

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112515\
 Data File : BF083289.D
 Acq On : 25 Nov 2015 22:48
 Operator : UM/IZ
 Sample : G4567-05 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE-GRAB1

Manual Integrations
 APPROVED

mmdadoda
 11/26/2015 6:43:43 PM

Quant Time: Nov 26 04:35:07 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	6.58	152	139130m	20.00	ng	-0.08
21) Naphthalene-d8	7.87	136	495193	20.00	ng	-0.08
38) Acenaphthene-d10	9.62	164	204142	20.00	ng	-0.08
63) Phenanthrene-d10	11.12	188	296972	20.00	ng	-0.06
75) Chrysene-d12	13.81	240	235396	20.00	ng	0.00
86) Perylene-d12	15.17	264	234897	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.18	112	89646	9.74	ng	-0.10
7) Phenol-d6	6.25	99	138296	11.61	ng	-0.09
23) Nitrobenzene-d5	7.15	82	74807	6.90	ng	-0.08
41) 2,4,6-Tribromophenol	10.42	330	16293	7.80	ng	-0.07
44) 2-Fluorobiphenyl	8.96	172	105128	7.18	ng	-0.07
78) Terphenyl-d14	12.75	244	55228	5.52	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	7.90	128	95725	3.58	ng	99
37) 2-Methylnaphthalene	8.59	142	49053	2.83	ng	92
48) Acenaphthylene	9.48	152	153202	7.24	ng	95
51) Acenaphthene	9.66	154	52031	4.04	ng	97
70) Phenanthrene	11.14	178	479195	28.01	ng	# 92
71) Anthracene	11.20	178	73005	4.18	ng	# 57
77) Pyrene	12.61	202	289081	17.98	ng	# 70
80) Benzo(a)anthracene	13.79	228	75751m	5.20	ng	
82) Chrysene	13.83	228	132853m	9.84	ng	

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

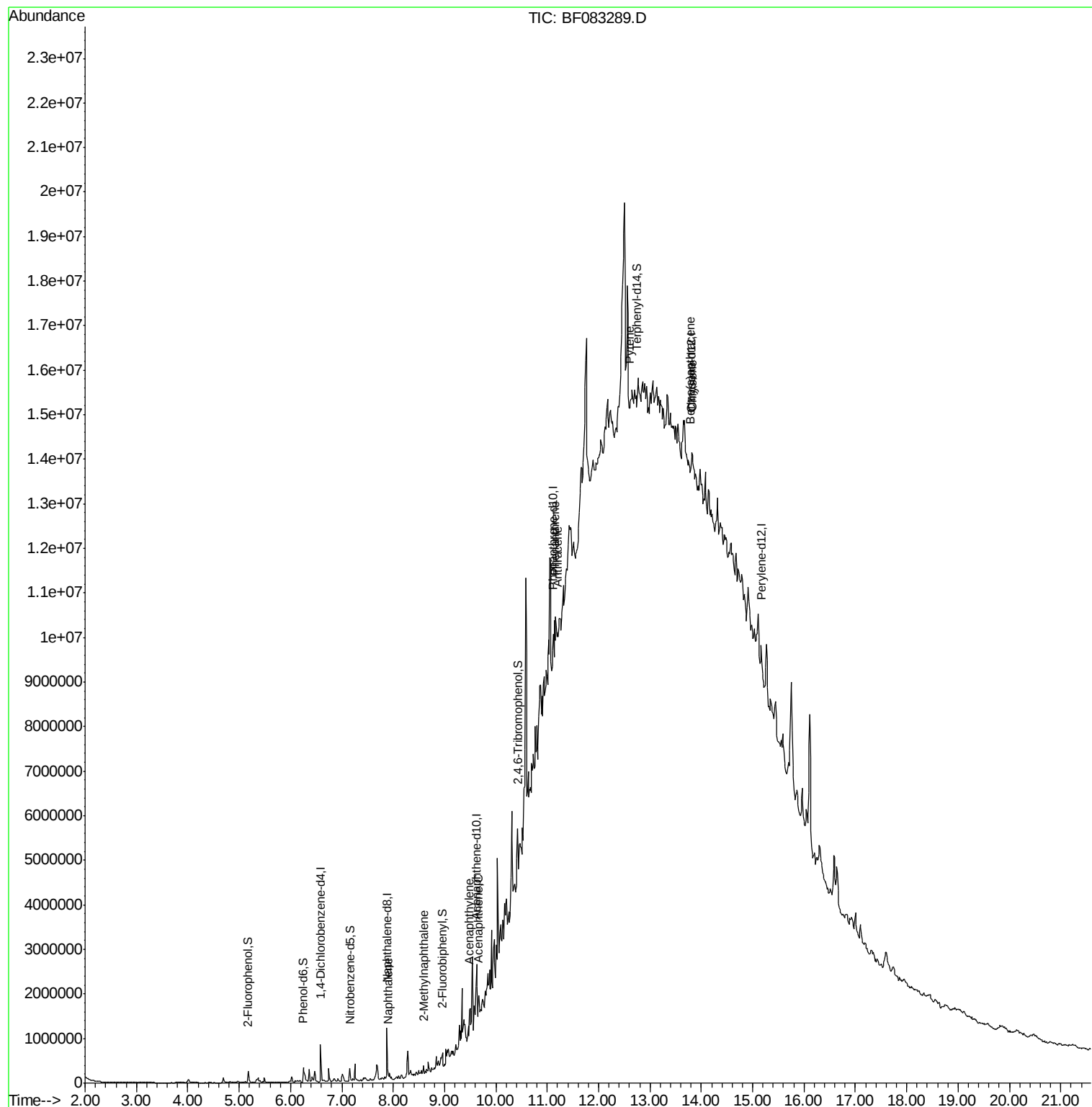
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112515\
Data File : BF083289.D
Acq On : 25 Nov 2015 22:48
Operator : UM/IZ
Sample : G4567-05 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

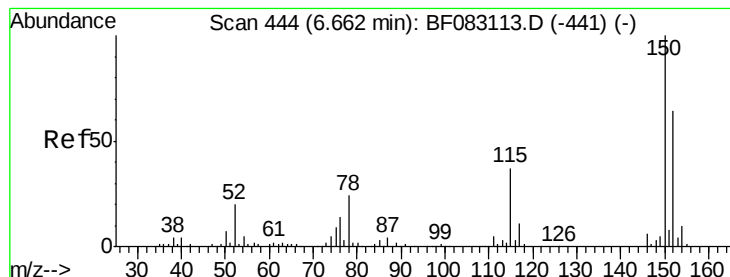
Instrument :
BNA_F
ClientSampleId :
STOCKPILE-GRAB1

Manual Integrations
APPROVED

mmdadoda
11/26/2015 6:43:43 PM

Quant Time: Nov 26 04:35:07 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





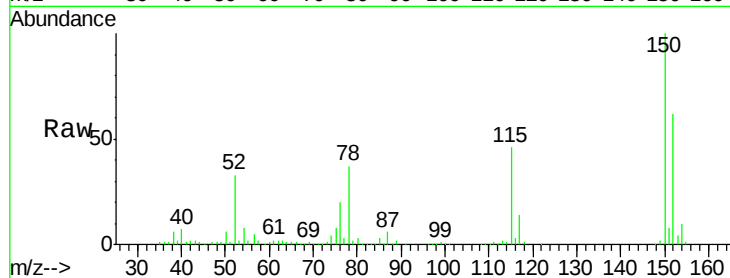
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng/ml
 RT: 6.58 min Scan# 402
 Delta R.T. -0.08 min
 Lab File: BF083289.D
 Acq: 25 Nov 2015 22:48

Instrument :
 BNA_F
 ClientSampleID :
 STOCKPILE-GRAB1

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	125.8	188.8
115	74.4	46.9	70.3

Manual Integrations
 APPROVED

mmdadoda
 11/26/2015 6:43:43 PM

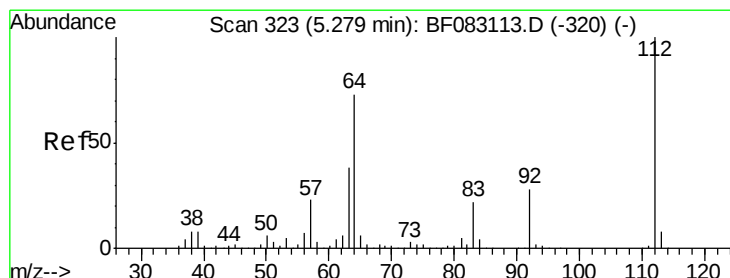
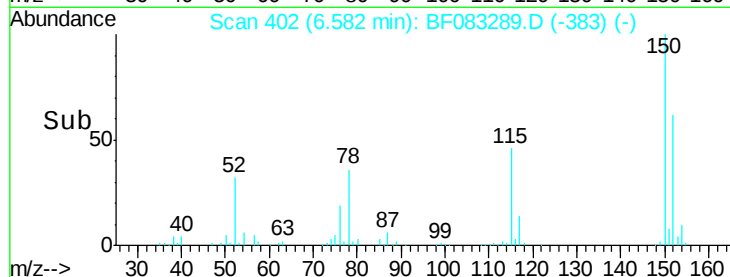
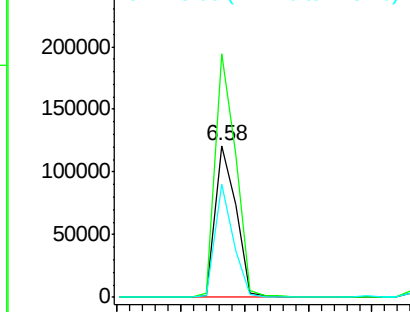


Abundance

Ion 152.00 (151.70 to 152.70): E

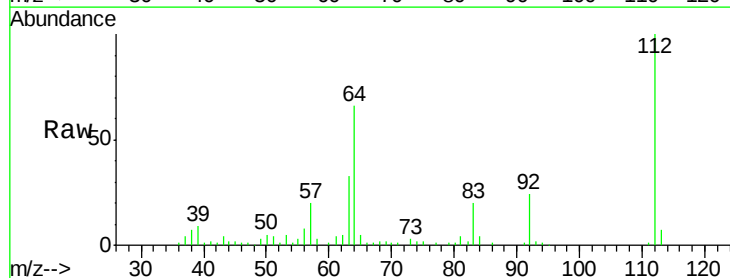
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 9.74 ng
 RT: 5.18 min Scan# 279
 Delta R.T. -0.10 min
 Lab File: BF083289.D
 Acq: 25 Nov 2015 22:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.0	58.4	87.6
63	32.6	30.0	45.0

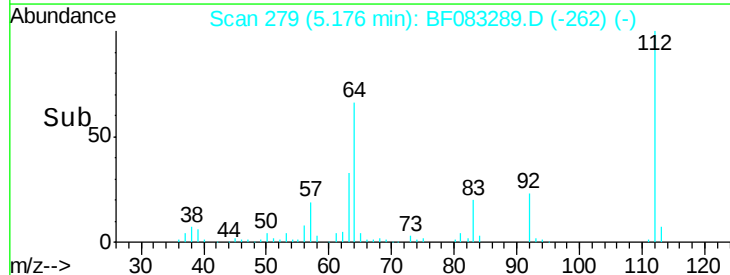
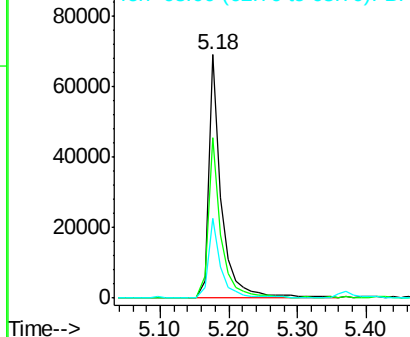


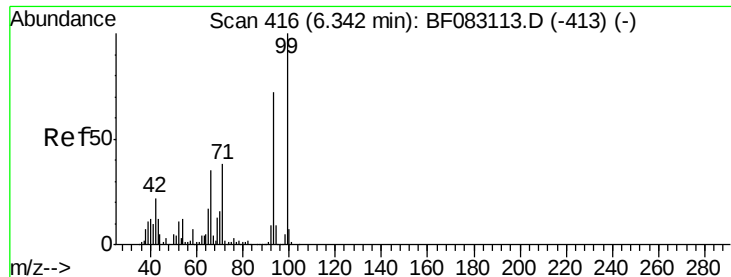
Abundance

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





#7

Phenol-d6

Concen: 11.61 ng

RT: 6.25 min Scan# 373

Delta R.T. -0.09 min

Lab File: BF083289.D

Acq: 25 Nov 2015 22:48

Instrument :

BNA_F

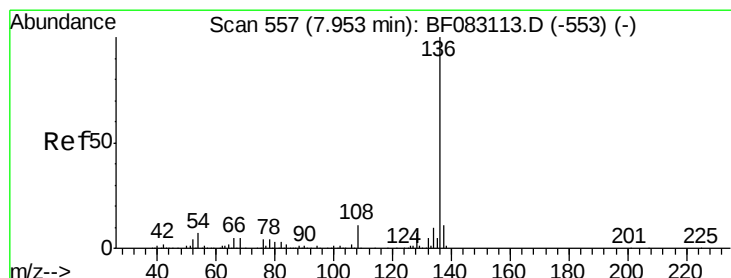
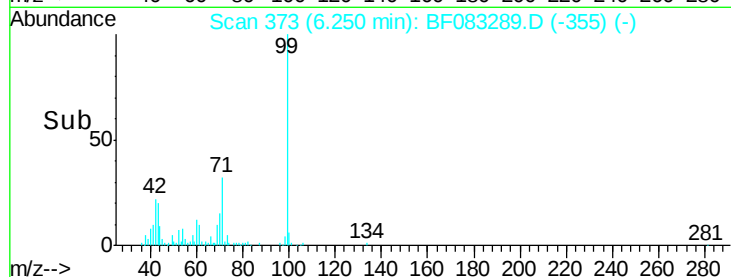
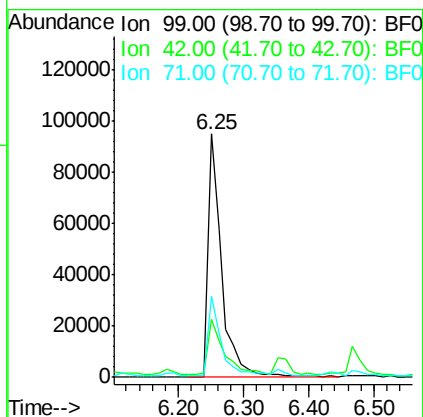
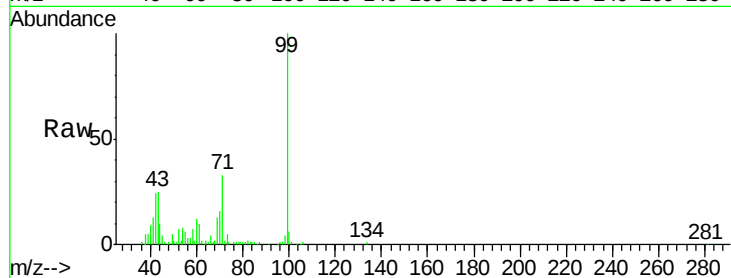
ClientSampleId :

STOCKPILE-GRAB1

Tot Ion:	99	Resp:	138296
Ion Ratio	Lower	Upper	
99	100		
42	24.1	17.7	26.5
71	33.1	30.2	45.4

Manual Integrations
APPROVED

mmdadoda
11/26/2015 6:43:43 PM



#21

Naphthalene-d8

Concen: 20.00 ng

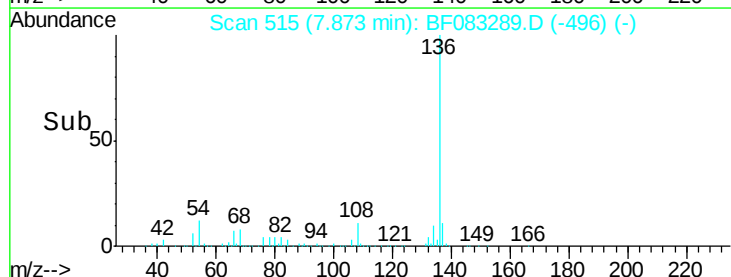
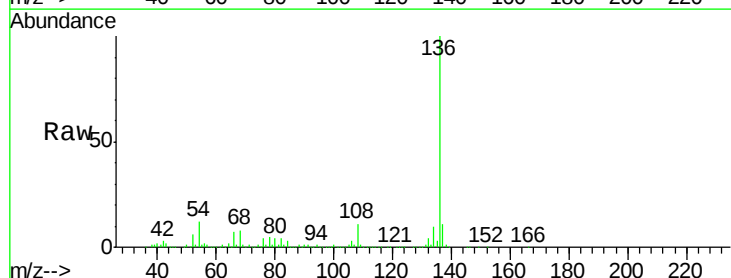
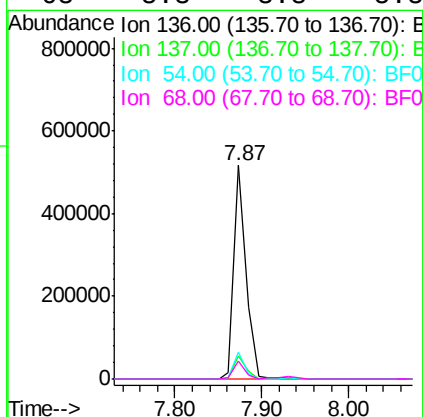
RT: 7.87 min Scan# 515

Delta R.T. -0.08 min

Lab File: BF083289.D

Acq: 25 Nov 2015 22:48

Tgt Ion:	136	Resp:	495193
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.7	13.1
54	12.3	5.8	8.6#
68	8.3	3.8	5.8#





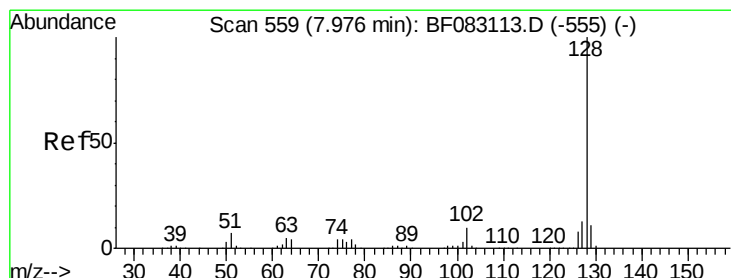
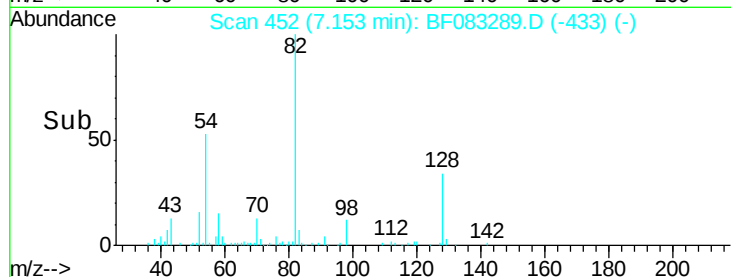
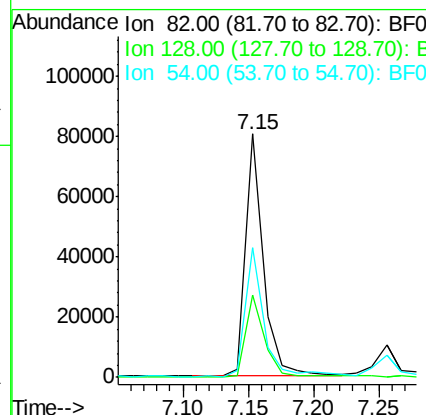
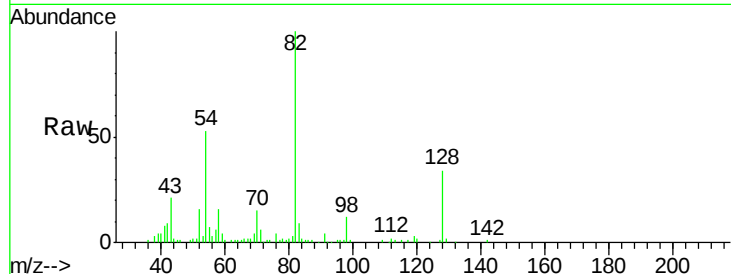
#23
 Nitrobenzene-d5
 Concen: 6.90 ng
 RT: 7.15 min Scan# 452
 Delta R.T. -0.08 min
 Lab File: BF083289.D
 Acq: 25 Nov 2015 22:48

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE-GRAB1

Tot Ion	82	Resp	74807
Ion Ratio	Lower	Upper	
82	100		
128	33.7	28.5	42.7
54	53.1	44.6	67.0

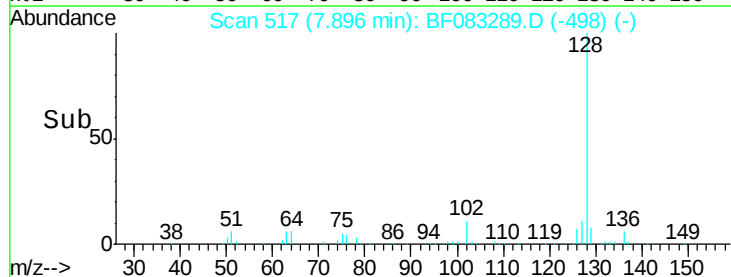
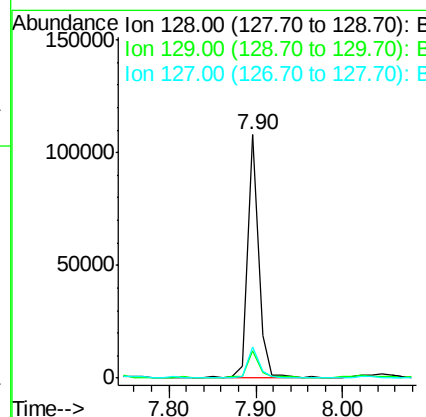
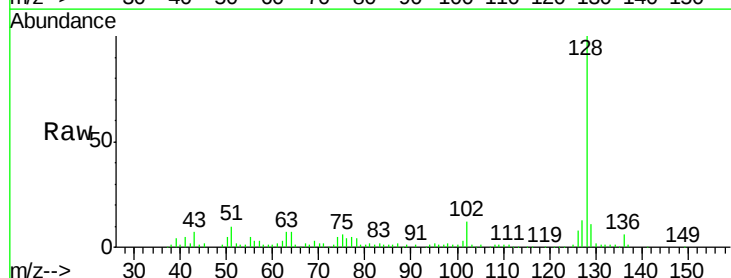
Manual Integrations
 APPROVED

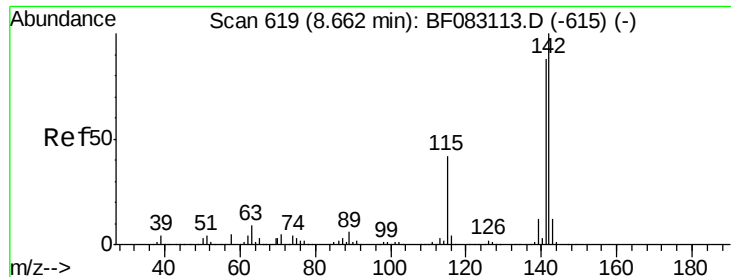
mmdadoda
 11/26/2015 6:43:43 PM



#31
 Naphthalene
 Concen: 3.58 ng
 RT: 7.90 min Scan# 517
 Delta R.T. -0.08 min
 Lab File: BF083289.D
 Acq: 25 Nov 2015 22:48

Tgt Ion	128	Resp	95725
Ion Ratio	Lower	Upper	
128	100		
129	11.0	9.0	13.4
127	12.6	10.6	15.8





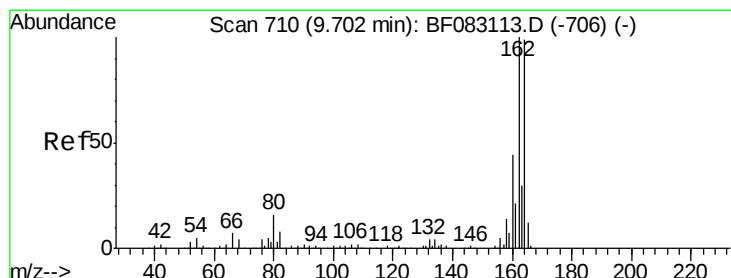
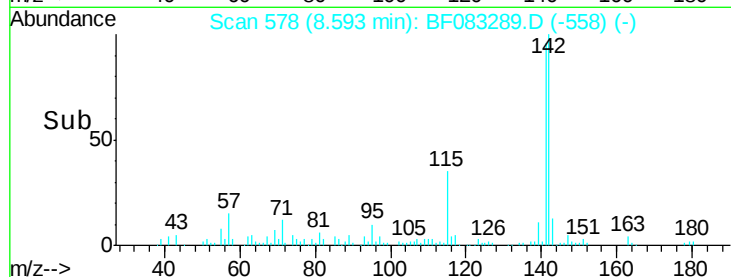
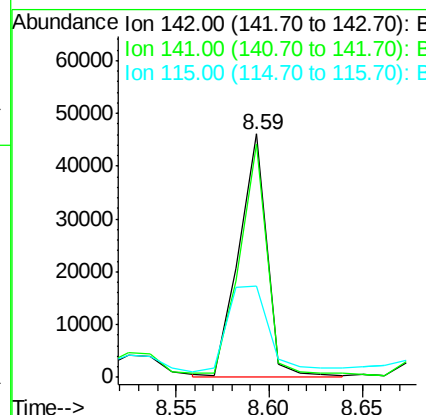
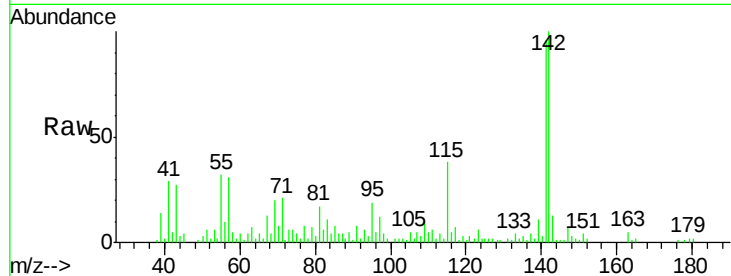
#37
2-Methylnaphthalene
Concen: 2.83 ng
RT: 8.59 min Scan# 578
Delta R.T. -0.07 min
Lab File: BF083289.D
Acq: 25 Nov 2015 22:48

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-GRAB1

Tot Ion	Ratio	Lower	Upper
142	100		
141	95.8	70.3	105.5
115	37.7	33.4	50.2

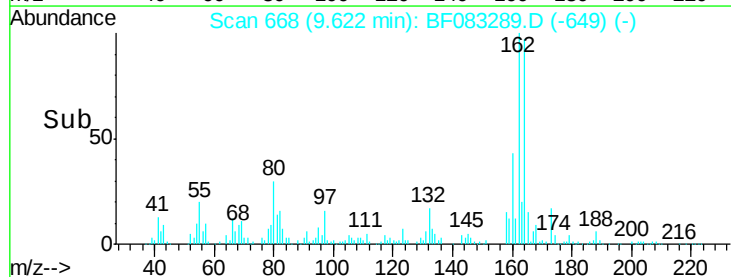
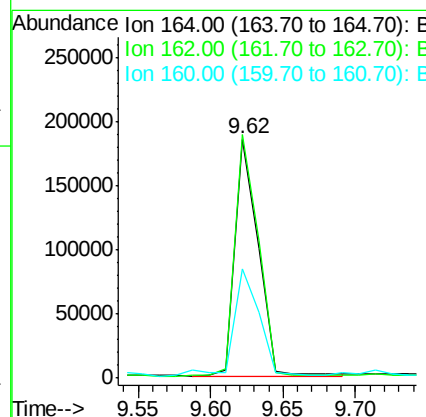
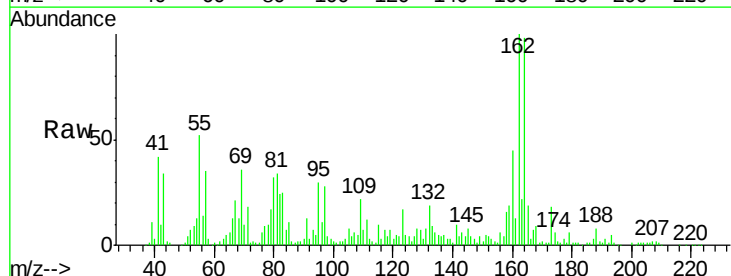
Manual Integrations
APPROVED

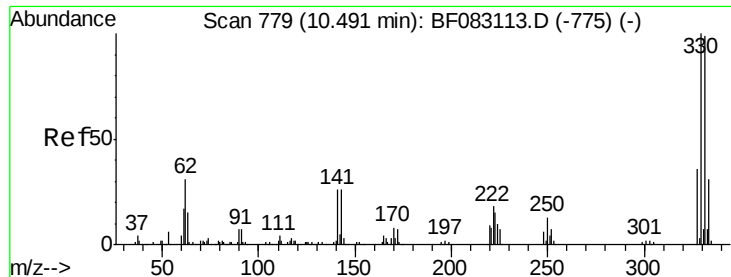
mmdadoda
11/26/2015 6:43:43 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.62 min Scan# 668
Delta R.T. -0.08 min
Lab File: BF083289.D
Acq: 25 Nov 2015 22:48

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.1	81.2	121.8
160	45.9	35.6	53.4





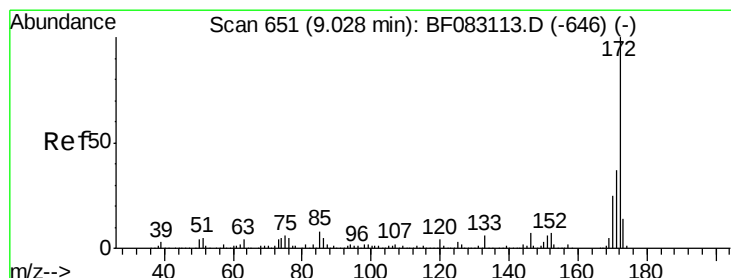
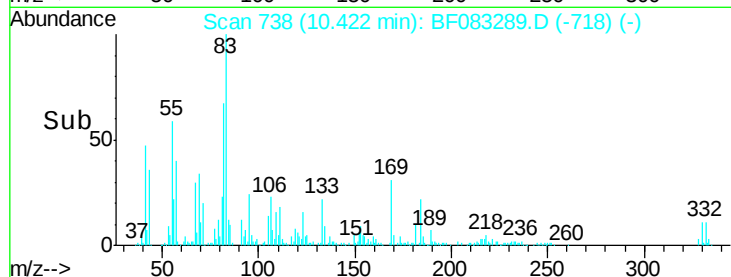
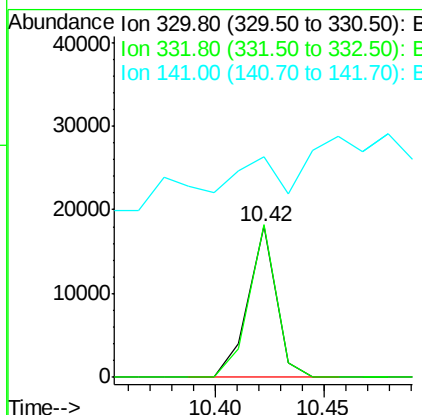
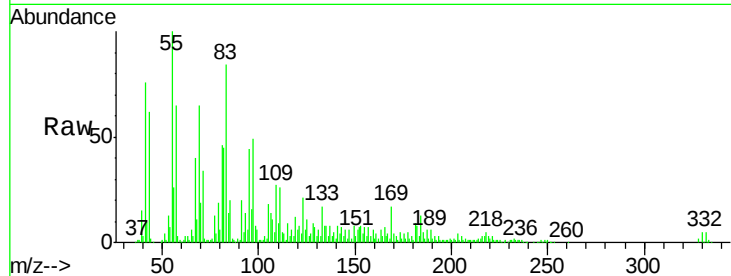
#41
 2,4,6-Tribromophenol
 Concen: 7.80 ng
 RT: 10.42 min Scan# 738
 Delta R.T. -0.07 min
 Lab File: BF083289.D
 Acq: 25 Nov 2015 22:48

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE-GRAB1

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.7	116.5
141	93.9	29.7	44.5

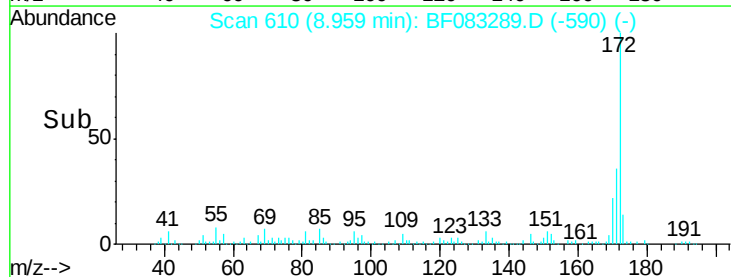
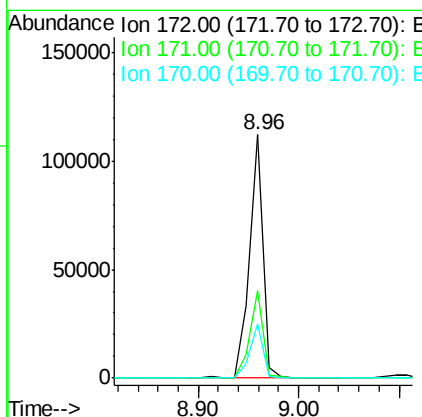
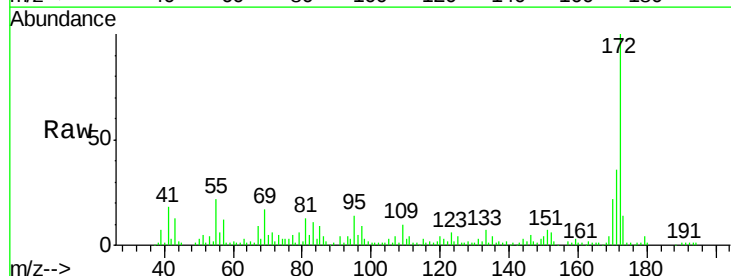
Manual Integrations
 APPROVED

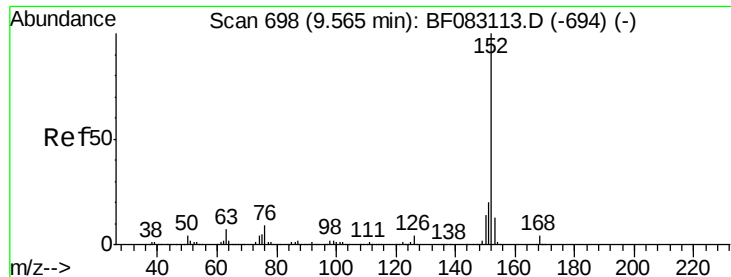
mmdadoda
 11/26/2015 6:43:43 PM



#44
 2-Fluorobiphenyl
 Concen: 7.18 ng
 RT: 8.96 min Scan# 610
 Delta R.T. -0.07 min
 Lab File: BF083289.D
 Acq: 25 Nov 2015 22:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.5	44.3
170	22.4	19.9	29.9





#48

Acenaphthylene

Concen: 7.24 ng

RT: 9.48 min Scan# 656

Delta R.T. -0.08 min

Lab File: BF083289.D

Acq: 25 Nov 2015 22:48

Instrument :

BNA_F

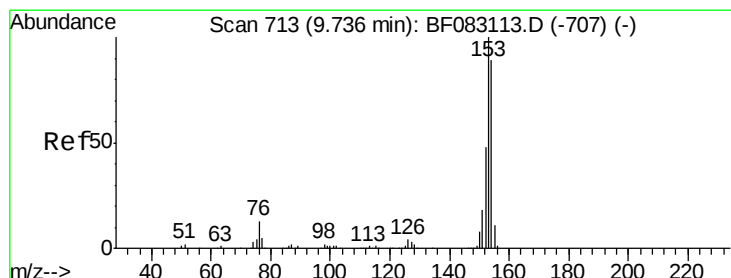
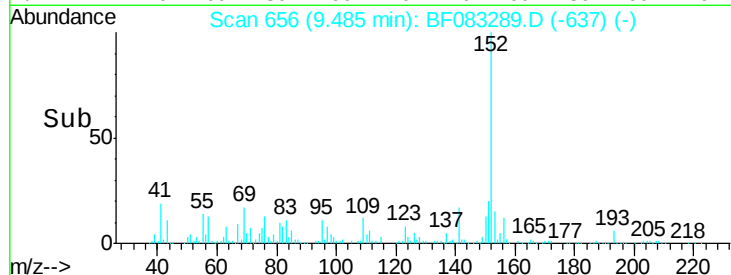
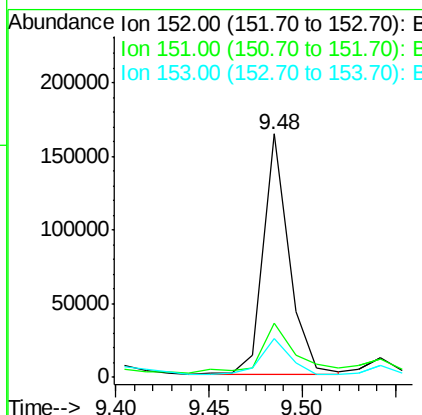
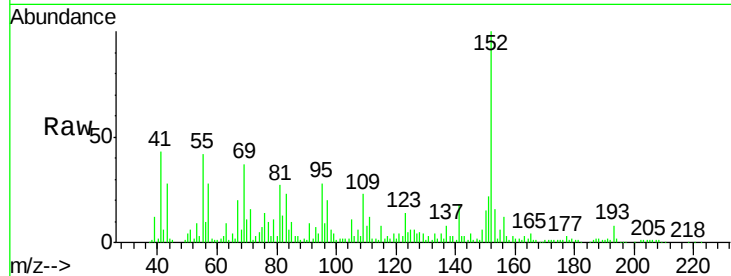
ClientSampleId :

STOCKPILE-GRAB1

Tot Ion:	152	Resp:	153202
Ion Ratio	Lower	Upper	
152	100		
151	22.1	16.3	24.5
153	16.1	10.8	16.2

Manual Integrations
APPROVED

mmdadoda
11/26/2015 6:43:43 PM



#51

Acenaphthene

Concen: 4.04 ng

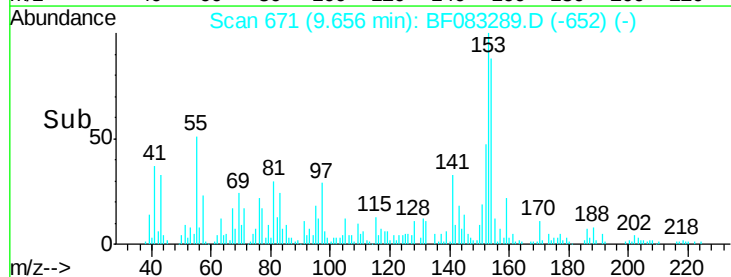
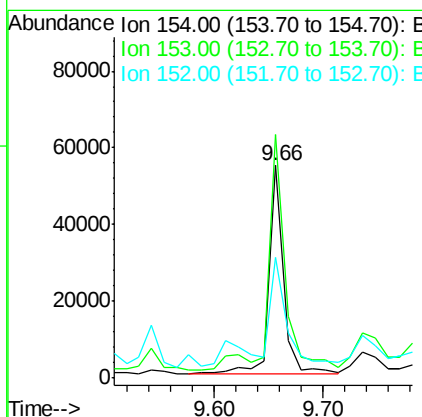
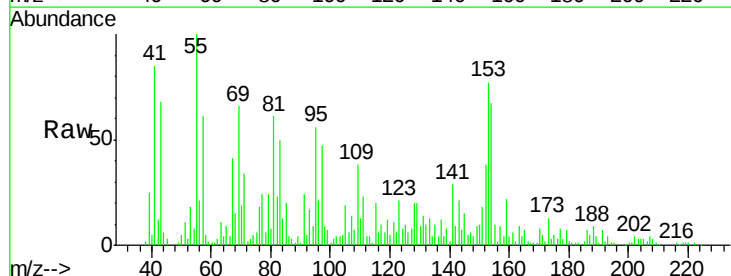
RT: 9.66 min Scan# 671

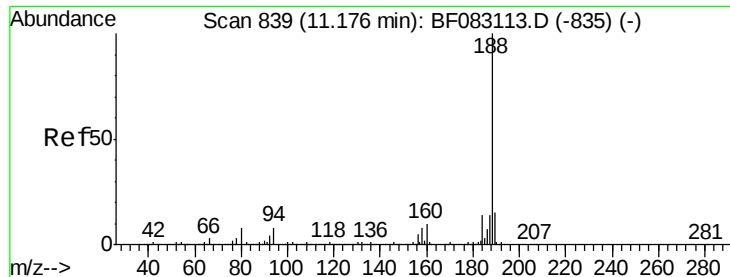
Delta R.T. -0.08 min

Lab File: BF083289.D

Acq: 25 Nov 2015 22:48

Tgt Ion:	154	Resp:	52031
Ion Ratio	Lower	Upper	
154	100		
153	114.5	89.6	134.4
152	56.7	43.3	64.9





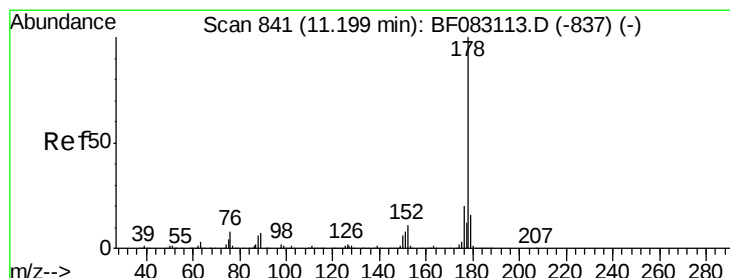
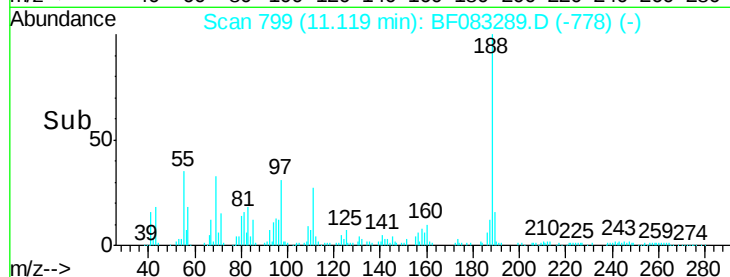
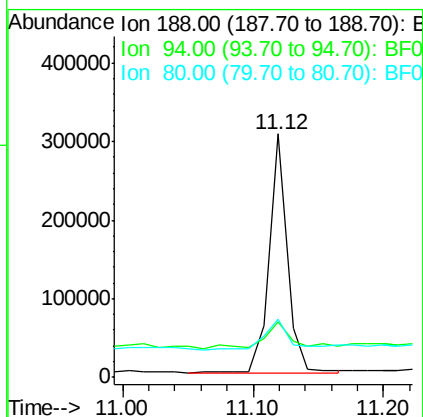
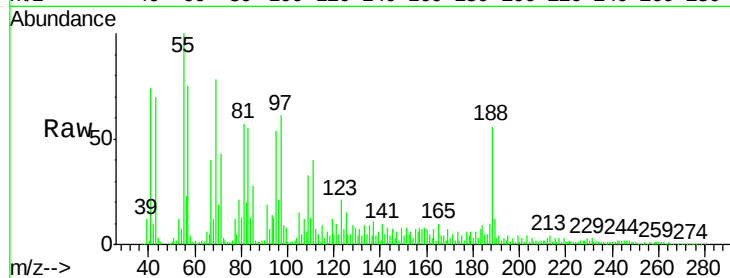
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.12 min Scan# 799
Delta R.T. -0.06 min
Lab File: BF083289.D
Acq: 25 Nov 2015 22:48

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-GRAB1

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	22.9	6.0	9.0#
80	23.7	6.7	10.1#

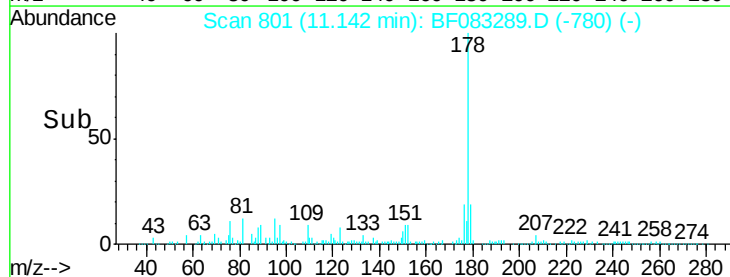
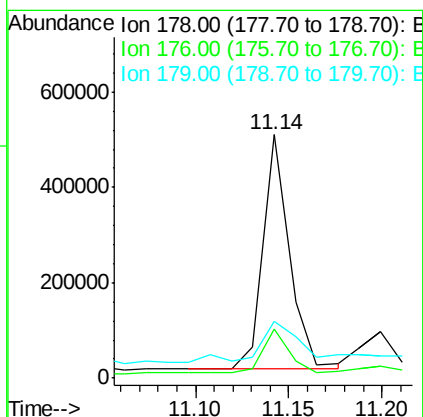
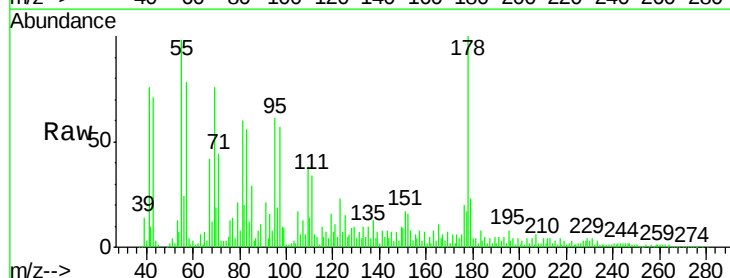
Manual Integrations
APPROVED

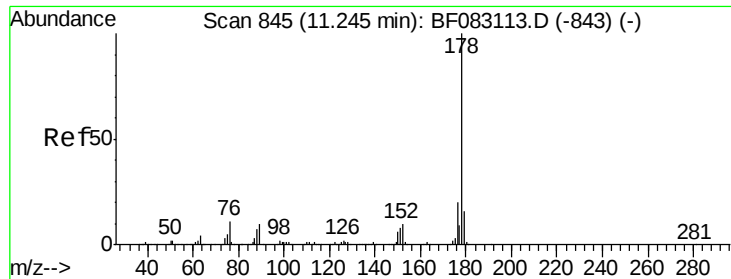
mmdadoda
11/26/2015 6:43:43 PM



#70
Phenanthrene
Concen: 28.01 ng
RT: 11.14 min Scan# 801
Delta R.T. -0.06 min
Lab File: BF083289.D
Acq: 25 Nov 2015 22:48

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.3	16.2	24.2
179	23.1	12.8	19.2#





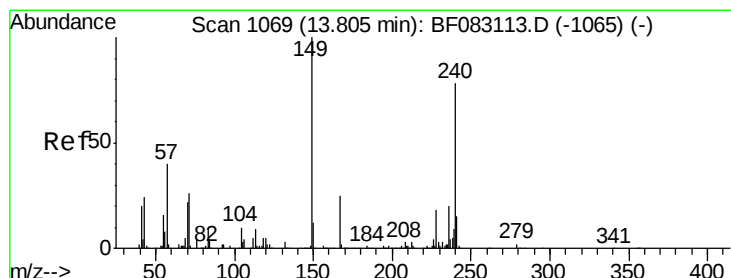
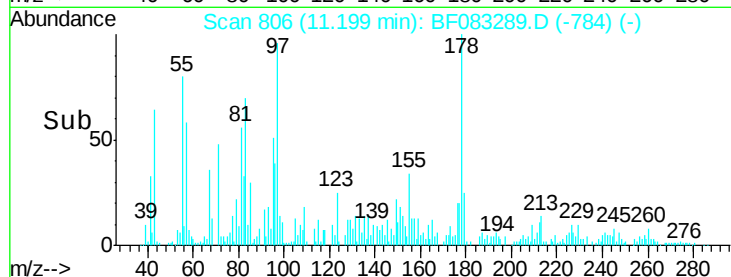
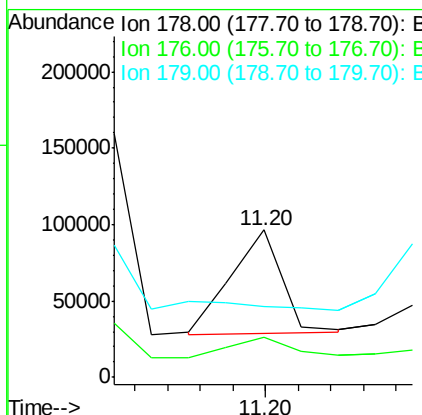
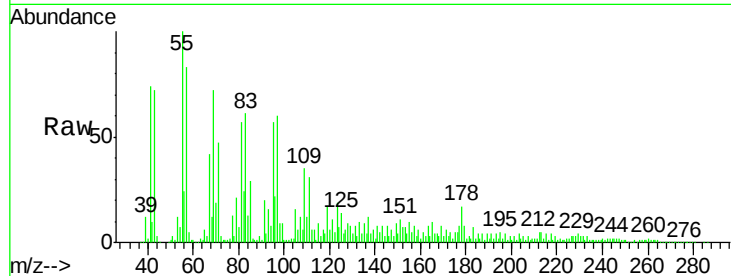
#71
 Anthracene
 Concen: 4.18 ng
 RT: 11.20 min Scan# 806
 Delta R.T. -0.05 min
 Lab File: BF083289.D
 Acq: 25 Nov 2015 22:48

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE-GRAB1

Tot Ion	Ion	Ratio	Lower	Upper
178	100			
176	27.3	15.6	23.4#	
179	48.1	13.2	19.8#	

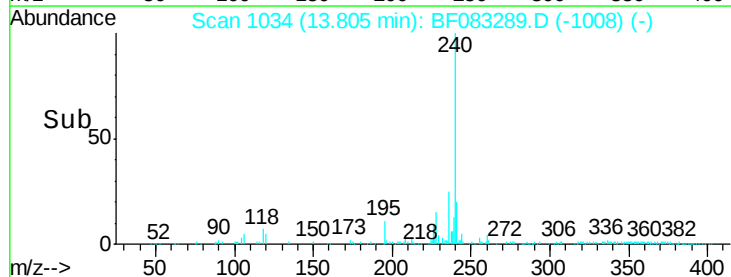
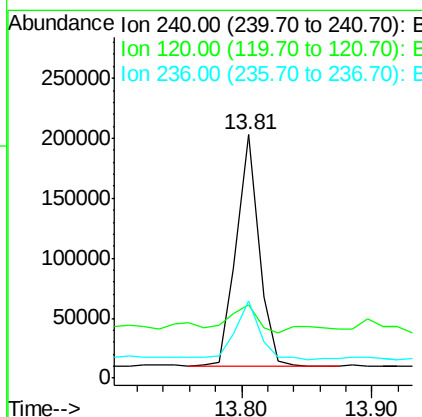
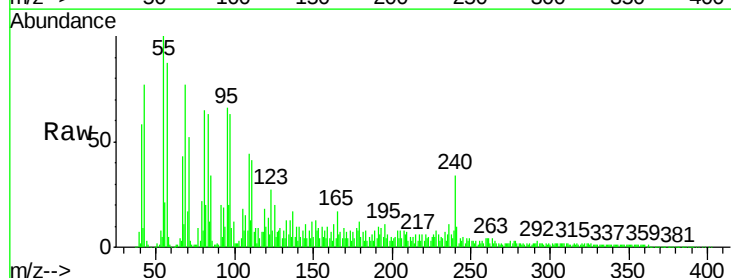
Manual Integrations
 APPROVED

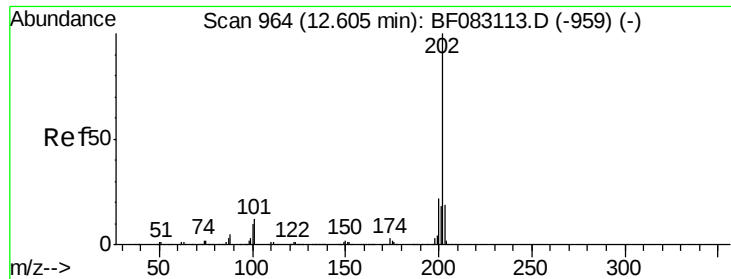
mmdadoda
 11/26/2015 6:43:43 PM



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.81 min Scan# 1034
 Delta R.T. 0.00 min
 Lab File: BF083289.D
 Acq: 25 Nov 2015 22:48

Tgt Ion	Ion	Ratio	Lower	Upper
240	100			
120	29.9	5.4	8.2#	
236	31.9	20.6	31.0#	





#77

Pvrene

Concen: 17.98 ng

RT: 12.61 min Scan# 929

Delta R.T. 0.00 min

Lab File: BF083289.D

Acq: 25 Nov 2015 22:48

Instrument :

BNA_F

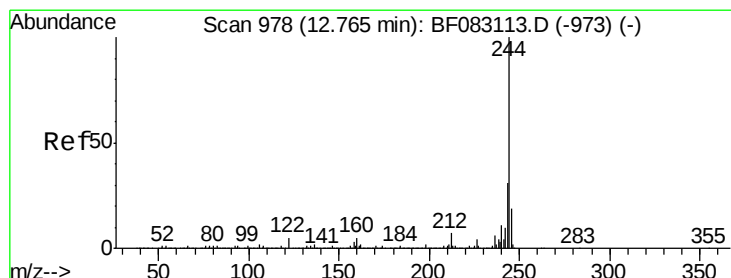
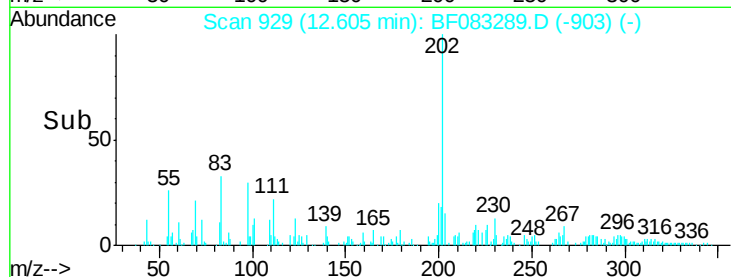
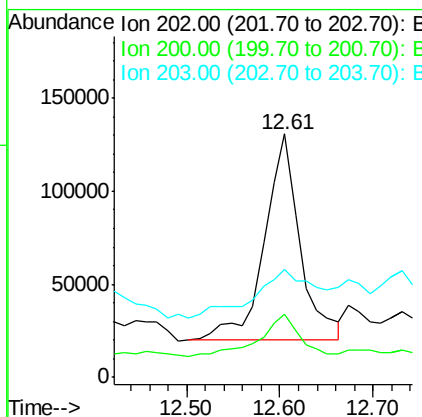
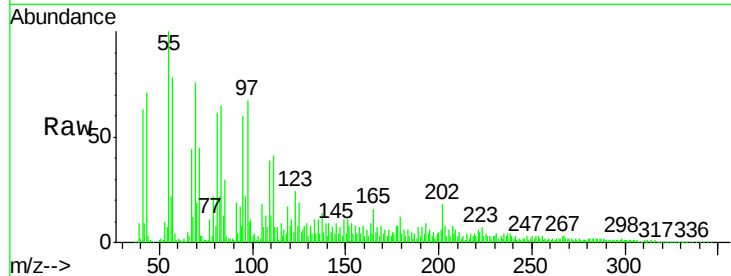
ClientSampleId :

STOCKPILE-GRAB1

Tot Ion	Ratio	Resp	Lower	Upper
202	100	289081		
200	25.7	17.8	26.6	
203	44.5	15.0	22.4	

Manual Integrations
APPROVED

mmdadoda
11/26/2015 6:43:43 PM



#78

Terphenyl-d14

Concen: 5.52 ng

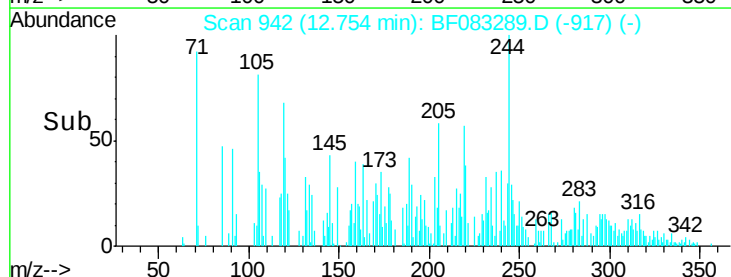
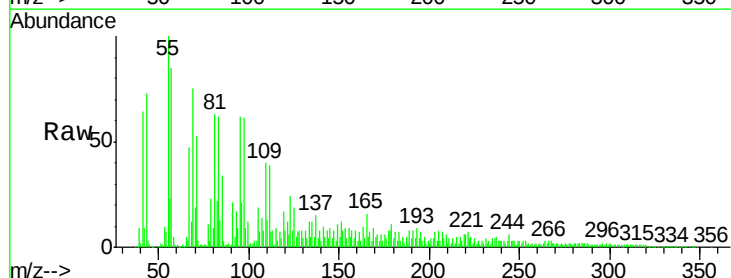
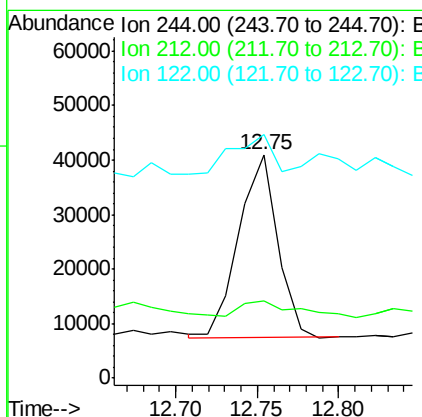
RT: 12.75 min Scan# 942

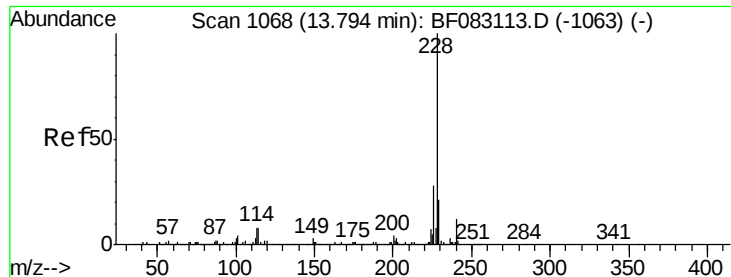
Delta R.T. -0.01 min

Lab File: BF083289.D

Acq: 25 Nov 2015 22:48

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	55228		
212	34.8	5.4	8.2	
122	108.9	4.3	6.5	





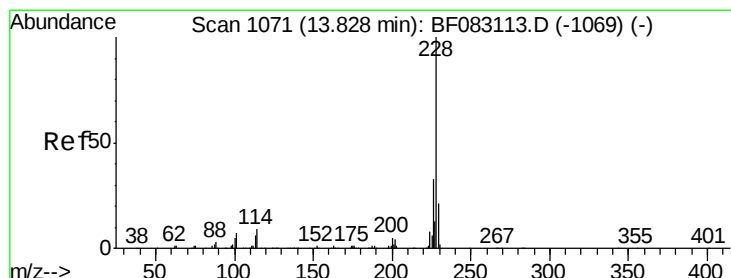
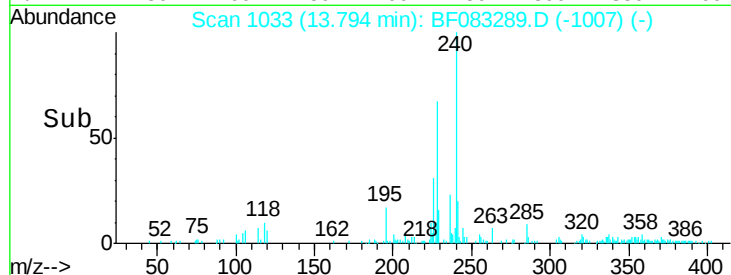
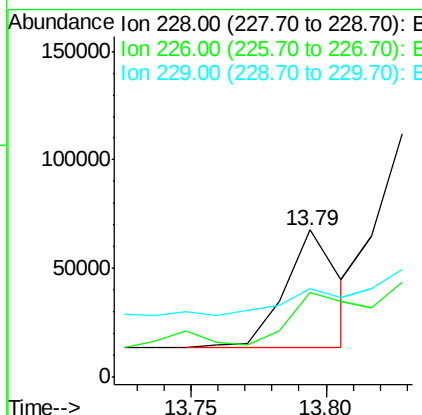
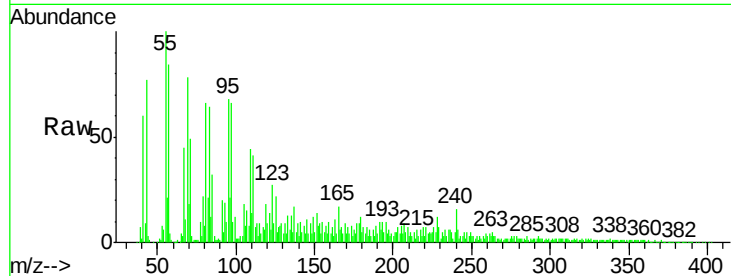
#80
Benzo(a)anthracene
Concen: 5.20 ng m
RT: 13.79 min Scan# 1033
Delta R.T. 0.00 min
Lab File: BF083289.D
Acq: 25 Nov 2015 22:48

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-GRAB1

Tot Ion	Ion	Ratio	Lower	Upper
228	100			
226	57.4	22.6	33.8#	
229	60.6	16.6	24.8#	

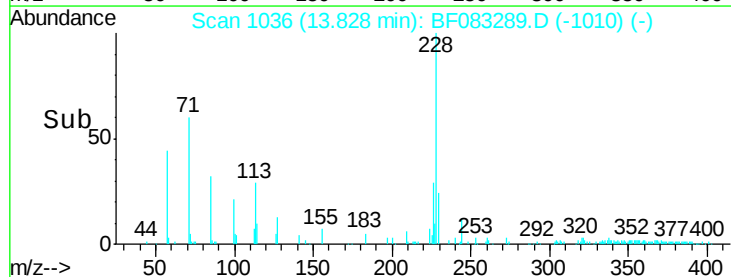
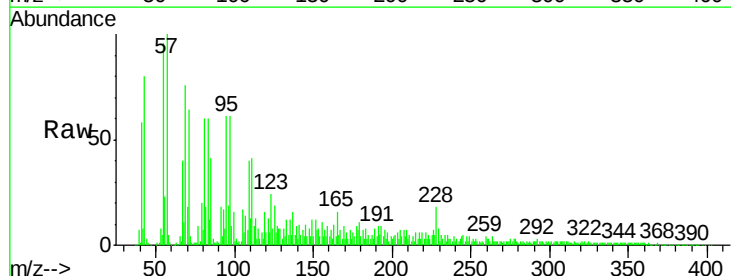
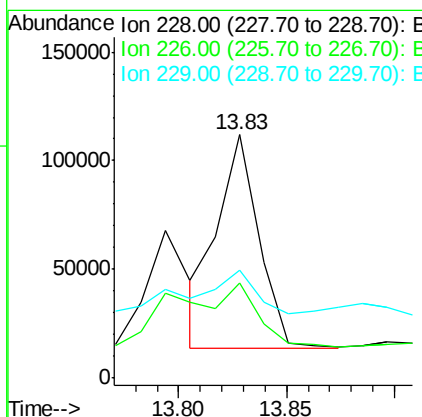
Manual Integrations
APPROVED

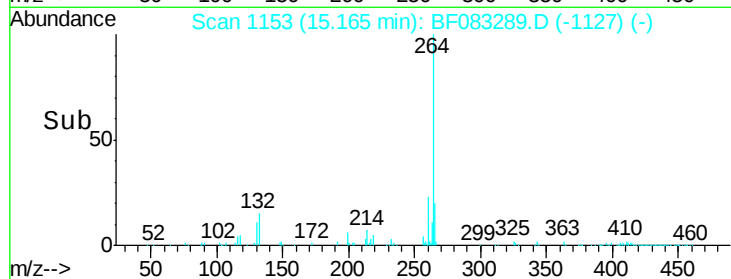
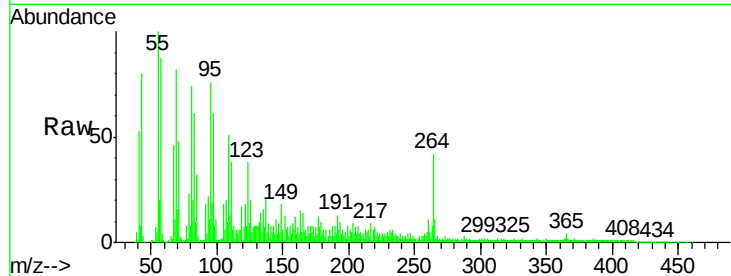
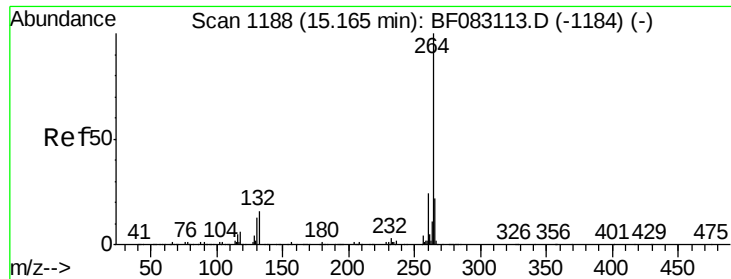
mmdadoda
11/26/2015 6:43:43 PM



#82
Chrysene
Concen: 9.84 ng m
RT: 13.83 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BF083289.D
Acq: 25 Nov 2015 22:48

Tgt Ion	Ion	Ratio	Lower	Upper
228	100			
226	38.9	25.5	38.3#	
229	44.3	16.6	25.0#	





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.17 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: BF083289.D
 Acq: 25 Nov 2015 22:48

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE-GRAB1

Tot Ion:	264	Resp:	234897
Ion Ratio	Lower	Upper	
264	100		
260	27.4	19.1	28.7
265	25.7	18.2	27.4

Manual Integrations
 APPROVED

mmdadoda
 11/26/2015 6:43:43 PM

