

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112315\
 Data File : BF083219.D
 Acq On : 23 Nov 2015 22:37
 Operator : UM/IZ
 Sample : G4430-01RE
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-JCRE

Manual Integrations
 APPROVED

Mmdadoda
 11/24/2015 1:20:06 PM

Quant Time: Nov 24 12:23:35 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Nov 22 09:22:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	148512	20.00	ng	-0.02
21) Naphthalene-d8	7.93	136	523011	20.00	ng	-0.02
38) Acenaphthene-d10	9.68	164	214995	20.00	ng	-0.02
63) Phenanthrene-d10	11.16	188	323812	20.00	ng	-0.01
75) Chrysene-d12	13.82	240	203776	20.00	ng	0.01
86) Perylene-d12	15.25	264	152432	20.00	ng	0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	872108	88.78	ng	-0.05
7) Phenol-d6	6.31	99	1170895	92.12	ng	-0.03
23) Nitrobenzene-d5	7.21	82	740305	64.68	ng	-0.02
41) 2,4,6-Tribromophenol	10.47	330	175140	79.63	ng	-0.02
44) 2-Fluorobiphenyl	9.00	172	1057268	68.57	ng	-0.02
78) Terphenyl-d14	12.76	244	722011	83.44	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.40	163	241237	14.57	ng	Qvalue 99
70) Phenanthrene	11.19	178	161406	8.65	ng	# 85
74) Fluoranthene	12.38	202	204938	10.73	ng	85
77) Pyrene	12.60	202	223840	16.08	ng	# 86
80) Benzo(a)anthracene	13.82	228	53986m	4.28	ng	
82) Chrysene	13.85	228	84070m	7.19	ng	
91) Benzo(g,h,i)perylene	16.90	276	118233	15.51	ng	# 71

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

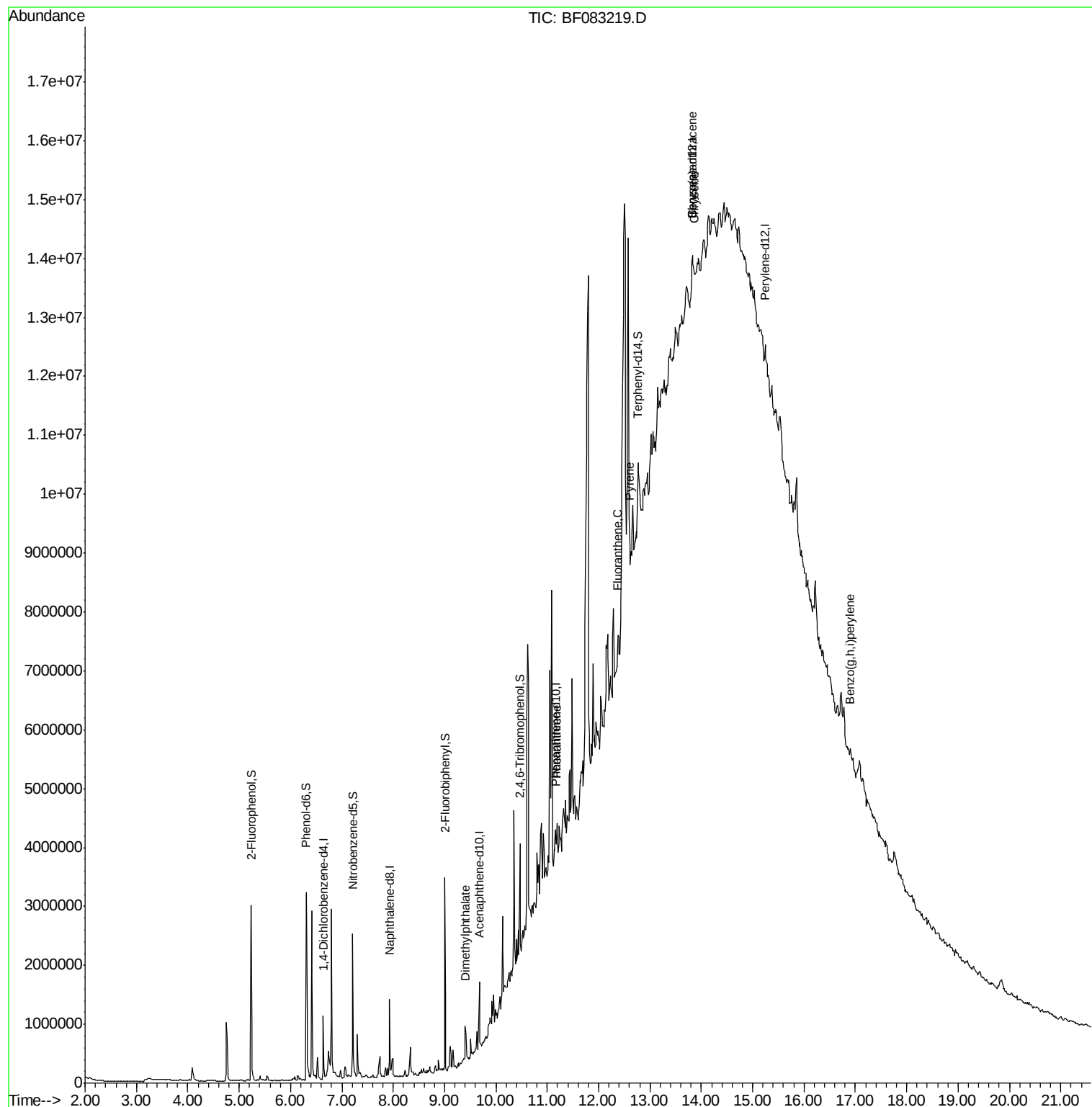
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112315\
Data File : BF083219.D
Acq On : 23 Nov 2015 22:37
Operator : UM/IZ
Sample : G4430-01RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

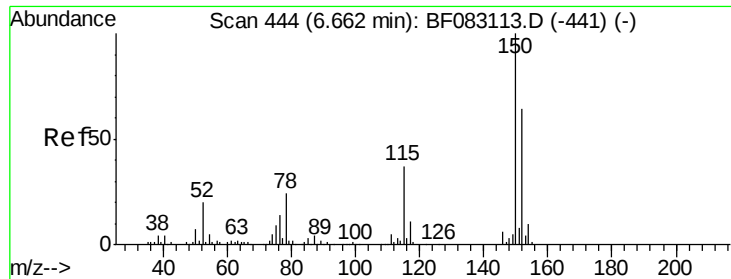
Instrument :
BNA_F
ClientSampleId :
WC-JCRE

Manual Integrations
APPROVED

Mmdadoda
11/24/2015 1:20:06 PM

Quant Time: Nov 24 12:23:35 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Nov 22 09:22:46 2015
Response via : Initial Calibration





#1

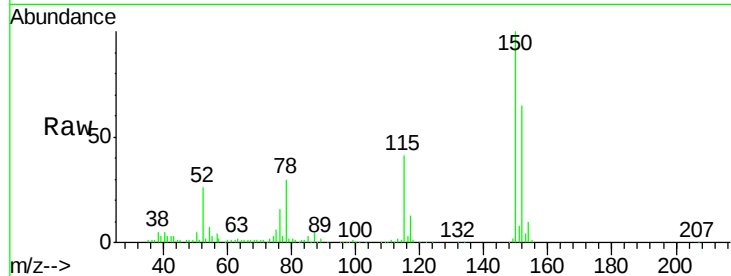
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.64 min Scan# 407
Delta R.T. -0.02 min
Lab File: BF083219.D
Acq: 23 Nov 2015 22:37

Instrument :
BNA_F
ClientSampleId :
WC-JCRE

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.5	125.8	188.8
115	62.9	46.9	70.3

Manual Integrations
APPROVED

Mmdadoda
11/24/2015 1:20:06 PM



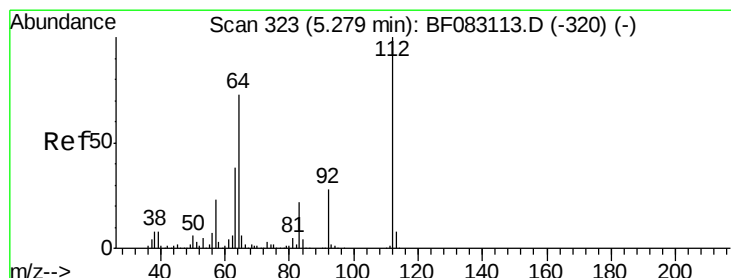
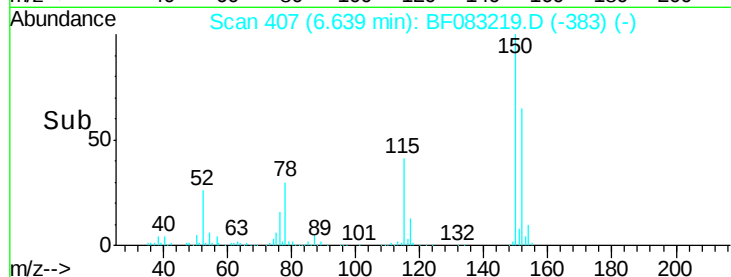
Abundance

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

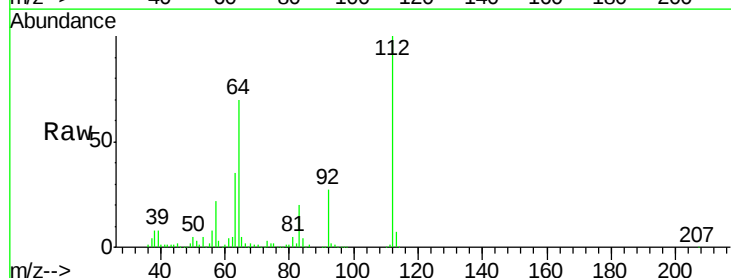
Time-->



#5

2-Fluorophenol
Concen: 88.78 ng
RT: 5.23 min Scan# 284
Delta R.T. -0.05 min
Lab File: BF083219.D
Acq: 23 Nov 2015 22:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.6	58.4	87.6
63	35.4	30.0	45.0



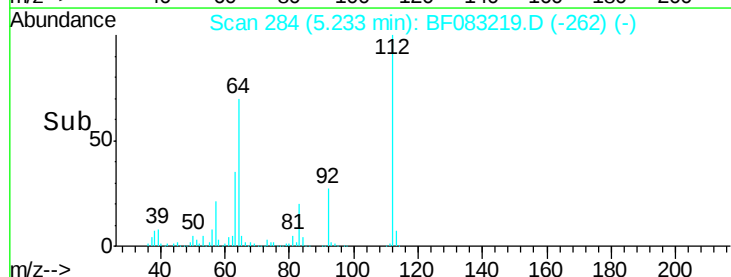
Abundance

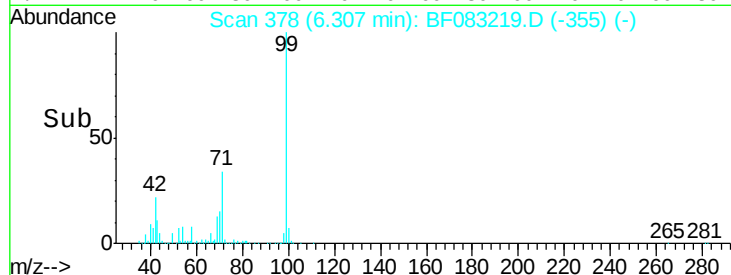
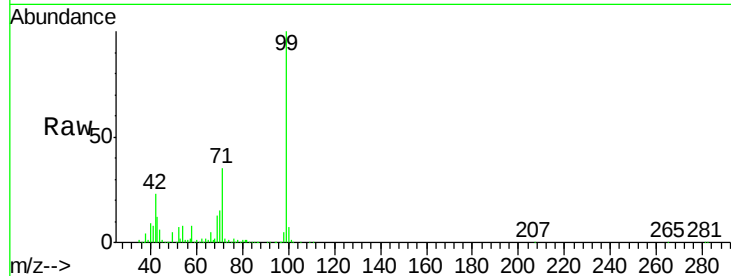
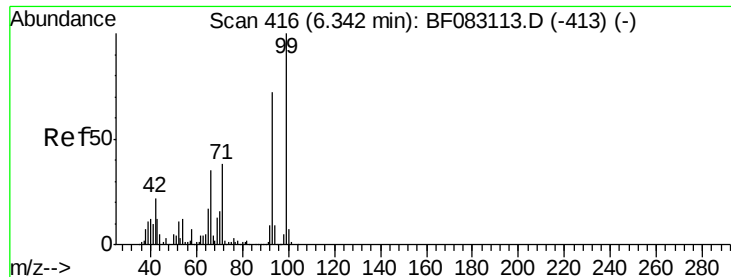
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Time-->





#7

Phenol-d6

Concen: 92.12 ng

RT: 6.31 min Scan# 378

Delta R.T. -0.03 min

Lab File: BF083219.D

Acq: 23 Nov 2015 22:37

Tot Ion: 99 Resp: 1170895

Ion Ratio Lower Upper

99 100

42 22.5 17.7 26.5

71 34.5 30.2 45.4

Instrument :

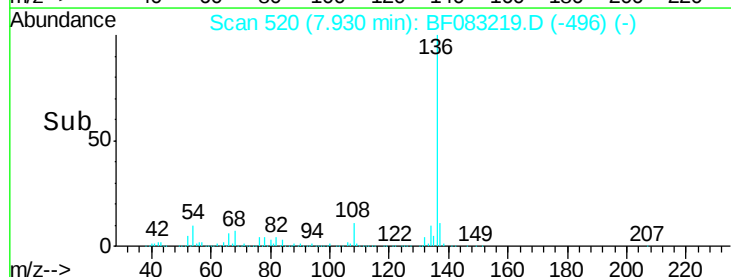
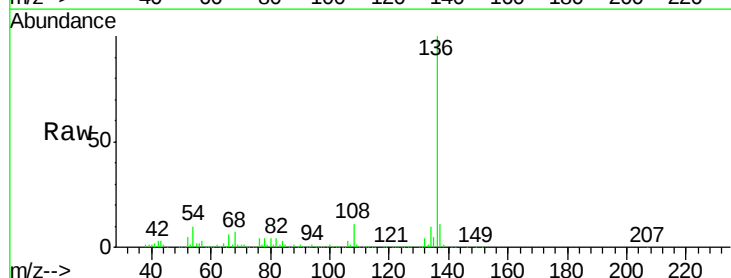
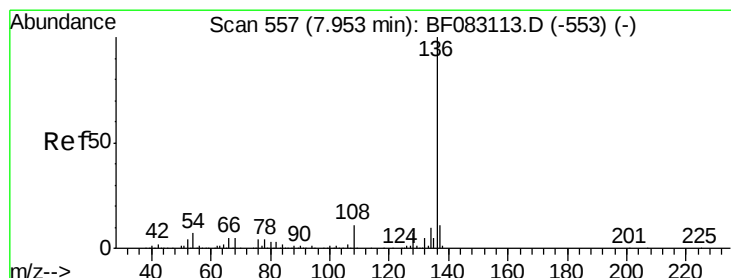
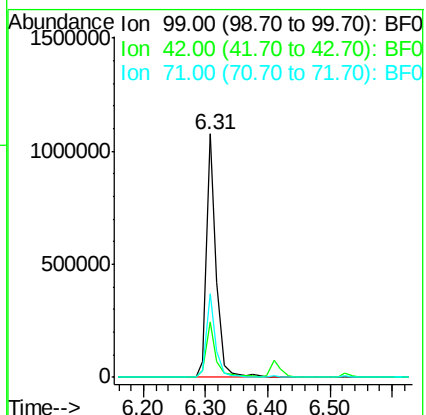
BNA_F

ClientSampleId :

WC-JCRE

Manual Integrations
APPROVED

Mmdadoda
11/24/2015 1:20:06 PM



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.93 min Scan# 520

Delta R.T. -0.02 min

Lab File: BF083219.D

Acq: 23 Nov 2015 22:37

Tgt Ion: 136 Resp: 523011

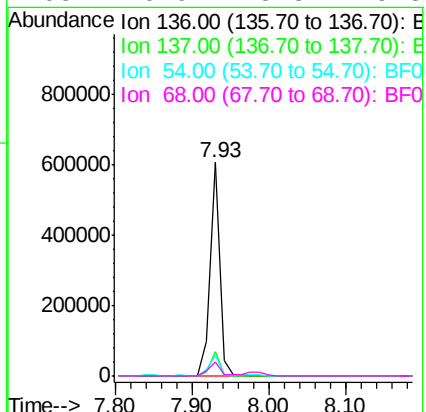
Ion Ratio Lower Upper

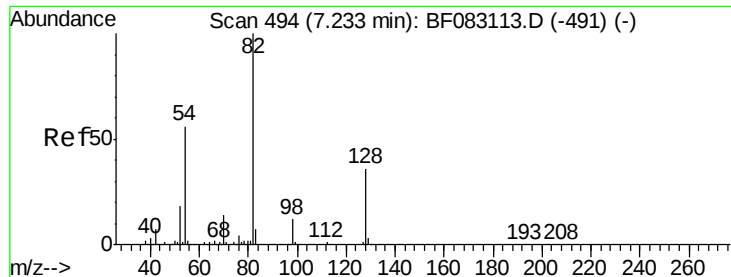
136 100

137 11.2 8.7 13.1

54 9.7 5.8 8.6#

68 6.9 3.8 5.8#





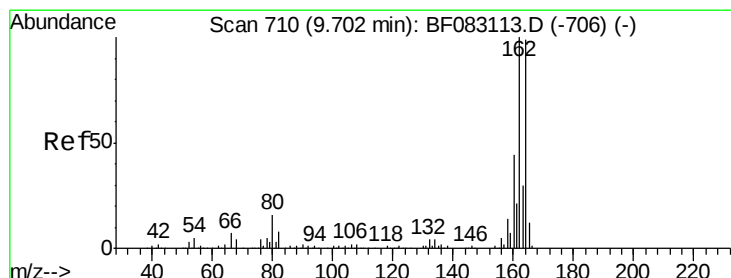
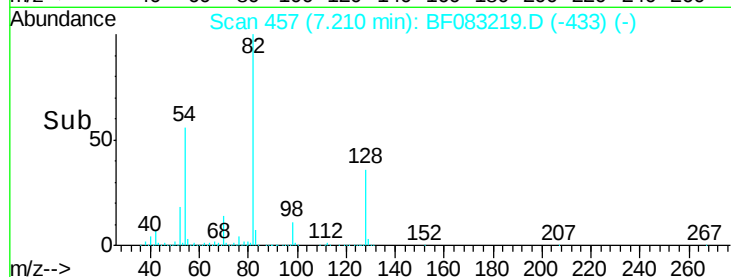
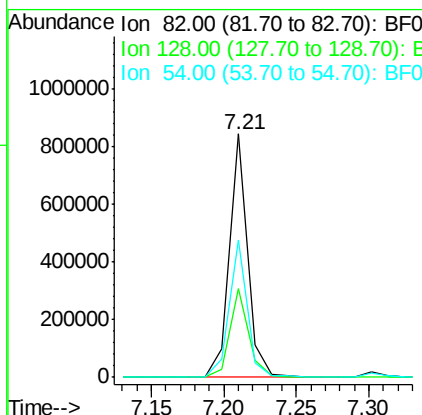
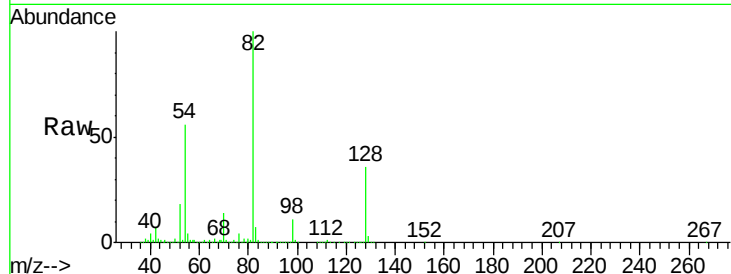
#23
Nitrobenzene-d5
Concen: 64.68 ng
RT: 7.21 min Scan# 457
Delta R.T. -0.02 min
Lab File: BF083219.D
Acq: 23 Nov 2015 22:37

Instrument :
BNA_F
ClientSampleId :
WC-JCRE

Tot Ion	Ratio	Lower	Upper
82	100		
128	36.3	28.5	42.7
54	56.4	44.6	67.0

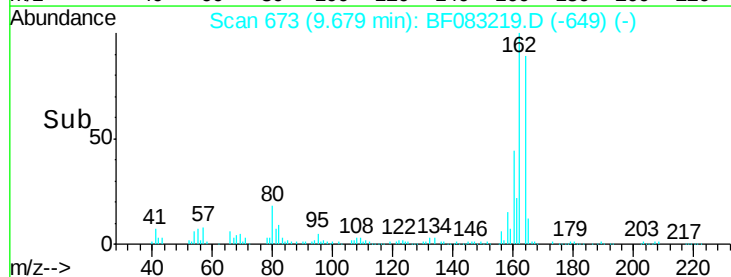
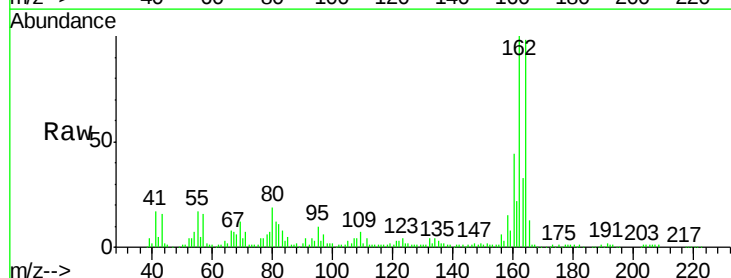
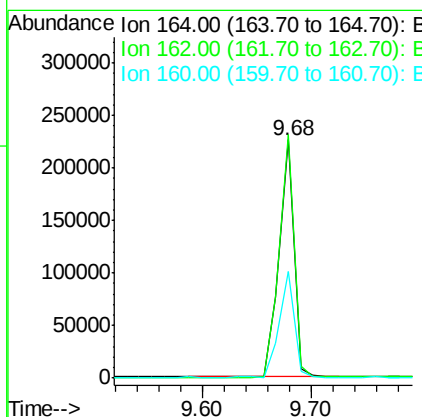
Manual Integrations
APPROVED

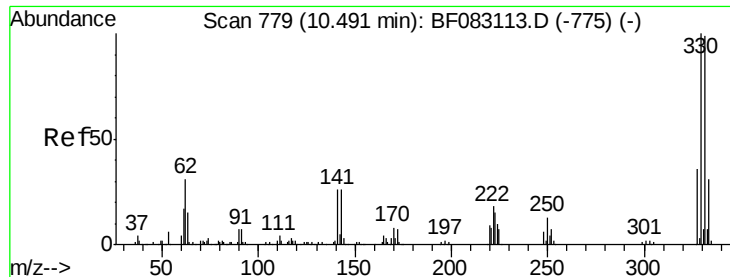
Mmdadoda
11/24/2015 1:20:06 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.68 min Scan# 673
Delta R.T. -0.02 min
Lab File: BF083219.D
Acq: 23 Nov 2015 22:37

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.3	81.2	121.8
160	44.9	35.6	53.4





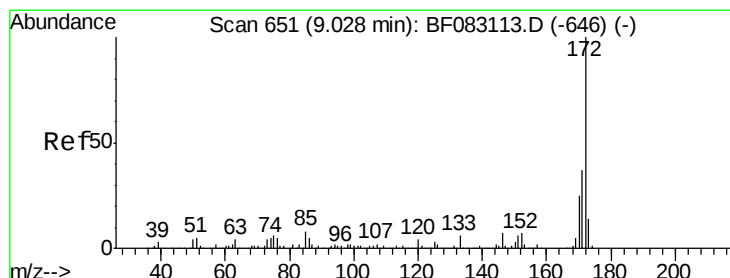
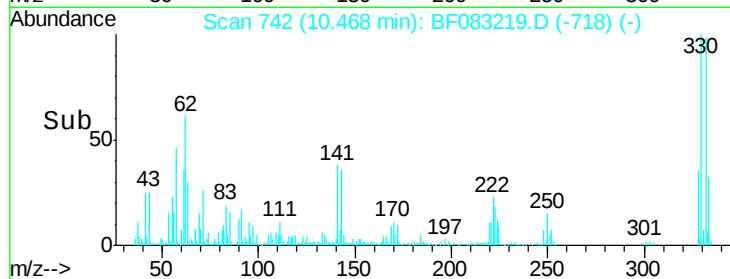
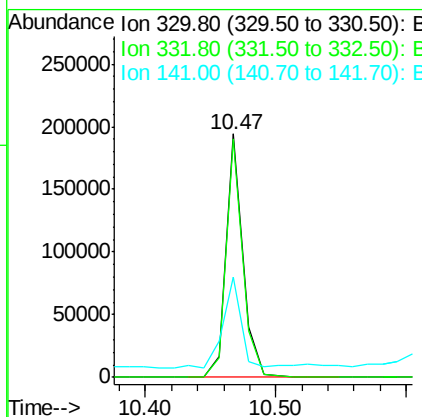
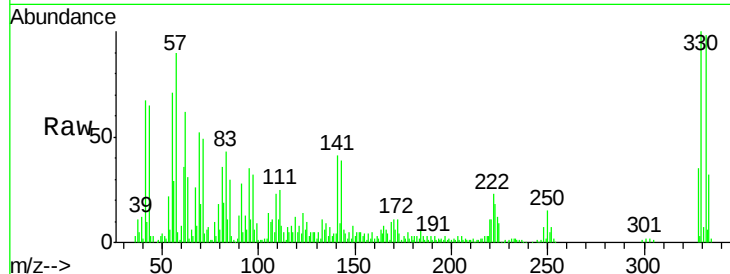
#41
 2,4,6-Tribromophenol
 Concen: 79.63 ng
 RT: 10.47 min Scan# 742
 Delta R.T. -0.02 min
 Lab File: BF083219.D
 Acq: 23 Nov 2015 22:37

Instrument :
 BNA_F
 ClientSampleId :
 WC-JCRE

Tot Ion	Ratio	Resp	Lower	Upper
330	100	175140		
332	97.0		77.7	116.5
141	43.9		29.7	44.5

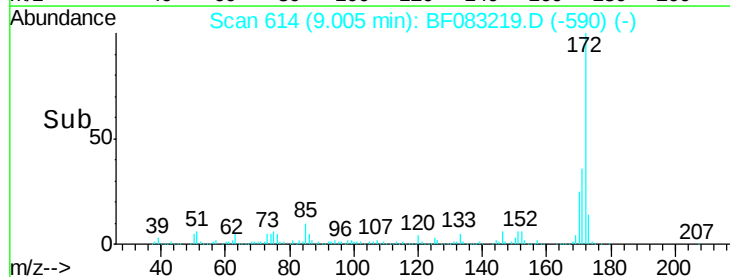
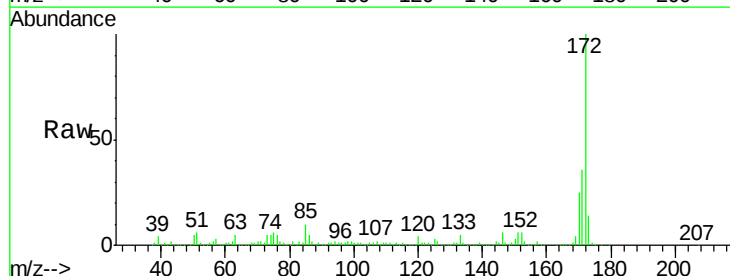
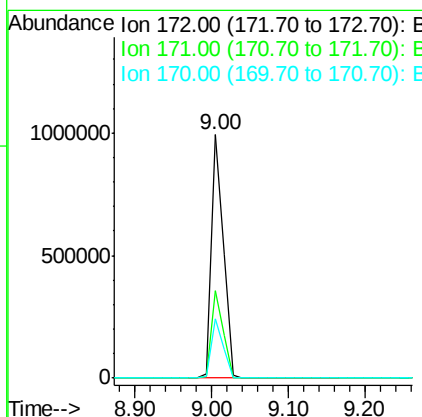
Manual Integrations
 APPROVED

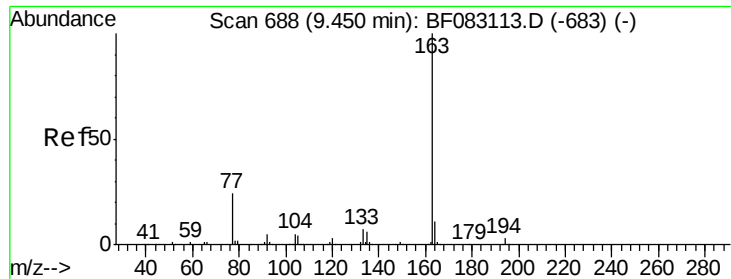
Mmdadoda
 11/24/2015 1:20:06 PM



#44
 2-Fluorobiphenyl
 Concen: 68.57 ng
 RT: 9.00 min Scan# 614
 Delta R.T. -0.02 min
 Lab File: BF083219.D
 Acq: 23 Nov 2015 22:37

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1057268		
171	36.1		29.5	44.3
170	24.6		19.9	29.9





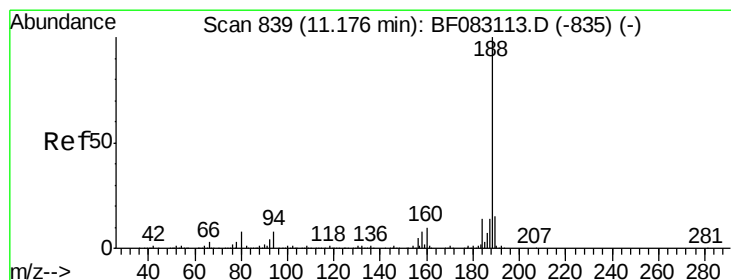
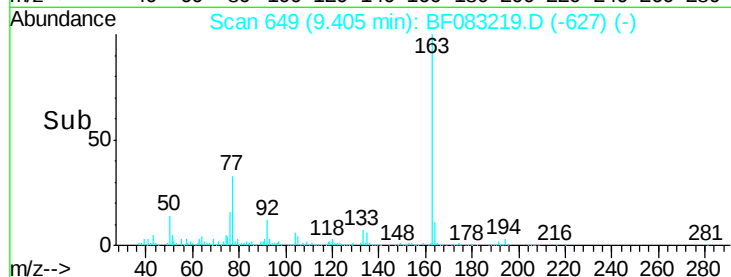
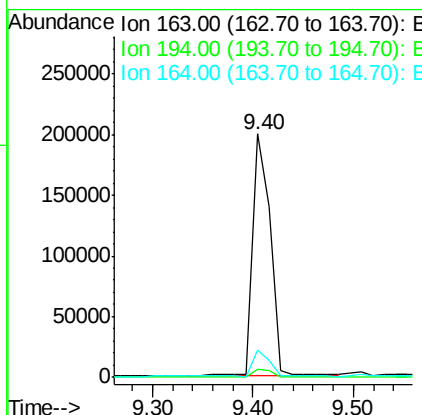
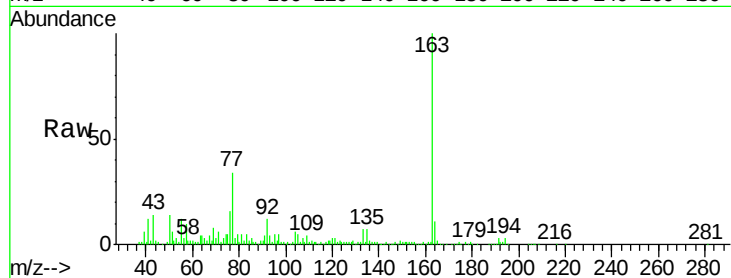
#49
Dimethylphthalate
Concen: 14.57 ng
RT: 9.40 min Scan# 649
Delta R.T. -0.05 min
Lab File: BF083219.D
Acq: 23 Nov 2015 22:37

Instrument :
BNA_F
ClientSampleId :
WC-JCRE

Tot Ion	Ratio	Resp	Lower	Upper
163	100	241237		
194	3.1	2.6	4.0	
164	11.0	8.6	12.8	

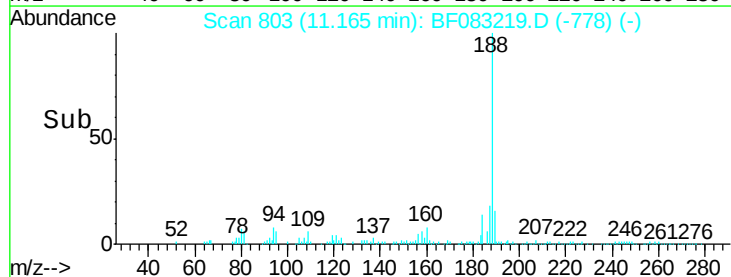
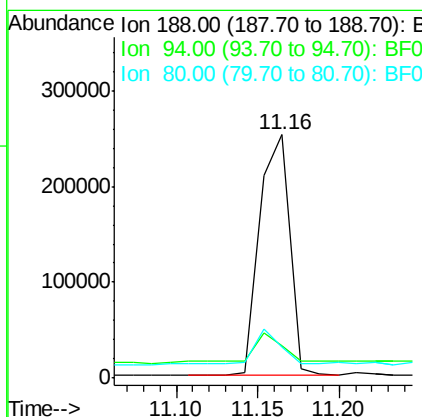
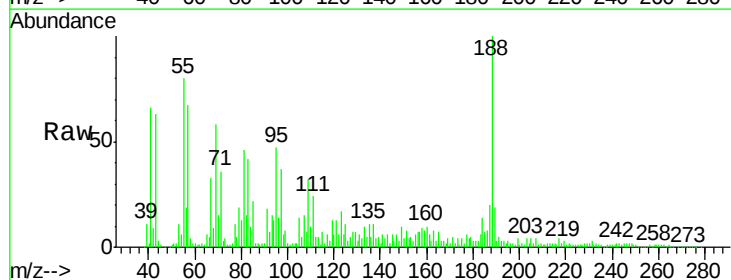
Manual Integrations
APPROVED

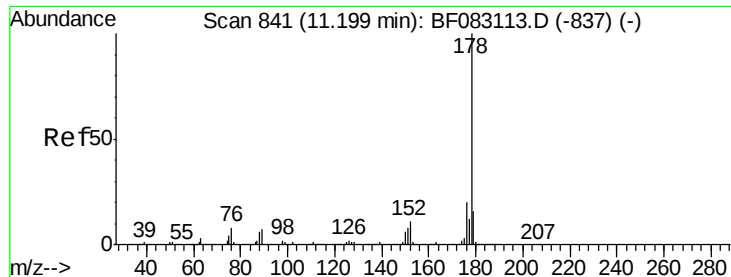
Mmdadoda
11/24/2015 1:20:06 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.16 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF083219.D
Acq: 23 Nov 2015 22:37

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	323812		
94	13.2	6.0	9.0#	
80	12.6	6.7	10.1#	





#70

Phenanthrene

Concen: 8.65 ng

RT: 11.19 min Scan# 805

Delta R.T. -0.01 min

Lab File: BF083219.D

Acq: 23 Nov 2015 22:37

Instrument :

BNA_F

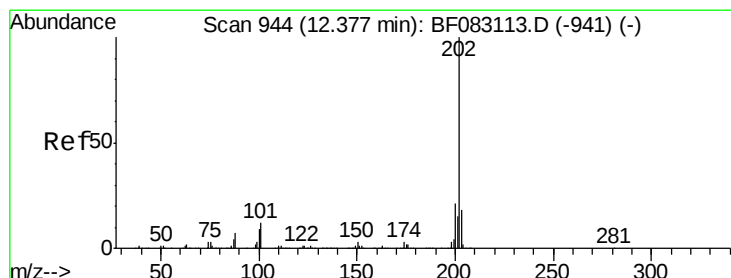
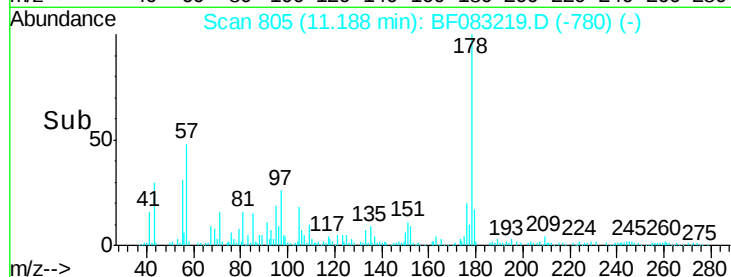
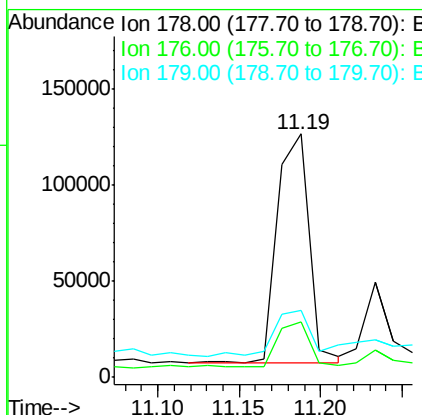
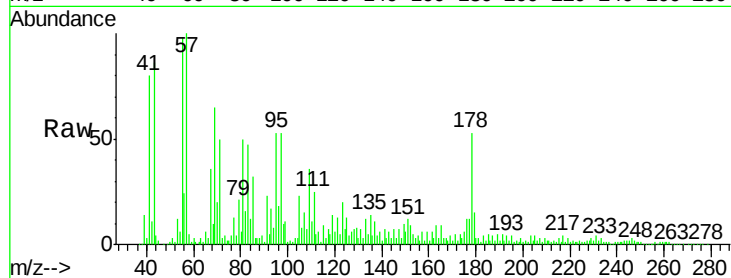
ClientSampleId :

WC-JCRE

Tot Ion:	178	Resp:	161406
Ion Ratio	Lower	Upper	
178	100		
176	22.7	16.2	24.2
179	27.4	12.8	19.2#

Manual Integrations
APPROVED

Mmdadoda
11/24/2015 1:20:06 PM



#74

Fluoranthene

Concen: 10.73 ng

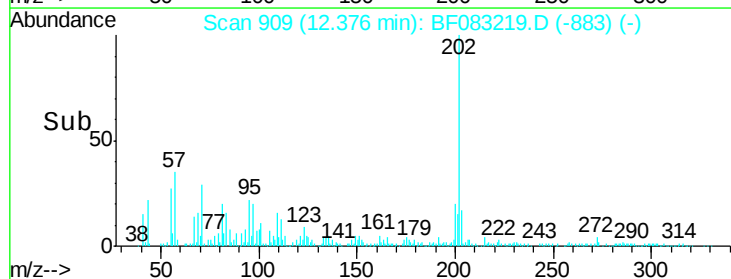
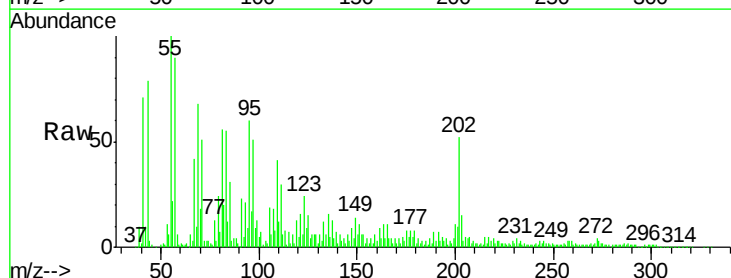
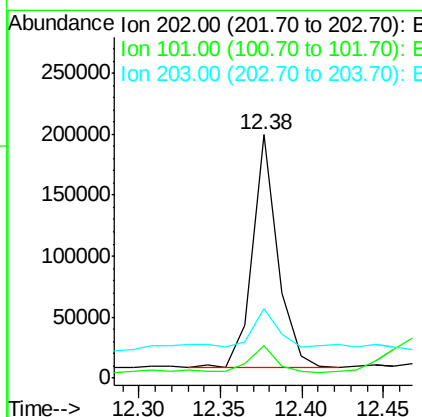
RT: 12.38 min Scan# 909

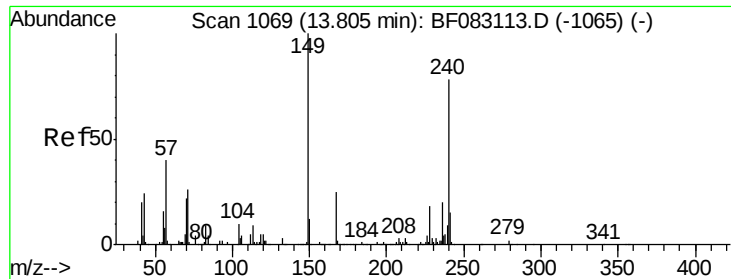
Delta R.T. -0.00 min

Lab File: BF083219.D

Acq: 23 Nov 2015 22:37

Tgt Ion:	202	Resp:	204938
Ion Ratio	Lower	Upper	
202	100		
101	13.2	0.0	32.3
203	28.7	0.0	38.4





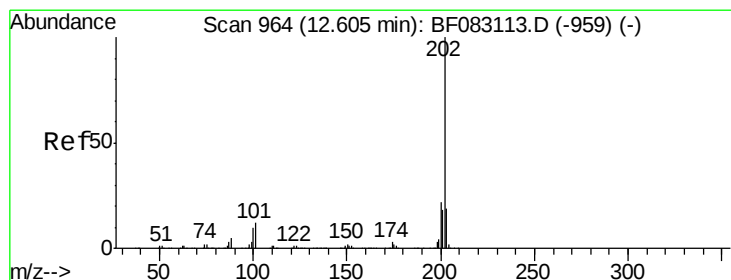
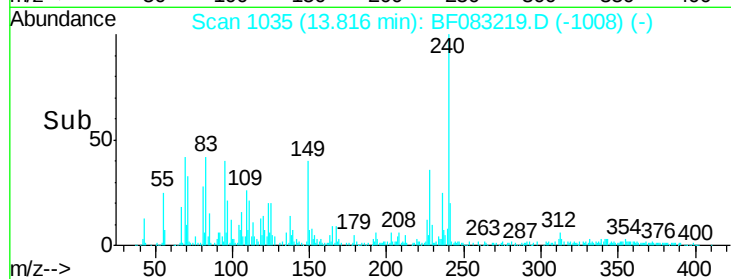
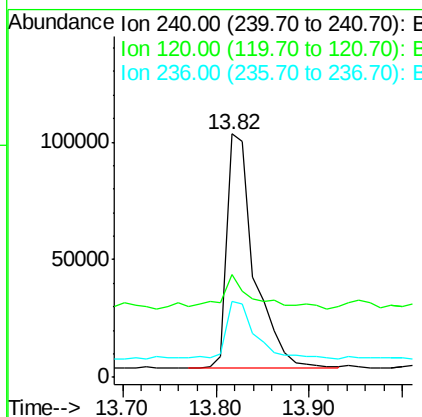
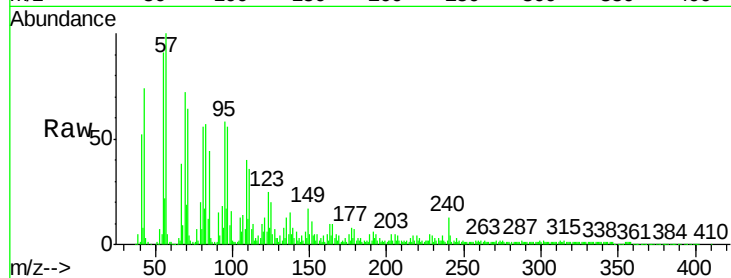
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.82 min Scan# 1035
Delta R.T. 0.01 min
Lab File: BF083219.D
Acq: 23 Nov 2015 22:37

Instrument :
BNA_F
ClientSampleId :
WC-JCRE

Tot Ion	Ratio	Lower	Upper
240	100		
120	42.3	5.4	8.2#
236	31.2	20.6	31.0#

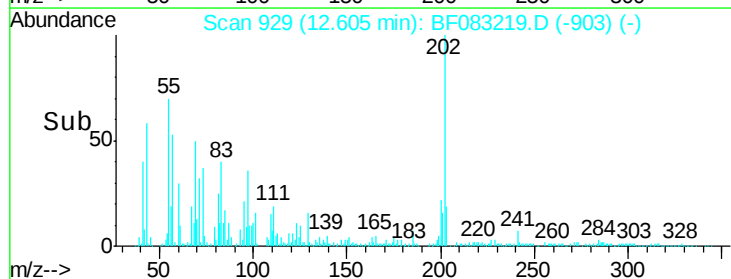
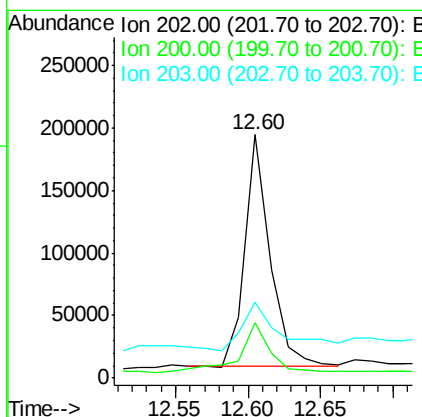
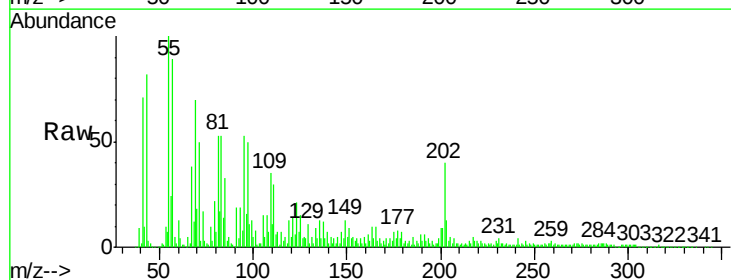
Manual Integrations
APPROVED

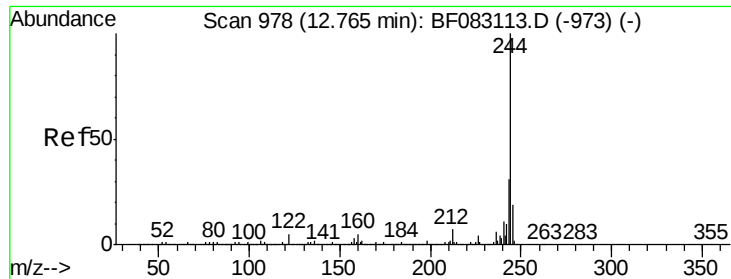
Mmdadoda
11/24/2015 1:20:06 PM



#77
Pyrene
Concen: 16.08 ng
RT: 12.60 min Scan# 929
Delta R.T. -0.00 min
Lab File: BF083219.D
Acq: 23 Nov 2015 22:37

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.9	17.8	26.6
203	31.2	15.0	22.4#





#78

Terphenyl-d14

Concen: 83.44 ng

RT: 12.76 min Scan# 943

Delta R.T. -0.00 min

Lab File: BF083219.D

Acq: 23 Nov 2015 22:37

Instrument :

BNA_F

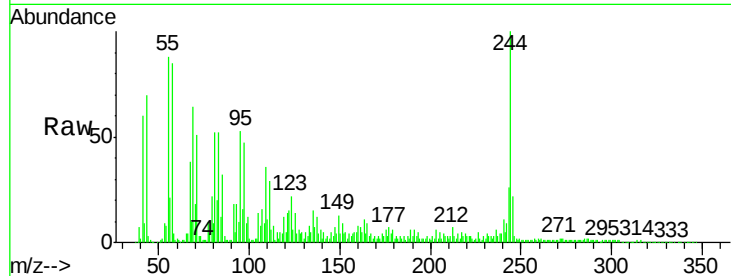
ClientSampleId :

WC-JCRE

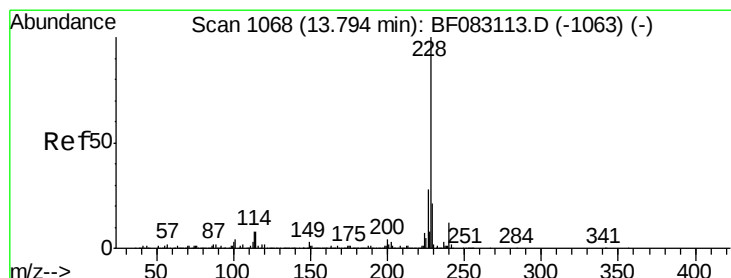
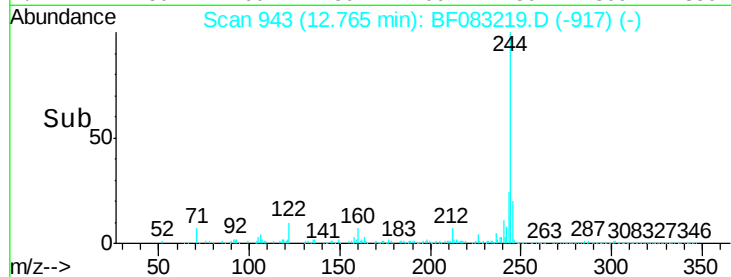
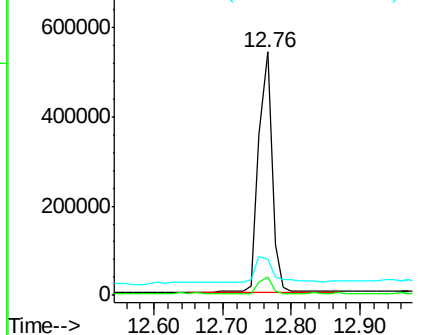
Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.4	8.2
122	15.2	4.3	6.5#

Manual Integrations
APPROVED

Mmdadoda
11/24/2015 1:20:06 PM



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 4.28 ng m

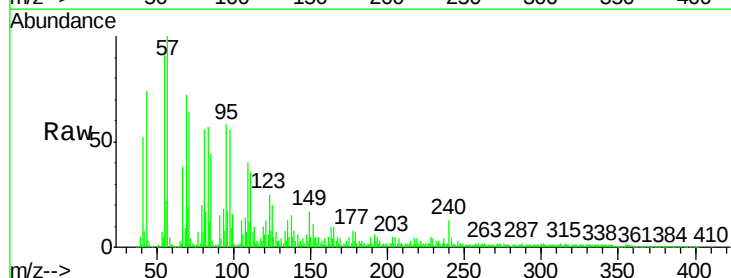
RT: 13.82 min Scan# 1035

Delta R.T. 0.02 min

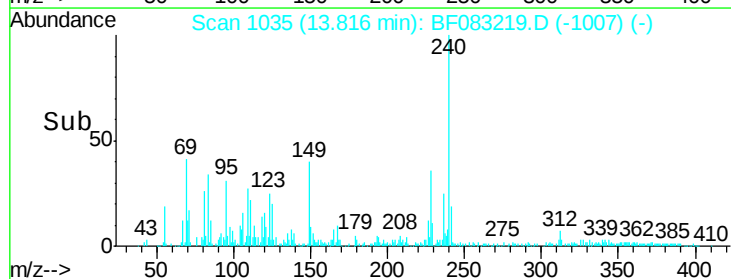
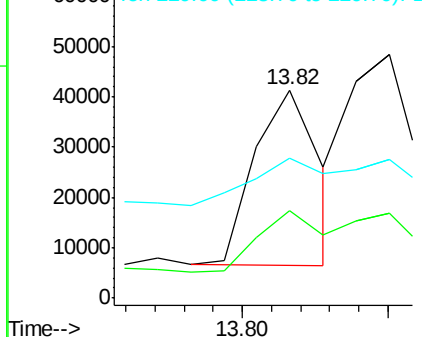
Lab File: BF083219.D

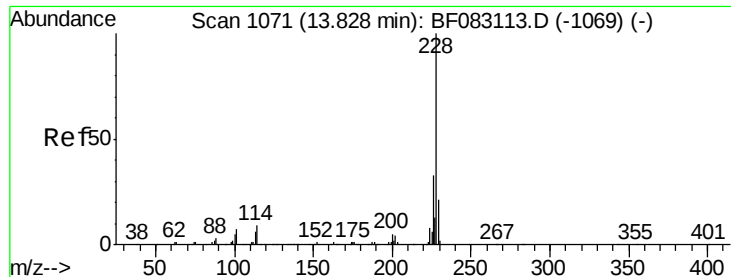
Acq: 23 Nov 2015 22:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	41.8	22.6	33.8#
229	67.5	16.6	24.8#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 7.19 ng/mL

RT: 13.85 min Scan# 1038

Delta R.T. 0.02 min

Lab File: BF083219.D

Acq: 23 Nov 2015 22:37

Instrument :

BNA_F

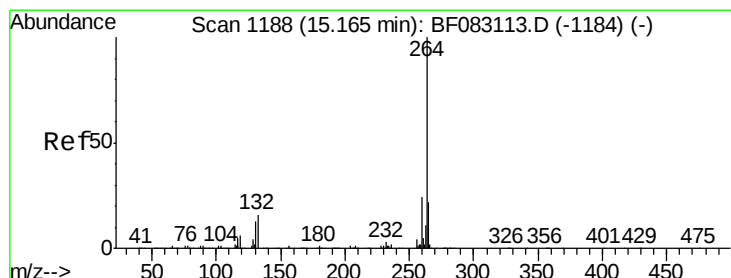
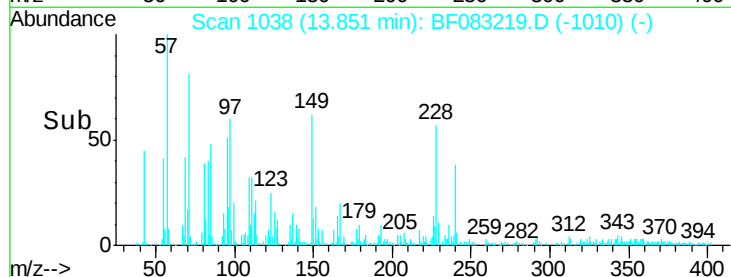
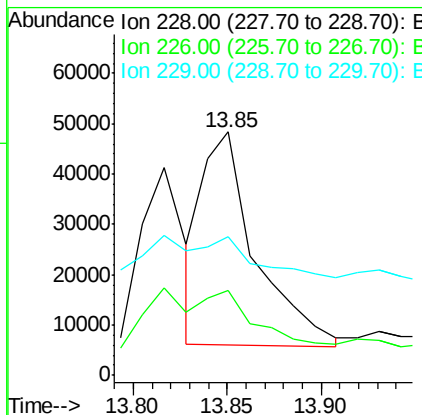
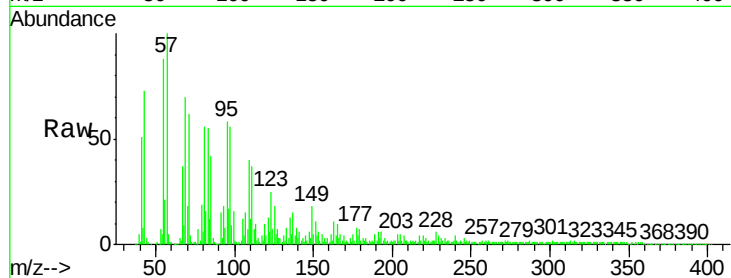
ClientSampleID :

WC-JCRE

Tot Ion:	228	Resp:	84070
Ion Ratio	Lower	Upper	
228	100		
226	34.7	25.5	38.3
229	57.0	16.6	25.0

Manual Integrations
APPROVED

Mmdadoda
11/24/2015 1:20:06 PM



#86

Perylene-d12

Concen: 20.00 ng/mL

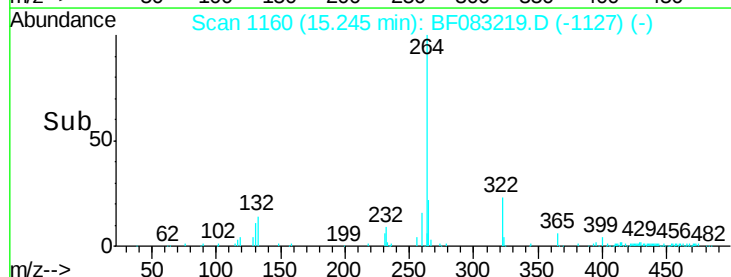
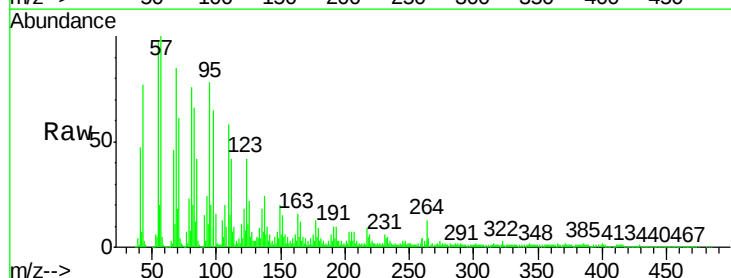
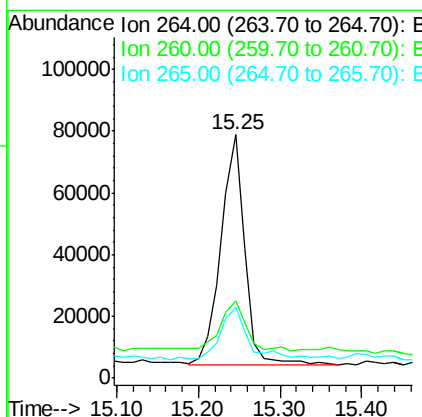
RT: 15.25 min Scan# 1160

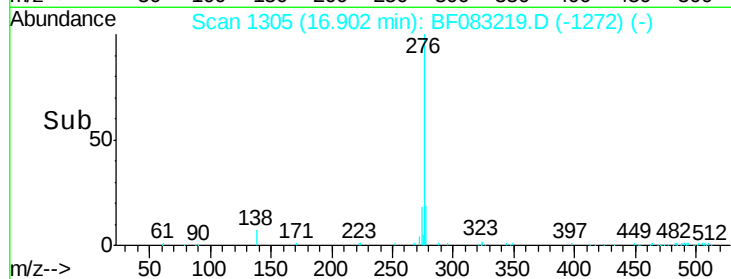
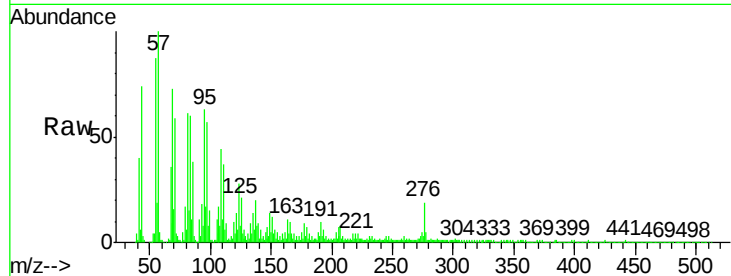
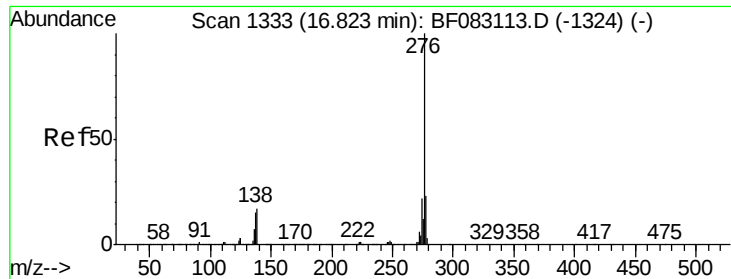
Delta R.T. 0.08 min

Lab File: BF083219.D

Acq: 23 Nov 2015 22:37

Tgt Ion:	264	Resp:	152432
Ion Ratio	Lower	Upper	
264	100		
260	31.9	19.1	28.7
265	29.2	18.2	27.4





#91

Benzo(a,h,i)perylene

Concen: 15.51 ng

RT: 16.90 min Scan# 1305

Delta R.T. 0.08 min

Lab File: BF083219.D

Acq: 23 Nov 2015 22:37

Instrument :

BNA_F

ClientSampleId :

WC-JCRE

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.4	18.7	28.1#
138	41.1	13.9	20.9#

Manual Integrations
APPROVED

Mmdadoda
11/24/2015 1:20:06 PM

