

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061416\
 Data File : BF088020.D
 Acq On : 15 Jun 2016 1:50
 Operator : UM/SJ
 Sample : H3471-07
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STA-1037-(0-4)

Manual Integrations
 APPROVED

sohil
 6/15/2016 6:41:58 PM

Quant Time: Jun 15 05:28:20 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 15 04:08:24 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	98620	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	376995	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	167949	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	267907	20.00	ng	0.00
75) Chrysene-d12	13.94	240	243036	20.00	ng	0.00
86) Perylene-d12	15.35	264	186145	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	695100	120.49	ng	0.01
7) Phenol-d6	6.42	99	993127	142.05	ng	0.00
23) Nitrobenzene-d5	7.35	82	530131	82.11	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	175136	98.76	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	933708	87.50	ng	0.00
78) Terphenyl-d14	12.89	244	662792	62.06	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.54	163	222481	18.29	ng	99
70) Phenanthrene	11.32	178	99998	7.11	ng	99
71) Anthracene	11.38	178	42075	2.97	ng	97
74) Fluoranthene	12.51	202	265088	17.87	ng	98
77) Pyrene	12.74	202	261815	14.52	ng	99
80) Benzo(a)anthracene	13.93	228	141671	10.23	ng	96
82) Chrysene	13.97	228	131927m	10.13	ng	
85) Indeno(1,2,3-cd)pyrene	16.70	276	41493	3.43	ng	# 100
87) Benzo(b)fluoranthene	14.95	252	139014m	10.71	ng	
88) Benzo(k)fluoranthene	14.96	252	59938m	6.12	ng	
89) Benzo(a)pyrene	15.29	252	82273m	7.84	ng	
91) Benzo(a,h,i)perylene	17.11	276	37507	3.74	ng	98

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

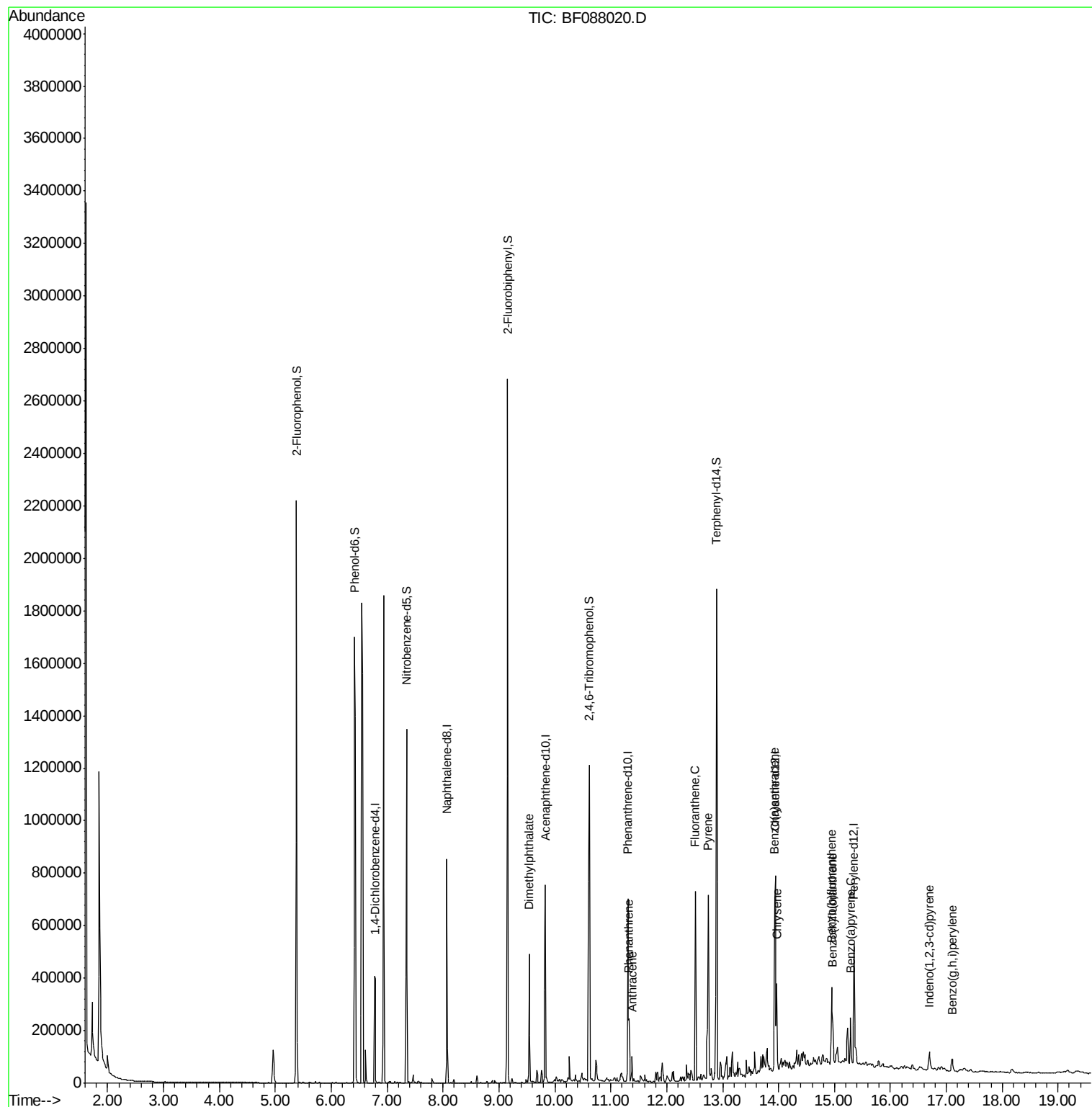
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061416\
Data File : BF088020.D
Acq On : 15 Jun 2016 1:50
Operator : UM/SJ
Sample : H3471-07
Misc :
ALS Vial : 24 Sample Multiplier: 1

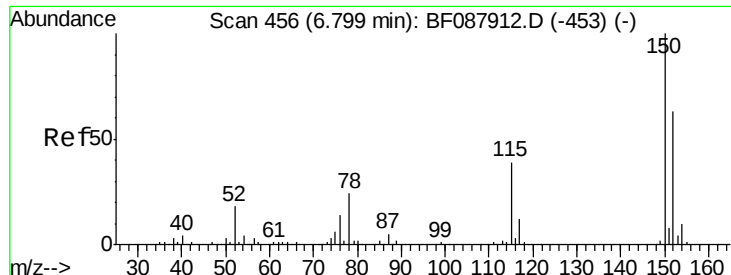
Instrument :
BNA_F
ClientSampleId :
STA-1037-(0-4)

Manual Integrations
APPROVED

sohil
6/15/2016 6:41:58 PM

Quant Time: Jun 15 05:28:20 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 15 04:08:24 2016
Response via : Initial Calibration





#1

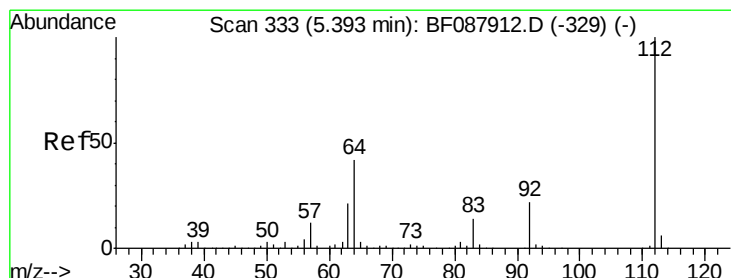
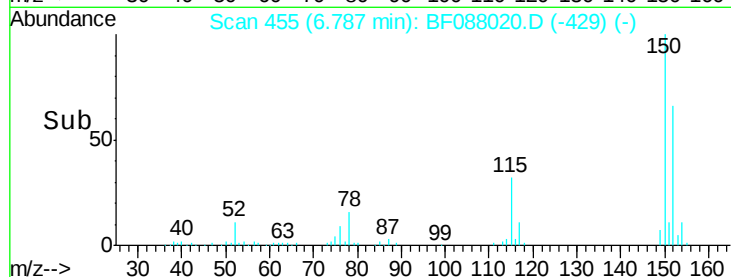
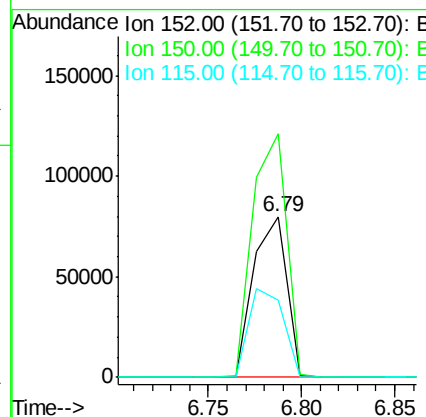
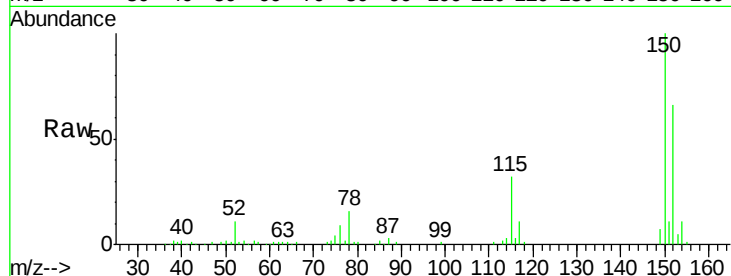
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.79 min Scan# 455
Delta R.T. 0.00 min
Lab File: BF088020.D
Acq: 15 Jun 2016 1:50

Instrument :
BNA_F
ClientSampleId :
STA-1037-(0-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.3	123.8	185.6
115	48.2	39.6	59.4

Manual Integrations
APPROVED

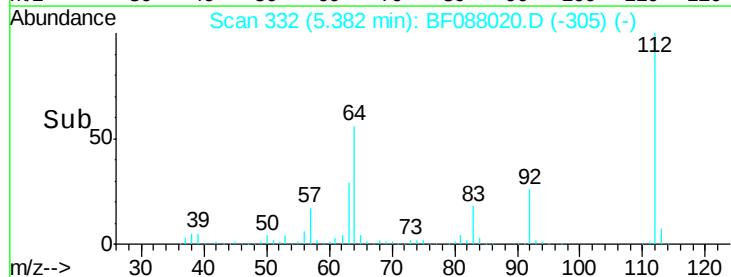
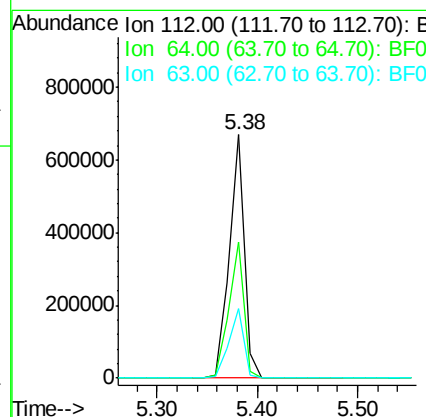
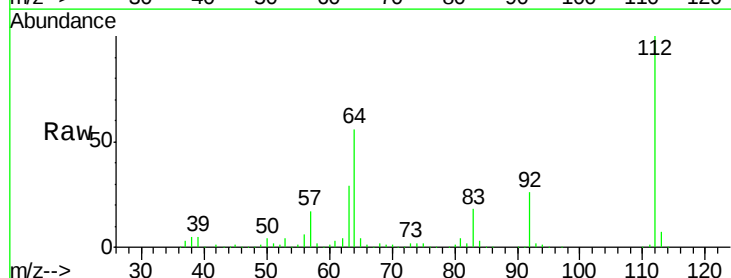
sohil
6/15/2016 6:41:58 PM

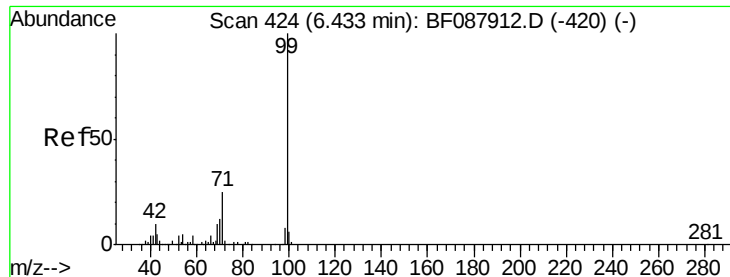


#5

2-Fluorophenol
Concen: 120.49 ng
RT: 5.38 min Scan# 332
Delta R.T. 0.01 min
Lab File: BF088020.D
Acq: 15 Jun 2016 1:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	42.2	63.2
63	28.7	21.8	32.8





#7

Phenol-d6

Concen: 142.05 ng

RT: 6.42 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF088020.D

Acq: 15 Jun 2016 1:50

Instrument :

BNA_F

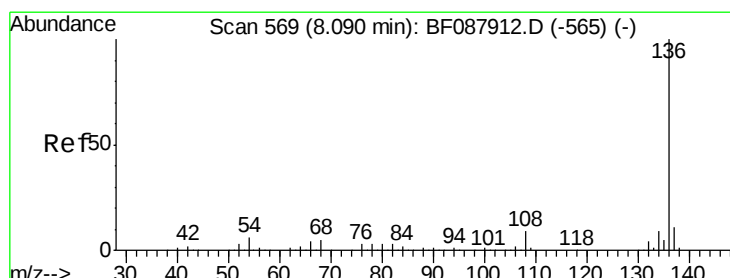
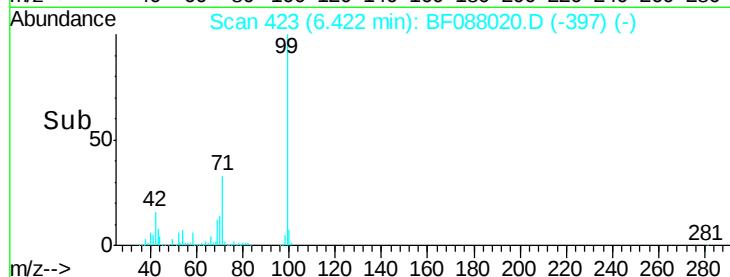
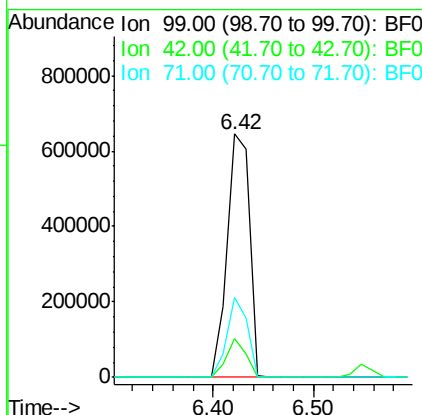
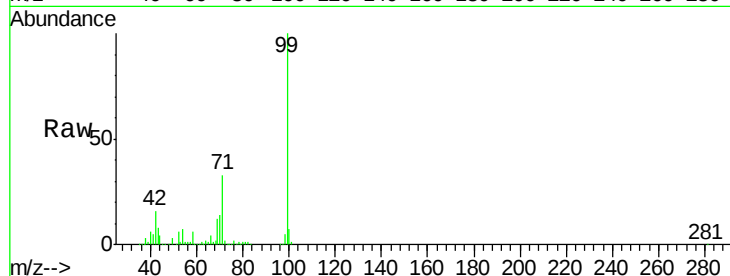
ClientSampleId :

STA-1037-(0-4)

Tot Ion:	99	Resp:	993127
Ion Ratio		Lower	Upper
99	100		
42	16.1	12.2	18.2
71	32.6	23.4	35.0

Manual Integrations
APPROVED

sohil
6/15/2016 6:41:58 PM



#21

Naphthalene-d8

Concen: 20.00 ng

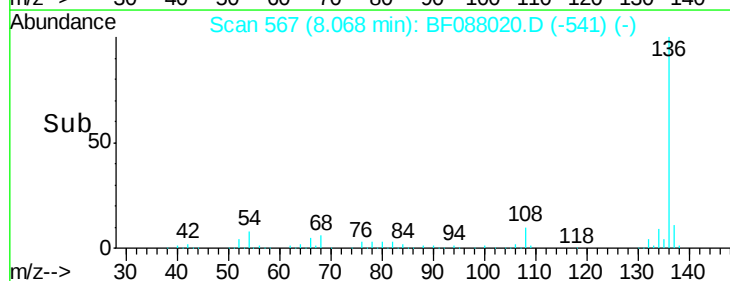
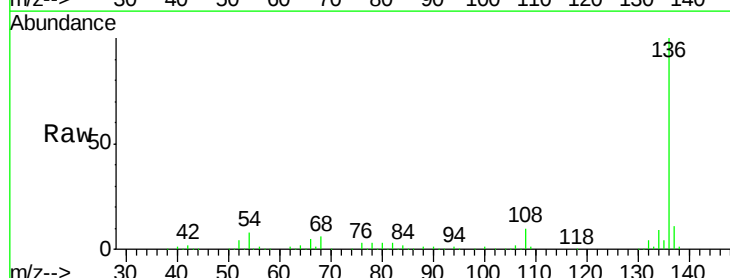
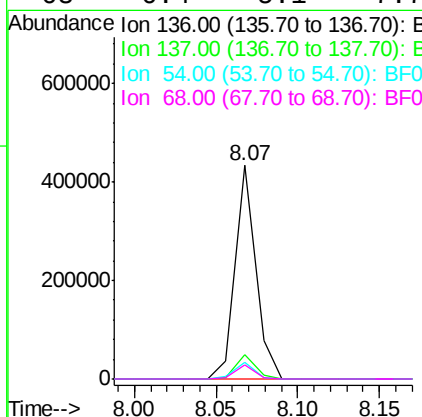
RT: 8.07 min Scan# 567

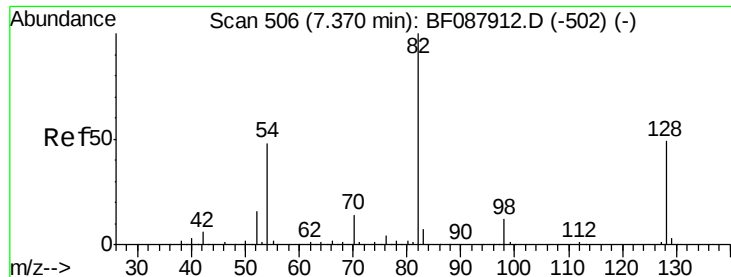
Delta R.T. 0.00 min

Lab File: BF088020.D

Acq: 15 Jun 2016 1:50

Tgt Ion:	136	Resp:	376995
Ion Ratio		Lower	Upper
136	100		
137	11.3	9.1	13.7
54	7.8	6.6	10.0
68	6.4	5.1	7.7





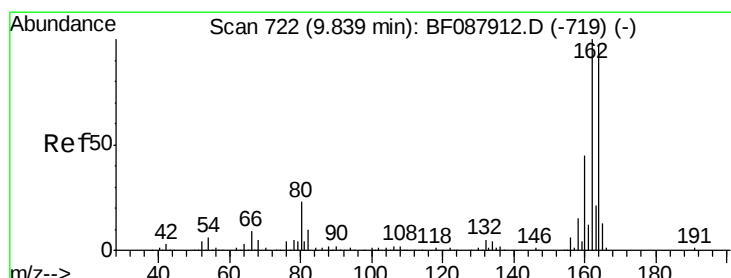
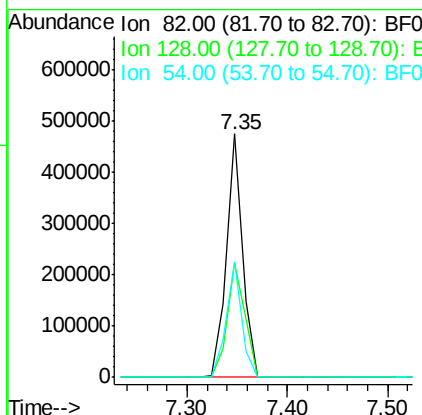
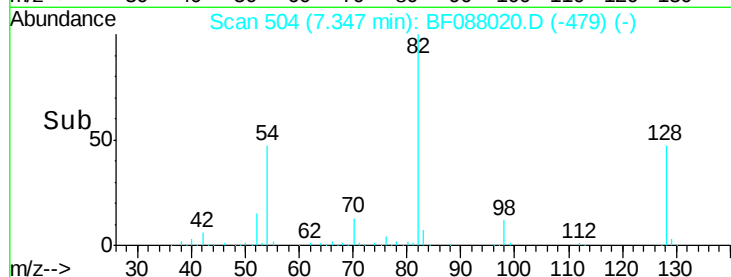
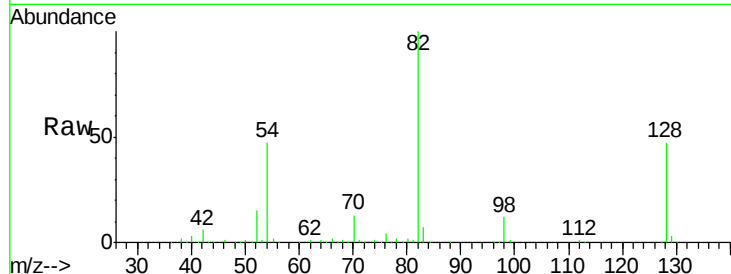
#23
 Nitrobenzene-d5
 Concen: 82.11 ng
 RT: 7.35 min Scan# 504
 Delta R.T. -0.01 min
 Lab File: BF088020.D
 Acq: 15 Jun 2016 1:50

Instrument :
 BNA_F
 ClientSampleId :
 STA-1037-(0-4)

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.7	35.9	53.9
54	47.4	40.9	61.3

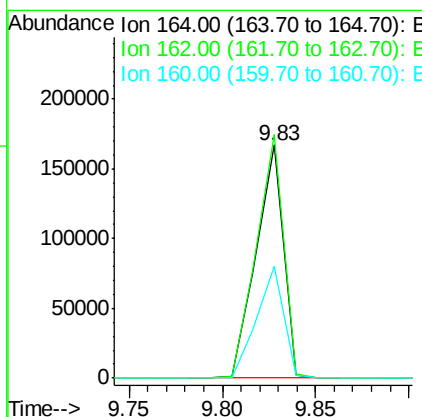
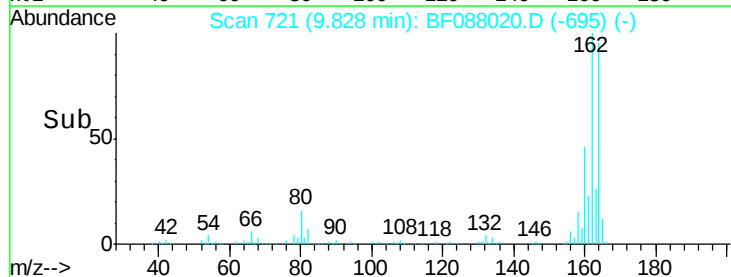
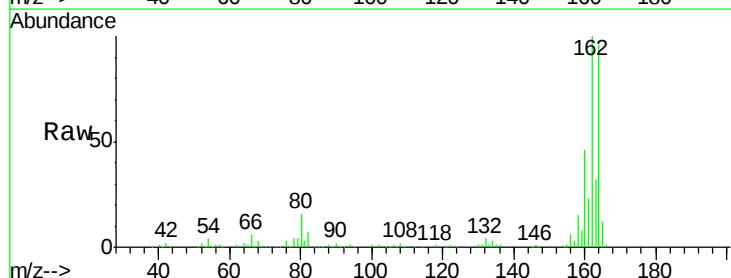
Manual Integrations
 APPROVED

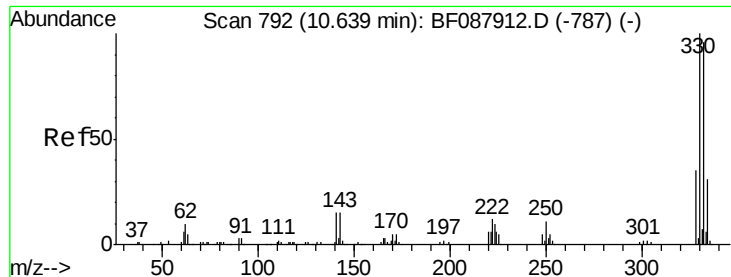
sohil
 6/15/2016 6:41:58 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.83 min Scan# 721
 Delta R.T. 0.00 min
 Lab File: BF088020.D
 Acq: 15 Jun 2016 1:50

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.4	85.4	128.2
160	48.1	39.5	59.3





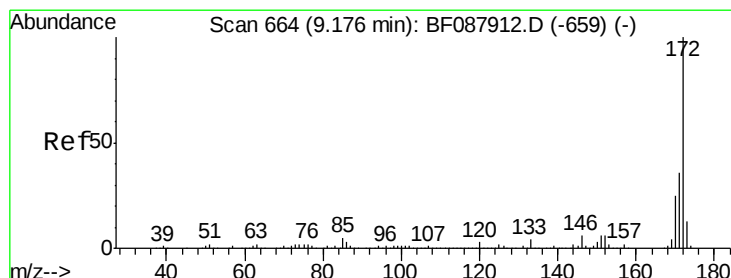
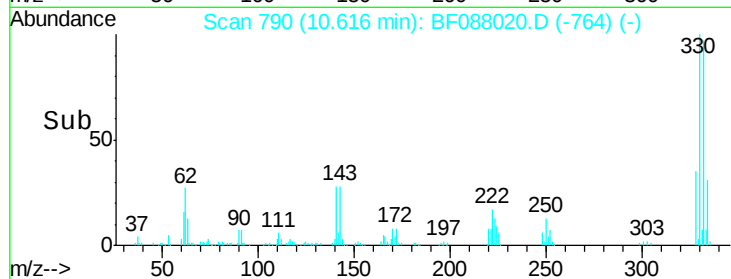
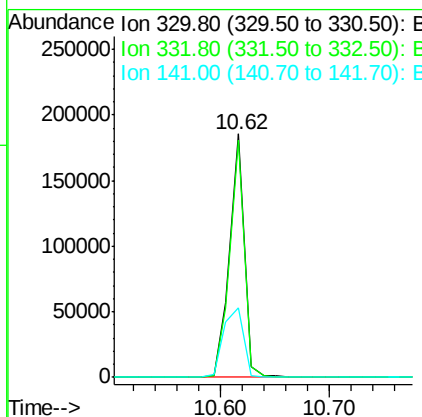
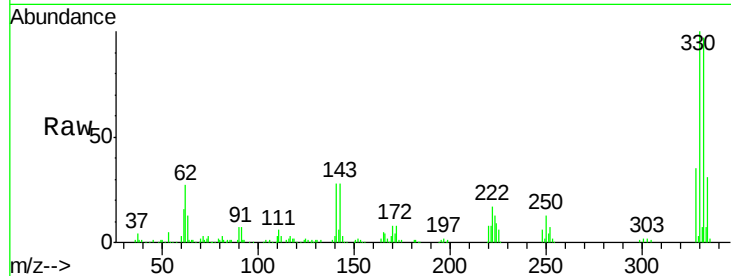
#41
 2,4,6-Tribromophenol
 Concen: 98.76 ng
 RT: 10.62 min Scan# 790
 Delta R.T. 0.00 min
 Lab File: BF088020.D
 Acq: 15 Jun 2016 1:50

Instrument :
 BNA_F
 ClientSampleId :
 STA-1037-(0-4)

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	96.3	0.0	0.0#
141	38.9	0.0	0.0#

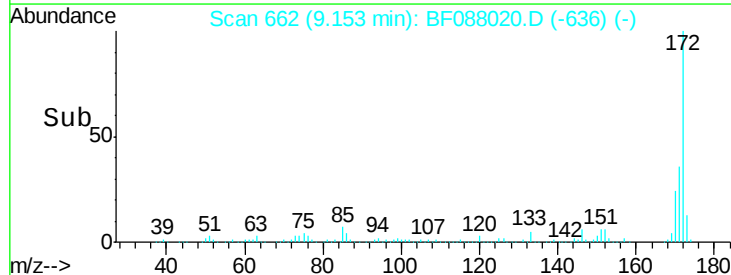
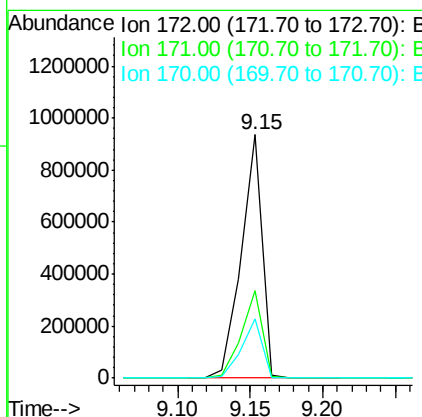
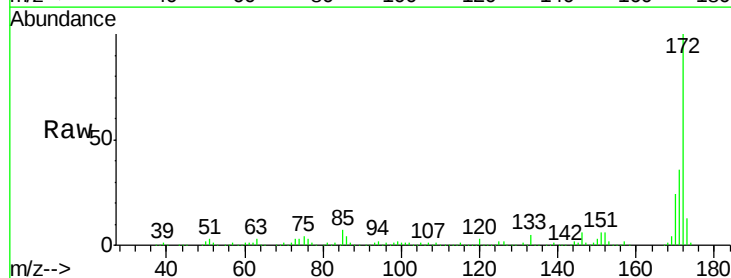
Manual Integrations
 APPROVED

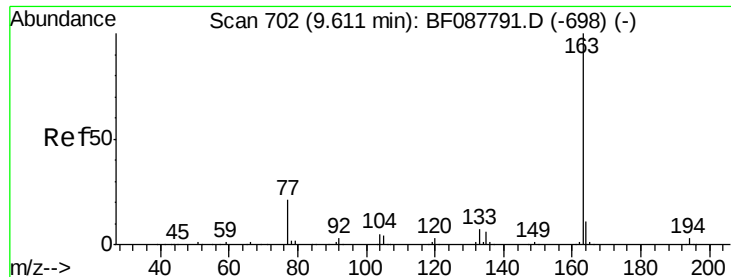
sohil
 6/15/2016 6:41:58 PM



#44
 2-Fluorobiphenyl
 Concen: 87.50 ng
 RT: 9.15 min Scan# 662
 Delta R.T. 0.00 min
 Lab File: BF088020.D
 Acq: 15 Jun 2016 1:50

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	36.0	28.6	43.0
170	24.3	19.2	28.8





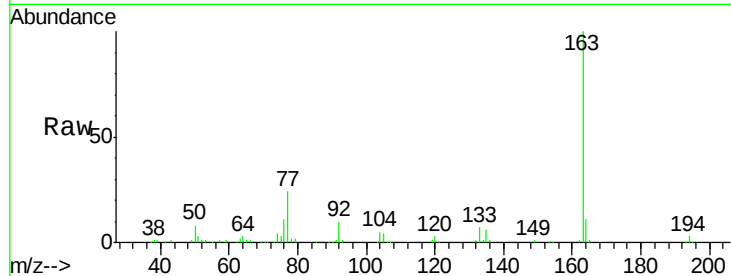
#49
Dimethylphthalate
Concen: 18.29 ng
RT: 9.54 min Scan# 696
Delta R.T. -0.02 min
Lab File: BF088020.D
Acq: 15 Jun 2016 1:50

Instrument :
BNA_F
ClientSampleId :
STA-1037-(0-4)

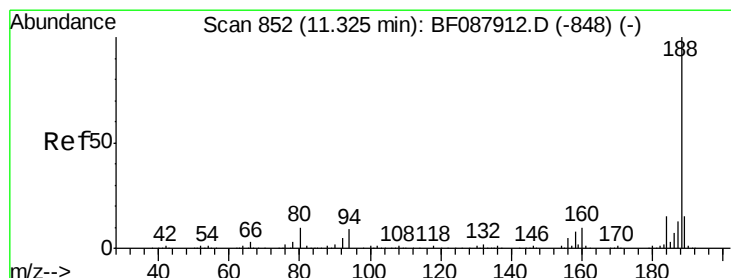
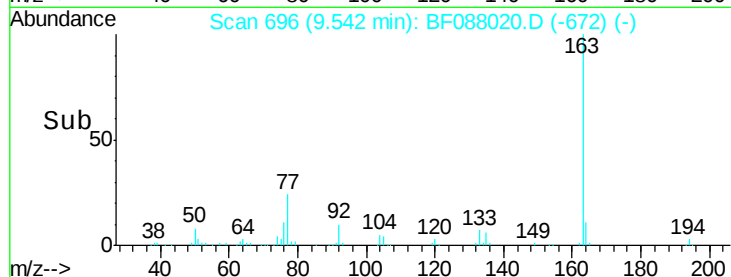
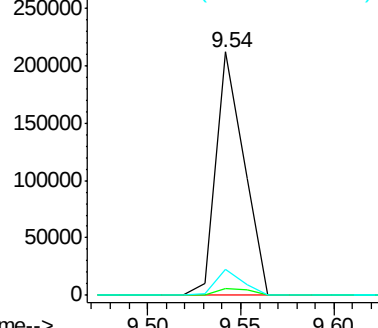
Tot Ion	Ratio	Resp	Lower	Upper
163	100	222481		
194	3.0	2.8	4.2	
164	10.8	8.3	12.5	

Manual Integrations
APPROVED

sohil
6/15/2016 6:41:58 PM

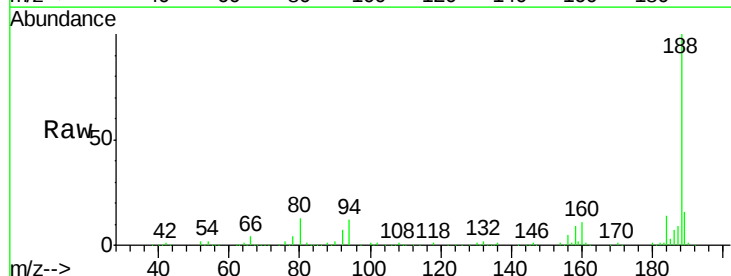


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

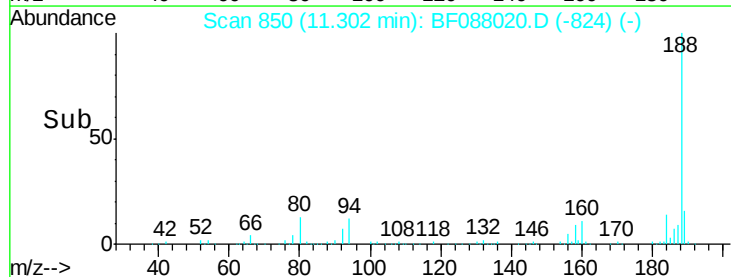
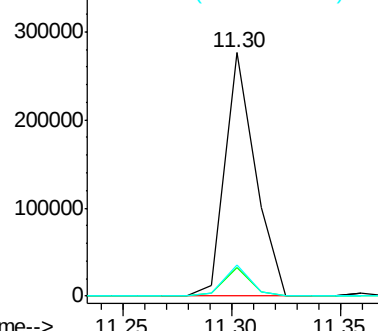


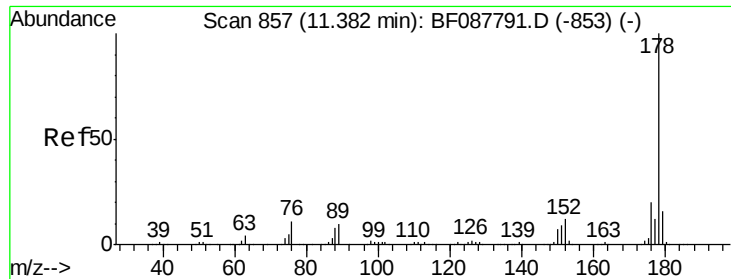
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 850
Delta R.T. 0.00 min
Lab File: BF088020.D
Acq: 15 Jun 2016 1:50

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	267907		
94	11.9	9.0	13.6	
80	12.9	10.0	15.0	



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





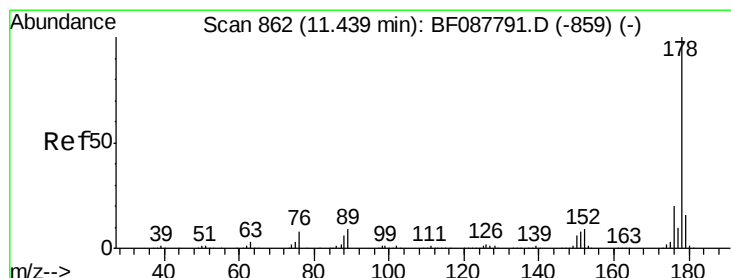
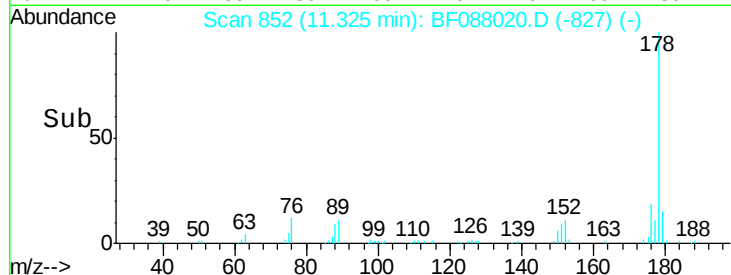
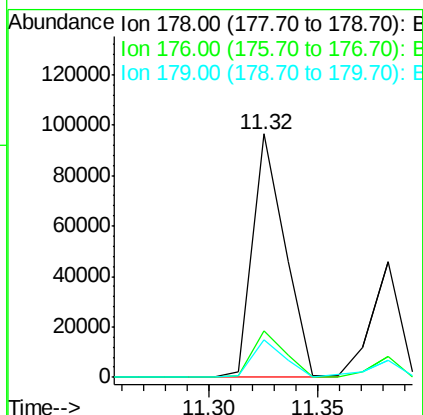
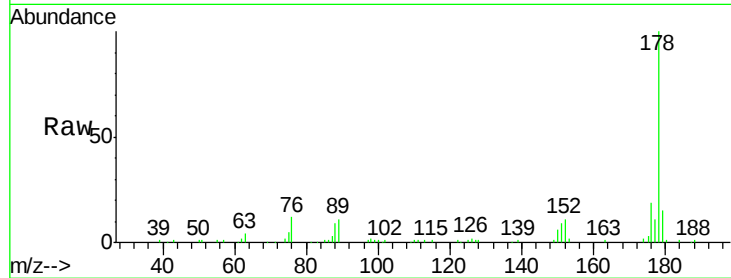
#70
Phenanthrene
Concen: 7.11 ng
RT: 11.32 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF088020.D
Acq: 15 Jun 2016 1:50

Instrument :
BNA_F
ClientSampleId :
STA-1037-(0-4)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.6
179	15.5	13.0	19.4

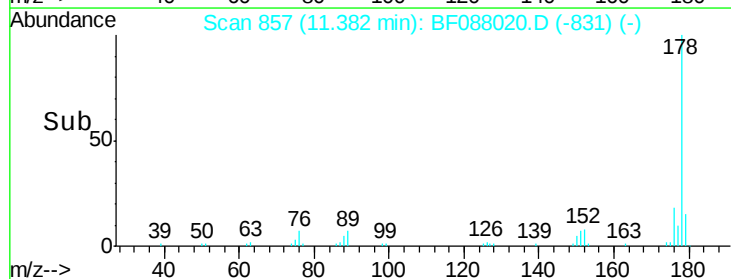
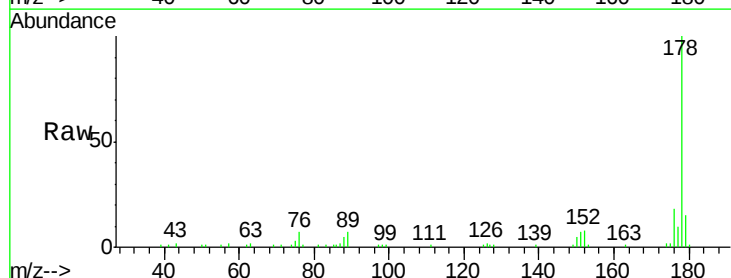
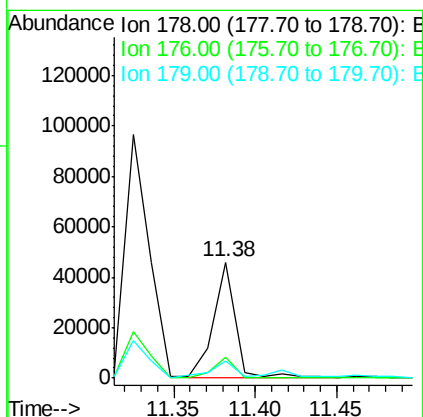
Manual Integrations
APPROVED

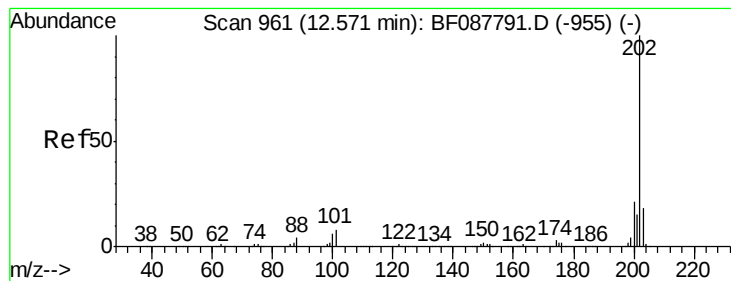
sohil
6/15/2016 6:41:58 PM



#71
Anthracene
Concen: 2.97 ng
RT: 11.38 min Scan# 857
Delta R.T. 0.00 min
Lab File: BF088020.D
Acq: 15 Jun 2016 1:50

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.6	23.4
179	14.6	12.8	19.2





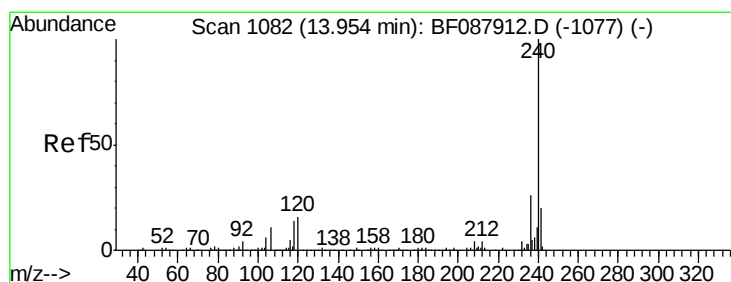
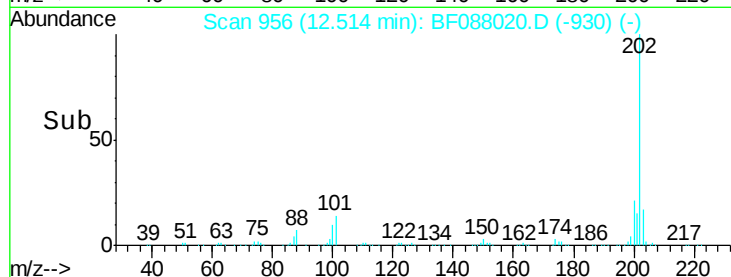
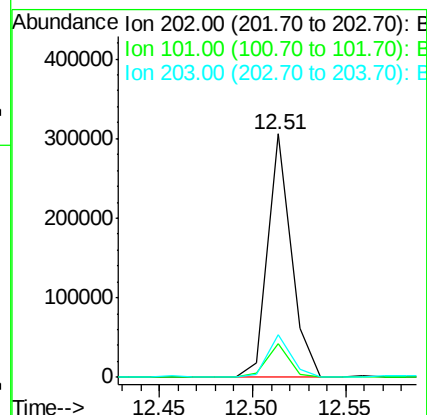
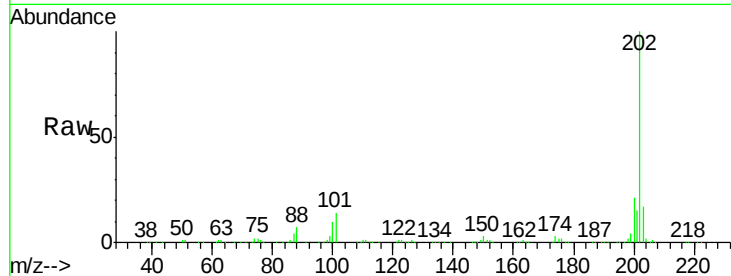
#74
Fluoranthene
Concen: 17.87 ng
RT: 12.51 min Scan# 956
Delta R.T. 0.00 min
Lab File: BF088020.D
Acq: 15 Jun 2016 1:50

Instrument :
BNA_F
ClientSampleId :
STA-1037-(0-4)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.1	0.0	33.1
203	17.4	0.0	38.1

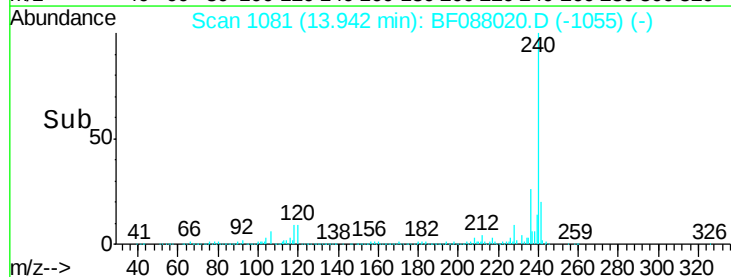
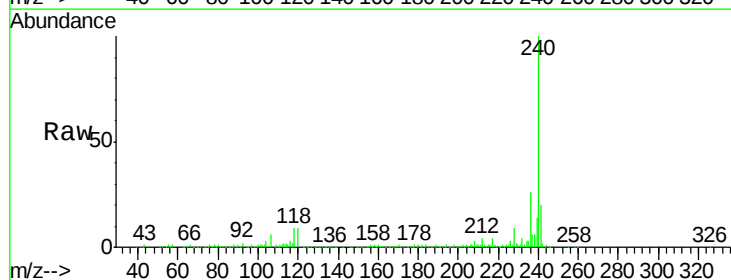
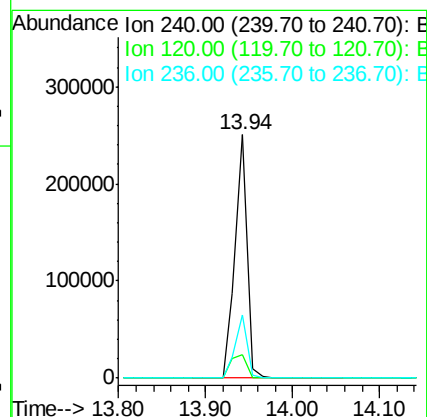
Manual Integrations
APPROVED

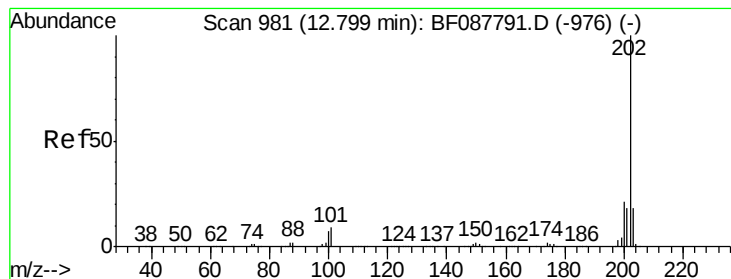
sohil
6/15/2016 6:41:58 PM



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.94 min Scan# 1081
Delta R.T. 0.00 min
Lab File: BF088020.D
Acq: 15 Jun 2016 1:50

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.5	6.8	10.2
236	26.1	20.2	30.2





#77

Pvrene

Concen: 14.52 ng

RT: 12.74 min Scan# 976

Delta R.T. 0.00 min

Lab File: BF088020.D

Acq: 15 Jun 2016 1:50

Instrument :

BNA_F

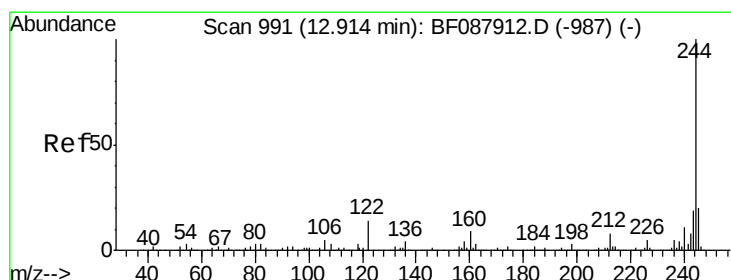
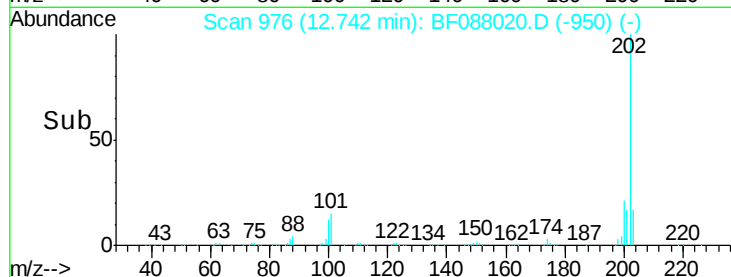
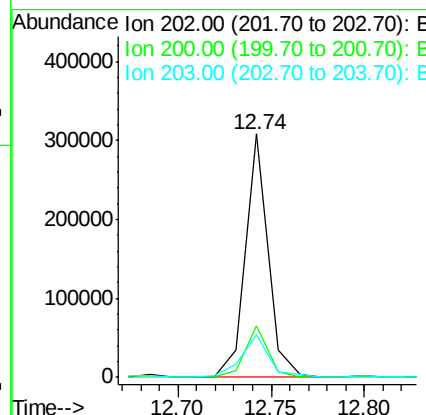
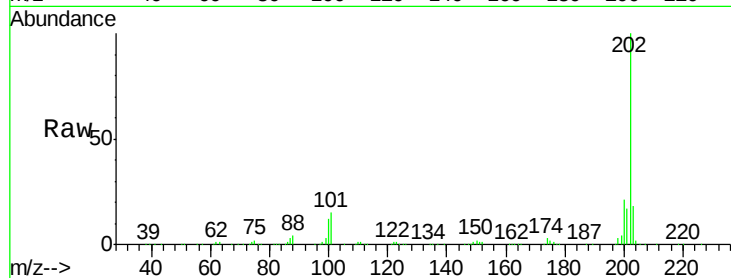
ClientSampleId :

STA-1037-(0-4)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.1	17.4	26.2
203	17.7	14.5	21.7

Manual Integrations
APPROVED

sohil
6/15/2016 6:41:58 PM



#78

Terphenyl-d14

Concen: 62.06 ng

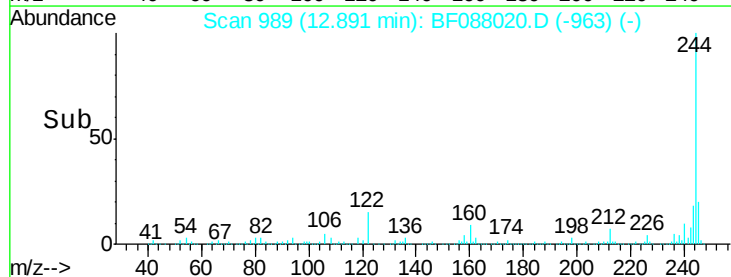
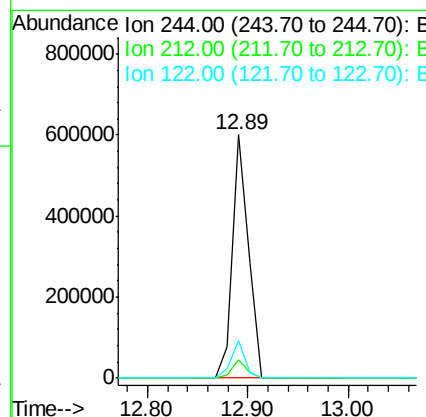
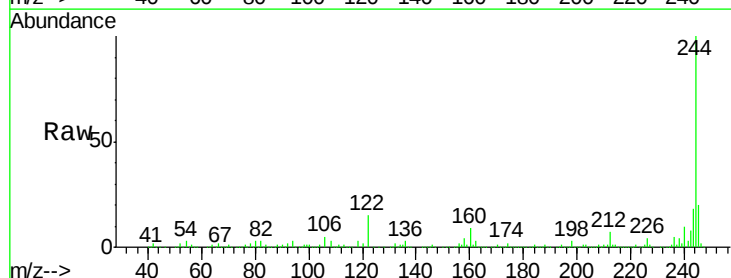
RT: 12.89 min Scan# 989

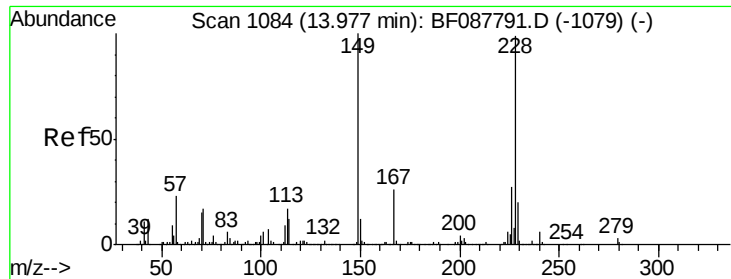
Delta R.T. 0.00 min

Lab File: BF088020.D

Acq: 15 Jun 2016 1:50

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.4	6.0	9.0
122	15.3	11.2	16.8





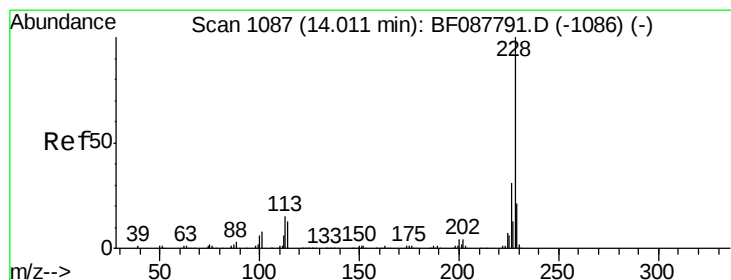
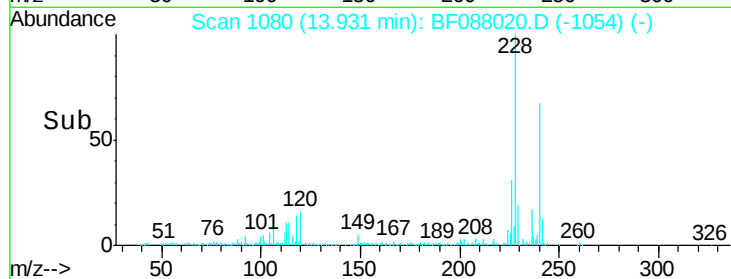
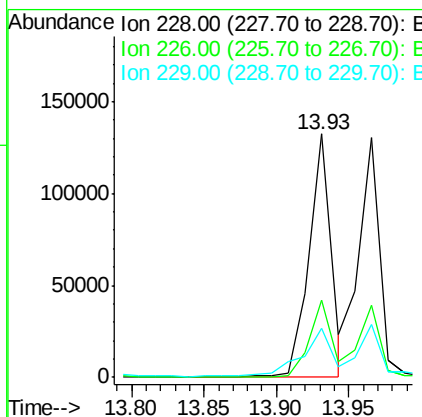
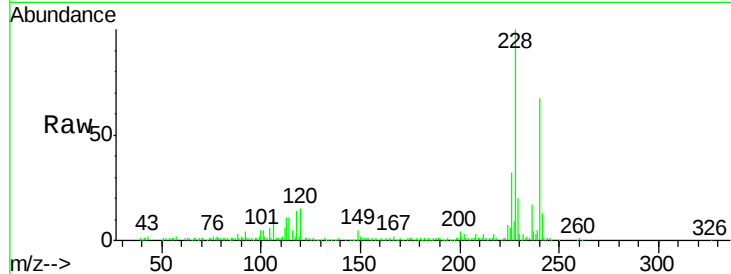
#80
Benzo(a)anthracene
Concen: 10.23 ng
RT: 13.93 min Scan# 1080
Delta R.T. 0.00 min
Lab File: BF088020.D
Acq: 15 Jun 2016 1:50

Instrument :
BNA_F
ClientSampleId :
STA-1037-(0-4)

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.7	22.3	33.5
229	20.0	16.0	24.0

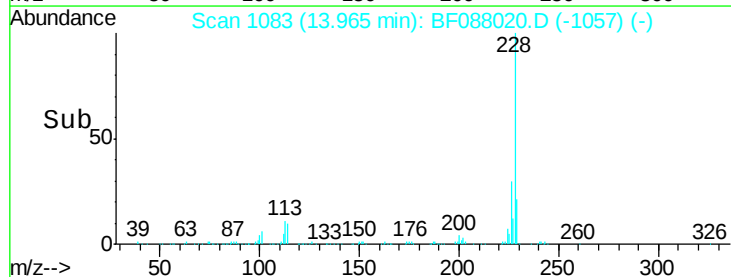
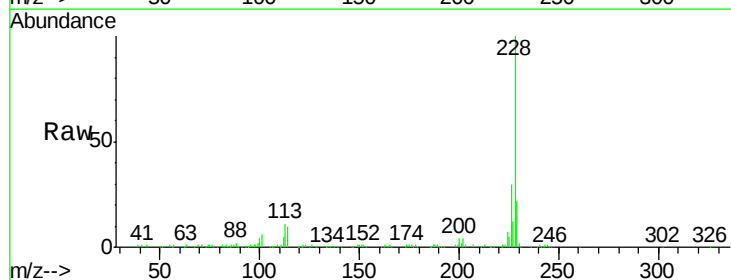
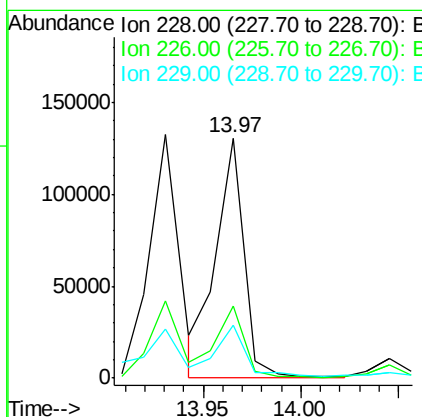
Manual Integrations
APPROVED

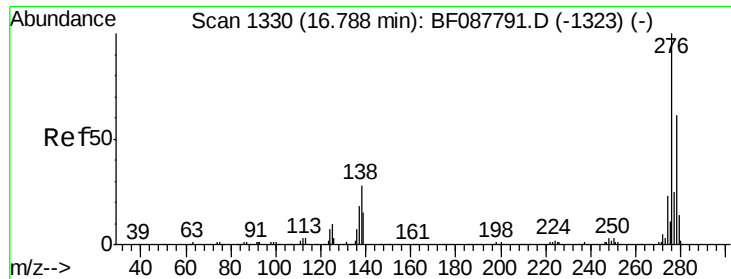
sohil
6/15/2016 6:41:58 PM



#82
Chrysene
Concen: 10.13 ng m
RT: 13.97 min Scan# 1083
Delta R.T. 0.00 min
Lab File: BF088020.D
Acq: 15 Jun 2016 1:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.4	38.2
229	21.8	16.3	24.5





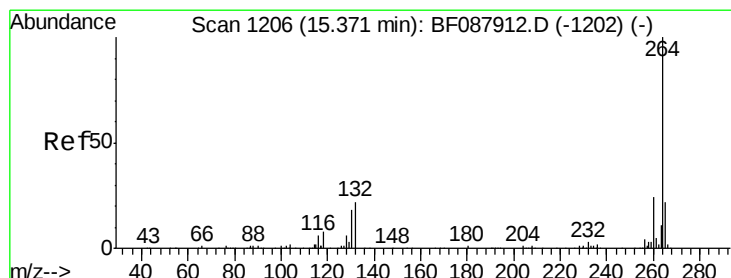
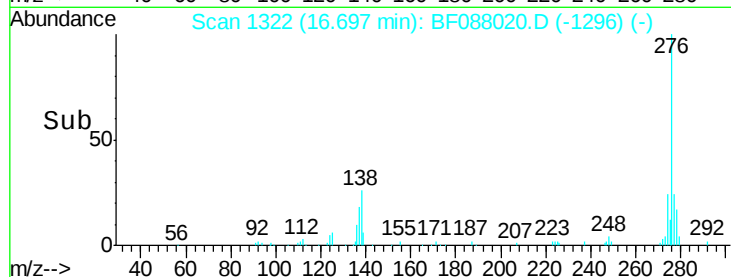
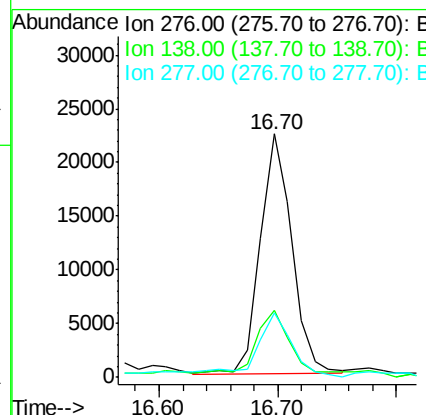
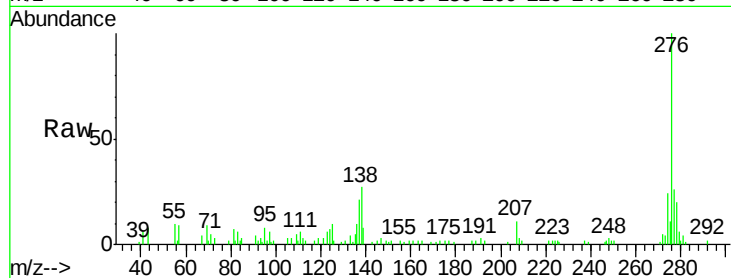
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.43 ng
 RT: 16.70 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: BF088020.D
 Acq: 15 Jun 2016 1:50

Instrument :
 BNA_F
 ClientSampleId :
 STA-1037-(0-4)

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.2	0.0	0.0#
277	34.0	0.0	0.0#

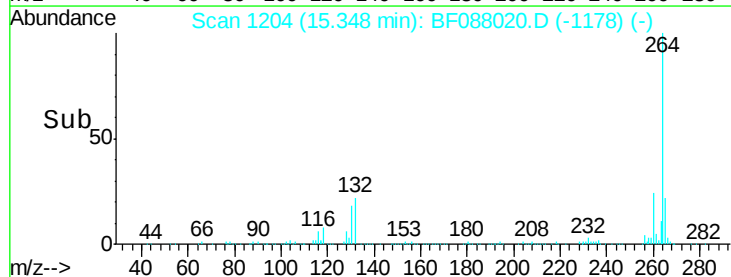
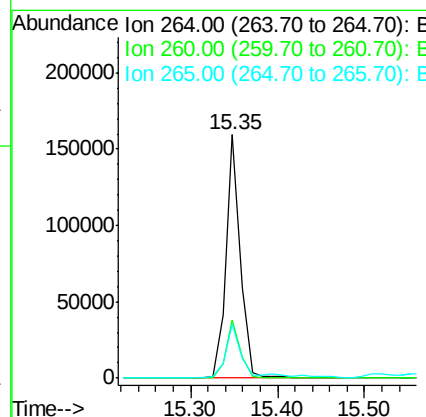
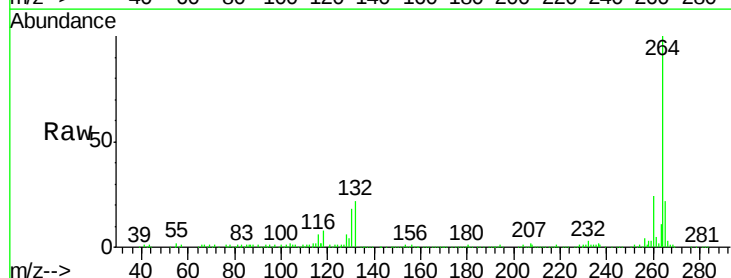
Manual Integrations
 APPROVED

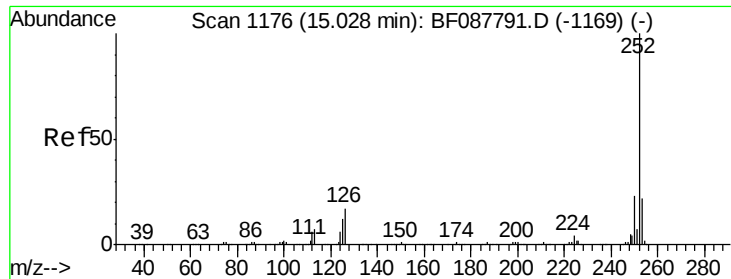
sohil
 6/15/2016 6:41:58 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.35 min Scan# 1204
 Delta R.T. 0.00 min
 Lab File: BF088020.D
 Acq: 15 Jun 2016 1:50

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.1	16.9	25.3





#87

Benzo(b)fluoranthene

Concen: 10.71 ng m

RT: 14.95 min Scan# 1169

Delta R.T. 0.00 min

Lab File: BF088020.D

Acq: 15 Jun 2016 1:50

Instrument :

BNA_F

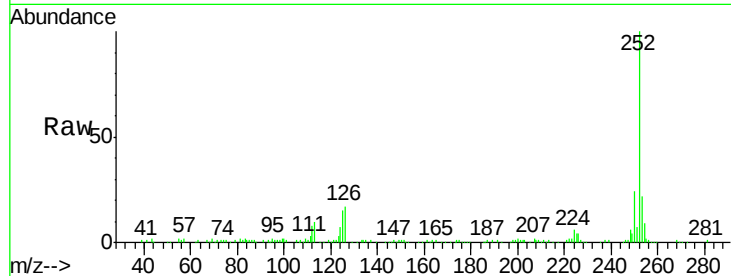
ClientSampleId :

STA-1037-(0-4)

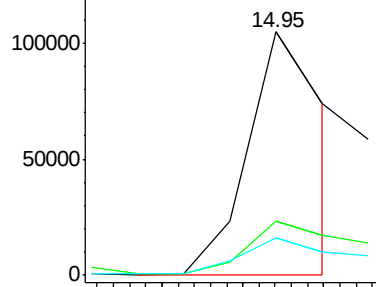
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.2
125	15.4	7.1	10.7

Manual Integrations
APPROVED

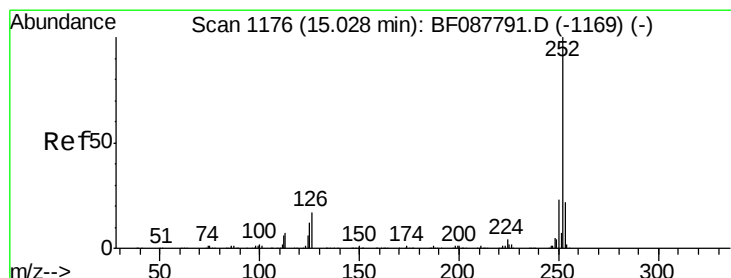
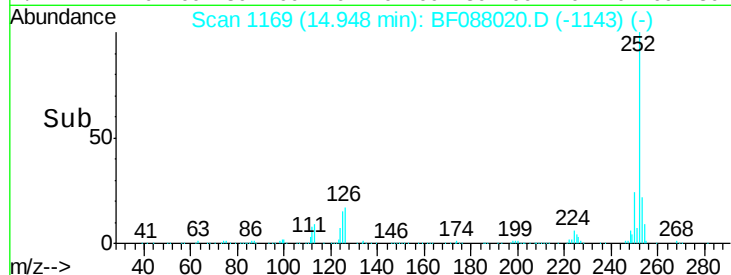
sohil
6/15/2016 6:41:58 PM



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



Time-->



#88

Benzo(k)fluoranthene

Concen: 6.12 ng m

RT: 14.96 min Scan# 1170

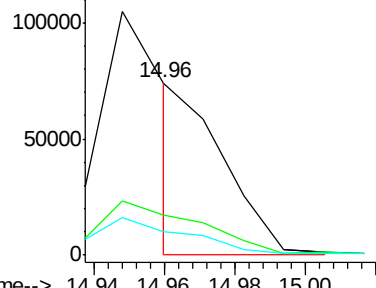
Delta R.T. -0.01 min

Lab File: BF088020.D

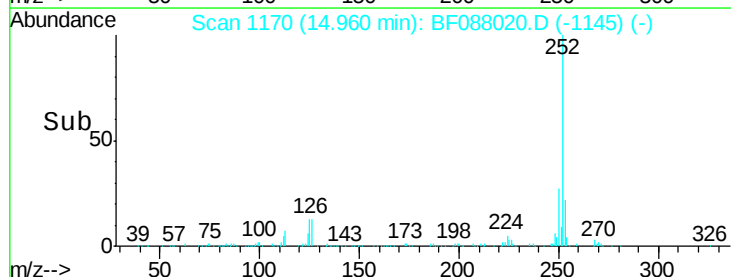
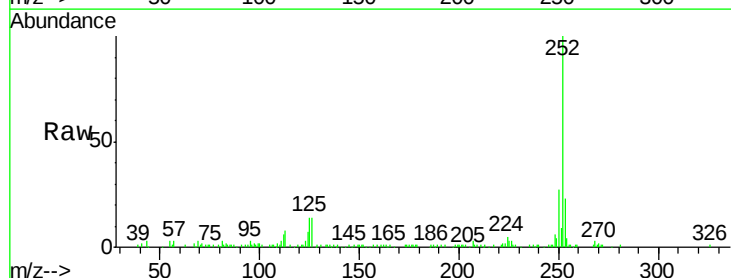
Acq: 15 Jun 2016 1:50

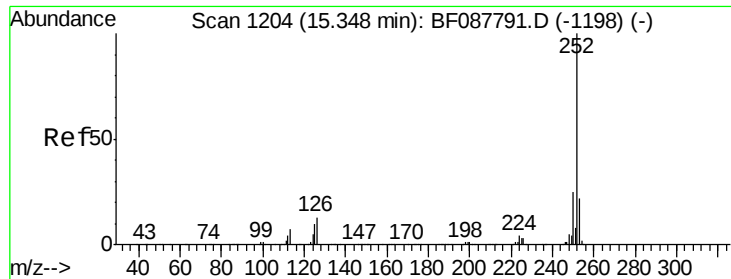
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	13.8	11.2	16.8

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



Time-->





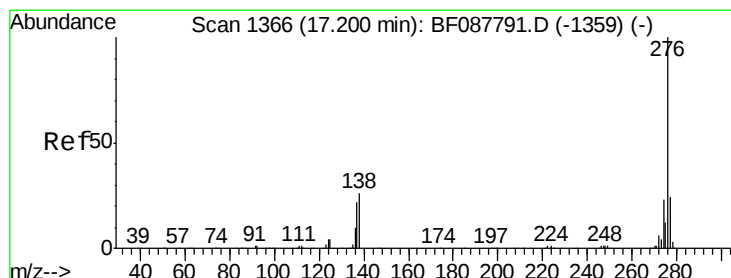
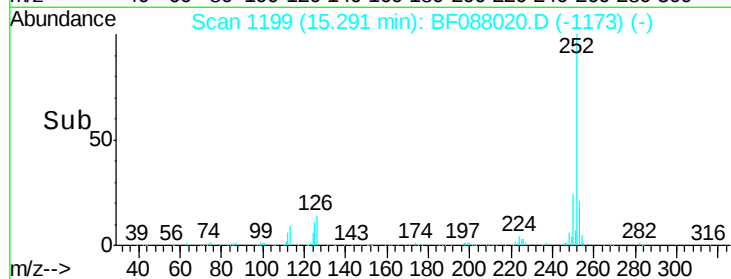
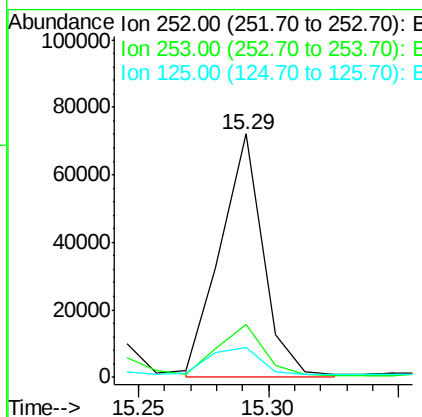
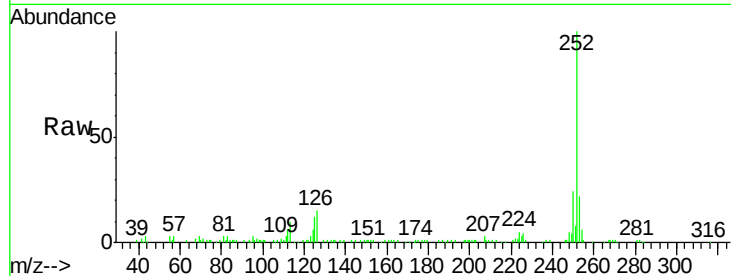
#89
Benzo(a)pyrene
Concen: 7.84 ng m
RT: 15.29 min Scan# 1199
Delta R.T. 0.00 min
Lab File: BF088020.D
Acq: 15 Jun 2016 1:50

Instrument :
BNA_F
ClientSampleId :
STA-1037-(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
252	100	82273		
253	21.6	17.9	26.9	
125	12.2	12.5	18.7#	

Manual Integrations
APPROVED

sohil
6/15/2016 6:41:58 PM



#91
Benzo(g,h,i)perylene
Concen: 3.74 ng
RT: 17.11 min Scan# 1358
Delta R.T. 0.00 min
Lab File: BF088020.D
Acq: 15 Jun 2016 1:50

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	37507		
277	25.5	18.9	28.3	
138	26.9	21.4	32.2	

