

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF093015\
 Data File : BF081925.D
 Acq On : 1 Oct 2015 2:55
 Operator : UM/IZ
 Sample : G3828-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OGS-SSCF-PH-FL-3-4-4.5

Manual Integrations
 APPROVED

MMDadoda
 10/1/2015 2:24:30 PM

Quant Time: Oct 01 05:55:56 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 28 18:10:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	124244	20.00	ng	-0.03
21) Naphthalene-d8	8.19	136	492173	20.00	ng	-0.02
38) Acenaphthene-d10	9.94	164	211017	20.00	ng	-0.03
63) Phenanthrene-d10	11.44	188	359473	20.00	ng	-0.02
75) Chrysene-d12	14.08	240	317617	20.00	ng	-0.03
86) Perylene-d12	15.53	264	306807	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	828917	121.11	ng	-0.01
7) Phenol-d6	6.54	99	1053667	122.35	ng	-0.02
23) Nitrobenzene-d5	7.47	82	691682	93.68	ng	-0.02
41) 2,4,6-Tribromophenol	10.74	330	286455	134.04	ng	-0.02
44) 2-Fluorobiphenyl	9.27	172	1180129	95.97	ng	-0.03
78) Terphenyl-d14	13.03	244	1009102	112.39	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.67	163	431305	29.61	ng	# 97
51) Acenaphthene	9.98	154	26143	2.15	ng	90
70) Phenanthrene	11.46	178	214515	11.15	ng	98
71) Anthracene	11.51	178	69541	3.81	ng	98
74) Fluoranthene	12.65	202	341773	17.75	ng	87
77) Pyrene	12.88	202	297140	15.66	ng	97
80) Benzo(a)anthracene	14.07	228	181133	10.59	ng	95
82) Chrysene	14.10	228	160329m	8.24	ng	
85) Indeno(1,2,3-cd)pyrene	16.97	276	74708	5.58	ng	# 83
87) Benzo(b)fluoranthene	15.11	252	189094m	10.80	ng	
88) Benzo(k)fluoranthene	15.12	252	100219m	6.24	ng	
89) Benzo(a)pyrene	15.48	252	146775	9.66	ng	# 83
91) Benzo(g,h,i)perylene	17.41	276	64188	4.91	ng	# 76

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

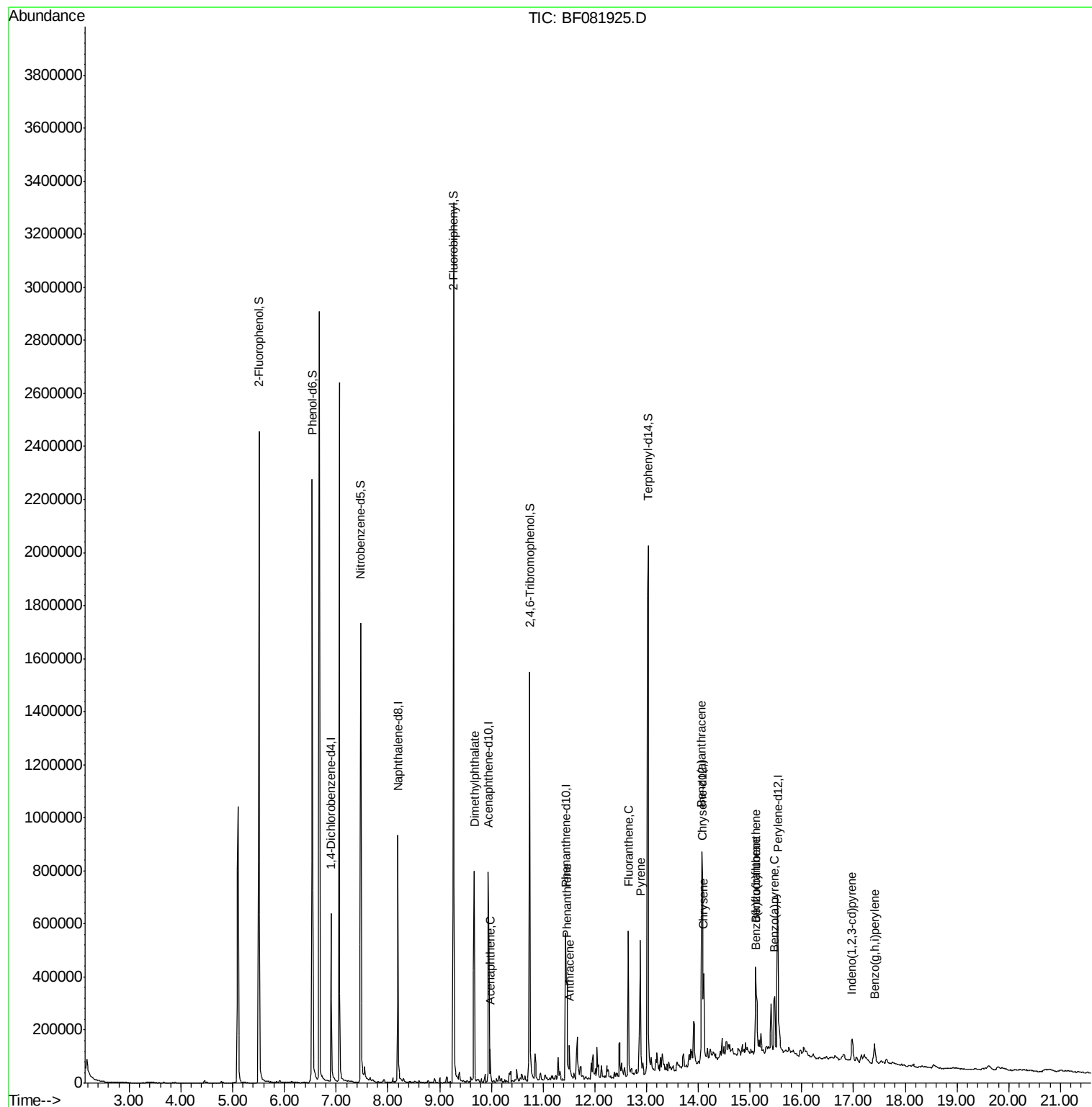
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF093015\
Data File : BF081925.D
Acq On : 1 Oct 2015 2:55
Operator : UM/IZ
Sample : G3828-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

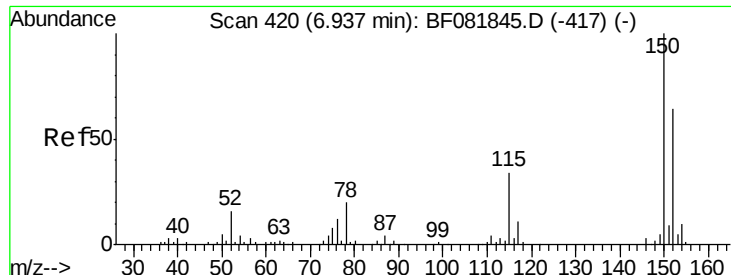
Instrument :
BNA_F
ClientSampleId :
OGS-SSCF-PH-FL-3-4-4.5

Manual Integrations
APPROVED

MMDadoda
10/1/2015 2:24:30 PM

Quant Time: Oct 01 05:55:56 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 28 18:10:42 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 417

Delta R.T. -0.03 min

Lab File: BF081925.D

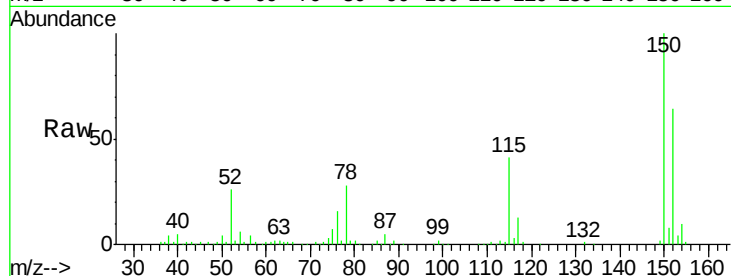
Acq: 1 Oct 2015 2:55

Instrument :

BNA_F

ClientSampleId :

OGS-SSCF-PH-FL-3-4-4.5



Tgt Ion:152 Resp: 124244

Ion Ratio Lower Upper

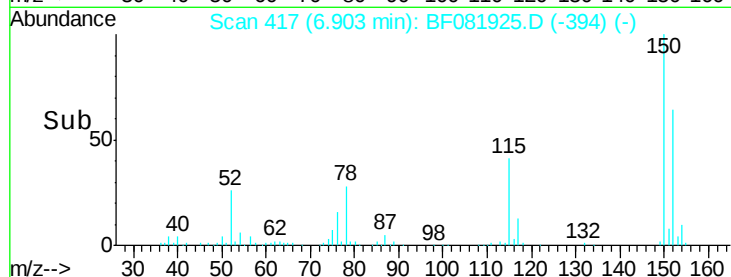
152 100

150 157.2 124.7 187.1

115 63.9 39.0 58.4#

Manual Integrations
APPROVED

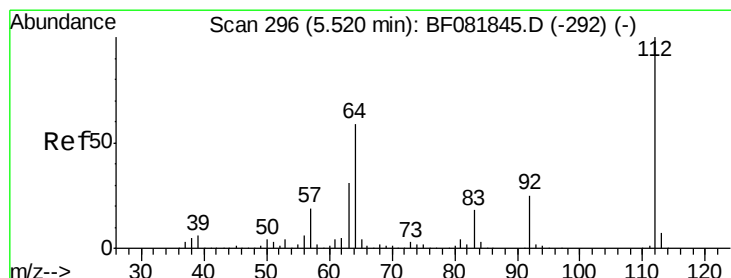
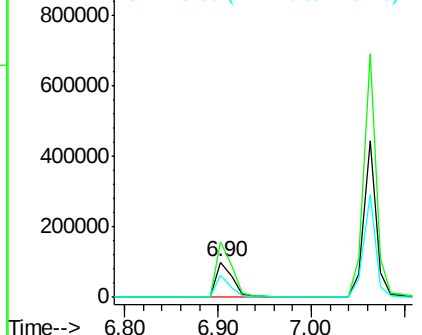
MMDadoda
10/1/2015 2:24:30 PM



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: 121.11 ng

RT: 5.51 min Scan# 295

Delta R.T. -0.01 min

Lab File: BF081925.D

Acq: 1 Oct 2015 2:55

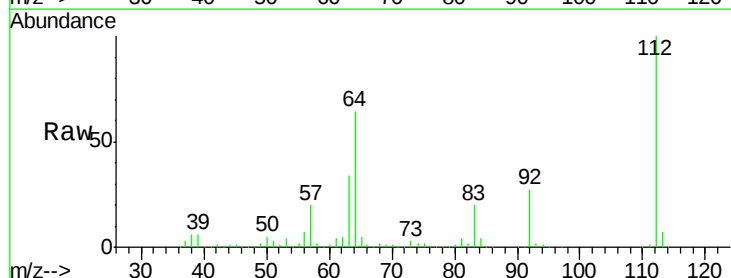
Tgt Ion:112 Resp: 828917

Ion Ratio Lower Upper

112 100

64 64.2 39.7 59.5#

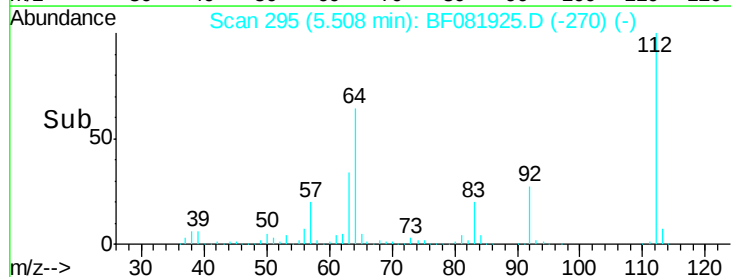
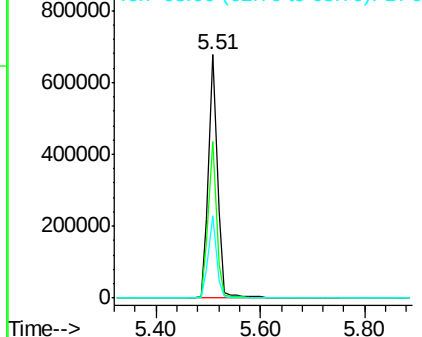
63 33.6 17.4 26.0#

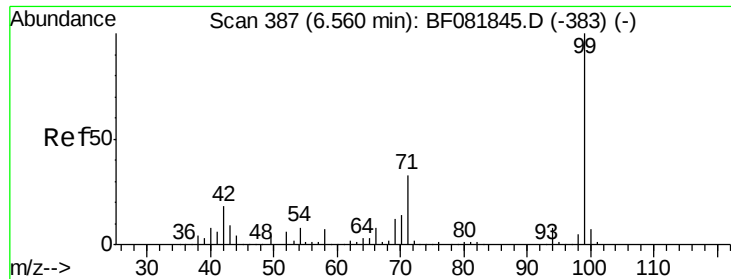


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 122.35 ng

RT: 6.54 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF081925.D

Acq: 1 Oct 2015 2:55

Instrument :

BNA_F

ClientSampleId :

OGS-SSCF-PH-FL-3-4-4.5

Tgt Ion: 99 Resp: 1053667

Ion Ratio Lower Upper

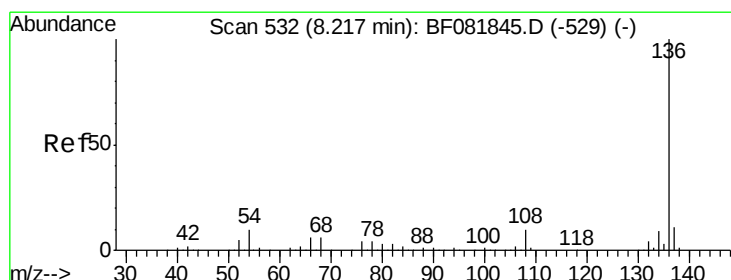
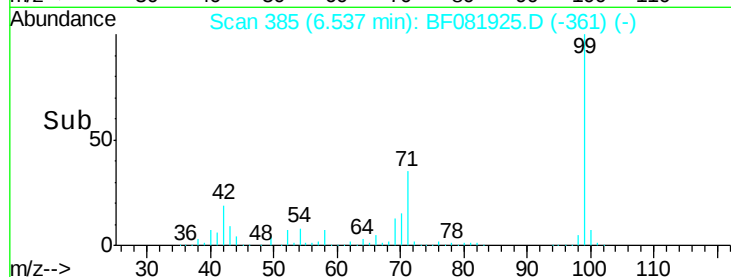
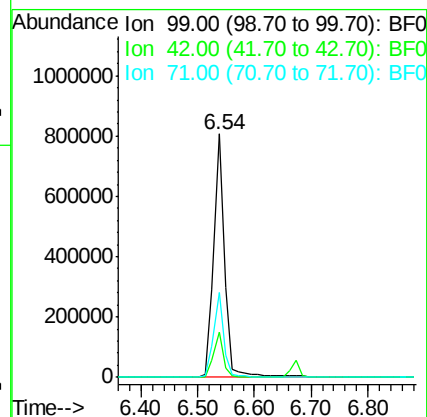
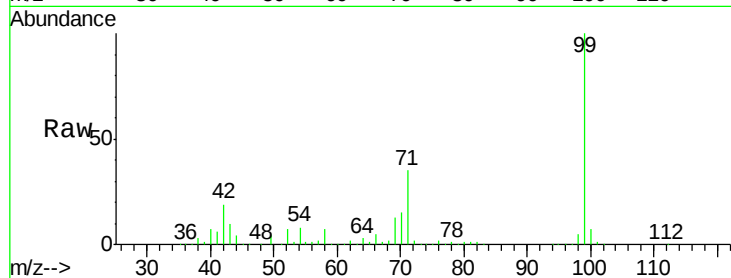
99 100

42 18.6 13.7 20.5

71 35.1 14.2 21.2#

Manual Integrations
APPROVED

MMDadoda
10/1/2015 2:24:30 PM



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.19 min Scan# 530

Delta R.T. -0.02 min

Lab File: BF081925.D

Acq: 1 Oct 2015 2:55

Tgt Ion: 136 Resp: 492173

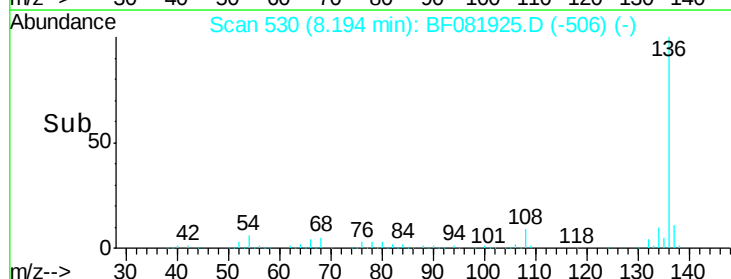
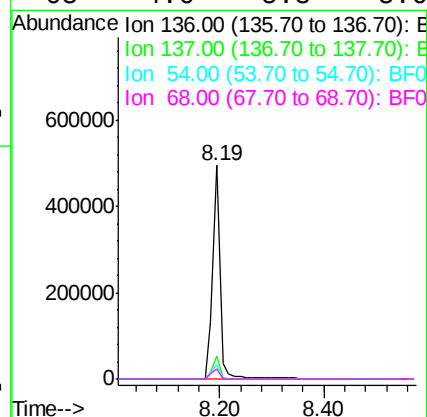
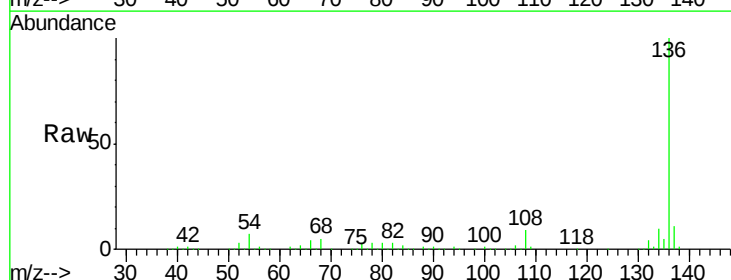
Ion Ratio Lower Upper

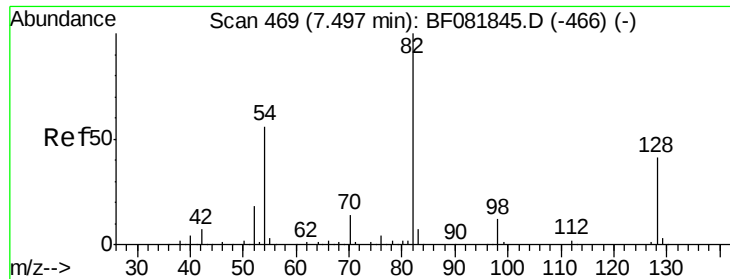
136 100

137 10.9 9.0 13.6

54 6.6 8.2 12.2#

68 4.6 5.8 8.6#





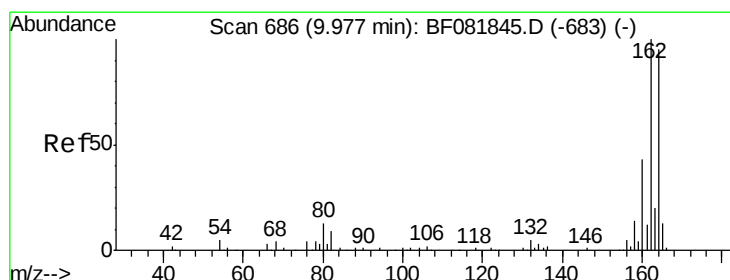
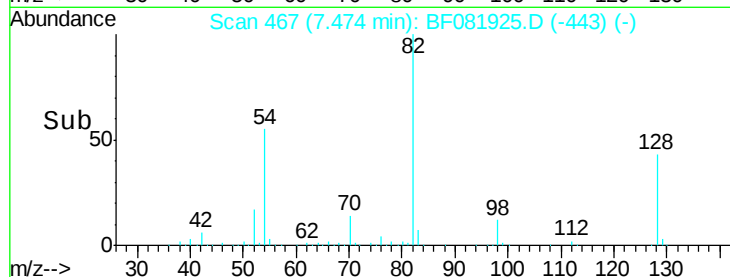
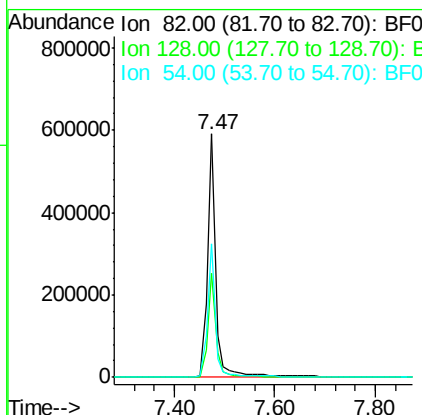
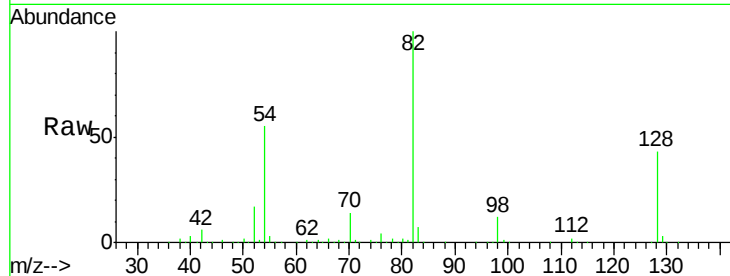
#23
 Nitrobenzene-d5
 Concen: 93.68 ng
 RT: 7.47 min Scan# 467
 Delta R.T. -0.02 min
 Lab File: BF081925.D
 Acq: 1 Oct 2015 2:55

Instrument :
 BNA_F
 ClientSampleId :
 OGS-SSCF-PH-FL-3-4-4.5

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	691682		
128	42.8	51.0	76.6#	
54	54.7	47.5	71.3	

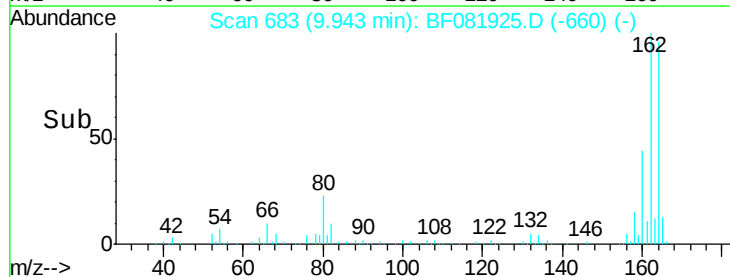
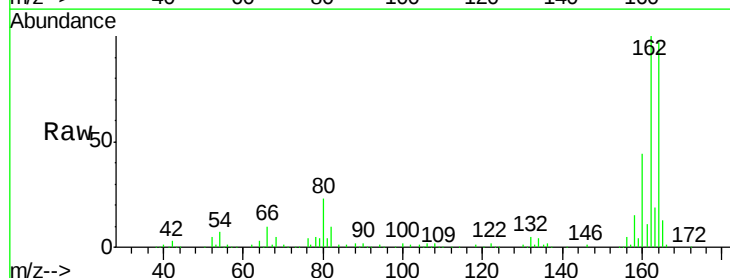
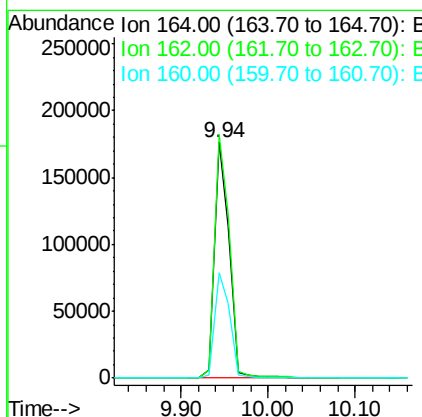
Manual Integrations
 APPROVED

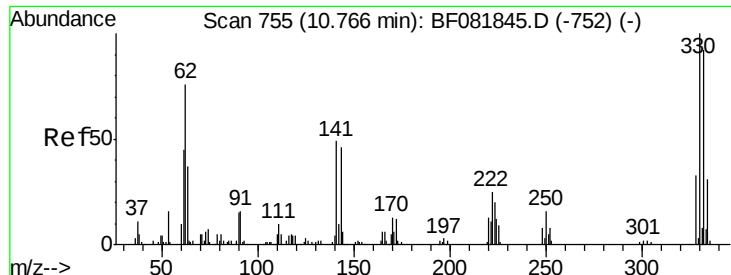
MMDadoda
 10/1/2015 2:24:30 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.94 min Scan# 683
 Delta R.T. -0.03 min
 Lab File: BF081925.D
 Acq: 1 Oct 2015 2:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	211017		
162	103.4	75.2	112.8	
160	45.0	31.5	47.3	





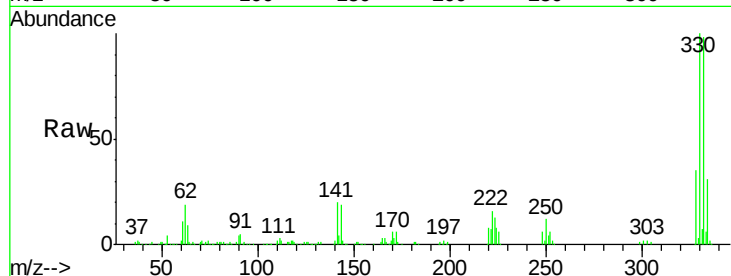
#41
 2,4,6-Tribromophenol
 Concen: 134.04 ng
 RT: 10.74 min Scan# 753
 Delta R.T. -0.02 min
 Lab File: BF081925.D
 Acq: 1 Oct 2015 2:55

Instrument :
 BNA_F
 ClientSampleId :
 OGS-SSCF-PH-FL-3-4-4.5

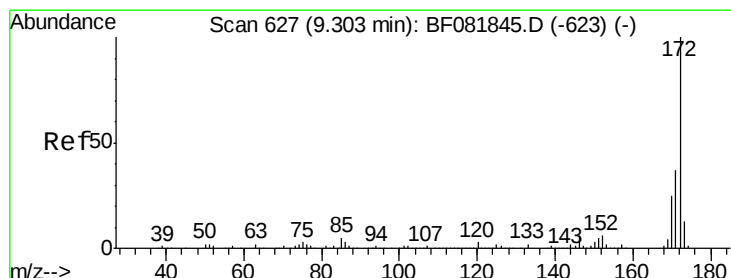
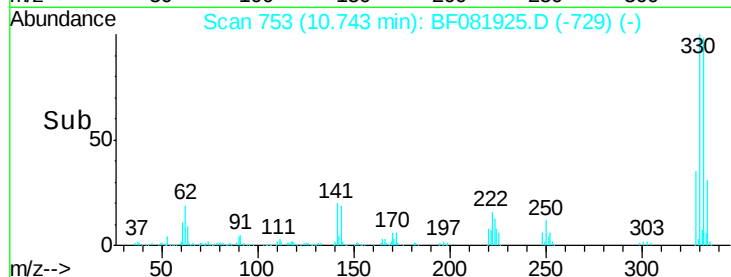
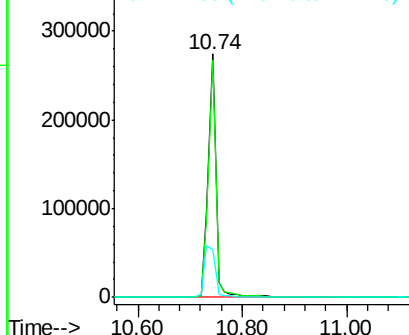
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	286455		
332	96.4	76.6	114.8	
141	30.7	29.7	44.5	

Manual Integrations
 APPROVED

MMDadoda
 10/1/2015 2:24:30 PM



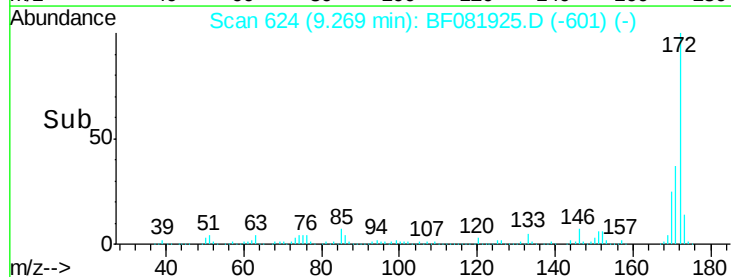
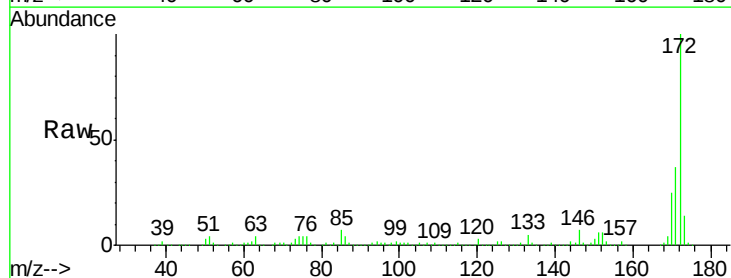
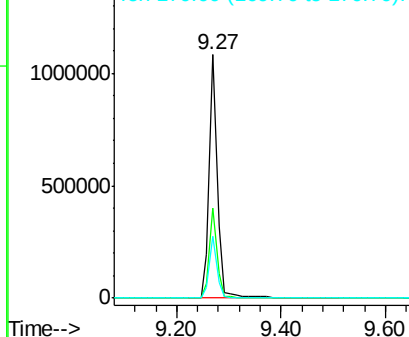
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

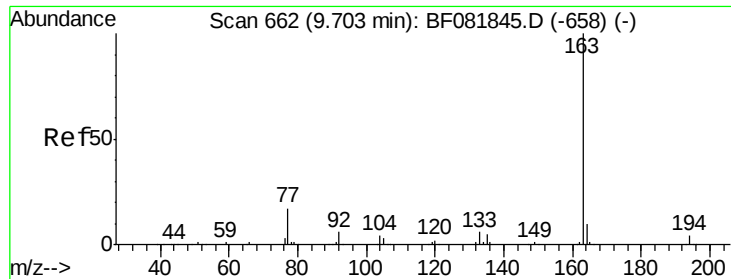


#44
 2-Fluorobiphenyl
 Concen: 95.97 ng
 RT: 9.27 min Scan# 624
 Delta R.T. -0.03 min
 Lab File: BF081925.D
 Acq: 1 Oct 2015 2:55

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1180129		
171	37.0	26.1	39.1	
170	25.4	17.4	26.2	

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





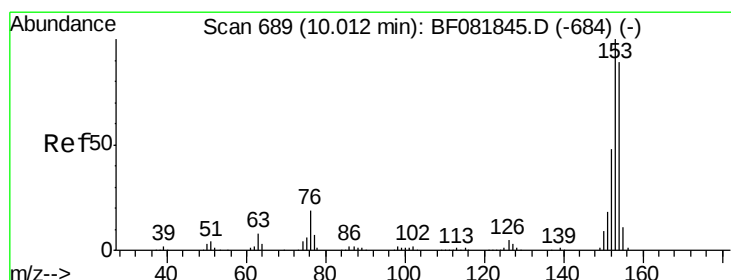
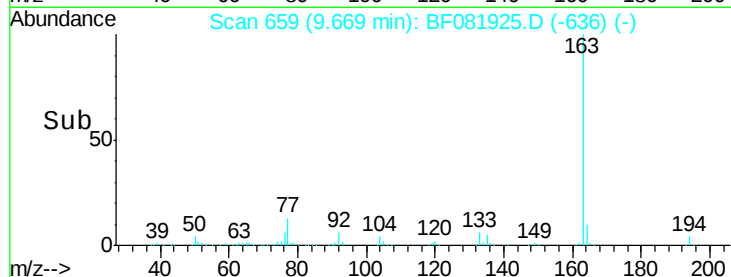
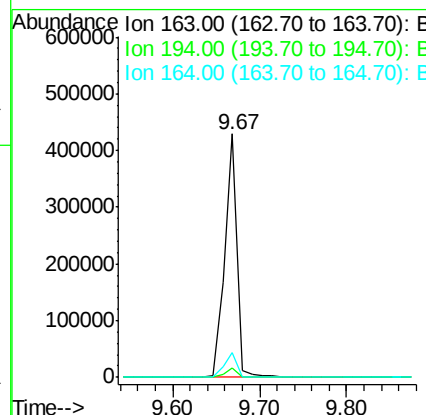
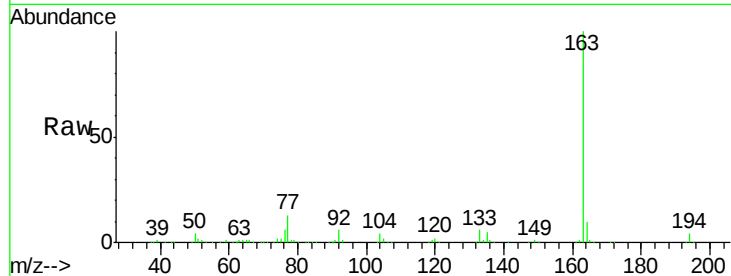
#49
Dimethylphthalate
Concen: 29.61 ng
RT: 9.67 min Scan# 659
Delta R.T. -0.03 min
Lab File: BF081925.D
Acq: 1 Oct 2015 2:55

Instrument :
BNA_F
ClientSampleId :
OGS-SSCF-PH-FL-3-4-4.5

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.9	4.4	6.6#
164	9.9	8.3	12.5

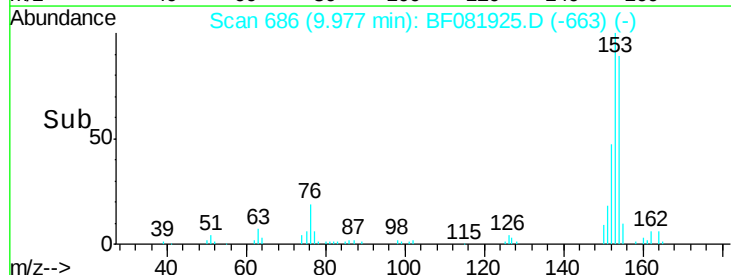
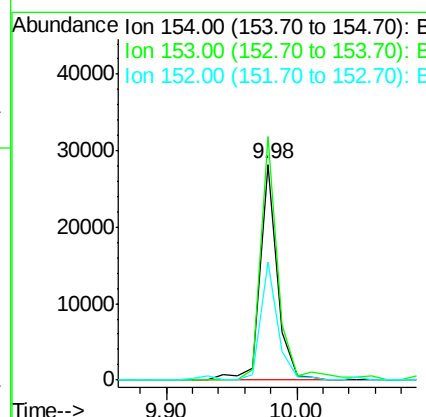
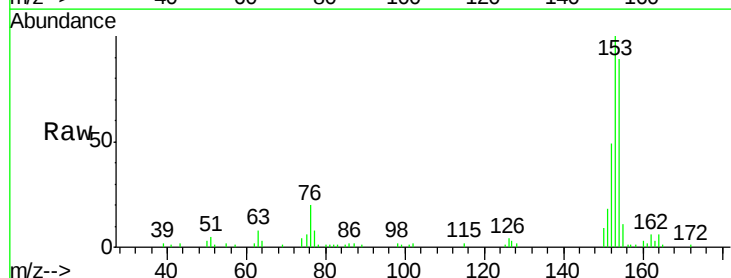
Manual Integrations
APPROVED

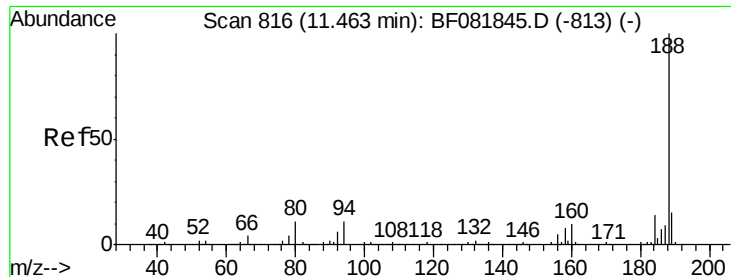
MMDadoda
10/1/2015 2:24:30 PM



#51
Acenaphthene
Concen: 2.15 ng
RT: 9.98 min Scan# 686
Delta R.T. -0.03 min
Lab File: BF081925.D
Acq: 1 Oct 2015 2:55

Tgt Ion	Ratio	Resp Lower	Resp Upper
154	100		
153	112.9	82.1	123.1
152	54.8	37.9	56.9





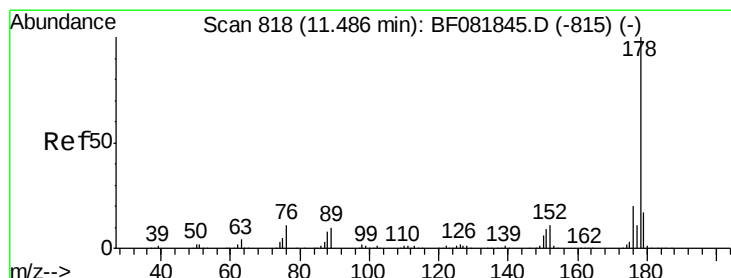
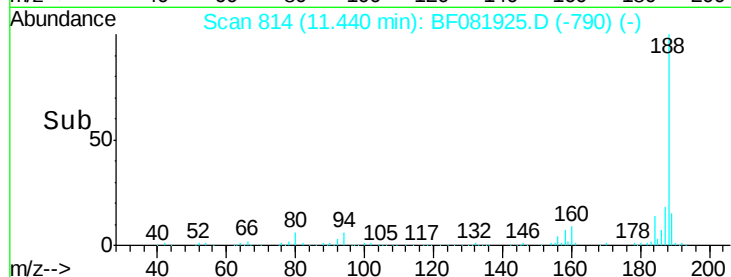
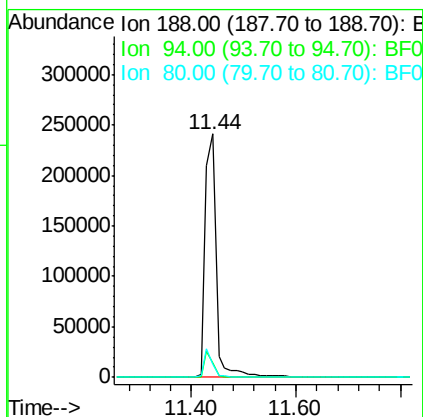
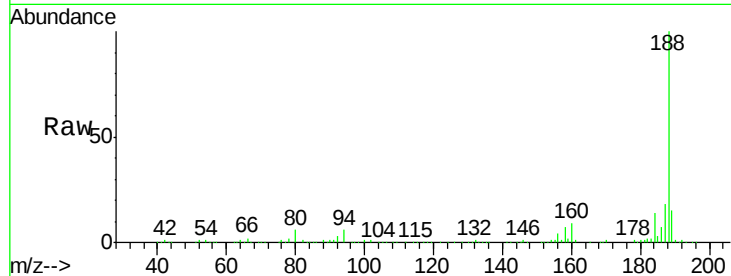
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.44 min Scan# 814
 Delta R.T. -0.02 min
 Lab File: BF081925.D
 Acq: 1 Oct 2015 2:55

Instrument :
 BNA_F
 ClientSampleId :
 OGS-SSCF-PH-FL-3-4-4.5

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	359473		
94	5.9	11.1	16.7#	
80	5.6	11.0	16.4#	

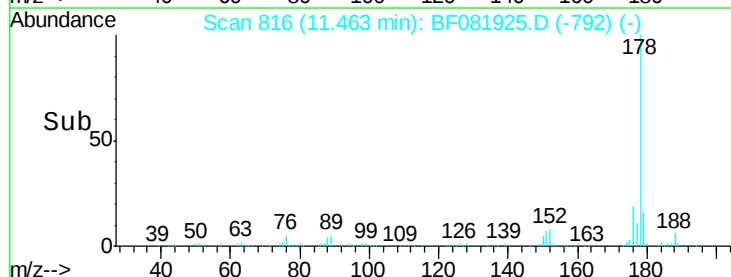
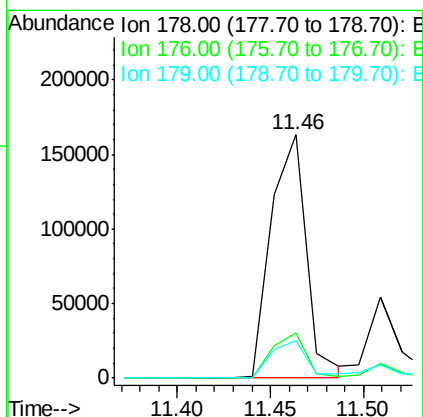
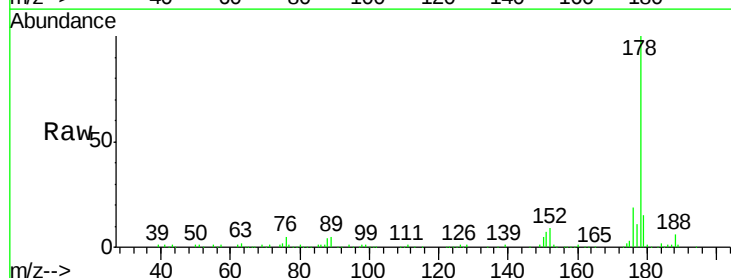
Manual Integrations
 APPROVED

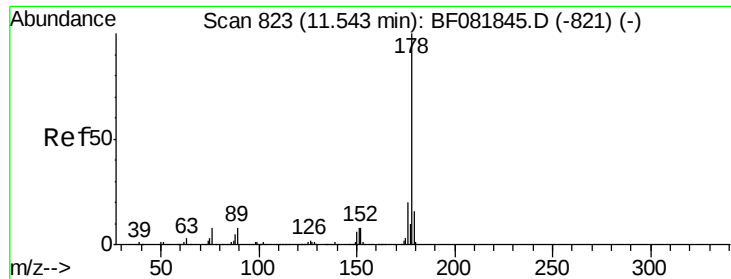
MMDadoda
 10/1/2015 2:24:30 PM



#70
 Phenanthrene
 Concen: 11.15 ng
 RT: 11.46 min Scan# 816
 Delta R.T. -0.02 min
 Lab File: BF081925.D
 Acq: 1 Oct 2015 2:55

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	214515		
176	18.7	13.8	20.8	
179	15.5	12.2	18.2	





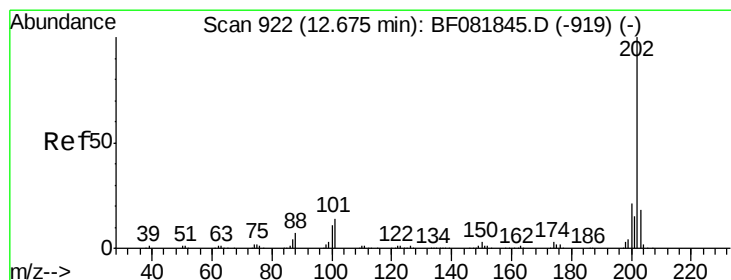
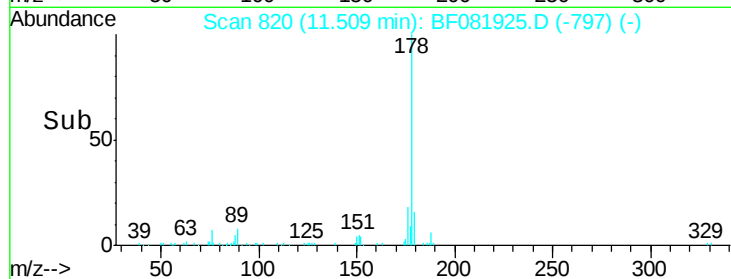
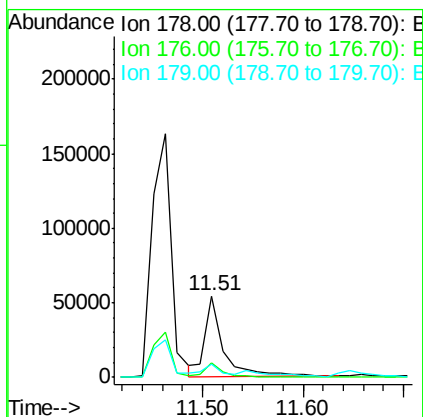
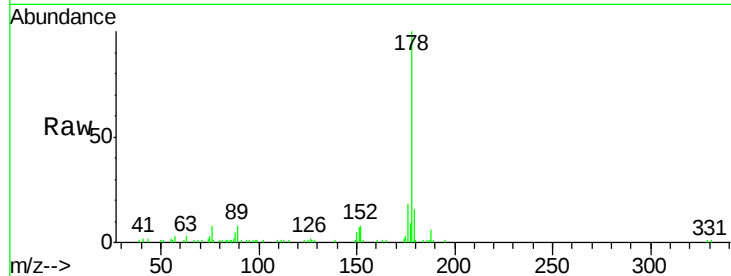
#71
 Anthracene
 Concen: 3.81 ng
 RT: 11.51 min Scan# 820
 Delta R.T. -0.03 min
 Lab File: BF081925.D
 Acq: 1 Oct 2015 2:55

Instrument :
 BNA_F
 ClientSampleId :
 OGS-SSCF-PH-FL-3-4-4.5

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.1	21.1
179	16.0	12.2	18.2

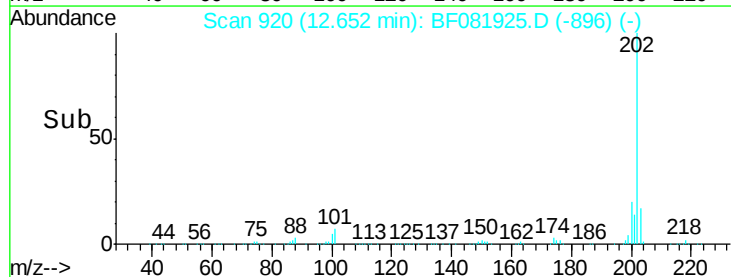
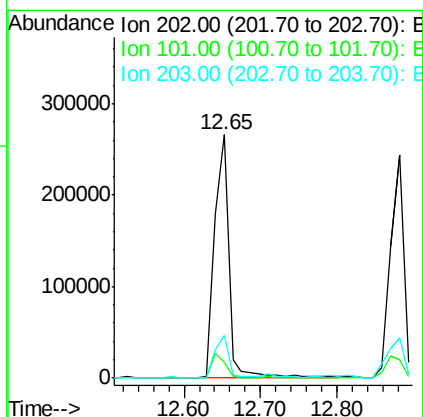
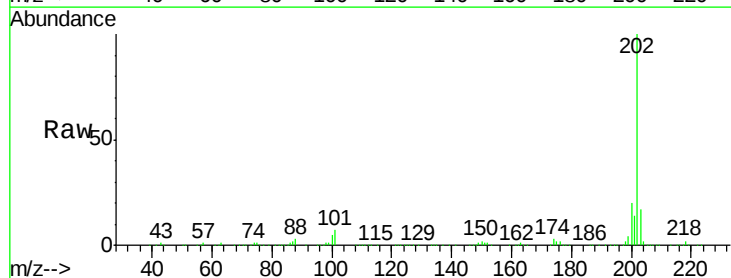
Manual Integrations
 APPROVED

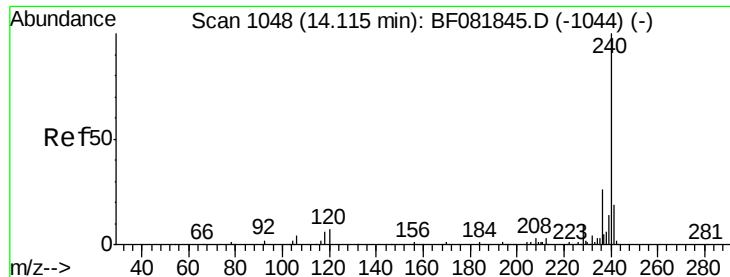
MMDadoda
 10/1/2015 2:24:30 PM



#74
 Fluoranthene
 Concen: 17.75 ng
 RT: 12.65 min Scan# 920
 Delta R.T. -0.02 min
 Lab File: BF081925.D
 Acq: 1 Oct 2015 2:55

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.7	0.0	38.3
203	17.3	0.0	37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.08 min Scan# 1045

Delta R.T. -0.03 min

Lab File: BF081925.D

Acq: 1 Oct 2015 2:55

Instrument :

BNA_F

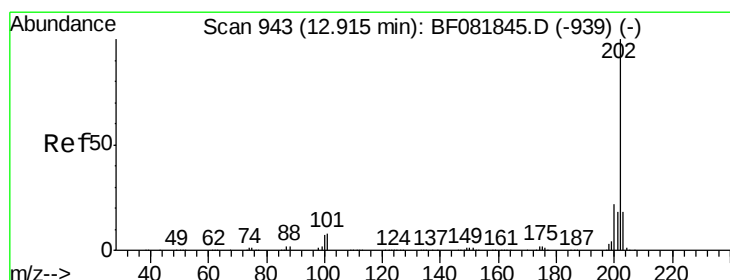
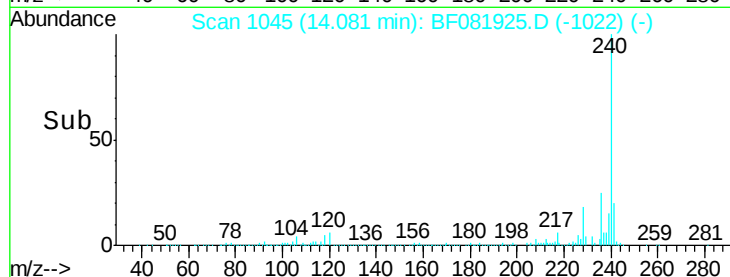
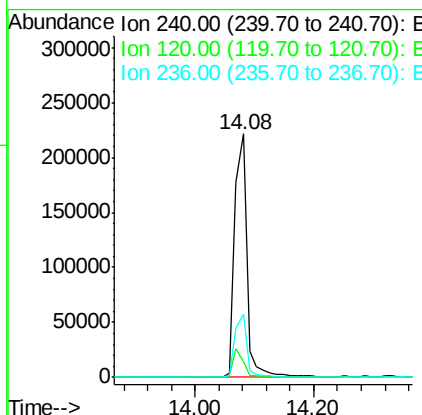
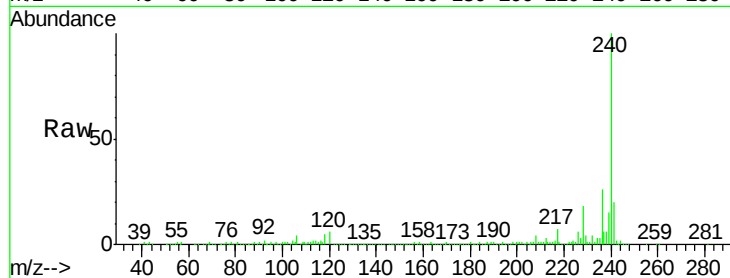
ClientSampleId :

OGS-SSCF-PH-FL-3-4-4.5

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	317617		
120	6.2	16.2	24.2#	
236	25.8	18.4	27.6	

Manual Integrations
APPROVED

MMDadoda
10/1/2015 2:24:30 PM



#77

Pyrene

Concen: 15.66 ng

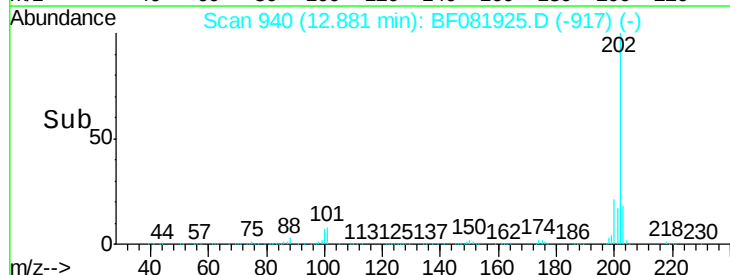
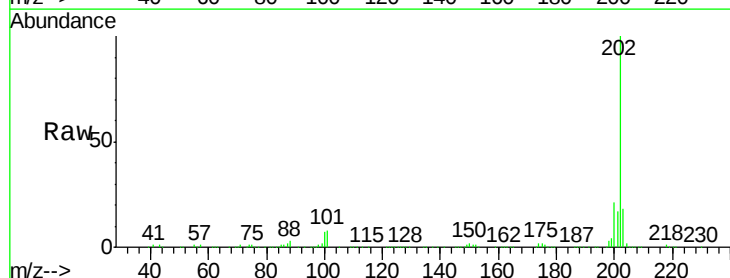
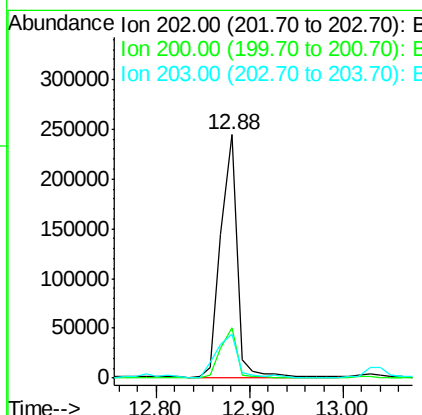
RT: 12.88 min Scan# 940

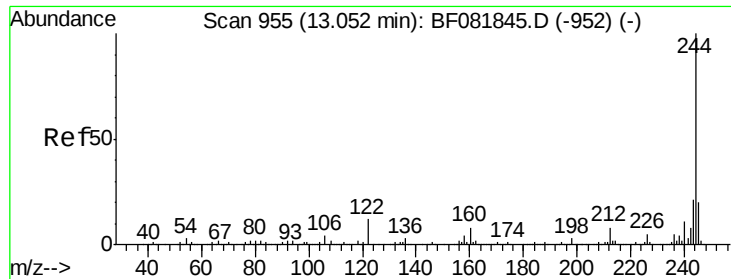
Delta R.T. -0.03 min

Lab File: BF081925.D

Acq: 1 Oct 2015 2:55

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	297140		
200	20.8	15.0	22.4	
203	18.1	14.1	21.1	





#78

Terphenyl-d14

Concen: 112.39 ng

RT: 13.03 min Scan# 953

Delta R.T. -0.02 min

Lab File: BF081925.D

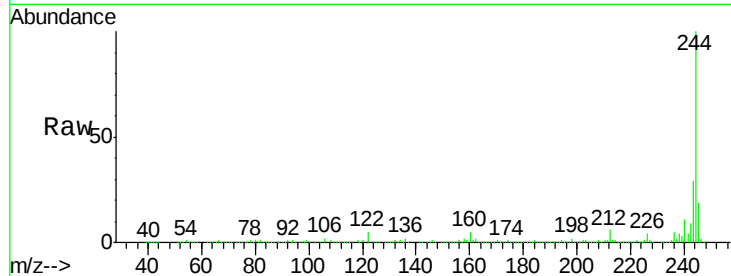
Acq: 1 Oct 2015 2:55

Instrument :

BNA_F

ClientSampleId :

OGS-SSCF-PH-FL-3-4-4.5



Tgt Ion:244 Resp: 1009102

Ion Ratio Lower Upper

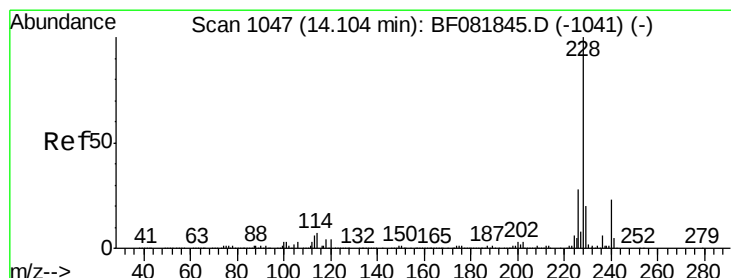
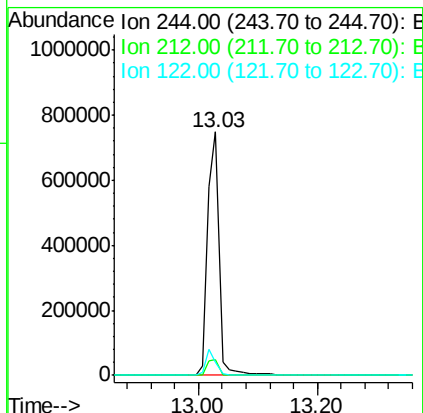
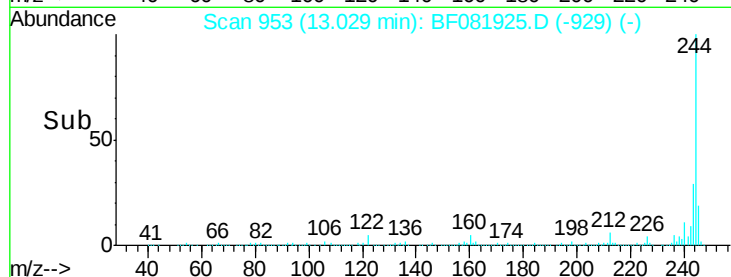
244 100

212 6.5 4.3 6.5#

122 5.5 17.4 26.2#

Manual Integrations
APPROVED

MMDadoda
10/1/2015 2:24:30 PM



#80

Benzo(a)anthracene

Concen: 10.59 ng

RT: 14.07 min Scan# 1044

Delta R.T. -0.03 min

Lab File: BF081925.D

Acq: 1 Oct 2015 2:55

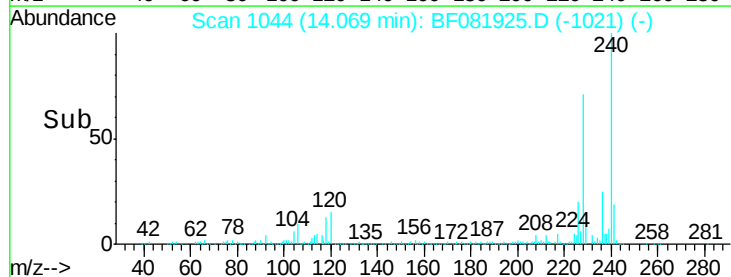
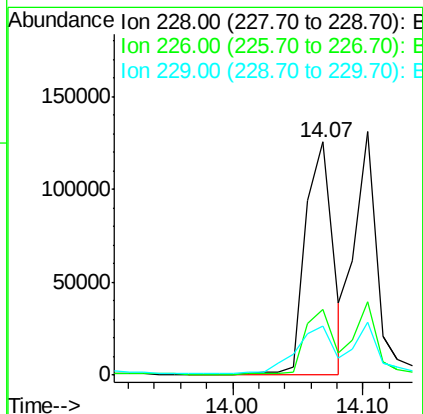
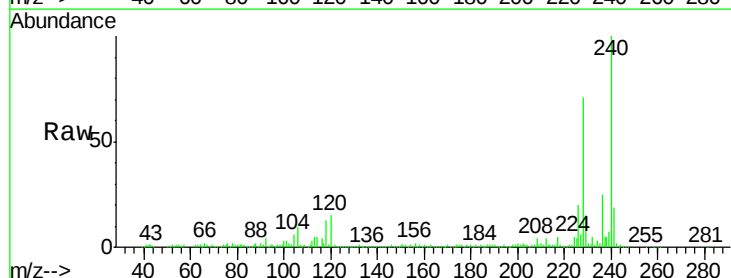
Tgt Ion:228 Resp: 181133

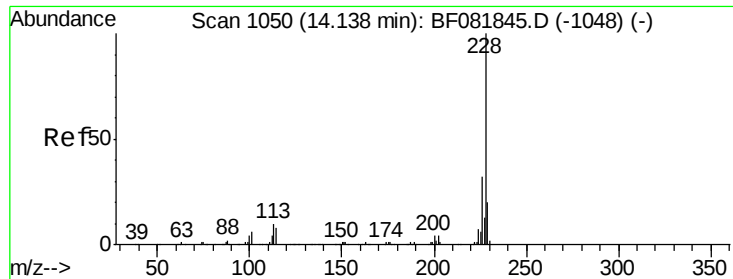
Ion Ratio Lower Upper

228 100

226 28.4 20.0 30.0

229 21.0 15.4 23.2





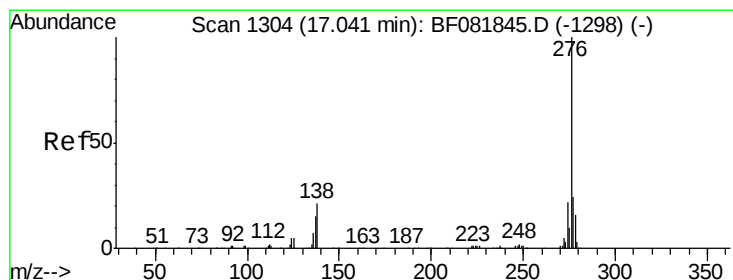
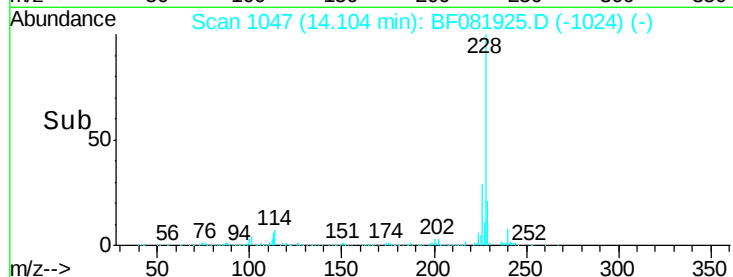
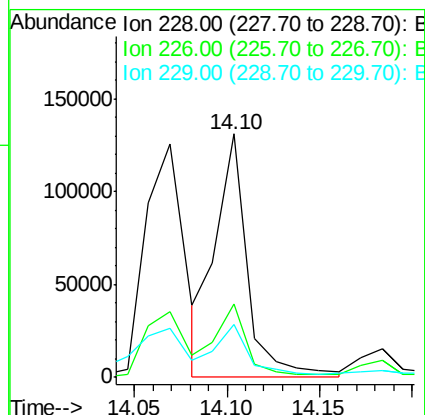
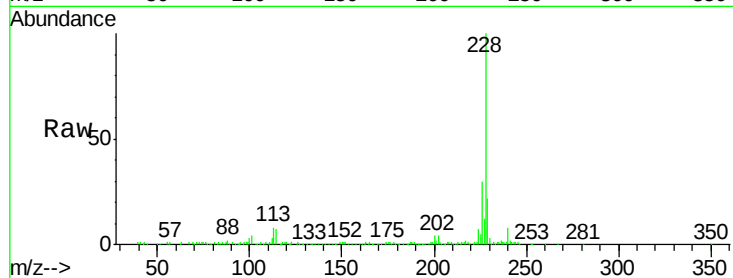
#82
Chrysene
Concen: 8.24 ng m
RT: 14.10 min Scan# 1047
Delta R.T. -0.03 min
Lab File: BF081925.D
Acq: 1 Oct 2015 2:55

Instrument :
BNA_F
ClientSampleId :
OGS-SSCF-PH-FL-3-4-4.5

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	160329		
226	30.2	21.0	31.4	
229	21.7	15.6	23.4	

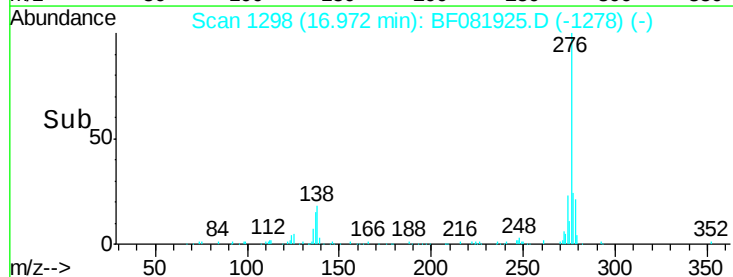
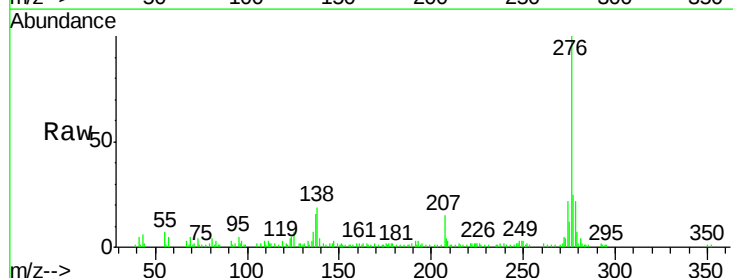
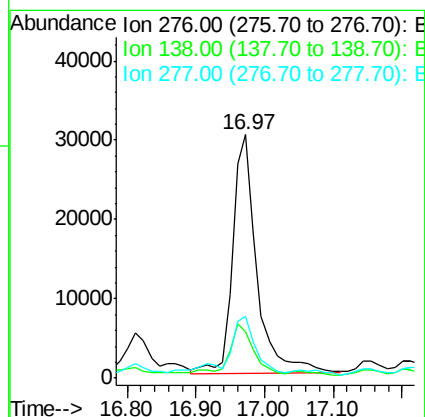
Manual Integrations
APPROVED

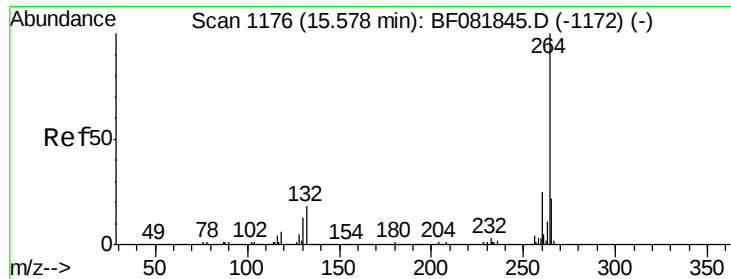
MMDadoda
10/1/2015 2:24:30 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 5.58 ng
RT: 16.97 min Scan# 1298
Delta R.T. -0.07 min
Lab File: BF081925.D
Acq: 1 Oct 2015 2:55

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	74708		
138	21.9	25.7	38.5#	
277	26.2	15.6	23.4#	





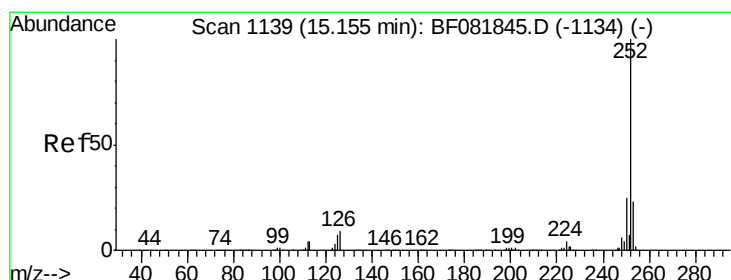
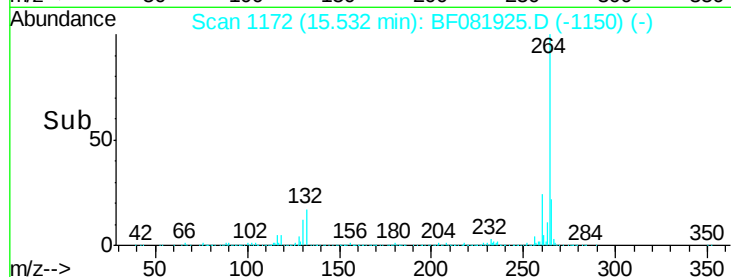
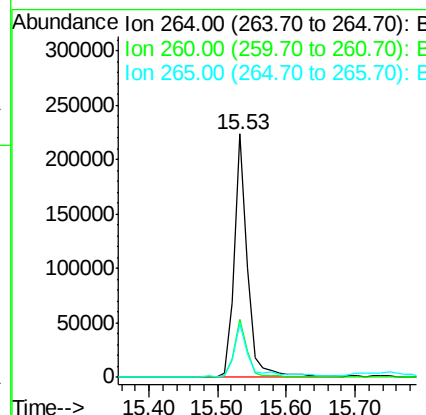
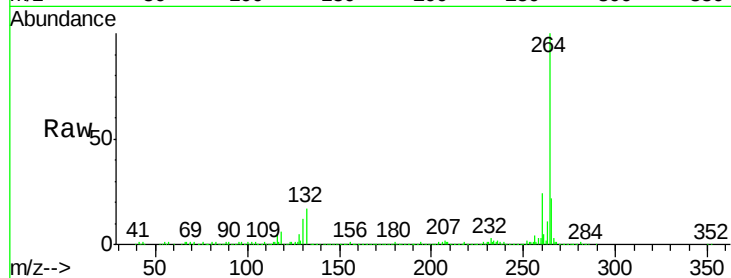
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.53 min Scan# 1172
Delta R.T. -0.05 min
Lab File: BF081925.D
Acq: 1 Oct 2015 2:55

Instrument :
BNA_F
ClientSampleId :
OGS-SSCF-PH-FL-3-4-4.5

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	16.7	25.1
265	22.0	17.2	25.8

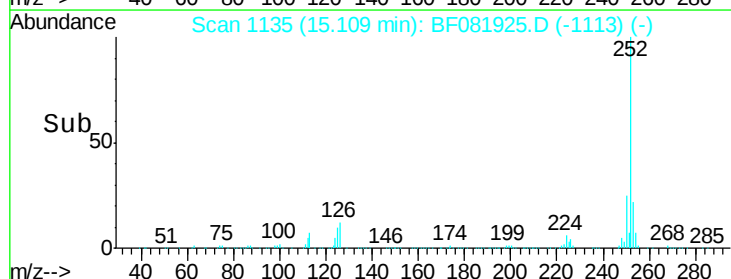
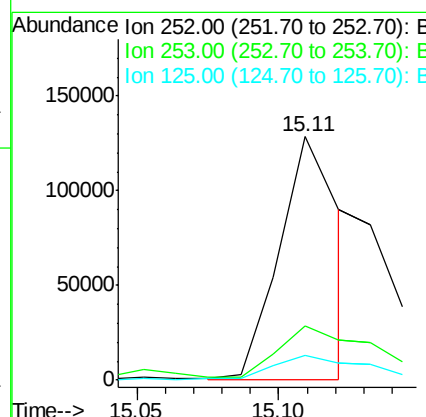
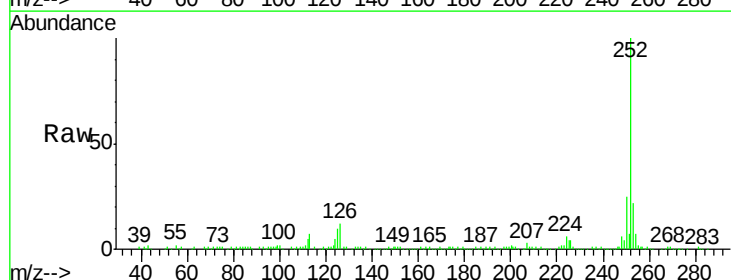
Manual Integrations
APPROVED

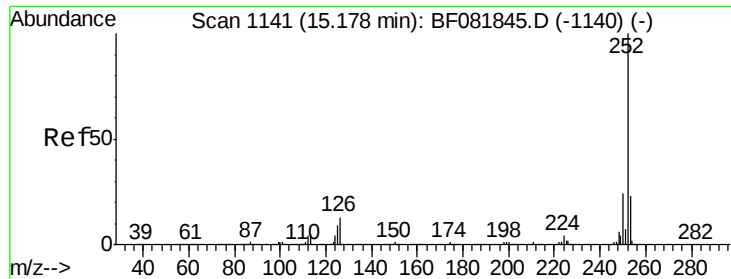
MMDadoda
10/1/2015 2:24:30 PM



#87
Benzo(b)fluoranthene
Concen: 10.80 ng m
RT: 15.11 min Scan# 1135
Delta R.T. -0.05 min
Lab File: BF081925.D
Acq: 1 Oct 2015 2:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	10.2	17.1	25.7#





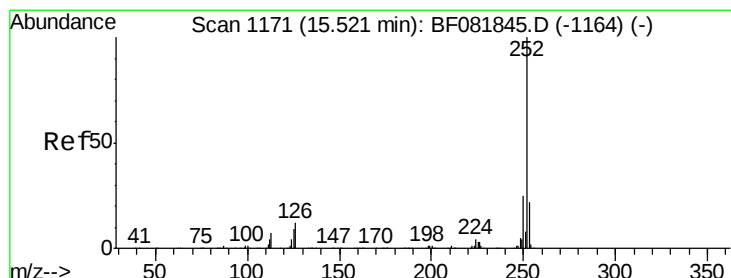
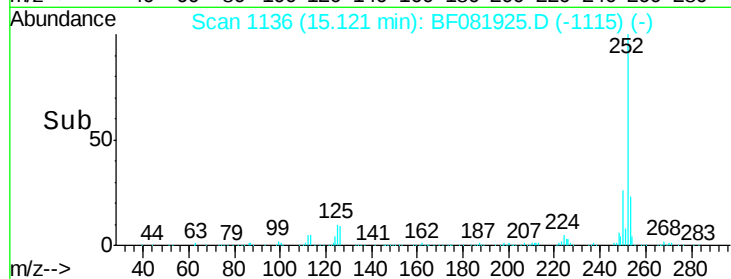
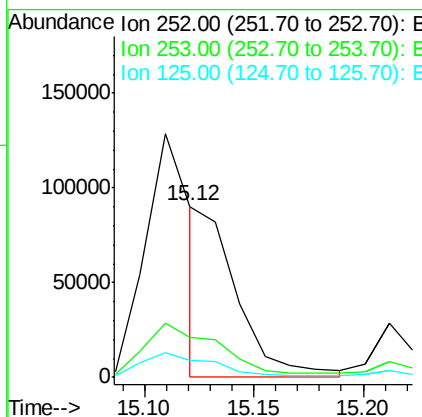
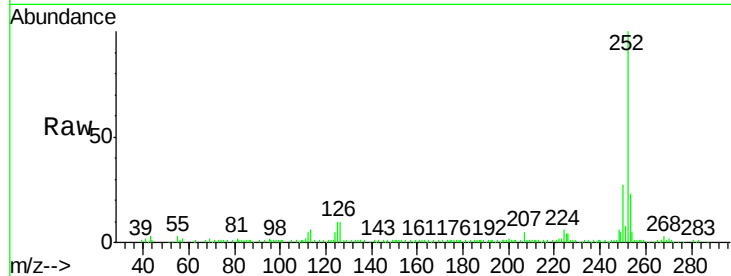
#88
Benzo(k)fluoranthene
Concen: 6.24 ng m
RT: 15.12 min Scan# 1136
Delta R.T. -0.06 min
Lab File: BF081925.D
Acq: 1 Oct 2015 2:55

Instrument :
BNA_F
ClientSampleId :
OGS-SSCF-PH-FL-3-4-4.5

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.3	17.0	25.4
125	10.2	16.0	24.0

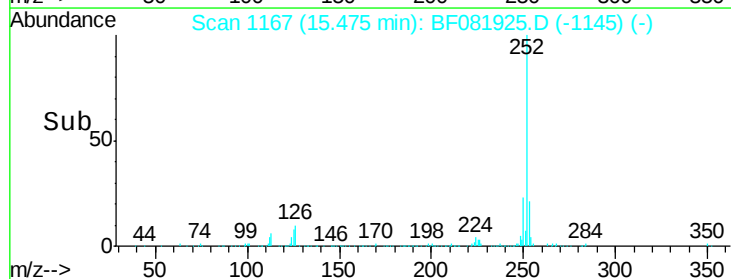
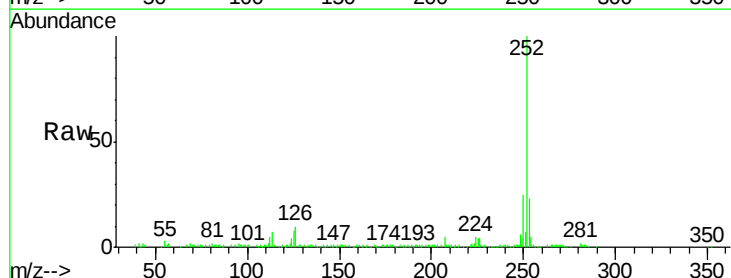
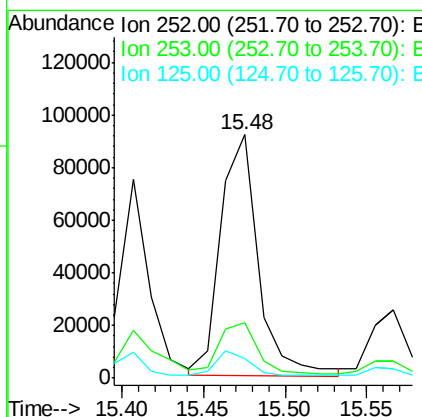
Manual Integrations
APPROVED

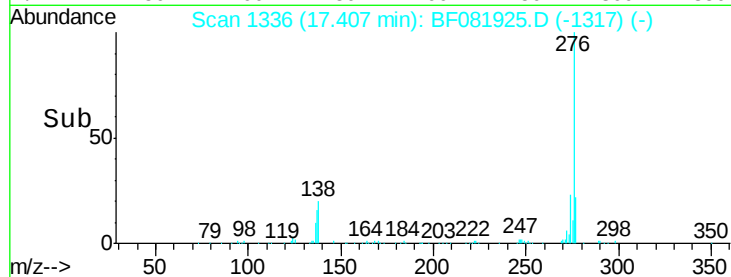
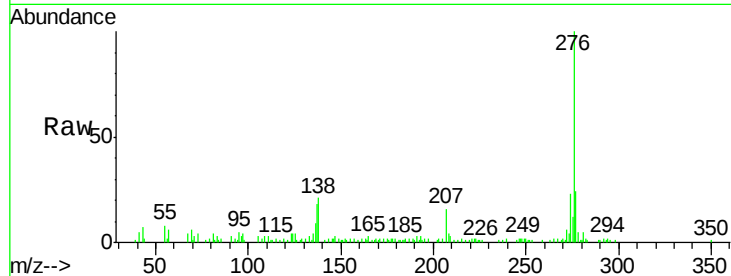
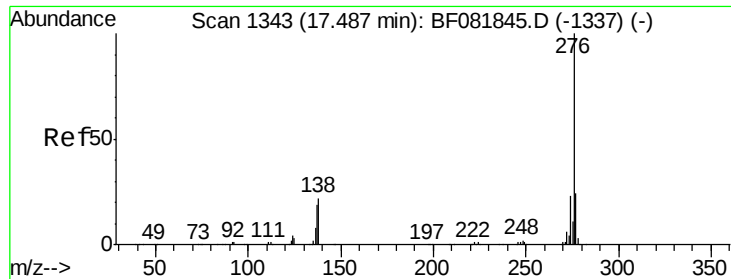
MMDadoda
10/1/2015 2:24:30 PM



#89
Benzo(a)pyrene
Concen: 9.66 ng
RT: 15.48 min Scan# 1167
Delta R.T. -0.05 min
Lab File: BF081925.D
Acq: 1 Oct 2015 2:55

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.9	17.2	25.8
125	8.3	18.0	27.0





#91

Benzo(g,h,i)perylene

Concen: 4.91 ng

RT: 17.41 min Scan# 1336

Delta R.T. -0.08 min

Lab File: BF081925.D

Acq: 1 Oct 2015 2:55

Instrument :

BNA_F

ClientSampleId :

OGS-SSCF-PH-FL-3-4-4.5

Tgt Ion:	276	Resp:	64188
Ion Ratio		Lower	Upper
276	100		
277	23.8	17.8	26.6
138	21.3	34.6	51.8#

Manual Integrations
APPROVED

MMDadoda
10/1/2015 2:24:30 PM

