

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092115\
 Data File : BF081731.D
 Acq On : 22 Sep 2015 3:14
 Operator : UM/IZ
 Sample : G3747-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TRENCH-1-2

Manual Integrations
 APPROVED

MMDadoda
 9/22/2015 2:15:46 PM

Quant Time: Sep 22 04:29:48 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 22 04:14:20 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	32980	20.00	ng	0.01
21) Naphthalene-d8	11.18	136	123155m	20.00	ng	0.11
38) Acenaphthene-d10	15.36	164	62237m	20.00	ng	0.16
63) Phenanthrene-d10	18.85	188	100580	20.00	ng	0.15
75) Chrysene-d12	23.36	240	77413	20.00	ng	0.01
86) Perylene-d12	24.79	264	67313	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	215508	101.38	ng	0.01
7) Phenol-d6	7.60	99	304916	108.37	ng	0.00
23) Nitrobenzene-d5	9.49	82	307704m	120.54	ng	0.01
41) 2,4,6-Tribromophenol	17.27	330	48679	87.84	ng	0.16
44) 2-Fluorobiphenyl	13.83	172	304179	62.63	ng	0.11
78) Terphenyl-d14	22.09	244	259434	78.01	ng	0.02
Target Compounds						
31) Naphthalene	11.22	128	1329287	202.39	ng	Qvalue # 79
37) 2-Methylnaphthalene	12.95	142	4182782m	978.61	ng	
45) 1,1'-Biphenyl	14.07	154	819926m	143.20	ng	
57) Fluorene	16.68	166	378642m	81.88	ng	
70) Phenanthrene	18.92	178	887252	158.67	ng	# 93
77) Pyrene	21.79	202	61296	10.69	ng	# 74

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

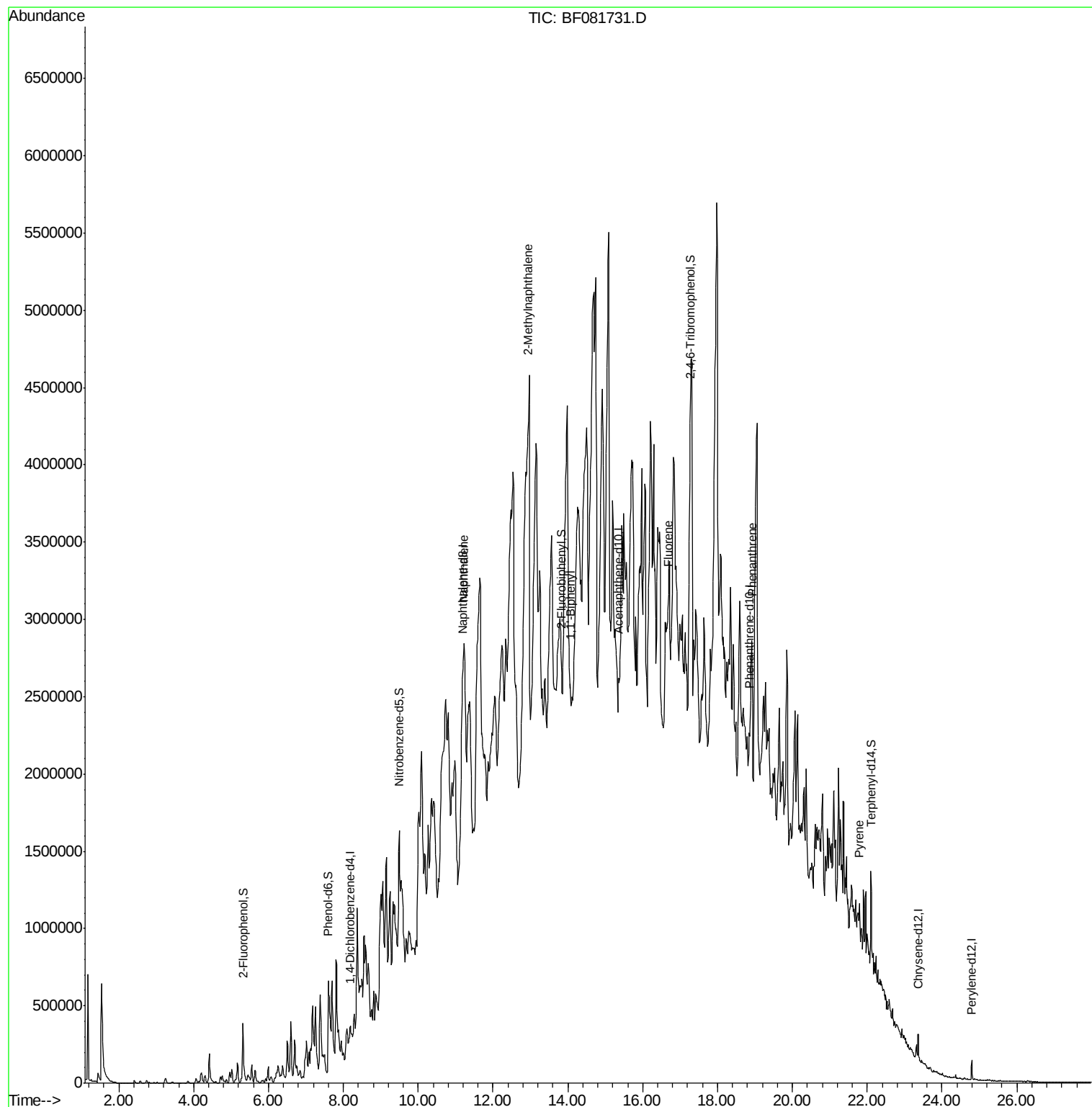
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092115\
Data File : BF081731.D
Acq On : 22 Sep 2015 3:14
Operator : UM/IZ
Sample : G3747-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TRENCH-1-2

Manual Integrations
APPROVED

MMDadoda
9/22/2015 2:15:46 PM

Quant Time: Sep 22 04:29:48 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 22 04:14:20 2015
Response via : Initial Calibration





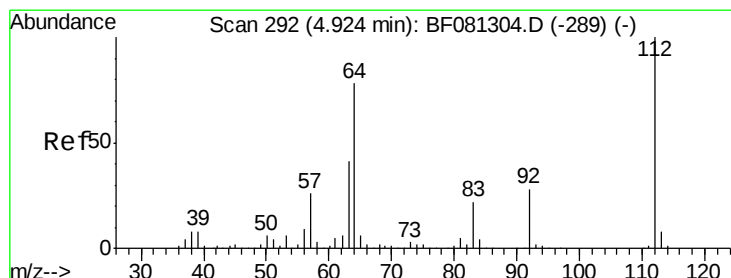
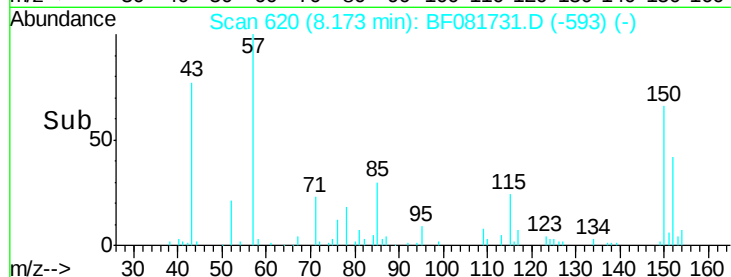
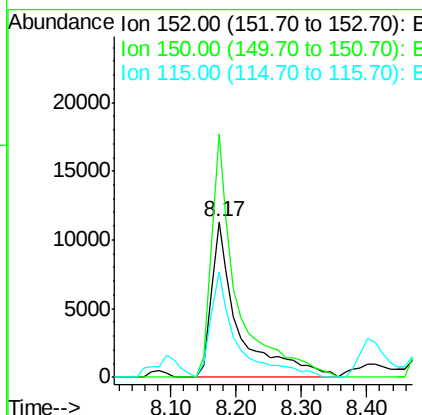
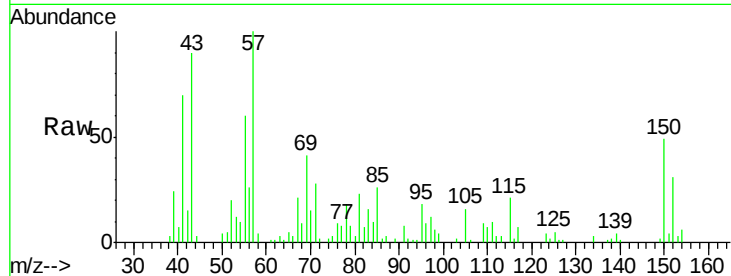
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 8.17 min Scan# 620
 Delta R.T. 0.01 min
 Lab File: BF081731.D
 Acq: 22 Sep 2015 3:14

Instrument :
 BNA_F
 ClientSampleId :
 TRENCH-1-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.7	187.1
115	67.8	39.0	58.4

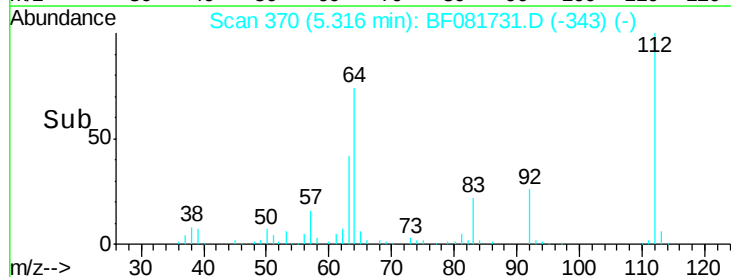
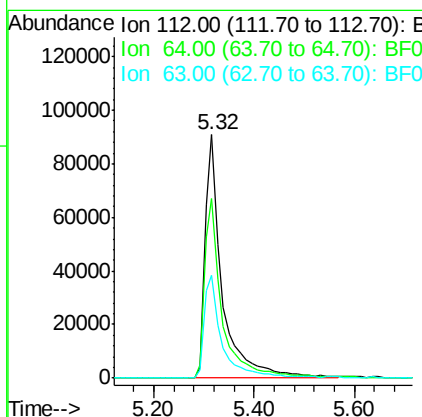
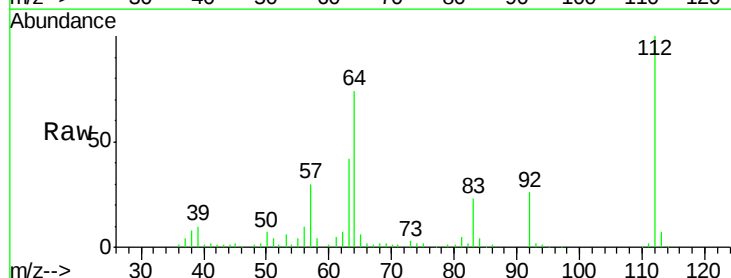
Manual Integrations
 APPROVED

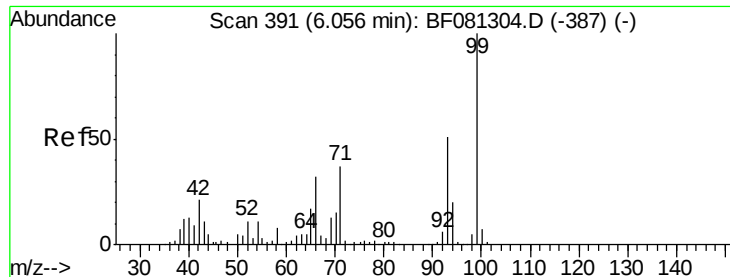
MMDadoda
 9/22/2015 2:15:46 PM



#5
 2-Fluorophenol
 Concen: 101.38 ng
 RT: 5.32 min Scan# 370
 Delta R.T. 0.01 min
 Lab File: BF081731.D
 Acq: 22 Sep 2015 3:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.9	39.7	59.5
63	42.3	17.4	26.0





#7

Phenol-d6

Concen: 108.37 ng

RT: 7.60 min Scan# 570

Delta R.T. -0.00 min

Lab File: BF081731.D

Acq: 22 Sep 2015 3:14

Instrument :

BNA_F

ClientSampleId :

TRENCH-1-2

Tot Ion: 99 Resp: 304916
Ion Ratio Lower Upper

99 100

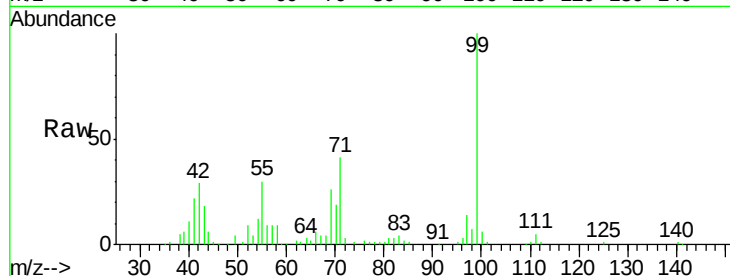
42 29.0 13.7 20.5#

71 41.3 14.2 21.2#

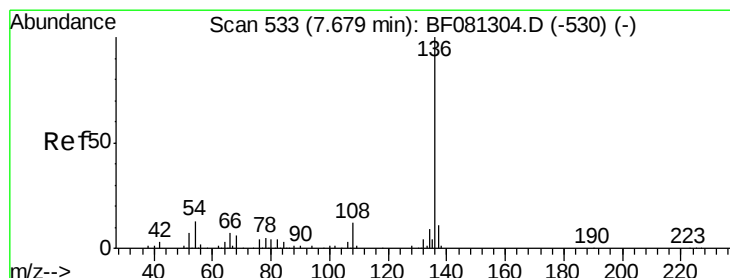
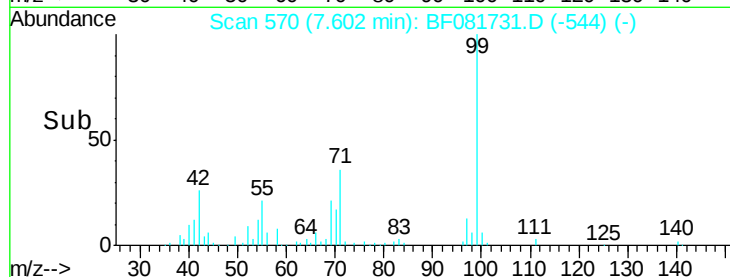
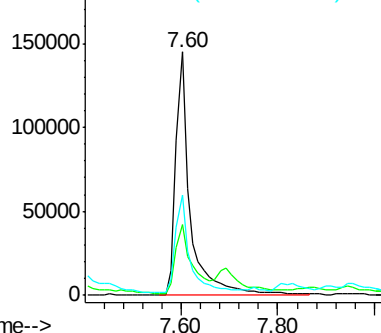
Manual Integrations
APPROVED

MMDadoda

9/22/2015 2:15:46 PM



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng m

RT: 11.18 min Scan# 883

Delta R.T. 0.11 min

Lab File: BF081731.D

Acq: 22 Sep 2015 3:14

Tgt Ion: 136 Resp: 123155
Ion Ratio Lower Upper

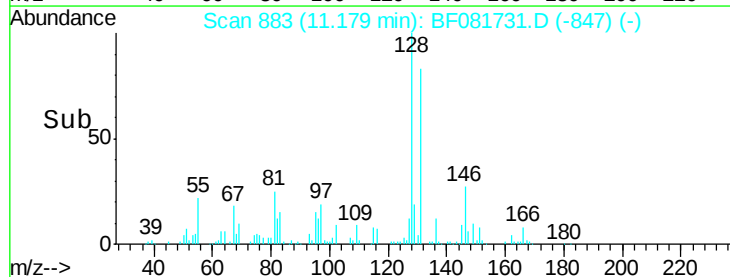
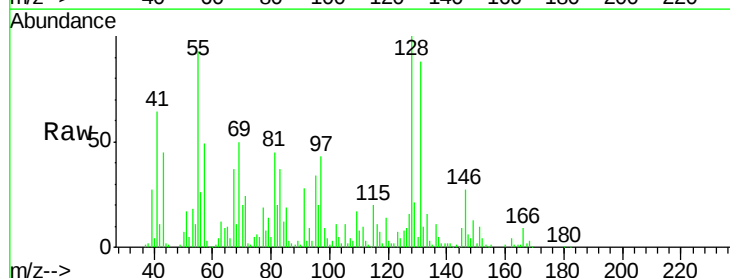
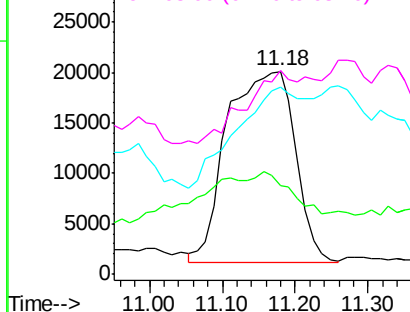
136 100

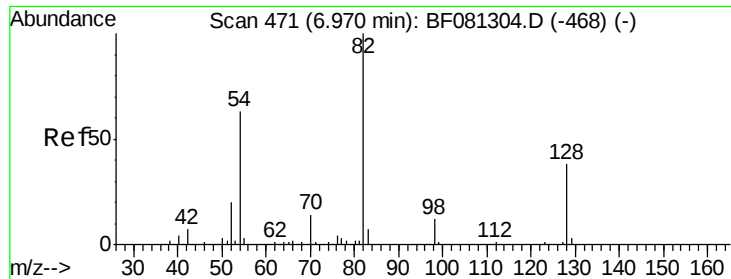
137 43.9 9.0 13.6#

54 92.3 8.2 12.2#

68 100.5 5.8 8.6#

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): BF0
Ion 68.00 (67.70 to 68.70): BF0





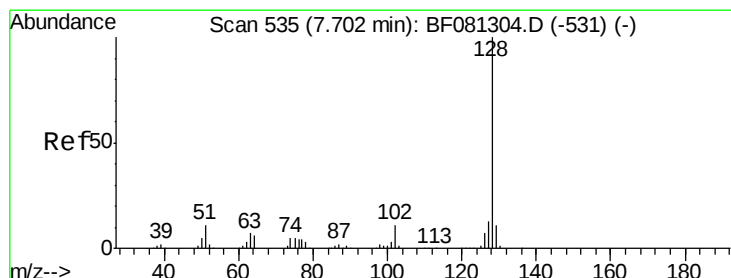
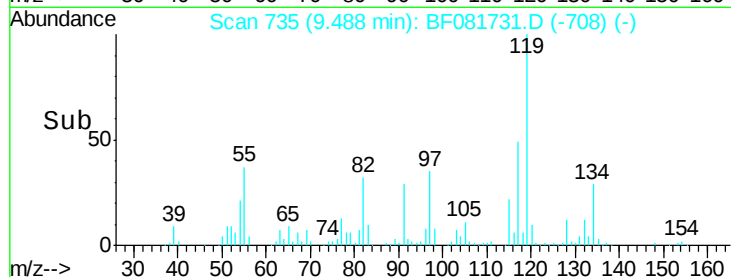
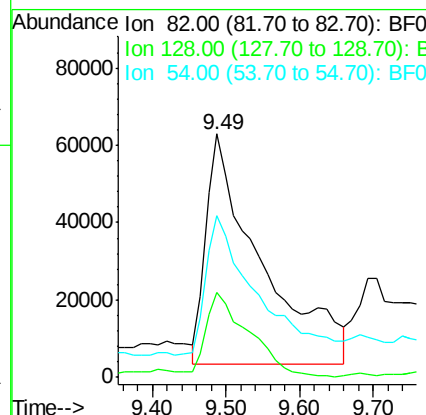
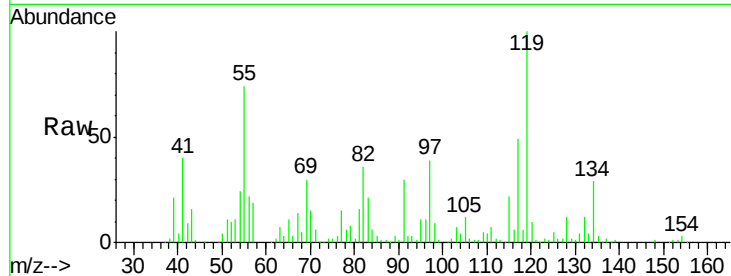
#23
Nitrobenzene-d5
Concen: 120.54 ng m
RT: 9.49 min Scan# 735
Delta R.T. 0.01 min
Lab File: BF081731.D
Acq: 22 Sep 2015 3:14

Instrument :
BNA_F
ClientSampleId :
TRENCH-1-2

Tot Ion	82	Resp	307704
Ion Ratio	100	Lower	Upper
128	35.0	51.0	76.6#
54	66.3	47.5	71.3

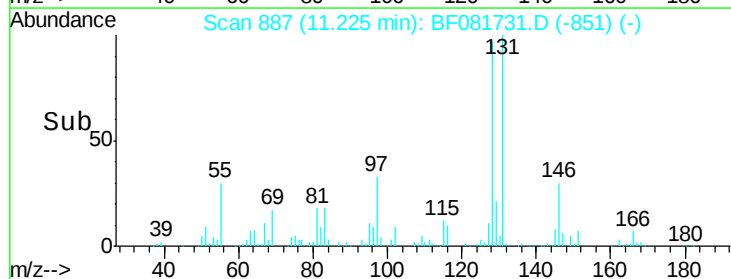
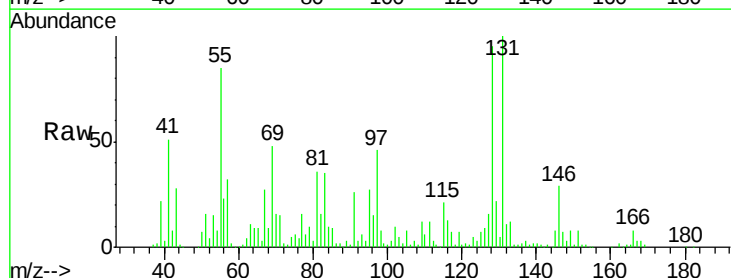
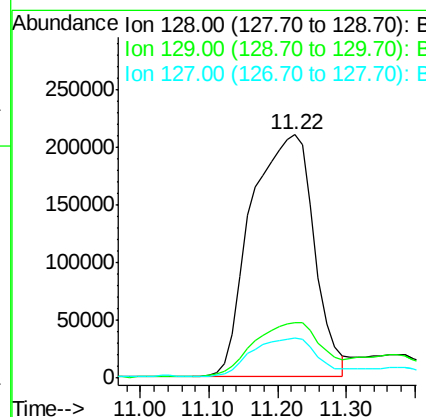
Manual Integrations
APPROVED

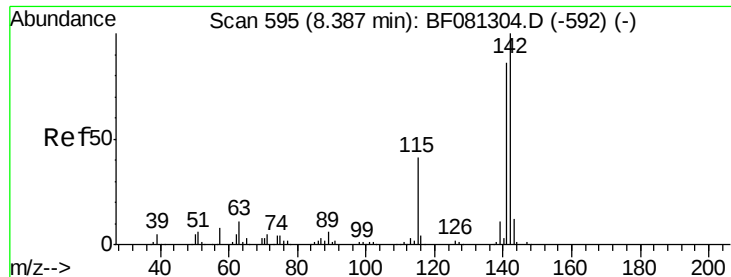
MMDadoda
9/22/2015 2:15:46 PM



#31
Naphthalene
Concen: 202.39 ng
RT: 11.22 min Scan# 887
Delta R.T. 0.11 min
Lab File: BF081731.D
Acq: 22 Sep 2015 3:14

Tgt Ion	128	Resp	1329287
Ion Ratio	100	Lower	Upper
129	22.8	8.4	12.6#
127	16.5	9.9	14.9#





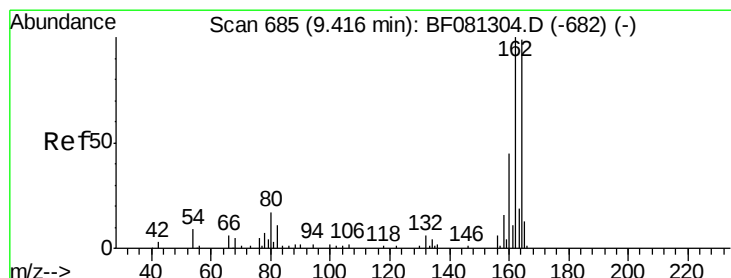
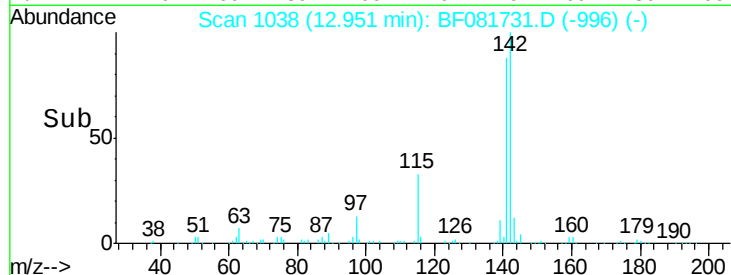
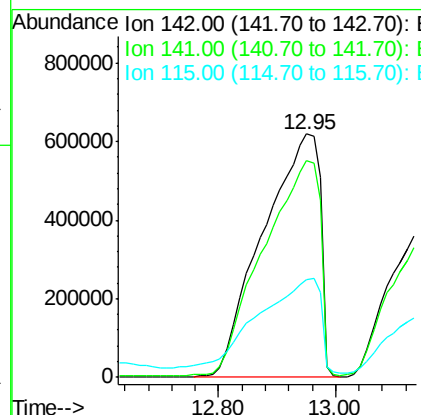
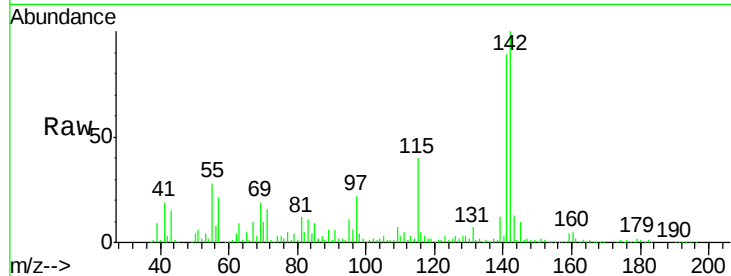
#37
2-Methylnaphthalene
Concen: 978.61 ng m
RT: 12.95 min Scan# 1038
Delta R.T. 0.18 min
Lab File: BF081731.D
Acq: 22 Sep 2015 3:14

Instrument :
BNA_F
ClientSampleId :
TRENCH-1-2

Tot Ion:142 Resp: 4182782
Ion Ratio Lower Upper
142 100
141 89.0 67.5 101.3
115 40.1 18.2 27.2#

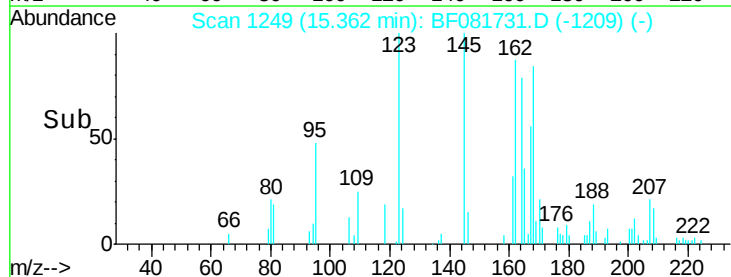
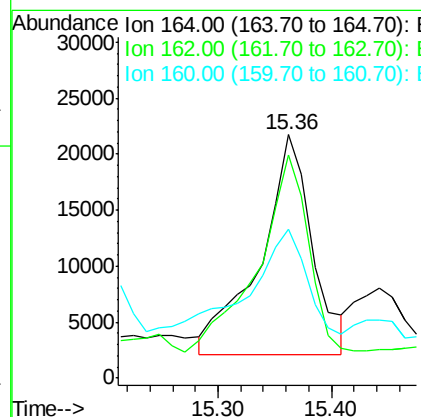
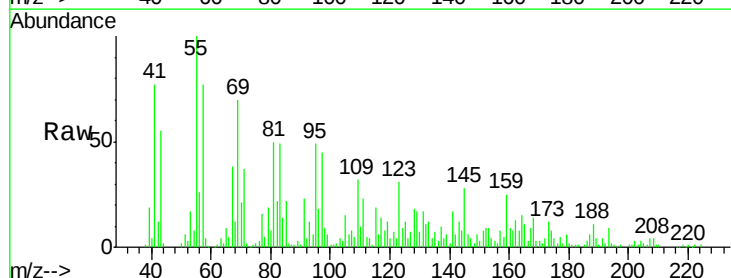
Manual Integrations
APPROVED

MMDadoda
9/22/2015 2:15:46 PM



#38
Acenaphthene-d10
Concen: 20.00 ng m
RT: 15.36 min Scan# 1249
Delta R.T. 0.16 min
Lab File: BF081731.D
Acq: 22 Sep 2015 3:14

Tgt Ion:164 Resp: 62237
Ion Ratio Lower Upper
164 100
162 91.8 75.2 112.8
160 61.2 31.5 47.3#





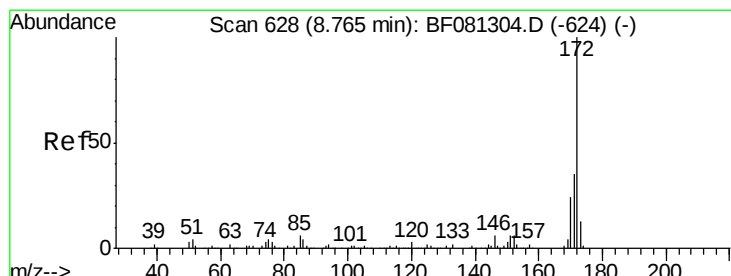
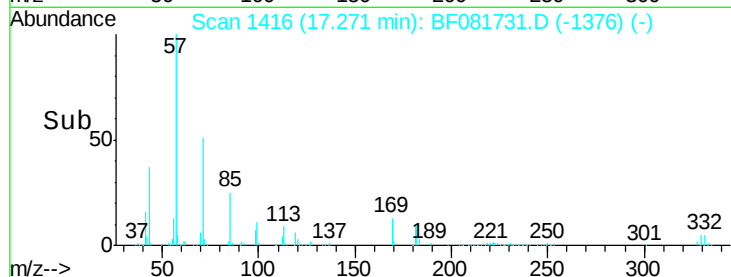
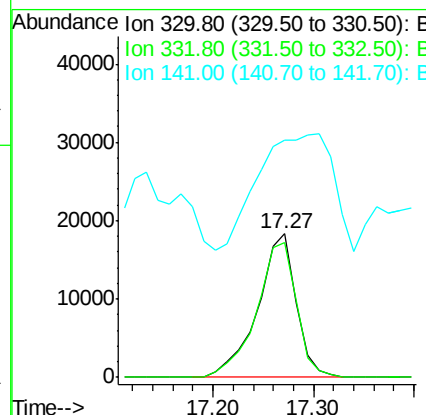
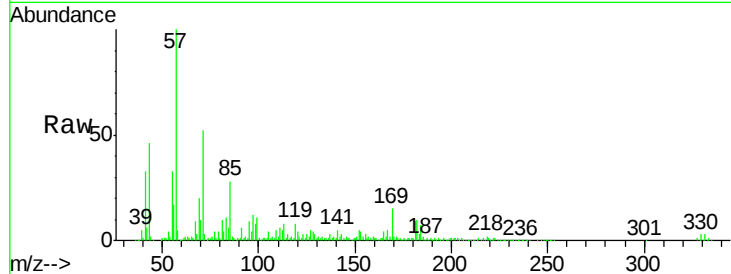
#41
 2,4,6-Tribromophenol
 Concen: 87.84 ng
 RT: 17.27 min Scan# 1416
 Delta R.T. 0.16 min
 Lab File: BF081731.D
 Acq: 22 Sep 2015 3:14

Instrument :
 BNA_F
 ClientSampleId :
 TRENCH-1-2

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	76.6	114.8
141	0.0	29.7	44.5#

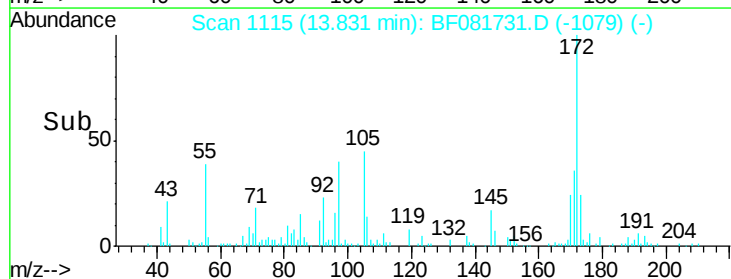
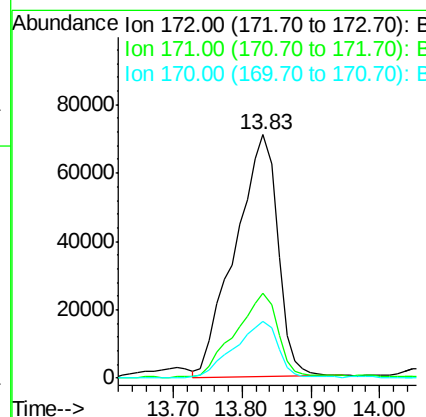
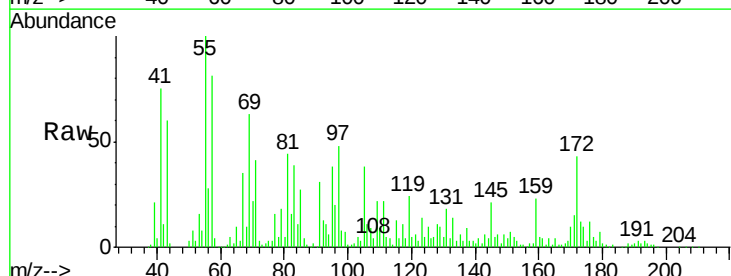
Manual Integrations
 APPROVED

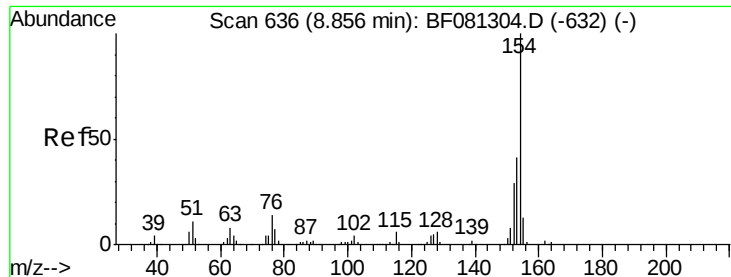
MMDadoda
 9/22/2015 2:15:46 PM



#44
 2-Fluorobiphenyl
 Concen: 62.63 ng
 RT: 13.83 min Scan# 1115
 Delta R.T. 0.11 min
 Lab File: BF081731.D
 Acq: 22 Sep 2015 3:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	26.1	39.1
170	23.4	17.4	26.2





#45

1,1'-Biphenyl

Concen: 143.20 ng/mL

RT: 14.07 min Scan# 1136

Delta R.T. 0.16 min

Lab File: BF081731.D

Acq: 22 Sep 2015 3:14

Instrument :

BNA_F

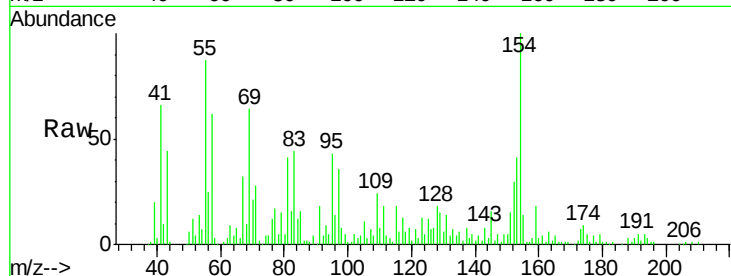
ClientSampleId :

TRENCH-1-2

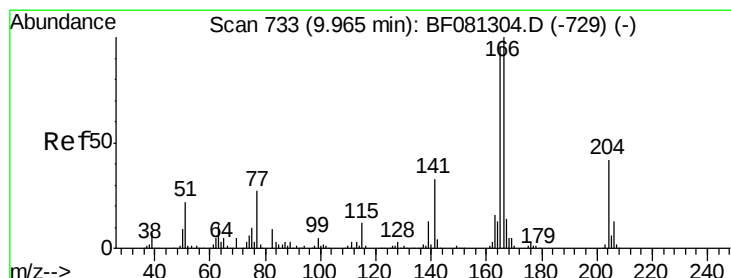
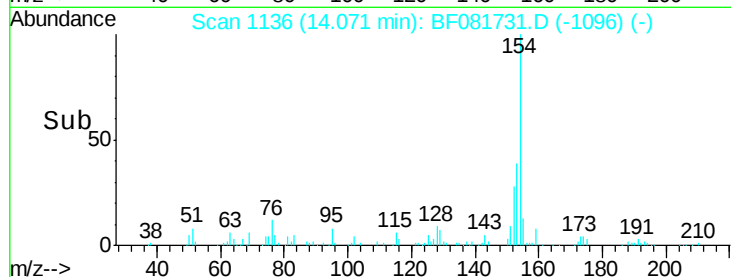
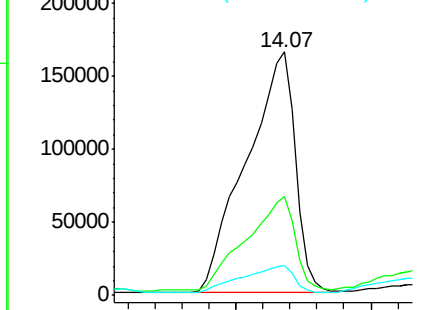
Tot Ion:	154	Resp:	819926
Ion Ratio	Lower	Upper	
154	100		
153	40.7	17.1	57.1
76	12.5	0.0	31.6

Manual Integrations
APPROVED

MMDadoda
9/22/2015 2:15:46 PM



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0



#57

Fluorene

Concen: 81.88 ng/mL

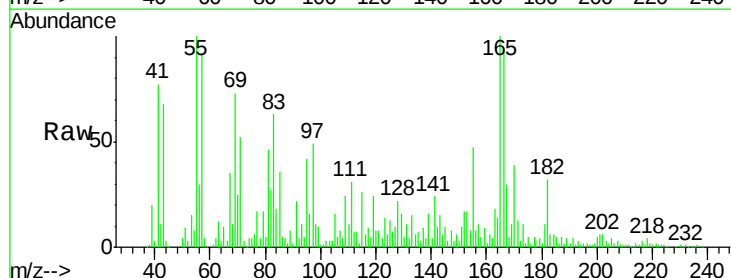
RT: 16.68 min Scan# 1364

Delta R.T. 0.16 min

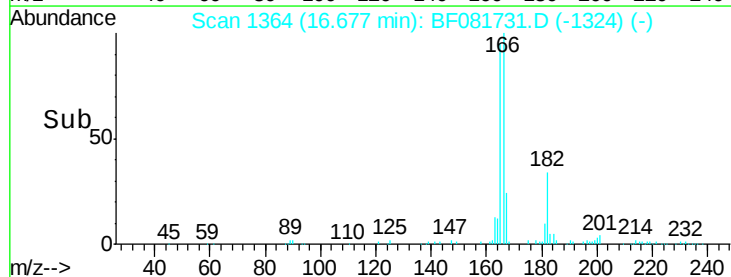
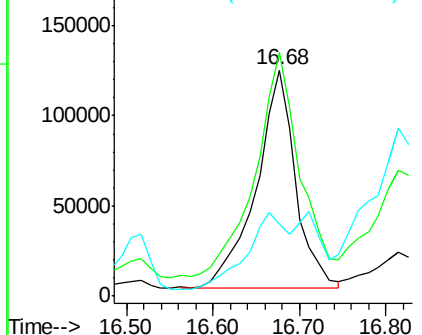
Lab File: BF081731.D

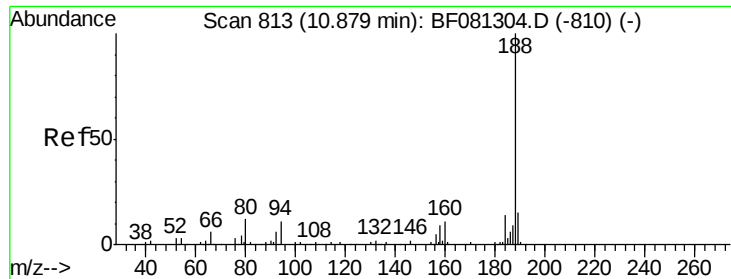
Acq: 22 Sep 2015 3:14

Tgt Ion:	166	Resp:	378642
Ion Ratio	Lower	Upper	
166	100		
165	107.8	72.6	109.0
167	32.0	10.6	16.0#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 18.85 min Scan# 1554

Delta R.T. 0.15 min

Lab File: BF081731.D

Acq: 22 Sep 2015 3:14

Instrument :

BNA_F

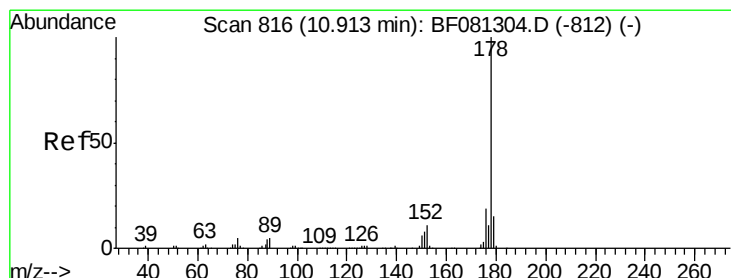
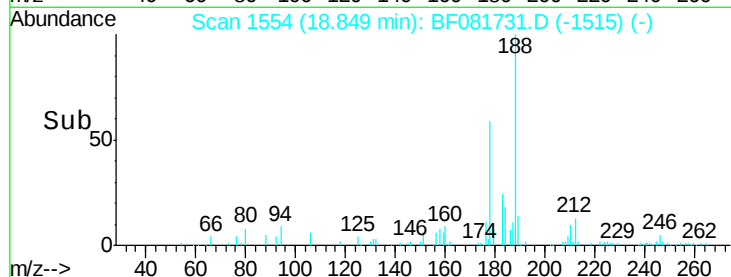
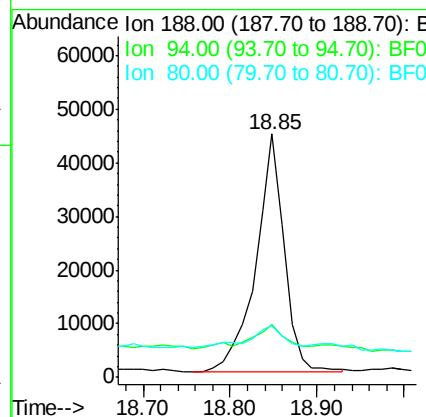
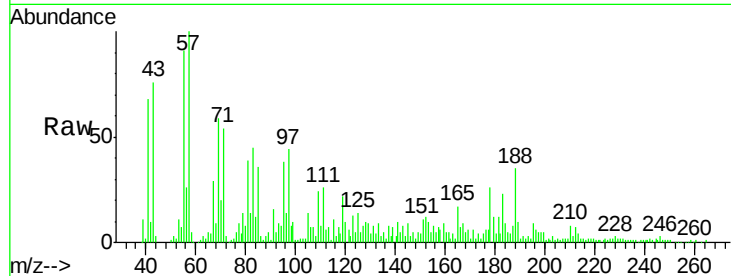
ClientSampleId :

TRENCH-1-2

Tot Ion:	188	Resp:	100580
Ion Ratio	Lower	Upper	
188	100		
94	21.8	11.1	16.7#
80	21.3	11.0	16.4#

Manual Integrations
APPROVED

MMDadoda
9/22/2015 2:15:46 PM



#70

Phenanthrene

Concen: 158.67 ng

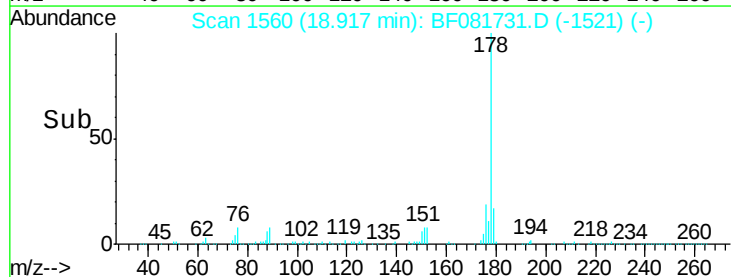
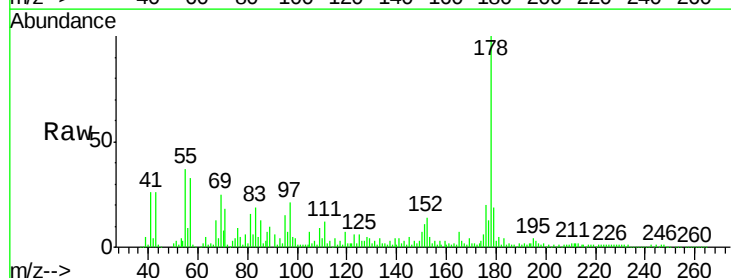
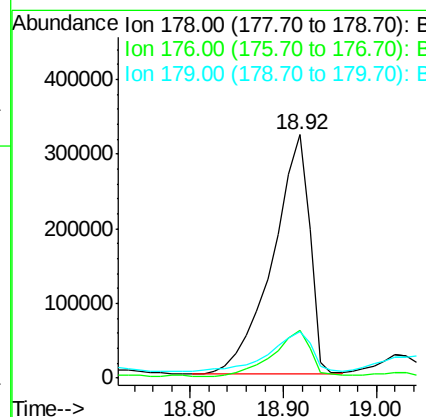
RT: 18.92 min Scan# 1560

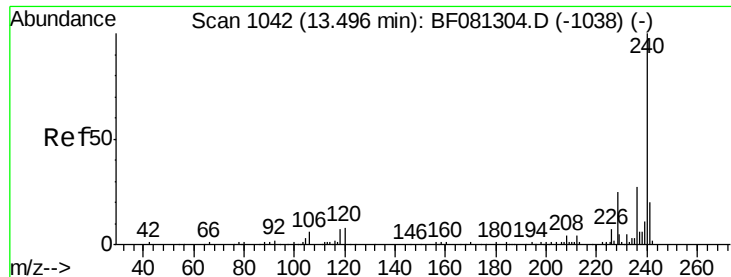
Delta R.T. 0.15 min

Lab File: BF081731.D

Acq: 22 Sep 2015 3:14

Tgt Ion:	178	Resp:	887252
Ion Ratio	Lower	Upper	
178	100		
176	19.7	13.8	20.8
179	19.1	12.2	18.2#





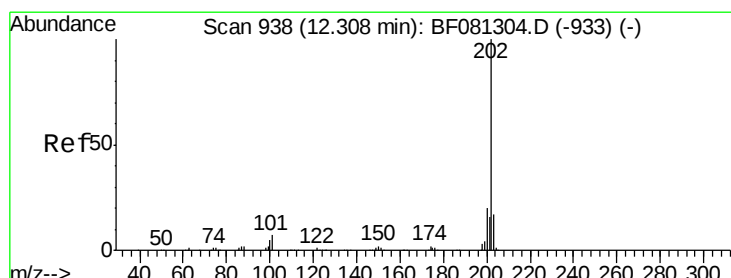
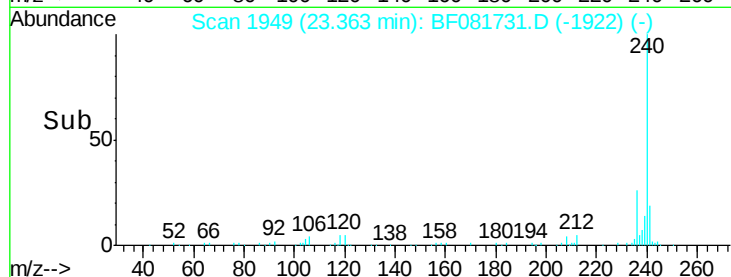
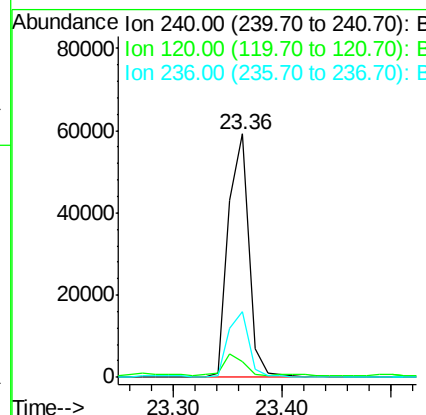
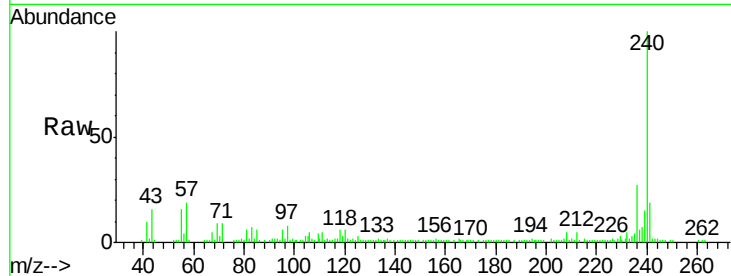
#75
Chrysene-d12
Concen: 20.00 ng
RT: 23.36 min Scan# 1949
Delta R.T. 0.01 min
Lab File: BF081731.D
Acq: 22 Sep 2015 3:14

Instrument :
BNA_F
ClientSampleId :
TRENCH-1-2

Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	6.5	16.2	24.2#
236	27.2	18.4	27.6

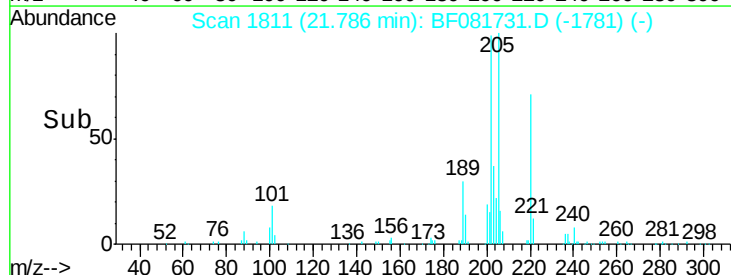
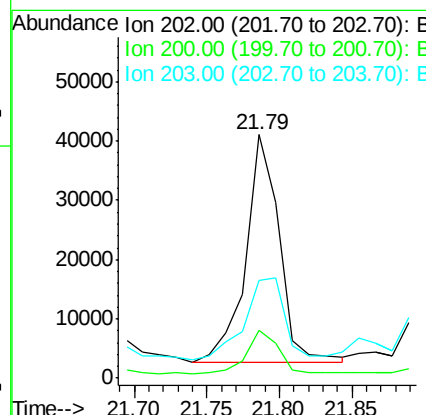
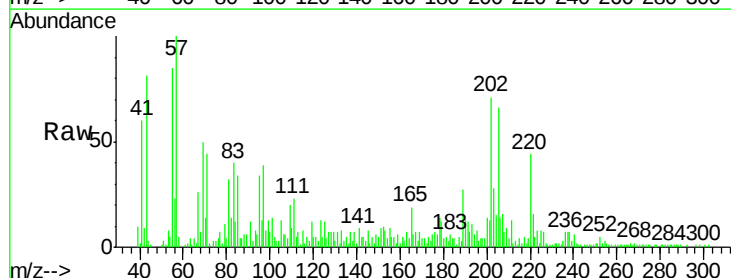
Manual Integrations
APPROVED

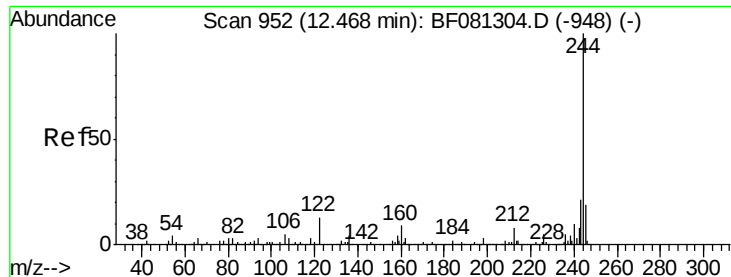
MMDadoda
9/22/2015 2:15:46 PM



#77
Pyrene
Concen: 10.69 ng
RT: 21.79 min Scan# 1811
Delta R.T. 0.05 min
Lab File: BF081731.D
Acq: 22 Sep 2015 3:14

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	19.6	15.0	22.4
203	40.2	14.1	21.1#





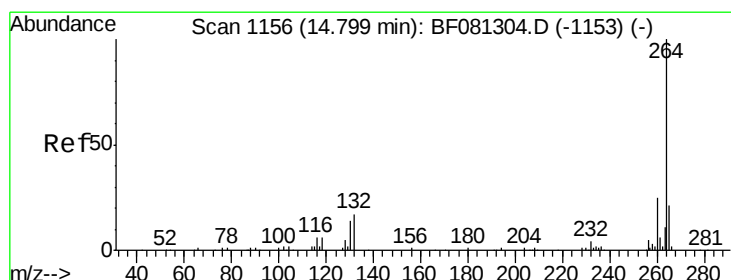
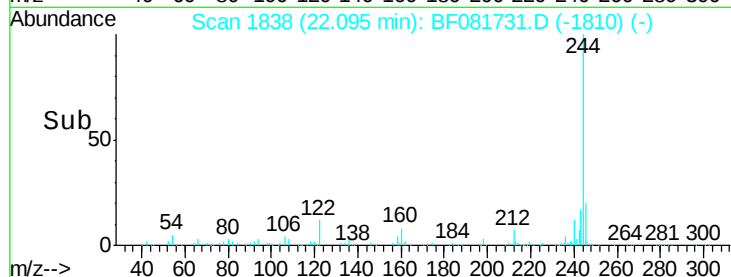
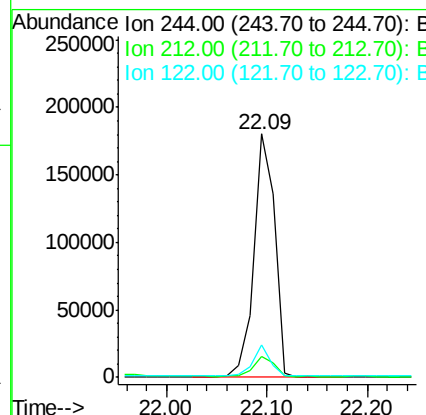
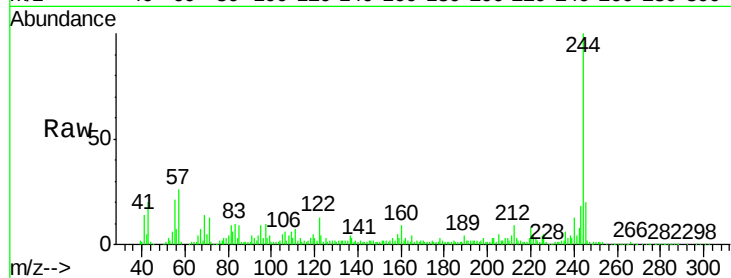
#78
 Terphenyl-d14
 Concen: 78.01 ng
 RT: 22.09 min Scan# 1838
 Delta R.T. 0.02 min
 Lab File: BF081731.D
 Acq: 22 Sep 2015 3:14

Instrument :
 BNA_F
 ClientSampleId :
 TRENCH-1-2

Tot Ion	Ratio	Resp	Lower	Upper
244	100	259434		
212	8.7	4.3	6.5#	
122	13.3	17.4	26.2#	

Manual Integrations
 APPROVED

MMDadoda
 9/22/2015 2:15:46 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 24.79 min Scan# 2074
 Delta R.T. -0.00 min
 Lab File: BF081731.D
 Acq: 22 Sep 2015 3:14

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	67313		
260	24.9	16.7	25.1	
265	22.7	17.2	25.8	

