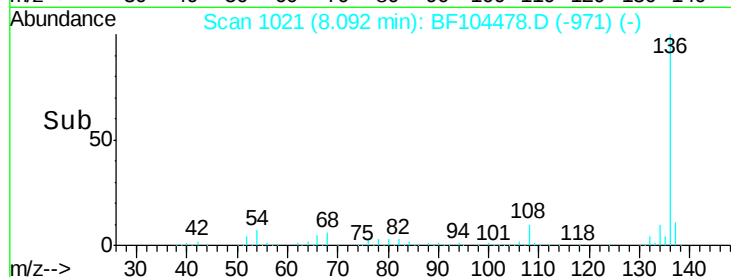
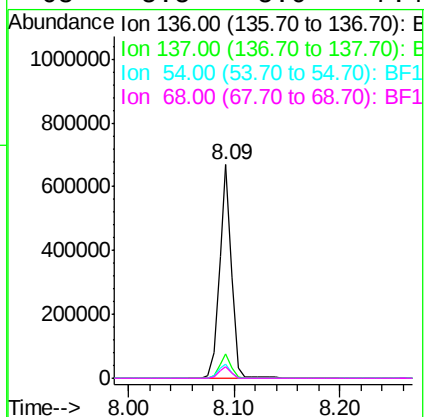
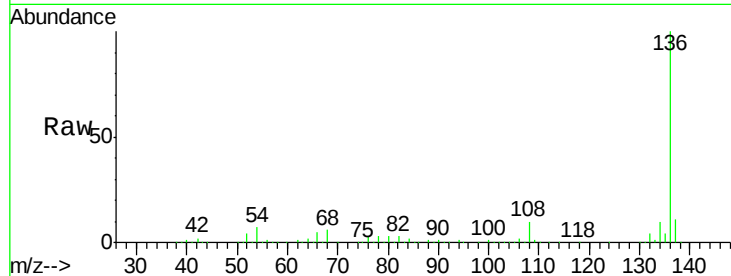
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF104478.D
Acq: 13 Apr 2018 15:07

Instrument :
BNA_F
ClientSampled :
281

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		535283		
137	11.2	8.9	13.3		
54	6.9	6.6	9.8		
68	5.5	5.0	7.4		

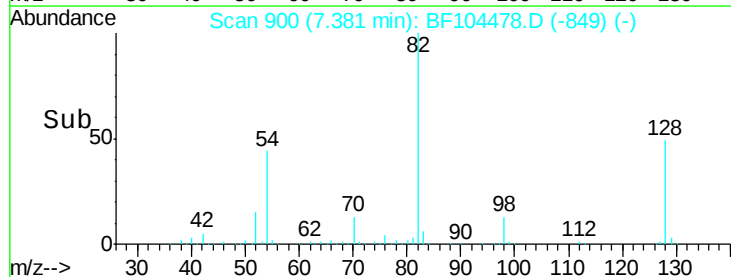
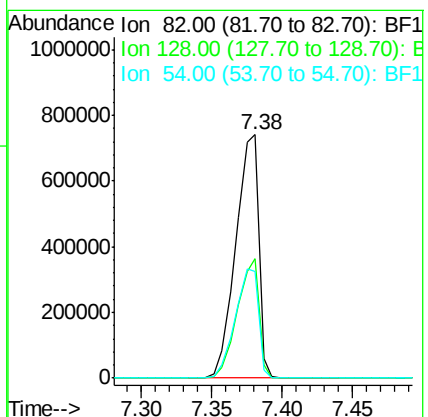
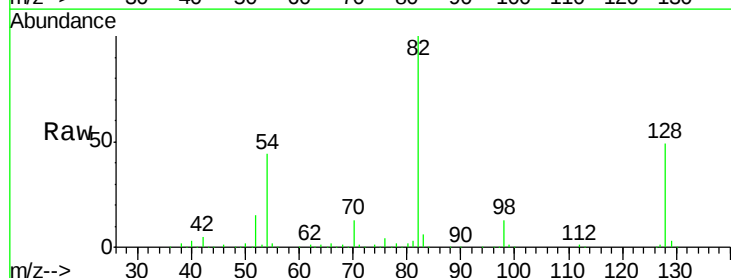
Manual Integrations
APPROVED

Sohil
4/16/2018 3:10:06 PM



#23
Nitrobenzene-d5
Concen: 102.491 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.00 min
Lab File: BF104478.D
Acq: 13 Apr 2018 15:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		840173		
128	48.8	36.1	54.1		
54	43.7	41.4	62.2		





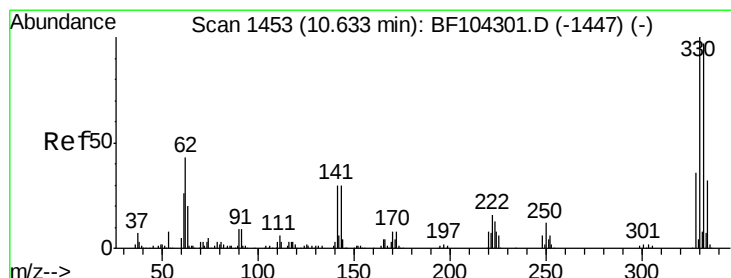
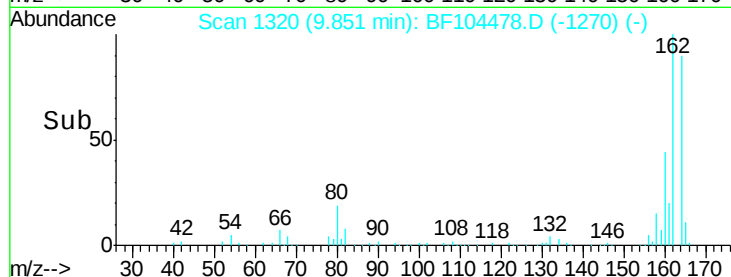
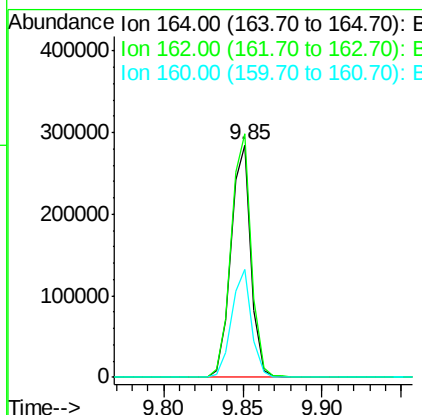
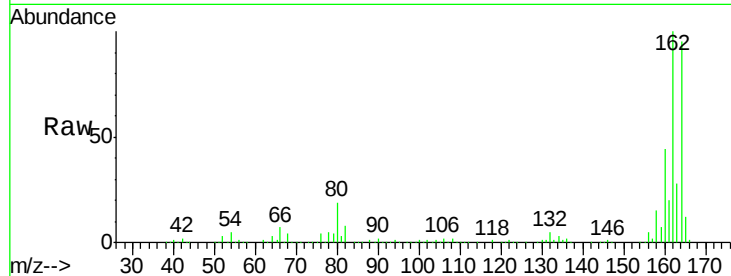
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF104478.D
Acq: 13 Apr 2018 15:07

Instrument :
BNA_F
ClientSampleId :
281

Tot Ion	Ratio	Resp	Lower	Upper
164	100	247792		
162	104.8	86.1	129.1	
160	46.2	38.3	57.5	

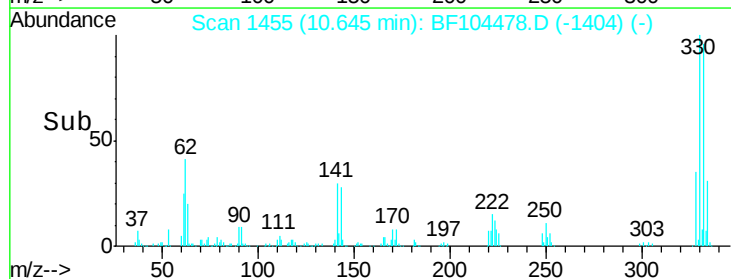
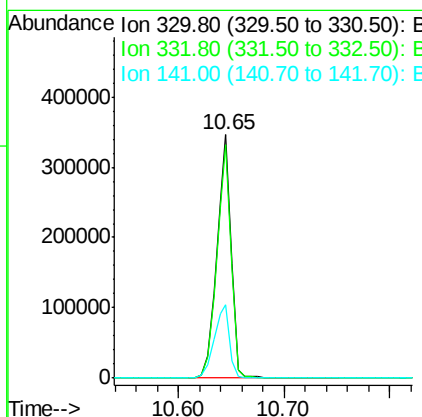
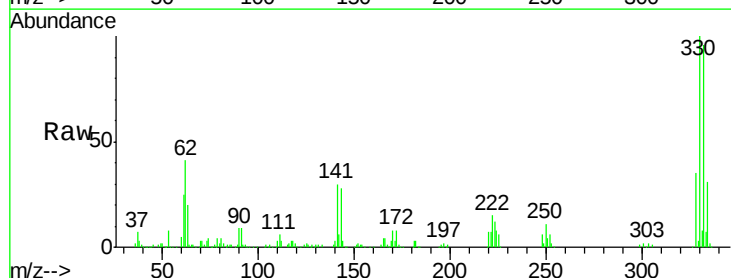
Manual Integrations
APPROVED

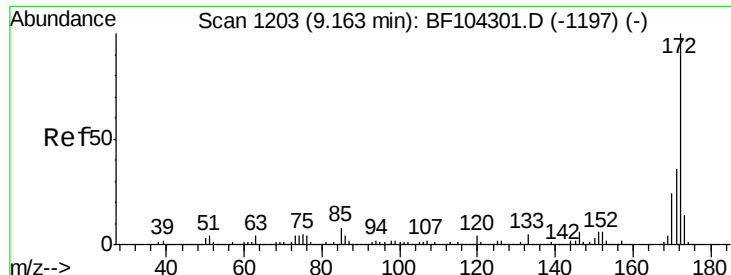
Sohil
4/16/2018 3:10:06 PM



#41
2,4,6-Tribromophenol
Concen: 129.434 ng
RT: 10.65 min Scan# 1455
Delta R.T. 0.00 min
Lab File: BF104478.D
Acq: 13 Apr 2018 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	332698		
332	95.8	77.0	115.6	
141	32.4	29.9	44.9	





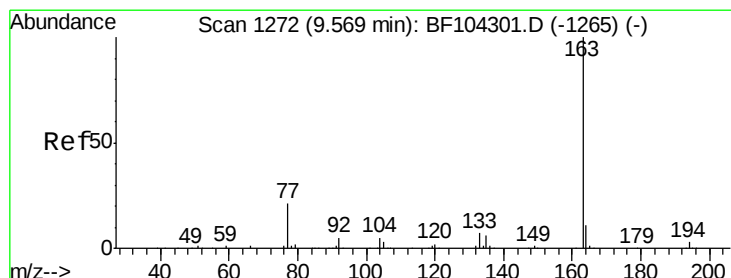
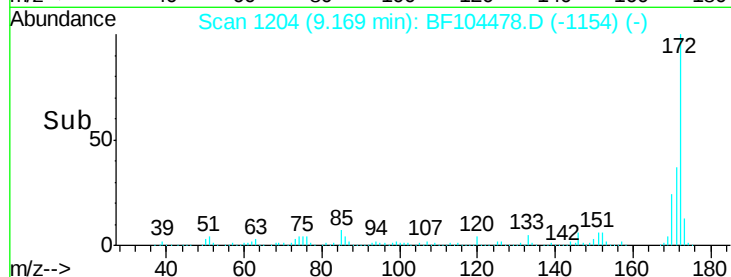
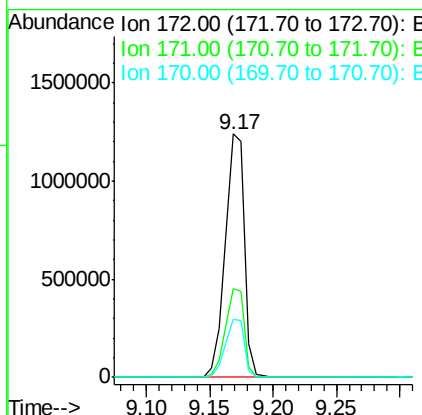
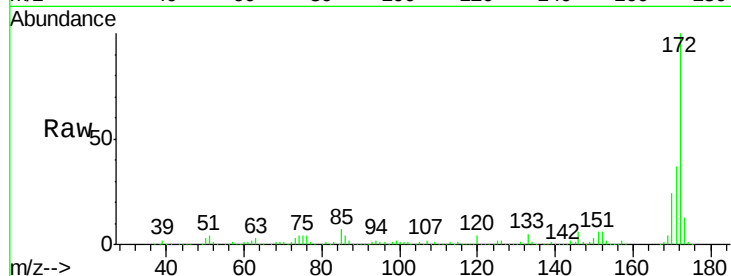
#44
2-Fluorobiphenyl
Concen: 82.441 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF104478.D
Acq: 13 Apr 2018 15:07

Instrument :
BNA_F
ClientSampleId :
281

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	24.0	19.6	29.4

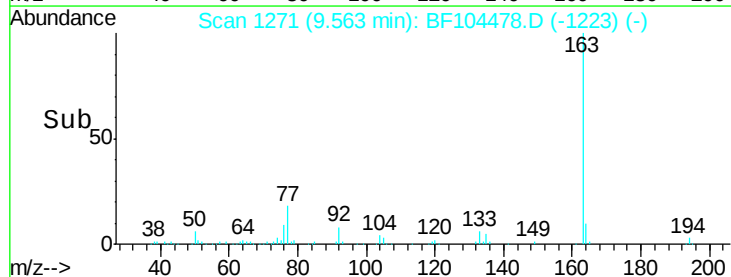
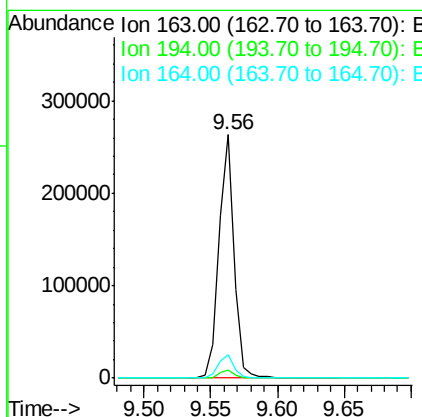
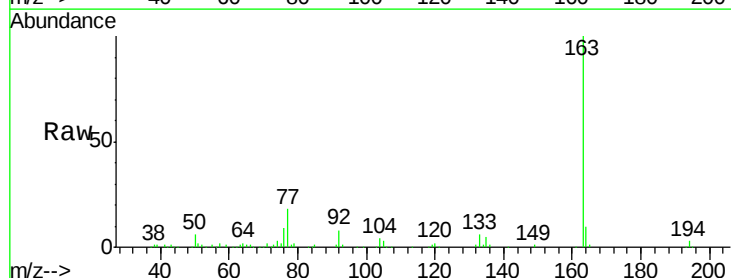
Manual Integrations
APPROVED

Sohil
4/16/2018 3:10:06 PM



#49
Dimethylphthalate
Concen: 10.816 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF104478.D
Acq: 13 Apr 2018 15:07

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.7	4.1
164	9.7	8.2	12.2





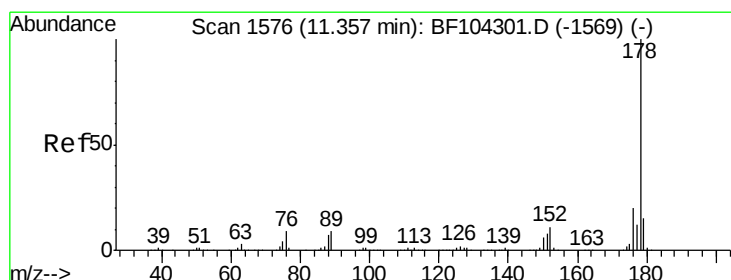
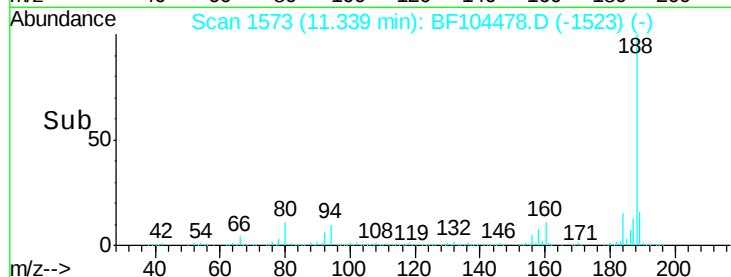
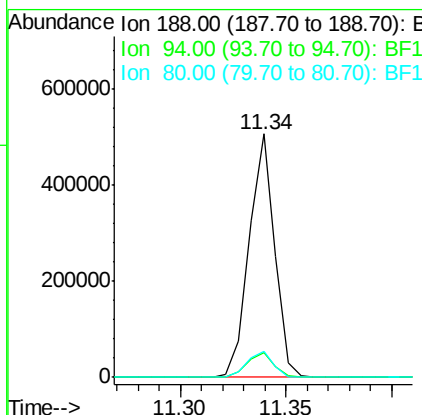
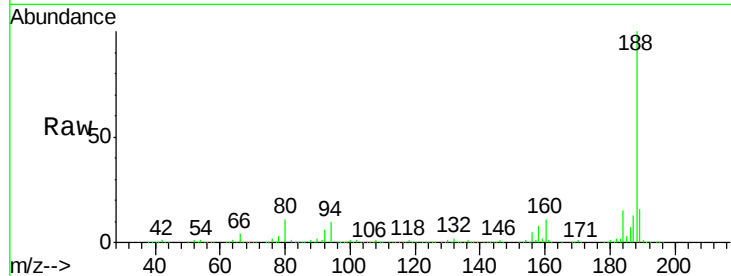
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF104478.D
Acq: 13 Apr 2018 15:07

Instrument :
BNA_F
ClientSampleId :
281

Tot Ion	Ratio	Resp	Lower	Upper
188	100	425267		
94	10.4		8.5	12.7
80	10.8		9.2	13.8

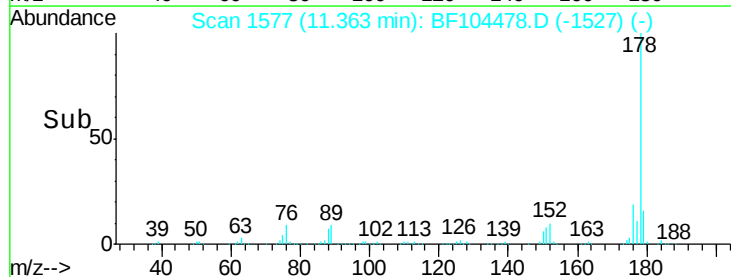
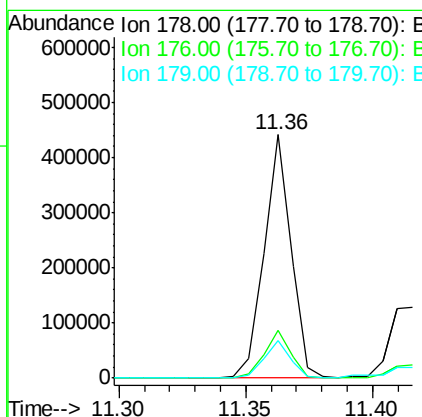
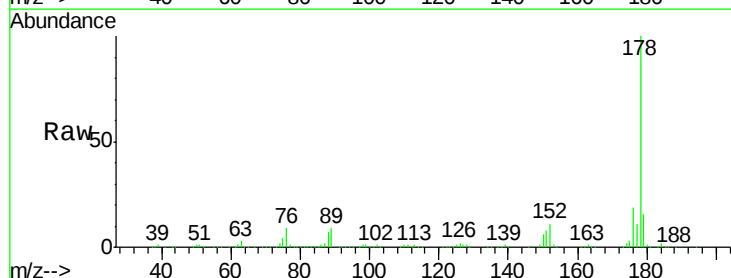
Manual Integrations
APPROVED

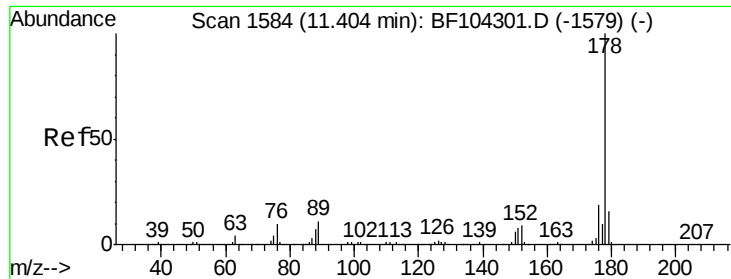
Sohil
4/16/2018 3:10:06 PM



#70
Phenanthrene
Concen: 13.889 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF104478.D
Acq: 13 Apr 2018 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	328928		
176	19.5		15.8	23.8
179	15.6		13.0	19.6





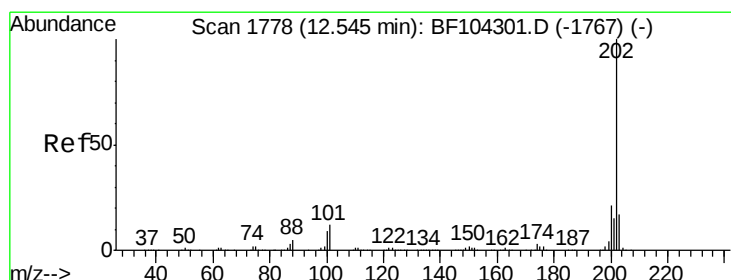
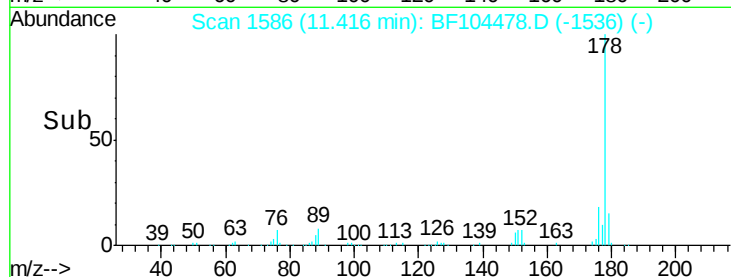
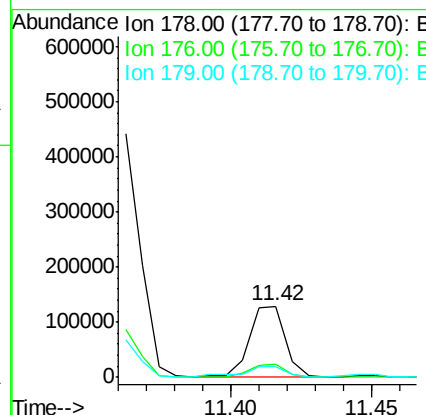
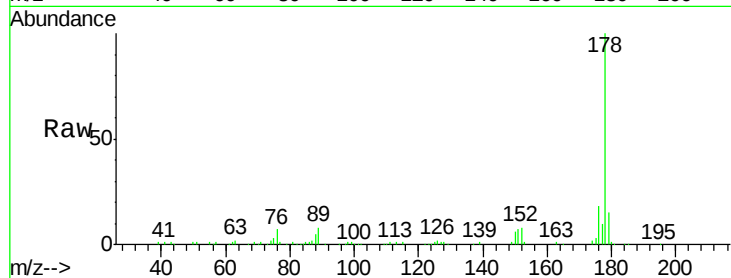
#71
 Anthracene
 Concen: 4.686 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: BF104478.D
 Acq: 13 Apr 2018 15:07

Instrument :
 BNA_F
 ClientSampled :
 281

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	15.2	12.6	19.0

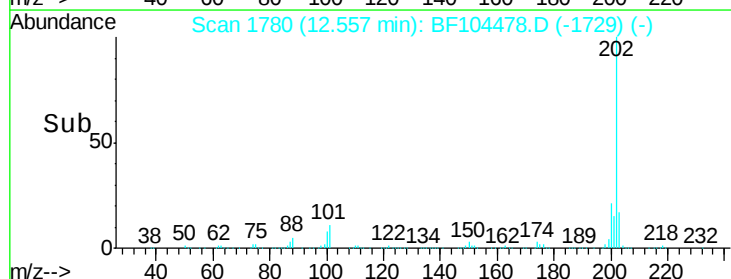
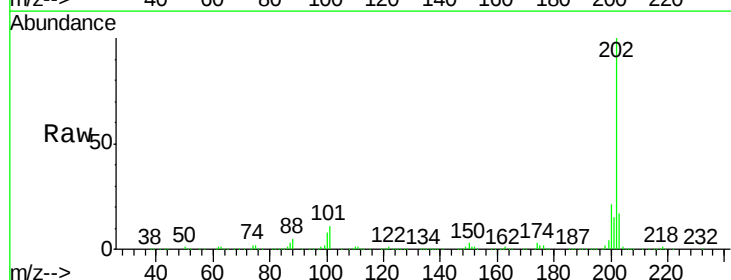
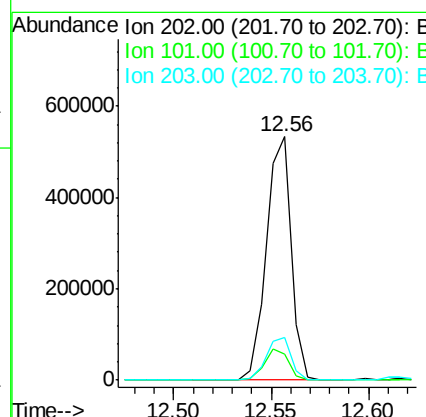
Manual Integrations
 APPROVED

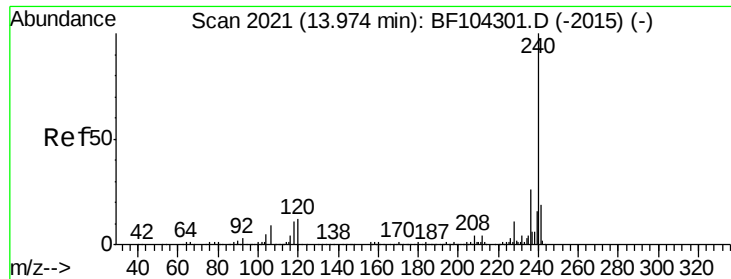
Sohil
 4/16/2018 3:10:06 PM



#74
 Fluoranthene
 Concen: 18.964 ng
 RT: 12.56 min Scan# 1780
 Delta R.T. 0.00 min
 Lab File: BF104478.D
 Acq: 13 Apr 2018 15:07

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	34.1
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF104478.D

Acq: 13 Apr 2018 15:07

Instrument :

BNA_F

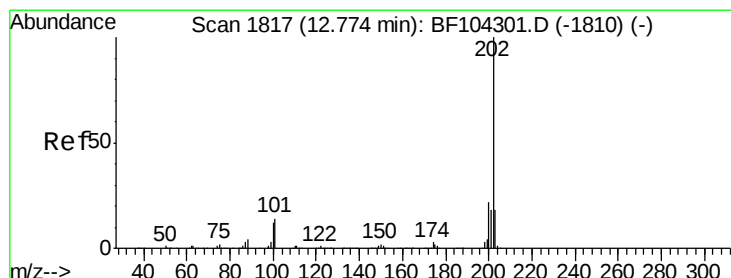
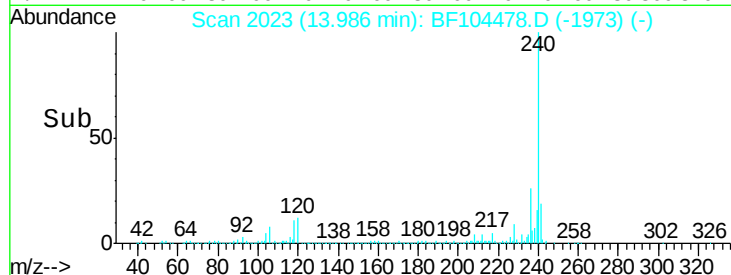
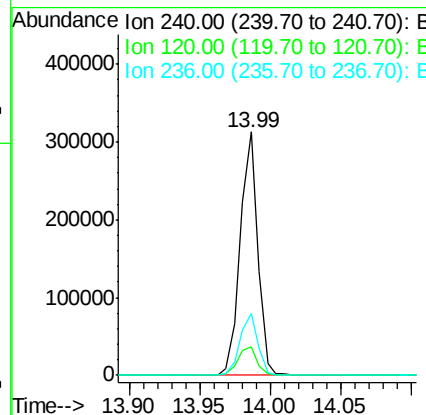
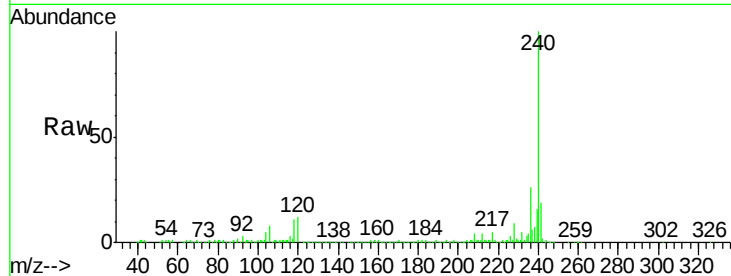
ClientSampled :

281

Tot Ion:	240	Resp:	272464
Ion Ratio	Lower	Upper	
240	100		
120	11.7	9.5	14.3
236	25.5	20.7	31.1

Manual Integrations
APPROVED

Sohil
4/16/2018 3:10:06 PM



#77

Pyrene

Concen: 18.955 ng

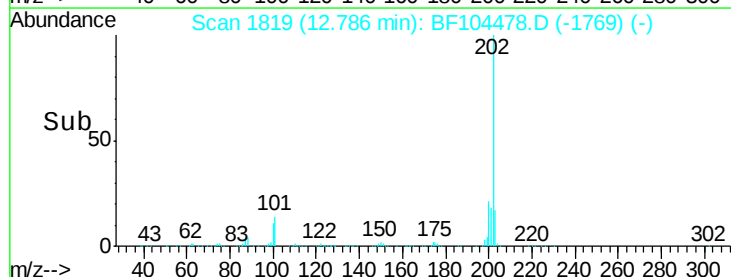
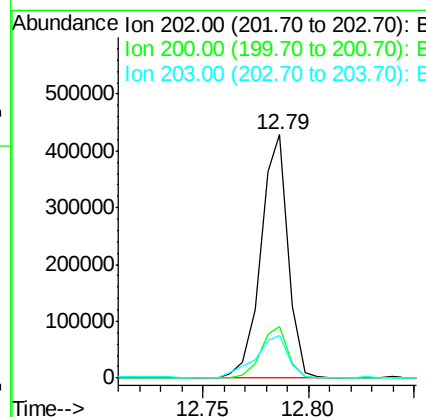
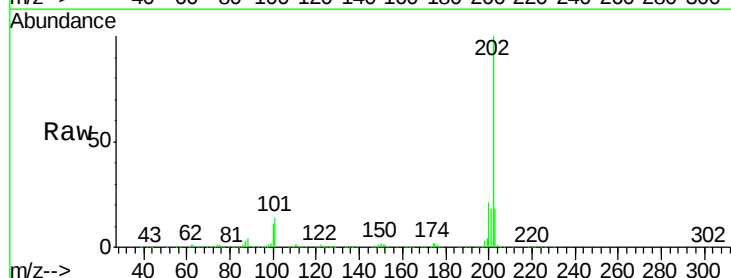
RT: 12.79 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BF104478.D

Acq: 13 Apr 2018 15:07

Tgt Ion:	202	Resp:	382816
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.4	26.2
203	17.6	14.3	21.5





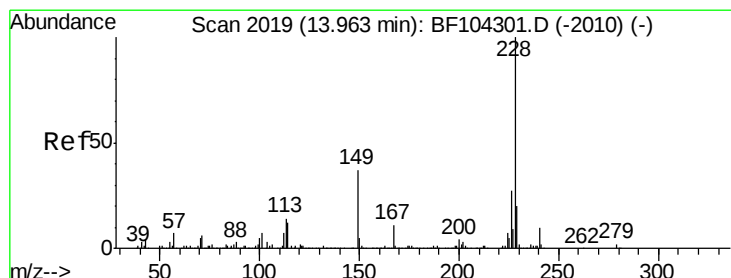
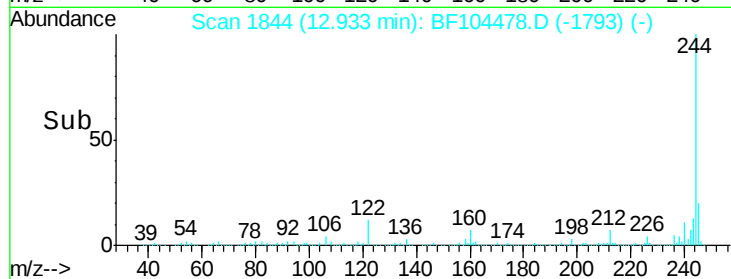
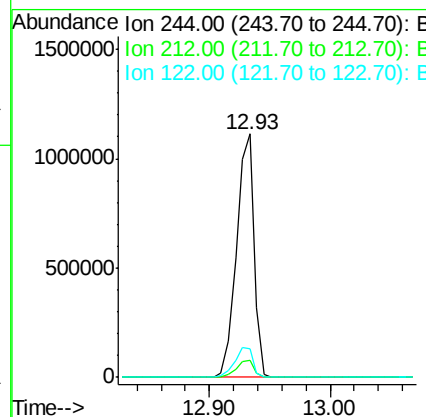
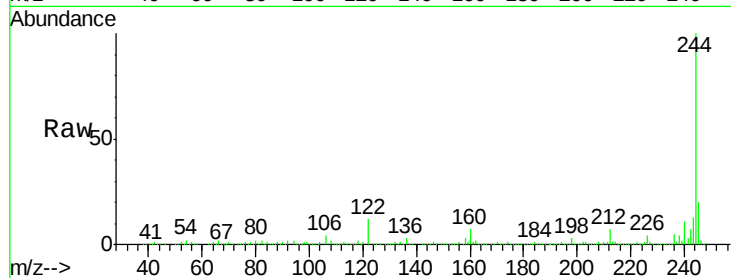
#78
 Terphenyl-d14
 Concen: 94.379 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. 0.00 min
 Lab File: BF104478.D
 Acq: 13 Apr 2018 15:07

Instrument :
 BNA_F
 ClientSampled :
 281

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	11.7	11.0	16.4

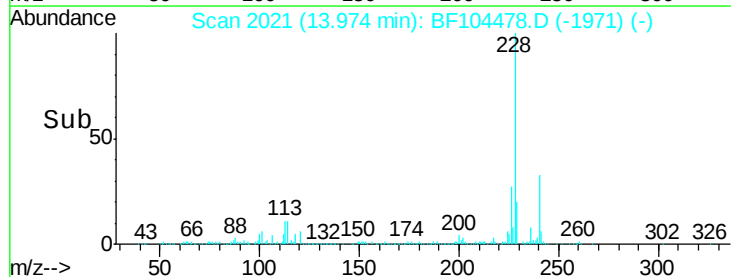
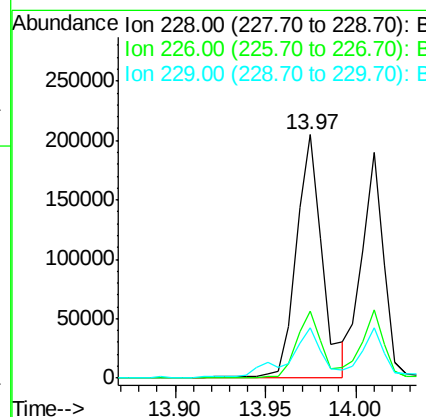
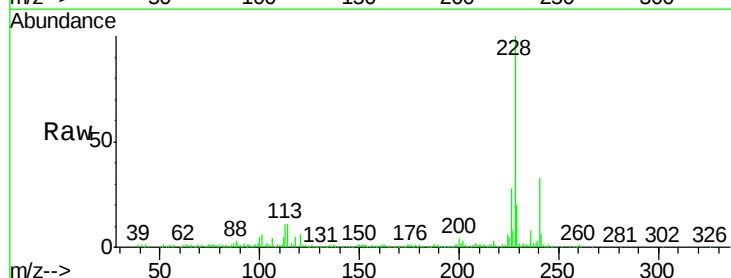
Manual Integrations
 APPROVED

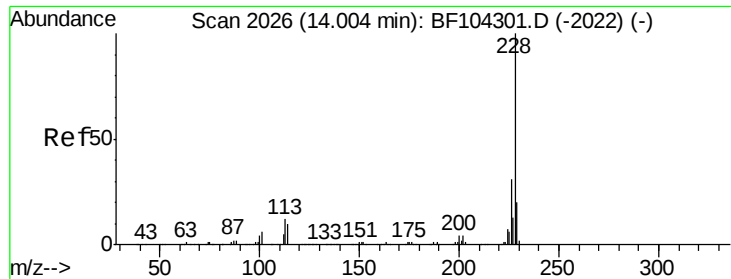
Sohil
 4/16/2018 3:10:06 PM



#80
 Benzo(a)anthracene
 Concen: 12.565 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF104478.D
 Acq: 13 Apr 2018 15:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.6	33.8
229	20.5	15.8	23.6





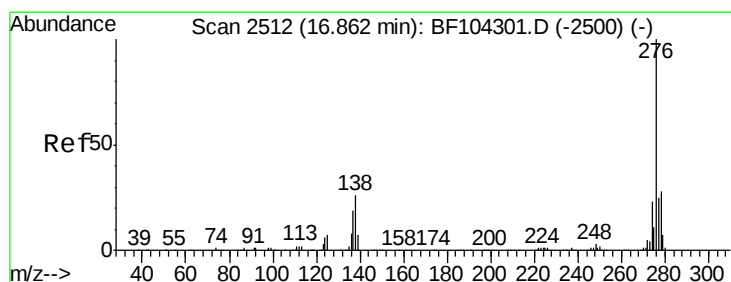
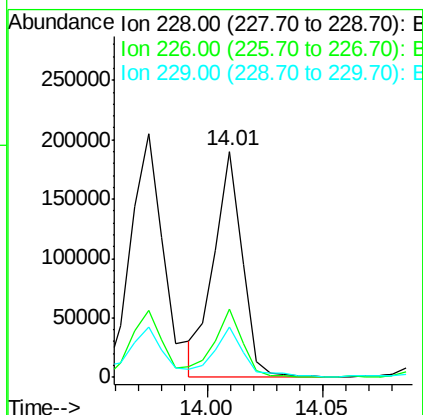
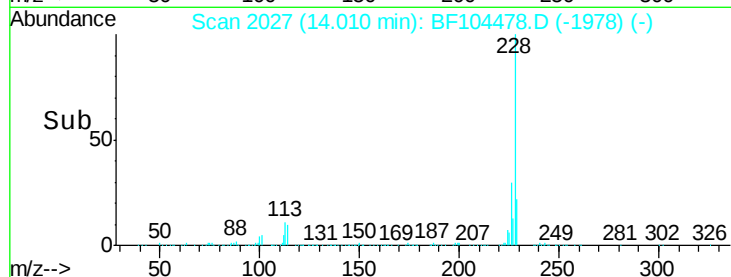
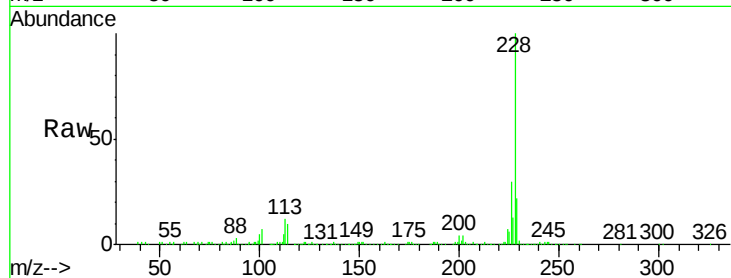
#82
Chrysene
Concen: 9.625 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF104478.D
Acq: 13 Apr 2018 15:07

Instrument :
BNA_F
ClientSampled :
281

Tot Ion	Ratio	Resp	Lower	Upper
228	100	160927		
226	30.1	25.0	37.6	
229	22.3	16.2	24.4	

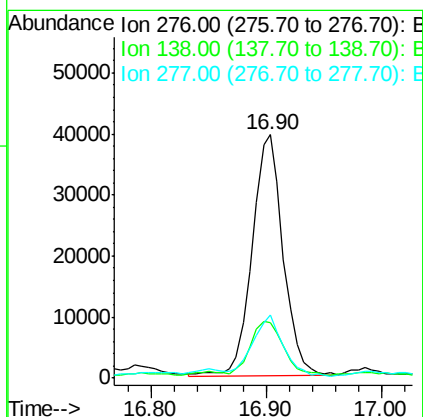
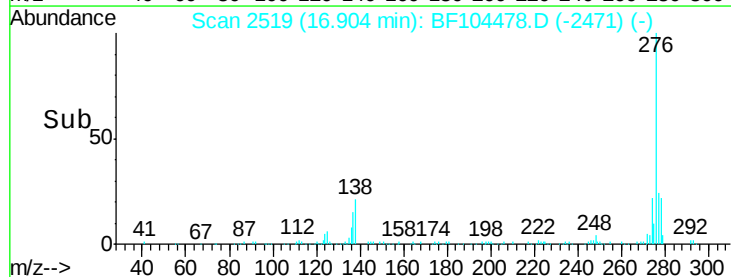
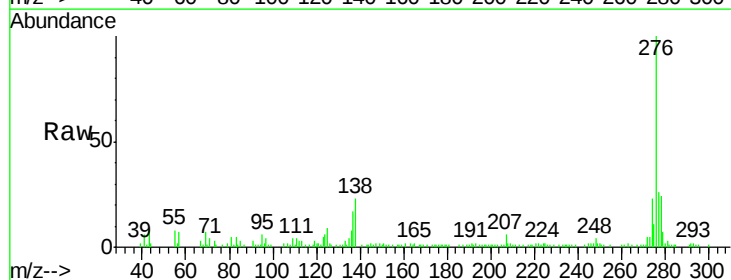
Manual Integrations
APPROVED

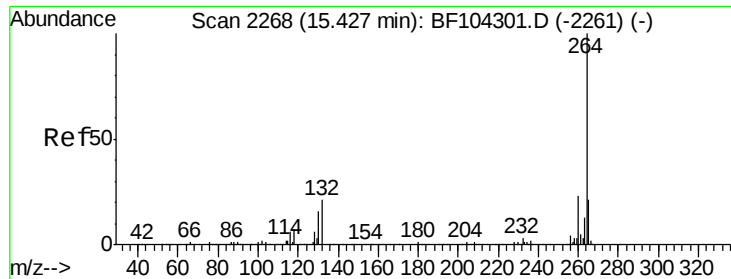
Sohil
4/16/2018 3:10:06 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 5.262 ng
RT: 16.90 min Scan# 2519
Delta R.T. -0.02 min
Lab File: BF104478.D
Acq: 13 Apr 2018 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	74728		
138	23.1	25.0	37.6#	
277	24.6	20.1	30.1	





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.45 min Scan# 2272

Delta R.T. -0.01 min

Lab File: BF104478.D

Acq: 13 Apr 2018 15:07

Instrument :

BNA_F

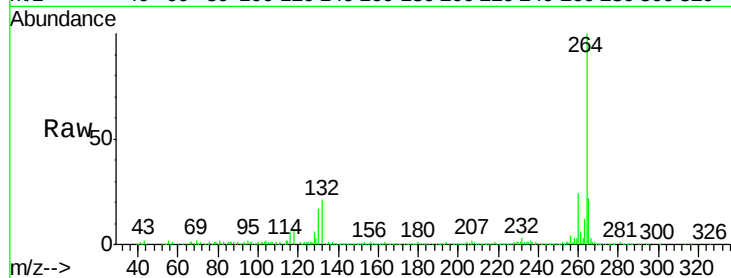
ClientSampled :

281

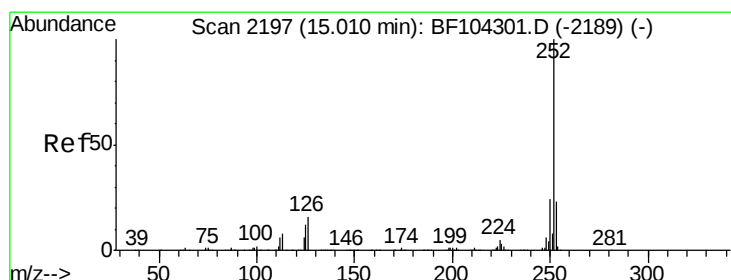
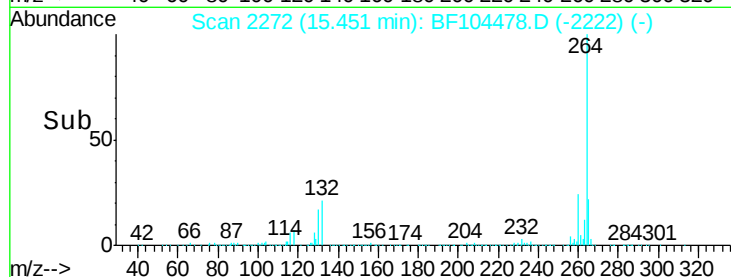
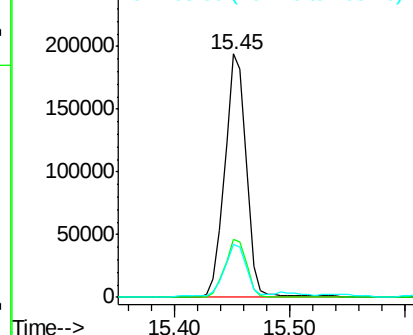
Tot Ion:	264	Resp:	248528
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.2	28.8
265	21.7	17.5	26.3

Manual Integrations
APPROVED

Sohil
4/16/2018 3:10:06 PM



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 12.154 ng m

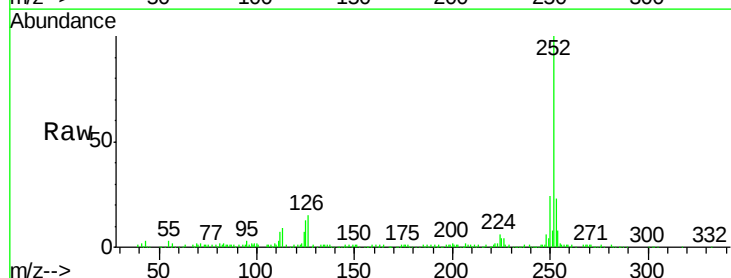
RT: 15.03 min Scan# 2200

Delta R.T. -0.01 min

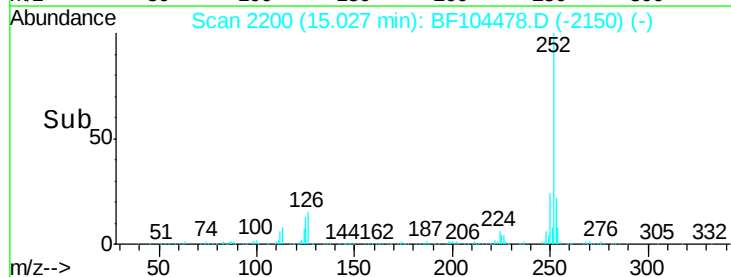
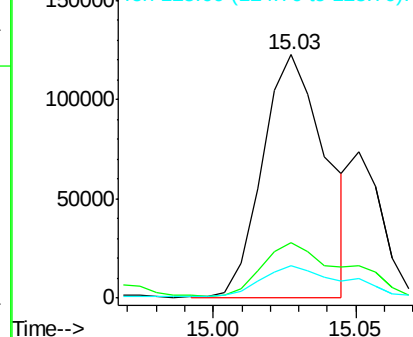
Lab File: BF104478.D

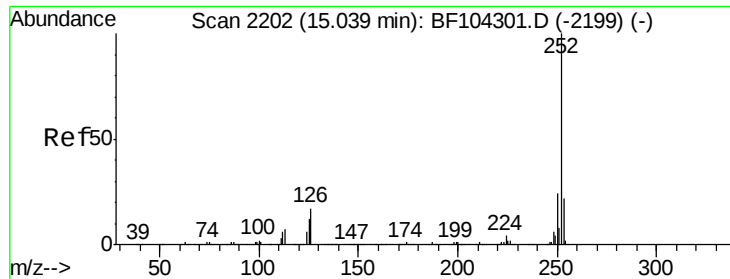
Acq: 13 Apr 2018 15:07

Tgt Ion:	252	Resp:	190775
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.0	25.6
125	13.4	9.0	13.6



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





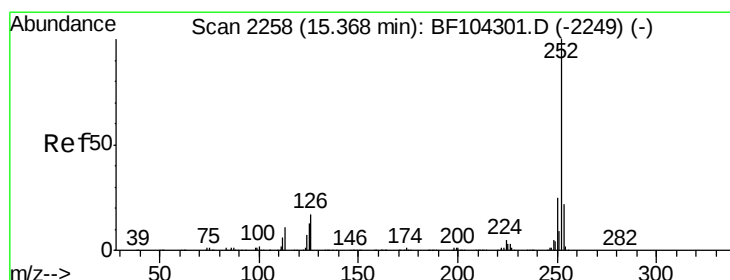
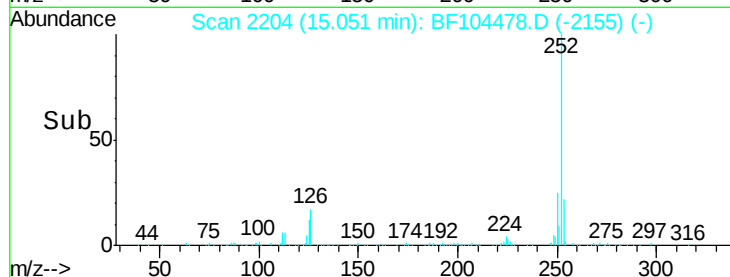
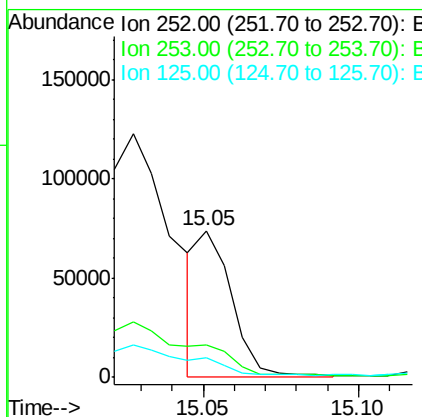
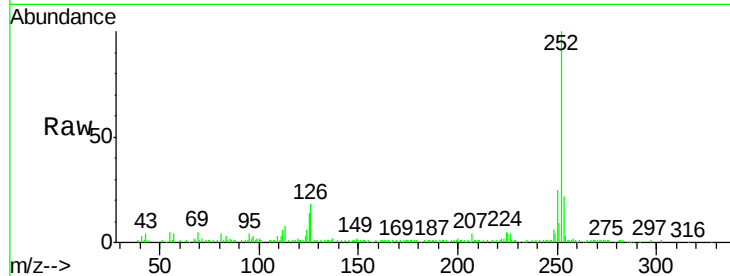
#88
Benzo(k)fluoranthene
Concen: 3.833 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF104478.D
Acq: 13 Apr 2018 15:07

Instrument :
BNA_F
ClientSampleId :
281

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9
125	13.8	10.2	15.2

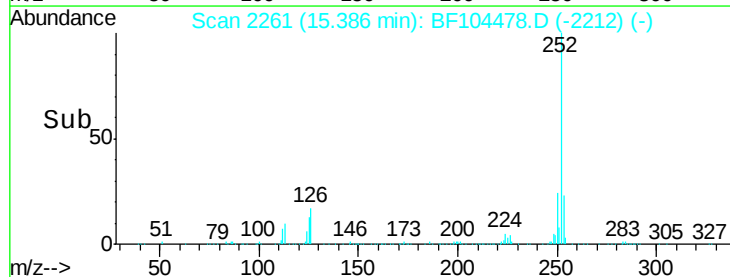
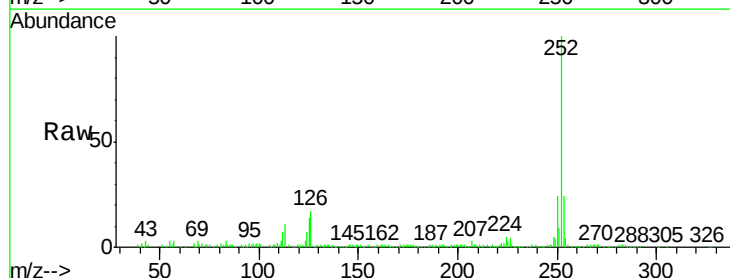
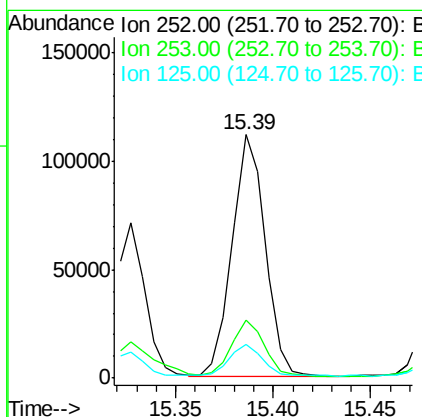
Manual Integrations
APPROVED

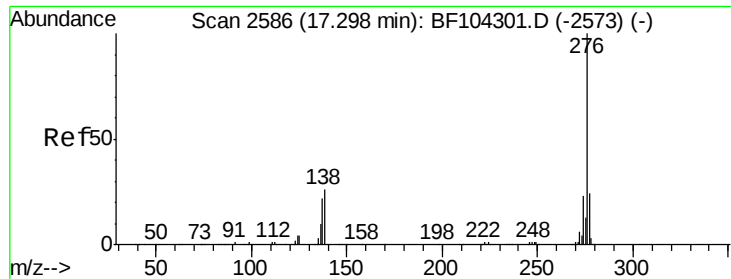
Sohil
4/16/2018 3:10:06 PM



#89
Benzo(a)pyrene
Concen: 9.437 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BF104478.D
Acq: 13 Apr 2018 15:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	13.8	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 5.520 ng
 RT: 17.34 min Scan# 2594
 Delta R.T. -0.02 min
 Lab File: BF104478.D
 Acq: 13 Apr 2018 15:07

Instrument :
 BNA_F
 ClientSampleId :
 281

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.3	17.9	26.9
138	26.5	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 4/16/2018 3:10:06 PM

