

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
 Data File : BF108736.D
 Acq On : 4 Sep 2018 13:14
 Operator : JU/SJ
 Sample : J4720-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BZTRANS-3

Manual Integrations
 APPROVED

Sohil
 9/5/2018 12:47:14 PM

Quant Time: Sep 04 15:35:24 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 30 15:06:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	91439	20.00	ng	-0.01
21) Naphthalene-d8	8.27	136	379733	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	164892	20.00	ng	-0.02
63) Phenanthrene-d10	11.53	188	283789	20.00	ng	-0.02
75) Chrysene-d12	14.19	240	290210	20.00	ng	-0.01
86) Perylene-d12	15.74	264	291264	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	270326	51.36	ng	-0.02
7) Phenol-d6	6.62	99	489209	64.89	ng	-0.02
23) Nitrobenzene-d5	7.56	82	336686	45.00	ng	-0.01
41) 2,4,6-Tribromophenol	10.83	330	98562	45.28	ng	-0.02
44) 2-Fluorobiphenyl	9.34	172	630256	51.39	ng	-0.02
78) Terphenyl-d14	13.11	244	570660	38.21	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.74	163	206549	15.907	ng	Qvalue 99
70) Phenanthrene	11.55	178	215922	15.074	ng	97
74) Fluoranthene	12.75	202	287952	17.859	ng	95
77) Pyrene	12.98	202	222416	10.195	ng	98
80) Benzo(a)anthracene	14.18	228	79640	4.501	ng	96
82) Chrysene	14.21	228	117264	6.892	ng	98
83) Bis(2-ethylhexyl)phthalate	14.12	149	40793	3.460	ng	99
85) Indeno(1,2,3-cd)pyrene	17.35	276	56565	4.781	ng	# 81
87) Benzo(b)fluoranthene	15.28	252	152792m	8.540	ng	
88) Benzo(k)fluoranthene	15.30	252	67176m	3.790	ng	
89) Benzo(a)pyrene	15.68	252	101223	6.260	ng	96
91) Benzo(a,h,i)perylene	17.85	276	53000	4.223	ng	# 88

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

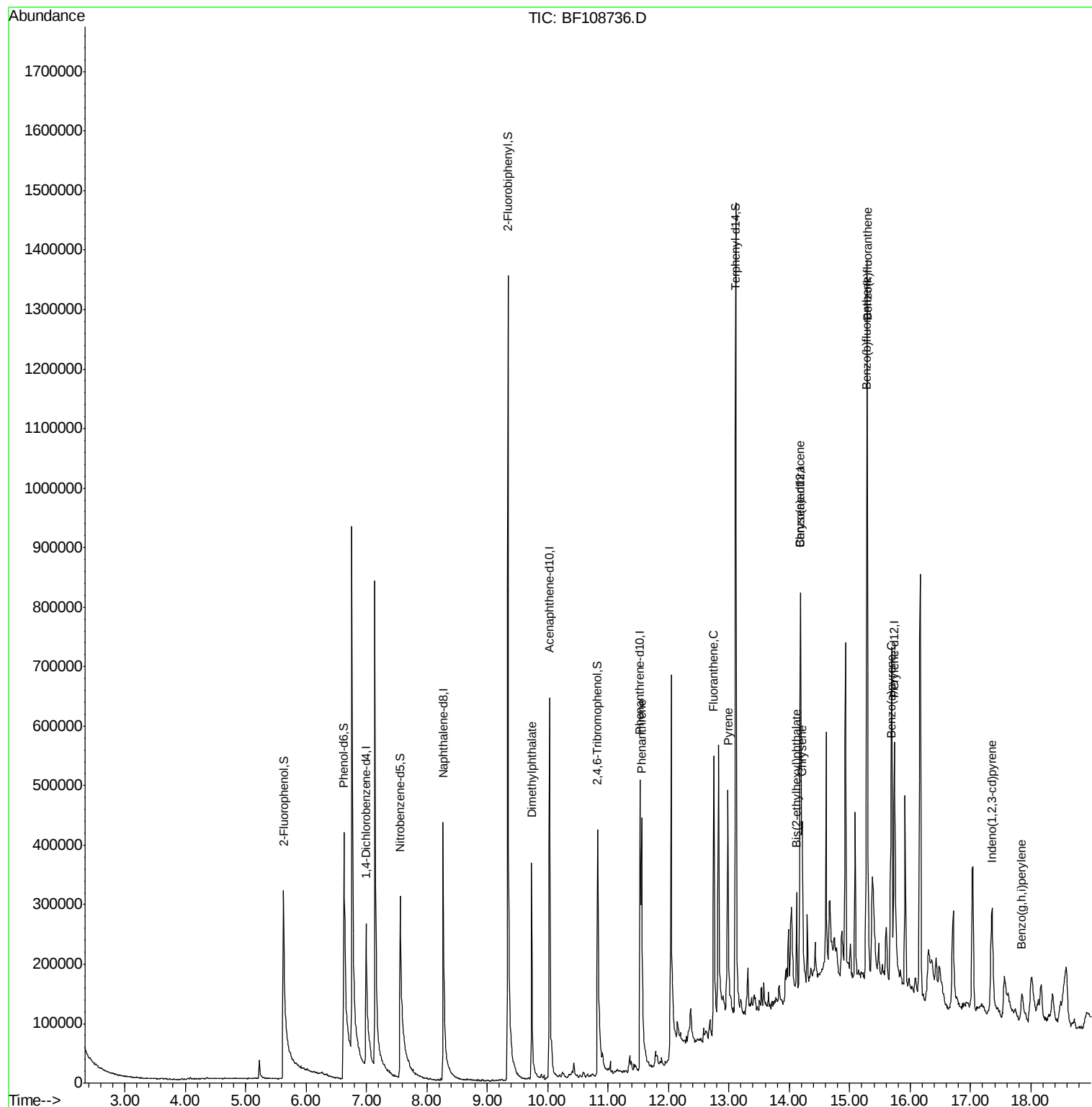
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
Data File : BF108736.D
Acq On : 4 Sep 2018 13:14
Operator : JU/SJ
Sample : J4720-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

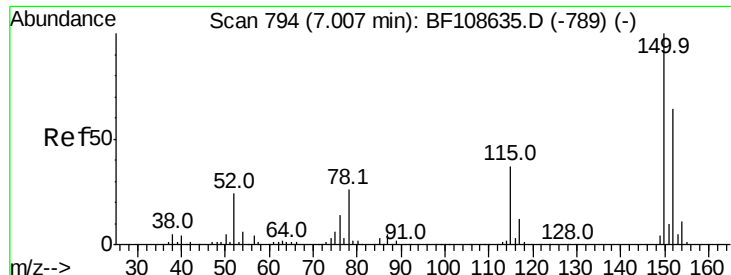
Instrument :
BNA_F
ClientSampled :
BZTRANS-3

Manual Integrations
APPROVED

Sohil
9/5/2018 12:47:14 PM

Quant Time: Sep 04 15:35:24 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 30 15:06:55 2018
Response via : Initial Calibration





#1

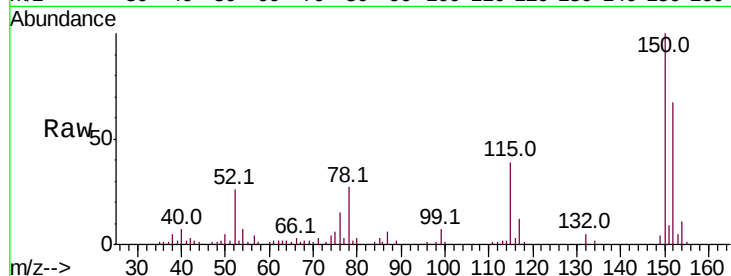
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF108736.D
Acq: 4 Sep 2018 13:14

Instrument :
BNA_F
ClientSampleId :
BZTRANS-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.9	124.6	186.8
115	58.0	50.1	75.1

Manual Integrations
APPROVED

Sohil
9/5/2018 12:47:14 PM

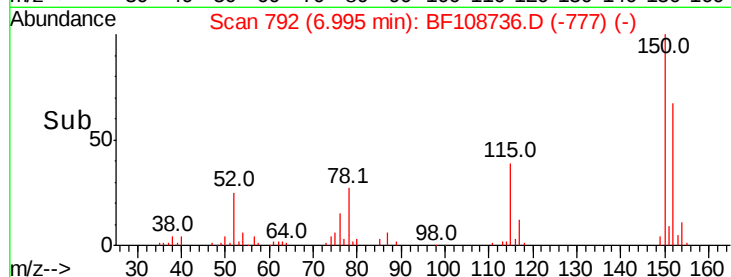
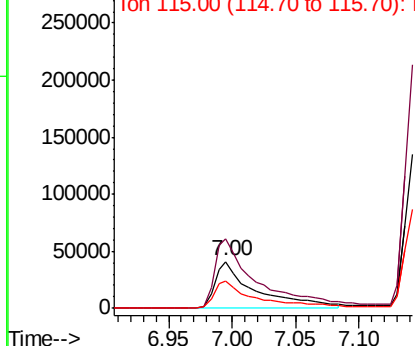


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

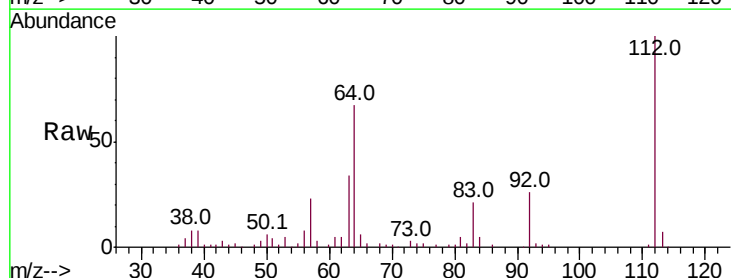
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 51.358 ng
RT: 5.62 min Scan# 559
Delta R.T. -0.02 min
Lab File: BF108736.D
Acq: 4 Sep 2018 13:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.1	47.9	71.9
63	34.5	23.7	35.5

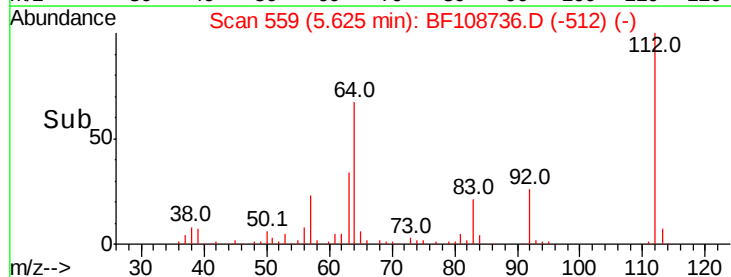
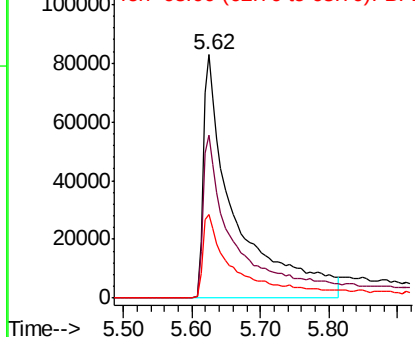


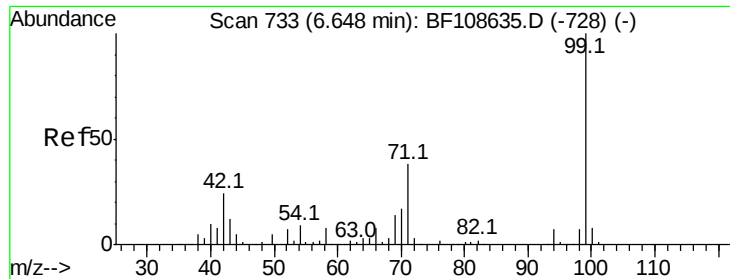
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 64.892 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.02 min

Lab File: BF108736.D

Acq: 4 Sep 2018 13:14

Instrument :

BNA_F

ClientSampleId :

BZTRANS-3

Tot Ion: 99 Resp: 489209

Ion Ratio Lower Upper

99 100

42 21.8 14.5 21.7#

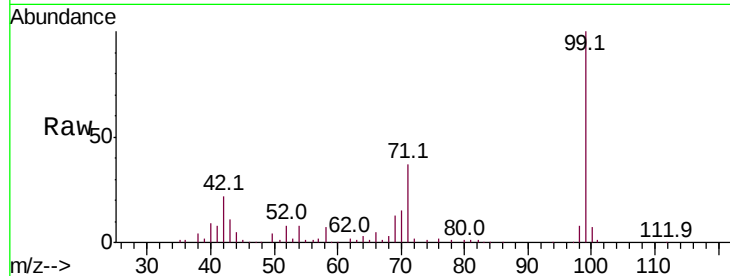
71 36.8 25.4 38.0

Manual Integrations

APPROVED

Sohil

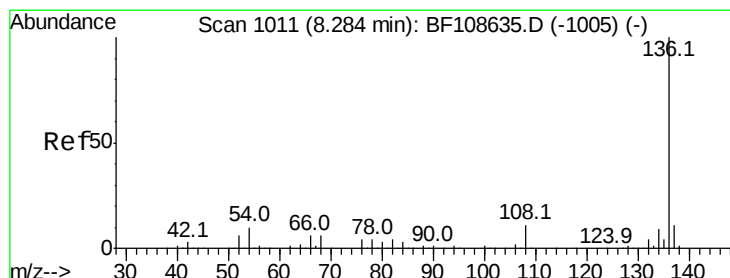
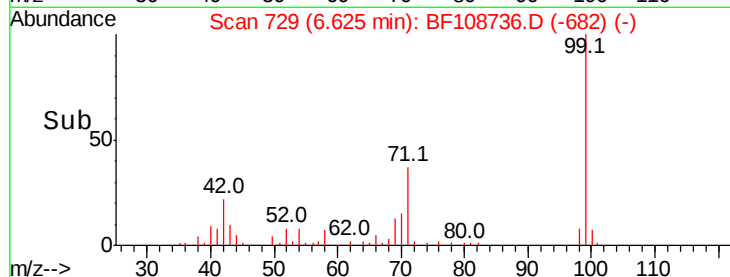
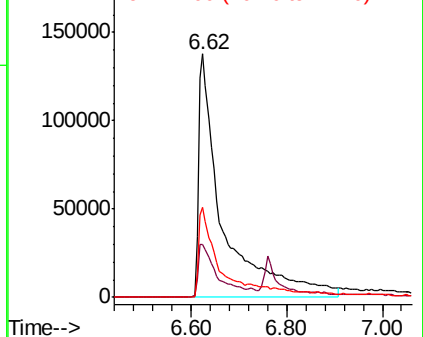
9/5/2018 12:47:14 PM



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: 8.27 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF108736.D

Acq: 4 Sep 2018 13:14

Tgt Ion: 136 Resp: 379733

Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 9.3 6.6 9.8

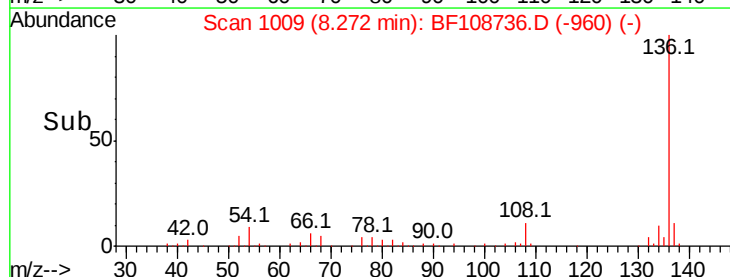
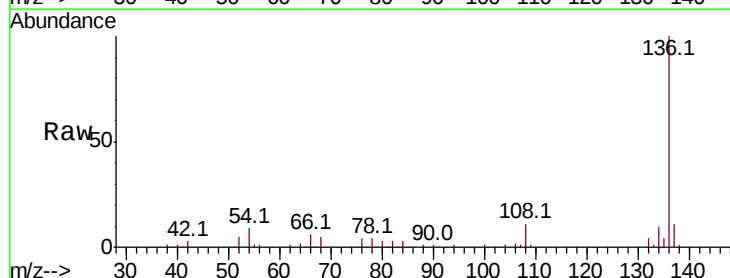
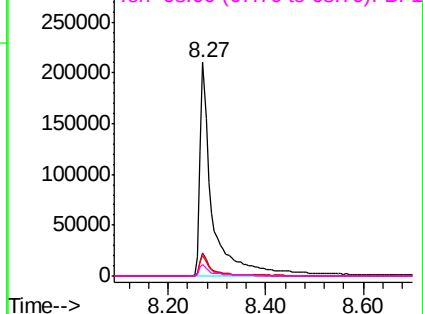
68 5.4 5.0 7.4

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





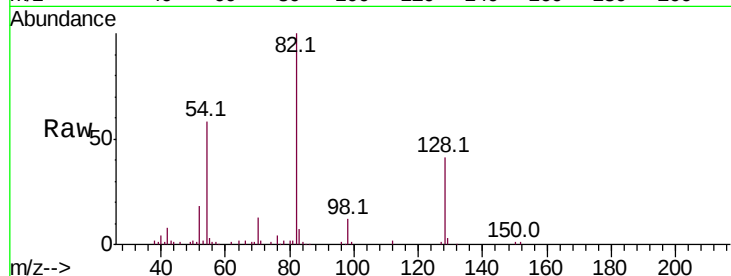
#23
 Nitrobenzene-d5
 Concen: 45.005 ng
 RT: 7.56 min Scan# 888
 Delta R.T. -0.01 min
 Lab File: BF108736.D
 Acq: 4 Sep 2018 13:14

Instrument :
 BNA_F
 ClientSampleId :
 BZTRANS-3

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.6	36.1	54.1
54	57.9	41.4	62.2

Manual Integrations
 APPROVED

Sohil
 9/5/2018 12:47:14 PM

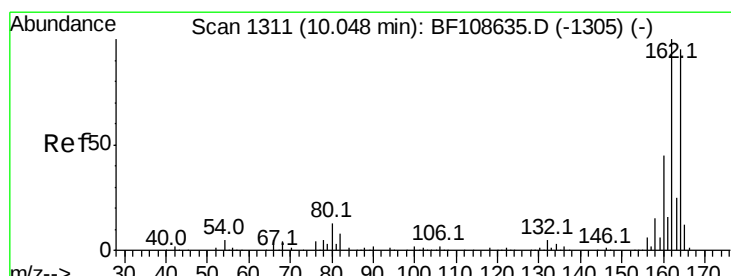
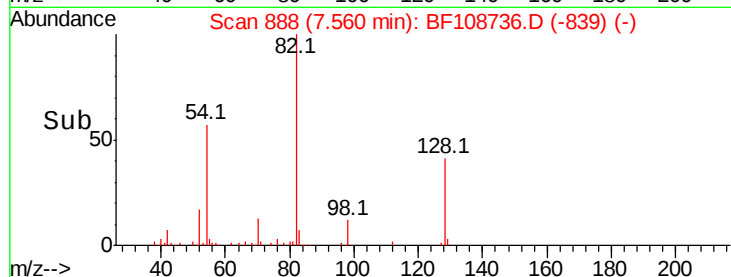
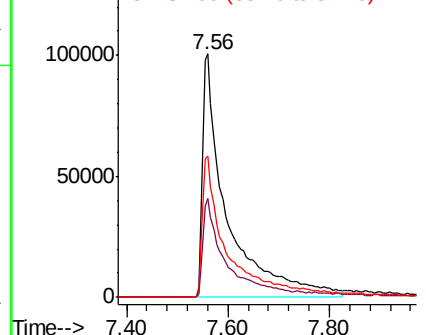


Abundance

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: 10.03 min Scan# 1308
 Delta R.T. -0.02 min
 Lab File: BF108736.D
 Acq: 4 Sep 2018 13:14

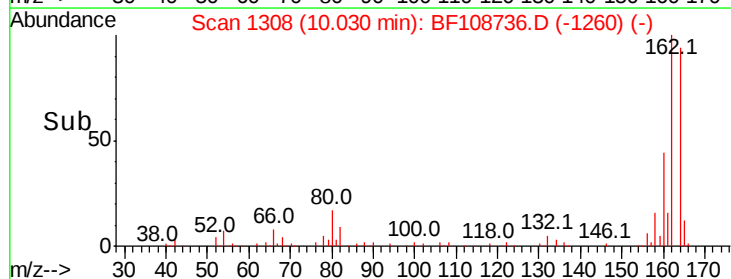
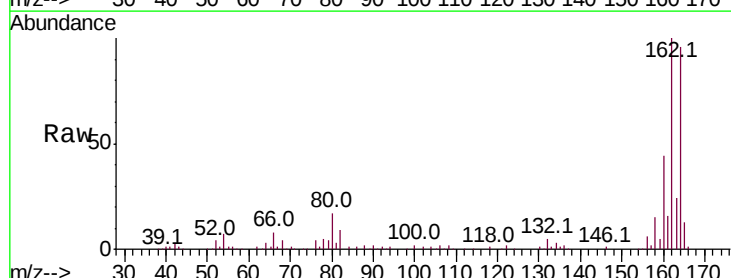
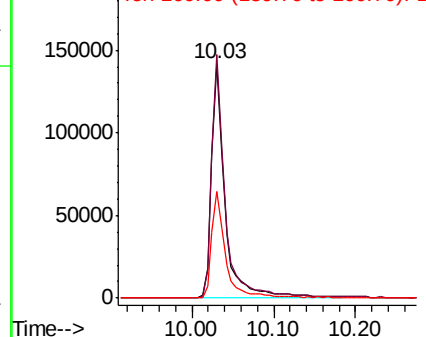
Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.2	86.1	129.1
160	45.7	38.3	57.5

Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





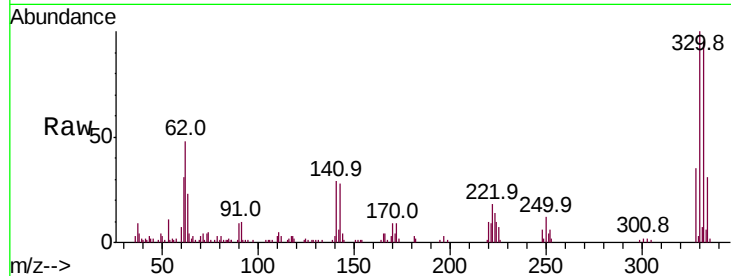
#41
 2,4,6-Tribromophenol
 Concen: 45.279 ng
 RT: 10.83 min Scan# 1444
 Delta R.T. -0.02 min
 Lab File: BF108736.D
 Acq: 4 Sep 2018 13:14

Instrument :
 BNA_F
 ClientSampleId :
 BZTRANS-3

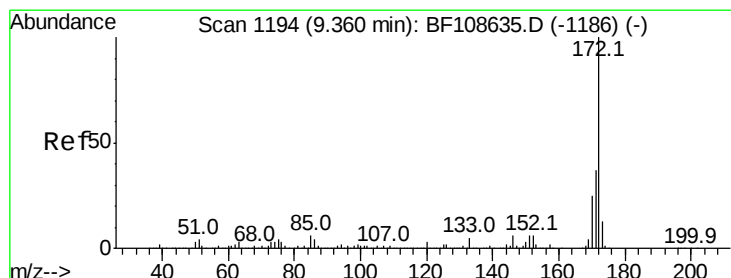
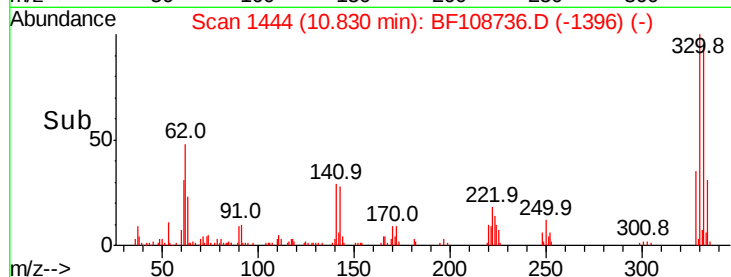
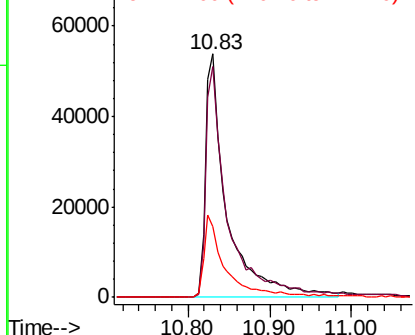
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.4	77.0	115.6	
141	35.1	29.9	44.9	

Manual Integrations
 APPROVED

Sohil
 9/5/2018 12:47:14 PM

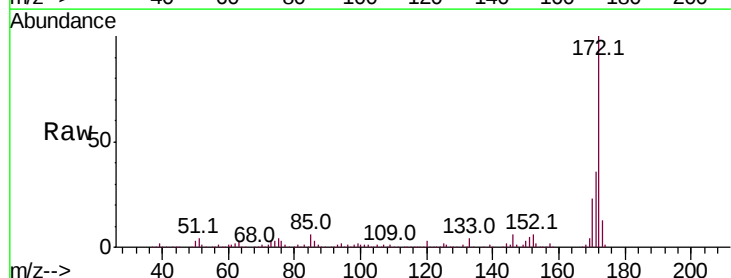


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

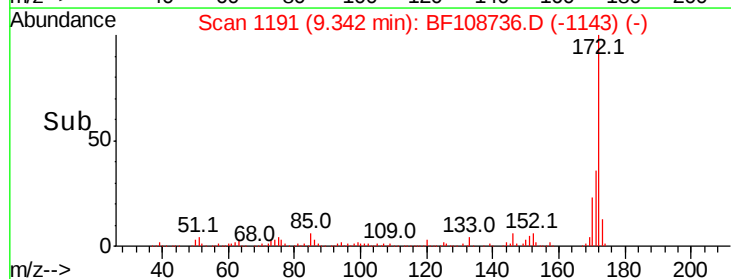
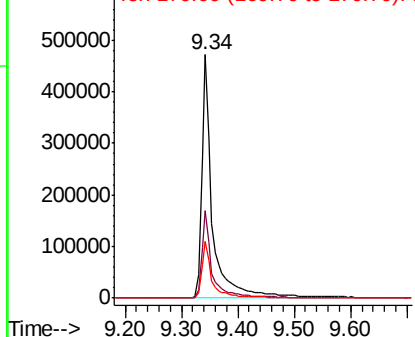


#44
 2-Fluorobiphenyl
 Concen: 51.393 ng
 RT: 9.34 min Scan# 1191
 Delta R.T. -0.02 min
 Lab File: BF108736.D
 Acq: 4 Sep 2018 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.9	29.7	44.5	
170	23.1	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





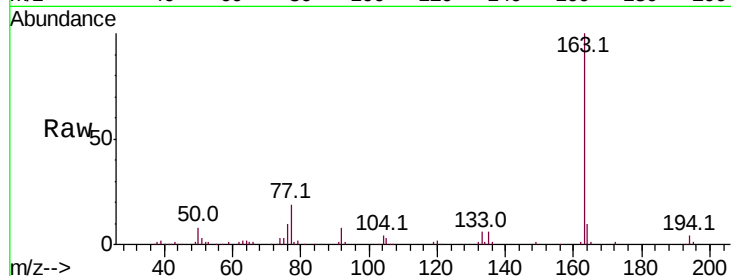
#49
Dimethylphthalate
Concen: 15.907 ng
RT: 9.74 min Scan# 1258
Delta R.T. -0.03 min
Lab File: BF108736.D
Acq: 4 Sep 2018 13:14

Instrument :
BNA_F
ClientSampleId :
BZTRANS-3

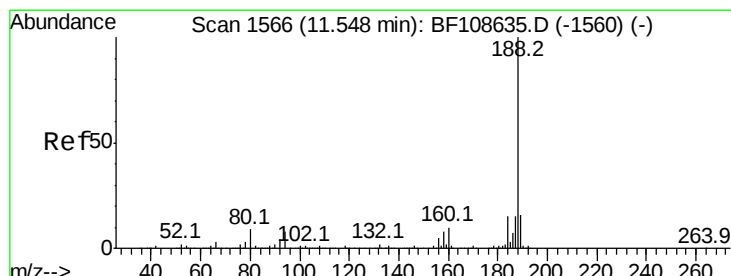
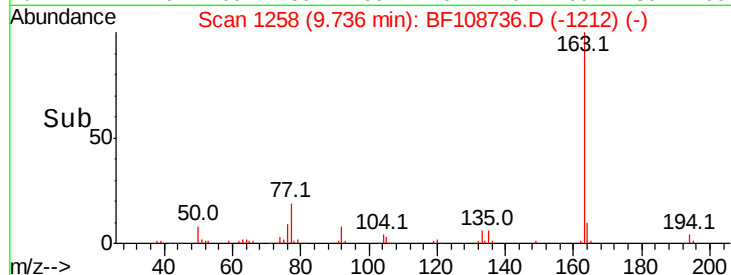
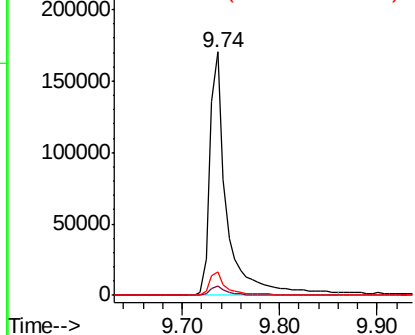
Tot Ion	Ratio	Resp	Lower	Upper
163	100	206549		
194	3.8	2.7	4.1	
164	9.9	8.2	12.2	

Manual Integrations
APPROVED

Sohil
9/5/2018 12:47:14 PM

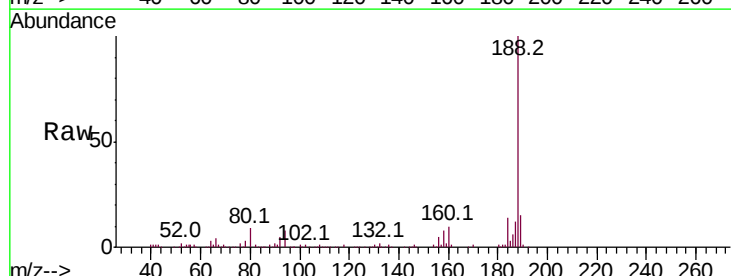


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

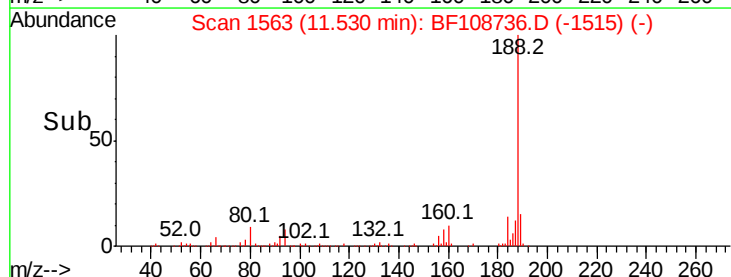
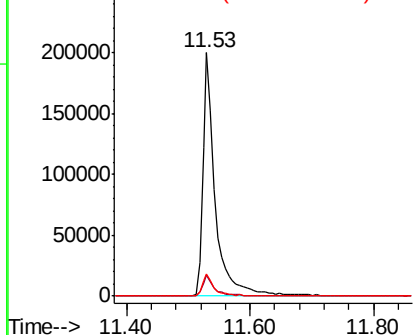


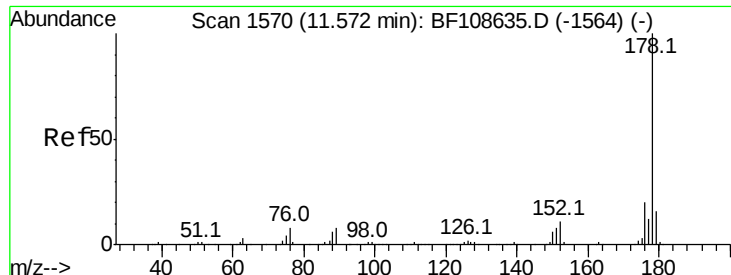
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.53 min Scan# 1563
Delta R.T. -0.02 min
Lab File: BF108736.D
Acq: 4 Sep 2018 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	283789		
94	8.4	8.5	12.7#	
80	9.0	9.2	13.8#	



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





#70

Phenanthrene

Concen: 15.074 ng

RT: 11.55 min Scan# 1567

Delta R.T. -0.02 min

Lab File: BF108736.D

Acq: 4 Sep 2018 13:14

Instrument :

BNA_F

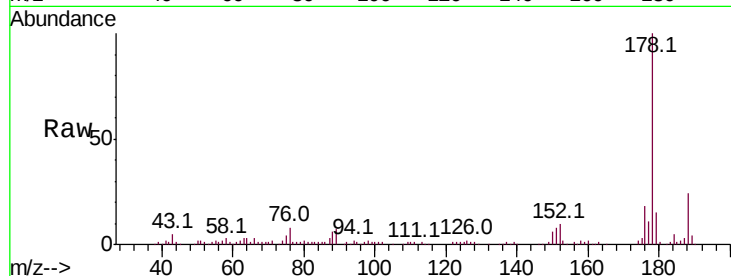
ClientSampleId :

BZTRANS-3

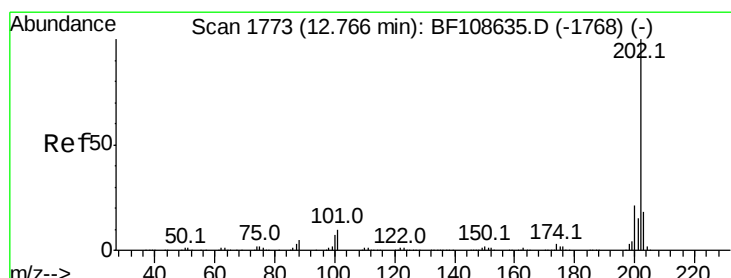
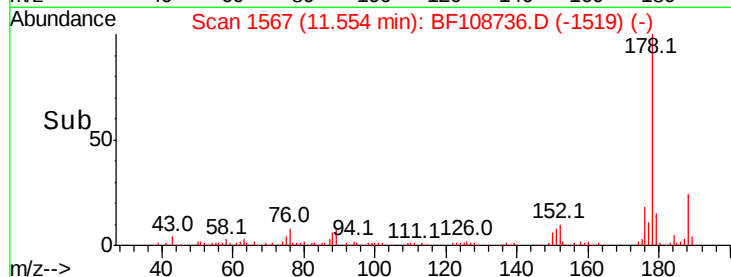
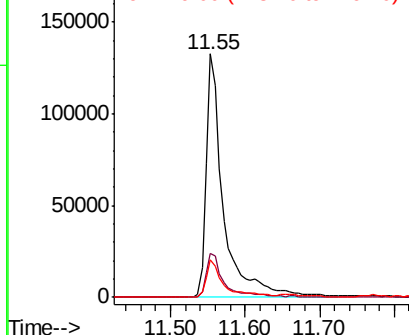
Tot Ion:	178	Resp:	215922
Ion Ratio	Lower	Upper	
178	100		
176	18.2	15.8	23.8
179	15.2	13.0	19.6

Manual Integrations
APPROVED

Sohil
9/5/2018 12:47:14 PM



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 17.859 ng

RT: 12.75 min Scan# 1770

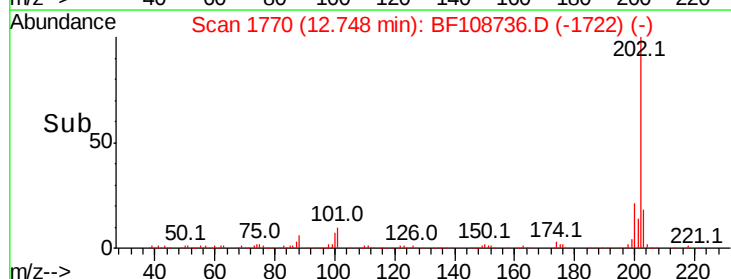
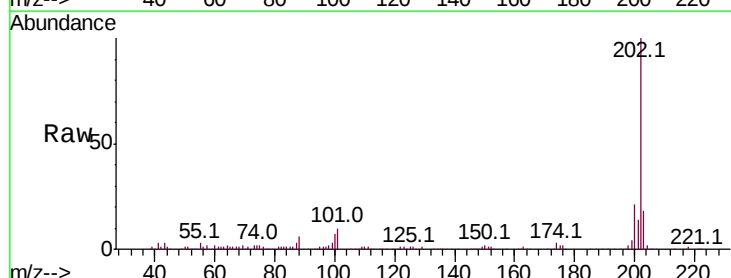
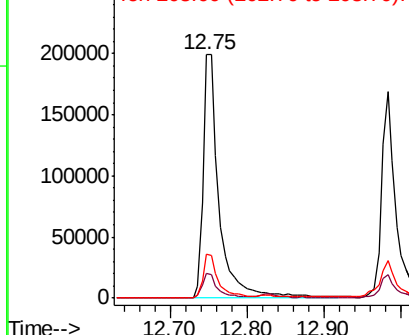
Delta R.T. -0.02 min

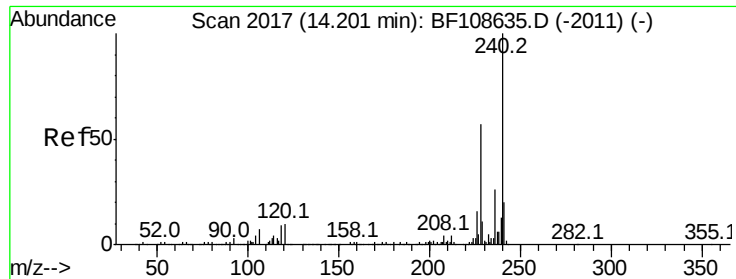
Lab File: BF108736.D

Acq: 4 Sep 2018 13:14

Tgt Ion:	202	Resp:	287952
Ion Ratio	Lower	Upper	
202	100		
101	10.1	0.0	34.1
203	17.8	0.0	38.1

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.19 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF108736.D

Acq: 4 Sep 2018 13:14

Instrument :

BNA_F

ClientSampleID :

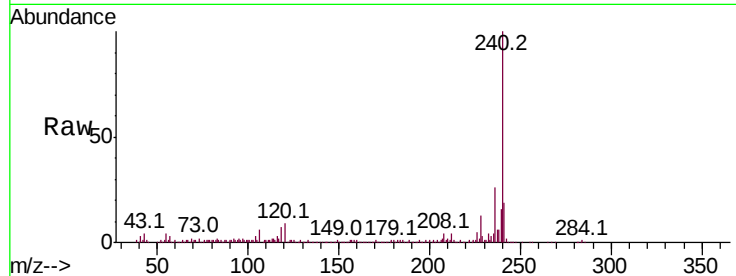
BZTRANS-3

Tot Ion	Ratio	Resp	Lower	Upper
240	100	290210		
120	8.5	9.5	14.3	
236	26.0	20.7	31.1	

Manual Integrations
APPROVED

Sohil

9/5/2018 12:47:14 PM

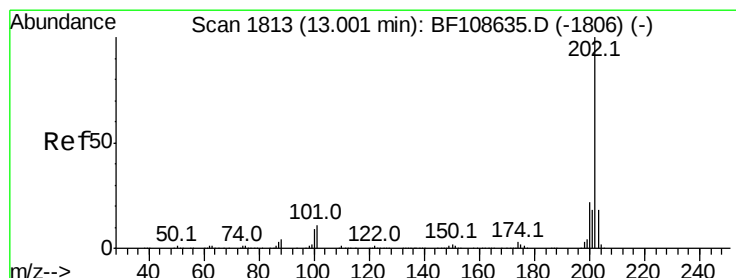
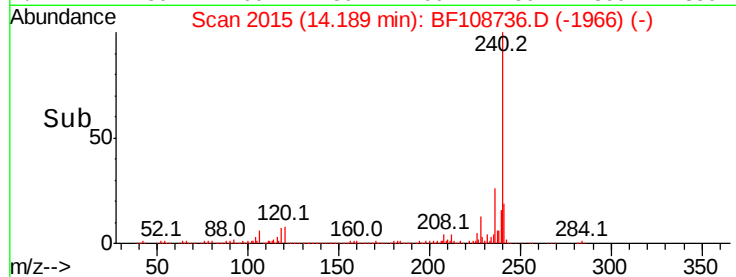
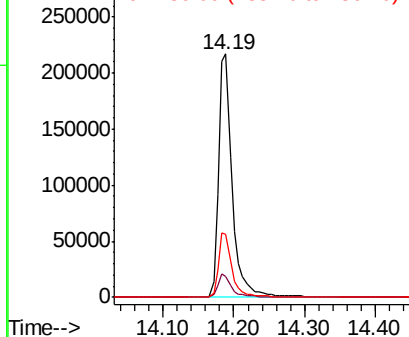


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 10.195 ng

RT: 12.98 min Scan# 1810

Delta R.T. -0.02 min

Lab File: BF108736.D

Acq: 4 Sep 2018 13:14

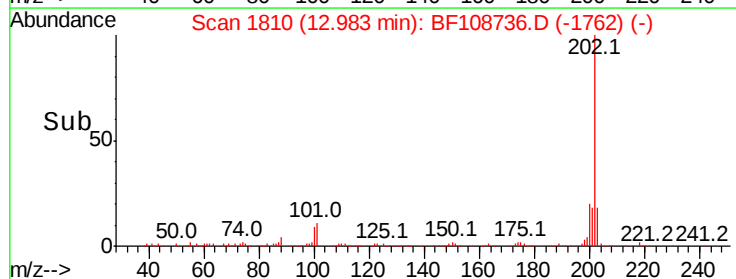
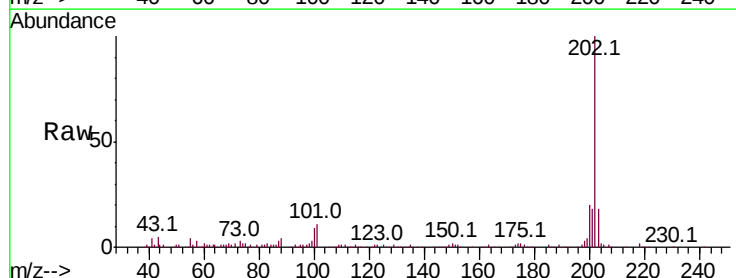
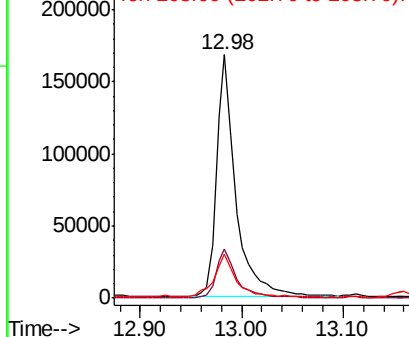
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	222416		
200	20.2	17.4	26.2	
203	18.1	14.3	21.5	

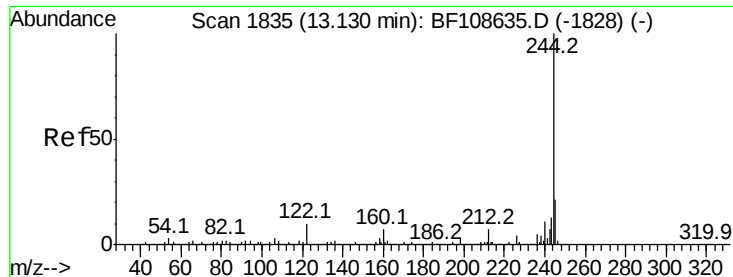
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 38.206 ng

RT: 13.11 min Scan# 1832

Delta R.T. -0.02 min

Lab File: BF108736.D

Acq: 4 Sep 2018 13:14

Instrument :

BNA_F

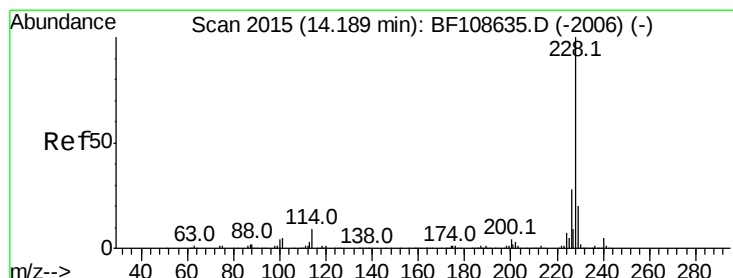
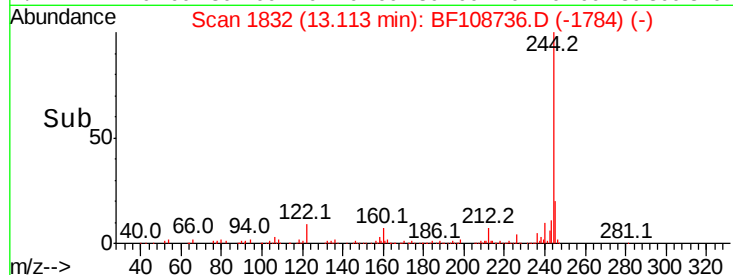
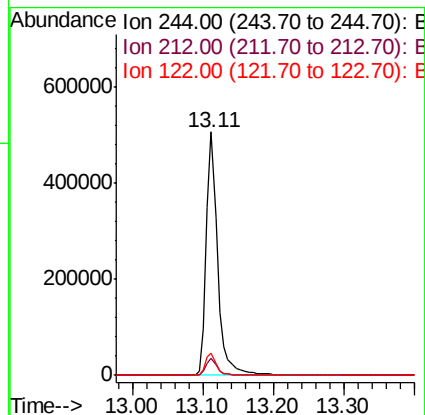
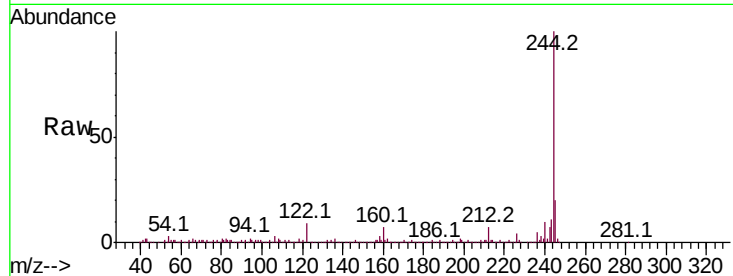
ClientSampleId :

BZTRANS-3

Tot Ion:	244	Resp:	570660
Ion Ratio	Lower	Upper	
244	100		
212	7.2	5.4	8.0
122	9.1	11.0	16.4

Manual Integrations
APPROVED

Sohil
9/5/2018 12:47:14 PM



#80

Benzo(a)anthracene

Concen: 4.501 ng

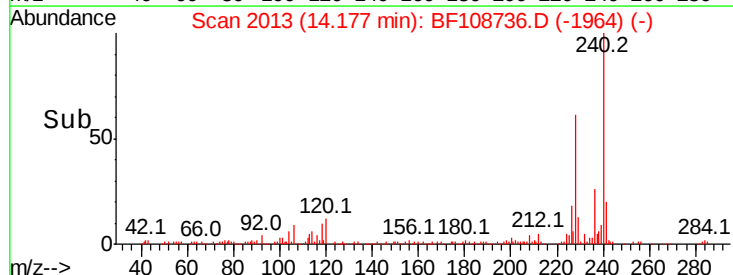
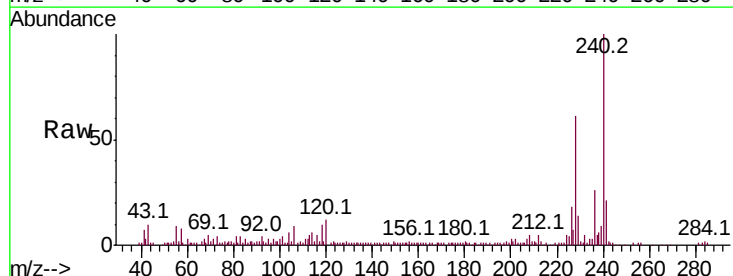
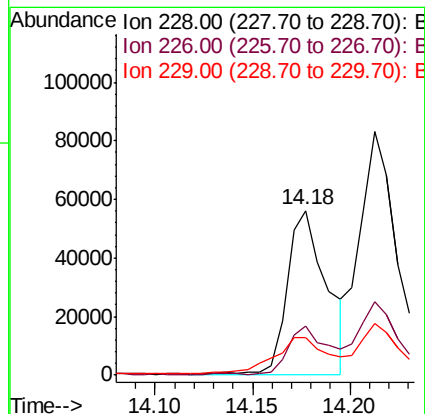
RT: 14.18 min Scan# 2013

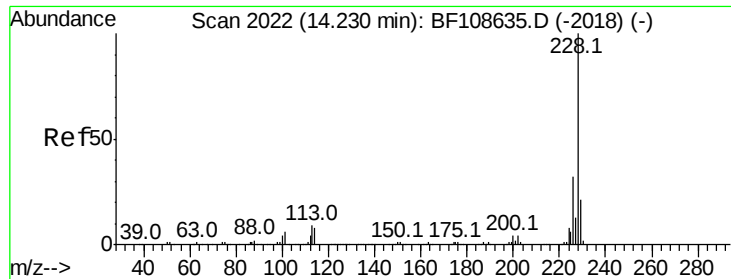
Delta R.T. -0.01 min

Lab File: BF108736.D

Acq: 4 Sep 2018 13:14

Tgt Ion:	228	Resp:	79640
Ion Ratio	Lower	Upper	
228	100		
226	29.7	22.6	33.8
229	22.6	15.8	23.6





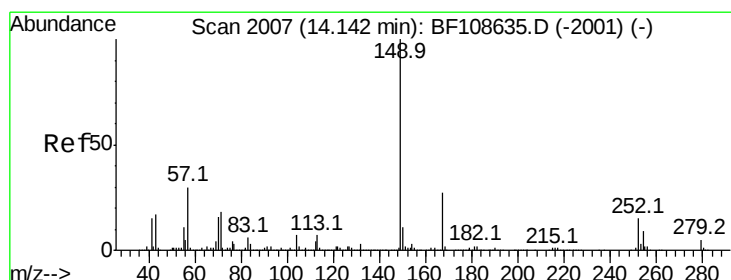
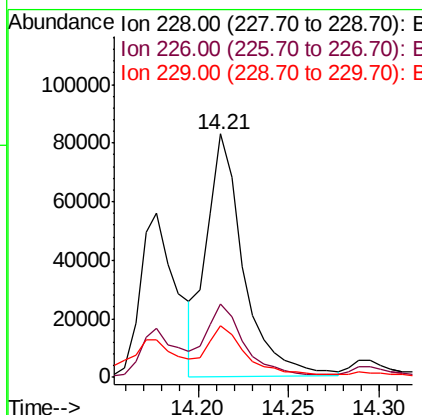
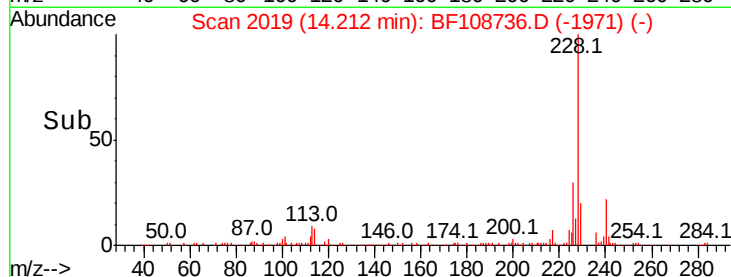
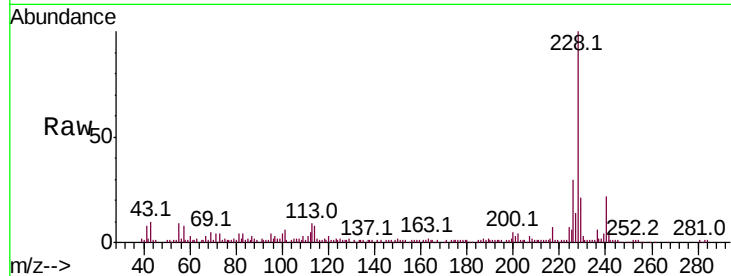
#82
Chrysene
Concen: 6.892 ng
RT: 14.21 min Scan# 2019
Delta R.T. -0.02 min
Lab File: BF108736.D
Acq: 4 Sep 2018 13:14

Instrument :
BNA_F
ClientSampled :
BZTRANS-3

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.6
229	21.1	16.2	24.4

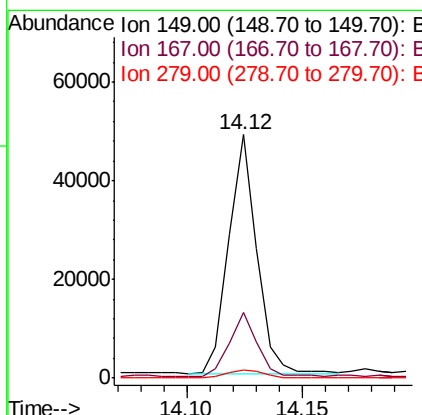
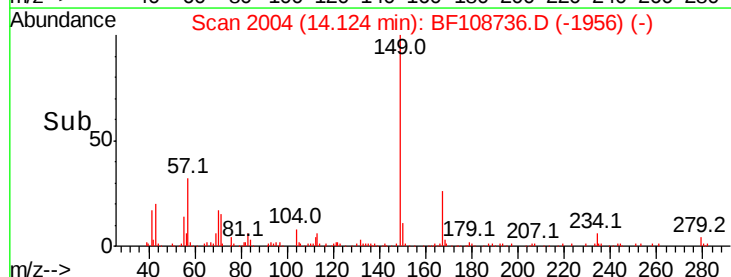
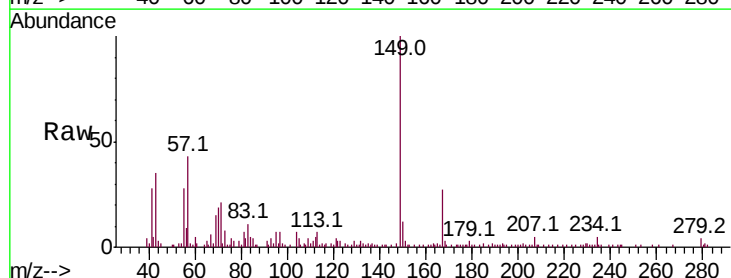
Manual Integrations
APPROVED

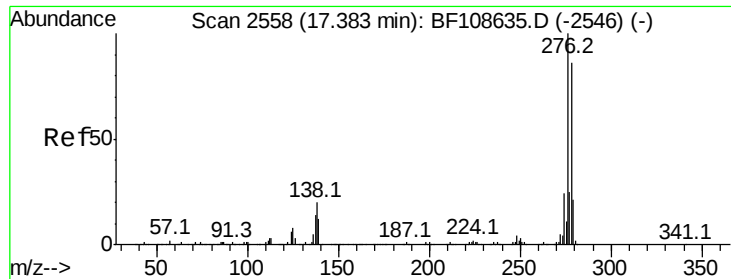
Sohil
9/5/2018 12:47:14 PM



#83
Bis(2-ethylhexyl)phthalate
Concen: 3.460 ng
RT: 14.12 min Scan# 2004
Delta R.T. -0.02 min
Lab File: BF108736.D
Acq: 4 Sep 2018 13:14

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.3	31.9
279	3.6	3.0	4.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 4.781 ng

RT: 17.35 min Scan# 2553

Delta R.T. -0.03 min

Lab File: BF108736.D

Acq: 4 Sep 2018 13:14

Instrument :

BNA_F

ClientSampleId :

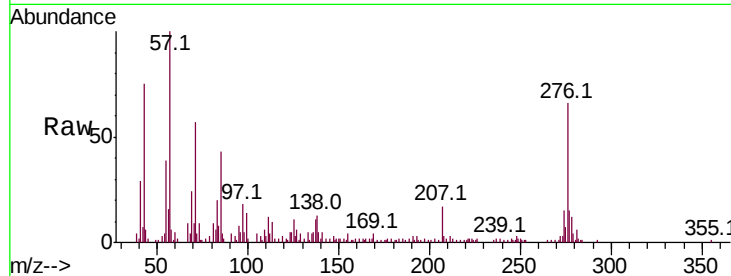
BZTRANS-3

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.6	25.0	37.6#
277	29.8	20.1	30.1

Manual Integrations
APPROVED

Sohil

9/5/2018 12:47:14 PM

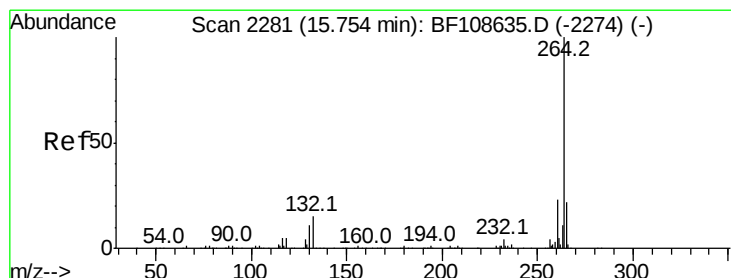
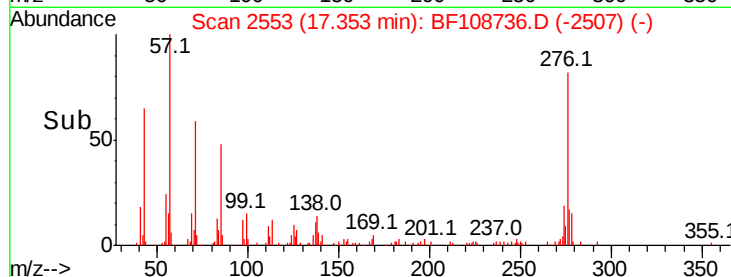
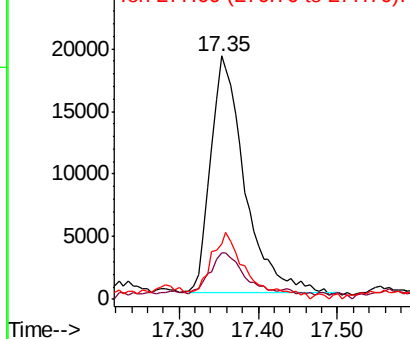


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.74 min Scan# 2279

Delta R.T. -0.01 min

Lab File: BF108736.D

Acq: 4 Sep 2018 13:14

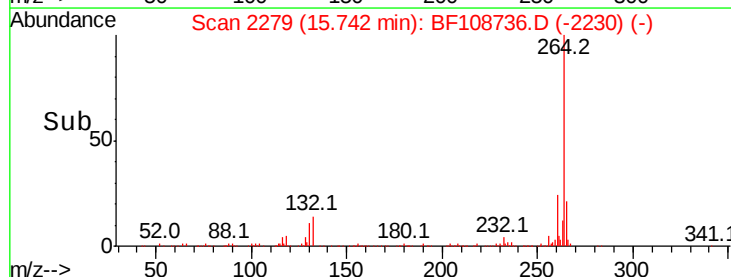
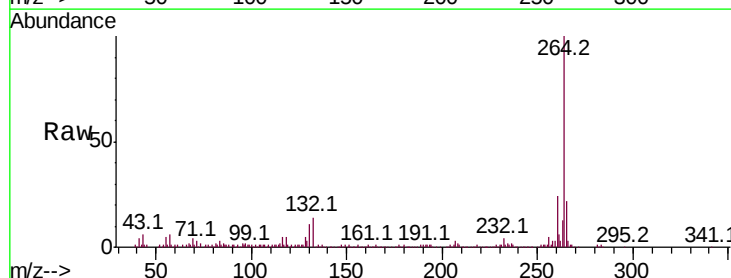
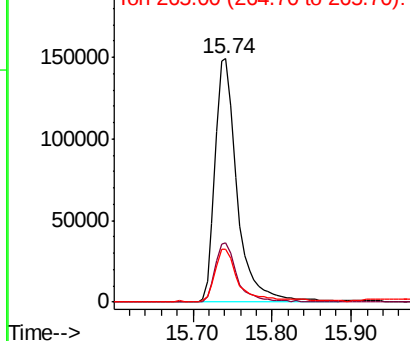
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.6	17.5	26.3

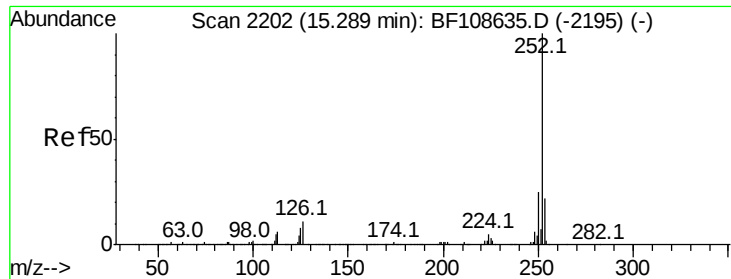
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





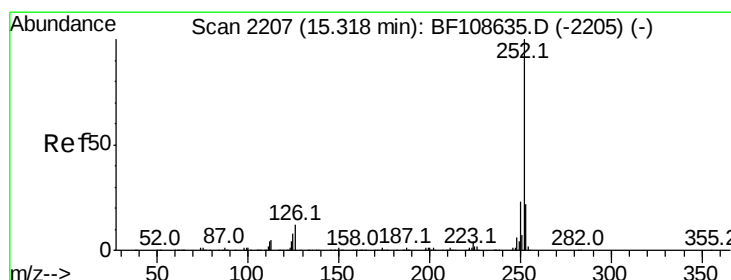
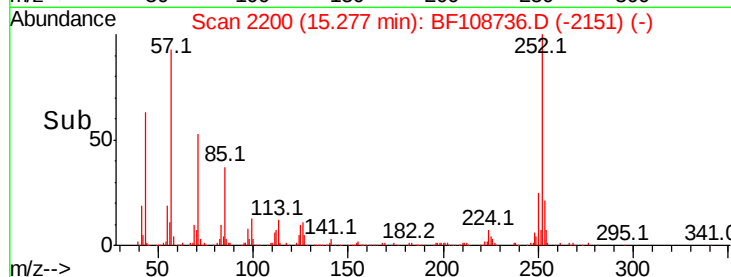
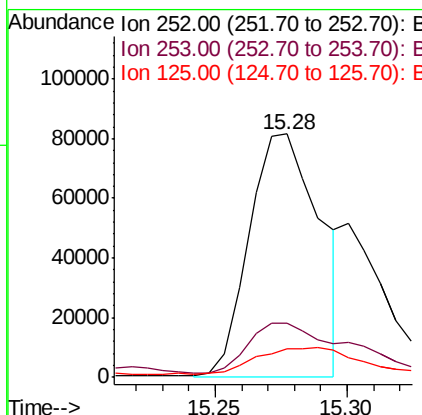
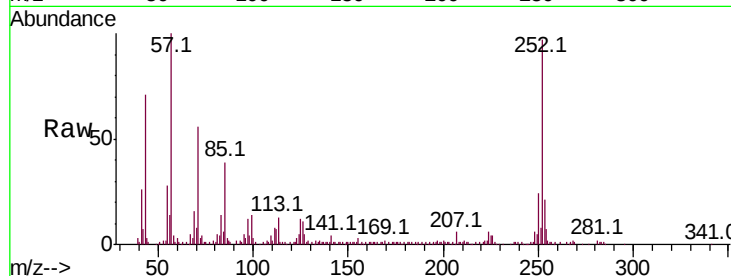
#87
Benzo(b)fluoranthene
Concen: 8.540 ng m
RT: 15.28 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF108736.D
Acq: 4 Sep 2018 13:14

Instrument :
BNA_F
ClientSampled :
BZTRANS-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.0	25.6
125	11.9	9.0	13.6

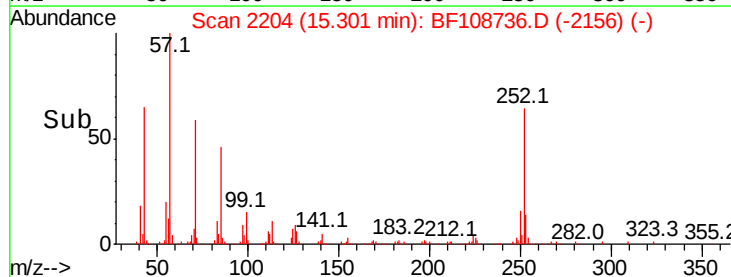
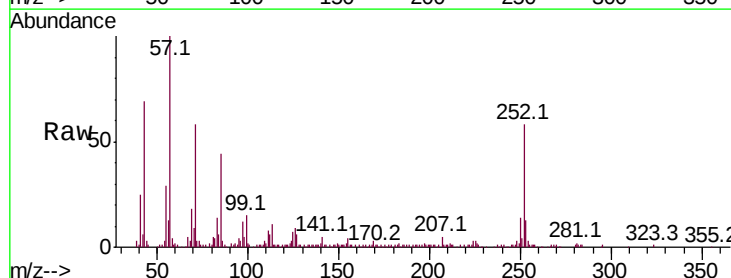
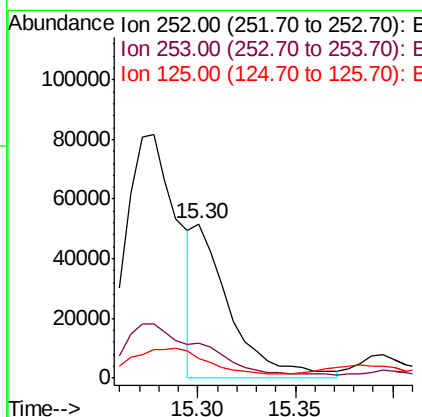
Manual Integrations
APPROVED

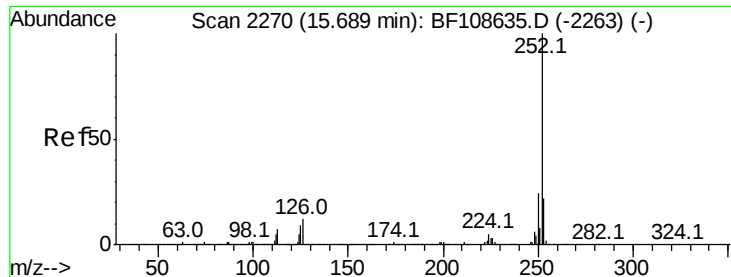
Sohil
9/5/2018 12:47:14 PM



#88
Benzo(k)fluoranthene
Concen: 3.790 ng m
RT: 15.30 min Scan# 2204
Delta R.T. -0.02 min
Lab File: BF108736.D
Acq: 4 Sep 2018 13:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	12.9	10.2	15.2





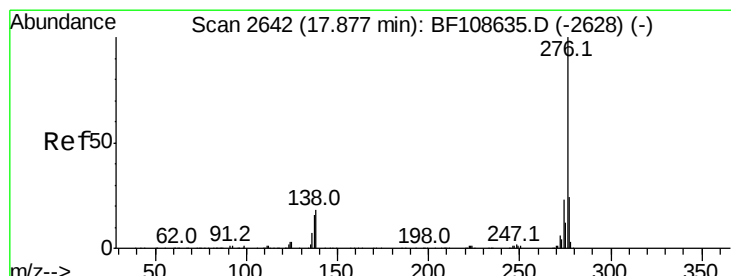
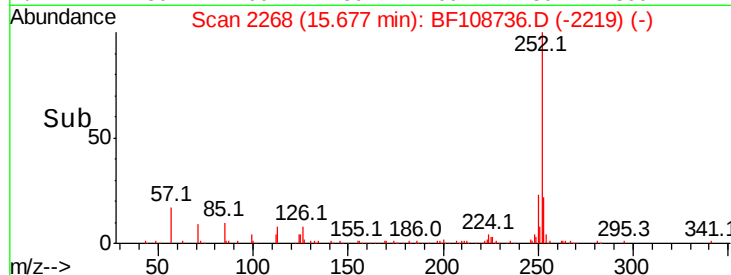
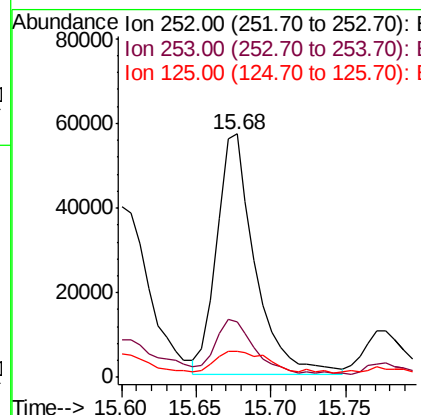
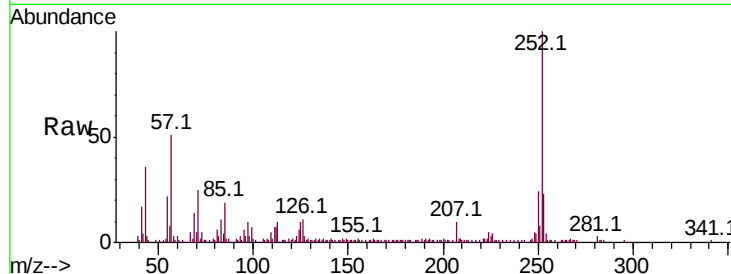
#89
Benzo(a)pyrene
Concen: 6.260 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF108736.D
Acq: 4 Sep 2018 13:14

Instrument :
BNA_F
ClientSampleId :
BZTRANS-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	10.5	9.8	14.6

Manual Integrations
APPROVED

Sohil
9/5/2018 12:47:14 PM



#91
Benzo(g,h,i)perylene
Concen: 4.223 ng
RT: 17.85 min Scan# 2638
Delta R.T. -0.02 min
Lab File: BF108736.D
Acq: 4 Sep 2018 13:14

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.3	17.9	26.9#
138	19.8	21.8	32.8#

