

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102315\
 Data File : BF082506.D
 Acq On : 24 Oct 2015 11:33
 Operator : UM/IZ
 Sample : G4119-01DL 5X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB15-45-2.5-3DL

Manual Integrations
 APPROVED

MmDadoda
 10/26/2015 7:22:54 PM

Quant Time: Oct 25 01:12:30 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 23 15:17:13 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	80012	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	325570	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	142027	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	218659	20.00	ng	0.00
75) Chrysene-d12	13.97	240	192418	20.00	ng	-0.07
86) Perylene-d12	15.48	264	152026	20.00	ng	-0.15
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	74006	18.67	ng	0.02
7) Phenol-d6	6.42	99	114669	22.23	ng	0.00
23) Nitrobenzene-d5	7.33	82	70441	14.53	ng	-0.01
41) 2,4,6-Tribromophenol	10.59	330	1143	0.86	ng	-0.01
44) 2-Fluorobiphenyl	9.12	172	149585	17.47	ng	-0.01
78) Terphenyl-d14	12.88	244	110481	15.22	ng	-0.02
Target Compounds						Qvalue
10) Phenol	6.43	94	25375	4.27	ng	94
49) Dimethylphthalate	9.53	163	151775	15.18	ng	98
57) Fluorene	10.35	166	18596	2.07	ng	# 88
59) Diethylphthalate	10.23	149	60600	6.50	ng	98
70) Phenanthrene	11.31	178	152649	14.24	ng	99
71) Anthracene	11.37	178	44373m	4.02	ng	
74) Fluoranthene	12.52	202	338647	29.42	ng	97
77) Pyrene	12.74	202	323431	28.32	ng	98
79) Butylbenzylphthalate	13.37	149	11269	2.16	ng	# 88
80) Benzo(a)anthracene	13.96	228	139682	13.95	ng	98
82) Chrysene	14.00	228	119442	11.32	ng	97
83) Bis(2-ethylhexyl)phthalate	13.94	149	207881	27.96	ng	# 97
85) Indeno(1,2,3-cd)pyrene	16.87	276	38402	4.58	ng	93
87) Benzo(b)fluoranthene	15.06	252	121538m	13.14	ng	
88) Benzo(k)fluoranthene	15.09	252	50025m	6.43	ng	
89) Benzo(a)pyrene	15.41	252	73583	9.26	ng	# 78
91) Benzo(g,h,i)perylene	17.29	276	34257	5.41	ng	# 91

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

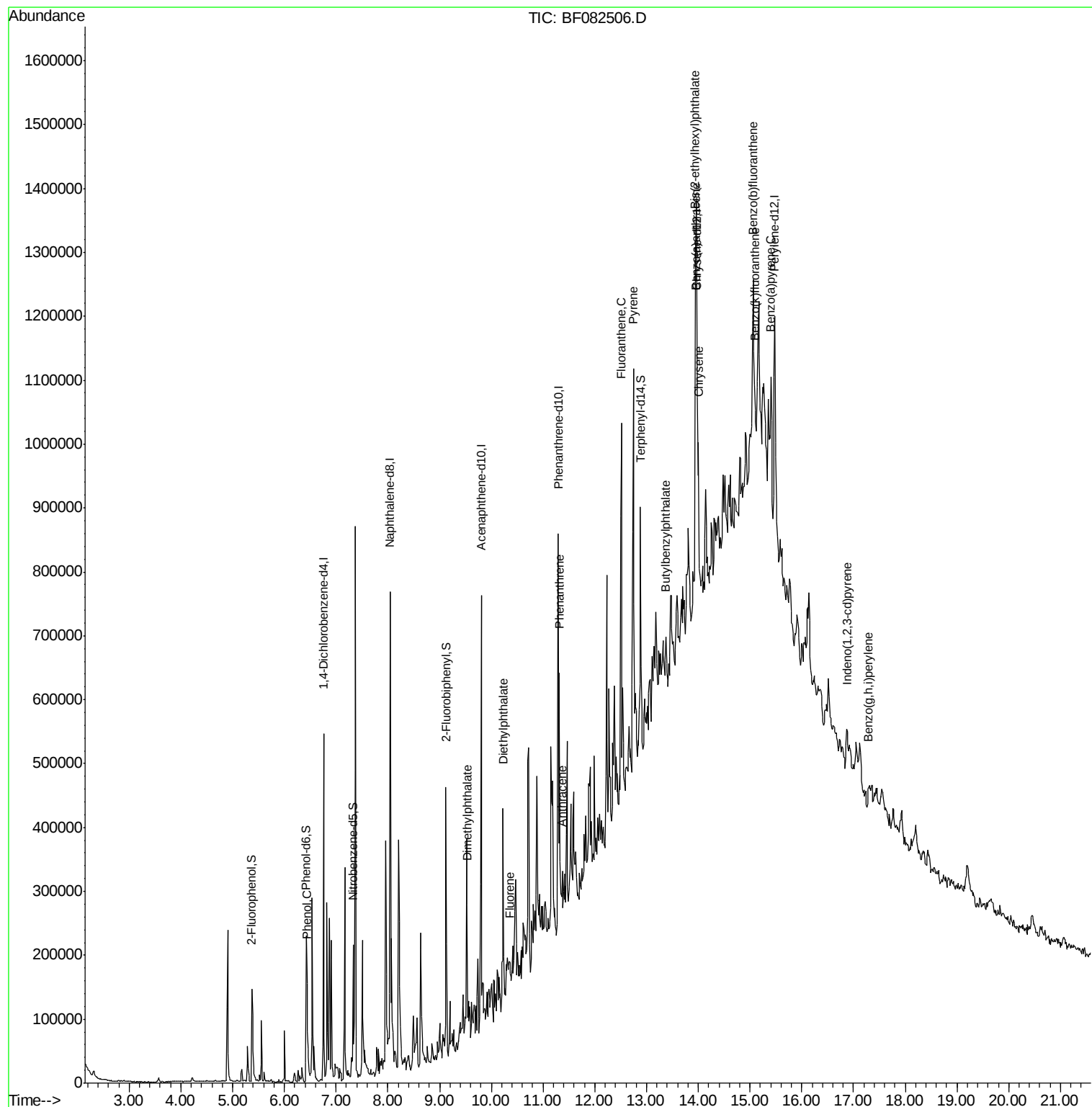
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102315\
Data File : BF082506.D
Acq On : 24 Oct 2015 11:33
Operator : UM/IZ
Sample : G4119-01DL 5X
Misc :
ALS Vial : 35 Sample Multiplier: 1

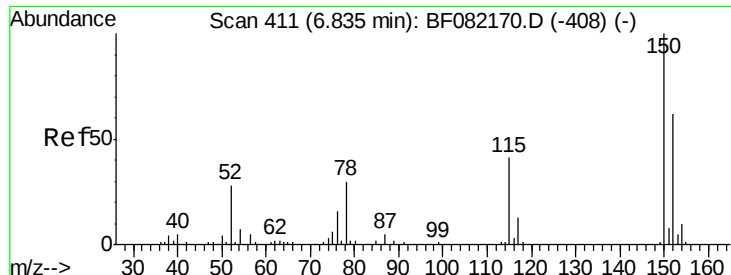
Instrument :
BNA_F
ClientSampleId :
SB15-45-2.5-3DL

Manual Integrations
APPROVED

MmDadoda
10/26/2015 7:22:54 PM

Quant Time: Oct 25 01:12:30 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 23 15:17:13 2015
Response via : Initial Calibration

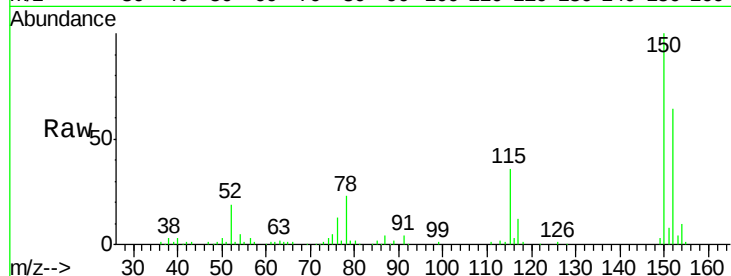




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.75 min Scan# 404
Delta R.T. 0.00 min
Lab File: BF082506.D
Acq: 24 Oct 2015 11:33

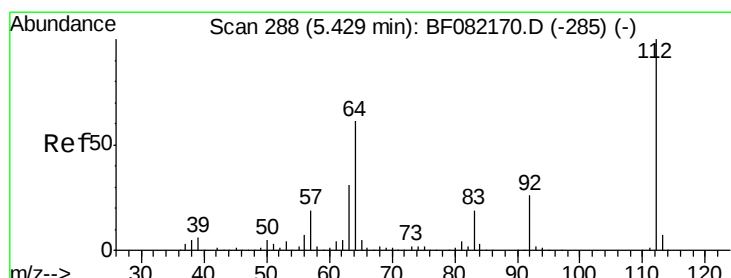
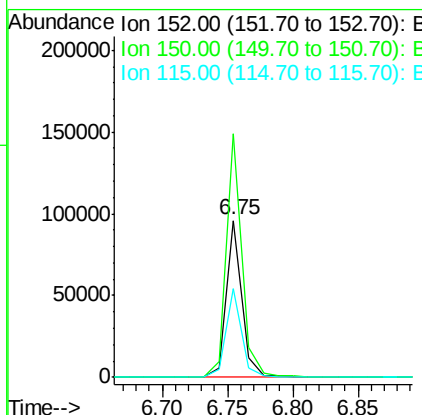
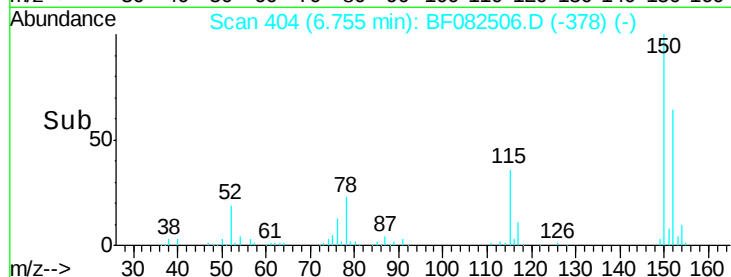
Instrument :
BNA_F
ClientSampleId :
SB15-45-2.5-3DL



Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.5	129.0	193.4
115	56.4	52.1	78.1

Manual Integrations
APPROVED

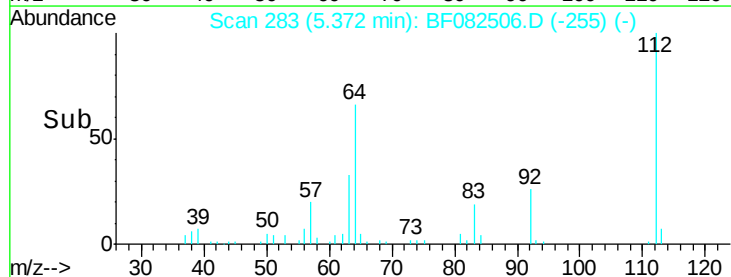
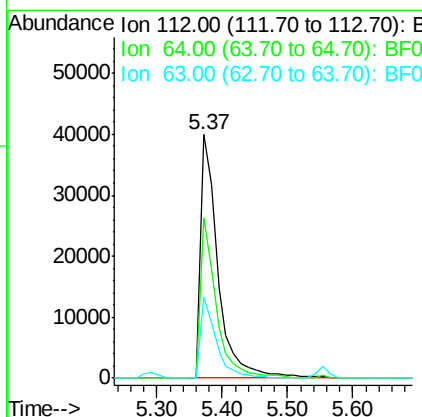
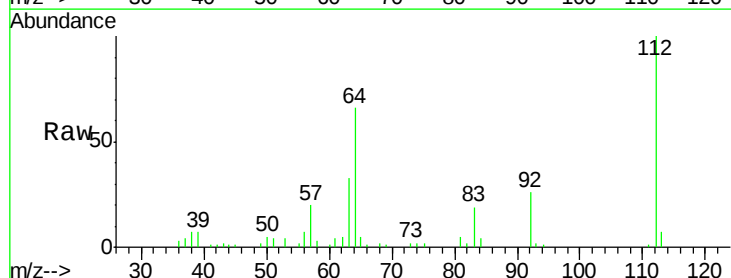
MmDadoda
10/26/2015 7:22:54 PM

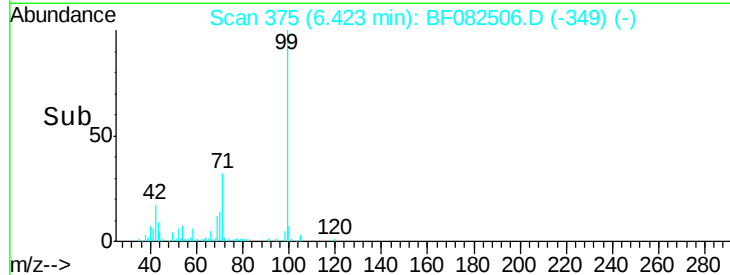
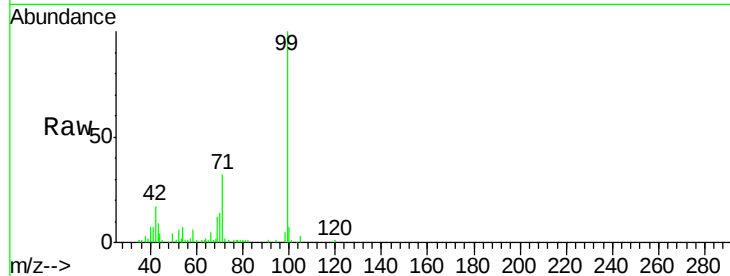
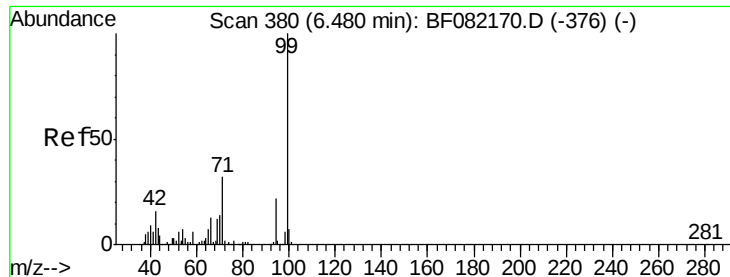


#5

2-Fluorophenol
Concen: 18.67 ng
RT: 5.37 min Scan# 283
Delta R.T. 0.02 min
Lab File: BF082506.D
Acq: 24 Oct 2015 11:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.8	48.6	73.0
63	33.3	25.1	37.7





#7

Phenol-d6

Concen: 22.23 ng

RT: 6.42 min Scan# 375

Delta R.T. 0.00 min

Lab File: BF082506.D

Acq: 24 Oct 2015 11:33

Instrument :

BNA_F

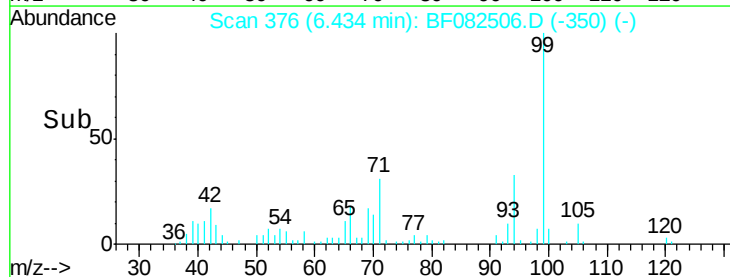
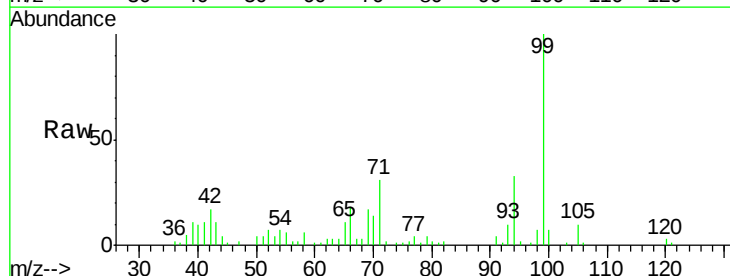
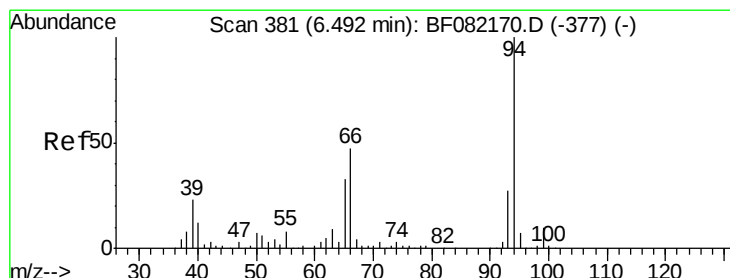
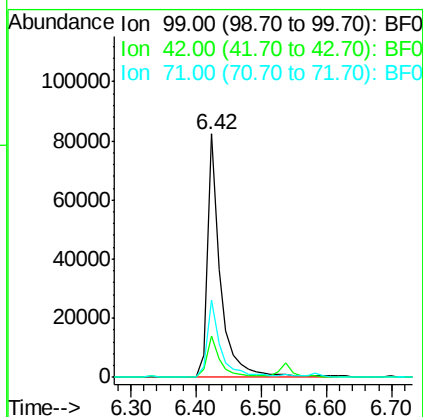
ClientSampleId :

SB15-45-2.5-3DL

Manual Integrations
APPROVED

MmDadoda
10/26/2015 7:22:54 PM

Tgt Ion:	99	Resp:	114669
Ion	Ratio	Lower	Upper
99	100		
42	17.1	13.2	19.8
71	31.8	25.6	38.4



#10

Phenol

Concen: 4.27 ng

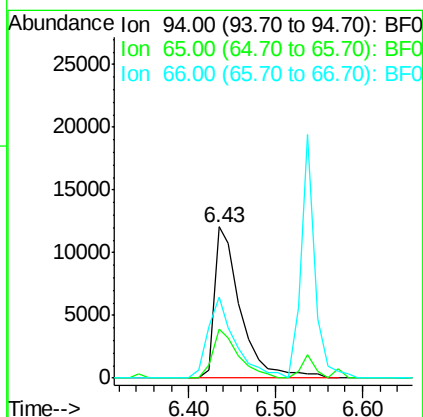
RT: 6.43 min Scan# 376

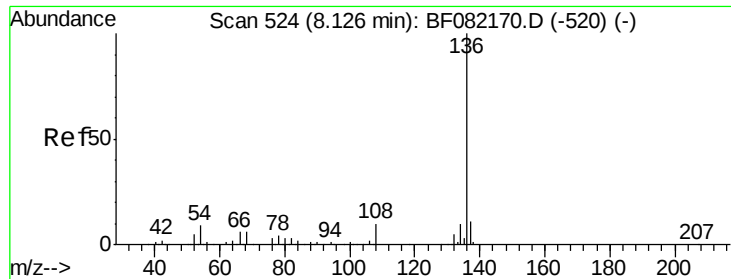
Delta R.T. 0.00 min

Lab File: BF082506.D

Acq: 24 Oct 2015 11:33

Tgt Ion:	94	Resp:	25375
Ion	Ratio	Lower	Upper
94	100		
65	32.5	12.6	52.6
66	53.9	27.3	67.3





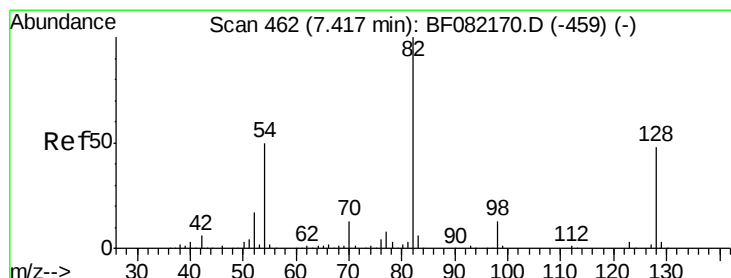
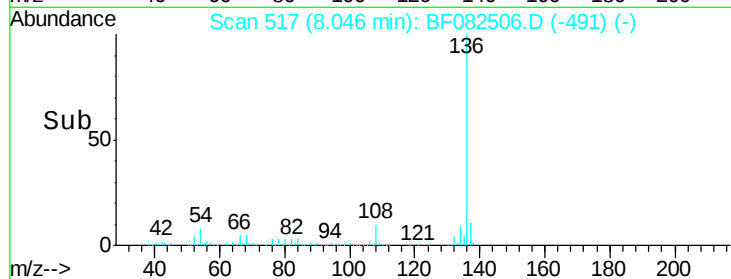
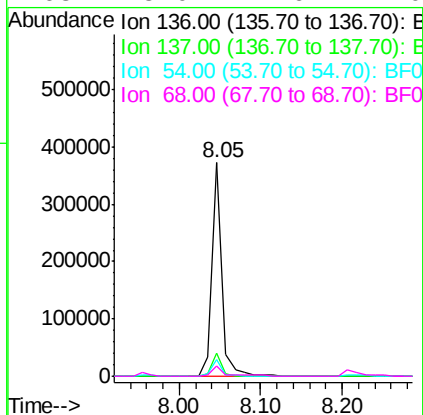
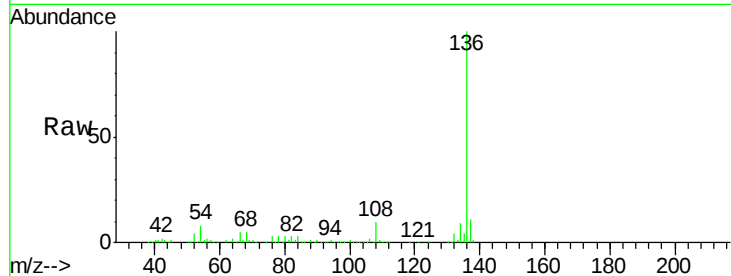
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.05 min Scan# 517
Delta R.T. 0.00 min
Lab File: BF082506.D
Acq: 24 Oct 2015 11:33

Instrument :
BNA_F
ClientSampleId :
SB15-45-2.5-3DL

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	325570		
137	10.7	9.0	13.6	
54	7.5	7.5	11.3	
68	5.0	4.6	7.0	

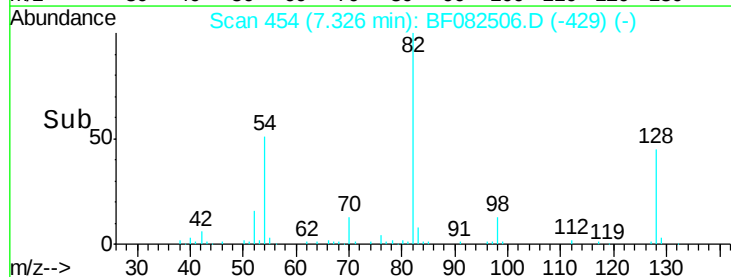
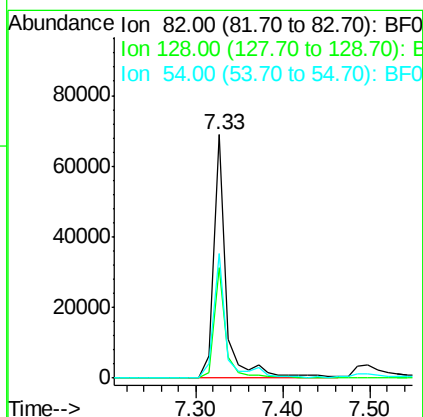
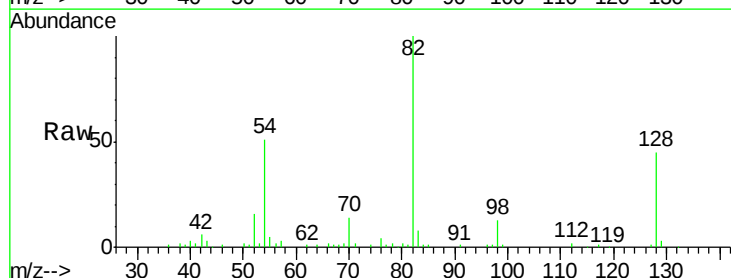
Manual Integrations
APPROVED

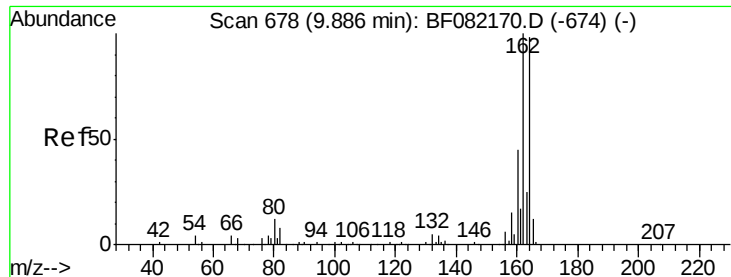
MmDadoda
10/26/2015 7:22:54 PM



#23
Nitrobenzene-d5
Concen: 14.53 ng
RT: 7.33 min Scan# 454
Delta R.T. -0.01 min
Lab File: BF082506.D
Acq: 24 Oct 2015 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	70441		
128	45.4	38.7	58.1	
54	51.2	40.1	60.1	





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.81 min Scan# 671

Delta R.T. 0.00 min

Lab File: BF082506.D

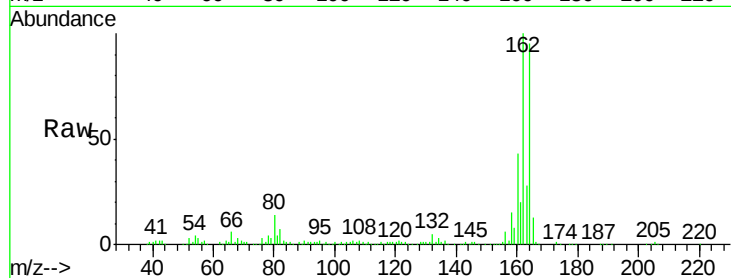
Acq: 24 Oct 2015 11:33

Instrument :

BNA_F

ClientSampleId :

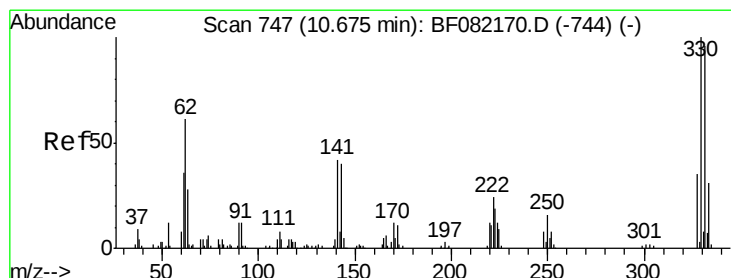
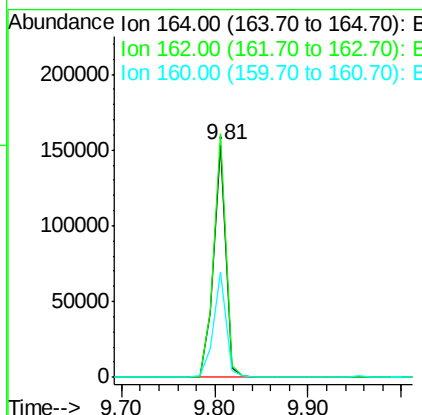
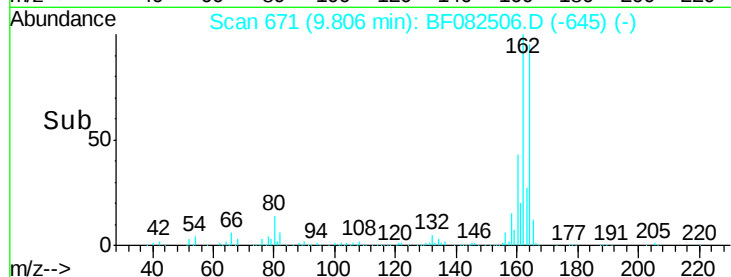
SB15-45-2.5-3DL



Tgt Ion:	164	Resp:	142027
Ion Ratio	Lower	Upper	
164	100		
162	104.8	81.6	122.4
160	45.1	36.4	54.6

Manual Integrations
APPROVED

MmDadoda
10/26/2015 7:22:54 PM



#41

2,4,6-Tribromophenol

Concen: 0.86 ng

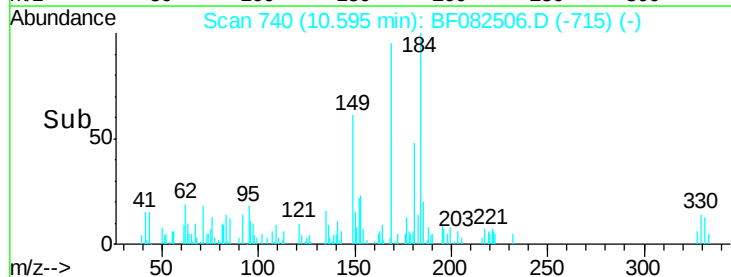
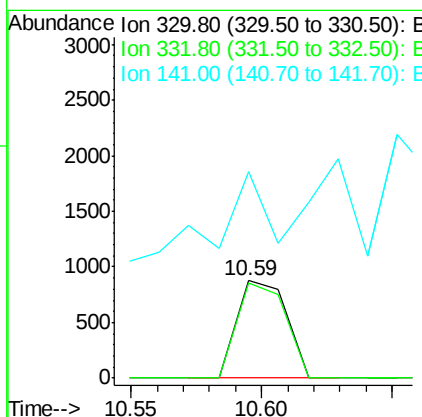
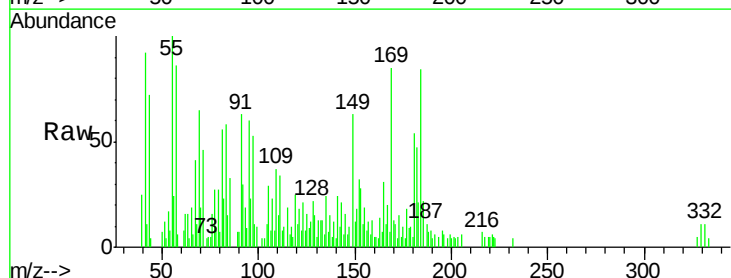
RT: 10.59 min Scan# 740

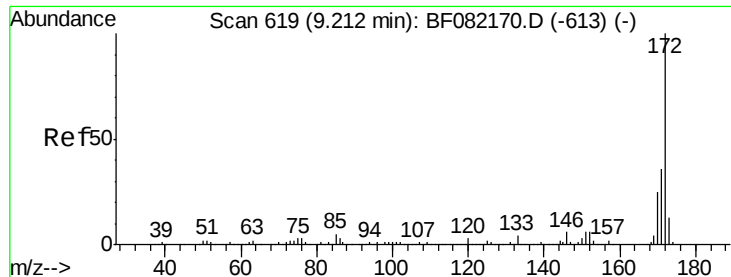
Delta R.T. -0.01 min

Lab File: BF082506.D

Acq: 24 Oct 2015 11:33

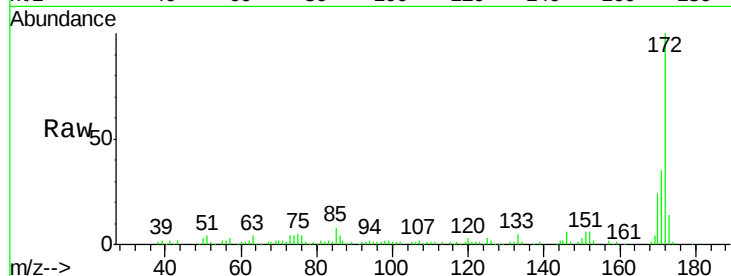
Tgt Ion:	330	Resp:	1143
Ion Ratio	Lower	Upper	
330	100		
332	96.3	77.1	115.7
141	87.4	29.8	44.8#





#44
2-Fluorobiphenyl
Concen: 17.47 ng
RT: 9.12 min Scan# 611
Delta R.T. -0.01 min
Lab File: BF082506.D
Acq: 24 Oct 2015 11:33

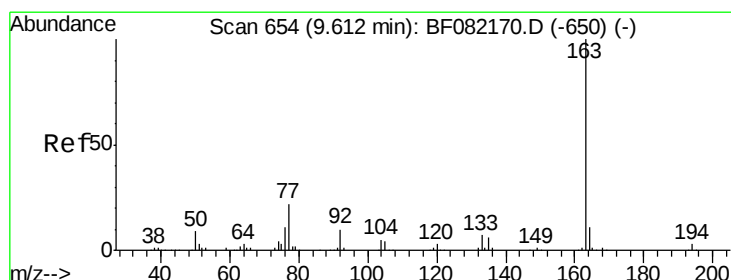
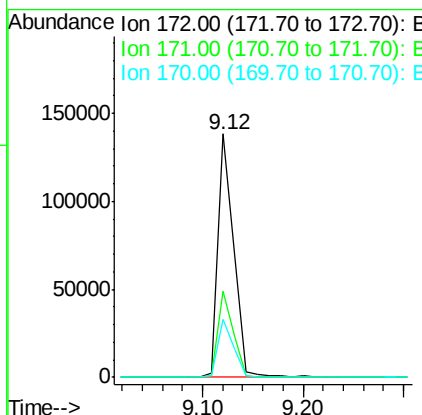
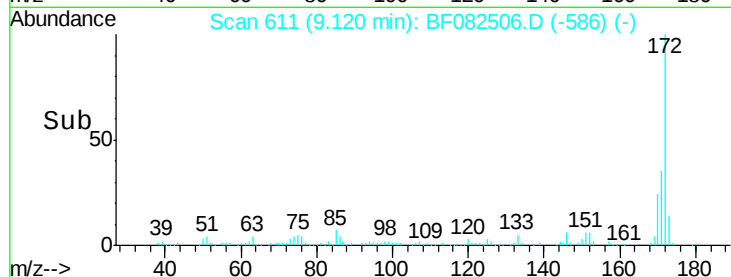
Instrument :
BNA_F
ClientSampleId :
SB15-45-2.5-3DL



Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	35.3	28.6	42.8
170	23.6	19.7	29.5

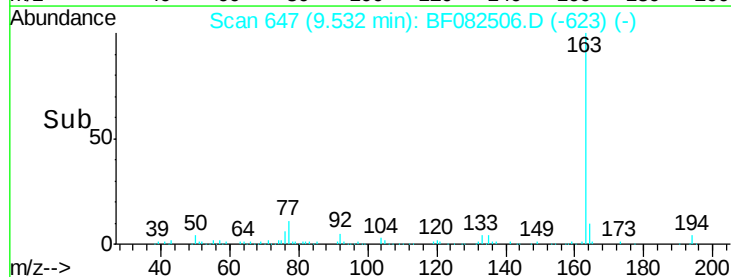
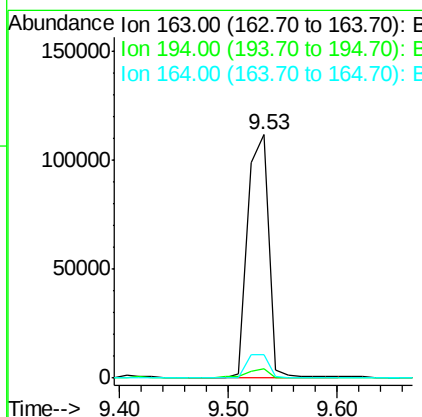
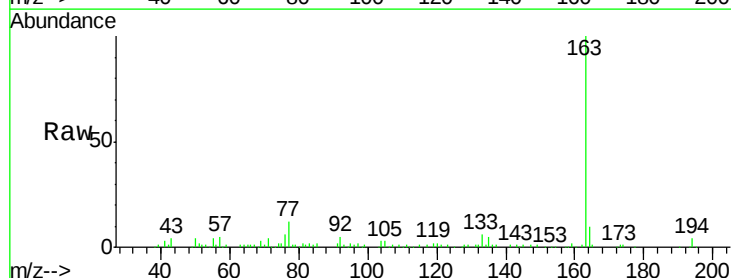
Manual Integrations
APPROVED

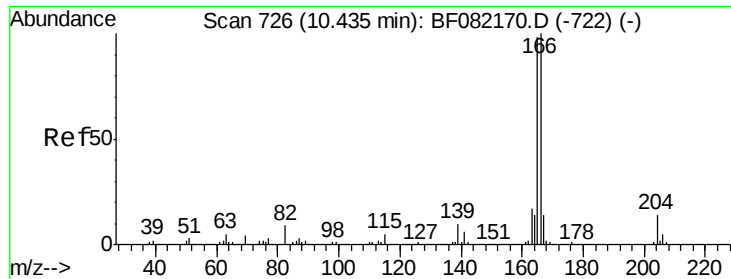
MmDadoda
10/26/2015 7:22:54 PM



#49
Dimethylphthalate
Concen: 15.18 ng
RT: 9.53 min Scan# 647
Delta R.T. -0.02 min
Lab File: BF082506.D
Acq: 24 Oct 2015 11:33

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.9	2.6	4.0
164	9.9	8.5	12.7





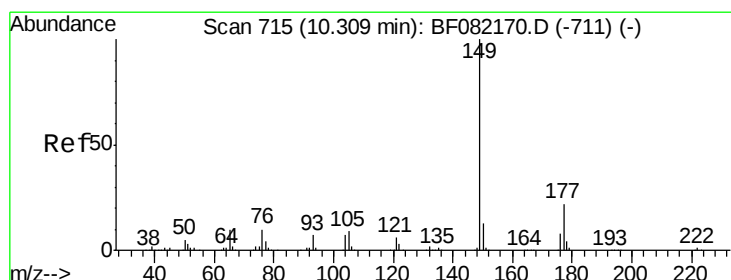
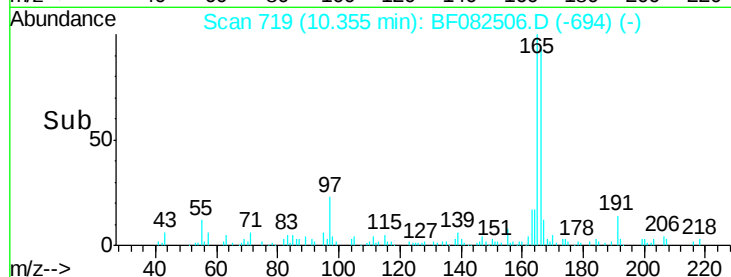
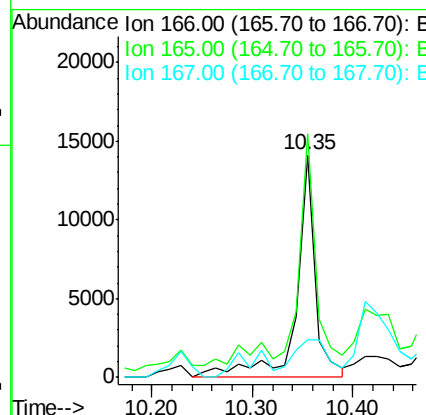
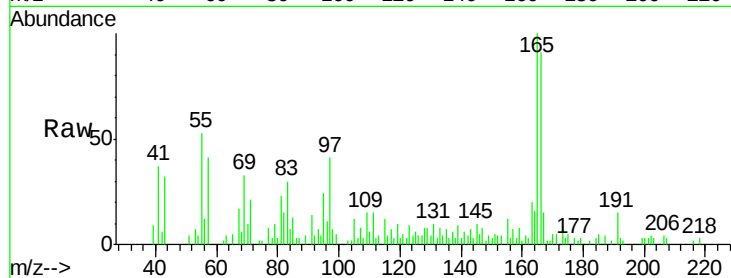
#57
 Fluorene
 Concen: 2.07 ng
 RT: 10.35 min Scan# 719
 Delta R.T. -0.01 min
 Lab File: BF082506.D
 Acq: 24 Oct 2015 11:33

Instrument :
 BNA_F
 ClientSampleId :
 SB15-45-2.5-3DL

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	18596		
165	109.7	78.3	117.5	
167	16.9	10.8	16.2#	

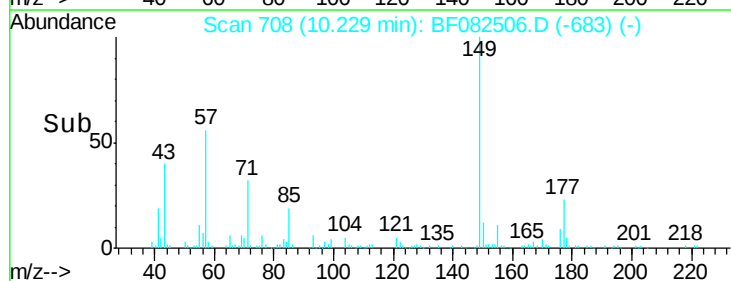
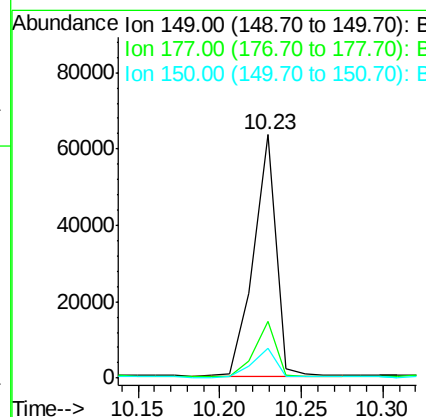
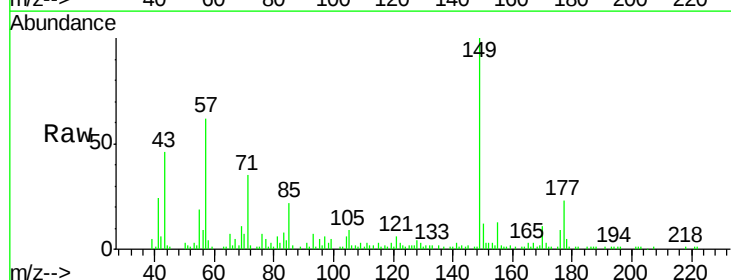
Manual Integrations
 APPROVED

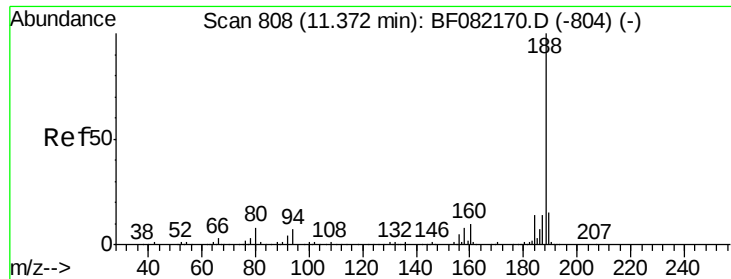
MmDadoda
 10/26/2015 7:22:54 PM



#59
 Diethylphthalate
 Concen: 6.50 ng
 RT: 10.23 min Scan# 708
 Delta R.T. -0.01 min
 Lab File: BF082506.D
 Acq: 24 Oct 2015 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	60600		
177	23.1	17.6	26.4	
150	12.4	10.3	15.5	





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.29 min Scan# 801

Delta R.T. 0.00 min

Lab File: BF082506.D

Acq: 24 Oct 2015 11:33

Instrument :

BNA_F

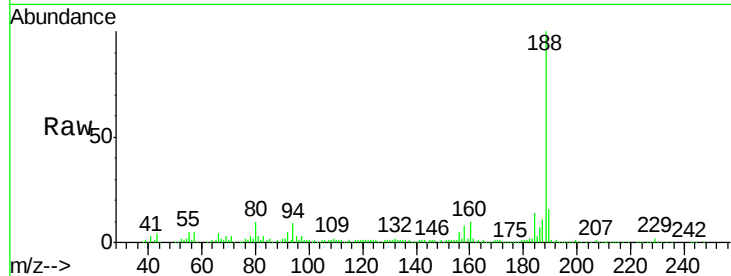
ClientSampleId :

SB15-45-2.5-3DL

Tgt Ion:	188	Resp:	218659
Ion Ratio	Lower	Upper	
188	100		
94	9.1	5.8	8.6#
80	9.6	6.4	9.6

Manual Integrations
APPROVED

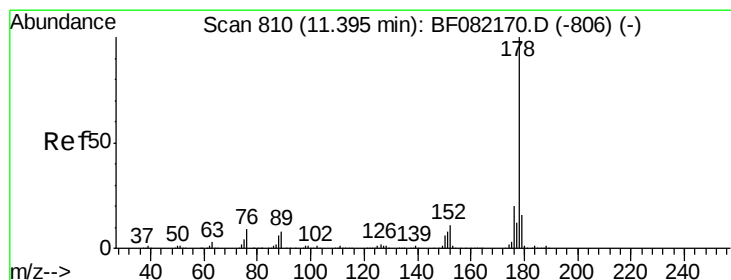
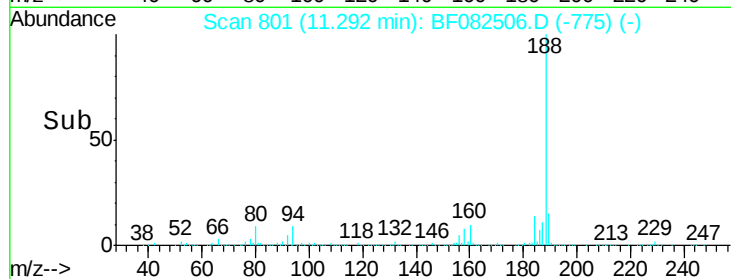
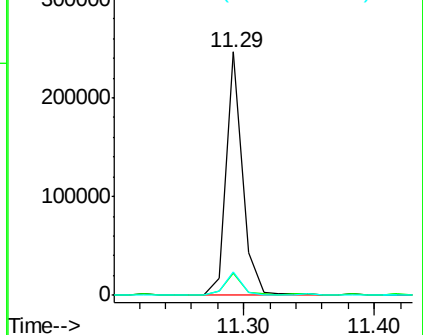
MmDadoda
10/26/2015 7:22:54 PM



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: 14.24 ng

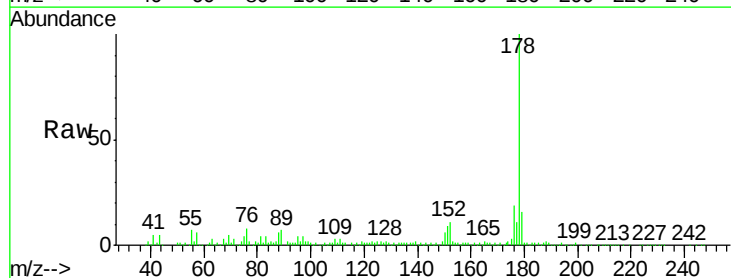
RT: 11.31 min Scan# 803

Delta R.T. -0.01 min

Lab File: BF082506.D

Acq: 24 Oct 2015 11:33

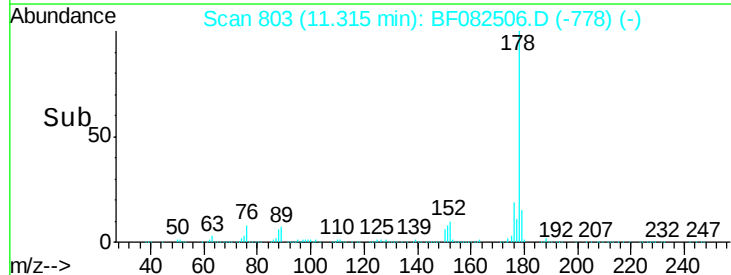
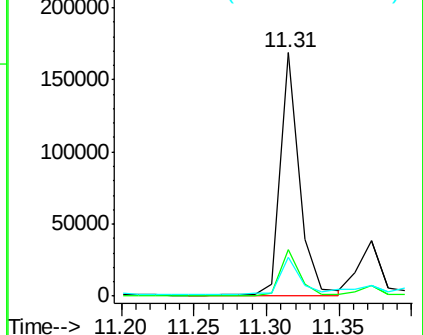
Tgt Ion:	178	Resp:	152649
Ion Ratio	Lower	Upper	
178	100		
176	19.3	16.0	24.0
179	16.0	12.6	19.0

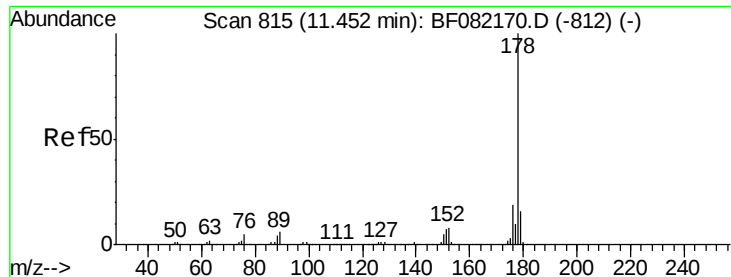


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 4.02 ng m

RT: 11.37 min Scan# 808

Delta R.T. 0.00 min

Lab File: BF082506.D

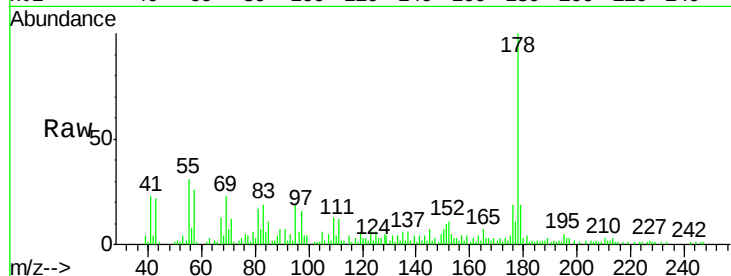
Acq: 24 Oct 2015 11:33

Instrument :

BNA_F

ClientSampleId :

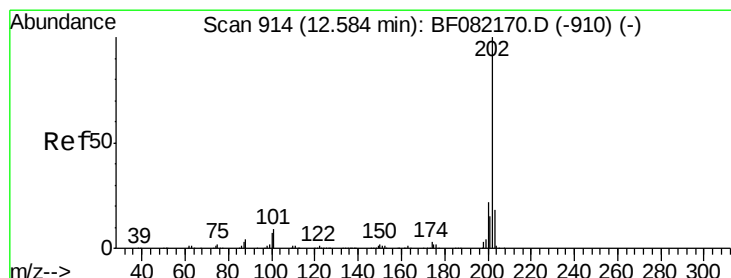
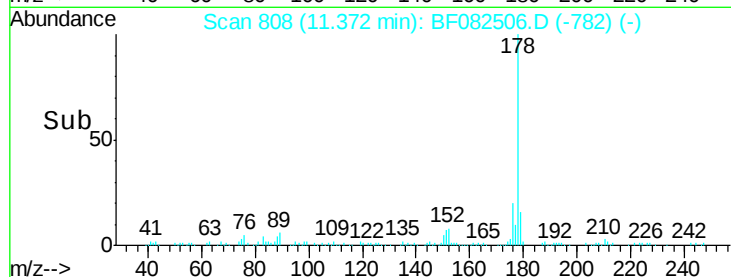
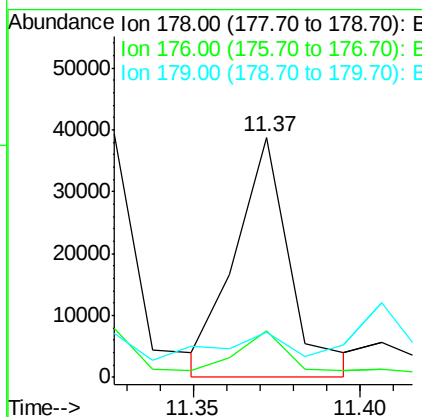
SB15-45-2.5-3DL



Tgt Ion:	178	Resp:	44373
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.4	23.0
179	18.8	12.5	18.7#

Manual Integrations
APPROVED

MmDadoda
10/26/2015 7:22:54 PM



#74

Fluoranthene

Concen: 29.42 ng

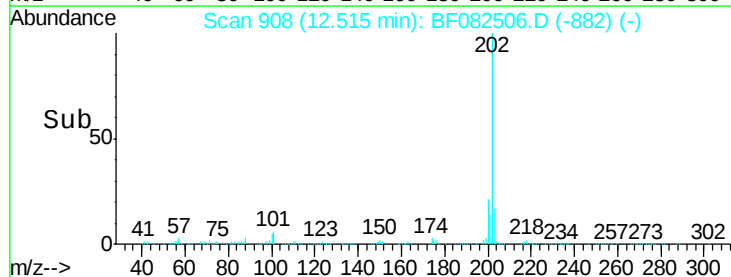
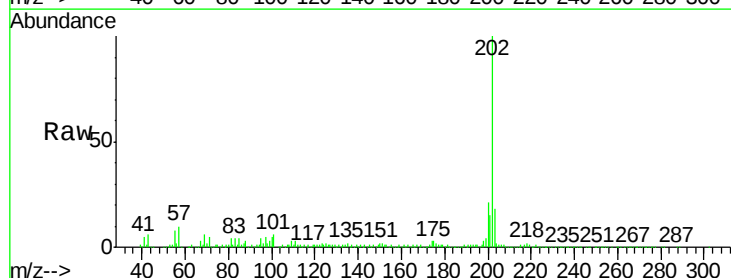
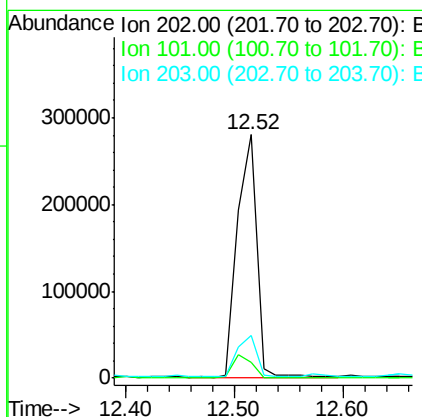
RT: 12.52 min Scan# 908

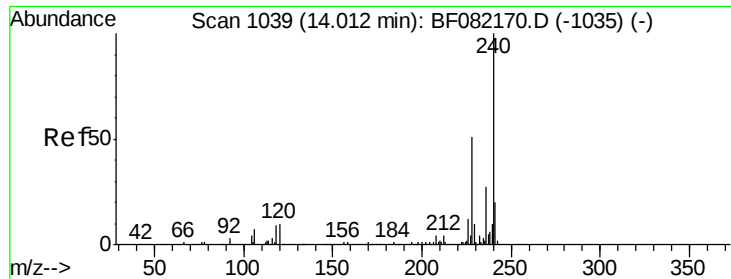
Delta R.T. 0.00 min

Lab File: BF082506.D

Acq: 24 Oct 2015 11:33

Tgt Ion:	202	Resp:	338647
Ion Ratio	Lower	Upper	
202	100		
101	6.4	0.0	29.3
203	17.8	0.0	37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.97 min Scan# 1035

Delta R.T. -0.07 min

Lab File: BF082506.D

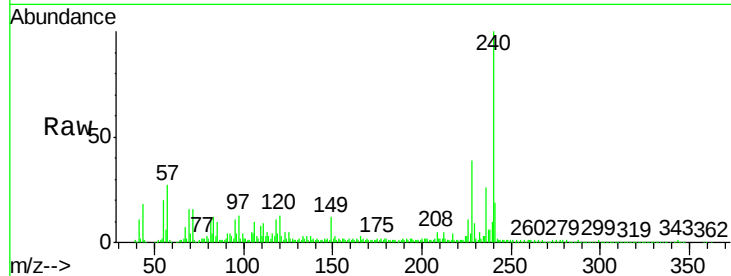
Acq: 24 Oct 2015 11:33

Instrument :

BNA_F

ClientSampleId :

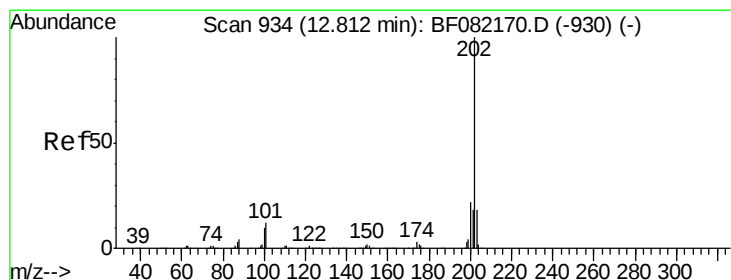
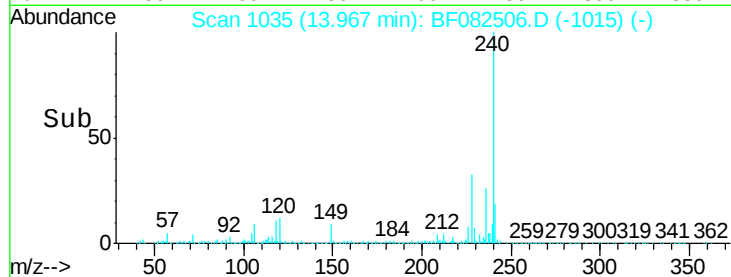
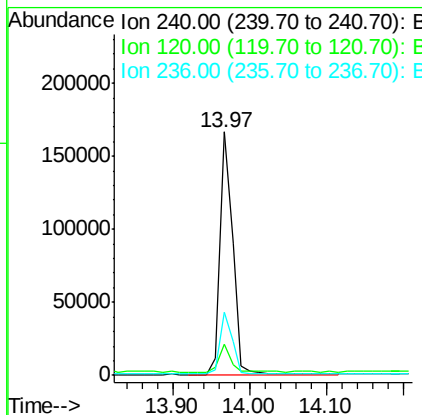
SB15-45-2.5-3DL



Tgt Ion	Ratio	Resp	Lower	Upper
240	100			
120	13.0	8.1	12.1#	
236	26.0	21.3	31.9	

Manual Integrations
APPROVED

MmDadoda
10/26/2015 7:22:54 PM



#77

Pyrene

Concen: 28.32 ng

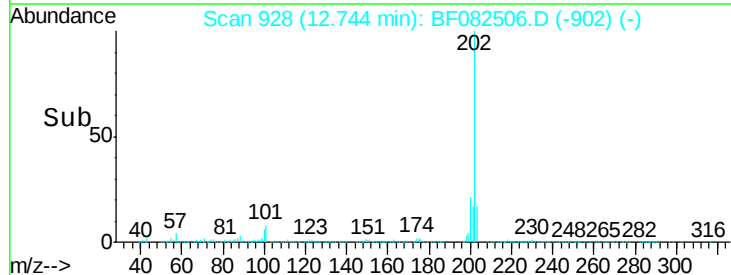
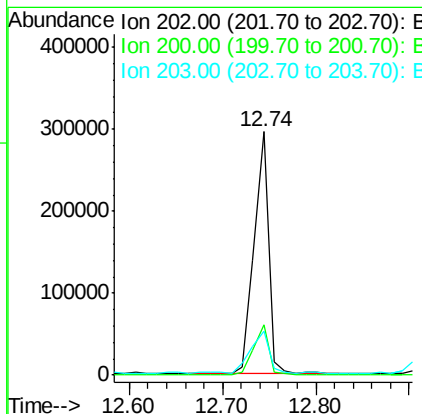
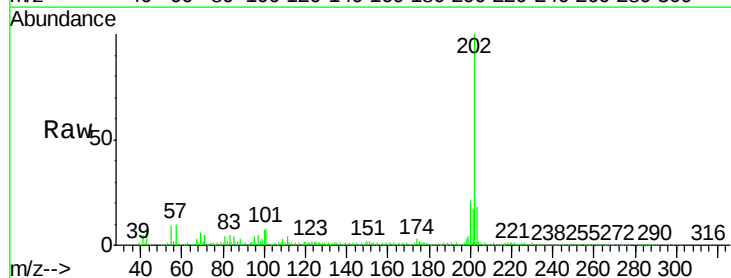
RT: 12.74 min Scan# 928

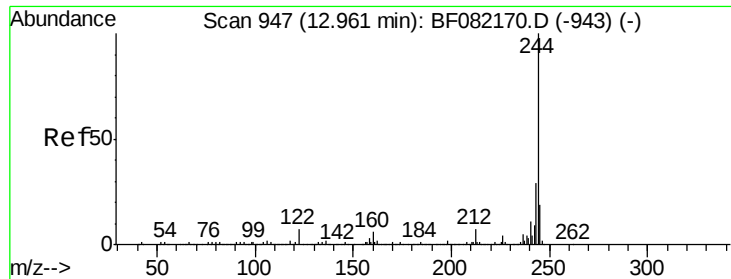
Delta R.T. 0.00 min

Lab File: BF082506.D

Acq: 24 Oct 2015 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.8	17.9	26.9	
203	18.1	14.5	21.7	





#78

Terphenyl-d14

Concen: 15.22 ng

RT: 12.88 min Scan# 940

Delta R.T. -0.02 min

Lab File: BF082506.D

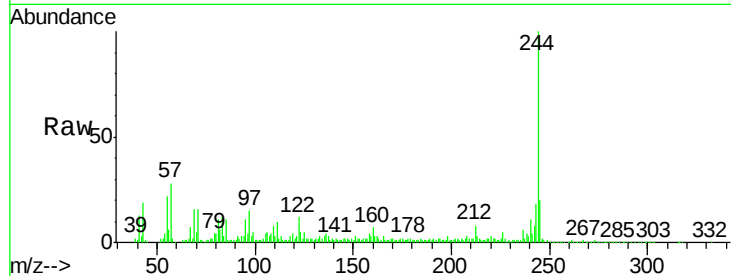
Acq: 24 Oct 2015 11:33

Instrument :

BNA_F

ClientSampleId :

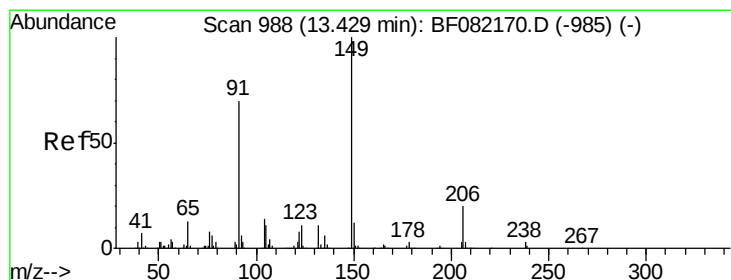
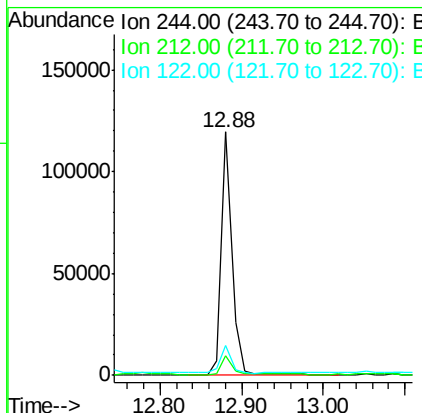
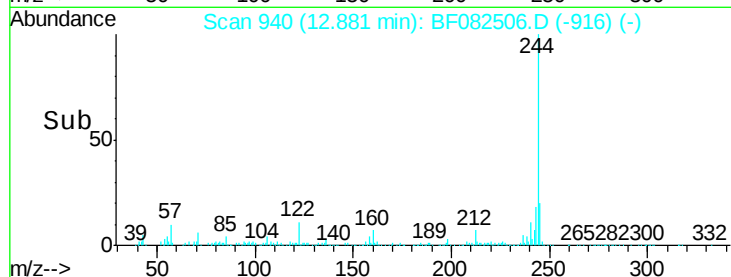
SB15-45-2.5-3DL



Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	8.0	5.8	8.6	
122	12.2	5.9	8.9	

Manual Integrations
APPROVED

MmDadoda
10/26/2015 7:22:54 PM



#79

Butylbenzylphthalate

Concen: 2.16 ng

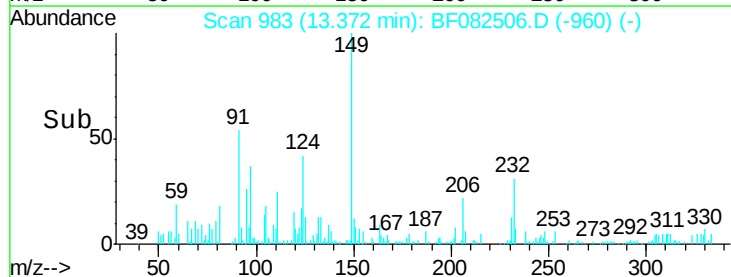
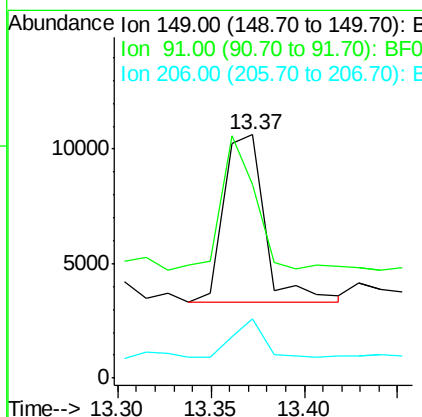
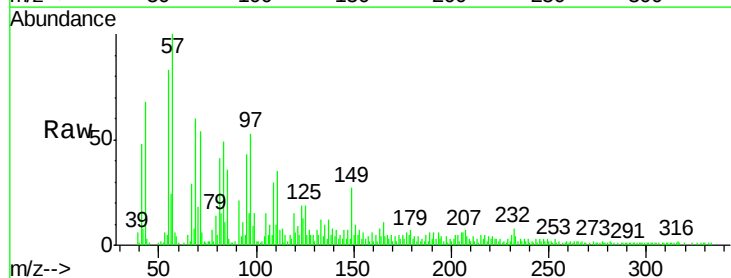
RT: 13.37 min Scan# 983

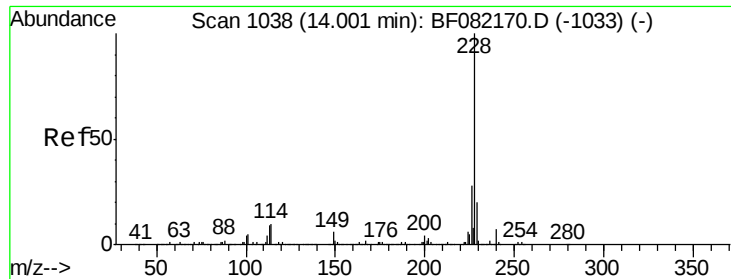
Delta R.T. -0.03 min

Lab File: BF082506.D

Acq: 24 Oct 2015 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
91	79.4	55.7	83.5	
206	24.1	15.6	23.4	





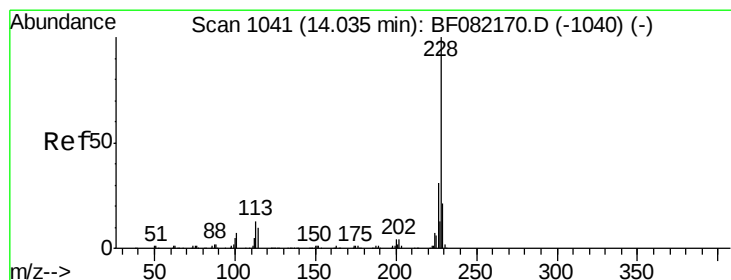
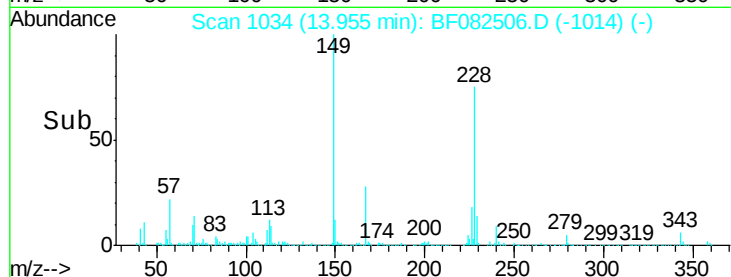
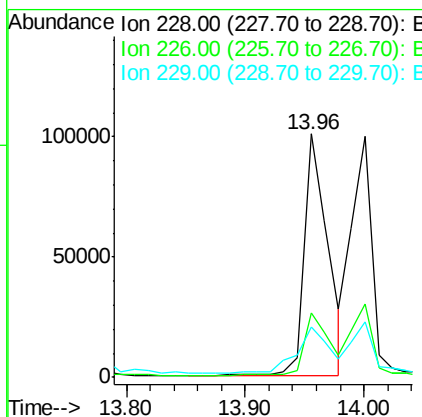
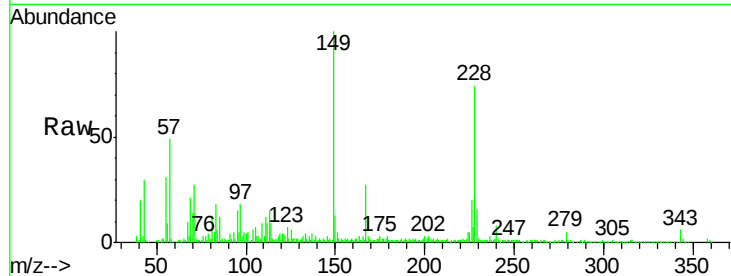
#80
Benzo(a)anthracene
Concen: 13.95 ng
RT: 13.96 min Scan# 1034
Delta R.T. -0.07 min
Lab File: BF082506.D
Acq: 24 Oct 2015 11:33

Instrument :
BNA_F
ClientSampleId :
SB15-45-2.5-3DL

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	139682		
226	26.7	22.3	33.5	
229	20.9	16.2	24.2	

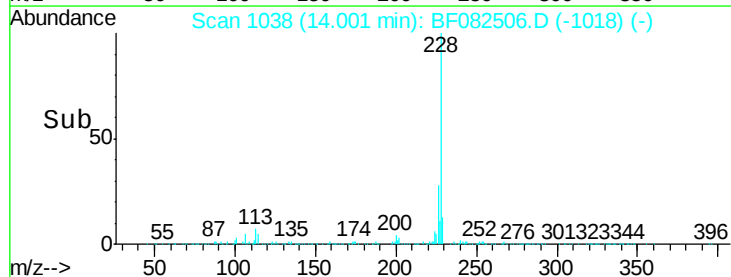
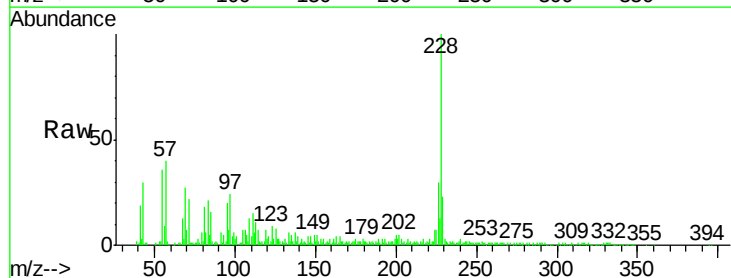
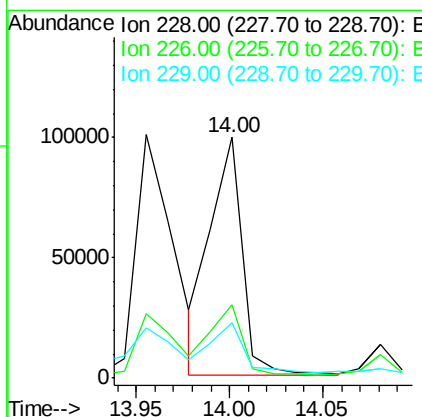
Manual Integrations
APPROVED

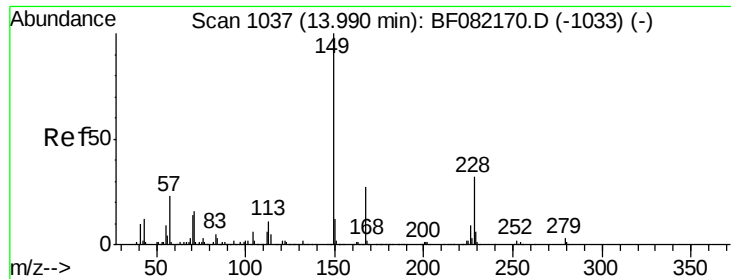
MmDadoda
10/26/2015 7:22:54 PM



#82
Chrysene
Concen: 11.32 ng
RT: 14.00 min Scan# 1038
Delta R.T. -0.07 min
Lab File: BF082506.D
Acq: 24 Oct 2015 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	119442		
226	30.3	24.4	36.6	
229	23.0	16.3	24.5	





#83

Bis(2-ethylhexyl)phthalate

Concen: 27.96 ng

RT: 13.94 min Scan# 1033

Delta R.T. -0.07 min

Lab File: BF082506.D

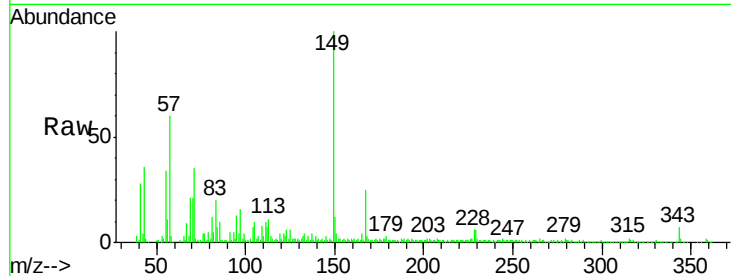
Acq: 24 Oct 2015 11:33

Instrument :

BNA_F

ClientSampleId :

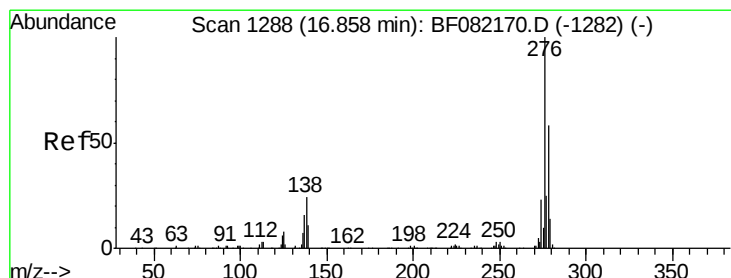
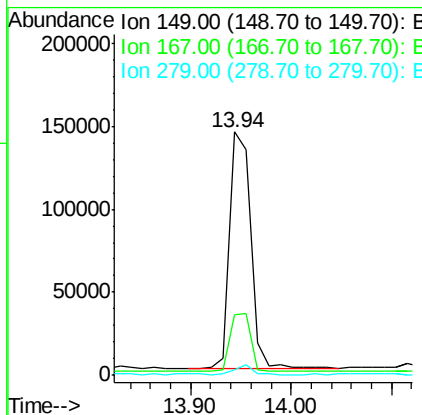
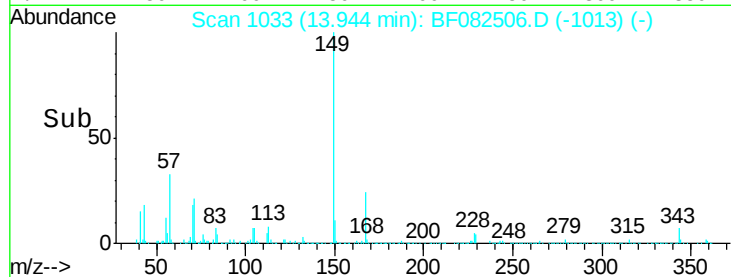
SB15-45-2.5-3DL



Tgt Ion	Ratio	Resp	Lower	Upper
149	100	207881		
167	24.9	21.3	31.9	
279	2.3	2.6	4.0	

Manual Integrations
APPROVED

MmDadoda
10/26/2015 7:22:54 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.58 ng

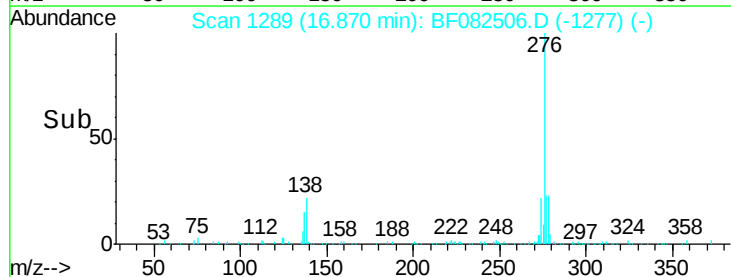
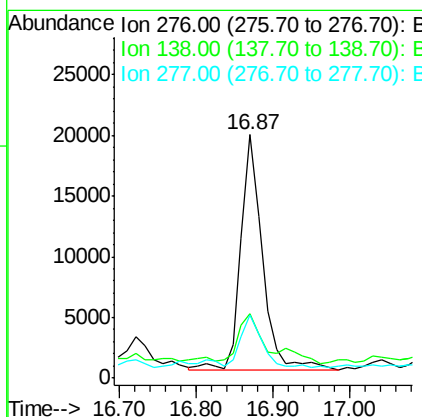
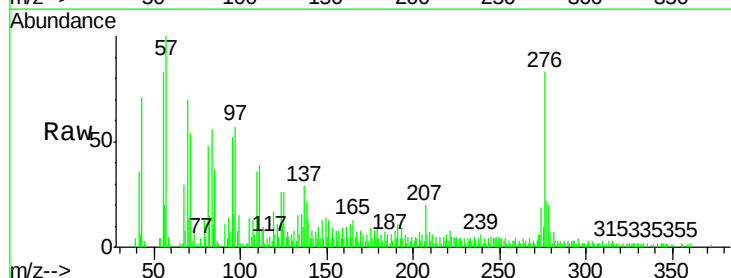
RT: 16.87 min Scan# 1289

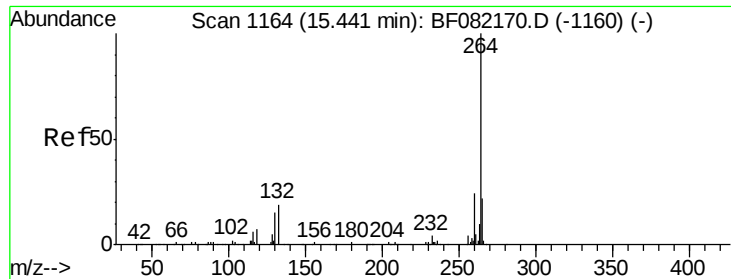
Delta R.T. -0.16 min

Lab File: BF082506.D

Acq: 24 Oct 2015 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	38402		
138	20.1	19.7	29.5	
277	22.3	20.1	30.1	





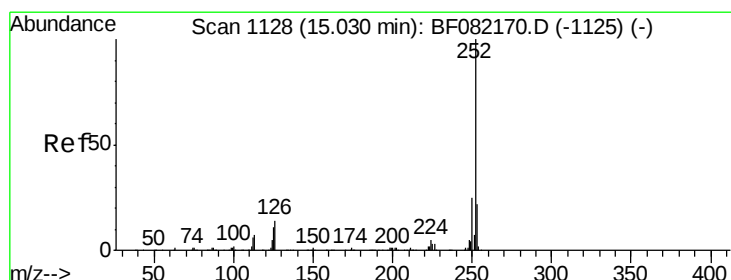
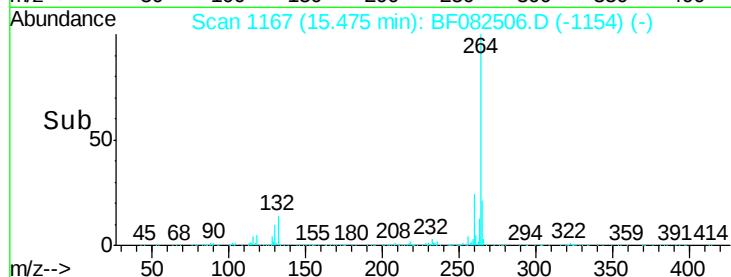
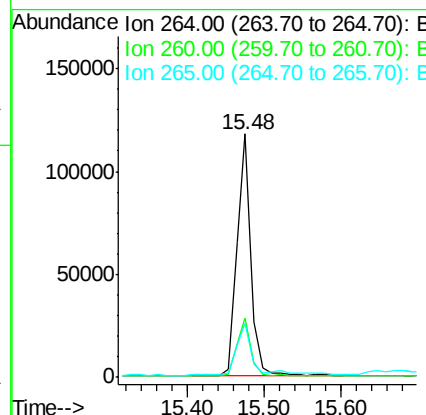
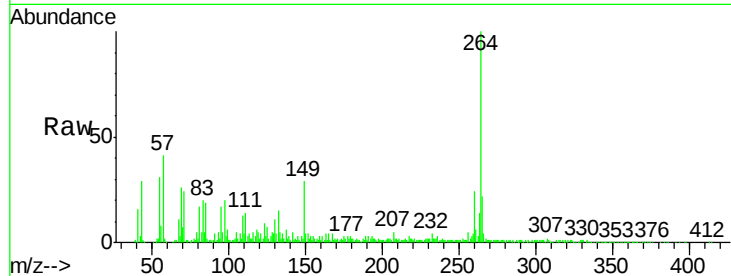
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.48 min Scan# 1167
Delta R.T. -0.15 min
Lab File: BF082506.D
Acq: 24 Oct 2015 11:33

Instrument :
BNA_F
ClientSampleId :
SB15-45-2.5-3DL

Tgt Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.5	19.0	28.6	
265	22.1	17.3	25.9	

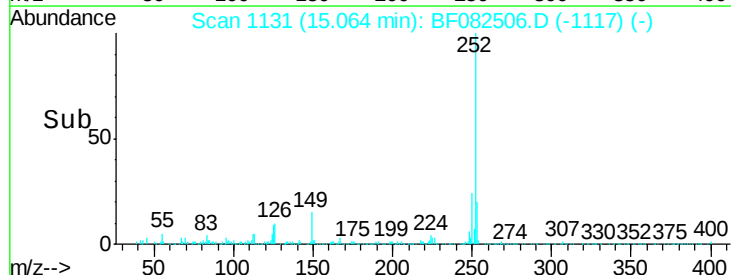
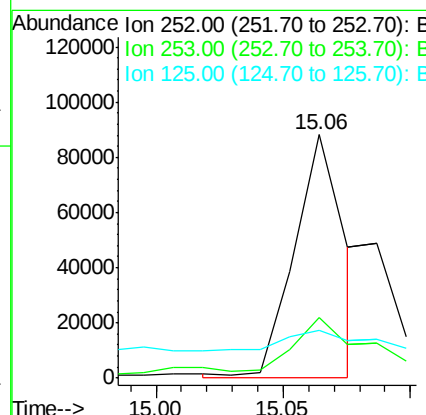
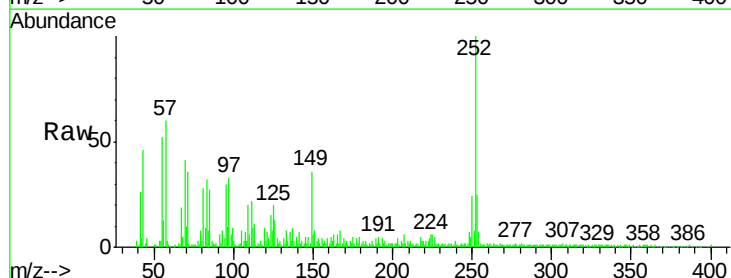
Manual Integrations
APPROVED

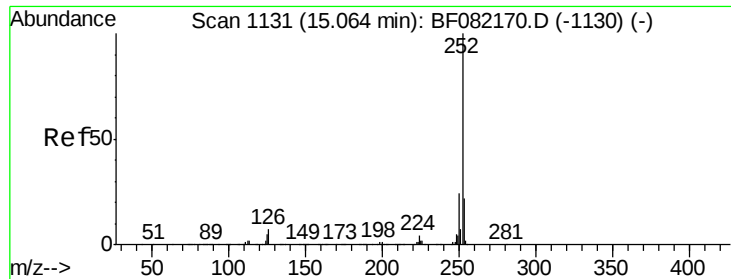
MmDadoda
10/26/2015 7:22:54 PM



#87
Benzo(b)fluoranthene
Concen: 13.14 ng m
RT: 15.06 min Scan# 1131
Delta R.T. -0.14 min
Lab File: BF082506.D
Acq: 24 Oct 2015 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	24.7	18.0	27.0	
125	19.8	8.6	12.8	





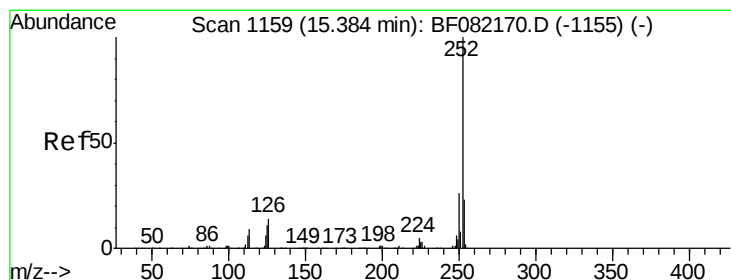
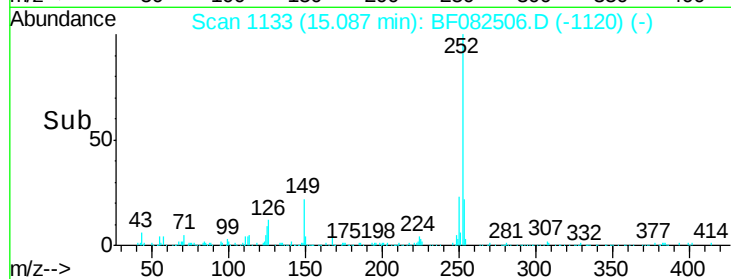
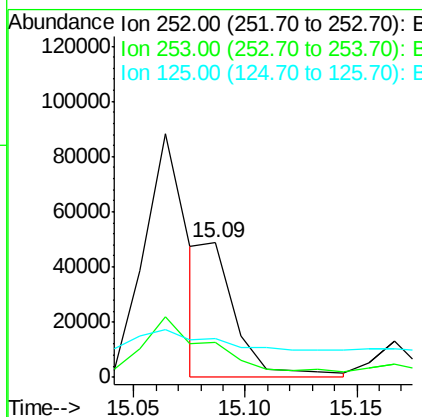
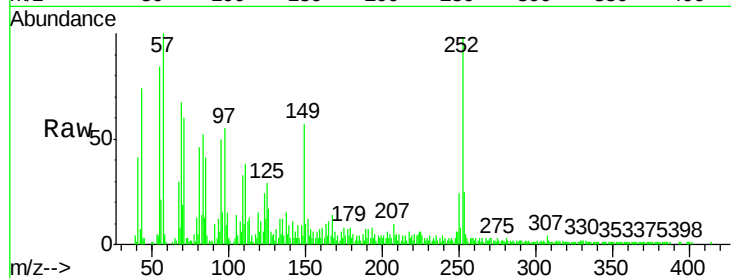
#88
Benzo(k)fluoranthene
Concen: 6.43 ng m
RT: 15.09 min Scan# 1133
Delta R.T. -0.15 min
Lab File: BF082506.D
Acq: 24 Oct 2015 11:33

Instrument :
BNA_F
ClientSampleId :
SB15-45-2.5-3DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.8	26.6
125	29.2	6.7	10.1#

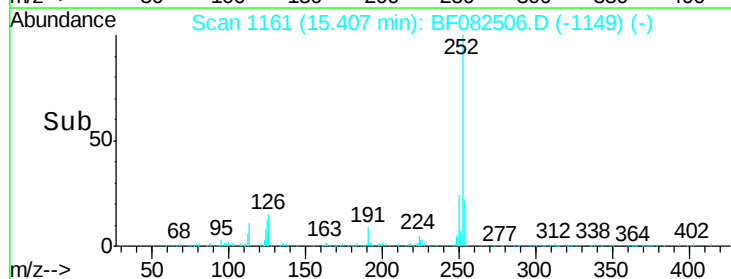
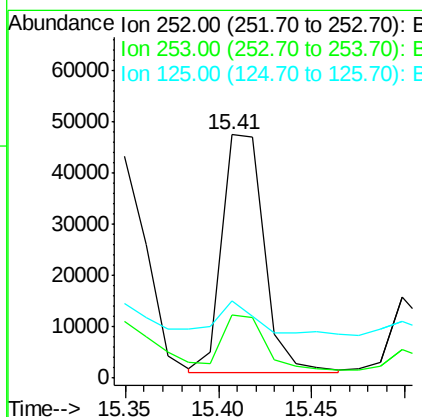
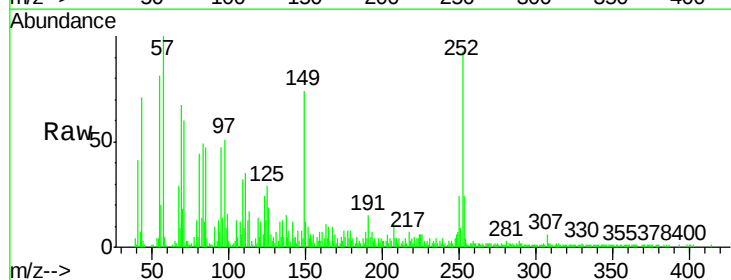
Manual Integrations
APPROVED

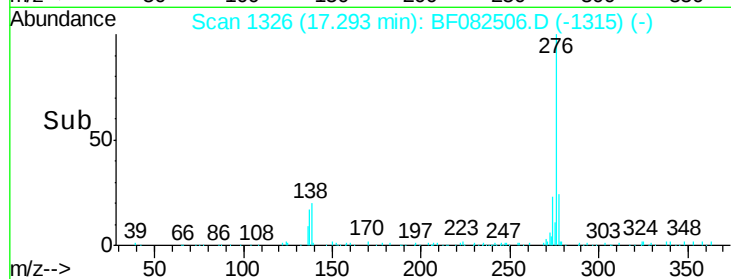
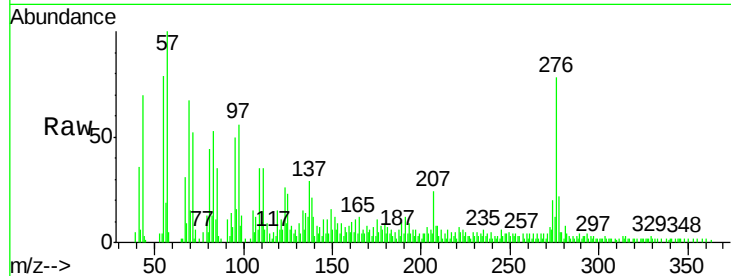
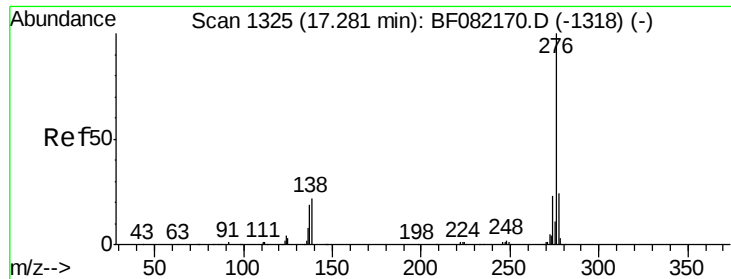
MmDadoda
10/26/2015 7:22:54 PM



#89
Benzo(a)pyrene
Concen: 9.26 ng
RT: 15.41 min Scan# 1161
Delta R.T. -0.16 min
Lab File: BF082506.D
Acq: 24 Oct 2015 11:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.2	27.2
125	31.5	8.9	13.3#





#91

Benzo(g,h,i)perylene

Concen: 5.41 ng

RT: 17.29 min Scan# 1326

Delta R.T. -0.17 min

Lab File: BF082506.D

Acq: 24 Oct 2015 11:33

Instrument :

BNA_F

ClientSampleId :

SB15-45-2.5-3DL

Tgt Ion: 276 Resp: 34257

Ion Ratio Lower Upper

276 100

277 28.0 18.8 28.2

138 26.3 17.4 26.2#

Manual Integrations
APPROVED

MmDadoda
10/26/2015 7:22:54 PM

