

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040816\
 Data File : BF086192.D
 Acq On : 9 Apr 2016 2:29
 Operator : UM/SJ
 Sample : H2099-01
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A-1

Manual Integrations
 APPROVED

Sohil
 4/11/2016 5:45:27 PM

Quant Time: Apr 09 05:53:39 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	112210	20.00	ng	-0.03
21) Naphthalene-d8	8.03	136	181673	20.00	ng	-0.03
38) Acenaphthene-d10	9.80	164	129461	20.00	ng	-0.01
63) Phenanthrene-d10	11.28	188	213253	20.00	ng	-0.02
75) Chrysene-d12	13.89	240	259500	20.00	ng	-0.03
86) Perylene-d12	15.29	264	228054	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	760390	115.83	ng	-0.05
7) Phenol-d6	6.38	99	876486	105.11	ng	-0.03
23) Nitrobenzene-d5	7.31	82	518469	168.30	ng	-0.03
41) 2,4,6-Tribromophenol	10.59	330	150426	123.80	ng	-0.01
44) 2-Fluorobiphenyl	9.12	172	636748	81.78	ng	-0.02
78) Terphenyl-d14	12.84	244	533756	48.35	ng	-0.03
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.76	142	501909	84.08	ng	# 93
45) 1,1'-Biphenyl	9.22	154	93794	8.40	ng	94
49) Dimethylphthalate	9.52	163	66418	6.92	ng	# 68
70) Phenanthrene	11.30	178	476903	40.99	ng	# 95
74) Fluoranthene	12.49	202	742855	61.39	ng	88
77) Pyrene	12.70	202	683631	37.38	ng	98
80) Benzo(a)anthracene	13.88	228	470311	30.75	ng	98
82) Chrysene	13.92	228	315635	21.42	ng	97
83) Bis(2-ethylhexyl)phthalate	13.87	149	40295	3.69	ng	# 91
85) Indeno(1,2,3-cd)pyrene	16.63	276	145178	12.14	ng	# 91
87) Benzo(b)fluoranthene	14.90	252	451123m	31.45	ng	
88) Benzo(k)fluoranthene	14.92	252	134753m	10.61	ng	
89) Benzo(a)pyrene	15.23	252	289030	22.74	ng	97
90) Dibenzo(a,h)anthracene	16.63	278	40863	4.00	ng	# 88
91) Benzo(a,h,i)perylene	17.03	276	122315	12.36	ng	96

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

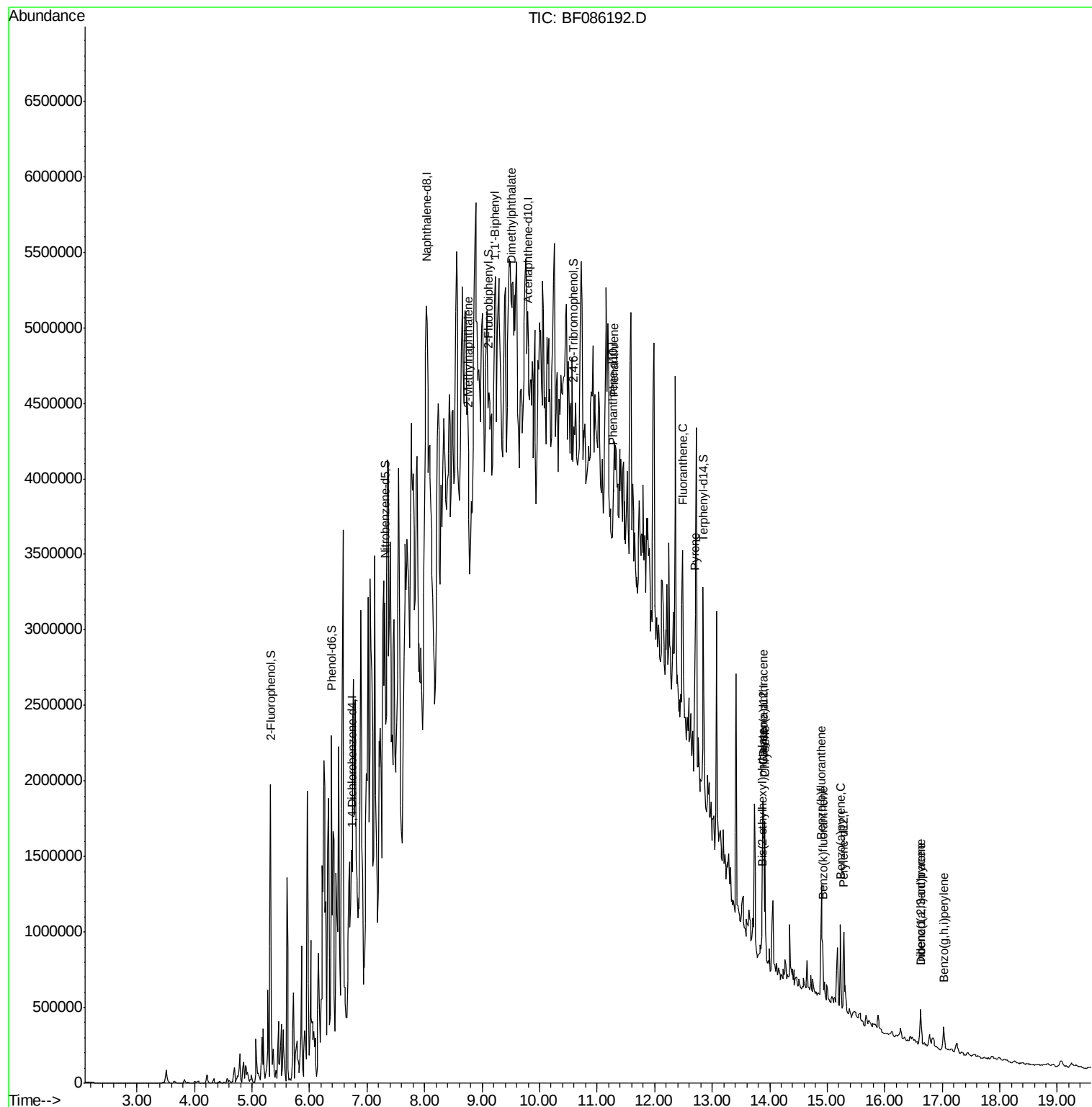
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040816\
Data File : BF086192.D
Acq On : 9 Apr 2016 2:29
Operator : UM/SJ
Sample : H2099-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
A-1

Manual Integrations
APPROVED

Sohil
4/11/2016 5:45:27 PM

Quant Time: Apr 09 05:53:39 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 01 23:17:06 2016
Response via : Initial Calibration





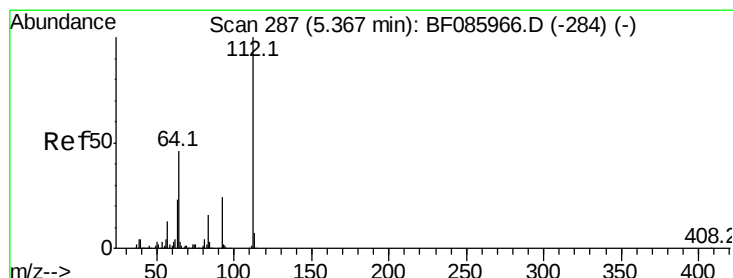
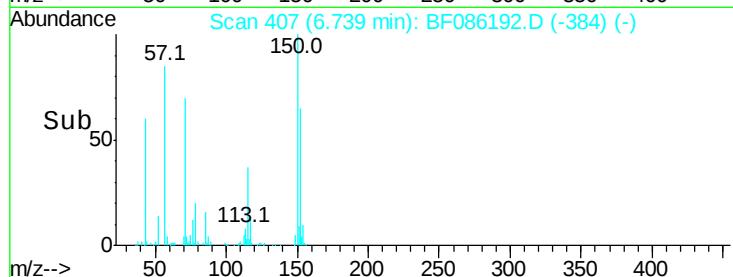
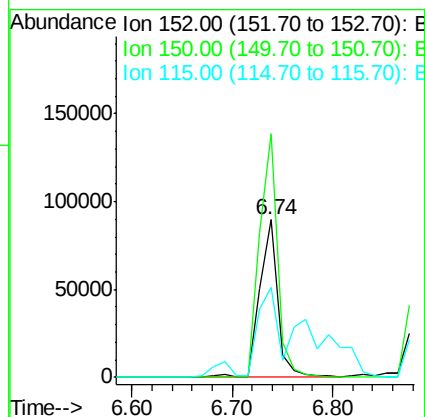
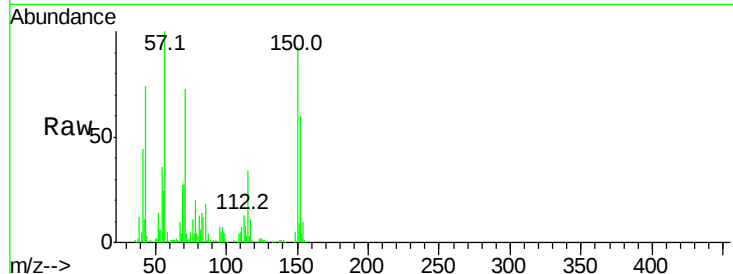
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.74 min Scan# 407
 Delta R.T. -0.03 min
 Lab File: BF086192.D
 Acq: 9 Apr 2016 2:29

Instrument :
 BNA_F
 ClientSampleId :
 A-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	124.2	186.2
115	56.7	47.0	70.6

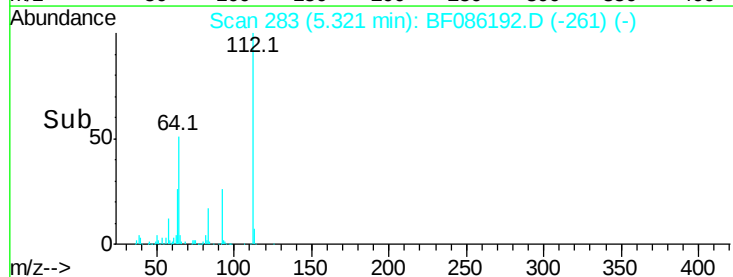
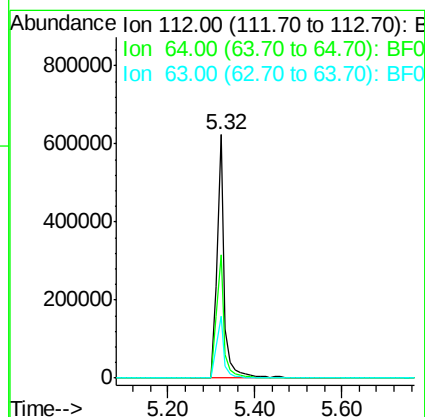
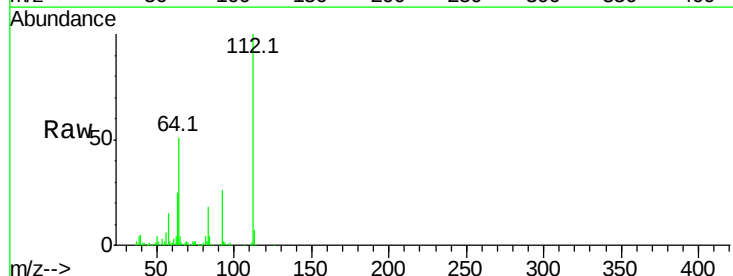
Manual Integrations
 APPROVED

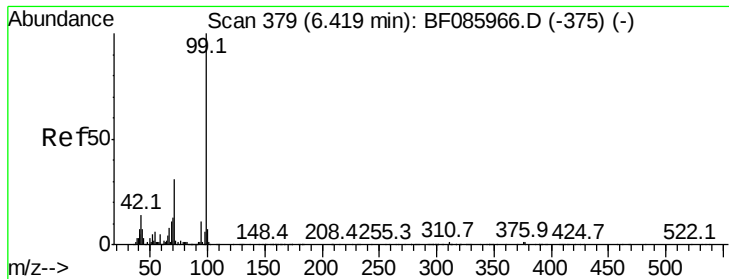
Sohil
 4/11/2016 5:45:27 PM



#5
 2-Fluorophenol
 Concen: 115.83 ng
 RT: 5.32 min Scan# 283
 Delta R.T. -0.05 min
 Lab File: BF086192.D
 Acq: 9 Apr 2016 2:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.6	39.9	59.9
63	25.5	20.2	30.2





#7

Phenol-d6

Concen: 105.11 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.03 min

Lab File: BF086192.D

Acq: 9 Apr 2016 2:29

Instrument :

BNA_F

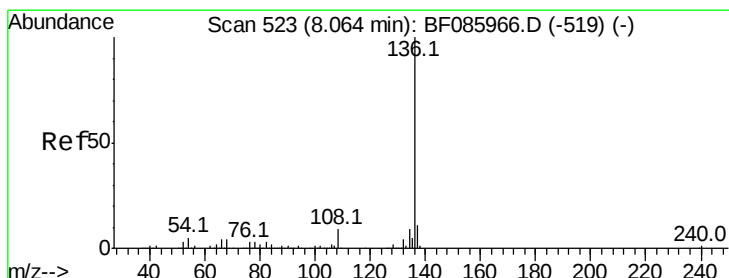
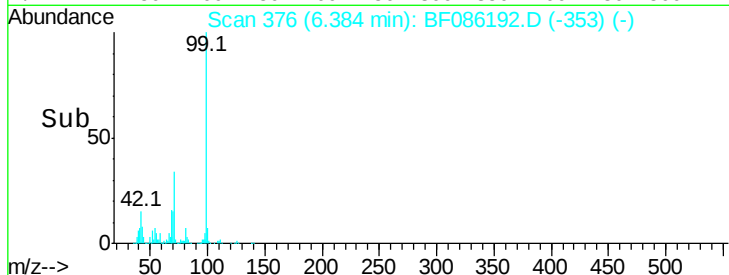
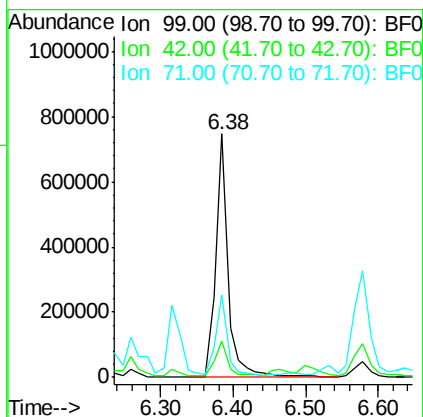
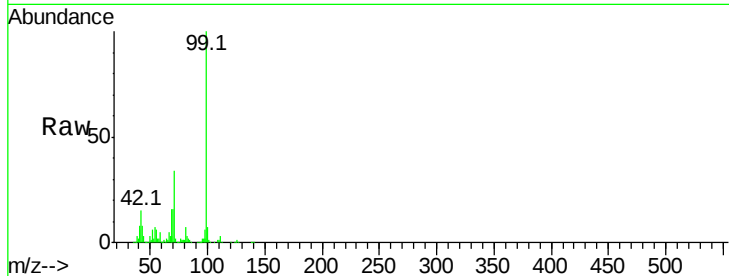
ClientSampleId :

A-1

Tot Ion:	99	Resp:	876486
Ion Ratio	Lower	Upper	
99	100		
42	15.1	11.1	16.7
71	33.7	24.9	37.3

Manual Integrations
APPROVED

Sohil
4/11/2016 5:45:27 PM



#21

Naphthalene-d8

Concen: 20.00 ng

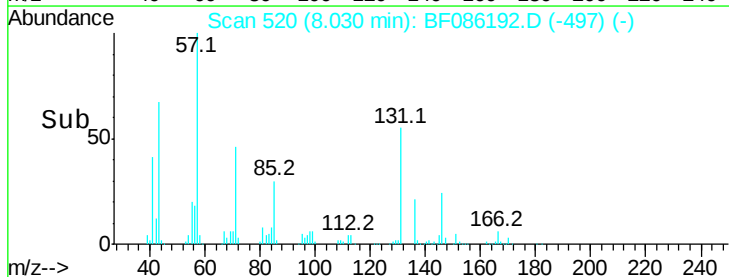
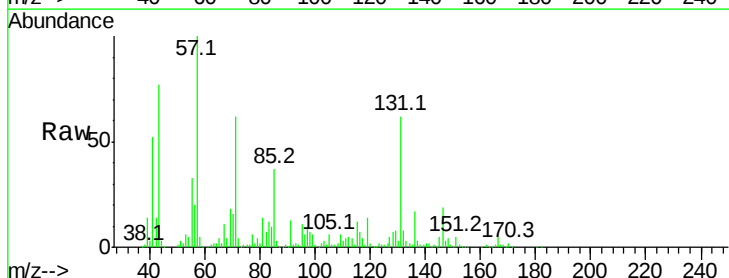
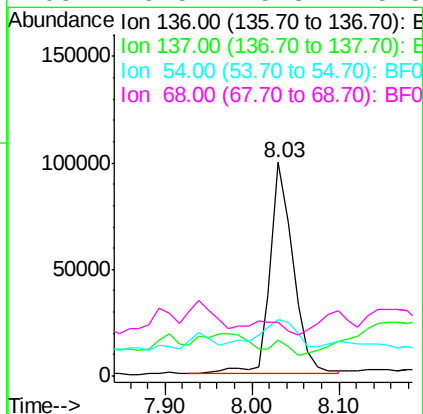
RT: 8.03 min Scan# 520

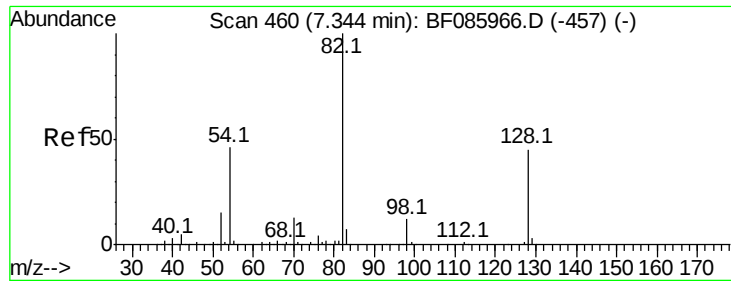
Delta R.T. -0.03 min

Lab File: BF086192.D

Acq: 9 Apr 2016 2:29

Tgt Ion:	136	Resp:	181673
Ion Ratio	Lower	Upper	
136	100		
137	17.0	9.1	13.7#
54	26.4	7.4	11.0#
68	25.5	5.8	8.8#





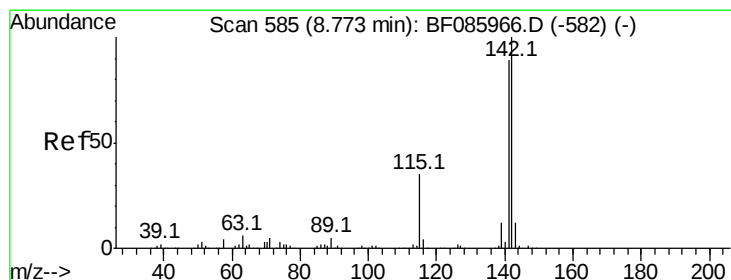
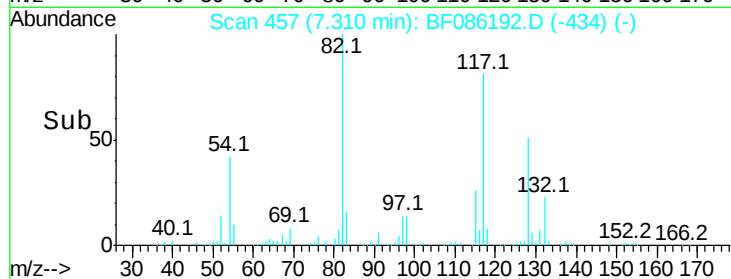
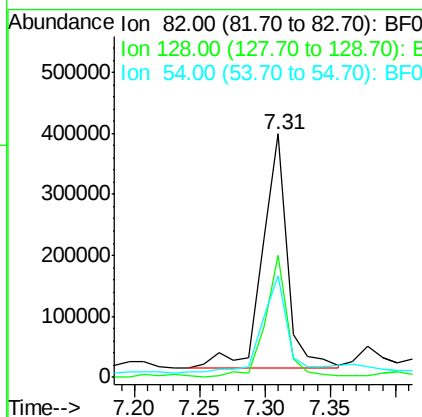
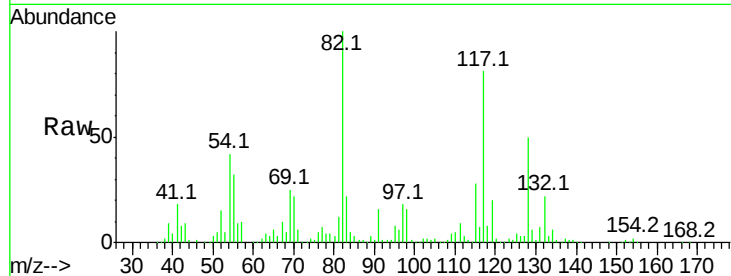
#23
 Nitrobenzene-d5
 Concen: 168.30 ng
 RT: 7.31 min Scan# 457
 Delta R.T. -0.03 min
 Lab File: BF086192.D
 Acq: 9 Apr 2016 2:29

Instrument :
 BNA_F
 ClientSampled :
 A-1

Tot Ion	82	Resp	518469
Ion Ratio	100	Lower	Upper
82	100		
128	49.9	41.8	62.8
54	41.9	33.4	50.0

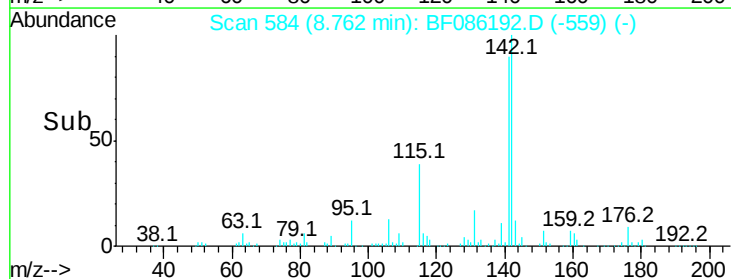
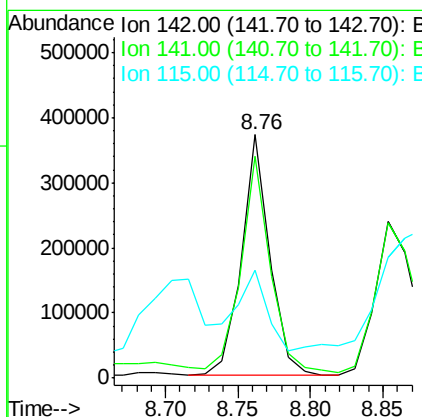
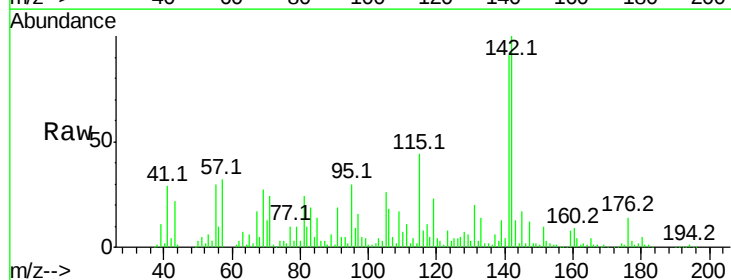
Manual Integrations
 APPROVED

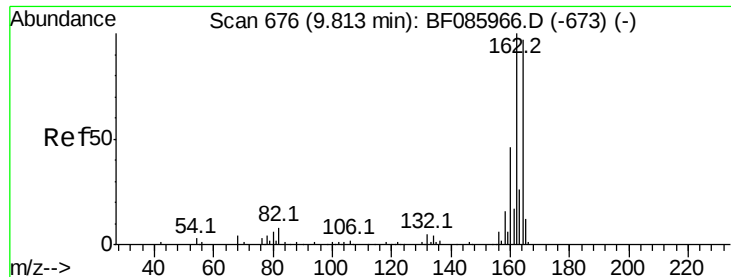
Sohil
 4/11/2016 5:45:27 PM



#37
 2-Methylnaphthalene
 Concen: 84.08 ng
 RT: 8.76 min Scan# 584
 Delta R.T. -0.01 min
 Lab File: BF086192.D
 Acq: 9 Apr 2016 2:29

Tgt Ion	142	Resp	501909
Ion Ratio	100	Lower	Upper
142	100		
141	91.2	71.6	107.4
115	44.5	26.8	40.2#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.01 min

Lab File: BF086192.D

Acq: 9 Apr 2016 2:29

Instrument :

BNA_F

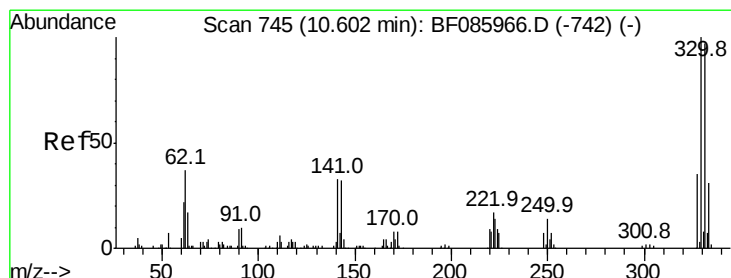
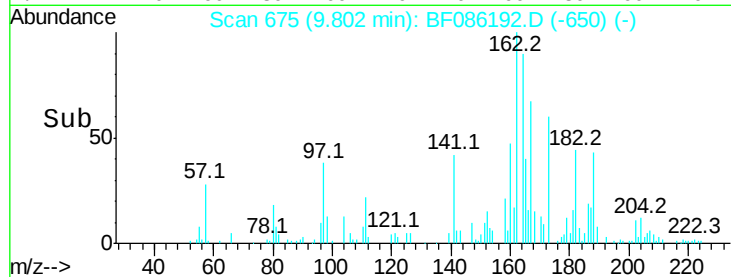
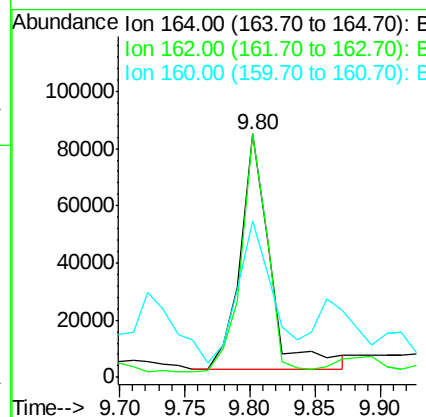
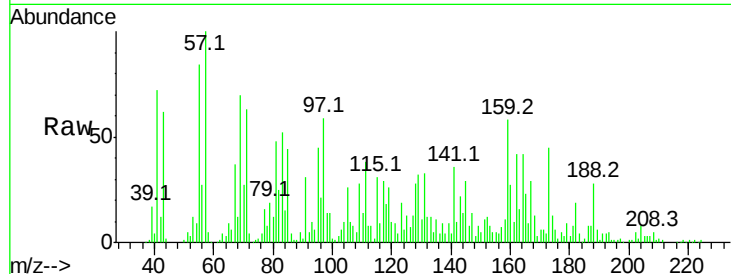
ClientSampled :

A-1

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	99.9	82.1	123.1	
160	64.5	37.4	56.2	

Manual Integrations
APPROVED

Sohil
4/11/2016 5:45:27 PM



#41

2,4,6-Tribromophenol

Concen: 123.80 ng

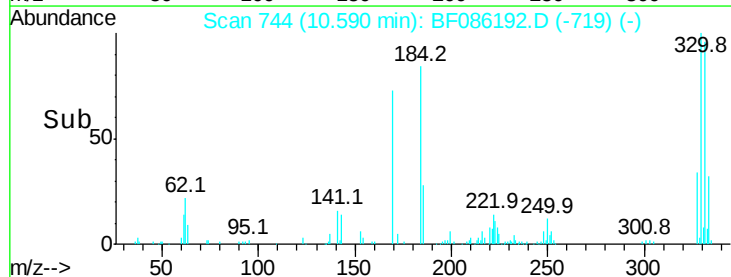
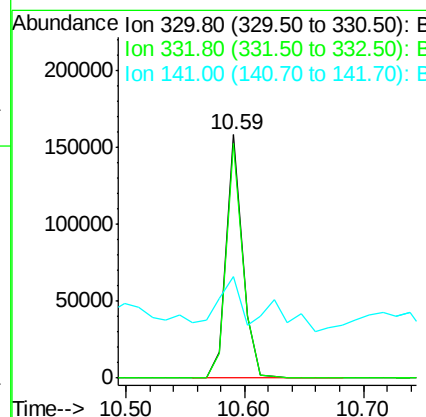
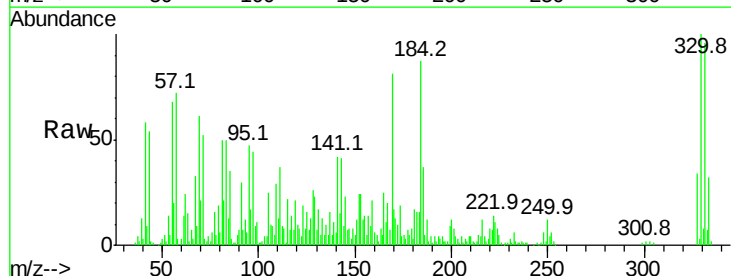
RT: 10.59 min Scan# 744

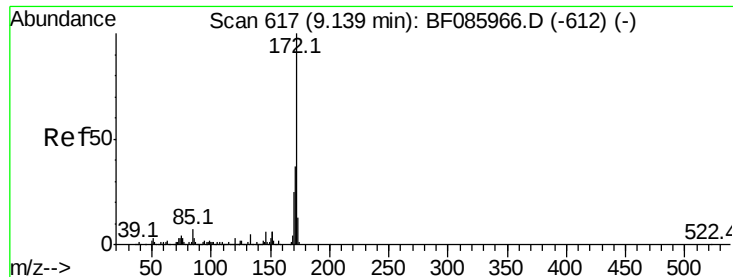
Delta R.T. -0.01 min

Lab File: BF086192.D

Acq: 9 Apr 2016 2:29

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.8	78.2	117.2	
141	28.8	31.5	47.3	





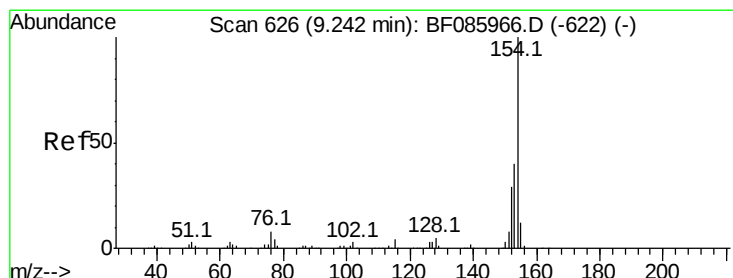
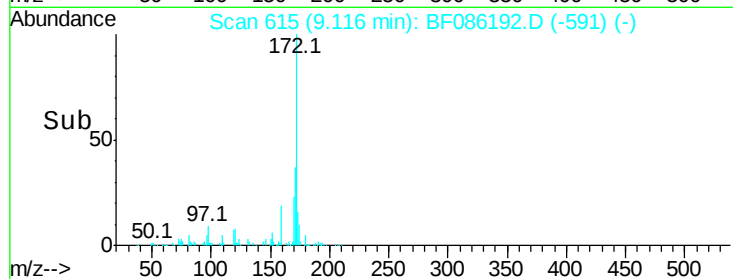
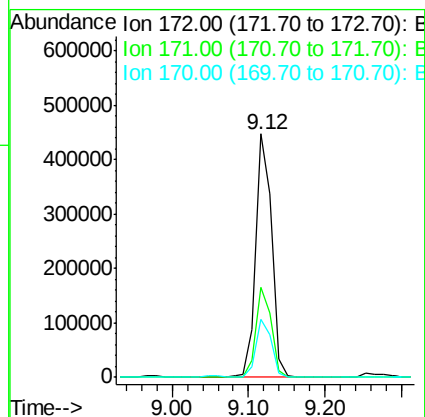
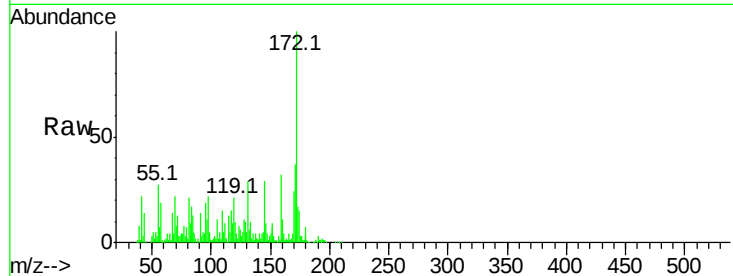
#44
2-Fluorobiphenyl
Concen: 81.78 ng
RT: 9.12 min Scan# 615
Delta R.T. -0.02 min
Lab File: BF086192.D
Acq: 9 Apr 2016 2:29

Instrument :
BNA_F
ClientSampleId :
A-1

Tot Ion:172	Resp:	636748
Ion Ratio	Lower	Upper
172 100		
171 36.9	29.4	44.2
170 23.7	19.8	29.6

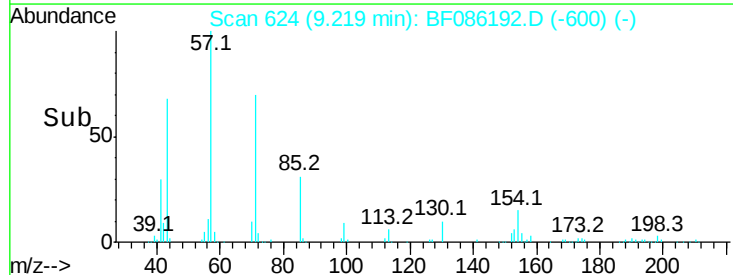
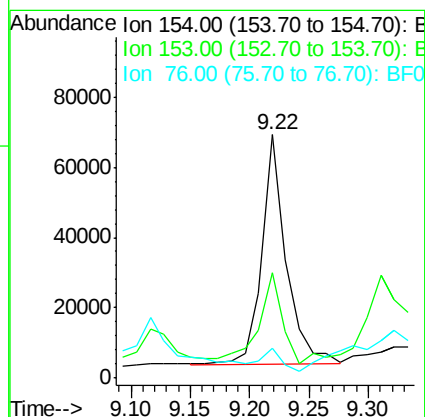
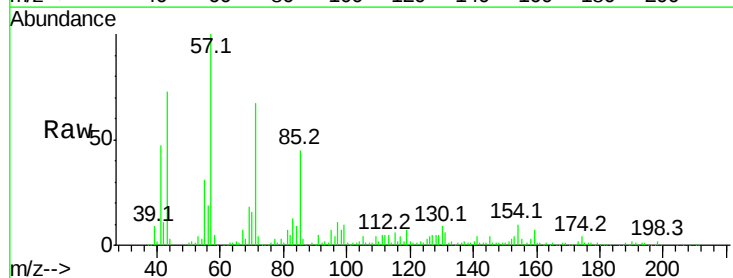
Manual Integrations
APPROVED

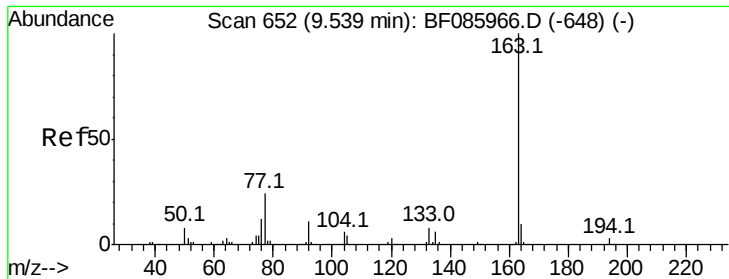
Sohil
4/11/2016 5:45:27 PM



#45
1,1'-Biphenyl
Concen: 8.40 ng
RT: 9.22 min Scan# 624
Delta R.T. -0.02 min
Lab File: BF086192.D
Acq: 9 Apr 2016 2:29

Tgt Ion:154	Resp:	93794
Ion Ratio	Lower	Upper
154 100		
153 43.5	20.8	60.8
76 12.4	0.0	36.7





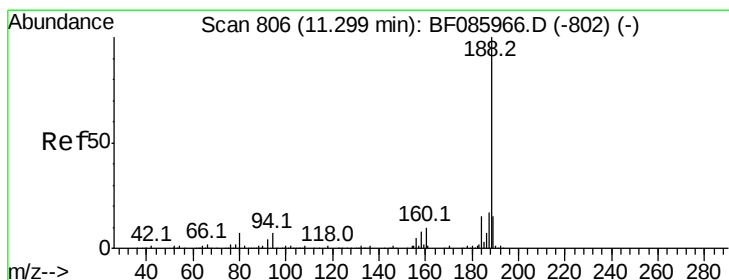
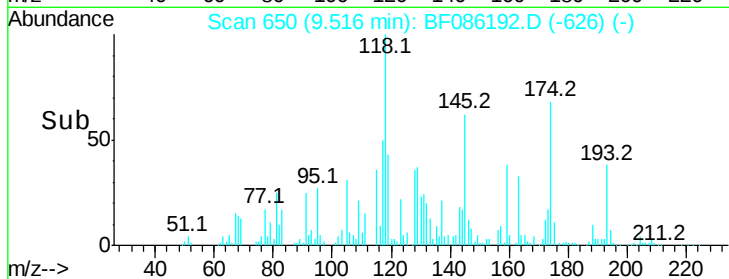
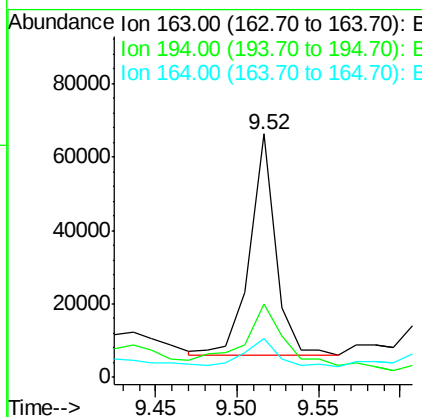
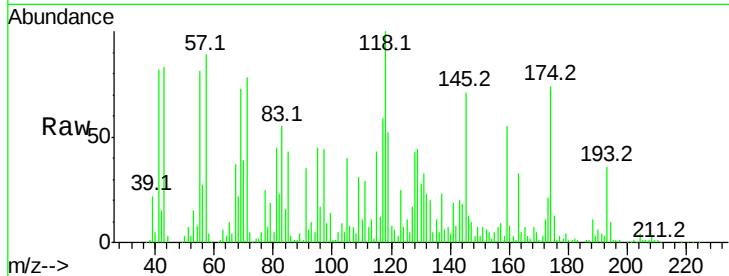
#49
Dimethylphthalate
Concen: 6.92 ng
RT: 9.52 min Scan# 650
Delta R.T. -0.02 min
Lab File: BF086192.D
Acq: 9 Apr 2016 2:29

Instrument :
BNA_F
ClientSampled :
A-1

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	29.9	2.9	4.3#	
164	16.2	8.3	12.5#	

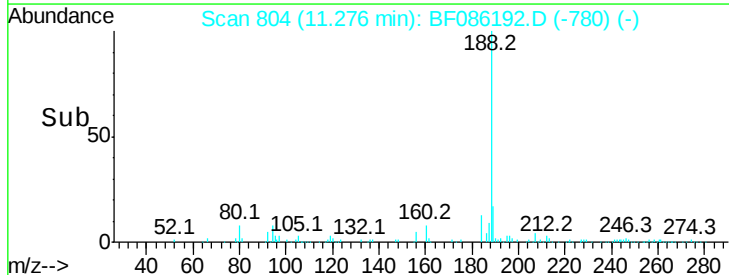
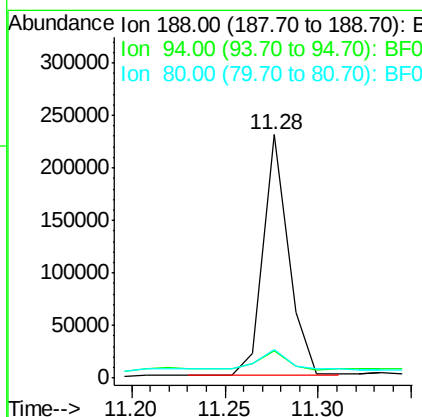
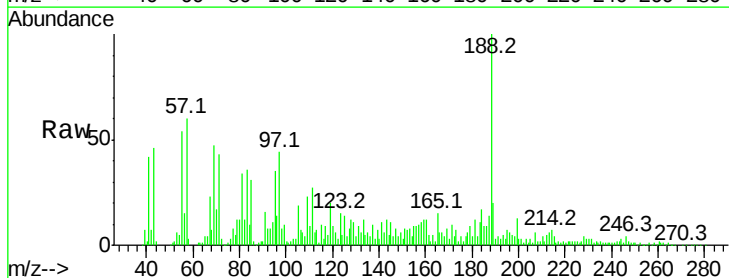
Manual Integrations
APPROVED

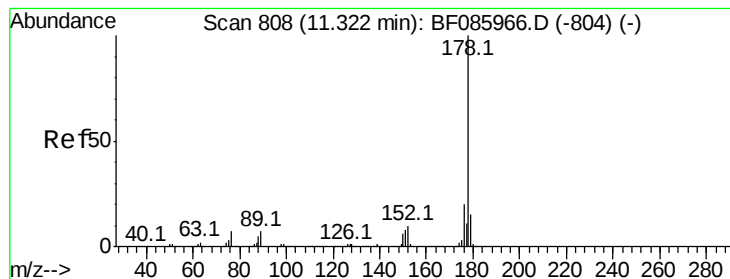
Sohil
4/11/2016 5:45:27 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.28 min Scan# 804
Delta R.T. -0.02 min
Lab File: BF086192.D
Acq: 9 Apr 2016 2:29

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	11.3	5.4	8.0#	
80	11.6	5.5	8.3#	





#70

Phenanthrene

Concen: 40.99 ng

RT: 11.30 min Scan# 806

Delta R.T. -0.02 min

Lab File: BF086192.D

Acq: 9 Apr 2016 2:29

Instrument :

BNA_F

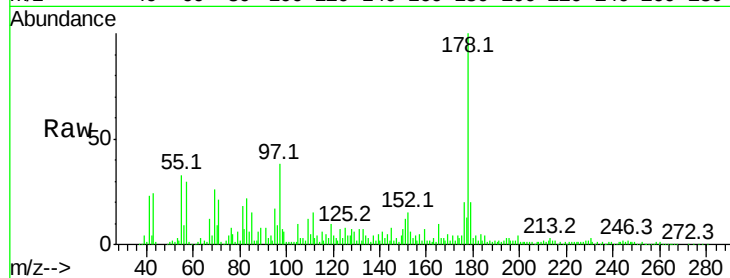
ClientSampled :

A-1

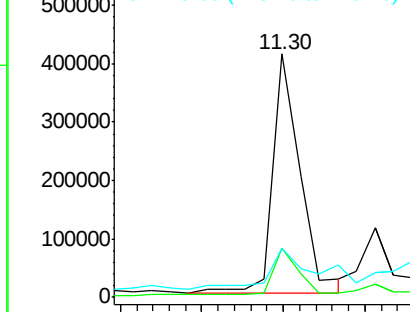
Tot Ion:	178	Resp:	476903
Ion Ratio	Lower	Upper	
178	100		
176	20.1	16.3	24.5
179	20.4	12.6	18.8#

Manual Integrations
APPROVED

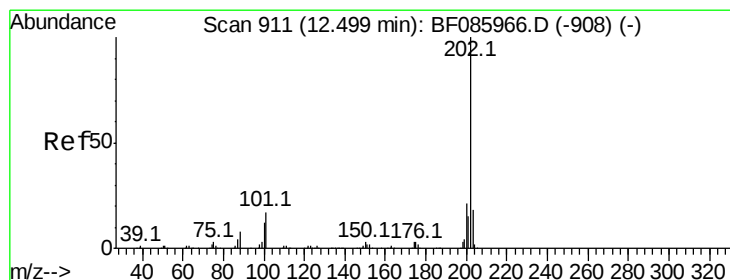
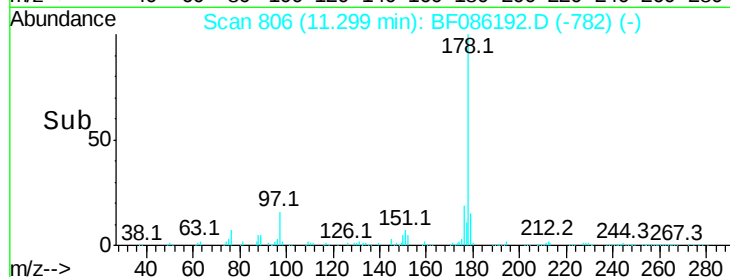
Sohil
4/11/2016 5:45:27 PM



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



Time--> 11.20 11.25 11.30 11.35



#74

Fluoranthene

Concen: 61.39 ng

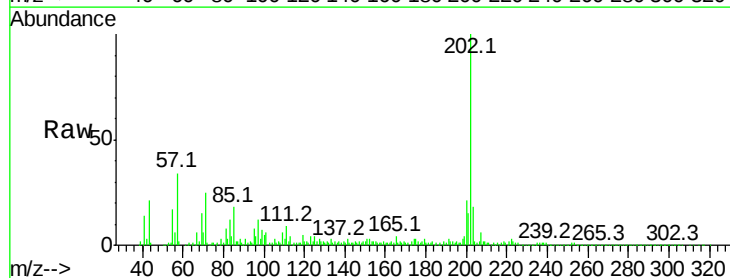
RT: 12.49 min Scan# 910

Delta R.T. -0.01 min

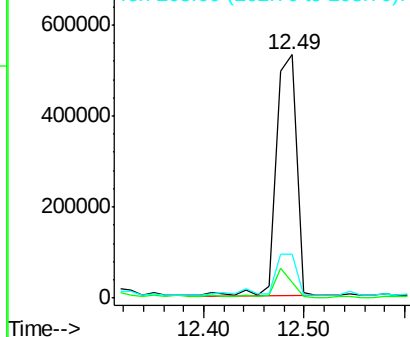
Lab File: BF086192.D

Acq: 9 Apr 2016 2:29

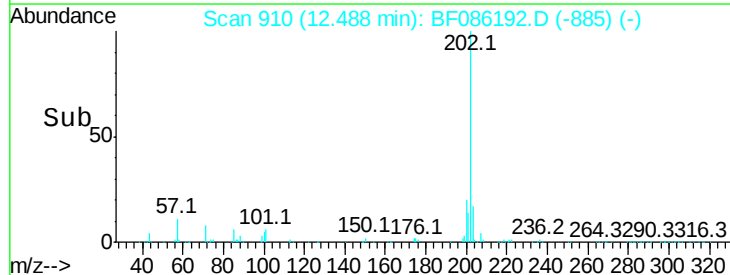
Tgt Ion:	202	Resp:	742855
Ion Ratio	Lower	Upper	
202	100		
101	6.3	0.0	36.6
203	18.1	0.0	38.1

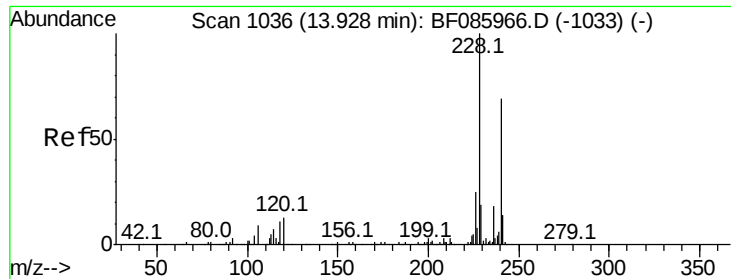


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time--> 12.40 12.50





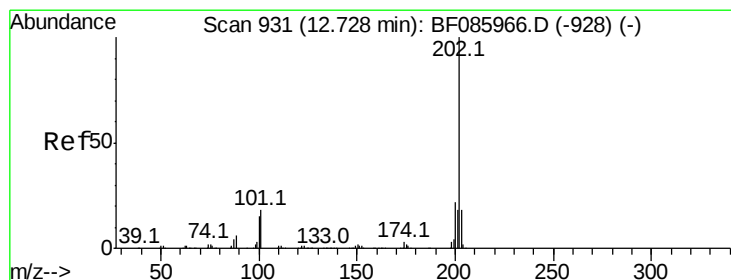
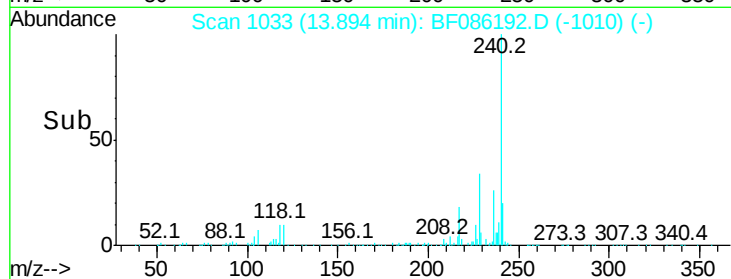
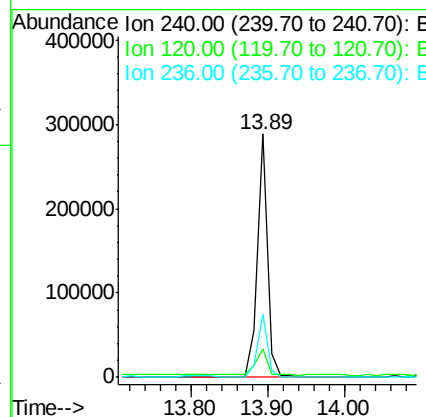
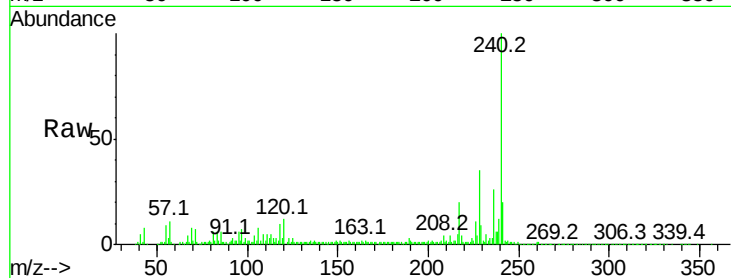
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.89 min Scan# 1033
Delta R.T. -0.03 min
Lab File: BF086192.D
Acq: 9 Apr 2016 2:29

Instrument :
BNA_F
ClientSampleId :
A-1

Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	11.6	13.8	20.8#
236	26.2	20.6	30.8

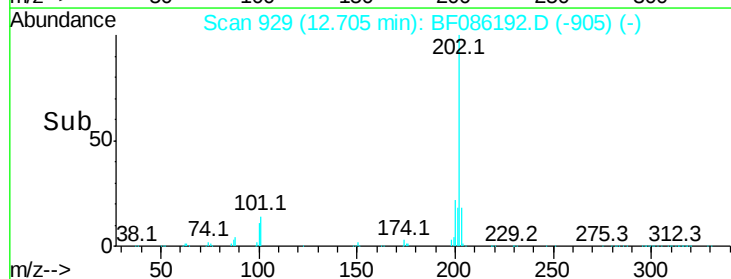
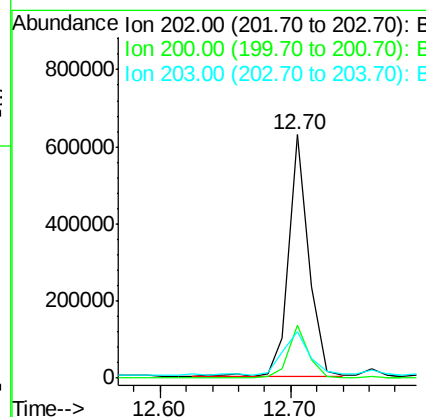
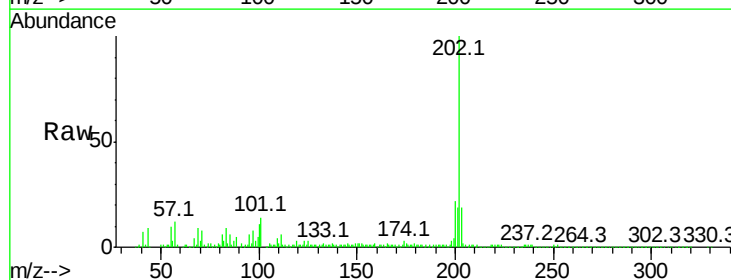
Manual Integrations
APPROVED

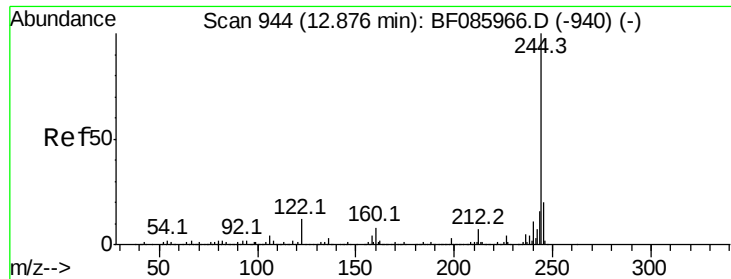
Sohil
4/11/2016 5:45:27 PM



#77
Pyrene
Concen: 37.38 ng
RT: 12.70 min Scan# 929
Delta R.T. -0.02 min
Lab File: BF086192.D
Acq: 9 Apr 2016 2:29

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	21.9	17.6	26.4
203	19.1	14.0	21.0





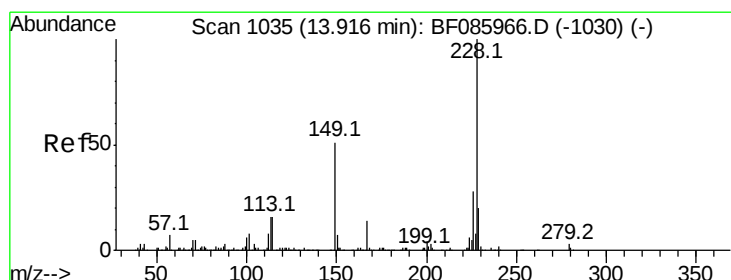
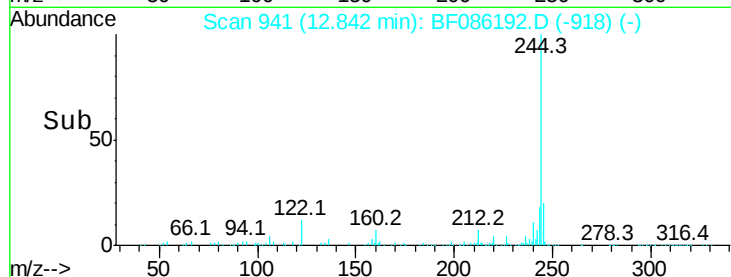
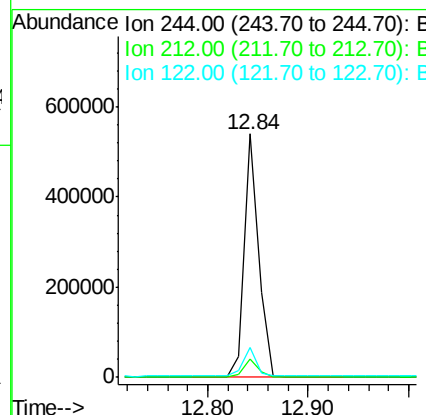
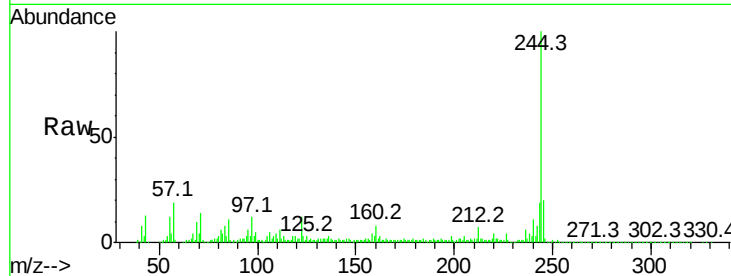
#78
 Terphenyl-d14
 Concen: 48.35 ng
 RT: 12.84 min Scan# 941
 Delta R.T. -0.03 min
 Lab File: BF086192.D
 Acq: 9 Apr 2016 2:29

Instrument :
 BNA_F
 ClientSampleId :
 A-1

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.4	6.1	9.1	
122	12.3	10.2	15.4	

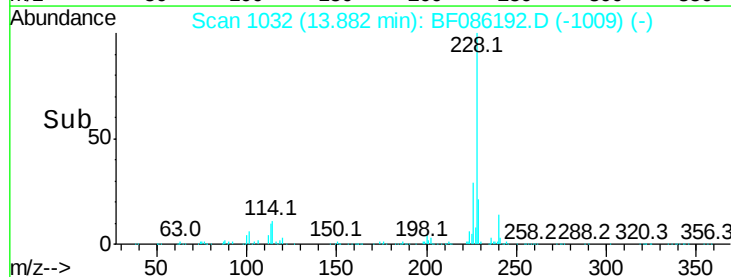
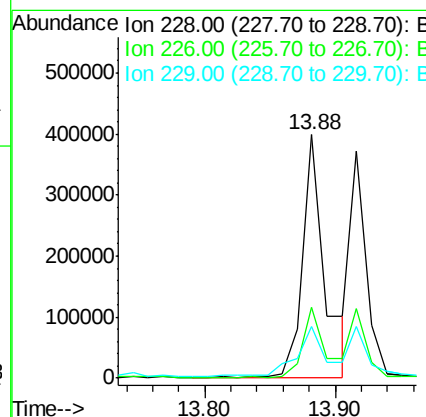
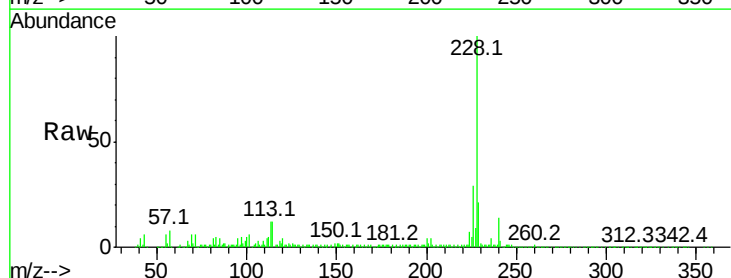
Manual Integrations
 APPROVED

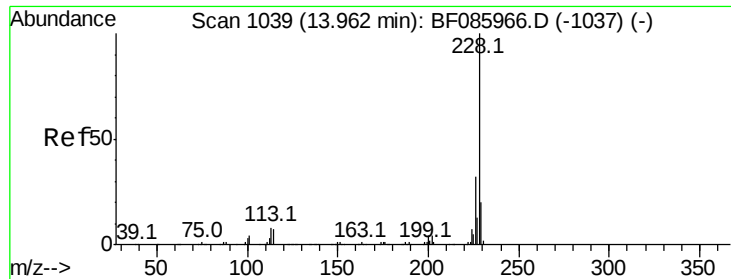
Sohil
 4/11/2016 5:45:27 PM



#80
 Benzo(a)anthracene
 Concen: 30.75 ng
 RT: 13.88 min Scan# 1032
 Delta R.T. -0.03 min
 Lab File: BF086192.D
 Acq: 9 Apr 2016 2:29

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	29.0	22.1	33.1	
229	21.3	16.2	24.4	





#82

Chrvsene

Concen: 21.42 ng

RT: 13.92 min Scan# 1035

Delta R.T. -0.05 min

Lab File: BF086192.D

Acq: 9 Apr 2016 2:29

Instrument :

BNA_F

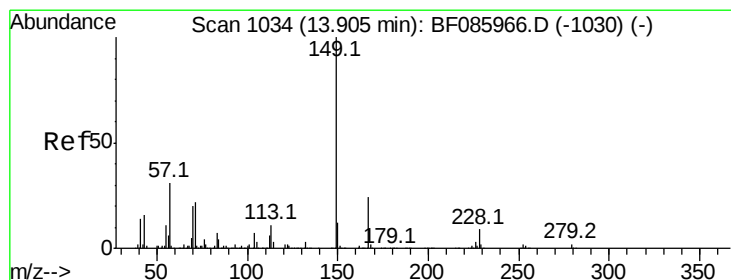
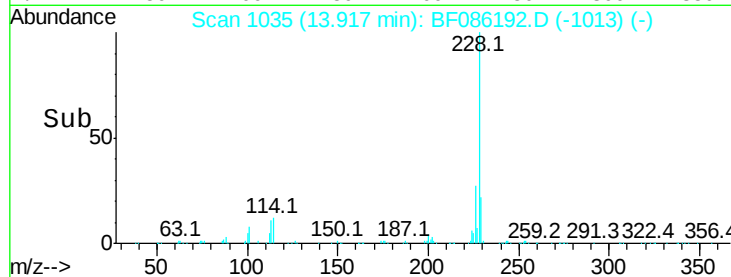
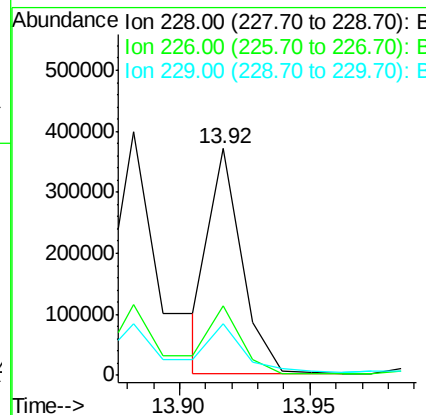
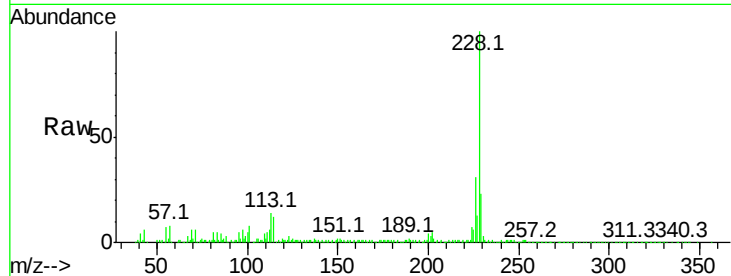
ClientSampled :

A-1

Tot Ion:	228	Resp:	315635
Ion Ratio	Lower	Upper	
228	100		
226	30.8	25.0	37.6
229	22.7	15.7	23.5

Manual Integrations
APPROVED

Sohil
4/11/2016 5:45:27 PM



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.69 ng

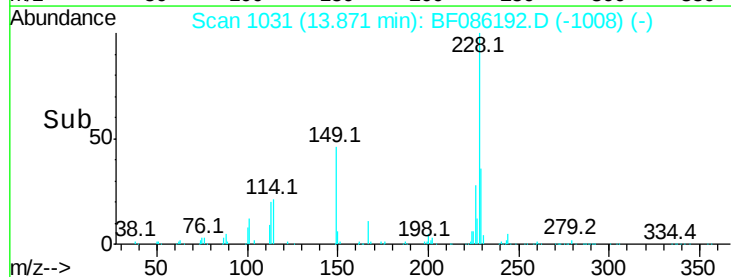
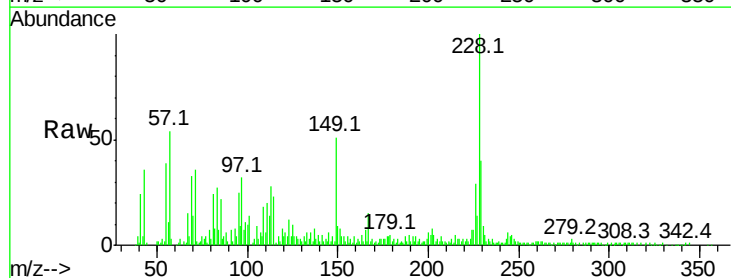
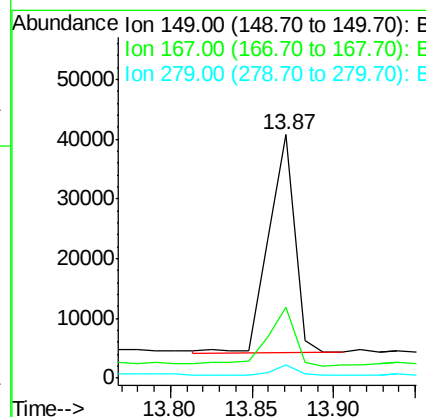
RT: 13.87 min Scan# 1031

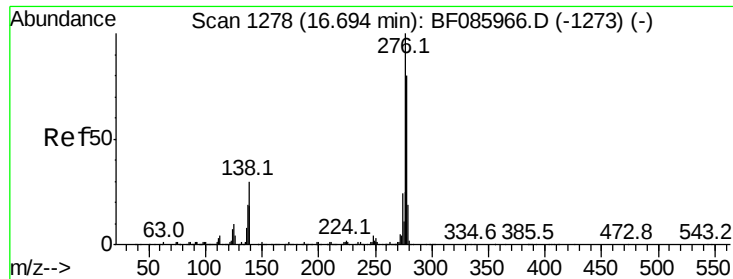
Delta R.T. -0.03 min

Lab File: BF086192.D

Acq: 9 Apr 2016 2:29

Tgt Ion:	149	Resp:	40295
Ion Ratio	Lower	Upper	
149	100		
167	29.0	19.4	29.2
279	5.5	1.5	2.3#





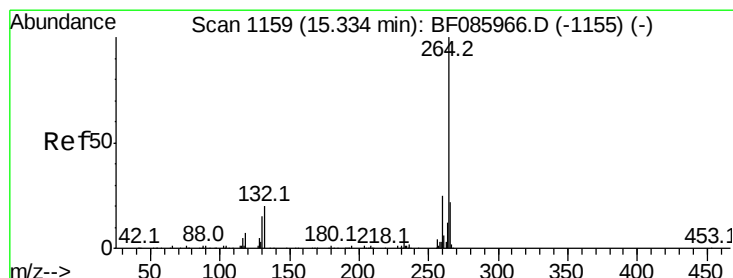
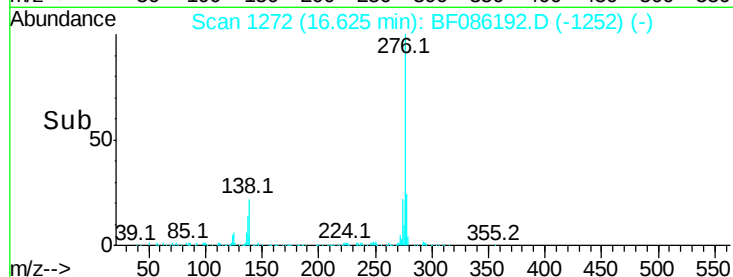
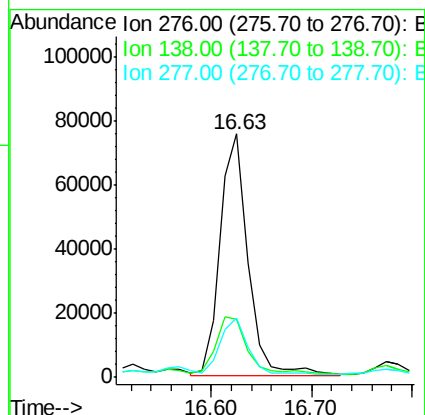
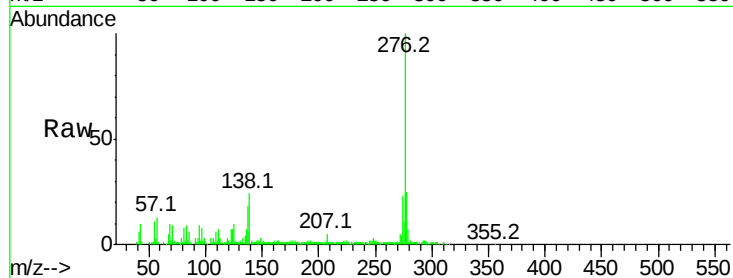
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 12.14 ng
 RT: 16.63 min Scan# 1272
 Delta R.T. -0.07 min
 Lab File: BF086192.D
 Acq: 9 Apr 2016 2:29

Instrument :
 BNA_F
 ClientSampleId :
 A-1

Tot Ion	Ratio	Resp	Lower	Upper
276	100	145178		
138	23.7	24.2	36.4#	
277	22.9	20.0	30.0	

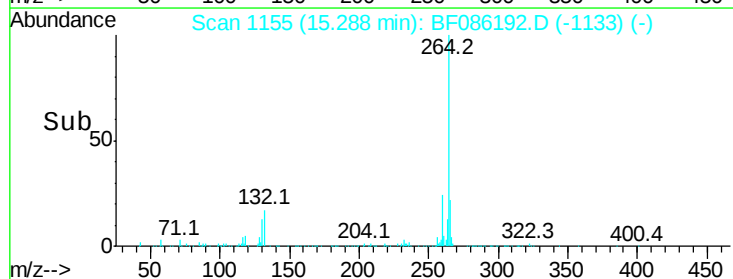
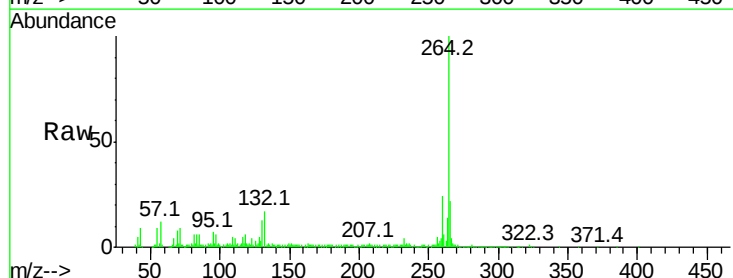
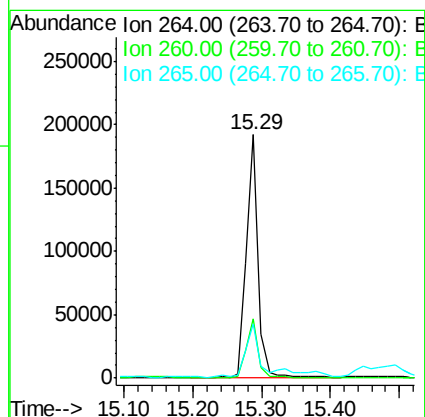
Manual Integrations
 APPROVED

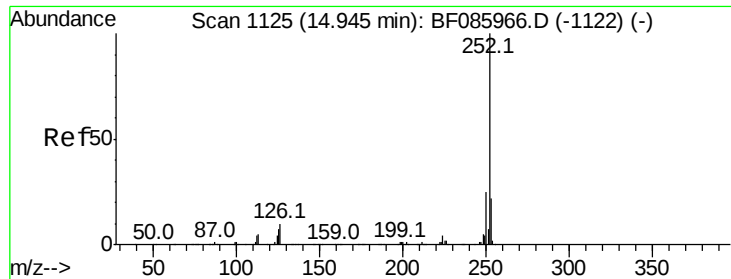
Sohil
 4/11/2016 5:45:27 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.29 min Scan# 1155
 Delta R.T. -0.05 min
 Lab File: BF086192.D
 Acq: 9 Apr 2016 2:29

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	228054		
260	24.3	19.4	29.2	
265	22.3	17.2	25.8	





#87

Benzo(b)fluoranthene

Concen: 31.45 ng m

RT: 14.90 min Scan# 1121

Delta R.T. -0.05 min

Lab File: BF086192.D

Acq: 9 Apr 2016 2:29

Instrument :

BNA_F

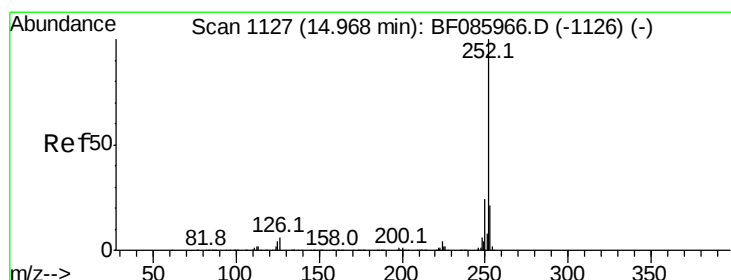
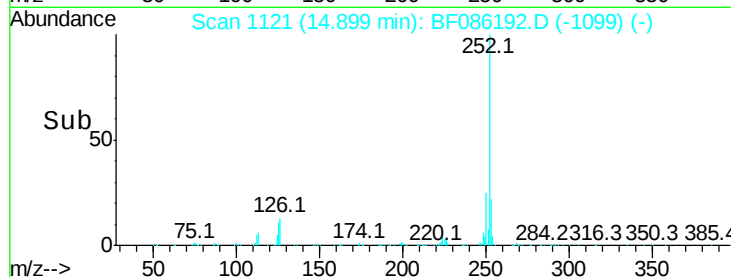
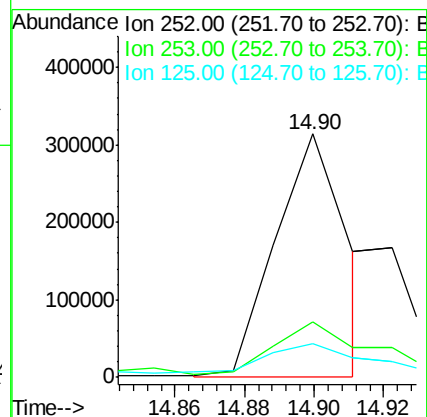
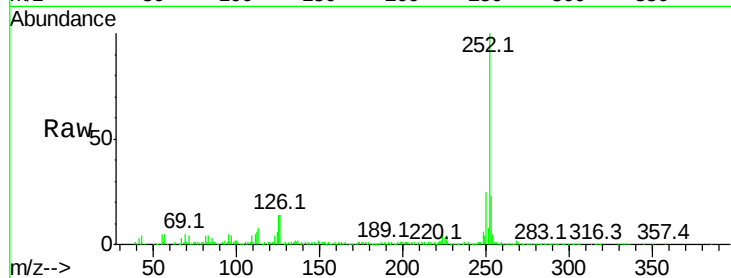
ClientSampleId :

A-1

Tot Ion:	252	Resp:	451123
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.6	26.4
125	13.7	10.3	15.5

Manual Integrations
APPROVED

Sohil
4/11/2016 5:45:27 PM



#88

Benzo(k)fluoranthene

Concen: 10.61 ng m

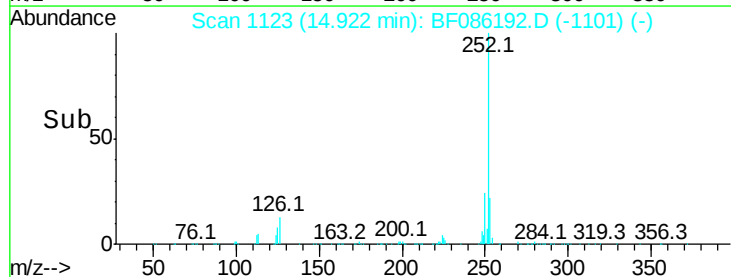
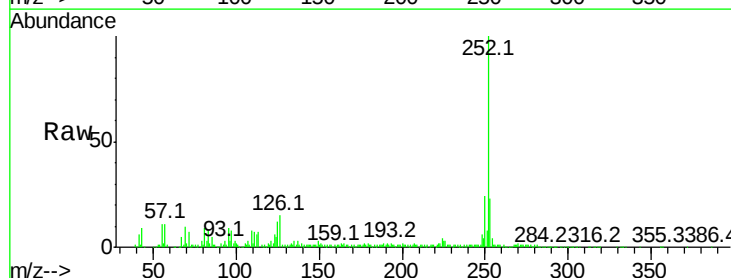
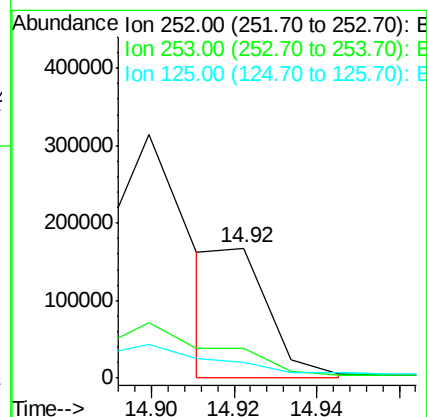
RT: 14.92 min Scan# 1123

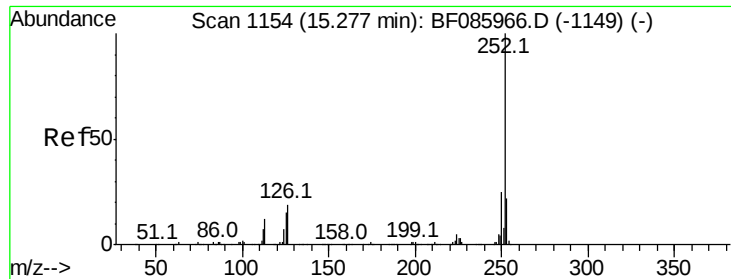
Delta R.T. -0.05 min

Lab File: BF086192.D

Acq: 9 Apr 2016 2:29

Tgt Ion:	252	Resp:	134753
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.8	26.6
125	12.3	7.7	11.5#





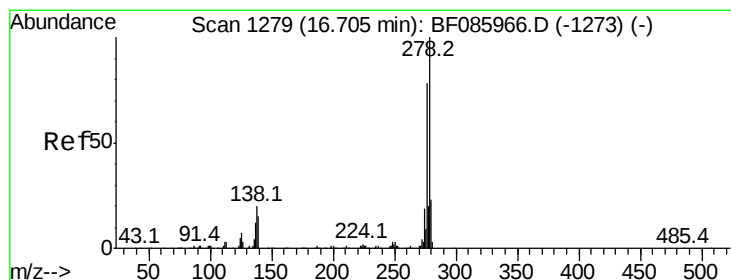
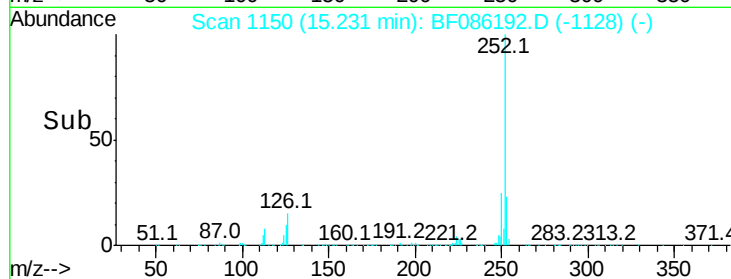
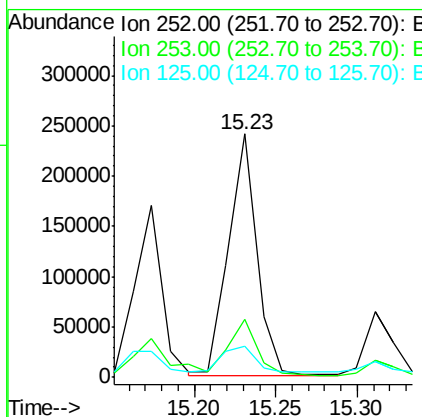
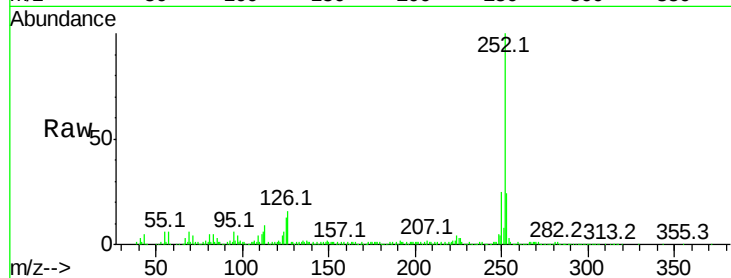
#89
Benzo(a)pyrene
Concen: 22.74 ng
RT: 15.23 min Scan# 1150
Delta R.T. -0.05 min
Lab File: BF086192.D
Acq: 9 Apr 2016 2:29

Instrument :
BNA_F
ClientSampleId :
A-1

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.8	17.4	26.0
125	13.0	10.3	15.5

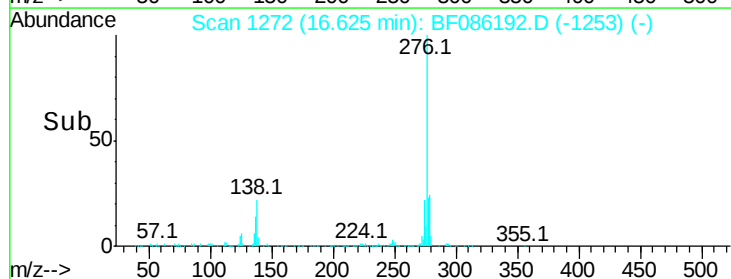
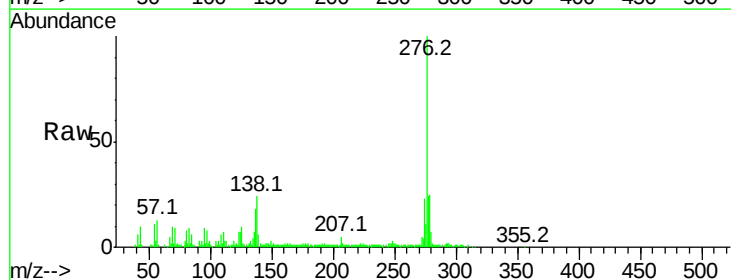
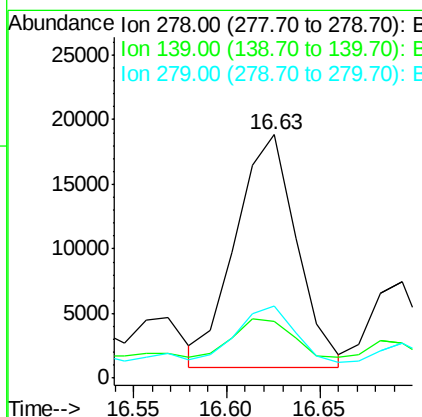
Manual Integrations
APPROVED

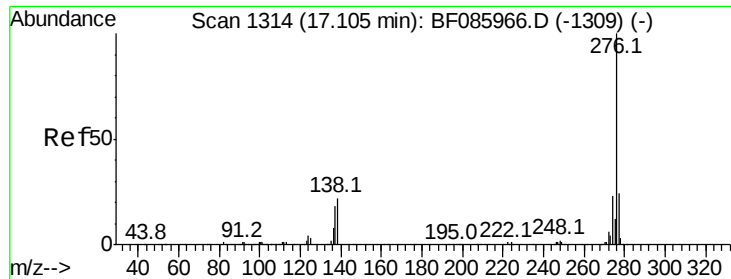
Sohil
4/11/2016 5:45:27 PM



#90
Dibenzo(a,h)anthracene
Concen: 4.00 ng
RT: 16.63 min Scan# 1272
Delta R.T. -0.08 min
Lab File: BF086192.D
Acq: 9 Apr 2016 2:29

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	23.5	14.4	21.6#
279	29.5	19.1	28.7#





#91
 Benzo(a,h,i)perylene
 Concen: 12.36 ng
 RT: 17.03 min Scan# 1307
 Delta R.T. -0.08 min
 Lab File: BF086192.D
 Acq: 9 Apr 2016 2:29

Instrument :
 BNA_F
 ClientSampleId :
 A-1

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	24.2	18.8	28.2
138	25.0	22.6	34.0

Manual Integrations
 APPROVED

Sohil
 4/11/2016 5:45:27 PM

