

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052516\
 Data File : BF087397.D
 Acq On : 26 May 2016 5:53
 Operator : UM/SJ
 Sample : H3220-06
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-35-COMP

Manual Integrations
 APPROVED

sohil
 5/26/2016 6:36:53 PM

Quant Time: May 26 08:44:51 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 16:26:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	102108	20.00	ng	0.00
21) Naphthalene-d8	9.55	136	397145	20.00	ng	0.00
38) Acenaphthene-d10	12.38	164	167562	20.00	ng	-0.01
63) Phenanthrene-d10	14.78	188	283903	20.00	ng	0.00
75) Chrysene-d12	18.47	240	234202	20.00	ng	-0.01
86) Perylene-d12	20.14	264	161094	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	945365	162.69	ng	0.03
7) Phenol-d6	7.10	99	1226561	156.21	ng	0.02
23) Nitrobenzene-d5	8.44	82	866108	109.91	ng	0.00
41) 2,4,6-Tribromophenol	13.68	330	229643	142.62	ng	0.00
44) 2-Fluorobiphenyl	11.34	172	1281714	107.84	ng	0.00
78) Terphenyl-d14	17.13	244	972752	88.30	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	12.02	163	128720	9.59	ng	99
74) Fluoranthene	16.58	202	51305	3.25	ng	91
77) Pyrene	16.88	202	51382	3.05	ng	97
80) Benzo(a)anthracene	18.46	228	32665	2.45	ng	94
82) Chrysene	18.50	228	30045	2.27	ng	99
87) Benzo(b)fluoranthene	19.74	252	41556m	4.05	ng	
89) Benzo(a)pyrene	20.09	252	25620	2.89	ng	95
91) Benzo(g,h,i)perylene	21.74	276	16271	2.18	ng	94

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

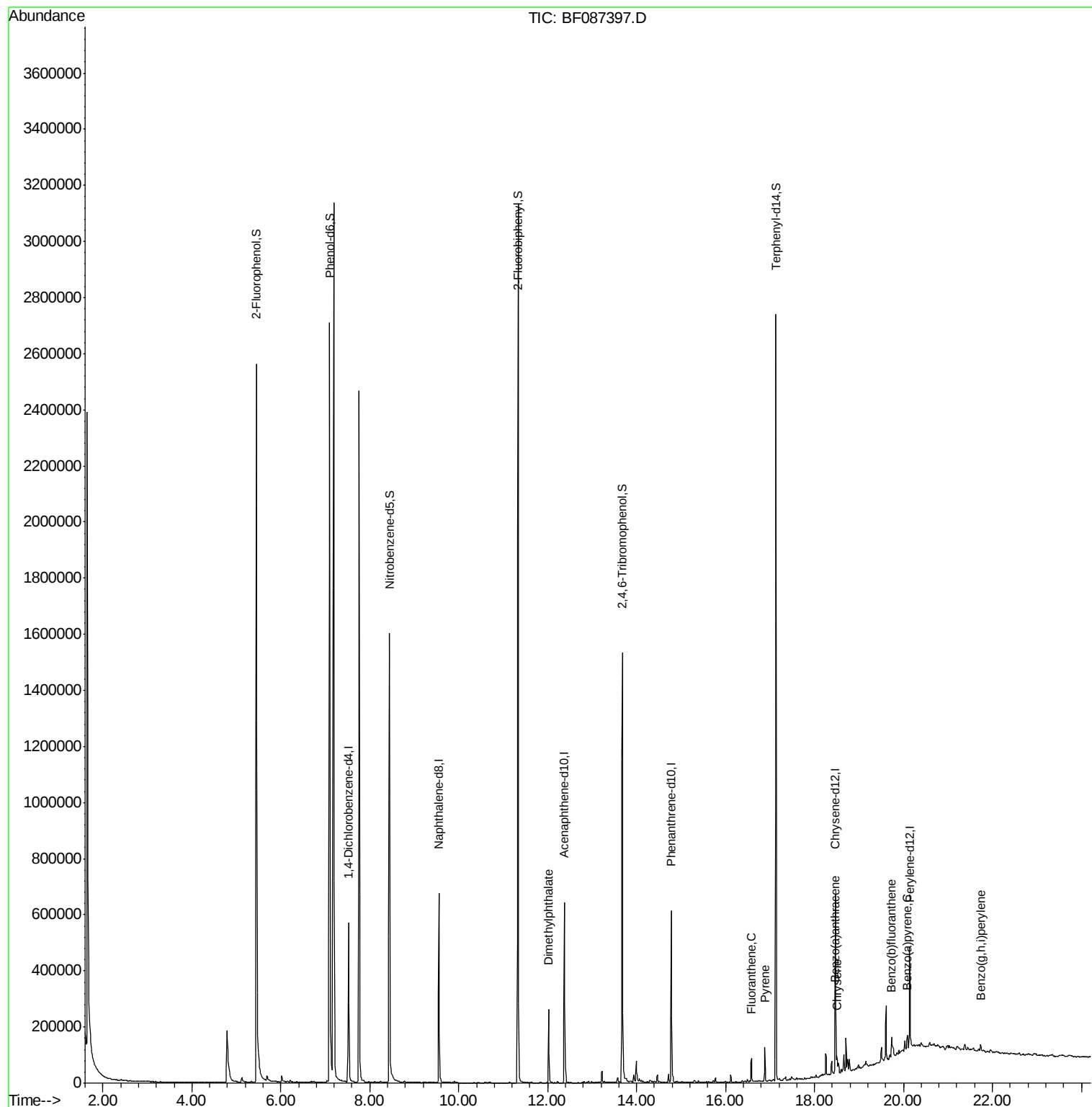
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052516\
Data File : BF087397.D
Acq On : 26 May 2016 5:53
Operator : UM/SJ
Sample : H3220-06
Misc :
ALS Vial : 30 Sample Multiplier: 1

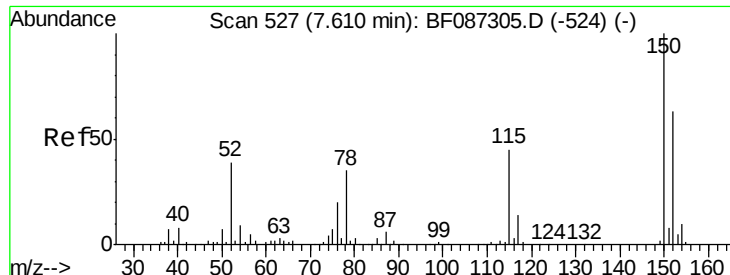
Instrument :
BNA_F
ClientSampleId :
SB-35-COMP

Manual Integrations
APPROVED

sohil
5/26/2016 6:36:53 PM

Quant Time: May 26 08:44:51 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 25 16:26:52 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.52 min Scan# 519

Delta R.T. 0.00 min

Lab File: BF087397.D

Acq: 26 May 2016 5:53

Instrument :

BNA_F

ClientSampleId :

SB-35-COMP

Tot Ion:152 Resp: 102108

Ion Ratio Lower Upper

152 100

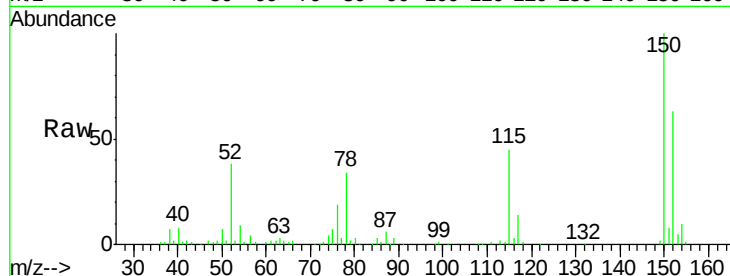
150 158.0 125.8 188.6

115 70.3 51.5 77.3

Manual Integrations
APPROVED

sohil

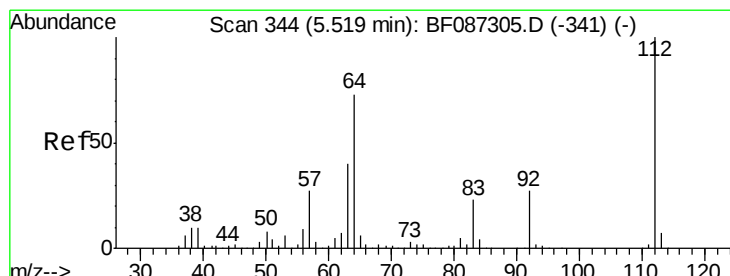
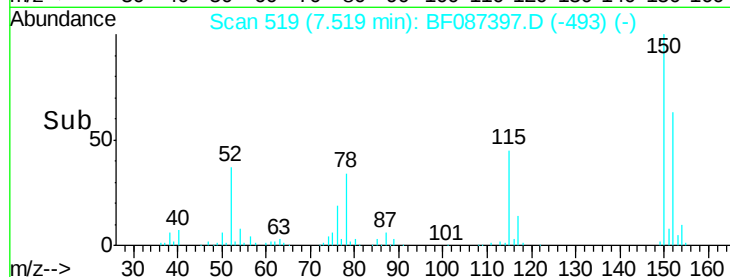
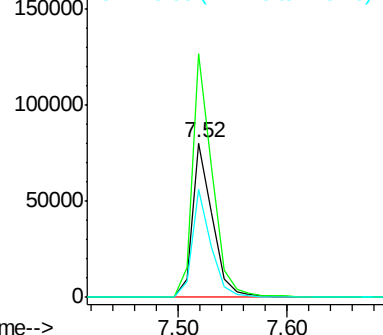
5/26/2016 6:36:53 PM



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 162.69 ng

RT: 5.45 min Scan# 338

Delta R.T. 0.03 min

Lab File: BF087397.D

Acq: 26 May 2016 5:53

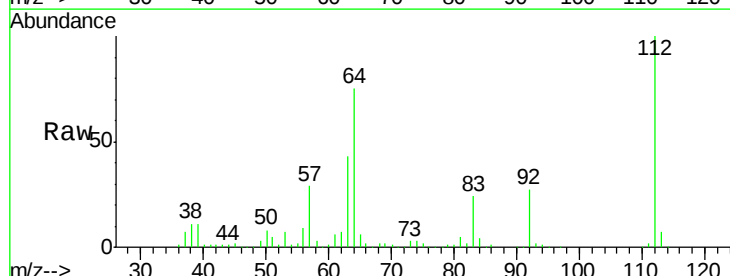
Tgt Ion:112 Resp: 945365

Ion Ratio Lower Upper

112 100

64 75.1 52.1 78.1

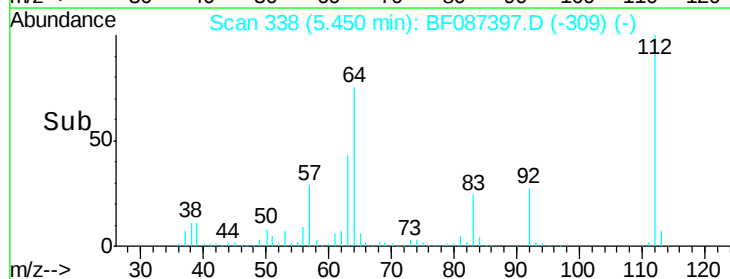
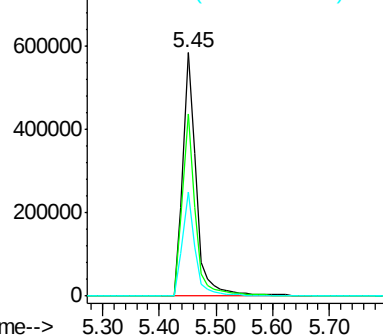
63 42.7 25.7 38.5#

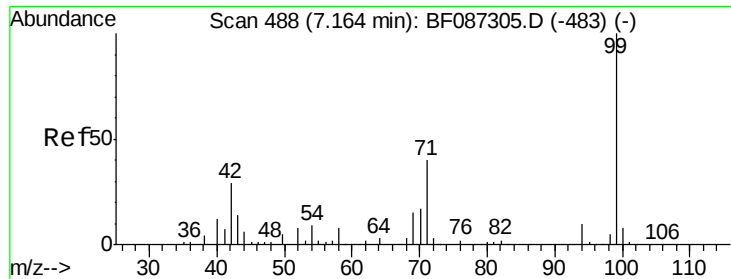


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 156.21 ng

RT: 7.10 min Scan# 482

Delta R.T. 0.02 min

Lab File: BF087397.D

Acq: 26 May 2016 5:53

Instrument :

BNA_F

ClientSampled :

SB-35-COMP

Tot Ion: 99 Resp: 1226561

Ion Ratio Lower Upper

99 100

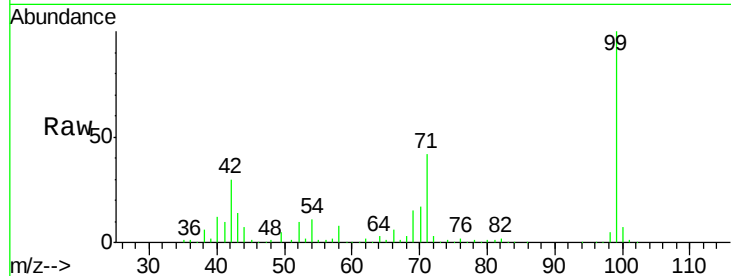
42 30.2 13.6 20.4#

71 41.6 24.6 36.8#

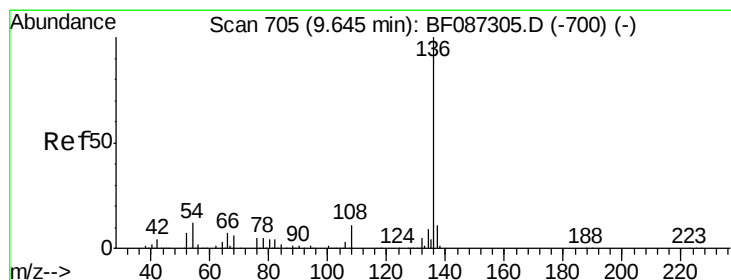
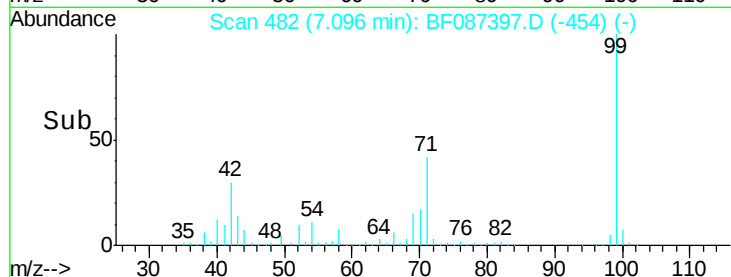
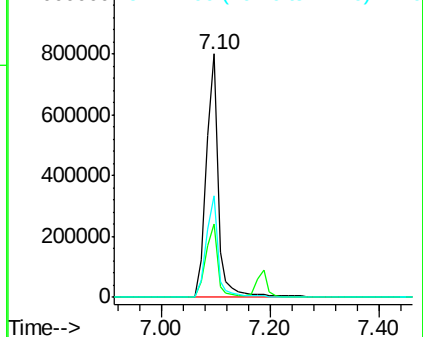
Manual Integrations
APPROVED

sohil

5/26/2016 6:36:53 PM



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.55 min Scan# 697

Delta R.T. 0.00 min

Lab File: BF087397.D

Acq: 26 May 2016 5:53

Tgt Ion: 136 Resp: 397145

Ion Ratio Lower Upper

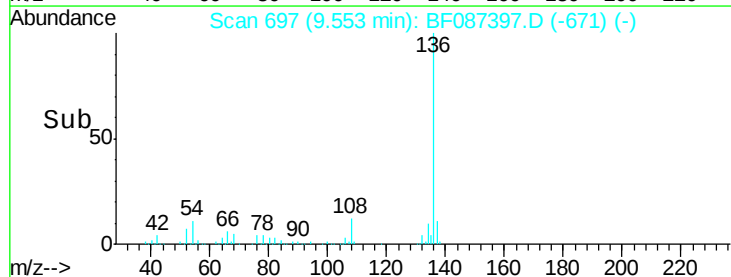
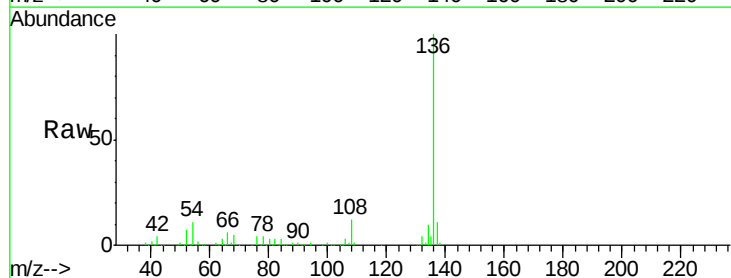
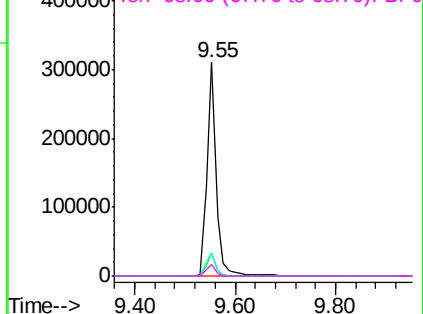
136 100

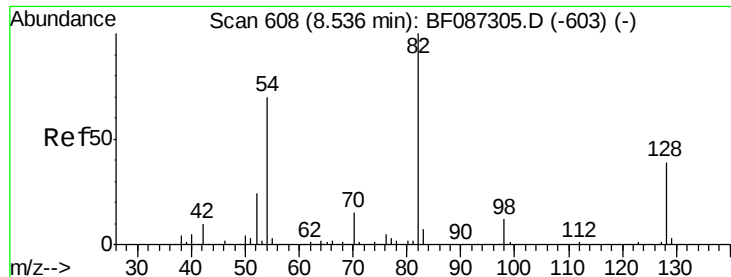
137 10.8 8.8 13.2

54 10.7 5.0 7.4#

68 5.2 4.4 6.6

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





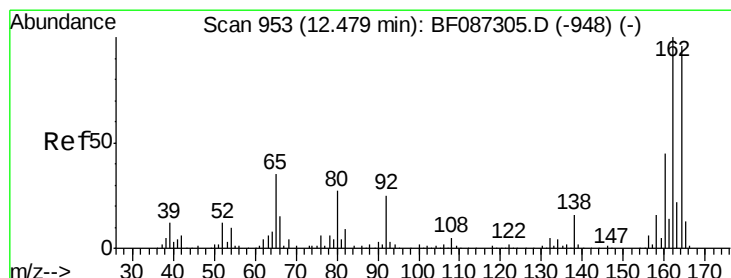
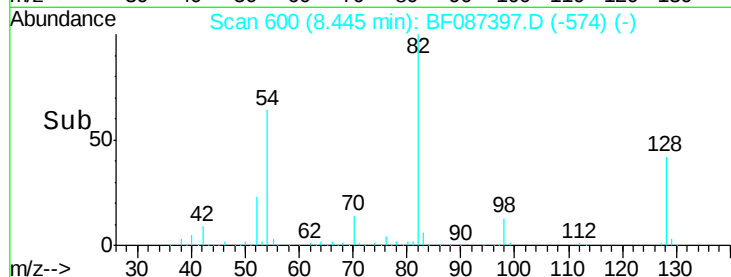
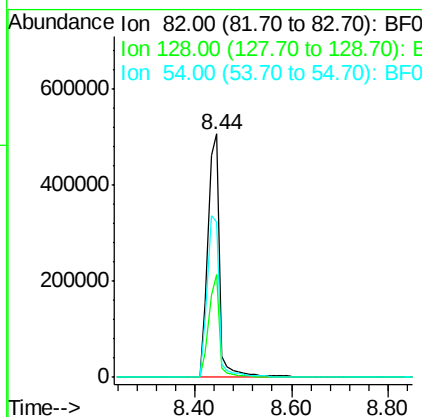
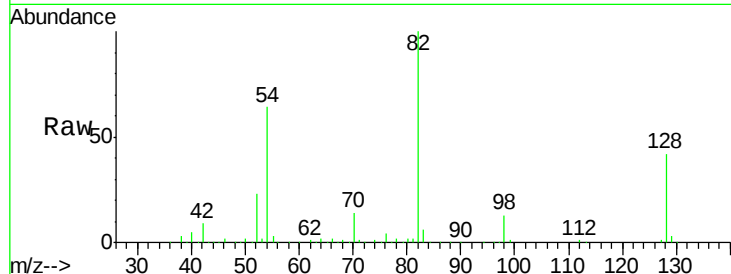
#23
 Nitrobenzene-d5
 Concen: 109.91 ng
 RT: 8.44 min Scan# 600
 Delta R.T. 0.00 min
 Lab File: BF087397.D
 Acq: 26 May 2016 5:53

Instrument :
 BNA_F
 ClientSampleId :
 SB-35-COMP

Tot Ion	Ratio	Resp	Lower	Upper
82	100	866108		
128	42.3	40.6	61.0	
54	63.9	38.1	57.1	

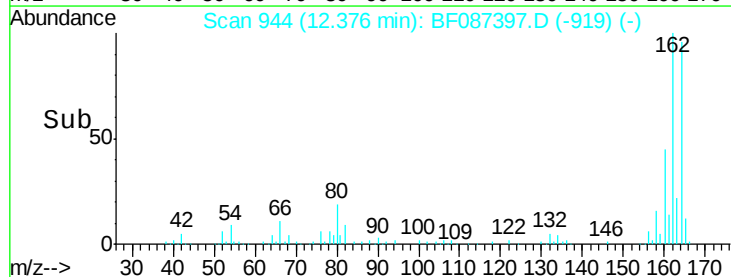
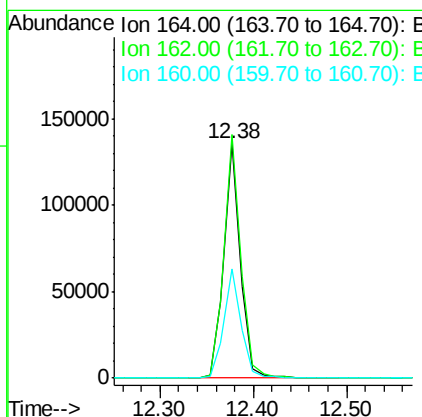
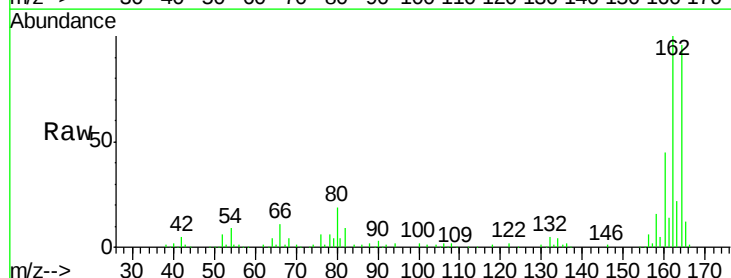
Manual Integrations
 APPROVED

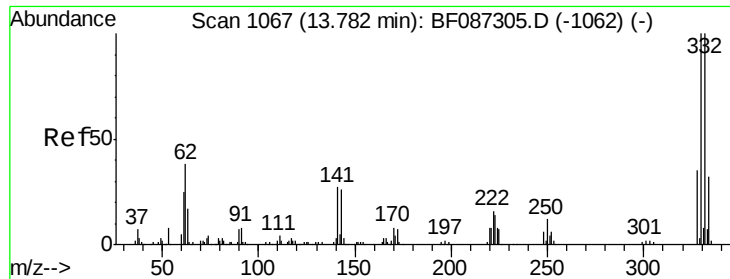
sohil
 5/26/2016 6:36:53 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.38 min Scan# 944
 Delta R.T. -0.01 min
 Lab File: BF087397.D
 Acq: 26 May 2016 5:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	167562		
162	104.0	82.8	124.2	
160	46.8	36.9	55.3	





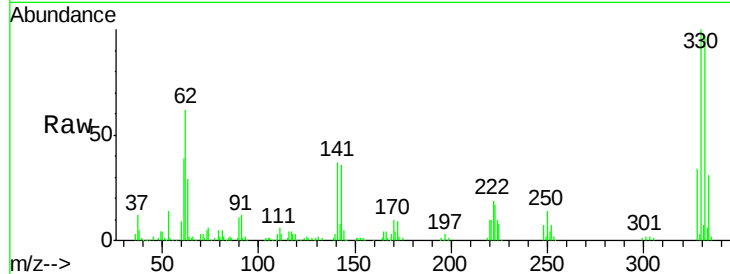
#41
 2,4,6-Tribromophenol
 Concen: 142.62 ng
 RT: 13.68 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: BF087397.D
 Acq: 26 May 2016 5:53

Instrument :
 BNA_F
 ClientSampleId :
 SB-35-COMP

Tot Ion	Ratio	Resp	Lower	Upper
330	100	229643		
332	96.8	79.0	118.4	
141	45.3	31.2	46.8	

Manual Integrations
 APPROVED

sohil
 5/26/2016 6:36:53 PM

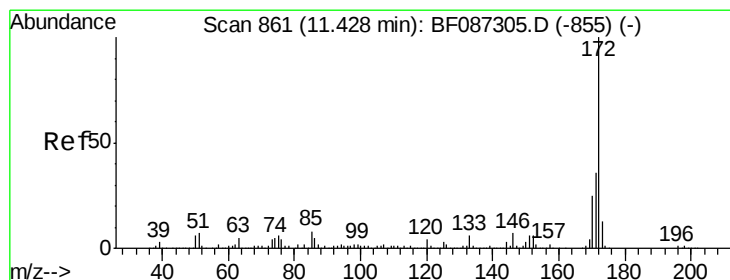
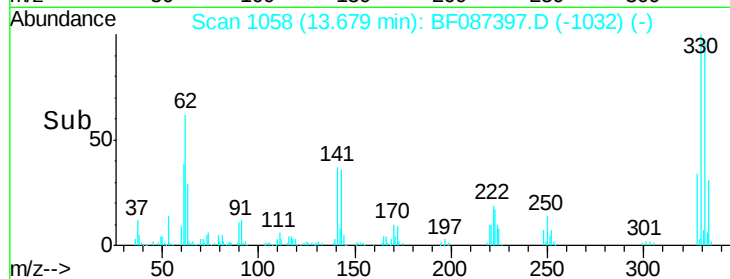
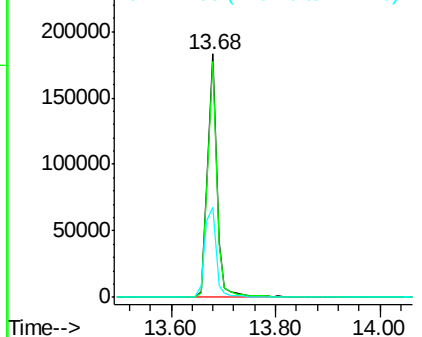


Abundance

Ion 329.80 (329.50 to 330.50): E

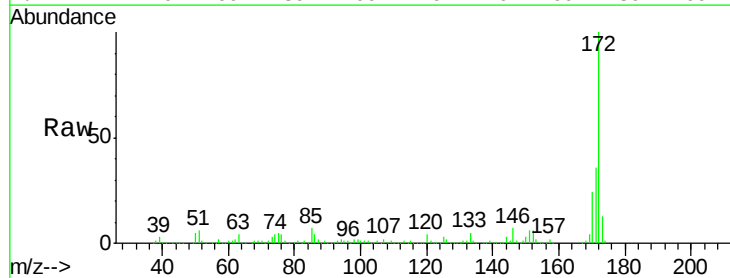
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 107.84 ng
 RT: 11.34 min Scan# 853
 Delta R.T. 0.00 min
 Lab File: BF087397.D
 Acq: 26 May 2016 5:53

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1281714		
171	35.8	29.0	43.6	
170	24.2	19.8	29.8	

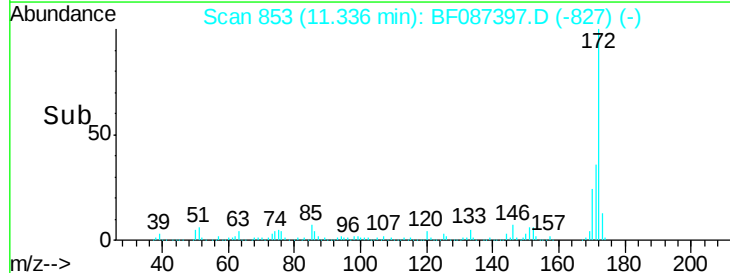
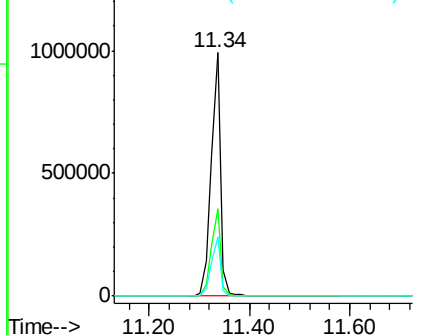


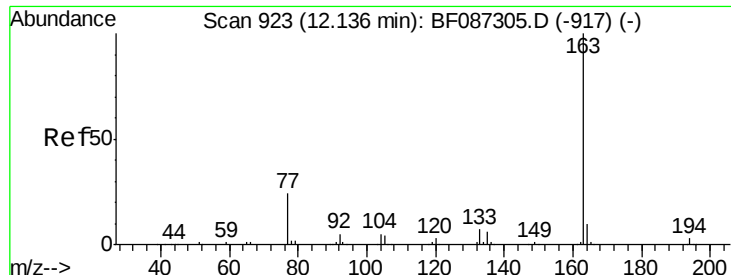
Abundance

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





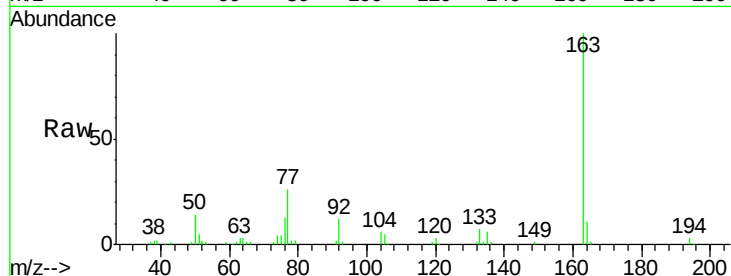
#49
Dimethylphthalate
Concen: 9.59 ng
RT: 12.02 min Scan# 913
Delta R.T. -0.02 min
Lab File: BF087397.D
Acq: 26 May 2016 5:53

Instrument :
BNA_F
ClientSampleId :
SB-35-COMP

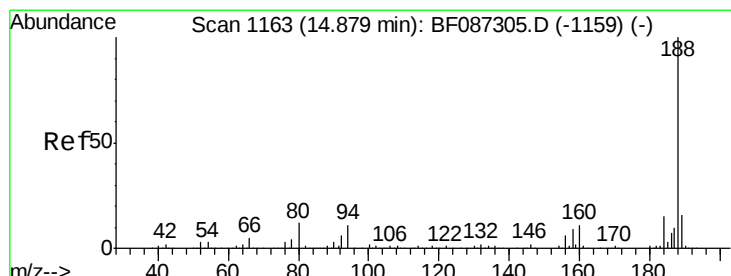
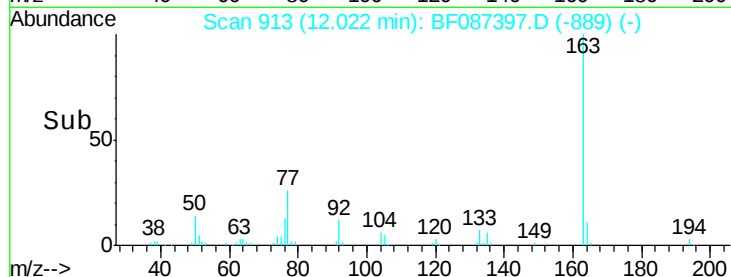
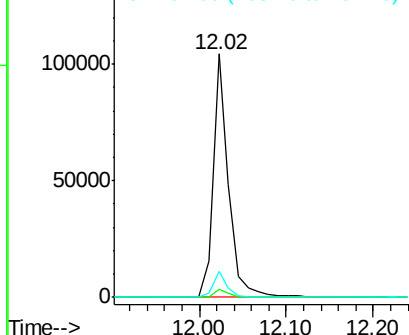
Tot Ion	Ratio	Resp	Lower	Upper
163	100	128720		
194	3.2	2.6	4.0	
164	10.6	8.2	12.4	

Manual Integrations
APPROVED

sohil
5/26/2016 6:36:53 PM

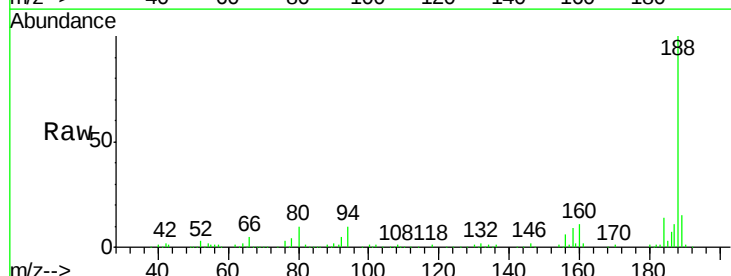


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

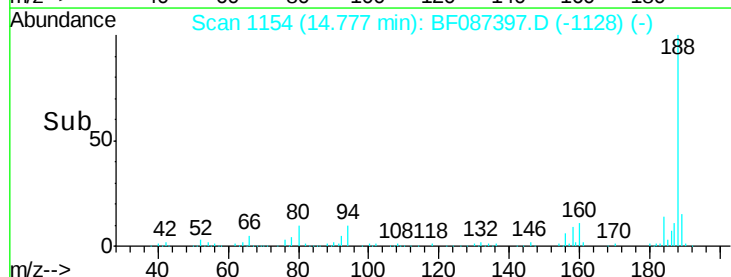
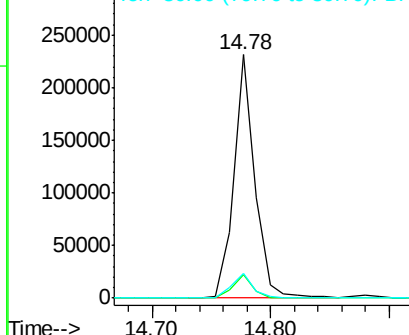


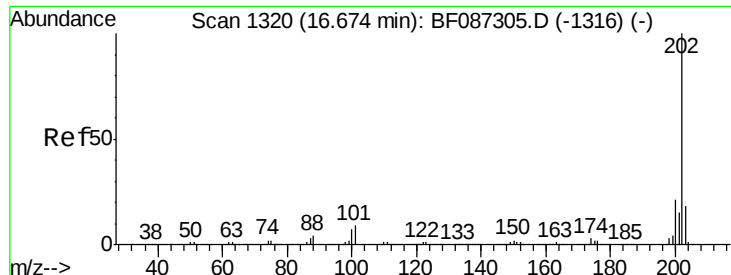
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.78 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BF087397.D
Acq: 26 May 2016 5:53

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	283903		
94	9.7	6.8	10.2	
80	10.3	7.1	10.7	



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





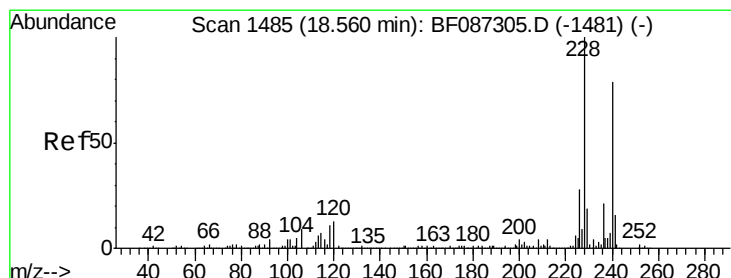
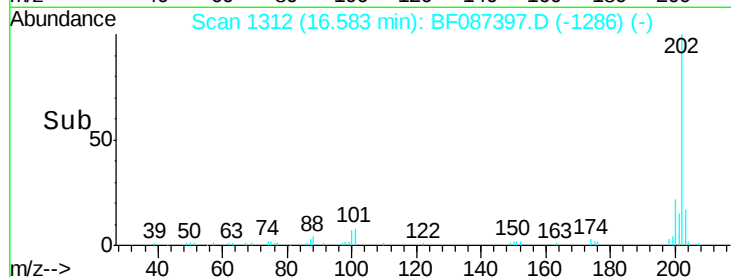
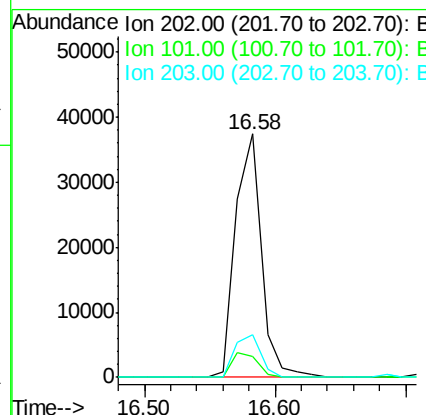
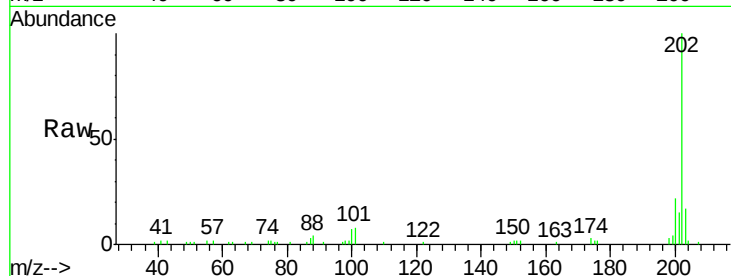
#74
 Fluoranthene
 Concen: 3.25 ng
 RT: 16.58 min Scan# 1312
 Delta R.T. 0.00 min
 Lab File: BF087397.D
 Acq: 26 May 2016 5:53

Instrument :
 BNA_F
 ClientSampleId :
 SB-35-COMP

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	8.4	0.0	35.4
203	17.3	0.0	38.1

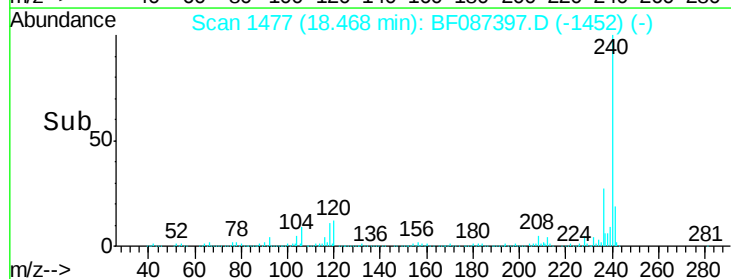
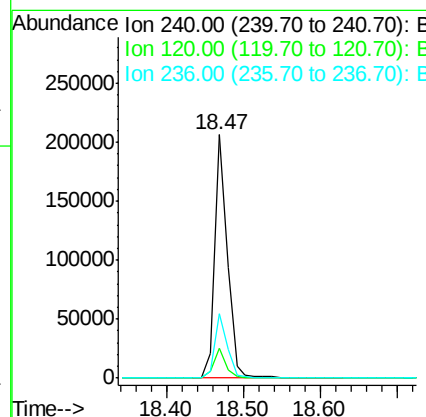
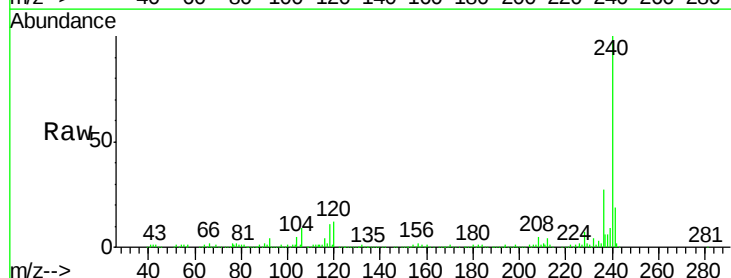
Manual Integrations
 APPROVED

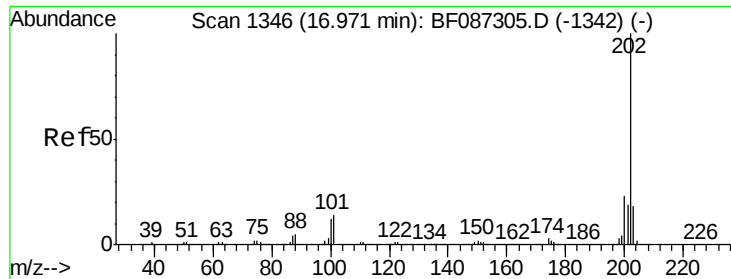
sohil
 5/26/2016 6:36:53 PM



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.47 min Scan# 1477
 Delta R.T. -0.01 min
 Lab File: BF087397.D
 Acq: 26 May 2016 5:53

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.1	11.2	16.8
236	26.7	21.2	31.8





#77

Pvrene

Concen: 3.05 ng

RT: 16.88 min Scan# 1338

Delta R.T. 0.00 min

Lab File: BF087397.D

Acq: 26 May 2016 5:53

Instrument :

BNA_F

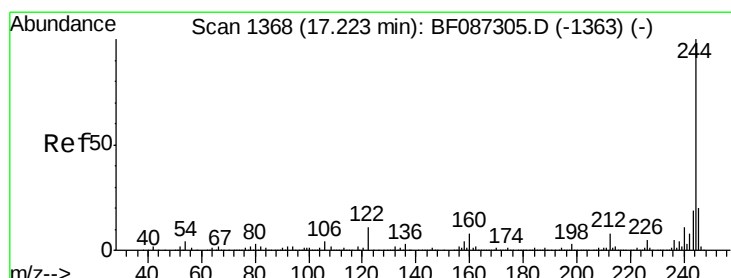
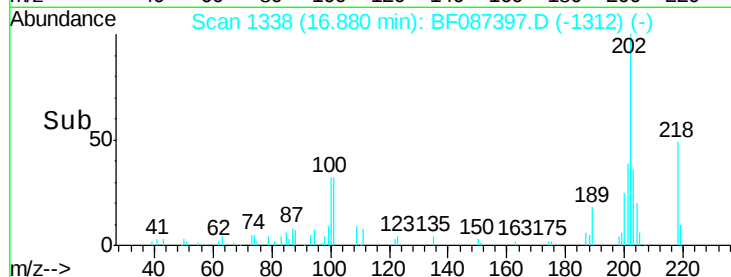
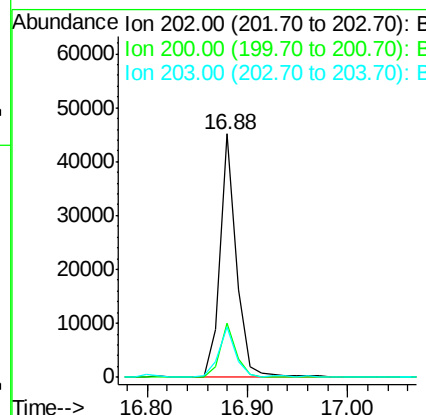
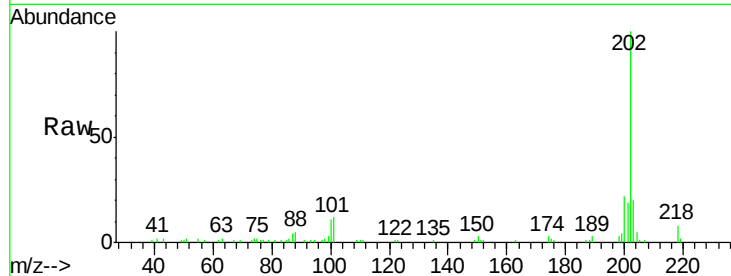
ClientSampleId :

SB-35-COMP

Tot Ion:	202	Resp:	51382
Ion Ratio	Lower	Upper	
202	100		
200	22.3	17.7	26.5
203	20.5	14.2	21.4

Manual Integrations
APPROVED

sohil
5/26/2016 6:36:53 PM



#78

Terphenyl-d14

Concen: 88.30 ng

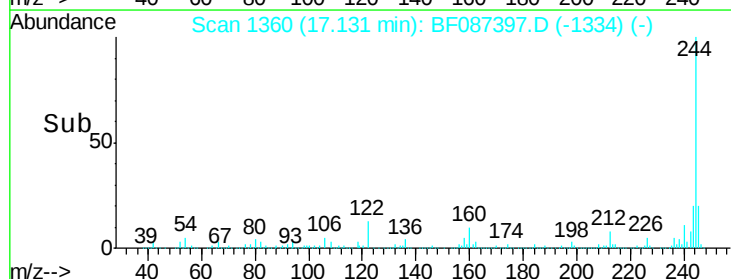
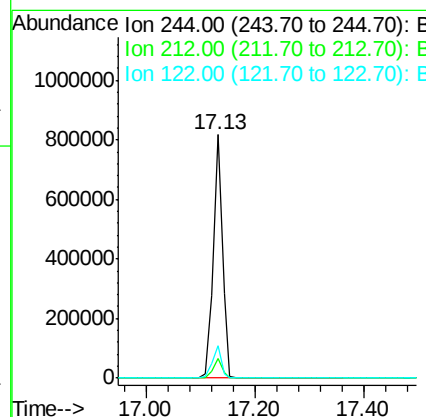
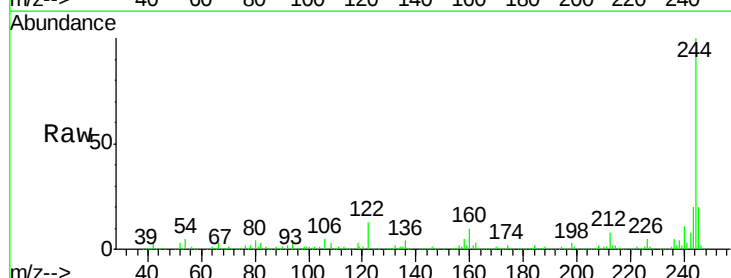
RT: 17.13 min Scan# 1360

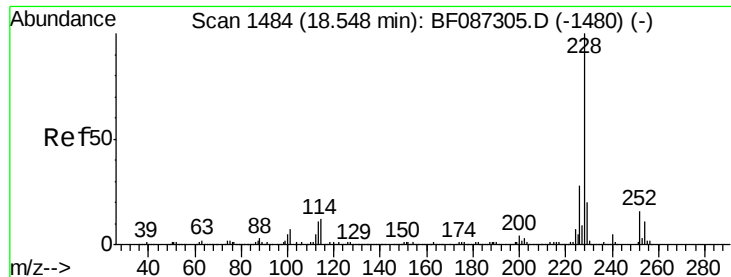
Delta R.T. 0.00 min

Lab File: BF087397.D

Acq: 26 May 2016 5:53

Tgt Ion:	244	Resp:	972752
Ion Ratio	Lower	Upper	
244	100		
212	8.2	6.2	9.2
122	13.4	12.0	18.0





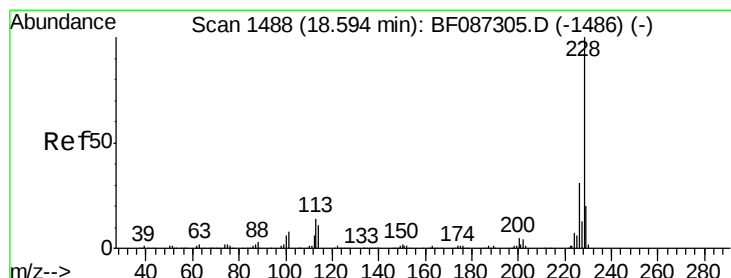
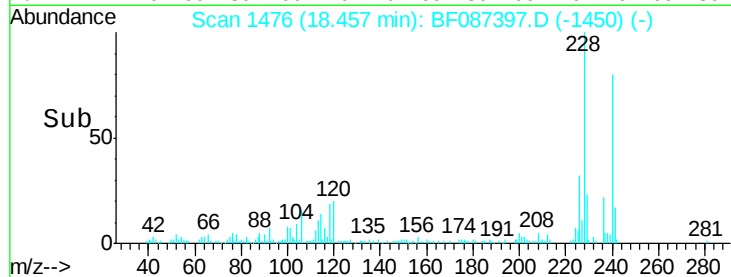
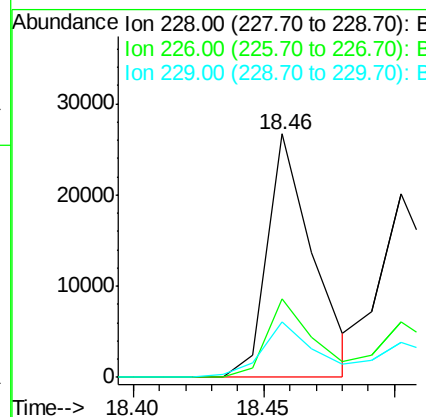
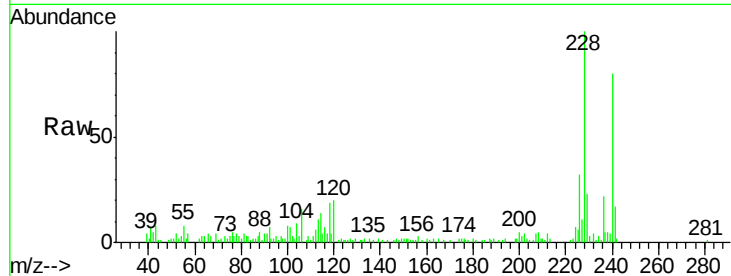
#80
Benzo(a)anthracene
Concen: 2.45 ng
RT: 18.46 min Scan# 1476
Delta R.T. 0.00 min
Lab File: BF087397.D
Acq: 26 May 2016 5:53

Instrument :
BNA_F
ClientSampleId :
SB-35-COMP

Tot Ion	Ratio	Resp	Lower	Upper
228	100	32665		
226	32.1		22.5	33.7
229	22.9		16.6	25.0

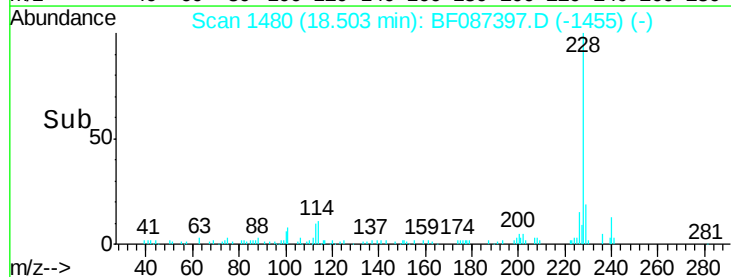
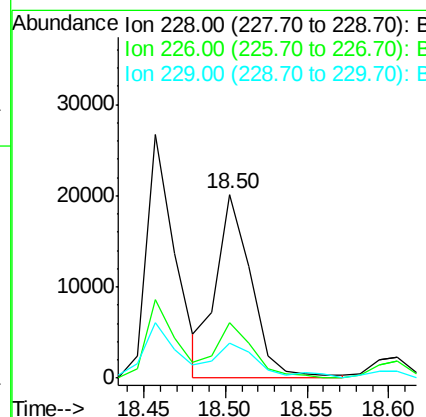
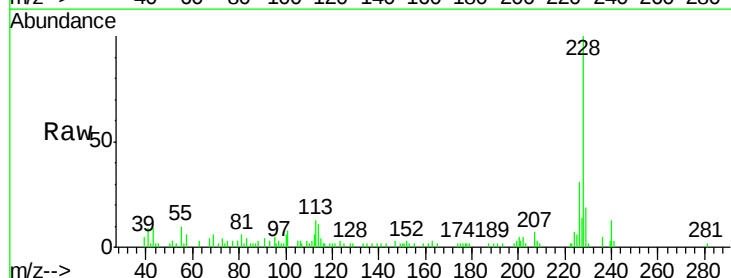
Manual Integrations
APPROVED

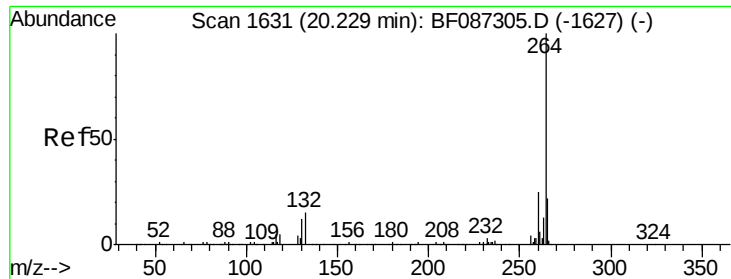
sohil
5/26/2016 6:36:53 PM



#82
Chrysene
Concen: 2.27 ng
RT: 18.50 min Scan# 1480
Delta R.T. -0.01 min
Lab File: BF087397.D
Acq: 26 May 2016 5:53

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	30045		
226	30.5		24.4	36.6
229	18.9		15.8	23.8





#86

Pervlene-d12

Concen: 20.00 ng

RT: 20.14 min Scan# 1623

Delta R.T. 0.00 min

Lab File: BF087397.D

Acq: 26 May 2016 5:53

Instrument :

BNA_F

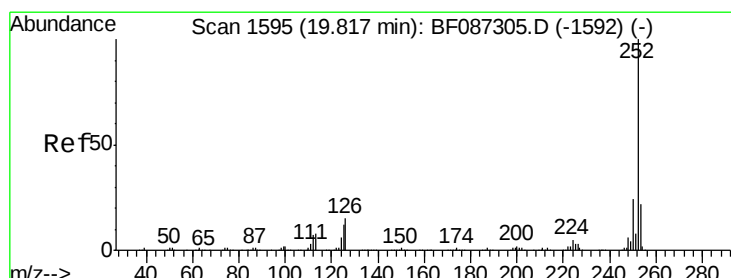
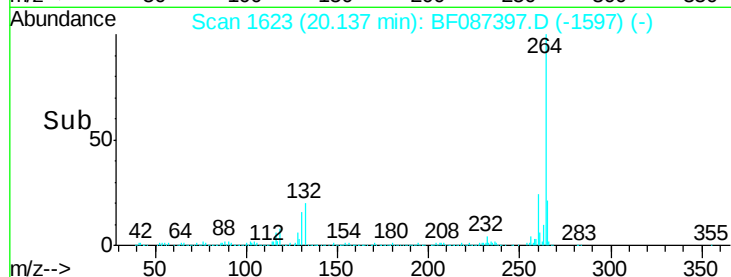
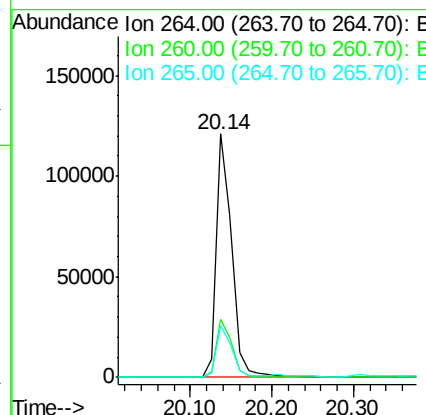
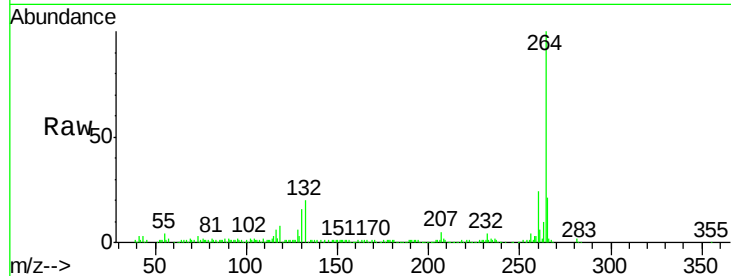
ClientSampleId :

SB-35-COMP

Tot Ion:	264	Resp:	161094
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.5	29.3
265	21.1	17.3	25.9

Manual Integrations
APPROVED

sohil
5/26/2016 6:36:53 PM



#87

Benzo(b)fluoranthene

Concen: 4.05 ng m

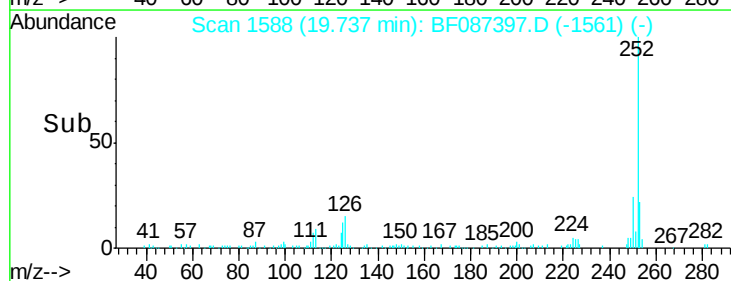
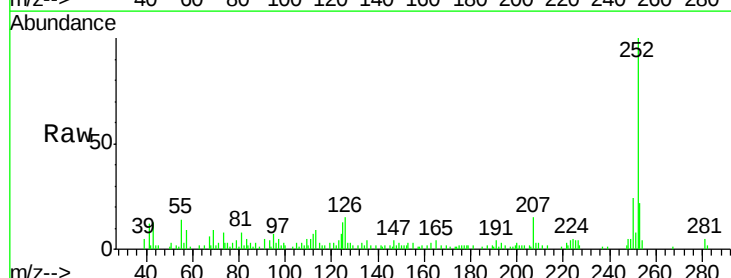
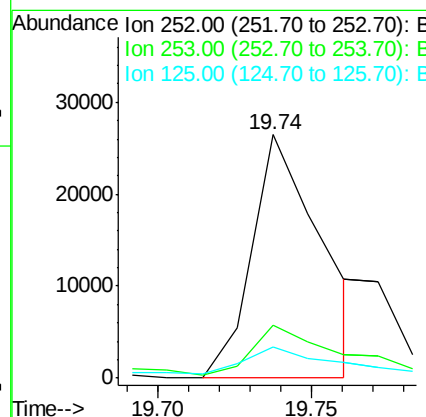
RT: 19.74 min Scan# 1588

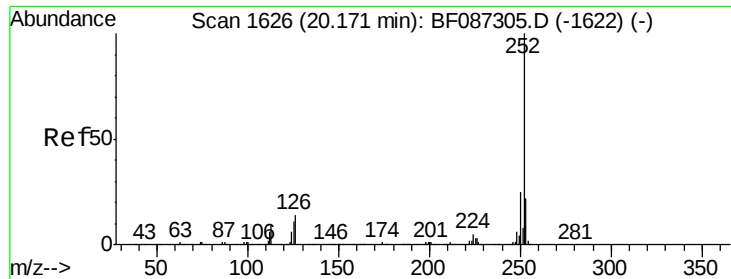
Delta R.T. 0.01 min

Lab File: BF087397.D

Acq: 26 May 2016 5:53

Tgt Ion:	252	Resp:	41556
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.8	26.6
125	12.9	11.4	17.0





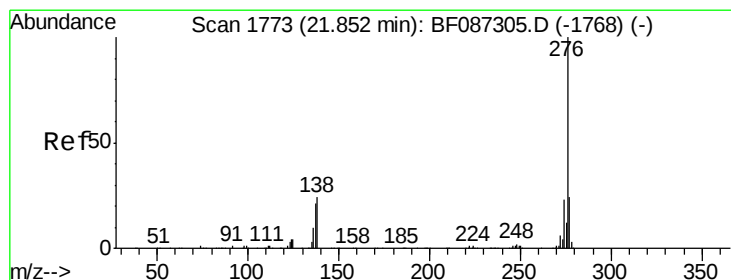
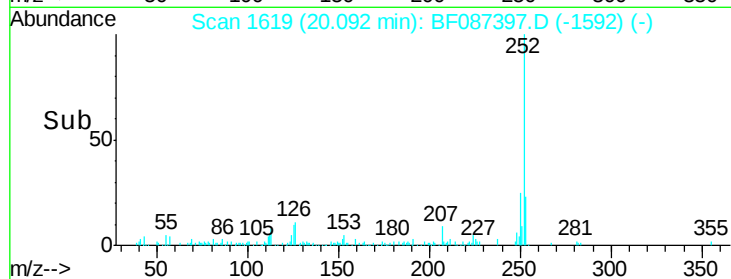
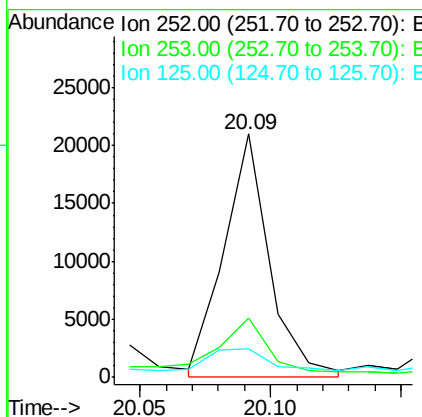
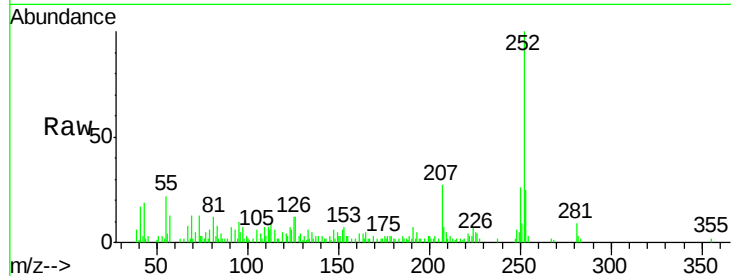
#89
Benzo(a)pyrene
Concen: 2.89 ng
RT: 20.09 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BF087397.D
Acq: 26 May 2016 5:53

Instrument :
BNA_F
ClientSampleId :
SB-35-COMP

Tot Ion:	252	Resp:	25620
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.2	25.8
125	12.0	9.0	13.6

Manual Integrations
APPROVED

sohil
5/26/2016 6:36:53 PM



#91
Benzo(g,h,i)perylene
Concen: 2.18 ng
RT: 21.74 min Scan# 1763
Delta R.T. 0.02 min
Lab File: BF087397.D
Acq: 26 May 2016 5:53

Tgt Ion:	276	Resp:	16271
Ion Ratio	Lower	Upper	
276	100		
277	26.2	19.6	29.4
138	25.4	23.6	35.4

