

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102315\
 Data File : BF082512.D
 Acq On : 24 Oct 2015 14:26
 Operator : UM/IZ
 Sample : G4117-11
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AB-AC-08(0-2)

Manual Integrations
 APPROVED

MmDadoda
 10/26/2015 7:23:04 PM

Quant Time: Oct 25 01:30:33 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	103090	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	388003	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	169146	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	277827	20.00	ng	0.00
75) Chrysene-d12	13.97	240	249748	20.00	ng	-0.07
86) Perylene-d12	15.48	264	203837	20.00	ng	-0.15
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	620707	121.52	ng	0.01
7) Phenol-d6	6.41	99	765492	115.16	ng	-0.01
23) Nitrobenzene-d5	7.33	82	448202	77.57	ng	-0.01
41) 2,4,6-Tribromophenol	10.59	330	117768	74.24	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	906276	88.85	ng	0.00
78) Terphenyl-d14	12.88	244	571426	60.63	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.52	163	179595	15.08	ng	99
70) Phenanthrene	11.31	178	58631	4.31	ng	97
74) Fluoranthene	12.50	202	68580	4.69	ng	99
77) Pyrene	12.73	202	68759	4.64	ng	98
80) Benzo(a)anthracene	13.96	228	36610	2.82	ng	99
82) Chrysene	14.00	228	34062	2.49	ng	97
87) Benzo(b)fluoranthene	15.06	252	33336m	2.69	ng	
89) Benzo(a)pyrene	15.42	252	21977	2.06	ng	# 97

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

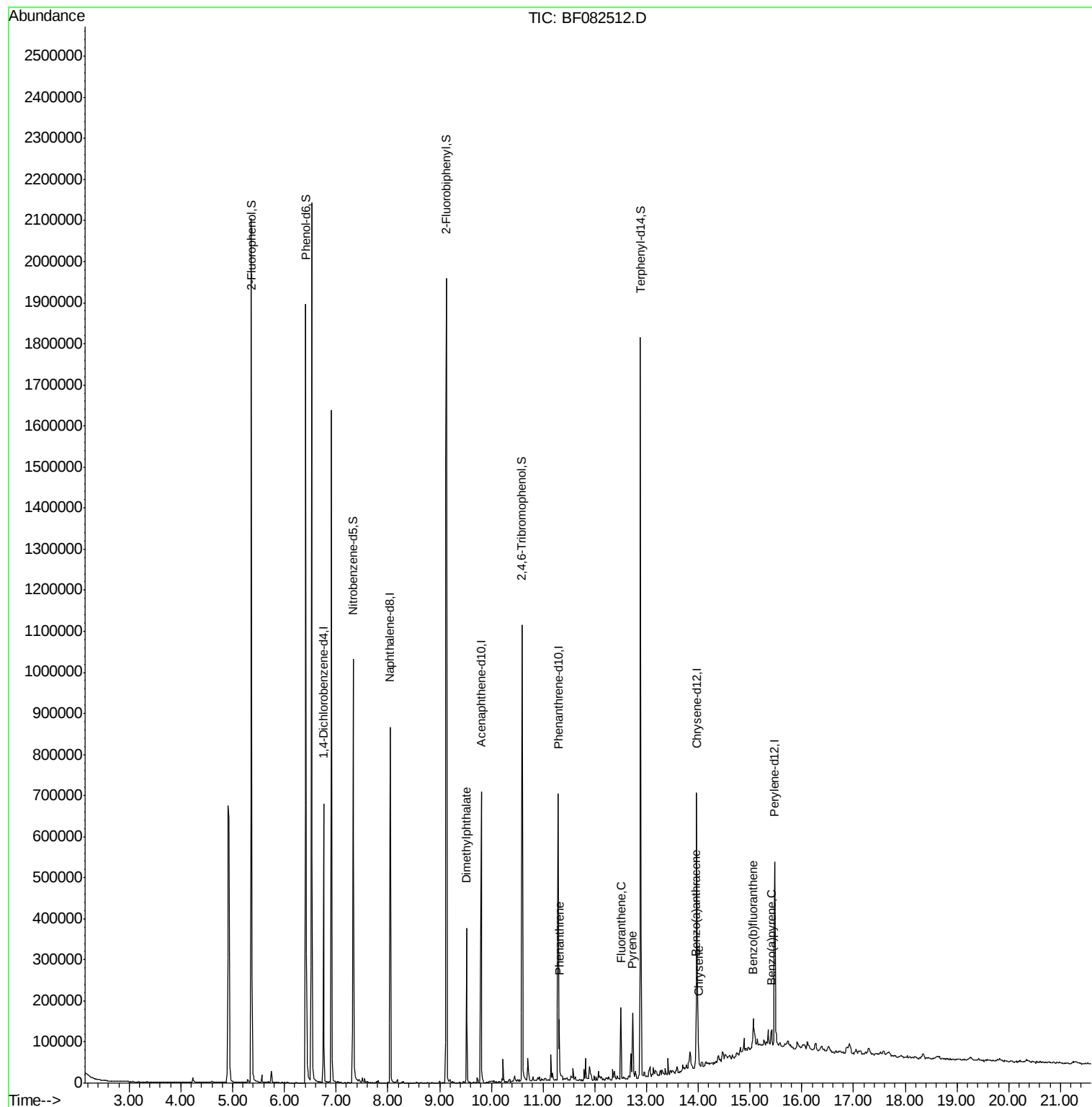
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102315\
Data File : BF082512.D
Acq On : 24 Oct 2015 14:26
Operator : UM/IZ
Sample : G4117-11
Misc :
ALS Vial : 41 Sample Multiplier: 1

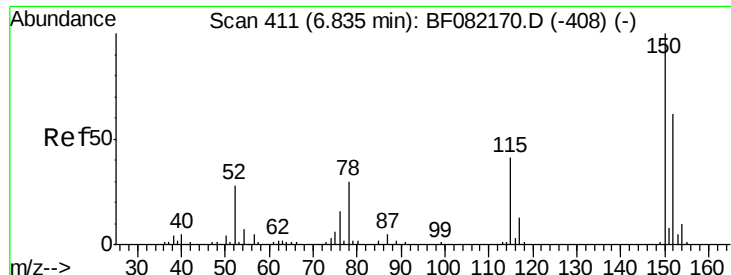
Instrument :
BNA_F
ClientSampleId :
AB-AC-08(0-2)

Manual Integrations
APPROVED

MmDadoda
10/26/2015 7:23:04 PM

Quant Time: Oct 25 01:30:33 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

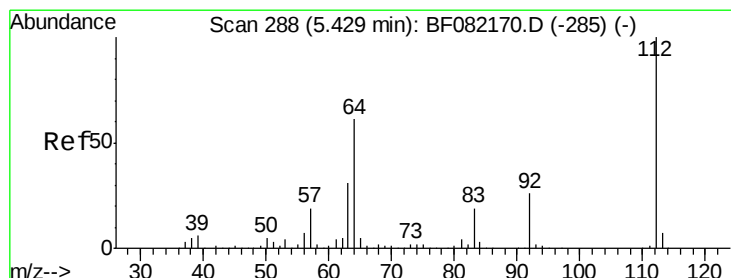
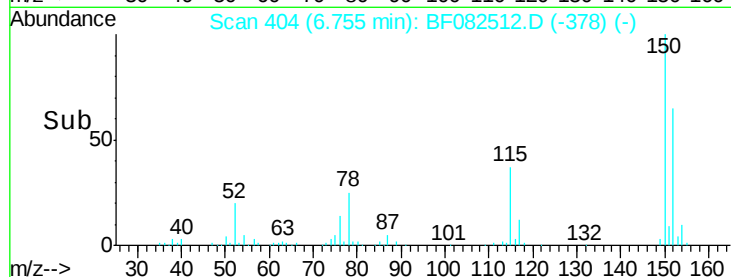
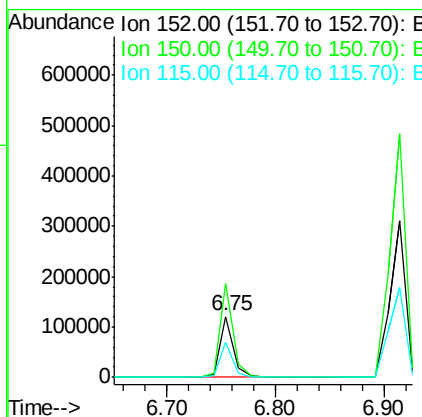
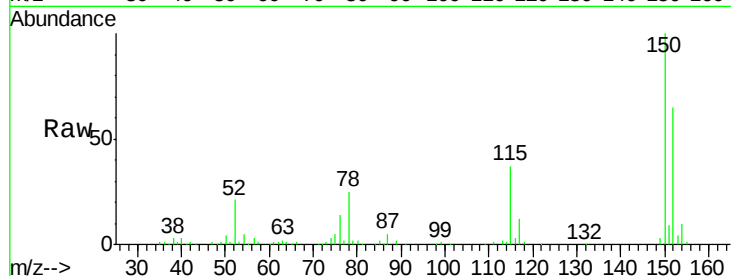
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.75 min Scan# 404
Delta R.T. 0.00 min
Lab File: BF082512.D
Acq: 24 Oct 2015 14:26

Instrument :
BNA_F
ClientSampleId :
AB-AC-08(0-2)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.7	129.0	193.4
115	56.6	52.1	78.1

Manual Integrations
APPROVED

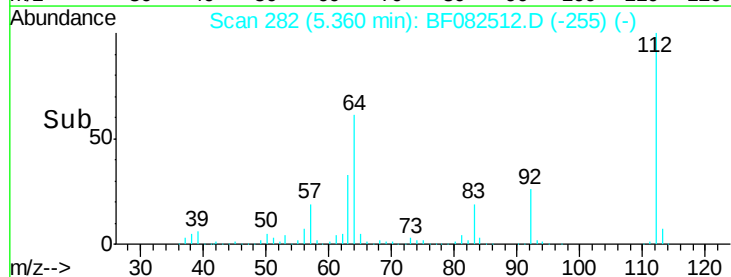
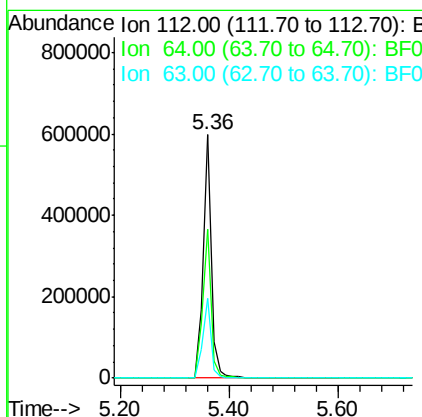
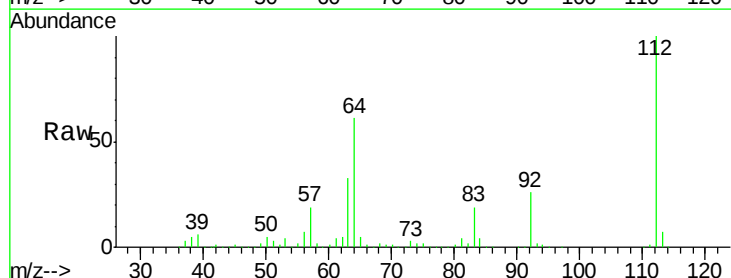
MmDadoda
10/26/2015 7:23:04 PM

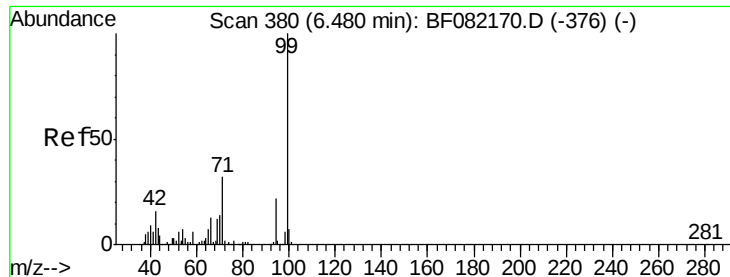


#5

2-Fluorophenol
Concen: 121.52 ng
RT: 5.36 min Scan# 282
Delta R.T. 0.01 min
Lab File: BF082512.D
Acq: 24 Oct 2015 14:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.1	48.6	73.0
63	32.7	25.1	37.7





#7

Phenol-d6

Concen: 115.16 ng

RT: 6.41 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF082512.D

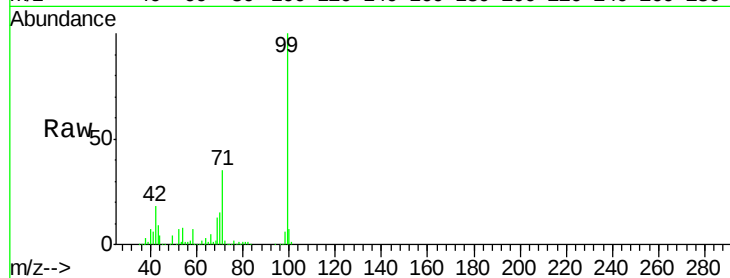
Acq: 24 Oct 2015 14:26

Instrument :

BNA_F

ClientSampleId :

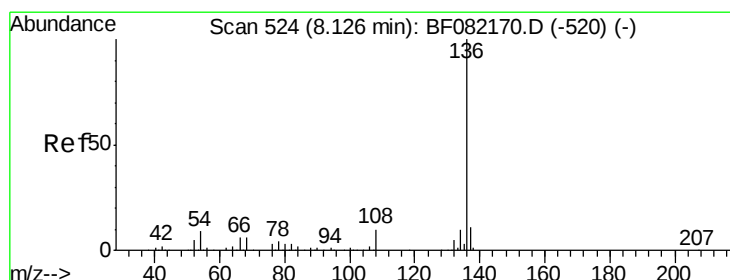
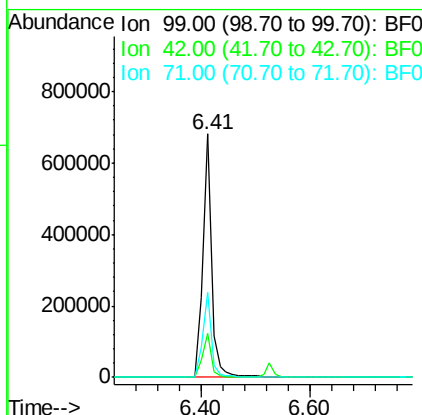
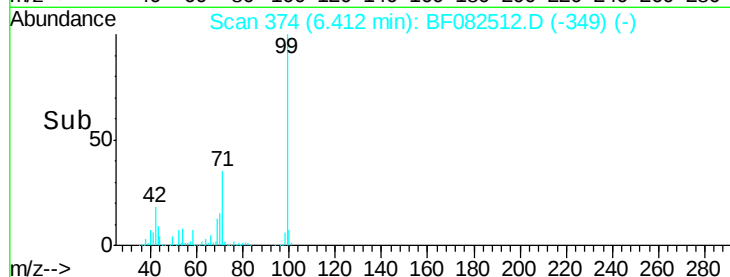
AB-AC-08(0-2)



Tgt Ion:	99	Resp:	765492
Ion Ratio	Lower	Upper	
99	100		
42	18.0	13.2	19.8
71	35.0	25.6	38.4

Manual Integrations
APPROVED

MmDadoda
10/26/2015 7:23:04 PM



#21

Naphthalene-d8

Concen: 20.00 ng

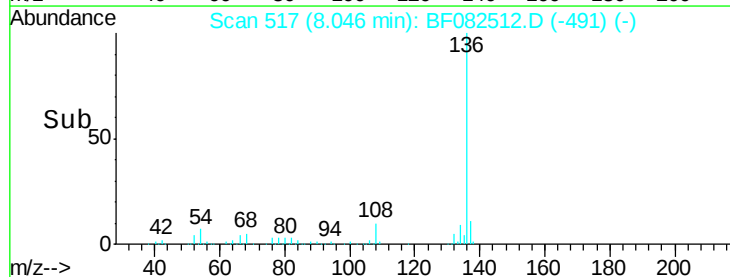
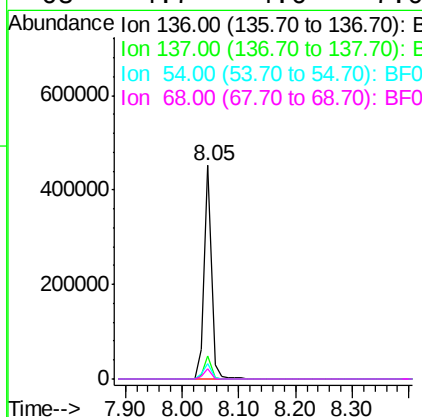
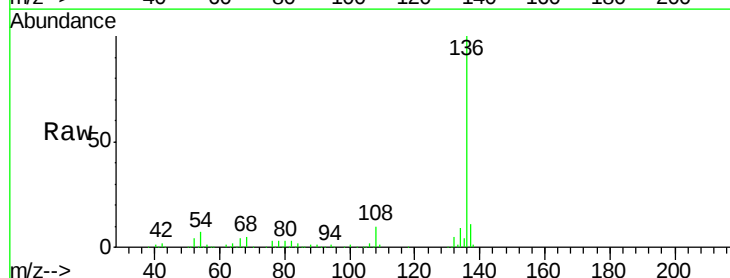
RT: 8.05 min Scan# 517

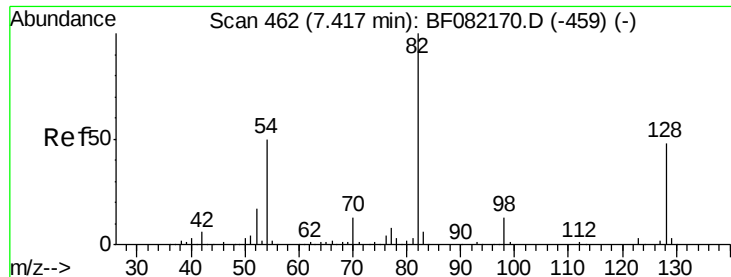
Delta R.T. 0.00 min

Lab File: BF082512.D

Acq: 24 Oct 2015 14:26

Tgt Ion:	136	Resp:	388003
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.0	13.6
54	7.1	7.5	11.3#
68	4.7	4.6	7.0





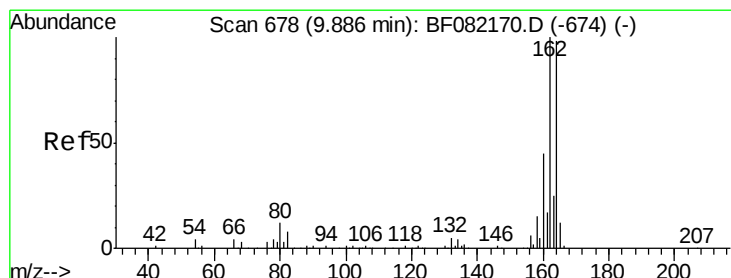
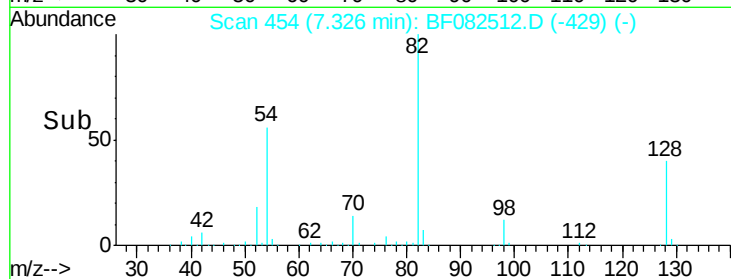
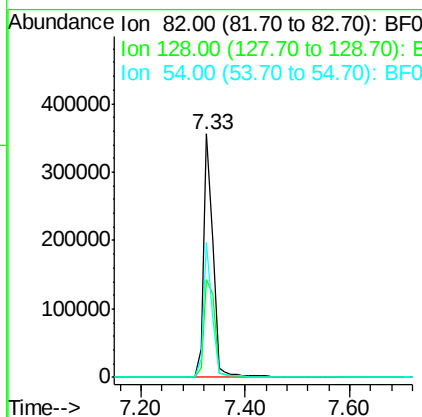
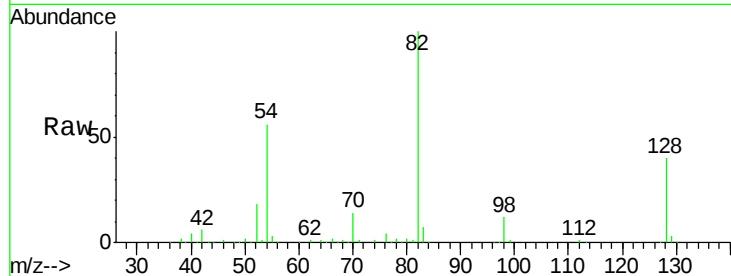
#23
Nitrobenzene-d5
Concen: 77.57 ng
RT: 7.33 min Scan# 454
Delta R.T. -0.01 min
Lab File: BF082512.D
Acq: 24 Oct 2015 14:26

Instrument :
BNA_F
ClientSampleId :
AB-AC-08(0-2)

Tgt Ion	Ratio	Lower	Upper
82	100		
128	40.0	38.7	58.1
54	55.5	40.1	60.1

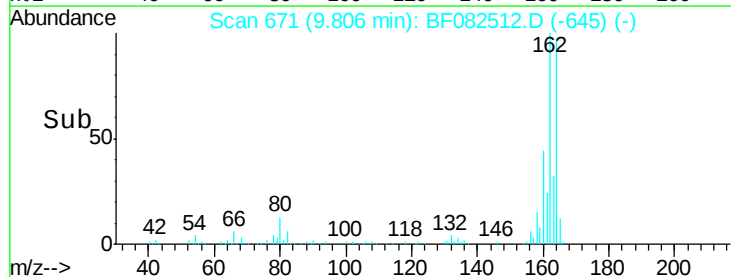
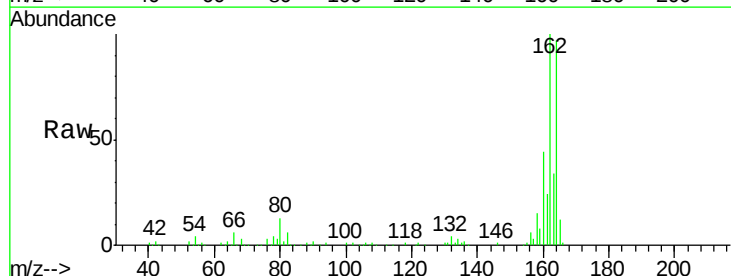
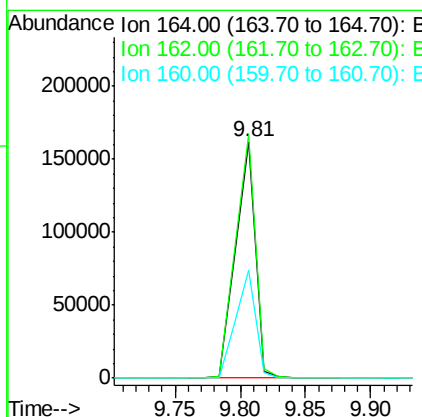
Manual Integrations
APPROVED

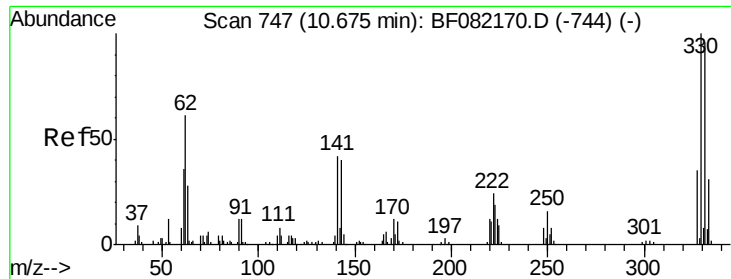
MmDadoda
10/26/2015 7:23:04 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.81 min Scan# 671
Delta R.T. 0.00 min
Lab File: BF082512.D
Acq: 24 Oct 2015 14:26

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.2	81.6	122.4
160	45.8	36.4	54.6





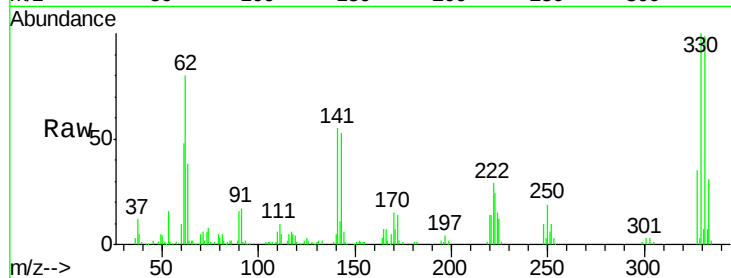
#41
 2,4,6-Tribromophenol
 Concen: 74.24 ng
 RT: 10.59 min Scan# 740
 Delta R.T. -0.01 min
 Lab File: BF082512.D
 Acq: 24 Oct 2015 14:26

Instrument :
 BNA_F
 ClientSampleId :
 AB-AC-08(0-2)

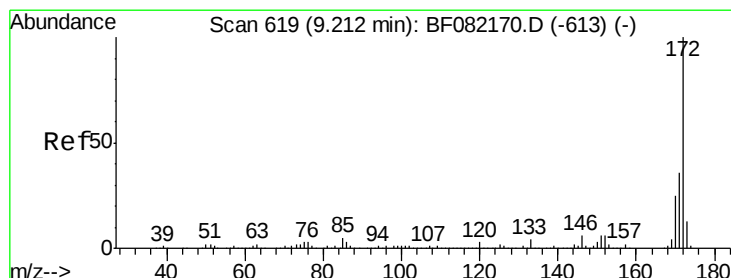
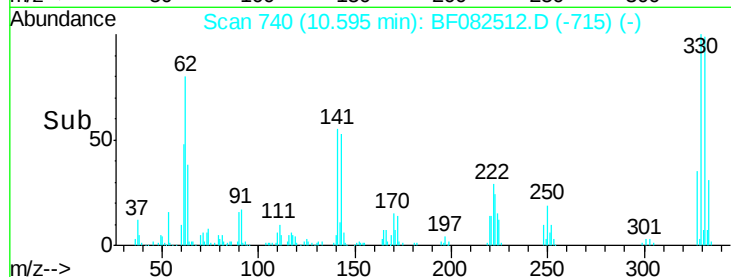
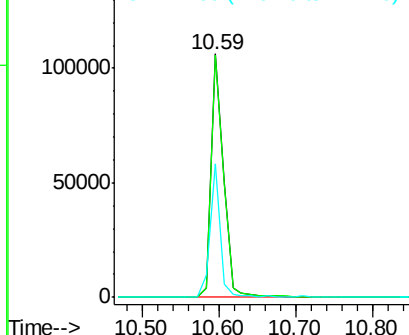
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	117768		
332	99.1	77.1	115.7	
141	45.5	29.8	44.8#	

Manual Integrations
 APPROVED

MmDadoda
 10/26/2015 7:23:04 PM

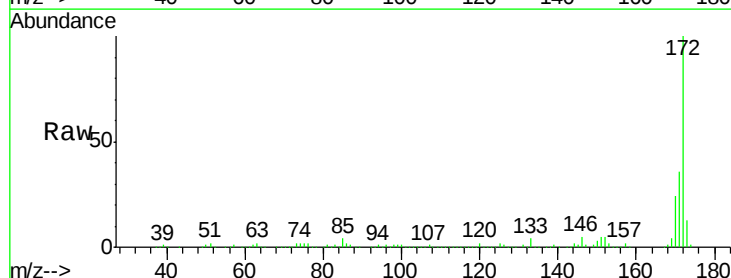


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

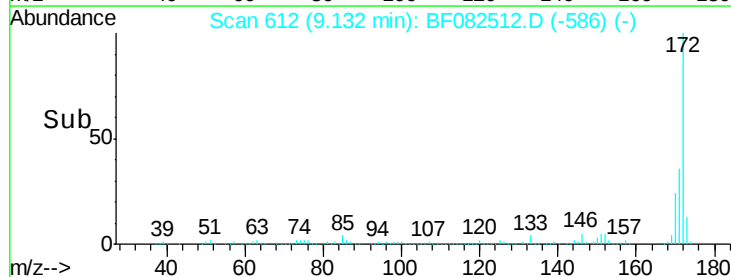
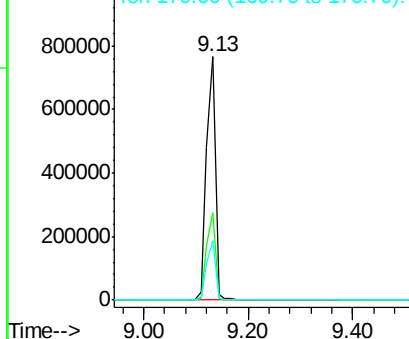


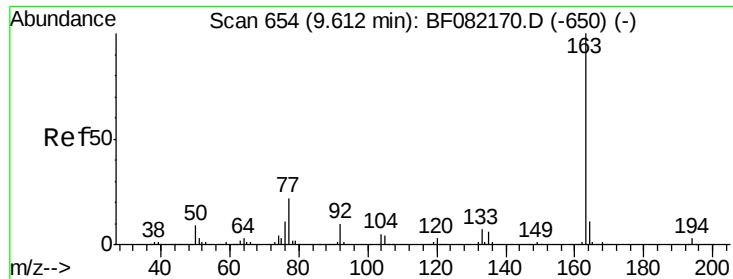
#44
 2-Fluorobiphenyl
 Concen: 88.85 ng
 RT: 9.13 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: BF082512.D
 Acq: 24 Oct 2015 14:26

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	906276		
171	35.8	28.6	42.8	
170	24.2	19.7	29.5	



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





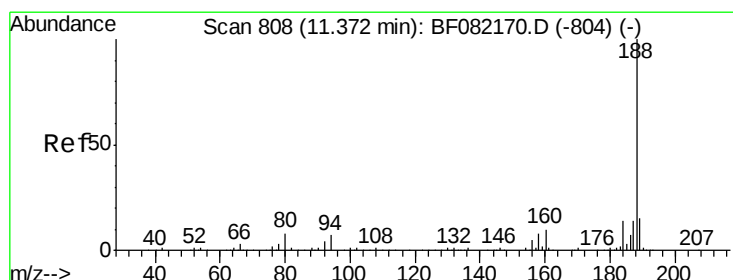
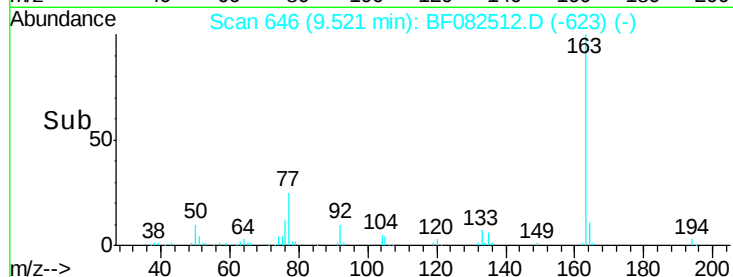
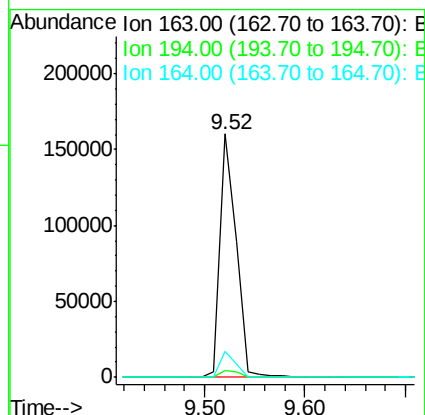
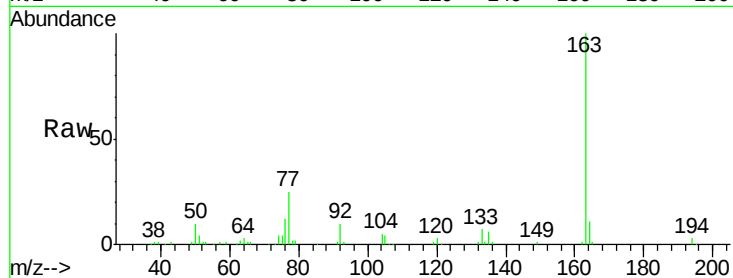
#49
Dimethylphthalate
Concen: 15.08 ng
RT: 9.52 min Scan# 646
Delta R.T. -0.03 min
Lab File: BF082512.D
Acq: 24 Oct 2015 14:26

Instrument :
BNA_F
ClientSampleId :
AB-AC-08(0-2)

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	179595		
194	2.8	2.6	4.0	
164	10.7	8.5	12.7	

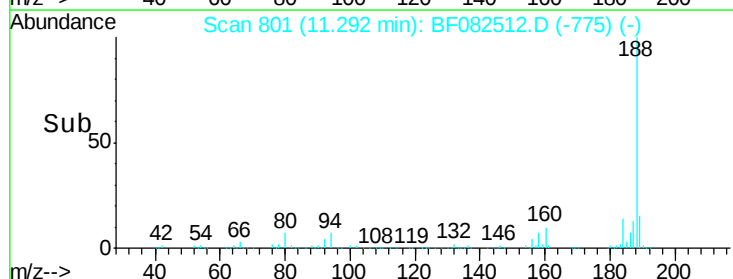
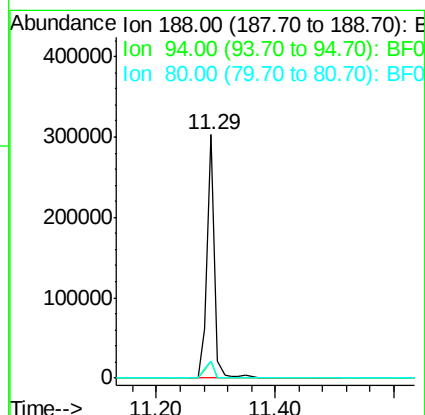
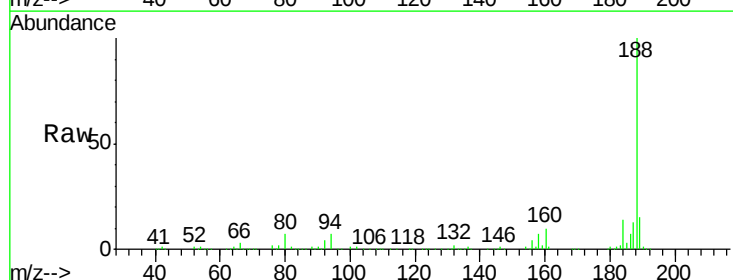
Manual Integrations
APPROVED

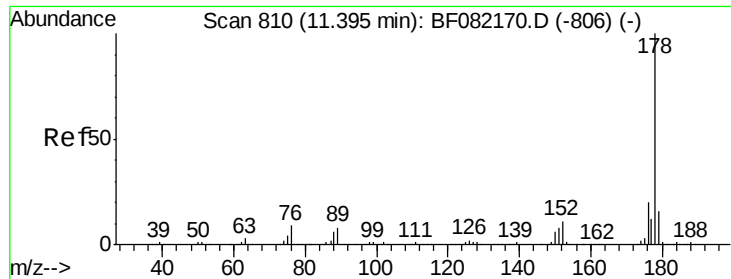
MmDadoda
10/26/2015 7:23:04 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 801
Delta R.T. 0.00 min
Lab File: BF082512.D
Acq: 24 Oct 2015 14:26

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	277827		
94	6.9	5.8	8.6	
80	7.2	6.4	9.6	





#70

Phenanthrene

Concen: 4.31 ng

RT: 11.31 min Scan# 803

Delta R.T. -0.01 min

Lab File: BF082512.D

Acq: 24 Oct 2015 14:26

Instrument :

BNA_F

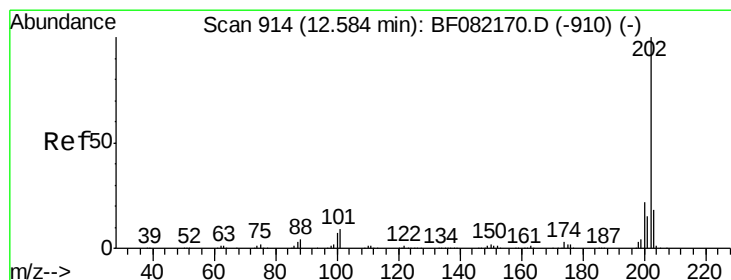
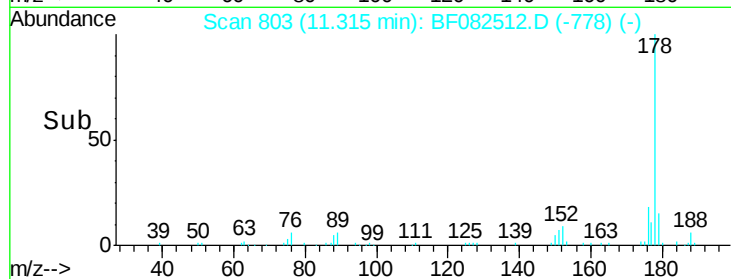
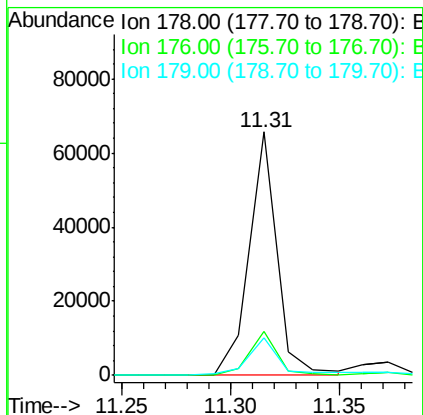
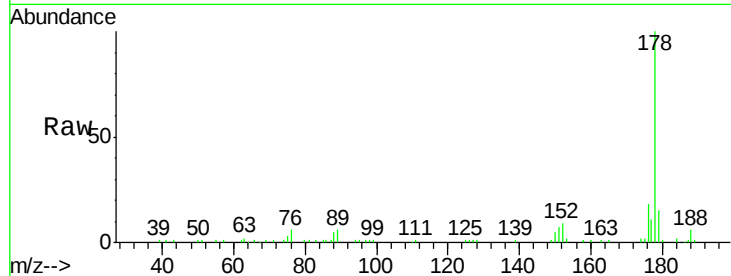
ClientSampleId :

AB-AC-08(0-2)

Tgt Ion:	178	Resp:	58631
Ion Ratio	Lower	Upper	
178	100		
176	18.0	16.0	24.0
179	15.4	12.6	19.0

Manual Integrations
APPROVED

MmDadoda
10/26/2015 7:23:04 PM



#74

Fluoranthene

Concen: 4.69 ng

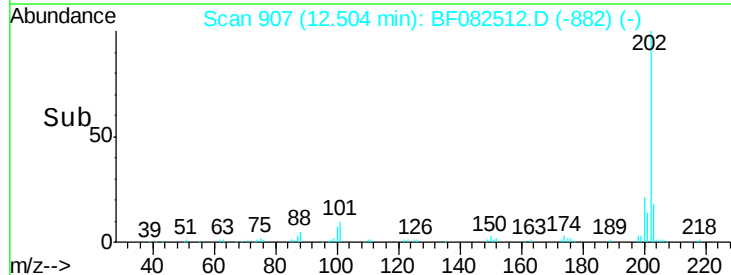
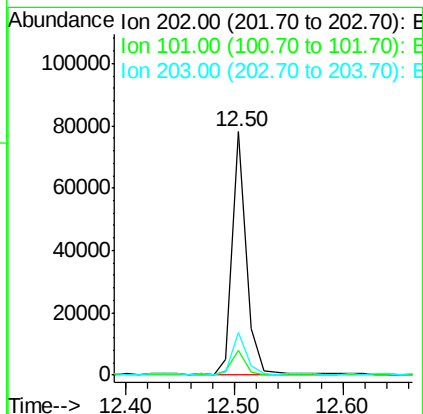
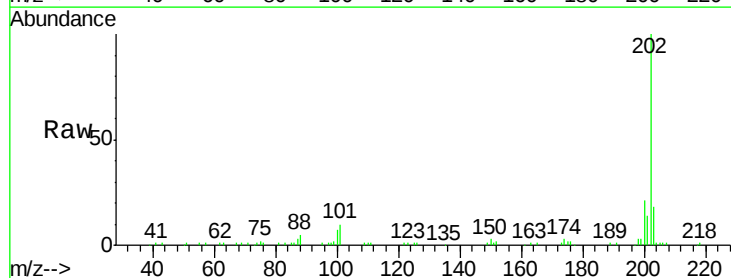
RT: 12.50 min Scan# 907

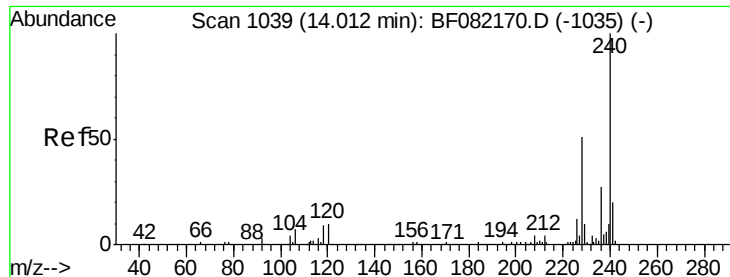
Delta R.T. -0.01 min

Lab File: BF082512.D

Acq: 24 Oct 2015 14:26

Tgt Ion:	202	Resp:	68580
Ion Ratio	Lower	Upper	
202	100		
101	10.3	0.0	29.3
203	17.6	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: BF082512.D

Acq: 24 Oct 2015 14:26

Instrument :

BNA_F

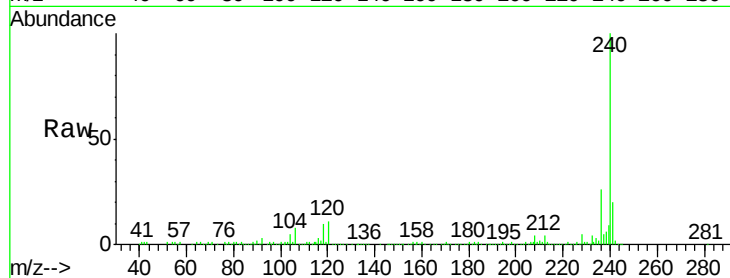
ClientSampleId :

AB-AC-08(0-2)

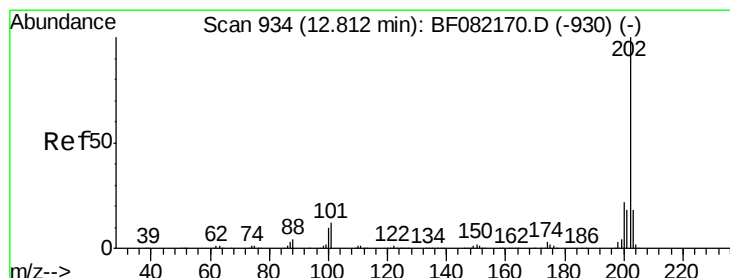
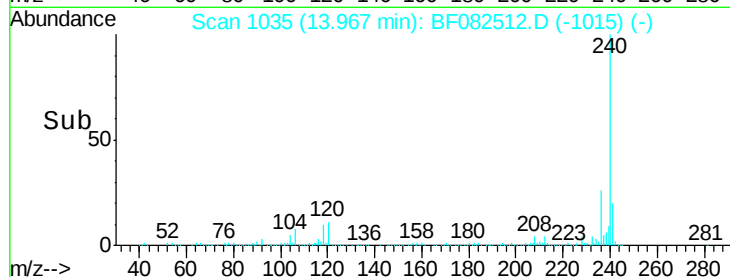
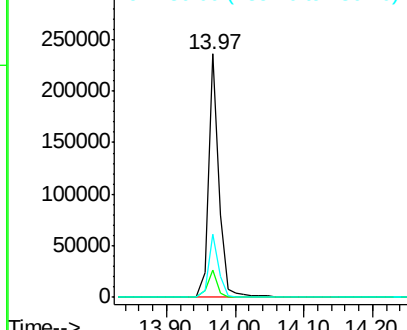
Tgt Ion:	240	Resp:	249748
Ion Ratio	Lower	Upper	
240	100		
120	11.3	8.1	12.1
236	25.7	21.3	31.9

Manual Integrations
APPROVED

MmDadoda
10/26/2015 7:23:04 PM



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 4.64 ng

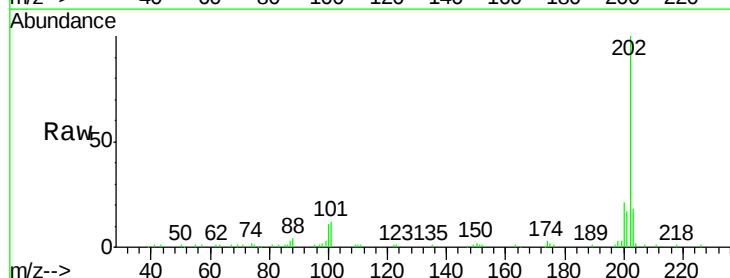
RT: 12.73 min Scan# 927

Delta R.T. -0.01 min

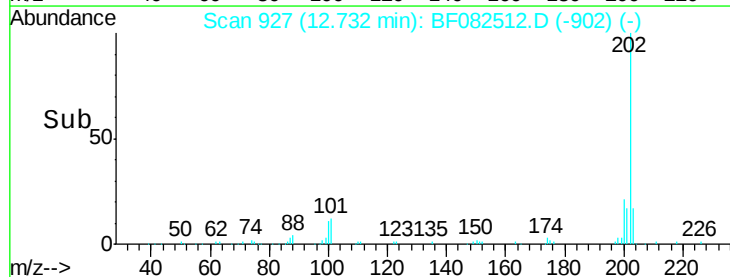
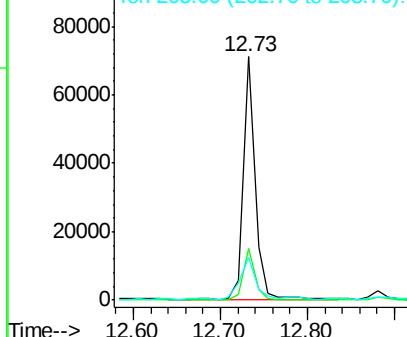
Lab File: BF082512.D

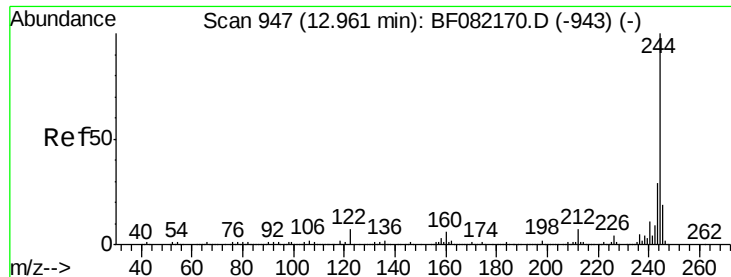
Acq: 24 Oct 2015 14:26

Tgt Ion:	202	Resp:	68759
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.9	26.9
203	17.7	14.5	21.7



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 60.63 ng

RT: 12.88 min Scan# 940

Delta R.T. -0.02 min

Lab File: BF082512.D

Acq: 24 Oct 2015 14:26

Instrument :

BNA_F

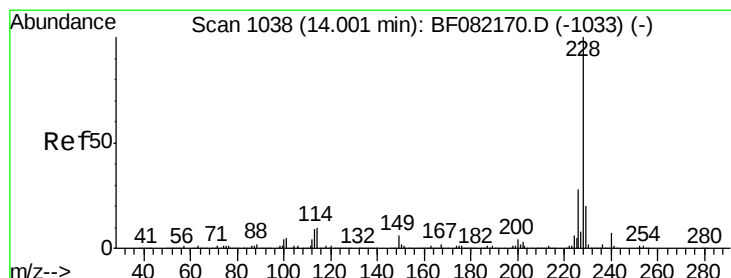
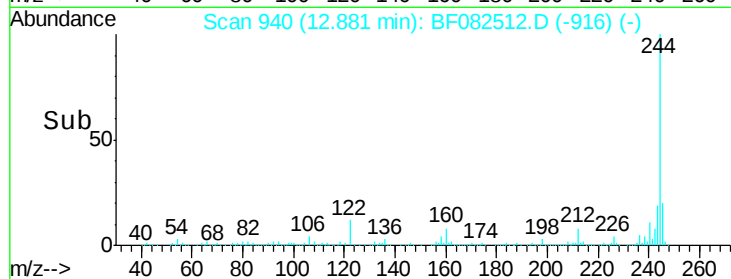
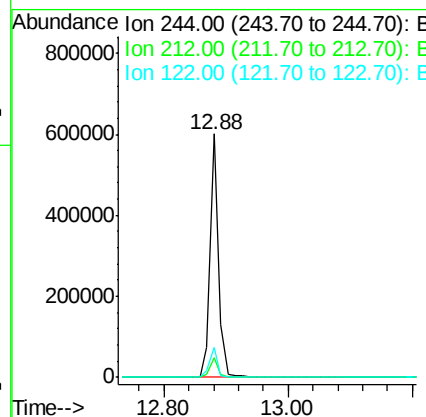
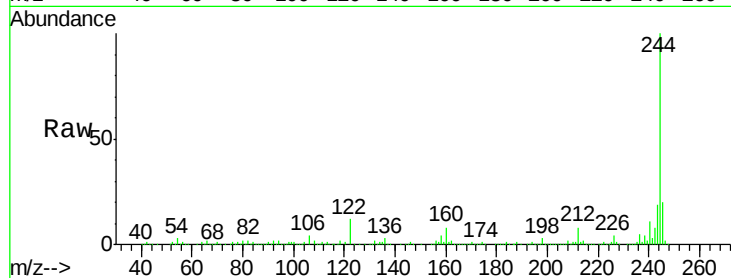
ClientSampleId :

AB-AC-08(0-2)

Tgt Ion:	244	Resp:	571426
Ion Ratio	Lower	Upper	
244	100		
212	8.1	5.8	8.6
122	12.0	5.9	8.9#

Manual Integrations
APPROVED

MmDadoda
10/26/2015 7:23:04 PM



#80

Benzo(a)anthracene

Concen: 2.82 ng

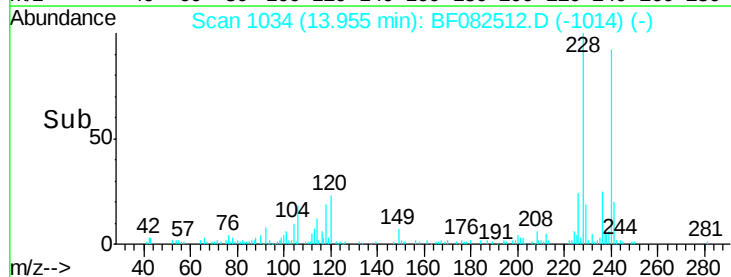
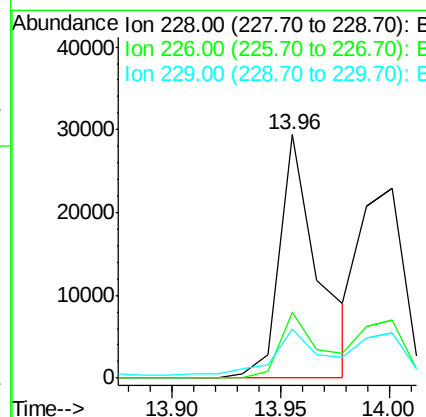
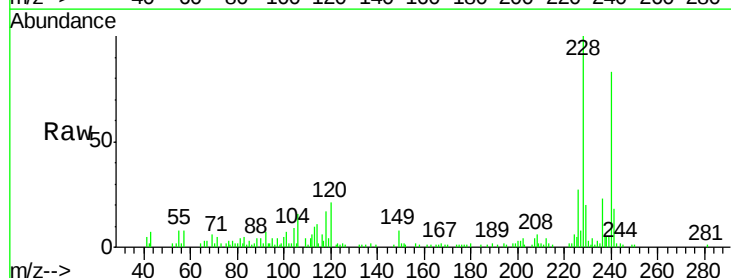
RT: 13.96 min Scan# 1034

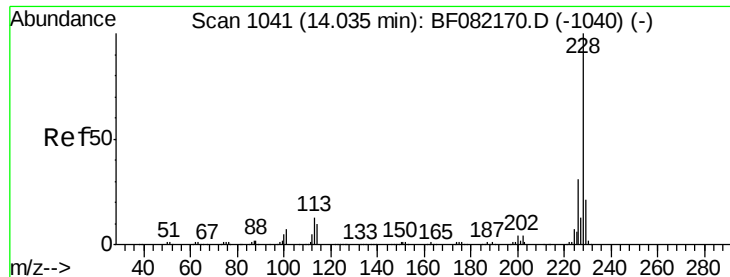
Delta R.T. -0.07 min

Lab File: BF082512.D

Acq: 24 Oct 2015 14:26

Tgt Ion:	228	Resp:	36610
Ion Ratio	Lower	Upper	
228	100		
226	26.8	22.3	33.5
229	20.4	16.2	24.2





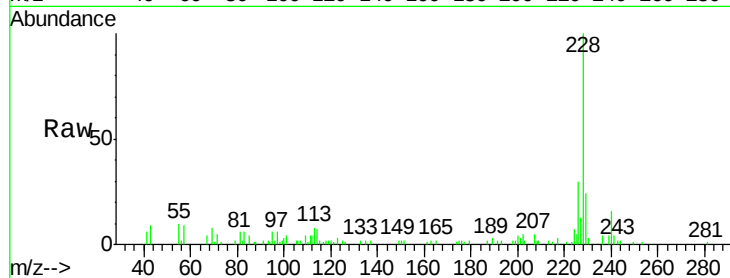
#82
Chrysene
Concen: 2.49 ng
RT: 14.00 min Scan# 1038
Delta R.T. -0.07 min
Lab File: BF082512.D
Acq: 24 Oct 2015 14:26

Instrument :
BNA_F
ClientSampleId :
AB-AC-08(0-2)

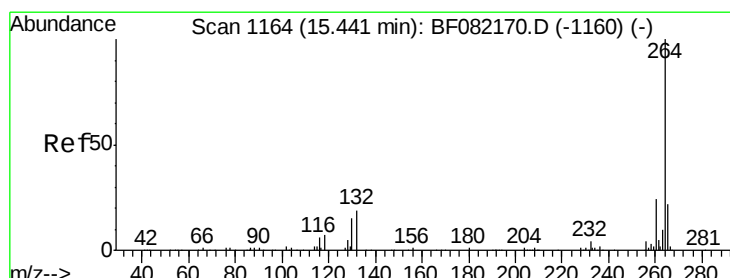
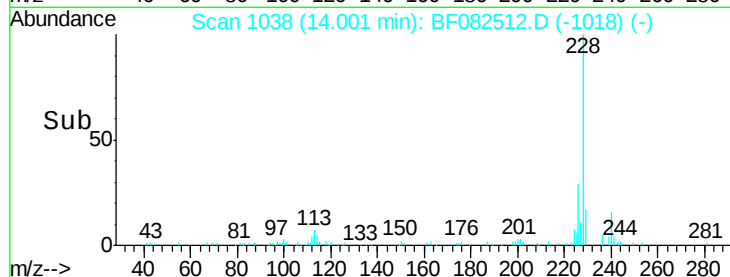
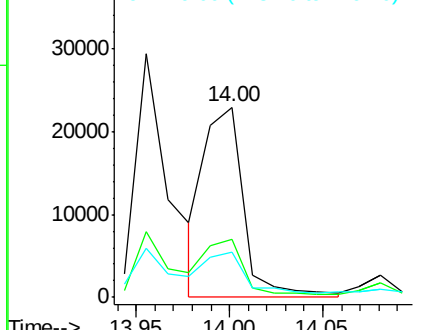
Tgt Ion:	228	Resp:	34062
Ion Ratio	Lower	Upper	
228	100		
226	30.2	24.4	36.6
229	24.1	16.3	24.5

Manual Integrations
APPROVED

MmDadoda
10/26/2015 7:23:04 PM



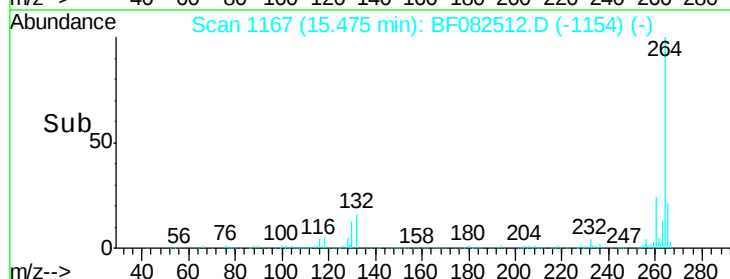
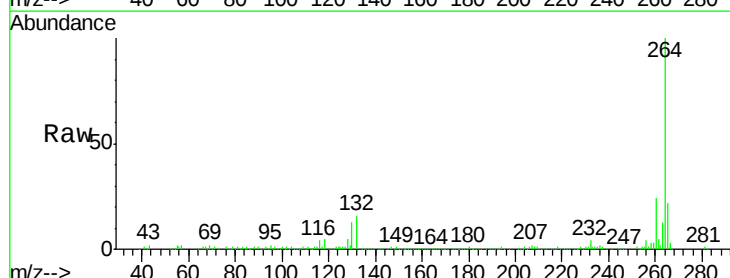
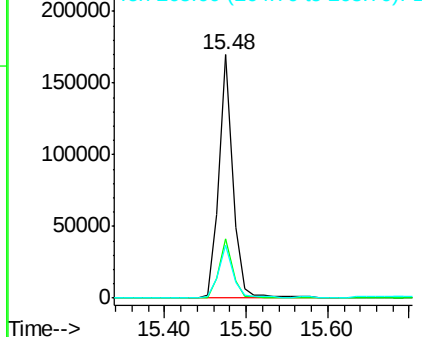
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

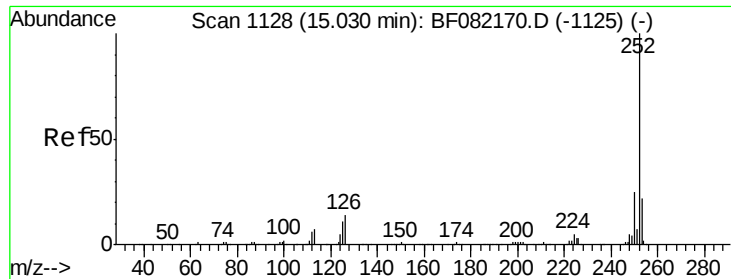


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.48 min Scan# 1167
Delta R.T. -0.15 min
Lab File: BF082512.D
Acq: 24 Oct 2015 14:26

Tgt Ion:	264	Resp:	203837
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.0	28.6
265	21.7	17.3	25.9

Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





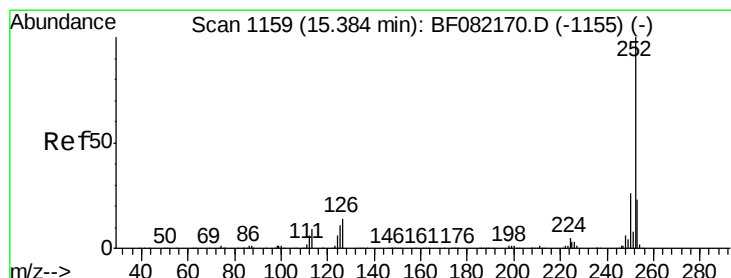
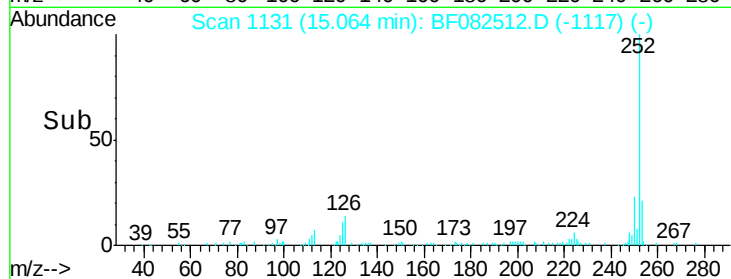
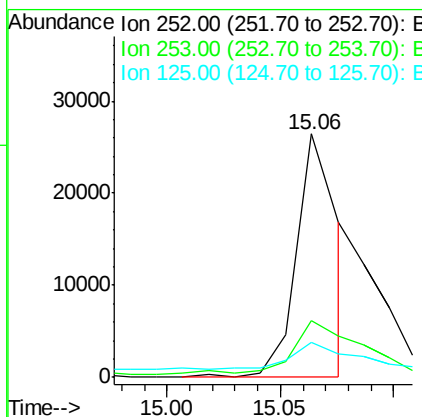
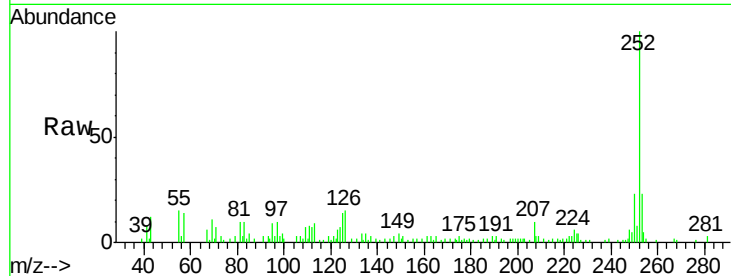
#87
 Benzo(b)fluoranthene
 Concen: 2.69 ng m
 RT: 15.06 min Scan# 1131
 Delta R.T. -0.14 min
 Lab File: BF082512.D
 Acq: 24 Oct 2015 14:26

Instrument :
 BNA_F
 ClientSampleId :
 AB-AC-08(0-2)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.0	27.0
125	14.3	8.6	12.8#

Manual Integrations
 APPROVED

MmDadoda
 10/26/2015 7:23:04 PM



#89
 Benzo(a)pyrene
 Concen: 2.06 ng
 RT: 15.42 min Scan# 1162
 Delta R.T. -0.15 min
 Lab File: BF082512.D
 Acq: 24 Oct 2015 14:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.2
125	13.6	8.9	13.3#

