

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040416\
 Data File : BF086055.D
 Acq On : 4 Apr 2016 23:33
 Operator : UM/SJ
 Sample : H2166-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-OFL4-AND-L5

Manual Integrations
 APPROVED

Sohil
 4/5/2016 6:39:13 PM

Quant Time: Apr 05 03:52:52 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	6.76	152	110086	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	371313	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	149911	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	236423	20.00	ng	0.00
75) Chrysene-d12	13.92	240	191493	20.00	ng	-0.01
86) Perylene-d12	15.32	264	147004	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	894055	138.82	ng	0.00
7) Phenol-d6	6.42	99	1149327	140.50	ng	0.00
23) Nitrobenzene-d5	7.33	82	624035	99.11	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	196298	139.51	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	961500	106.64	ng	-0.01
78) Terphenyl-d14	12.88	244	786389	96.53	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.77	142	235388	19.29	ng	99
70) Phenanthrene	11.32	178	196124	15.21	ng	# 96
74) Fluoranthene	12.50	202	65658	4.89	ng	95
77) Pyrene	12.73	202	69675	5.16	ng	99
80) Benzo(a)anthracene	13.92	228	29794	2.64	ng	# 89
82) Chrysene	13.95	228	23918m	2.20	ng	
87) Benzo(b)fluoranthene	14.93	252	30200m	3.27	ng	
89) Benzo(a)pyrene	15.28	252	20143	2.46	ng	# 75

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

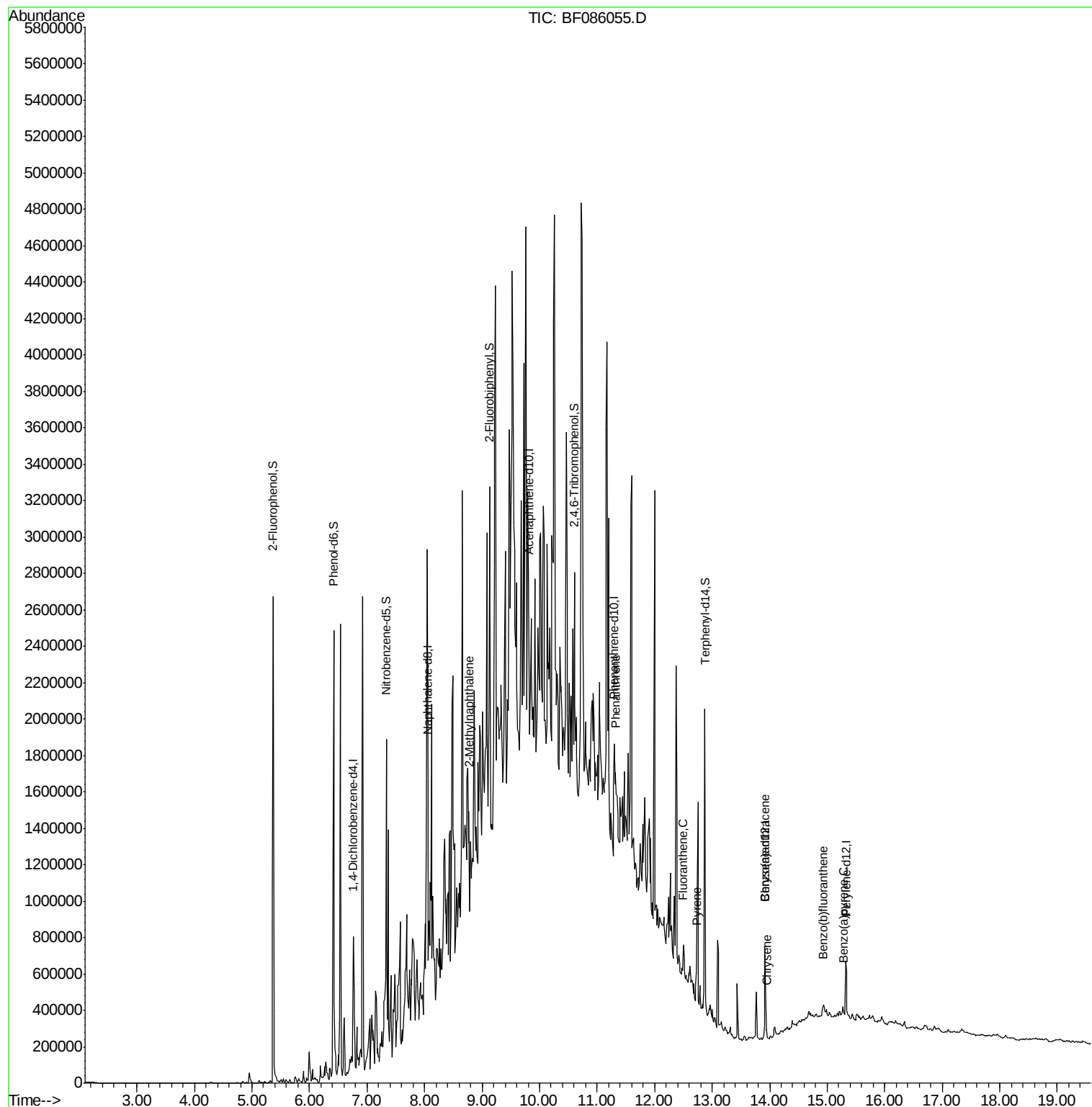
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040416\
Data File : BF086055.D
Acq On : 4 Apr 2016 23:33
Operator : UM/SJ
Sample : H2166-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

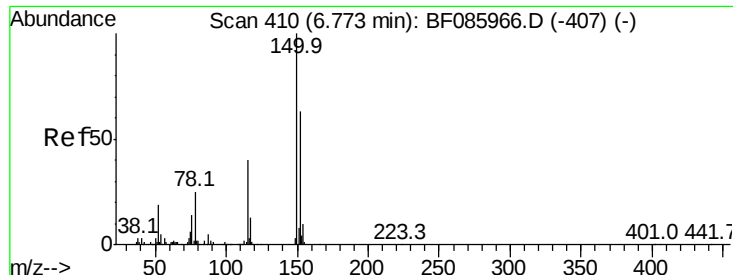
Instrument :
BNA_F
ClientSampleId :
COMP-OFL4-AND-L5

Manual Integrations
APPROVED

Sohil
4/5/2016 6:39:13 PM

Quant Time: Apr 05 03:52:52 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: 6.76 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF086055.D

Acq: 4 Apr 2016 23:33

Instrument :

BNA_F

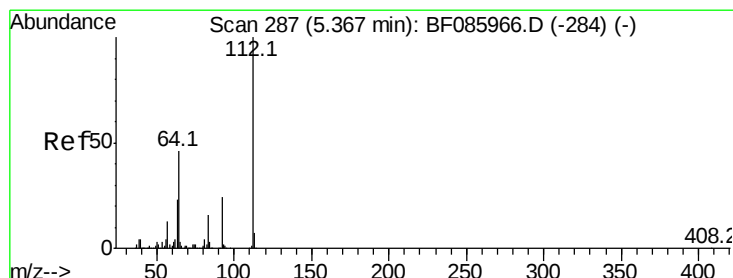
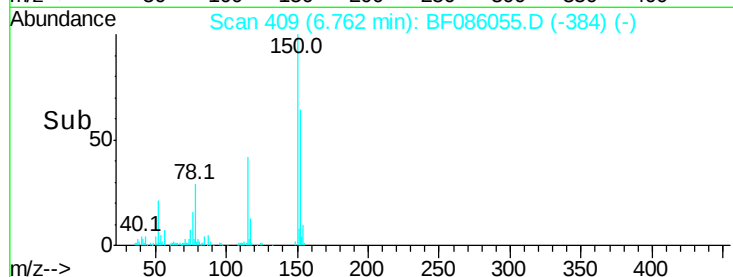
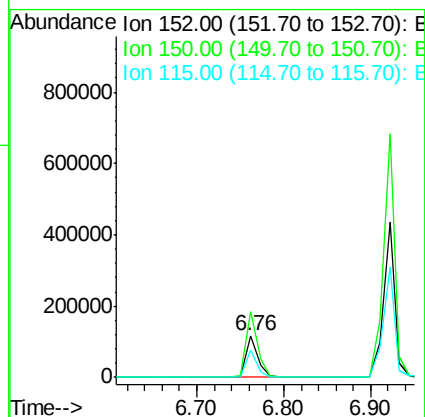
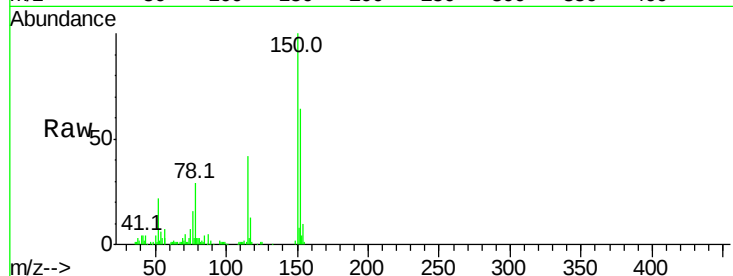
ClientSampleId :

COMP-OFL4-AND-L5

Tot Ion:	152	Resp:	110086
Ion Ratio	Lower	Upper	
152	100		
150	156.5	124.2	186.2
115	65.9	47.0	70.6

Manual Integrations
APPROVED

Sohil
4/5/2016 6:39:13 PM



#5

2-Fluorophenol

Concen: 138.82 ng

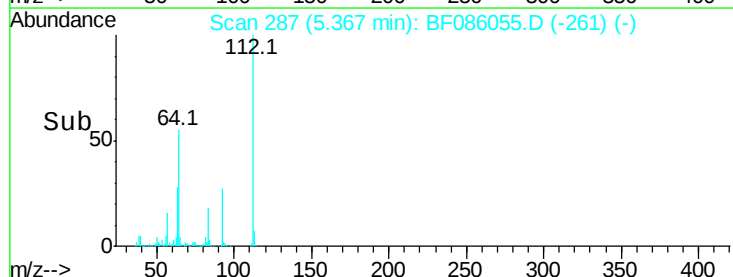
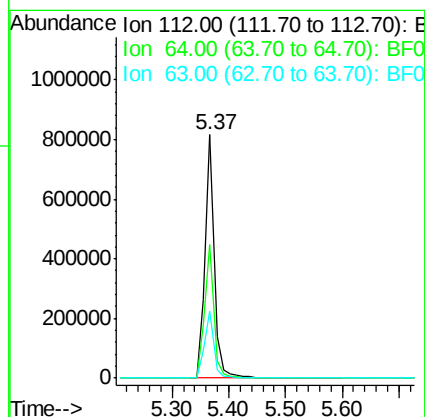
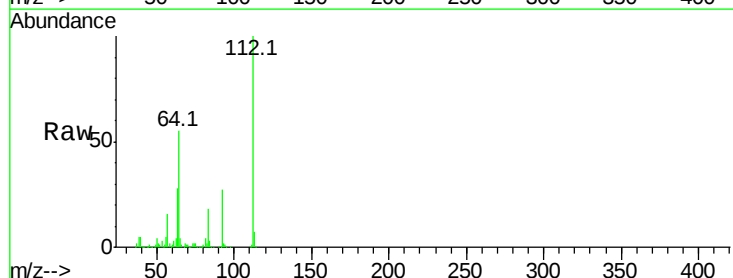
RT: 5.37 min Scan# 287

Delta R.T. 0.00 min

Lab File: BF086055.D

Acq: 4 Apr 2016 23:33

Tgt Ion:	112	Resp:	894055
Ion Ratio	Lower	Upper	
112	100		
64	54.8	39.9	59.9
63	27.7	20.2	30.2





#7

Phenol-d6

Concen: 140.50 ng

RT: 6.42 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF086055.D

Acq: 4 Apr 2016 23:33

Instrument :

BNA_F

ClientSampleId :

COMP-OFL4-AND-L5

Tot Ion: 99 Resp: 1149327

Ion Ratio Lower Upper

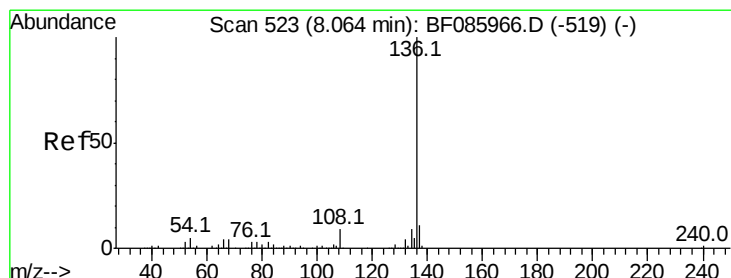
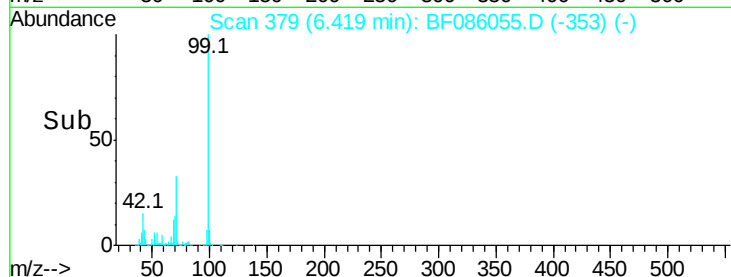
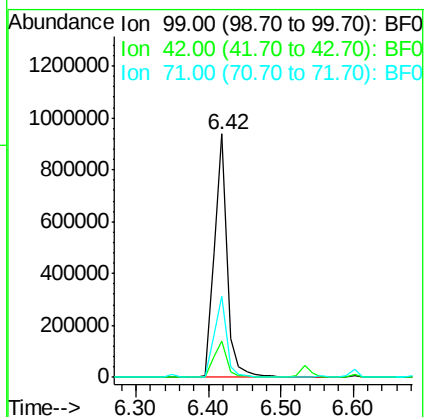
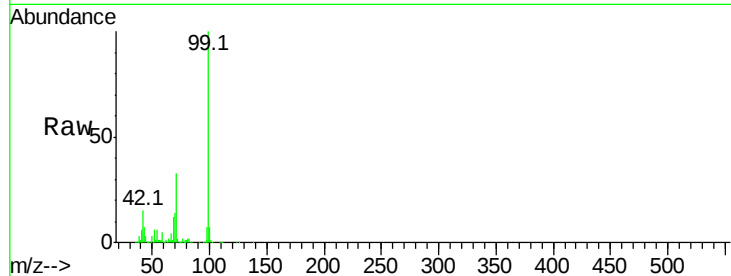
99 100

42 14.9 11.1 16.7

71 33.4 24.9 37.3

Manual Integrations
APPROVED

Sohil
4/5/2016 6:39:13 PM



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF086055.D

Acq: 4 Apr 2016 23:33

Tgt Ion: 136 Resp: 371313

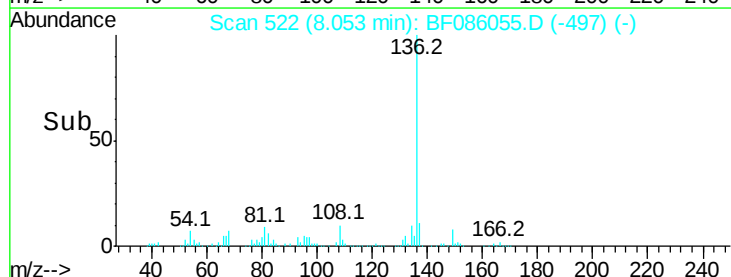
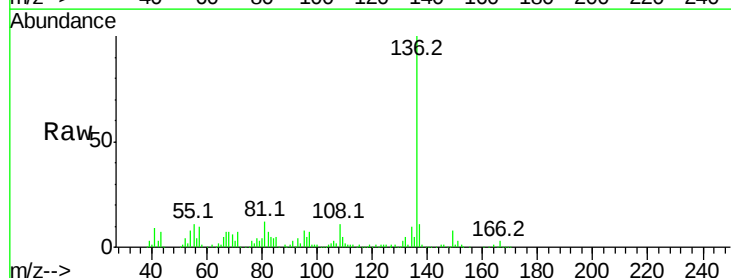
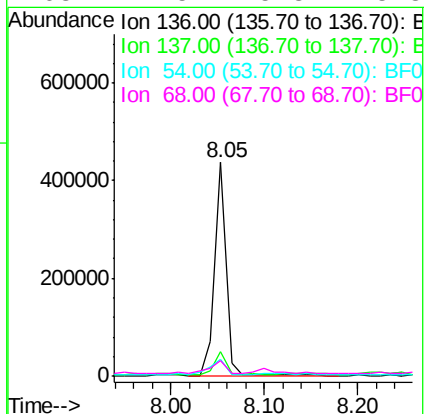
Ion Ratio Lower Upper

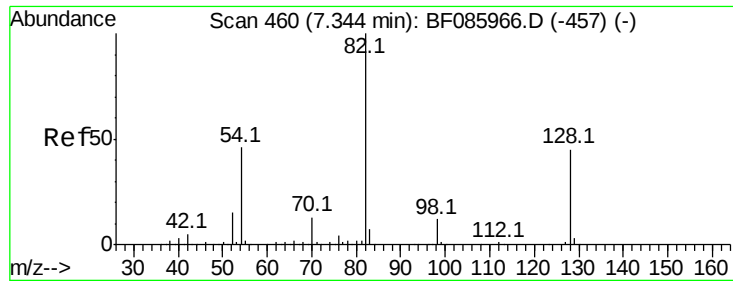
136 100

137 11.4 9.1 13.7

54 7.6 7.4 11.0

68 7.5 5.8 8.8





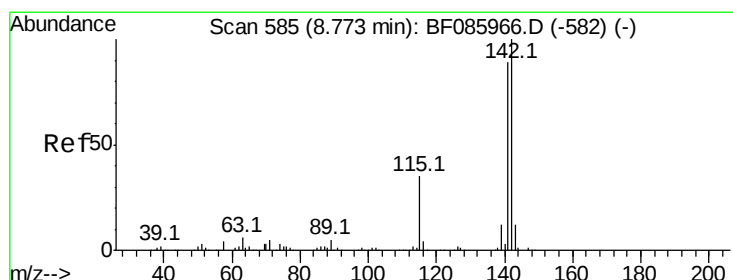
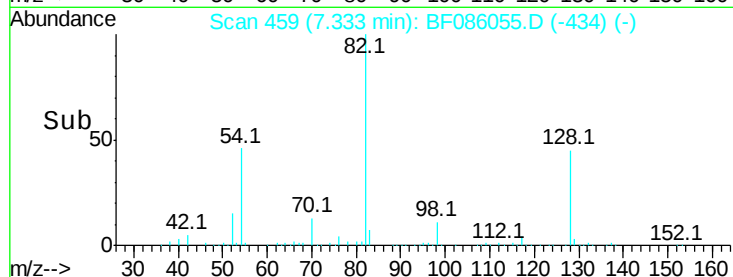
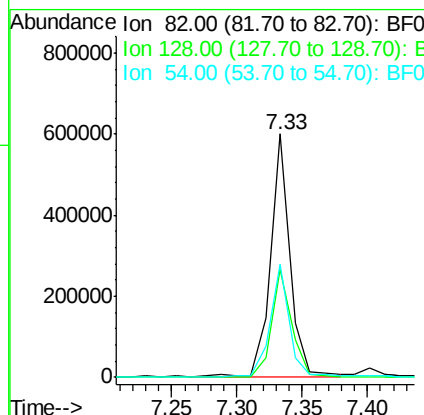
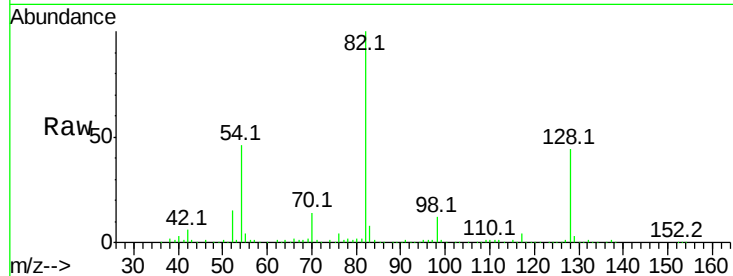
#23
Nitrobenzene-d5
Concen: 99.11 ng
RT: 7.33 min Scan# 459
Delta R.T. -0.01 min
Lab File: BF086055.D
Acq: 4 Apr 2016 23:33

Instrument :
BNA_F
ClientSampleId :
COMP-OFL4-AND-L5

Tot Ion	82	Resp	624035
Ion Ratio	100	Lower	Upper
128	44.4	41.8	62.8
54	46.5	33.4	50.0

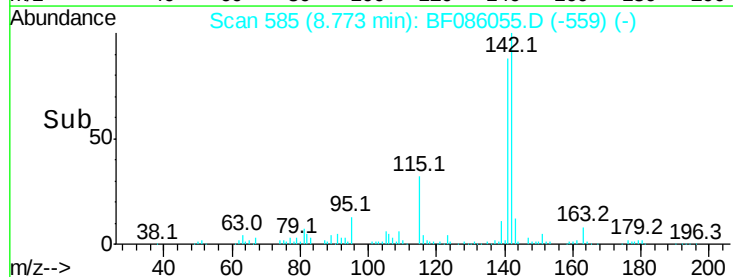
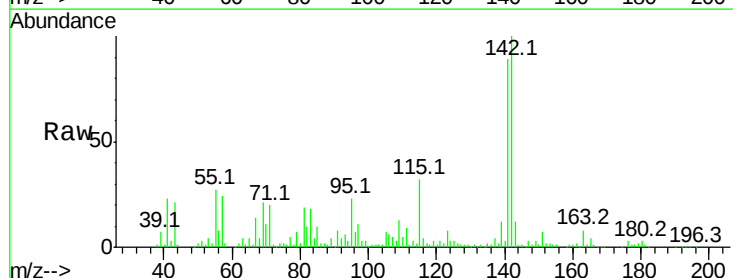
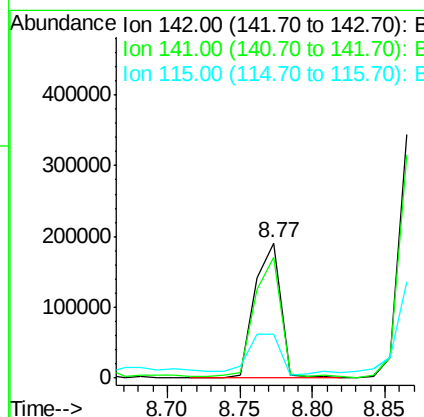
Manual Integrations
APPROVED

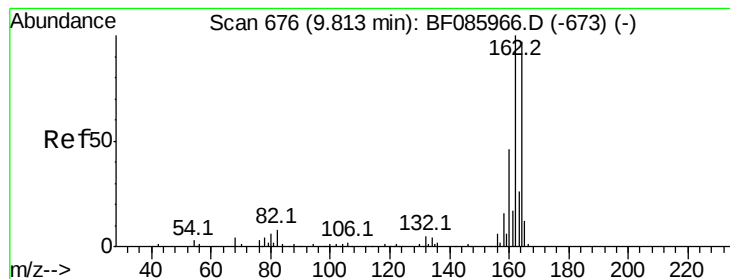
Sohil
4/5/2016 6:39:13 PM



#37
2-Methylnaphthalene
Concen: 19.29 ng
RT: 8.77 min Scan# 585
Delta R.T. 0.00 min
Lab File: BF086055.D
Acq: 4 Apr 2016 23:33

Tgt Ion	142	Resp	235388
Ion Ratio	100	Lower	Upper
141	89.0	71.6	107.4
115	32.4	26.8	40.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.81 min Scan# 676

Delta R.T. 0.00 min

Lab File: BF086055.D

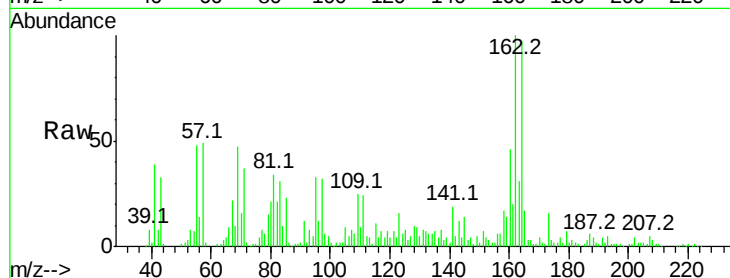
Acq: 4 Apr 2016 23:33

Instrument :

BNA_F

ClientSampleId :

COMP-OFL4-AND-L5



Tot Ion:164 Resp: 149911

Ion Ratio Lower Upper

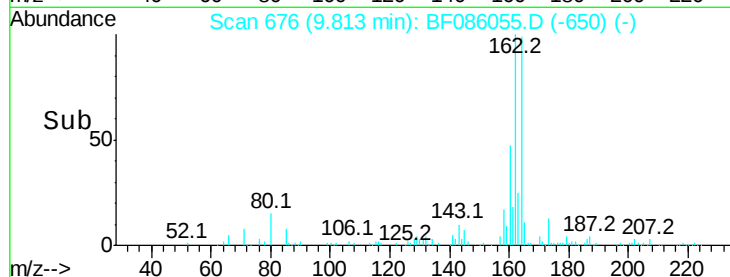
164 100

162 103.2 82.1 123.1

160 47.5 37.4 56.2

Manual Integrations
APPROVED

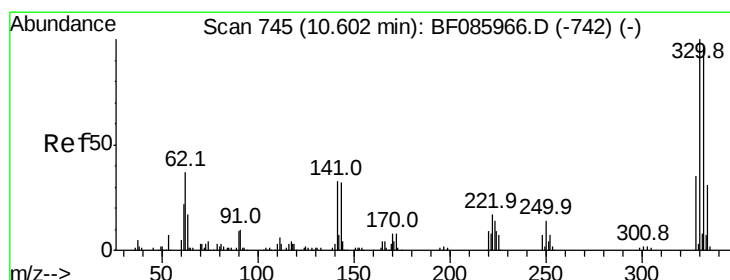
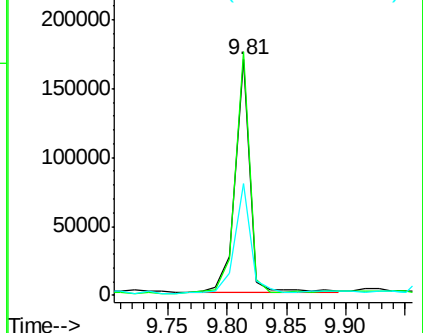
Sohil
4/5/2016 6:39:13 PM



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 139.51 ng

RT: 10.60 min Scan# 745

Delta R.T. 0.00 min

Lab File: BF086055.D

Acq: 4 Apr 2016 23:33

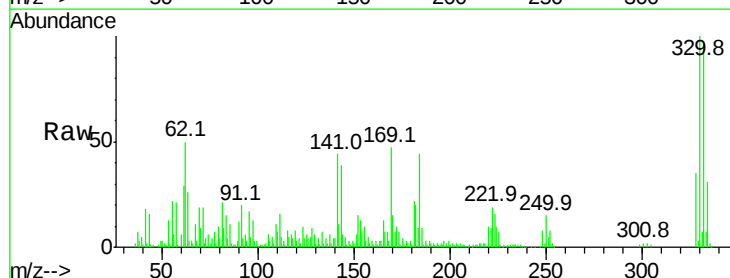
Tgt Ion:330 Resp: 196298

Ion Ratio Lower Upper

330 100

332 97.4 78.2 117.2

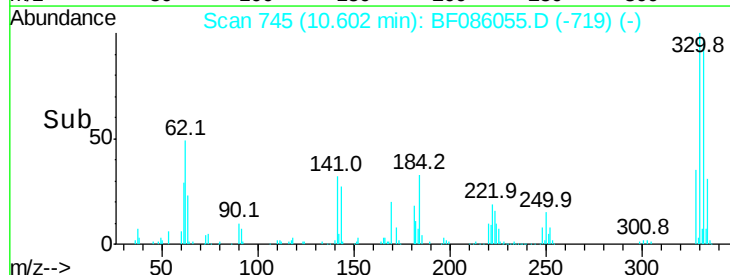
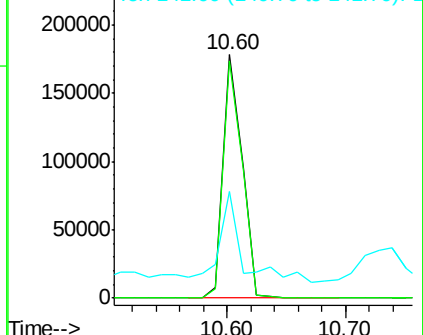
141 28.6 31.5 47.3#

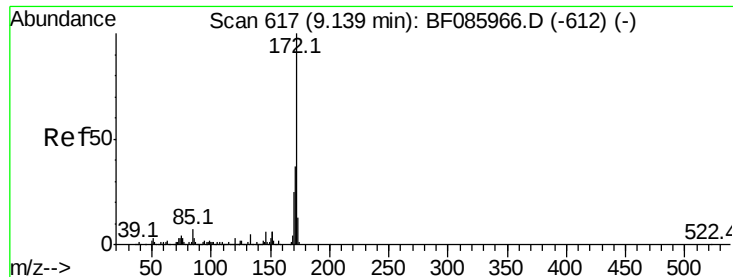


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





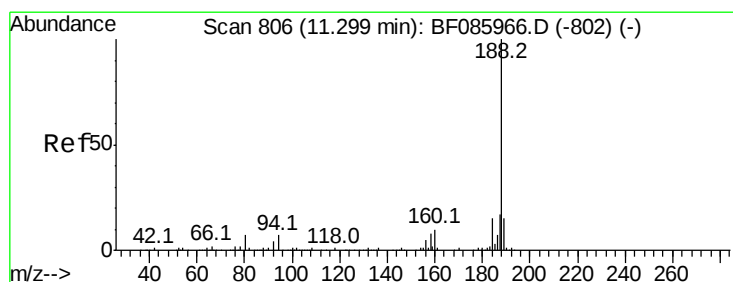
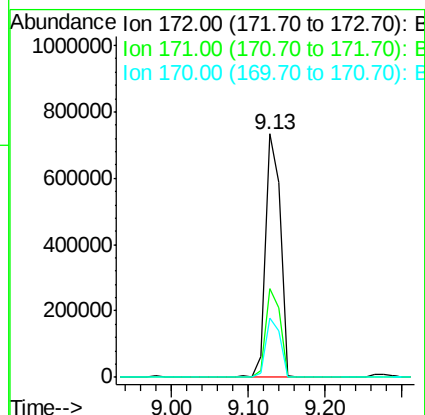
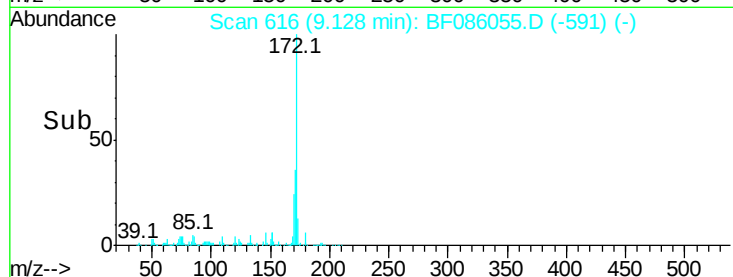
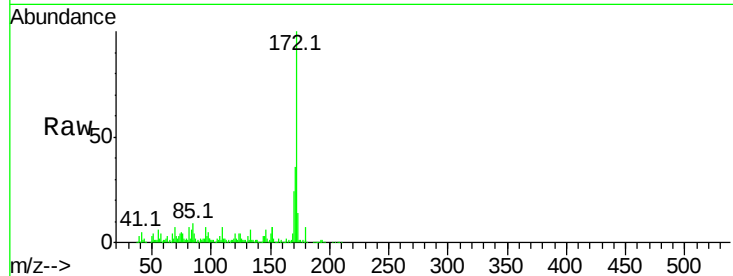
#44
2-Fluorobiphenyl
Concen: 106.64 ng
RT: 9.13 min Scan# 616
Delta R.T. -0.01 min
Lab File: BF086055.D
Acq: 4 Apr 2016 23:33

Instrument :
BNA_F
ClientSampleId :
COMP-OFL4-AND-L5

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.4	44.2
170	24.1	19.8	29.6

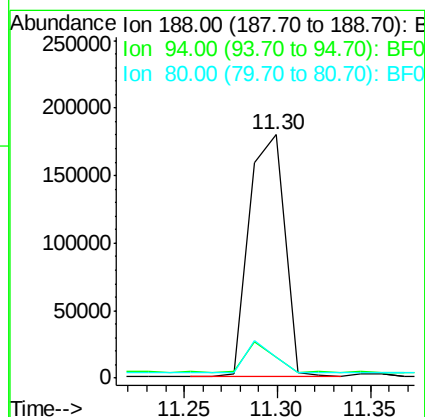
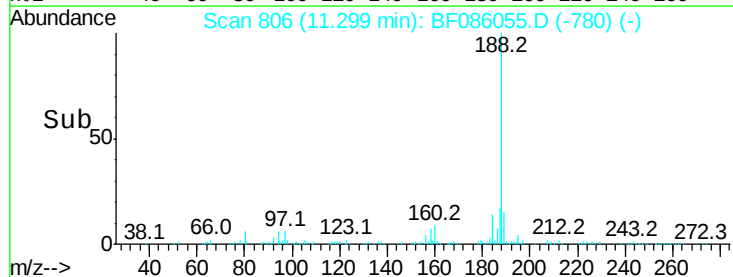
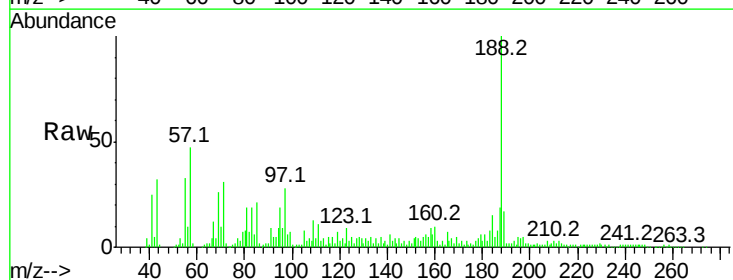
Manual Integrations
APPROVED

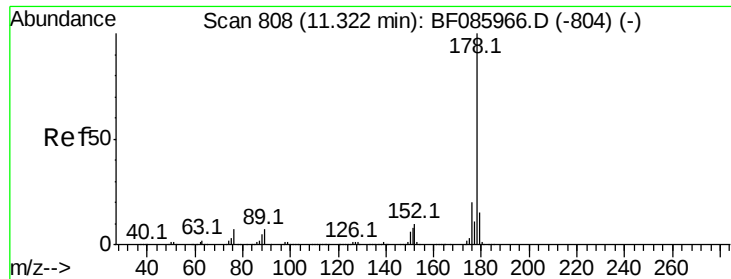
Sohil
4/5/2016 6:39:13 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 806
Delta R.T. 0.00 min
Lab File: BF086055.D
Acq: 4 Apr 2016 23:33

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	5.4	8.0#
80	8.4	5.5	8.3#





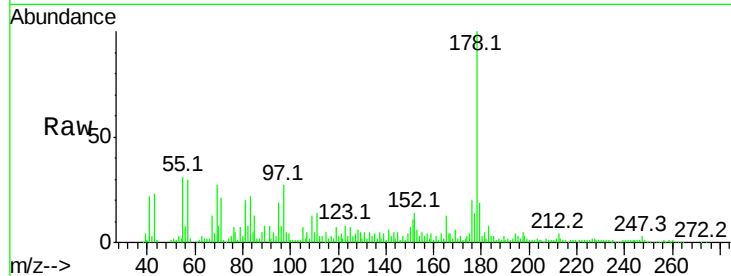
#70
Phenanthrene
Concen: 15.21 ng
RT: 11.32 min Scan# 808
Delta R.T. 0.00 min
Lab File: BF086055.D
Acq: 4 Apr 2016 23:33

Instrument :
BNA_F
ClientSampleId :
COMP-OFL4-AND-L5

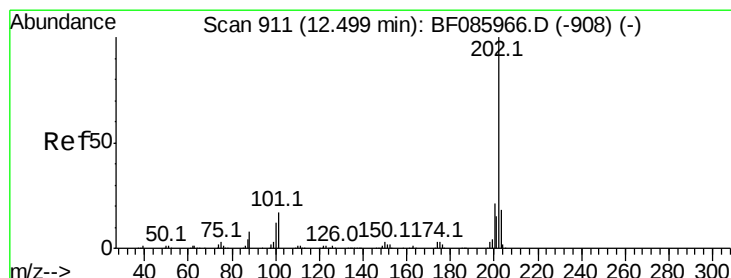
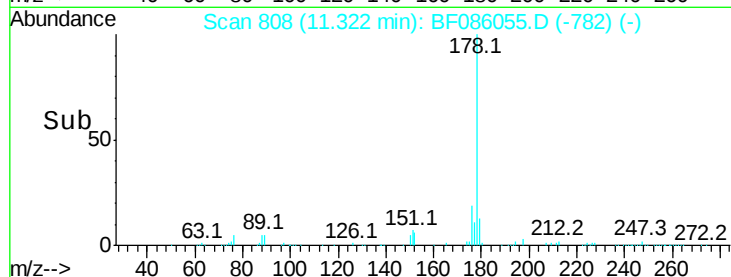
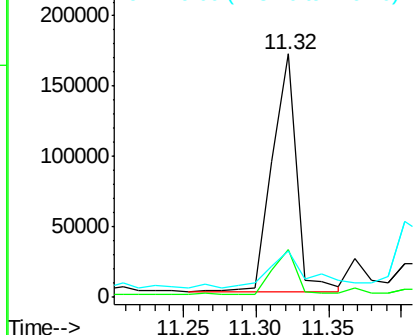
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.3	24.5
179	19.0	12.6	18.8

Manual Integrations
APPROVED

Sohil
4/5/2016 6:39:13 PM



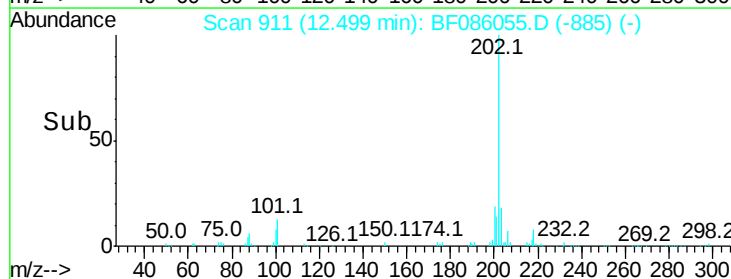
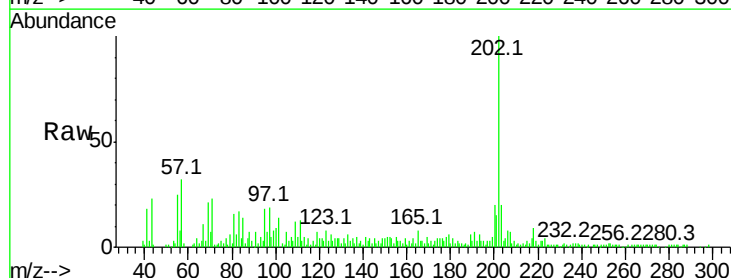
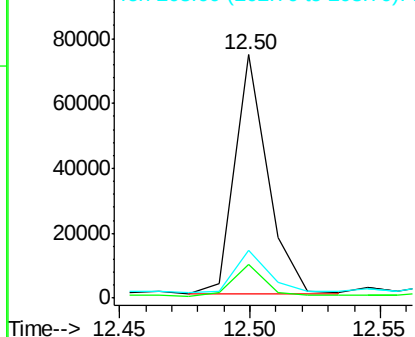
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

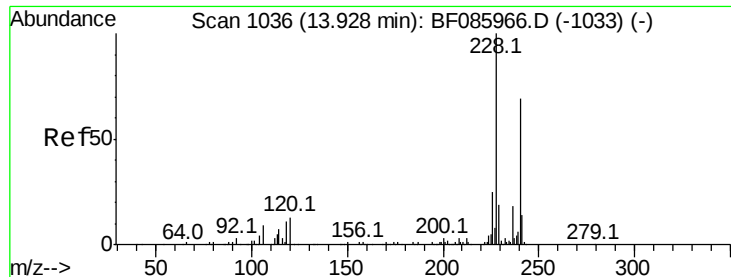


#74
Fluoranthene
Concen: 4.89 ng
RT: 12.50 min Scan# 911
Delta R.T. 0.00 min
Lab File: BF086055.D
Acq: 4 Apr 2016 23:33

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	36.6
203	19.7	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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.92 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF086055.D

Acq: 4 Apr 2016 23:33

Instrument :

BNA_F

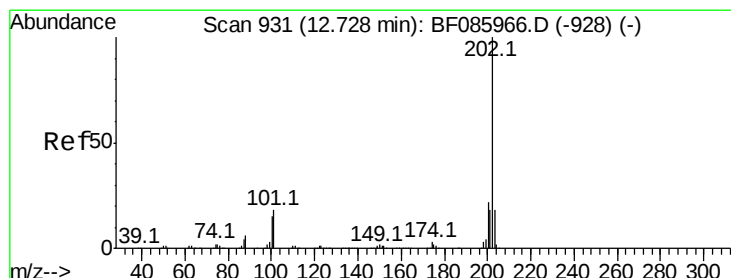
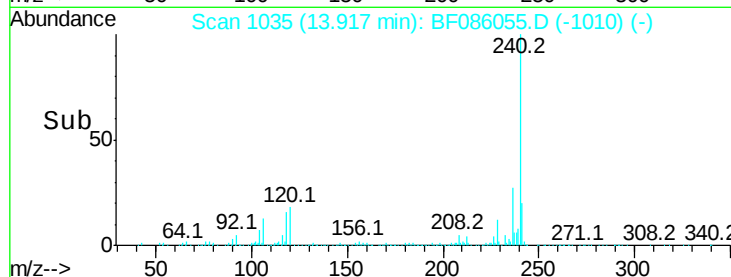
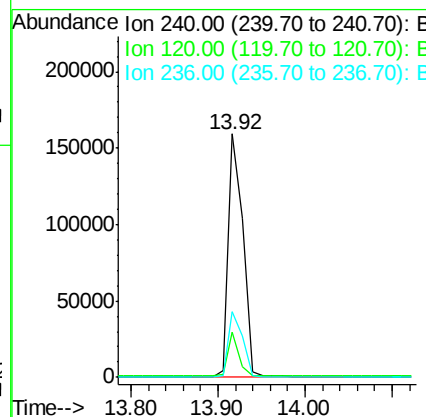
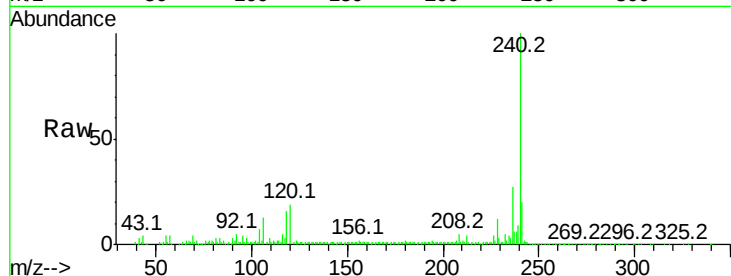
ClientSampleId :

COMP-OFL4-AND-L5

Tot Ion:	240	Resp:	191493
Ion Ratio	Lower	Upper	
240	100		
120	18.6	13.8	20.8
236	26.8	20.6	30.8

Manual Integrations
APPROVED

Sohil
4/5/2016 6:39:13 PM



#77

Pyrene

Concen: 5.16 ng

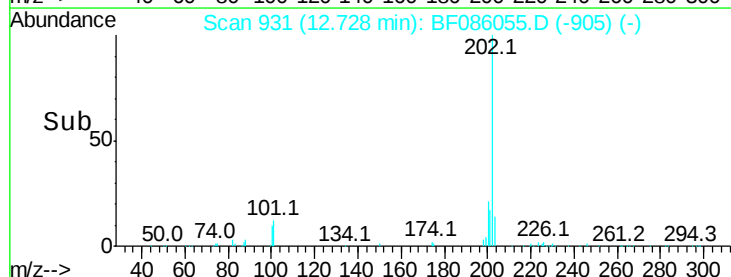
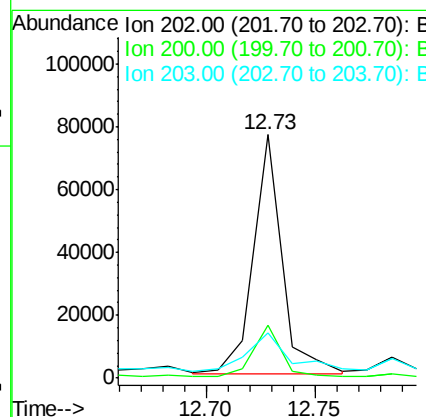
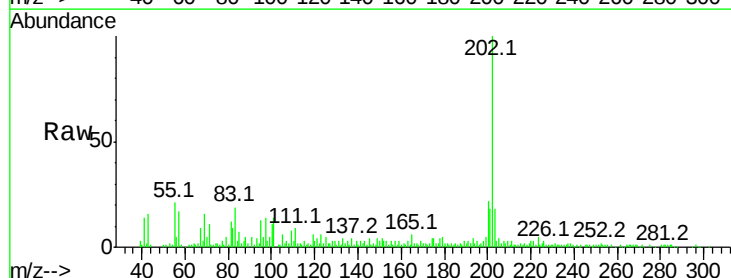
RT: 12.73 min Scan# 931

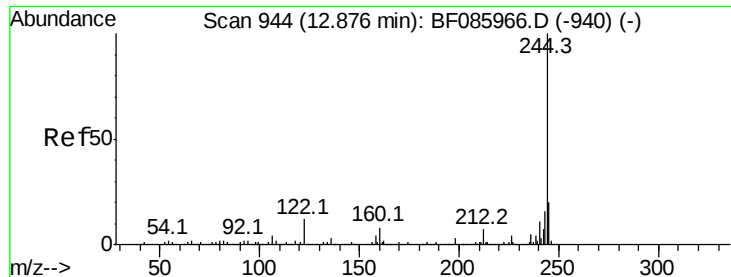
Delta R.T. 0.00 min

Lab File: BF086055.D

Acq: 4 Apr 2016 23:33

Tgt Ion:	202	Resp:	69675
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.6	26.4
203	18.4	14.0	21.0





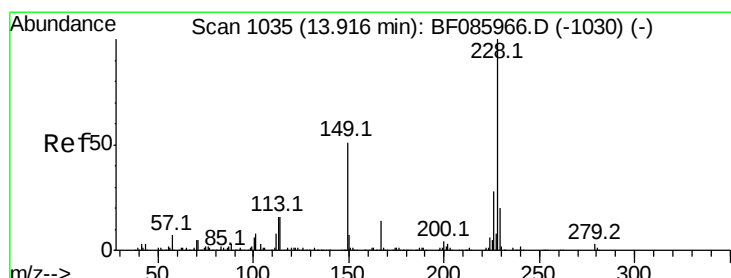
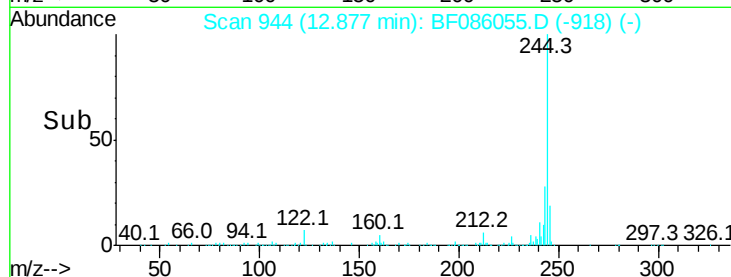
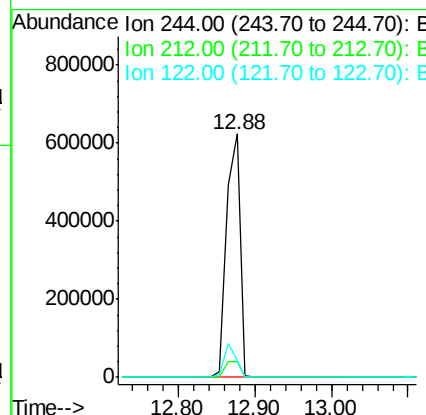
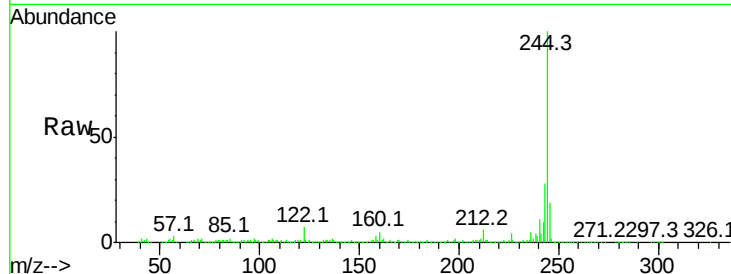
#78
 Terphenyl-d14
 Concen: 96.53 ng
 RT: 12.88 min Scan# 944
 Delta R.T. 0.00 min
 Lab File: BF086055.D
 Acq: 4 Apr 2016 23:33

Instrument :
 BNA_F
 ClientSampleId :
 COMP-OFL4-AND-L5

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	6.1	9.1
122	7.1	10.2	15.4#

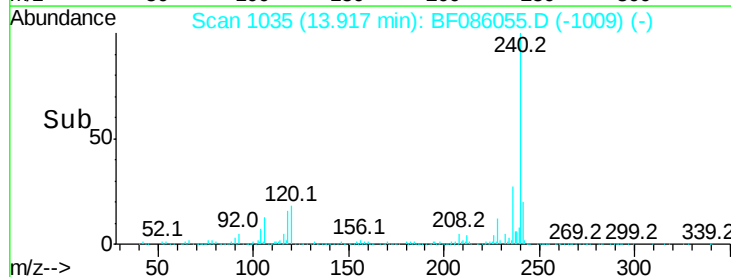
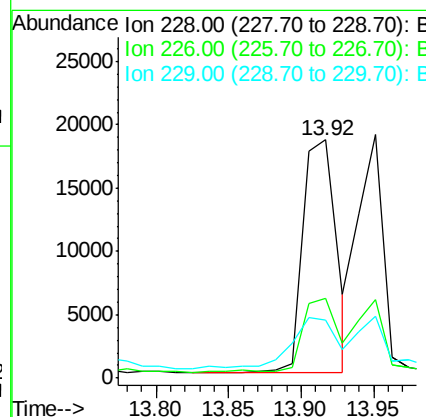
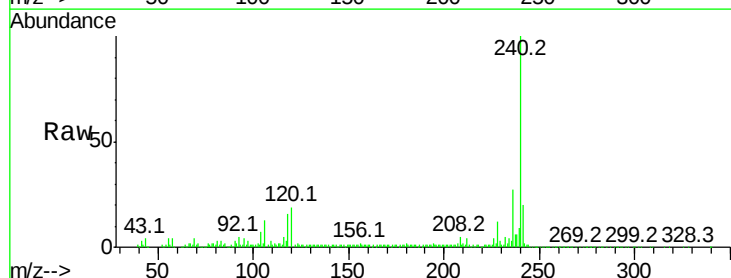
Manual Integrations
 APPROVED

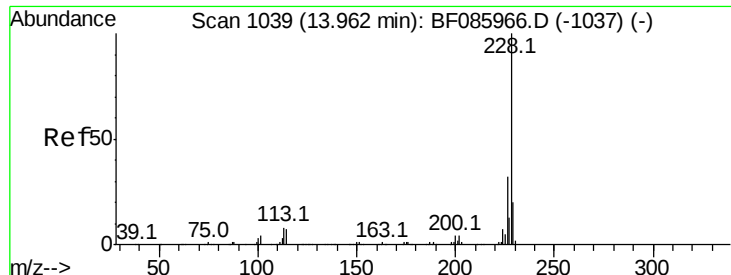
Sohil
 4/5/2016 6:39:13 PM



#80
 Benzo(a)anthracene
 Concen: 2.64 ng
 RT: 13.92 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: BF086055.D
 Acq: 4 Apr 2016 23:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.8	22.1	33.1#
229	24.4	16.2	24.4#





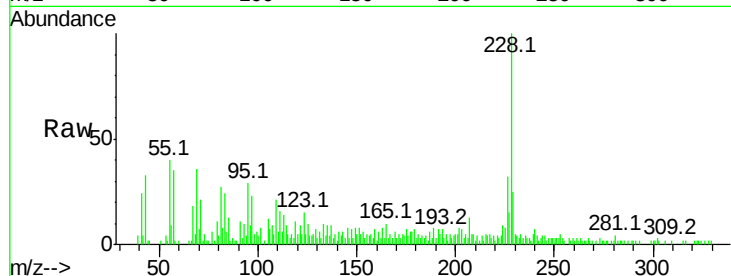
#82
Chrysene
Concen: 2.20 ng/ml
RT: 13.95 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF086055.D
Acq: 4 Apr 2016 23:33

Instrument :
BNA_F
ClientSampleId :
COMP-OFL4-AND-L5

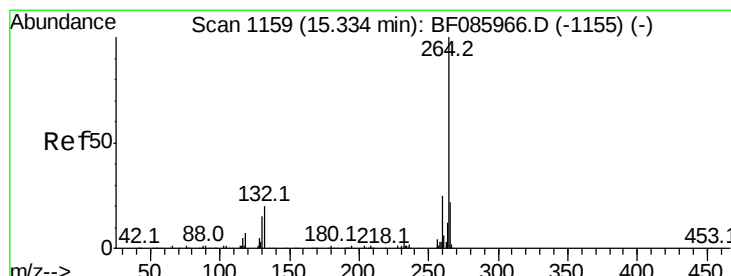
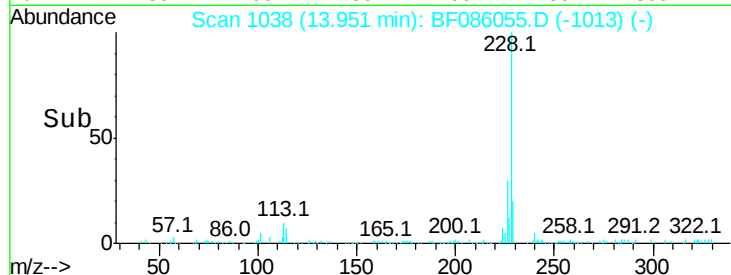
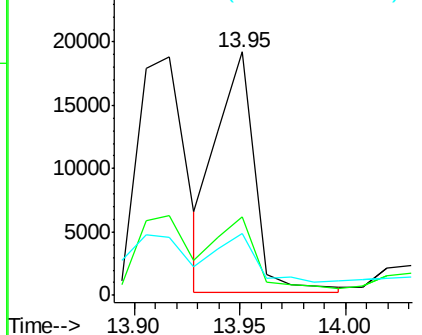
Tot Ion:	228	Resp:	23918
Ion Ratio	Lower	Upper	
228	100		
226	32.3	25.0	37.6
229	25.2	15.7	23.5

Manual Integrations
APPROVED

Sohil
4/5/2016 6:39:13 PM



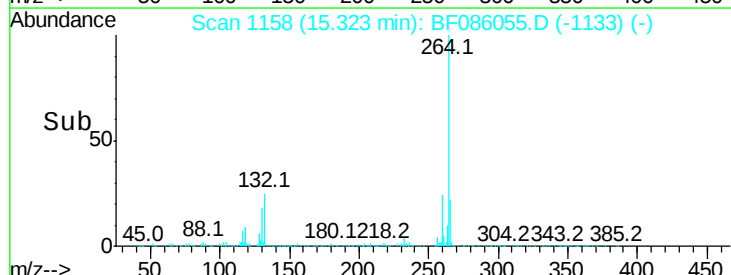
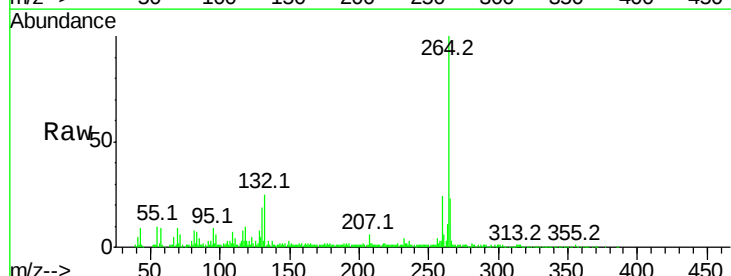
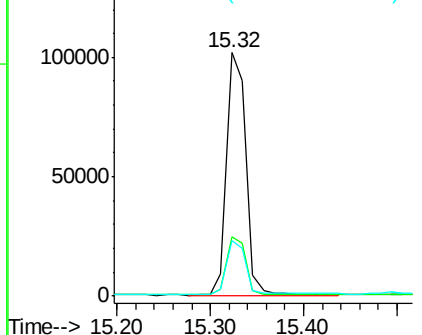
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

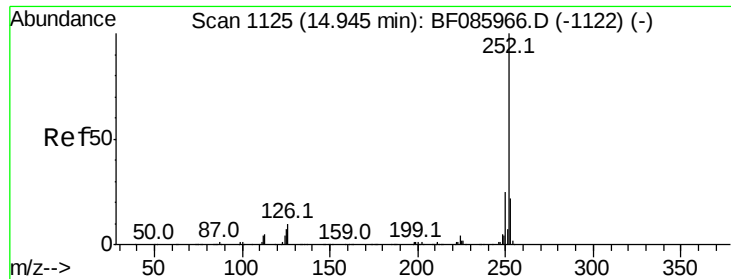


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.32 min Scan# 1158
Delta R.T. -0.01 min
Lab File: BF086055.D
Acq: 4 Apr 2016 23:33

Tgt Ion:	264	Resp:	147004
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.4	29.2
265	22.7	17.2	25.8

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: 3.27 ng

RT: 14.93 min Scan# 1124

Delta R.T. -0.01 min

Lab File: BF086055.D

Acq: 4 Apr 2016 23:33

Instrument :

BNA_F

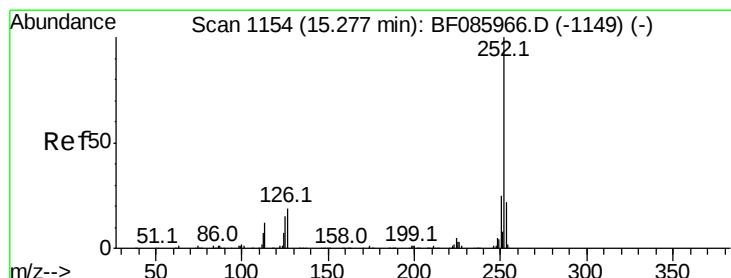
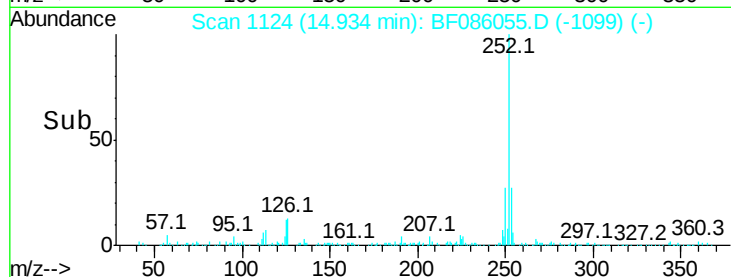
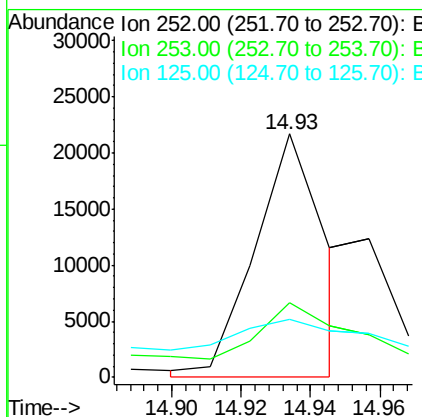
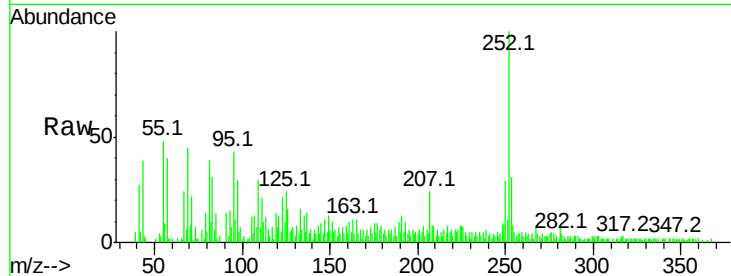
ClientSampleId :

COMP-OFL4-AND-L5

Tot Ion:	252	Resp:	30200
Ion Ratio	Lower	Upper	
252	100		
253	30.7	17.6	26.4#
125	23.6	10.3	15.5#

Manual Integrations
APPROVED

Sohil
4/5/2016 6:39:13 PM



#89

Benzo(a)pyrene

Concen: 2.46 ng

RT: 15.28 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BF086055.D

Acq: 4 Apr 2016 23:33

Tgt Ion:	252	Resp:	20143
Ion Ratio	Lower	Upper	
252	100		
253	29.3	17.4	26.0#
125	28.6	10.3	15.5#

