

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042518\
 Data File : BF104829.D
 Acq On : 26 Apr 2018 10:34
 Operator : JU/SJ
 Sample : J2520-02
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-8 2.0-2.5

Manual Integrations
 APPROVED

Sohil
 4/26/2018 6:15:26 PM

Quant Time: Apr 26 14:45:42 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 25 14:01:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	109896	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	448312	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	193180	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	292255	20.00	ng	0.00
75) Chrysene-d12	13.97	240	224188	20.00	ng	-0.01
86) Perylene-d12	15.44	264	173329	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	775305	107.87	ng	0.00
7) Phenol-d6	6.44	99	959504	108.66	ng	0.00
23) Nitrobenzene-d5	7.36	82	609585	88.79	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	182989	91.32	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	932233	76.23	ng	0.00
78) Terphenyl-d14	12.92	244	621937	63.25	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.55	163	94831	6.225	ng	99
70) Phenanthrene	11.35	178	210648	12.943	ng	99
71) Anthracene	11.40	178	41783	2.526	ng	98
74) Fluoranthene	12.54	202	255550	15.028	ng	97
77) Pyrene	12.77	202	220791	13.287	ng	99
80) Benzo(a)anthracene	13.96	228	137688	10.280	ng	99
82) Chrysene	14.00	228	129335	9.401	ng	98
85) Indeno(1,2,3-cd)pyrene	16.90	276	40803	3.492	ng	95
87) Benzo(b)fluoranthene	15.02	252	130294m	11.902	ng	
88) Benzo(k)fluoranthene	15.04	252	43569m	4.216	ng	
89) Benzo(a)pyrene	15.38	252	81746	8.346	ng	98
91) Benzo(a,h,i)perylene	17.34	276	37886	4.861	ng	# 92

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

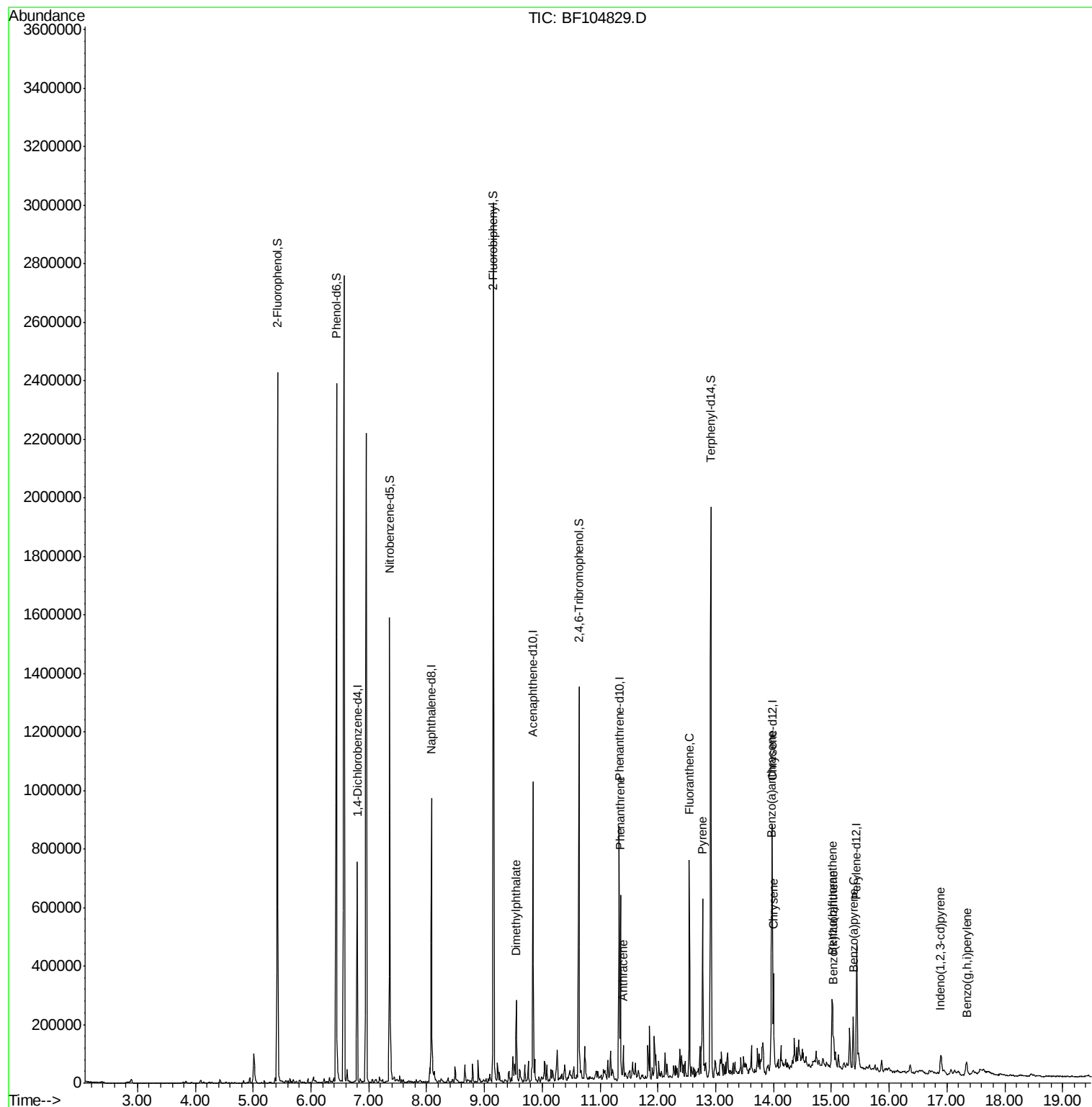
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042518\
Data File : BF104829.D
Acq On : 26 Apr 2018 10:34
Operator : JU/SJ
Sample : J2520-02
Misc :
ALS Vial : 48 Sample Multiplier: 1

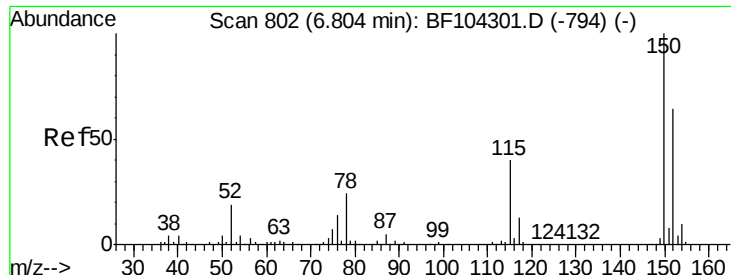
Instrument :
BNA_F
ClientSampleId :
TP-8 2.0-2.5

Manual Integrations
APPROVED

Sohil
4/26/2018 6:15:26 PM

Quant Time: Apr 26 14:45:42 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 25 14:01:50 2018
Response via : Initial Calibration





#1

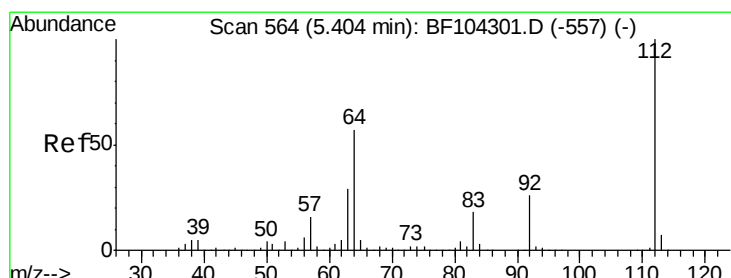
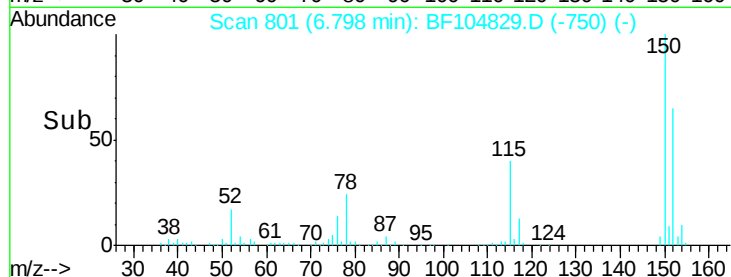
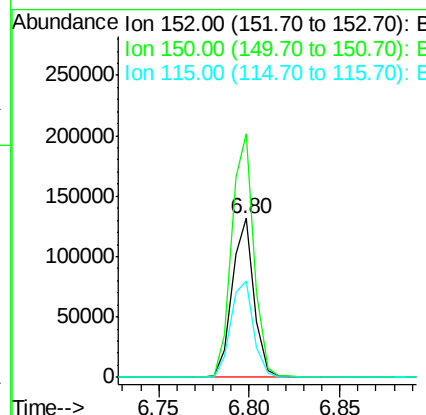
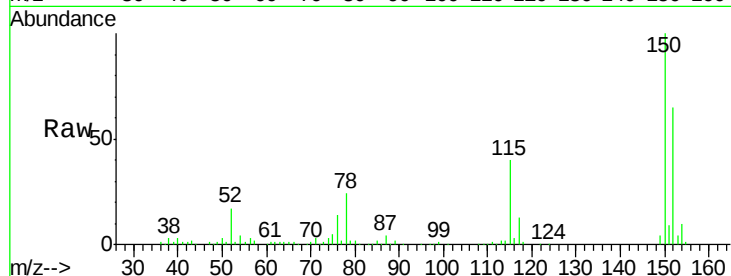
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF104829.D
Acq: 26 Apr 2018 10:34

Instrument :
BNA_F
ClientSampled :
TP-8 2.0-2.5

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	124.6	186.8
115	60.9	50.1	75.1

Manual Integrations
APPROVED

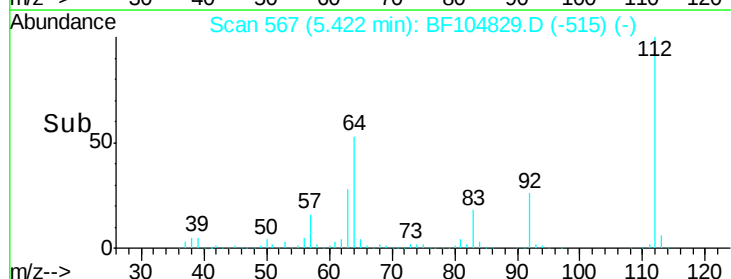
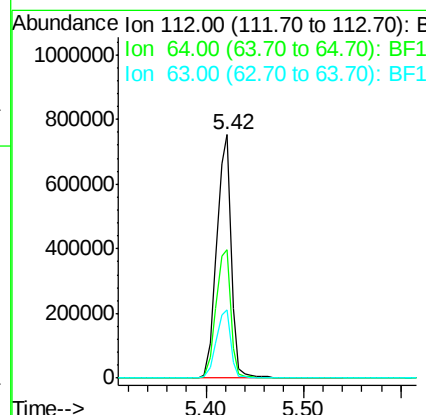
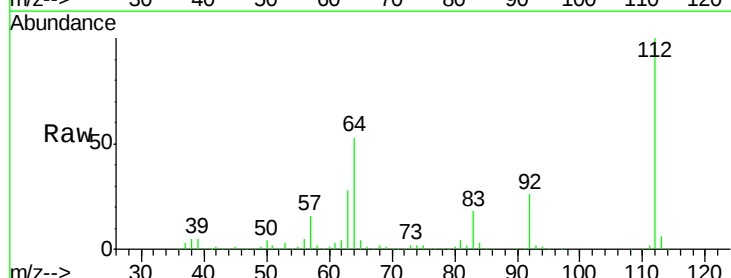
Sohil
4/26/2018 6:15:26 PM



#5

2-Fluorophenol
Concen: 107.873 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104829.D
Acq: 26 Apr 2018 10:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.9	47.9	71.9
63	27.8	23.7	35.5





#7

Phenol-d6

Concen: 108.655 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104829.D

Acq: 26 Apr 2018 10:34

Instrument :

BNA_F

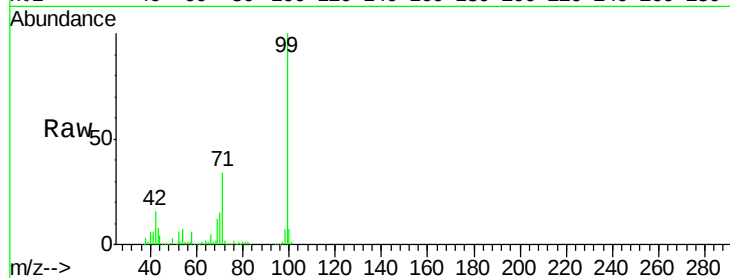
ClientSampleId :

TP-8 2.0-2.5

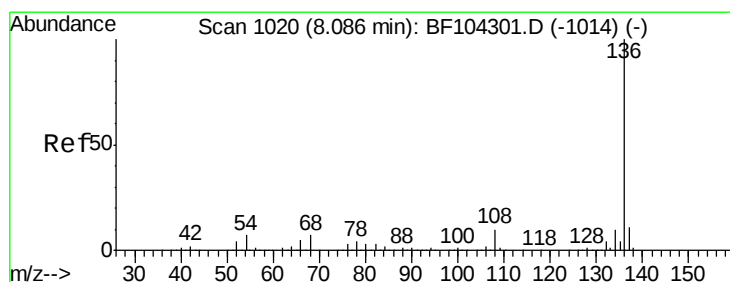
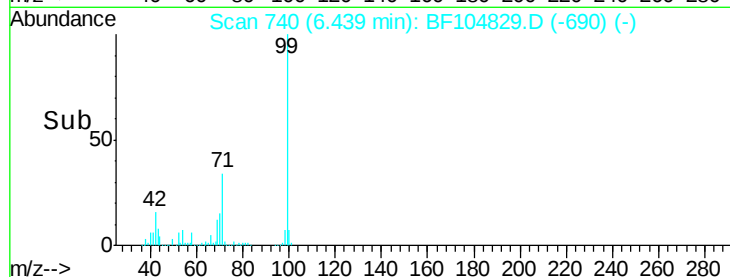
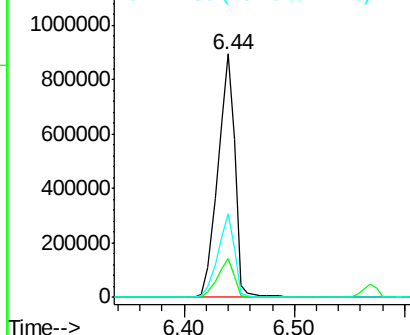
Tot Ion:	99	Resp:	959504
Ion	Ratio	Lower	Upper
99	100		
42	16.2	14.5	21.7
71	34.2	25.4	38.0

Manual Integrations
APPROVED

Sohil
4/26/2018 6:15:26 PM



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1019

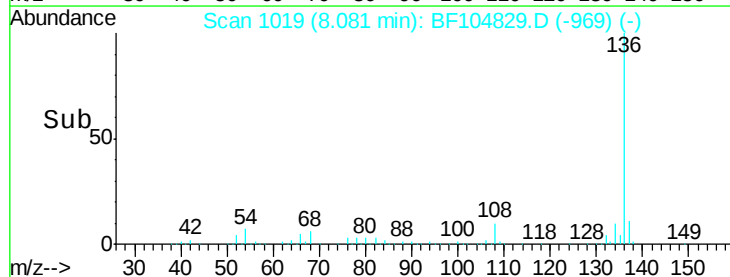
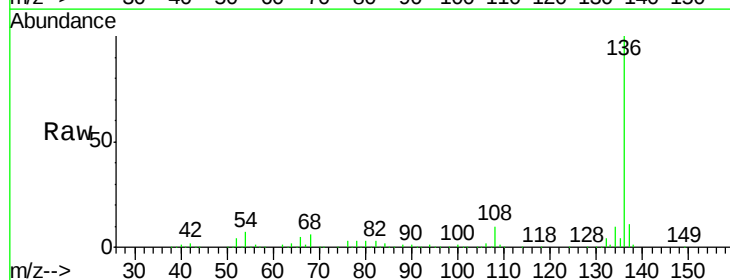
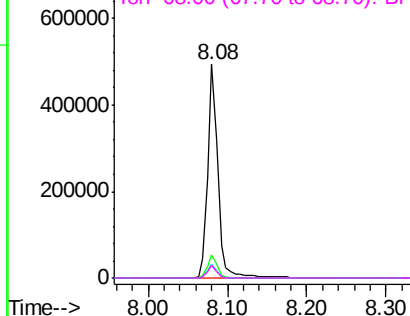
Delta R.T. -0.01 min

Lab File: BF104829.D

Acq: 26 Apr 2018 10:34

Tgt Ion:	136	Resp:	448312
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.6	6.6	9.8
68	6.0	5.0	7.4

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





#23

Nitrobenzene-d5

Concen: 88.788 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.01 min

Lab File: BF104829.D

Acq: 26 Apr 2018 10:34

Instrument :

BNA_F

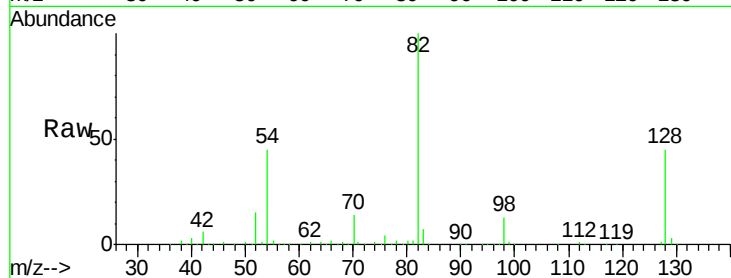
ClientSampleId :

TP-8 2.0-2.5

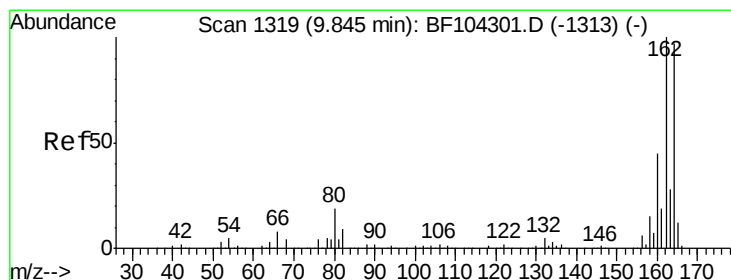
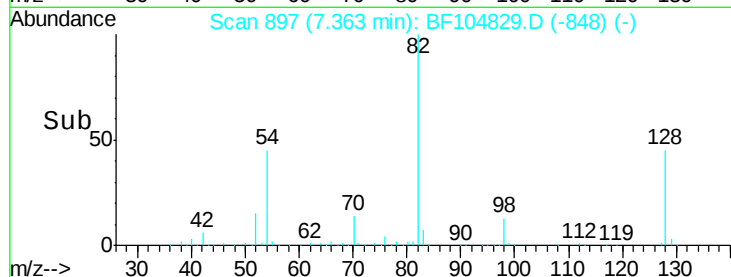
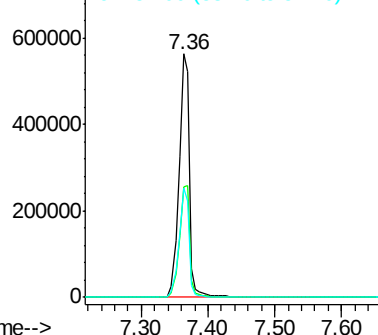
Tot Ion:	82	Resp:	609585
Ion Ratio	Lower	Upper	
82	100		
128	45.1	36.1	54.1
54	45.0	41.4	62.2

Manual Integrations
APPROVED

Sohil
4/26/2018 6:15:26 PM



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



#38

Acenaphthene-d10

Concen: 20.000 ng

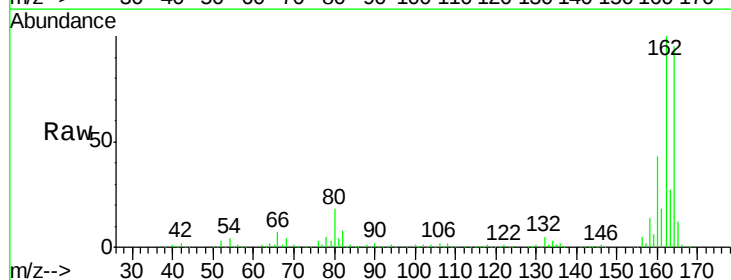
RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

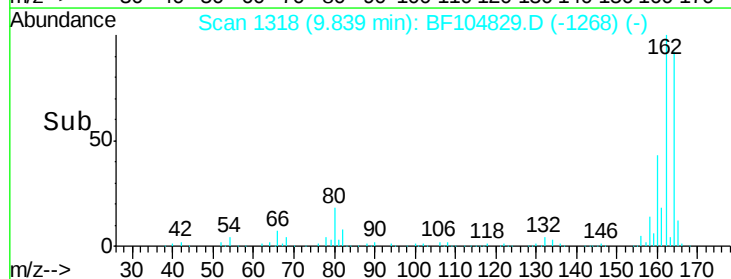
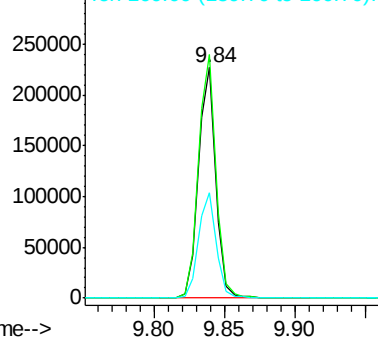
Lab File: BF104829.D

Acq: 26 Apr 2018 10:34

Tgt Ion:	164	Resp:	193180
Ion Ratio	Lower	Upper	
164	100		
162	105.7	86.1	129.1
160	45.8	38.3	57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1





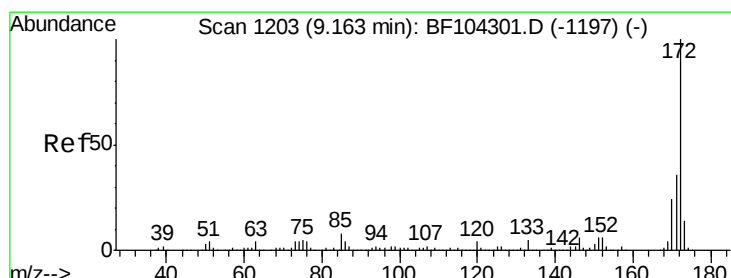
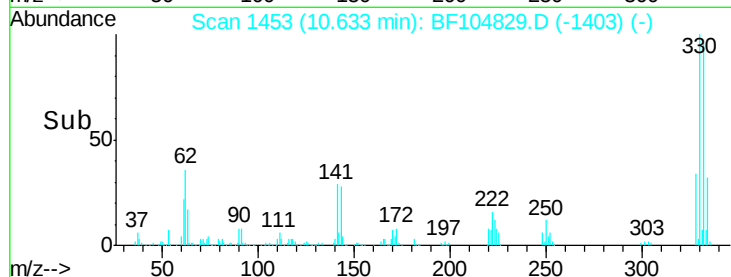
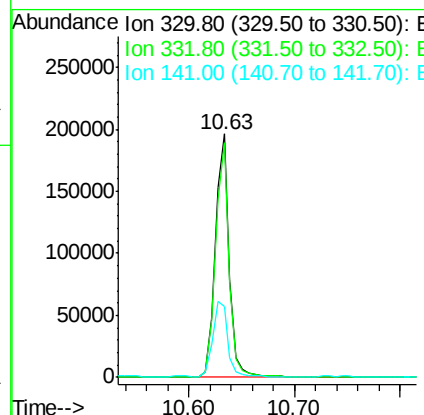
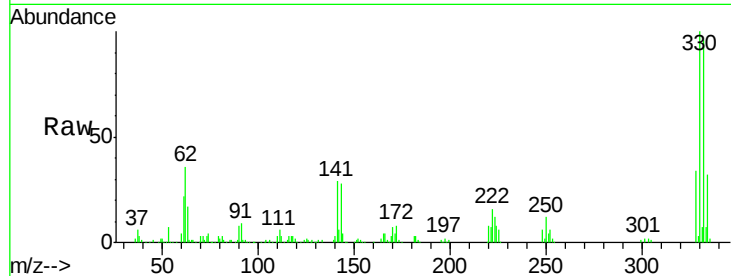
#41
 2,4,6-Tribromophenol
 Concen: 91.316 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104829.D
 Acq: 26 Apr 2018 10:34

Instrument :
 BNA_F
 ClientSampled :
 TP-8 2.0-2.5

Tot Ion	Ratio	Resp	Lower	Upper
330	100	182989		
332	95.5	77.0	115.6	
141	33.4	29.9	44.9	

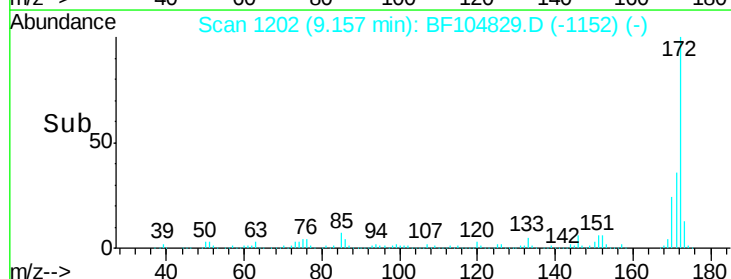
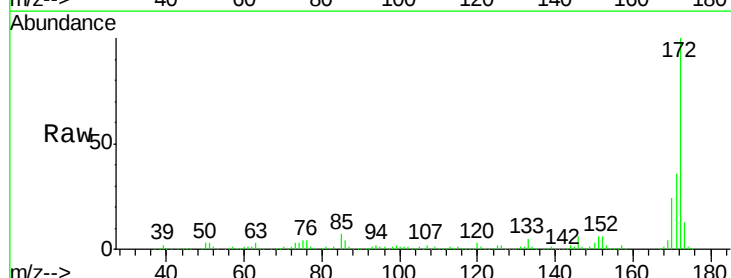
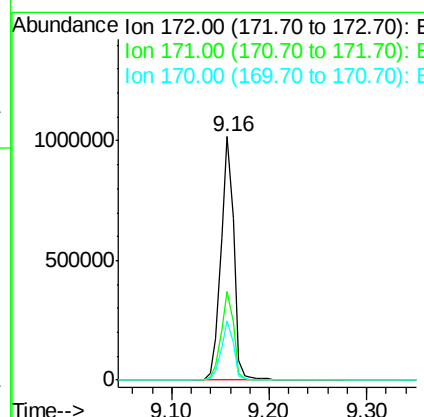
Manual Integrations
 APPROVED

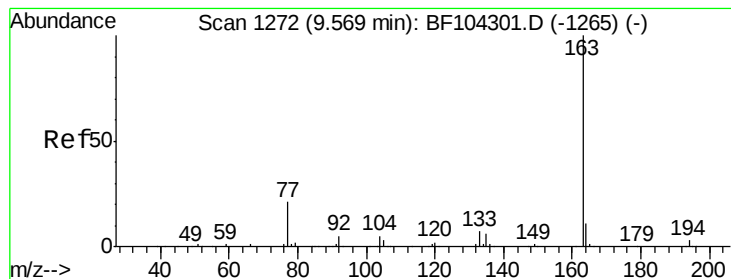
Sohil
 4/26/2018 6:15:26 PM



#44
 2-Fluorobiphenyl
 Concen: 76.234 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104829.D
 Acq: 26 Apr 2018 10:34

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	932233		
171	36.2	29.7	44.5	
170	24.3	19.6	29.4	





#49

Dimethylphthalate

Concen: 6.225 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.02 min

Lab File: BF104829.D

Acq: 26 Apr 2018 10:34

Instrument :

BNA_F

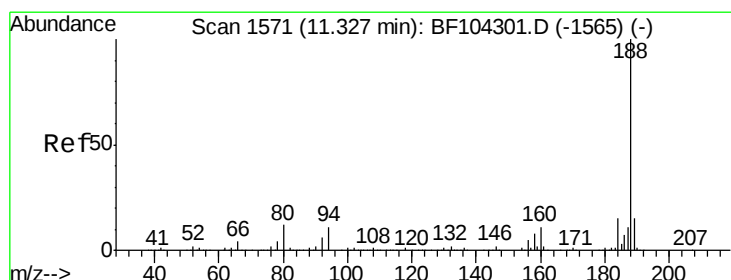
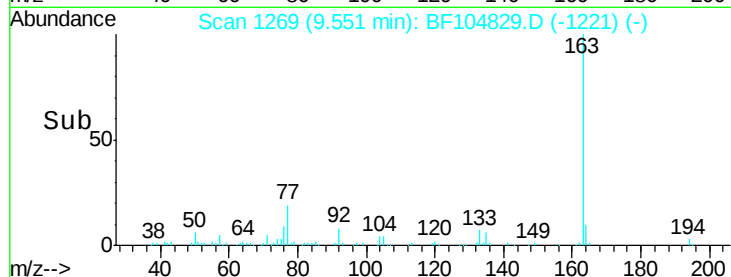
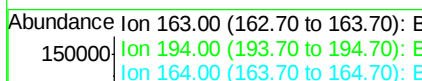
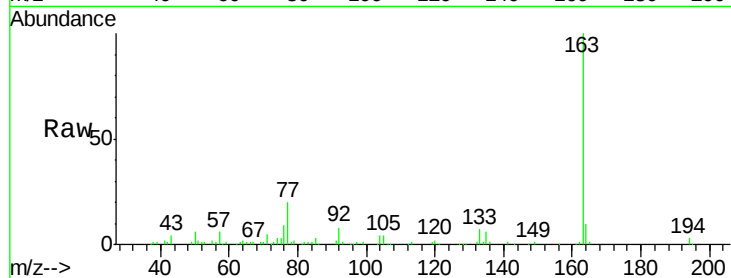
ClientSampleId :

TP-8 2.0-2.5

Tot Ion:	163	Resp:	94831
Ion Ratio	Lower	Upper	
163	100		
194	3.2	2.7	4.1
164	9.8	8.2	12.2

Manual Integrations
APPROVED

Sohil
4/26/2018 6:15:26 PM



#63

Phenanthrene-d10

Concen: 20.000 ng

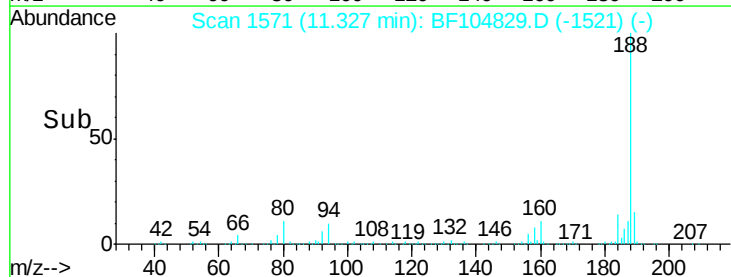
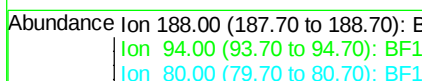
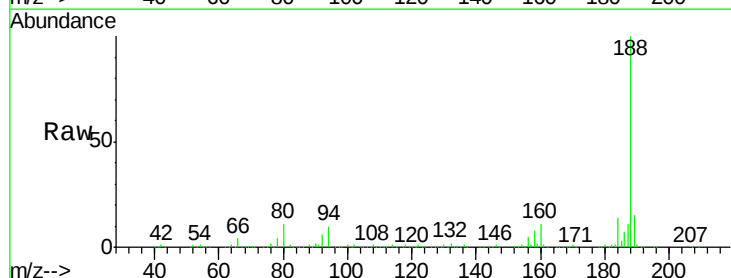
RT: 11.33 min Scan# 1571

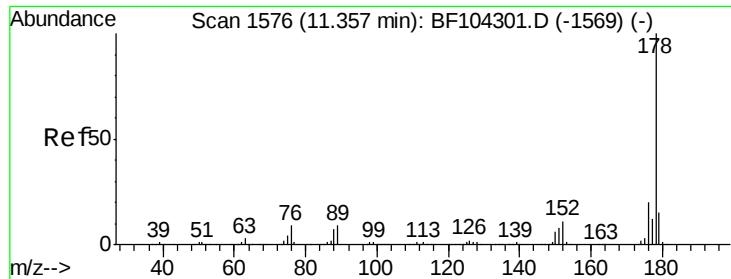
Delta R.T. -0.01 min

Lab File: BF104829.D

Acq: 26 Apr 2018 10:34

Tgt Ion:	188	Resp:	292255
Ion Ratio	Lower	Upper	
188	100		
94	10.2	8.5	12.7
80	11.0	9.2	13.8





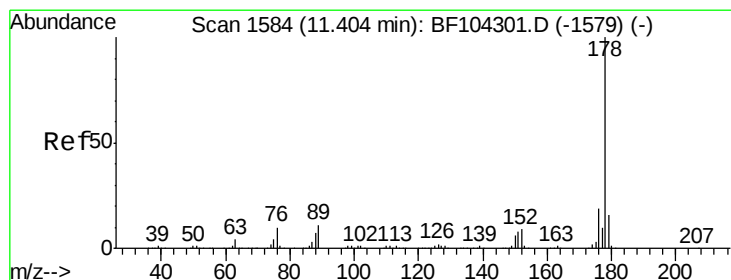
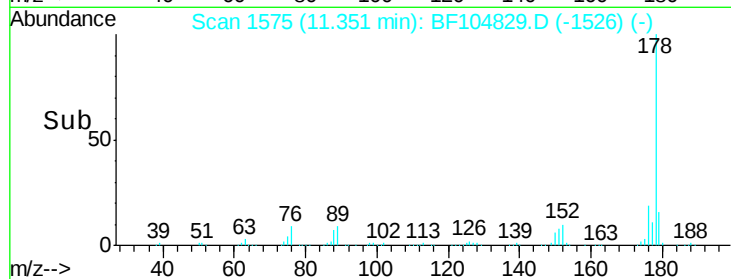
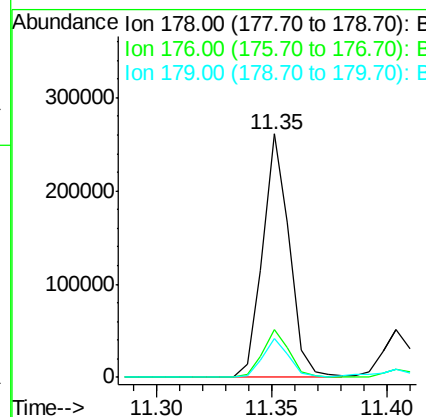
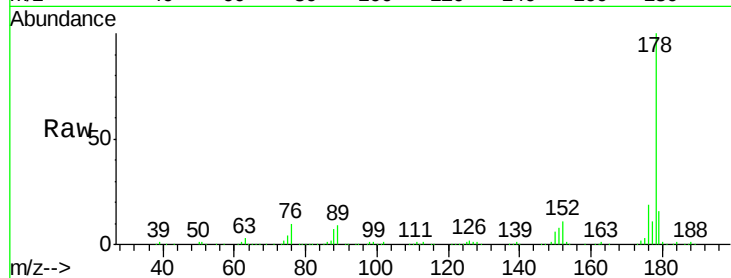
#70
Phenanthrene
Concen: 12.943 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF104829.D
Acq: 26 Apr 2018 10:34

Instrument :
BNA_F
ClientSampleId :
TP-8 2.0-2.5

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.9	13.0	19.6

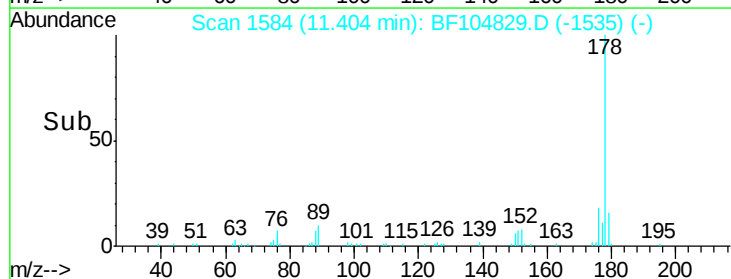
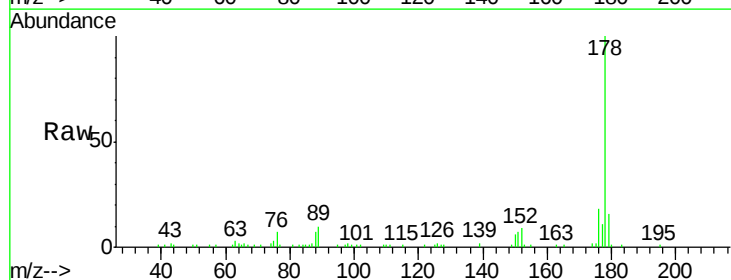
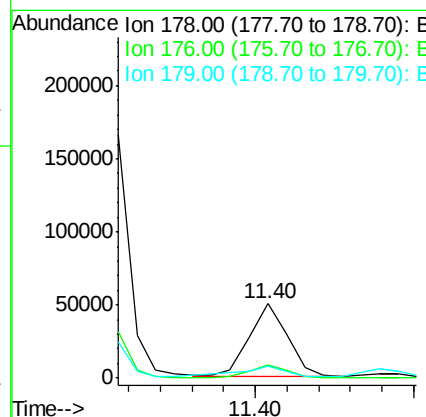
Manual Integrations
APPROVED

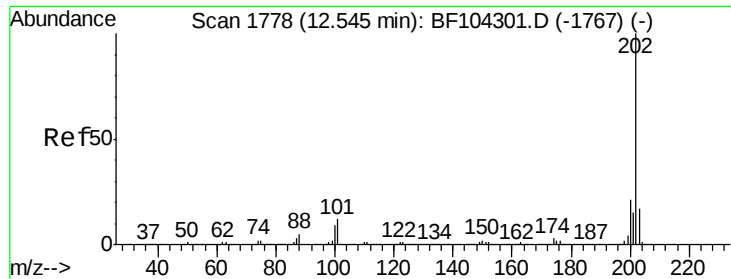
Sohil
4/26/2018 6:15:26 PM



#71
Anthracene
Concen: 2.526 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF104829.D
Acq: 26 Apr 2018 10:34

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	16.2	12.6	19.0





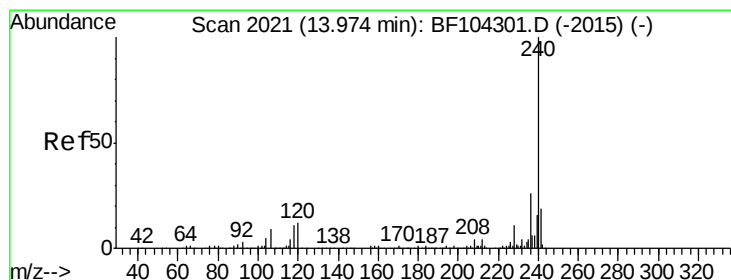
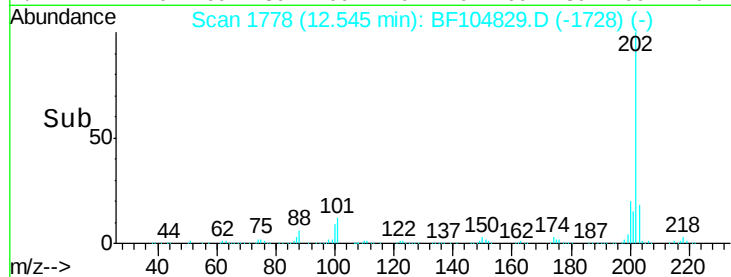
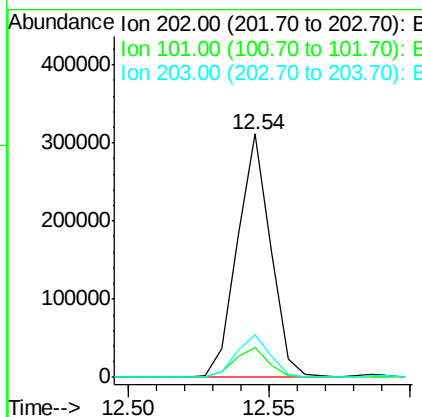
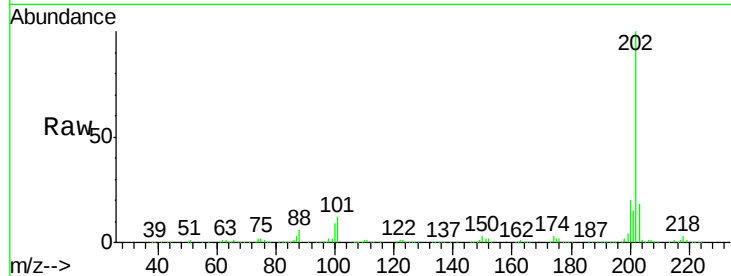
#74
 Fluoranthene
 Concen: 15.028 ng
 RT: 12.54 min Scan# 1778
 Delta R.T. -0.01 min
 Lab File: BF104829.D
 Acq: 26 Apr 2018 10:34

Instrument :
 BNA_F
 ClientSampleId :
 TP-8 2.0-2.5

Tot Ion:	202	Resp:	255550
Ion Ratio		Lower	Upper
202	100		
101	12.0	0.0	34.1
203	17.5	0.0	38.1

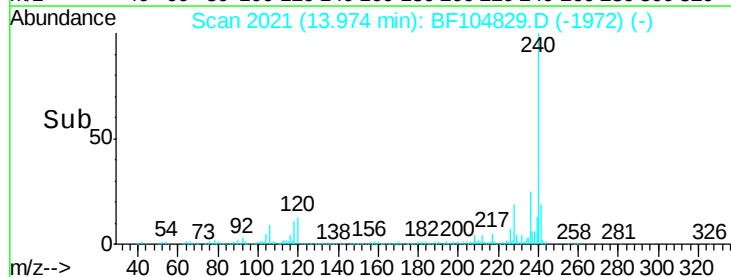
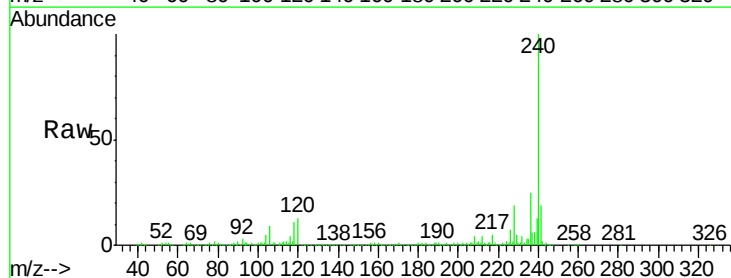
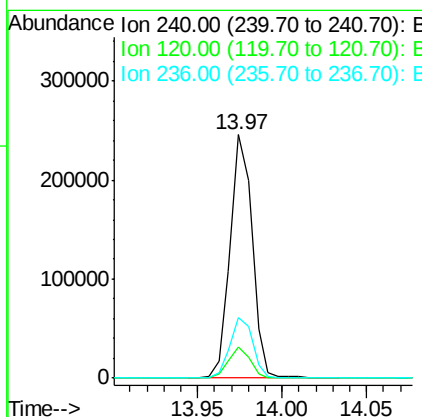
Manual Integrations
 APPROVED

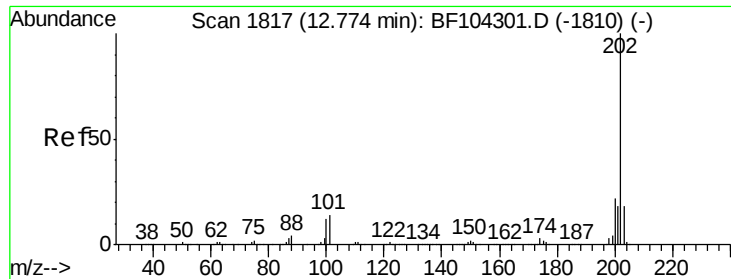
Sohil
 4/26/2018 6:15:26 PM



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF104829.D
 Acq: 26 Apr 2018 10:34

Tgt Ion:	240	Resp:	224188
Ion Ratio		Lower	Upper
240	100		
120	12.8	9.5	14.3
236	24.6	20.7	31.1





#77

Pvrene

Concen: 13.287 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF104829.D

Acq: 26 Apr 2018 10:34

Instrument :

BNA_F

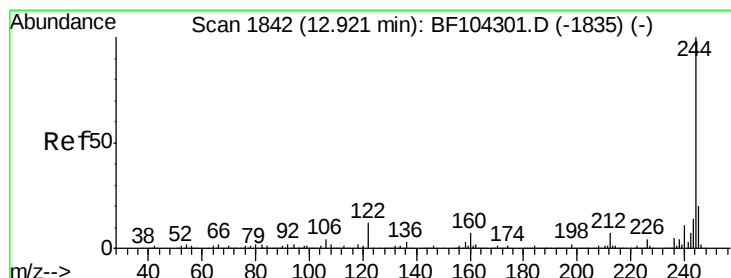
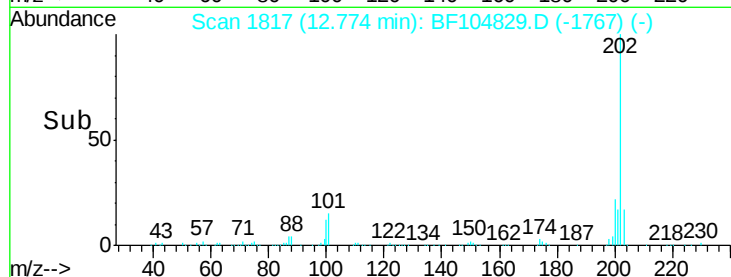
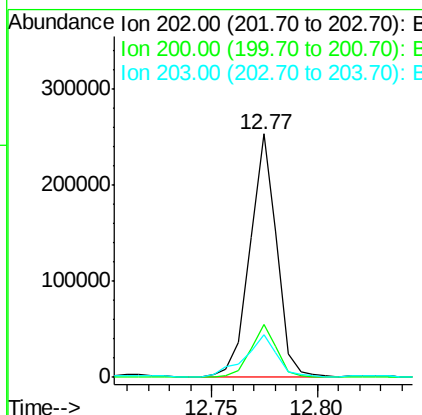
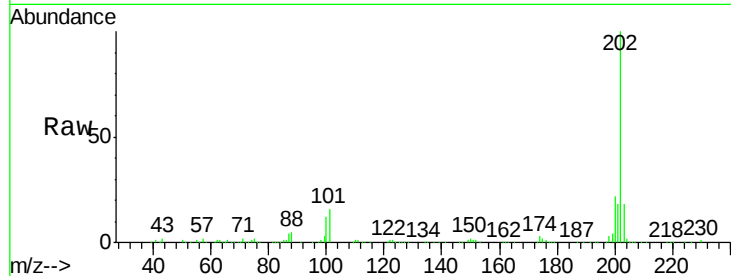
ClientSampleId :

TP-8 2.0-2.5

Tot Ion:	202	Resp:	220791
Ion Ratio		Lower	Upper
202	100		
200	21.6	17.4	26.2
203	17.5	14.3	21.5

Manual Integrations
APPROVED

Sohil
4/26/2018 6:15:26 PM



#78

Terphenyl-d14

Concen: 63.246 ng

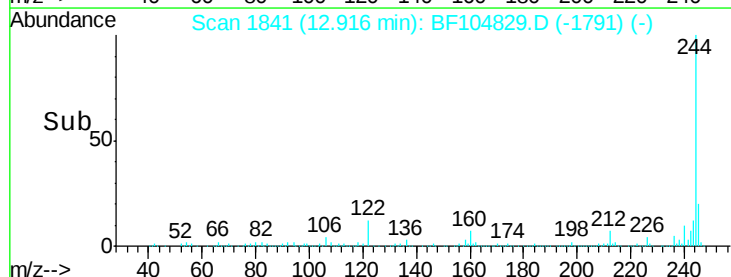
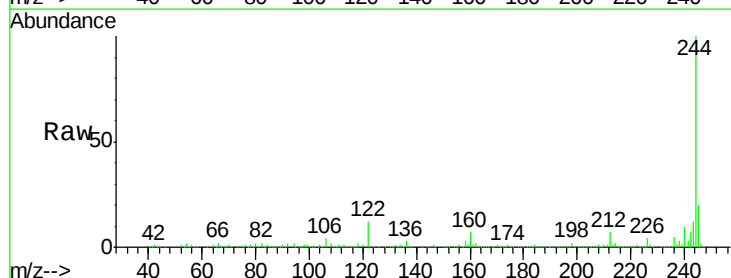
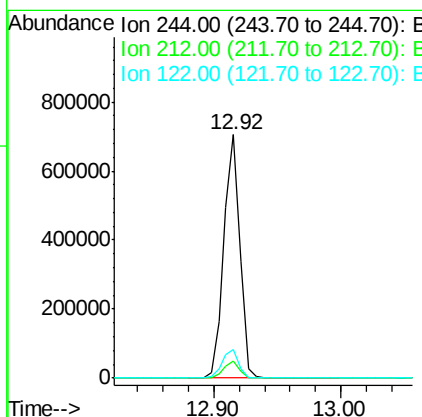
RT: 12.92 min Scan# 1841

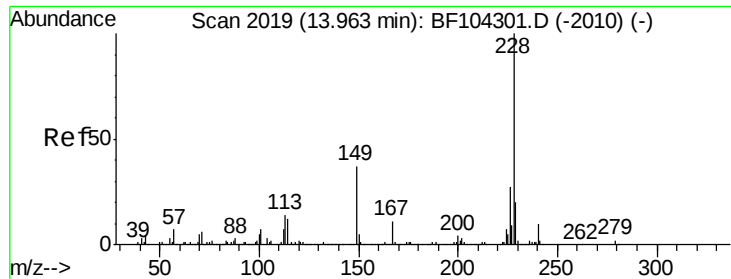
Delta R.T. -0.01 min

Lab File: BF104829.D

Acq: 26 Apr 2018 10:34

Tgt Ion:	244	Resp:	621937
Ion Ratio		Lower	Upper
244	100		
212	7.0	5.4	8.0
122	11.9	11.0	16.4





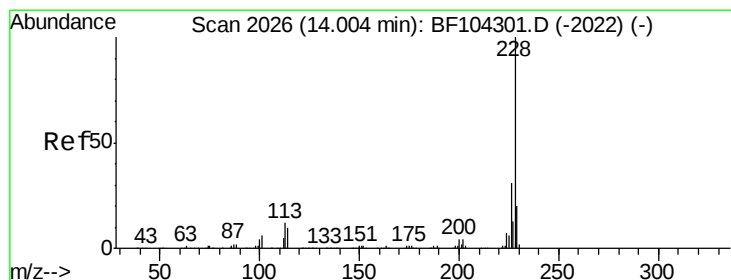
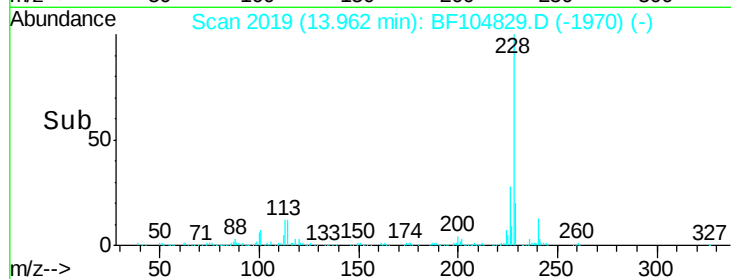
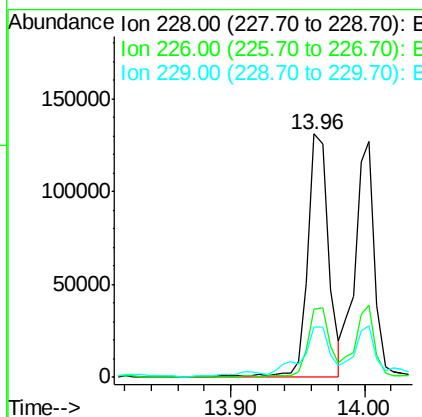
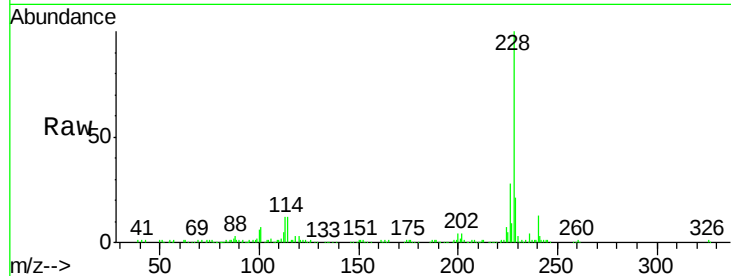
#80
Benzo(a)anthracene
Concen: 10.280 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF104829.D
Acq: 26 Apr 2018 10:34

Instrument :
BNA_F
ClientSampleId :
TP-8 2.0-2.5

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.6	33.8
229	20.9	15.8	23.6

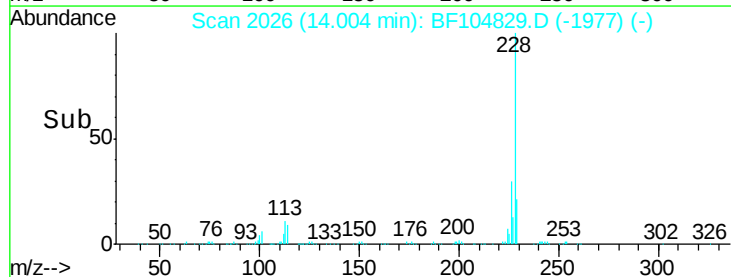
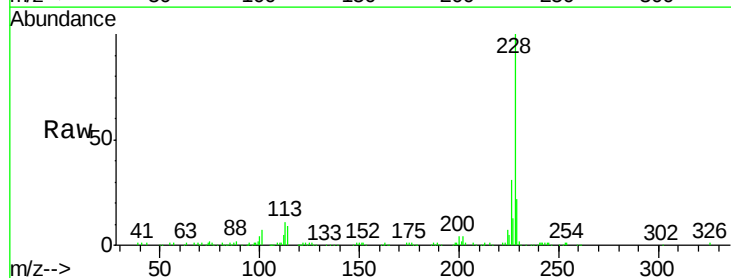
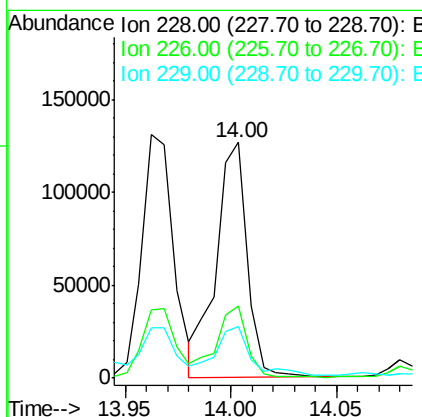
Manual Integrations
APPROVED

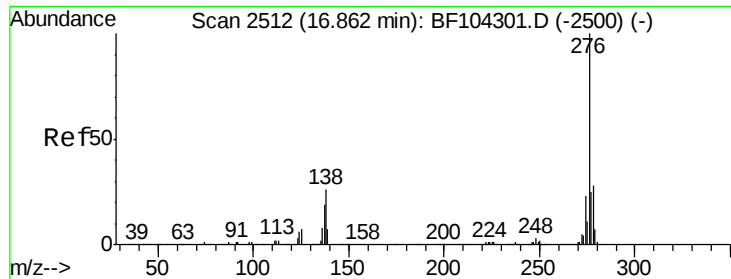
Sohil
4/26/2018 6:15:26 PM



#82
Chrysene
Concen: 9.401 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104829.D
Acq: 26 Apr 2018 10:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	21.8	16.2	24.4





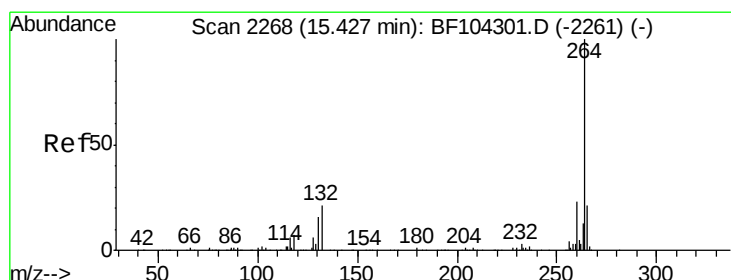
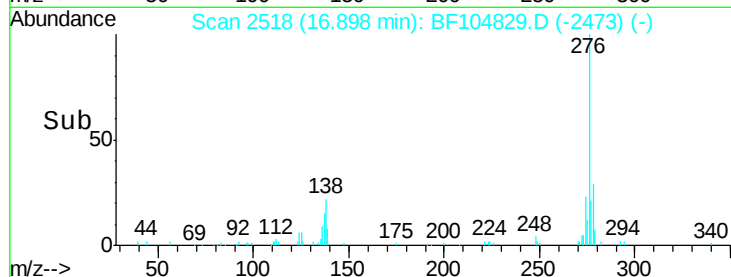
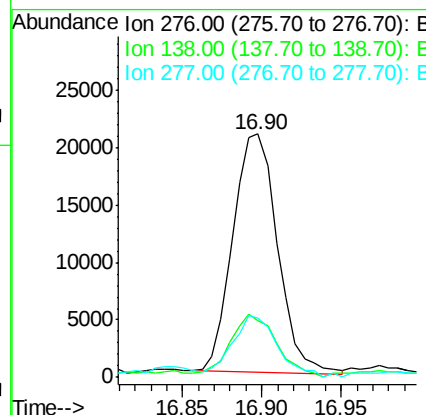
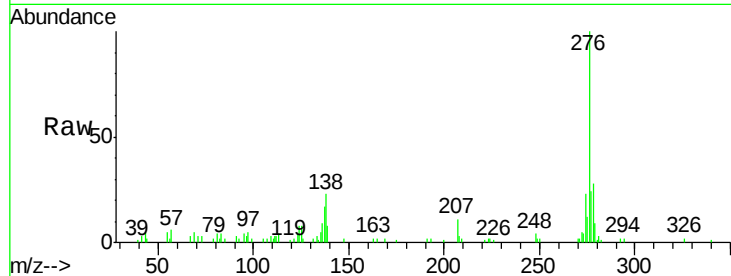
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.492 ng
 RT: 16.90 min Scan# 2518
 Delta R.T. -0.04 min
 Lab File: BF104829.D
 Acq: 26 Apr 2018 10:34

Instrument :
 BNA_F
 ClientSampleId :
 TP-8 2.0-2.5

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.7	25.0	37.6
277	26.5	20.1	30.1

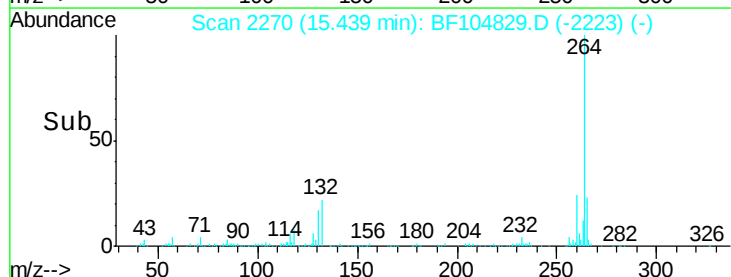
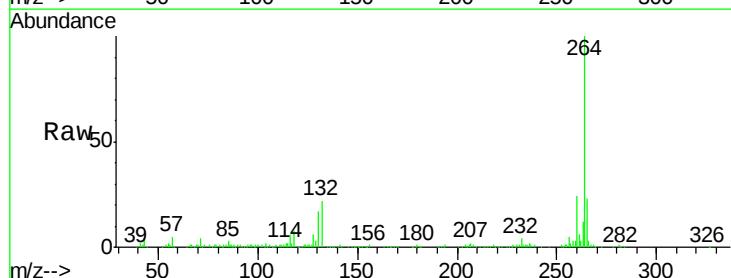
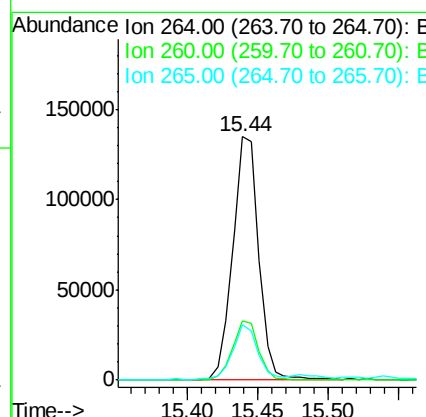
Manual Integrations
 APPROVED

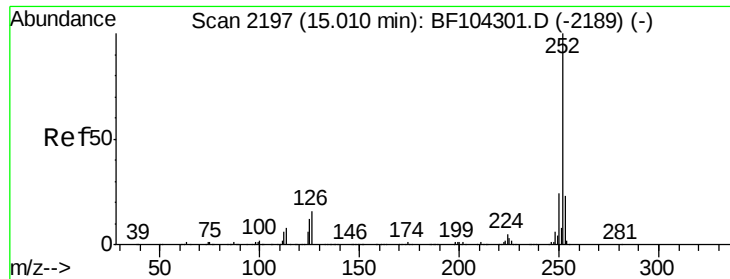
Sohil
 4/26/2018 6:15:26 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2270
 Delta R.T. -0.02 min
 Lab File: BF104829.D
 Acq: 26 Apr 2018 10:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	22.8	17.5	26.3





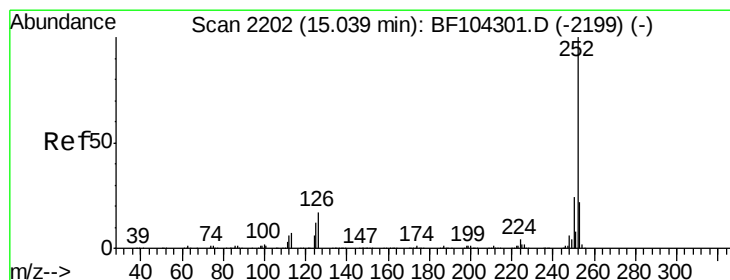
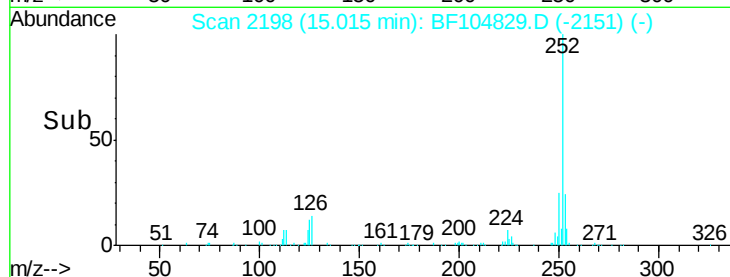
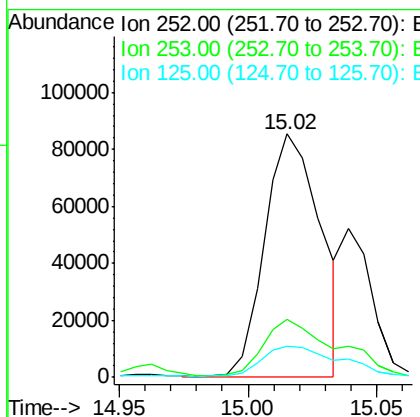
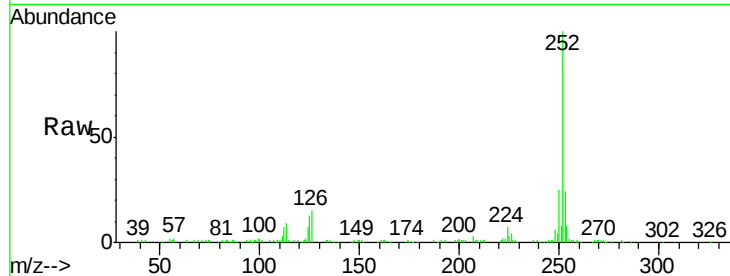
#87
Benzo(b)fluoranthene
Concen: 11.902 ng m
RT: 15.02 min Scan# 2198
Delta R.T. -0.02 min
Lab File: BF104829.D
Acq: 26 Apr 2018 10:34

Instrument :
BNA_F
ClientSampleId :
TP-8 2.0-2.5

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.6
125	13.0	9.0	13.6

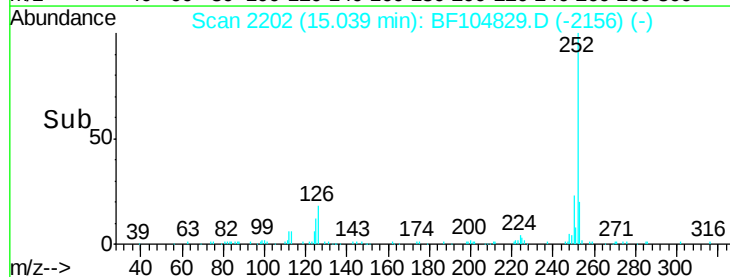
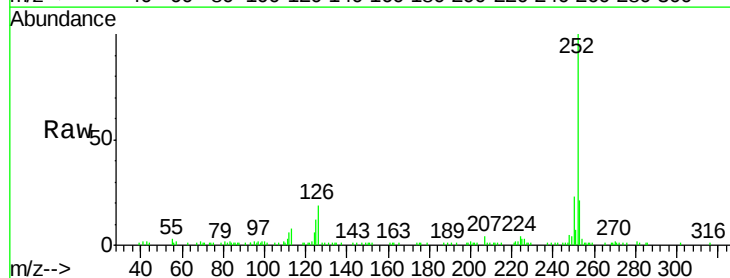
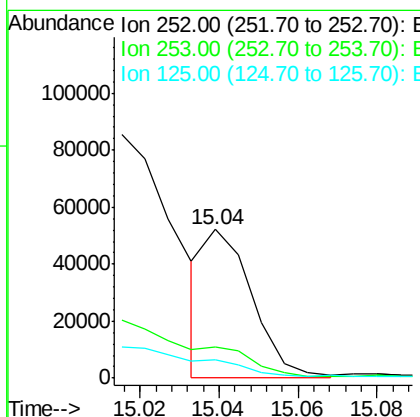
Manual Integrations
APPROVED

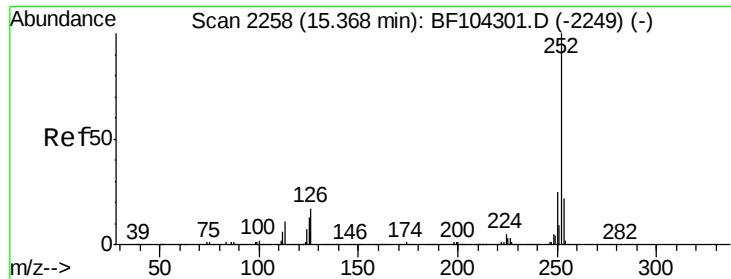
Sohil
4/26/2018 6:15:26 PM



#88
Benzo(k)fluoranthene
Concen: 4.216 ng m
RT: 15.04 min Scan# 2202
Delta R.T. -0.03 min
Lab File: BF104829.D
Acq: 26 Apr 2018 10:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.9	26.9
125	12.4	10.2	15.2





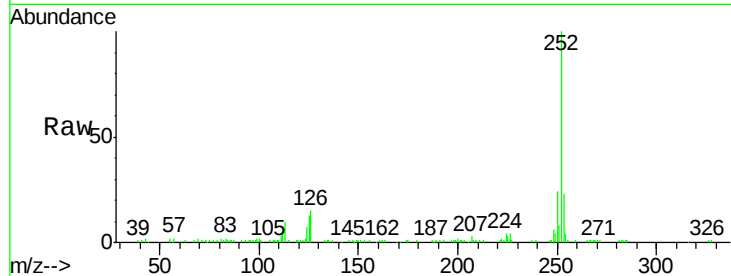
#89
Benzo(a)pyrene
Concen: 8.346 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.02 min
Lab File: BF104829.D
Acq: 26 Apr 2018 10:34

Instrument :
BNA_F
ClientSampled :
TP-8 2.0-2.5

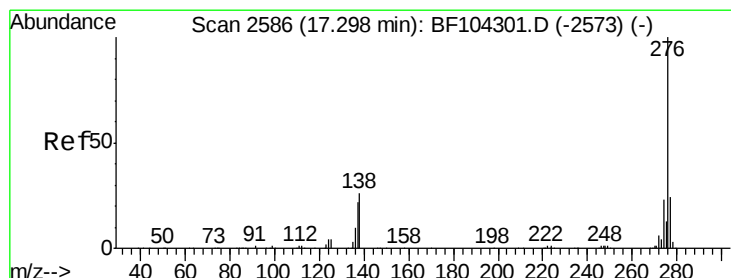
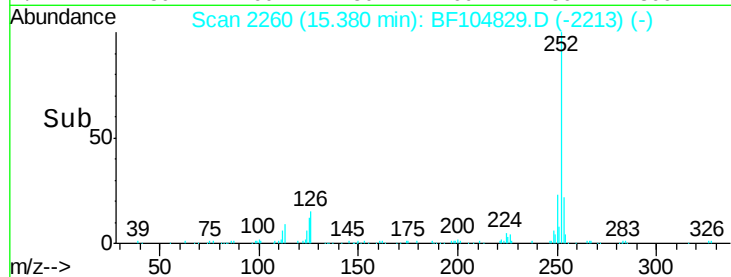
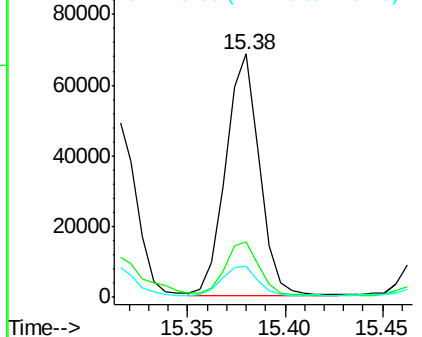
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	12.7	9.8	14.6

Manual Integrations
APPROVED

Sohil
4/26/2018 6:15:26 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: 4.861 ng
RT: 17.34 min Scan# 2593
Delta R.T. -0.04 min
Lab File: BF104829.D
Acq: 26 Apr 2018 10:34

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.4	17.9	26.9#
138	24.5	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

