

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031416\
 Data File : BF085442.D
 Acq On : 14 Mar 2016 21:26
 Operator : UM/SJ
 Sample : H1722-08
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-28(0.5-2.5)

Manual Integrations
 APPROVED

Sohil
 3/15/2016 2:09:17 PM

Quant Time: Mar 15 03:55:04 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 04 00:54:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	187933	20.00	ng	-0.06
21) Naphthalene-d8	8.21	136	751432	20.00	ng	-0.06
38) Acenaphthene-d10	9.97	164	343422	20.00	ng	-0.06
63) Phenanthrene-d10	11.45	188	584641	20.00	ng	-0.06
75) Chrysene-d12	14.08	240	317891	20.00	ng	-0.07
86) Perylene-d12	15.55	264	319502	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	1239961	110.67	ng	-0.05
7) Phenol-d6	6.56	99	1821152	124.07	ng	-0.05
23) Nitrobenzene-d5	7.49	82	984953	70.14	ng	-0.06
41) 2,4,6-Tribromophenol	10.76	330	354441	120.62	ng	-0.06
44) 2-Fluorobiphenyl	9.29	172	1628063	72.10	ng	-0.06
78) Terphenyl-d14	13.03	244	1109437	81.02	ng	-0.06
Target Compounds						Qvalue
49) Dimethylphthalate	9.68	163	509444	19.33	ng	99
70) Phenanthrene	11.48	178	90778	2.96	ng	97
74) Fluoranthene	12.66	202	169675	5.52	ng	93
77) Pyrene	12.89	202	150059	6.27	ng	97
80) Benzo(a)anthracene	14.07	228	74930	3.94	ng	99
82) Chrysene	14.11	228	50647m	2.88	ng	
85) Indeno(1,2,3-cd)pyrene	16.99	276	35778	2.61	ng	# 88
87) Benzo(b)fluoranthene	15.12	252	81039m	3.81	ng	
89) Benzo(a)pyrene	15.48	252	57378	3.25	ng	# 96
91) Benzo(g,h,i)perylene	17.42	276	38813	2.56	ng	94

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

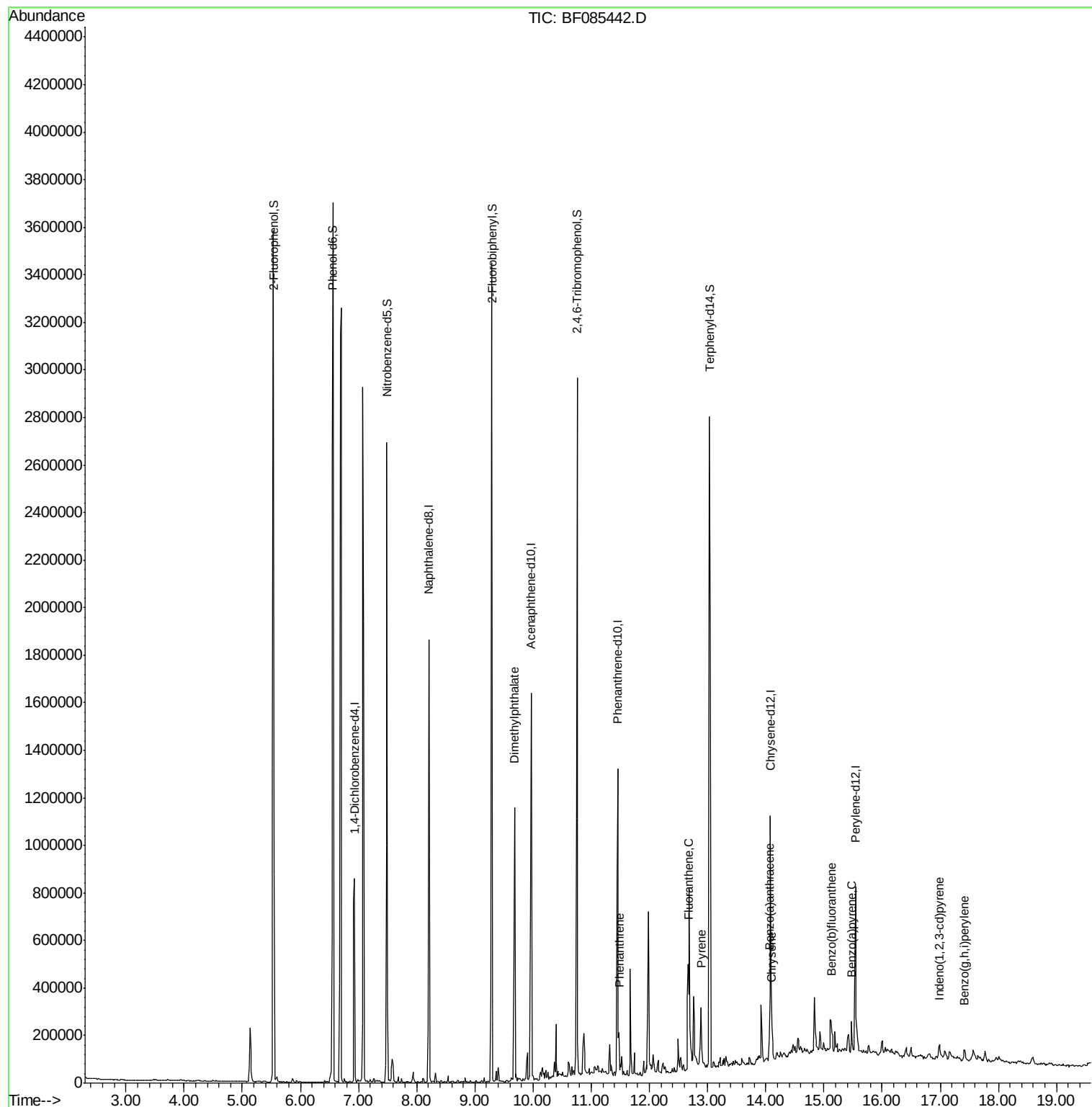
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031416\
Data File : BF085442.D
Acq On : 14 Mar 2016 21:26
Operator : UM/SJ
Sample : H1722-08
Misc :
ALS Vial : 24 Sample Multiplier: 1

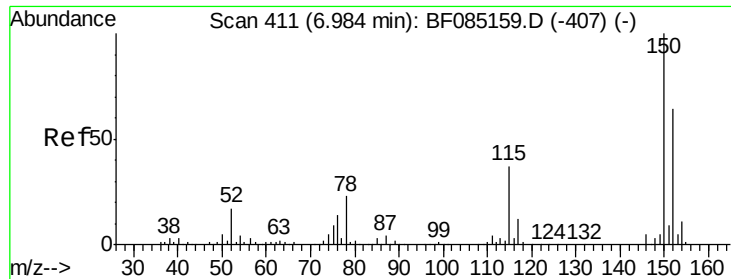
Instrument :
BNA_F
ClientSampleId :
W170TH-SB-28(0.5-2.5)

Manual Integrations
APPROVED

Sohil
3/15/2016 2:09:17 PM

Quant Time: Mar 15 03:55:04 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 04 00:54:58 2016
Response via : Initial Calibration





#1

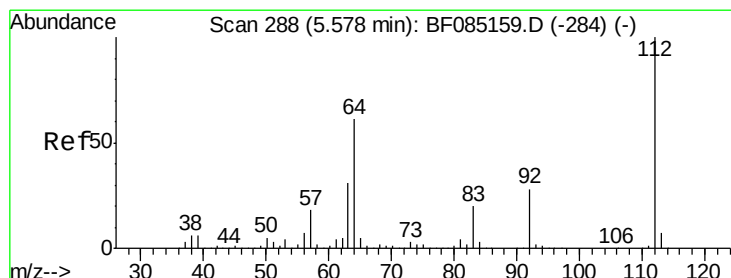
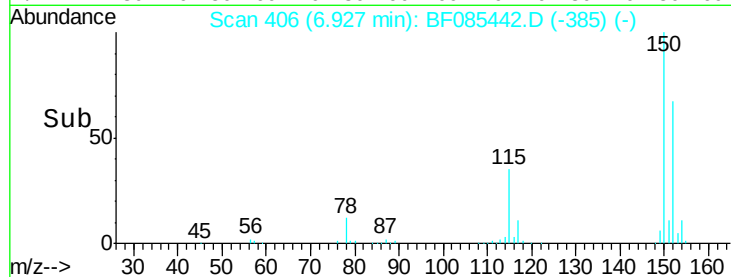
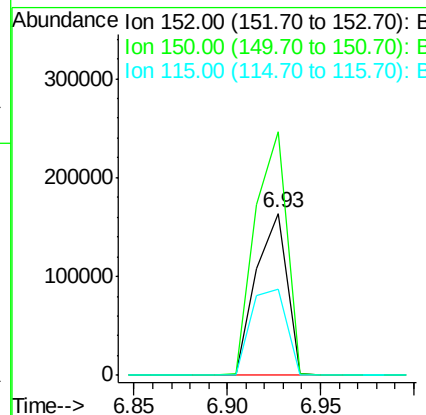
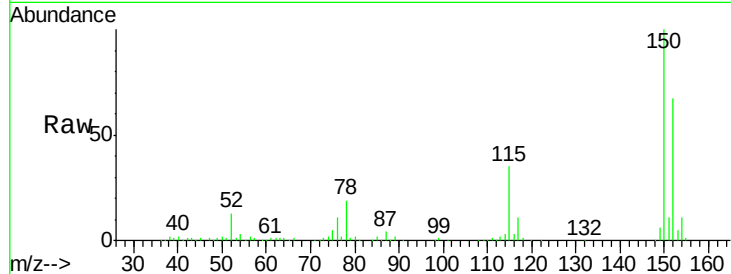
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.93 min Scan# 406
Delta R.T. -0.06 min
Lab File: BF085442.D
Acq: 14 Mar 2016 21:26

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-28(0.5-2.5)

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	187933		
150	150.1	124.6	186.8	
115	52.9	46.6	70.0	

Manual Integrations
APPROVED

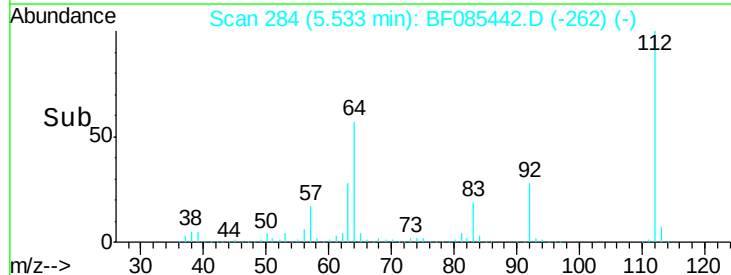
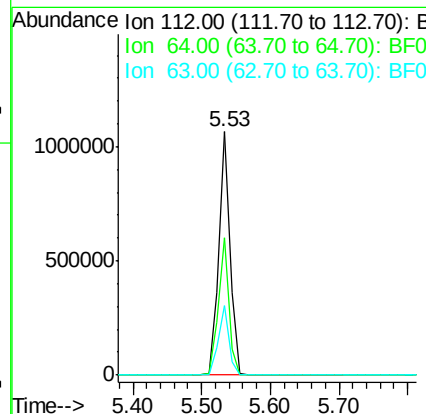
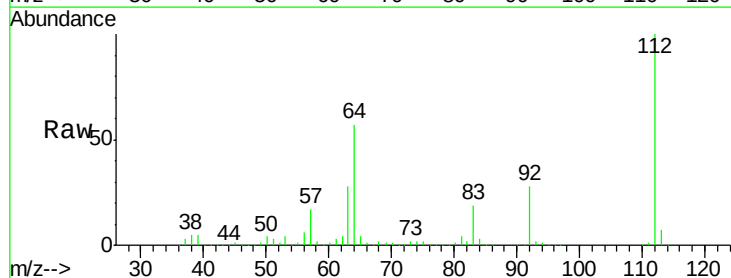
Sohil
3/15/2016 2:09:17 PM

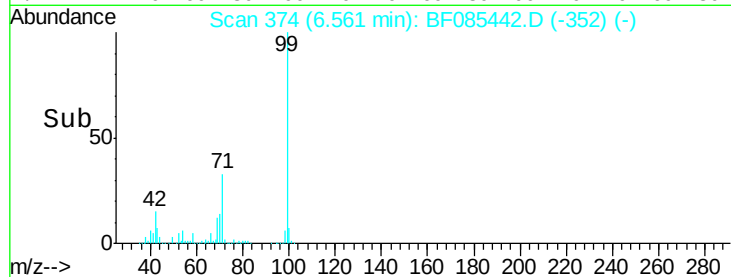
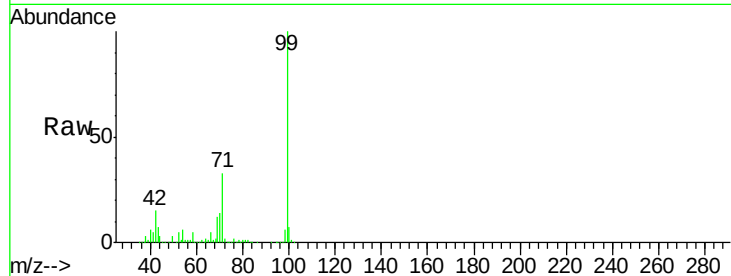
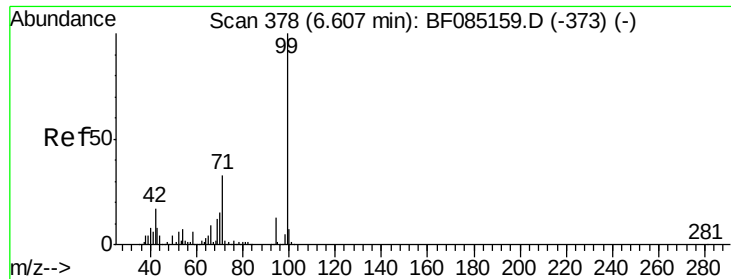


#5

2-Fluorophenol
Concen: 110.67 ng
RT: 5.53 min Scan# 284
Delta R.T. -0.05 min
Lab File: BF085442.D
Acq: 14 Mar 2016 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1239961		
64	56.6	49.0	73.4	
63	28.5	24.8	37.2	





#7

Phenol-d6

Concen: 124.07 ng

RT: 6.56 min Scan# 374

Delta R.T. -0.05 min

Lab File: BF085442.D

Acq: 14 Mar 2016 21:26

Tgt Ion:	99	Resp:	1821152
Ion	Ratio	Lower	Upper
99	100		
42	14.6	13.6	20.4
71	32.6	26.7	40.1

Instrument :

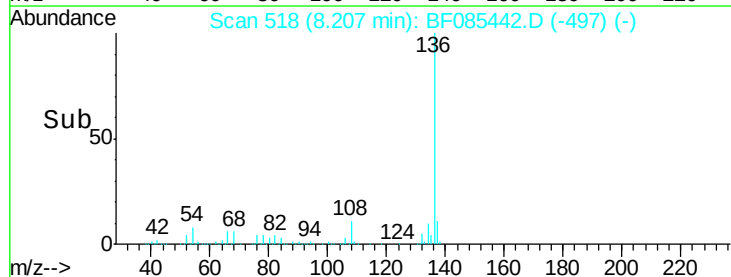
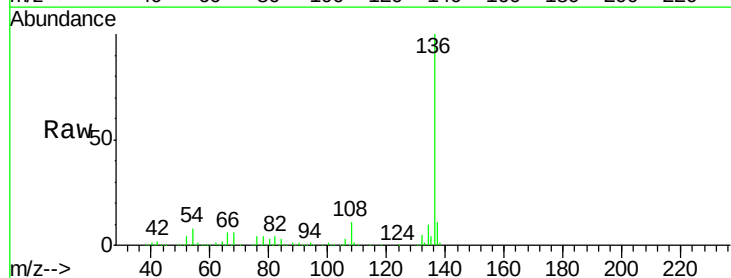
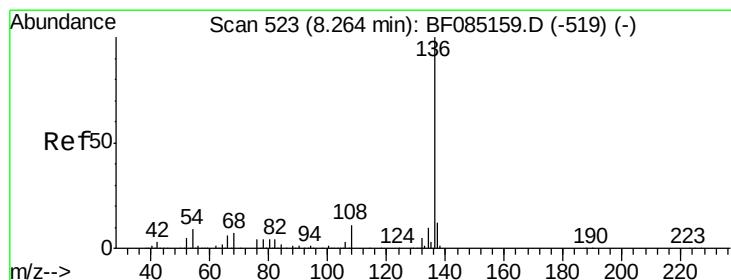
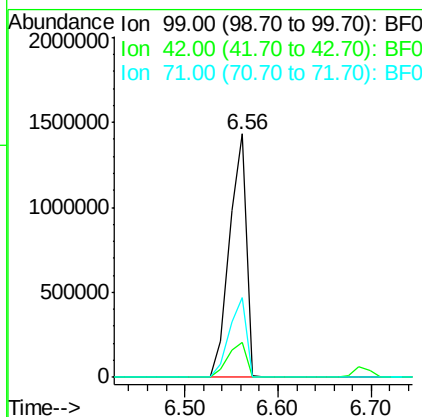
BNA_F

ClientSampleId :

W170TH-SB-28(0.5-2.5)

Manual Integrations
APPROVED

Sohil
3/15/2016 2:09:17 PM



#21

Naphthalene-d8

Concen: 20.00 ng

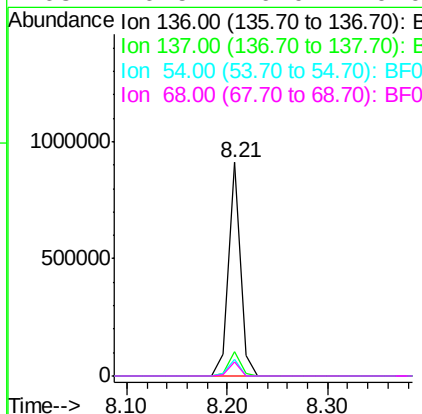
RT: 8.21 min Scan# 518

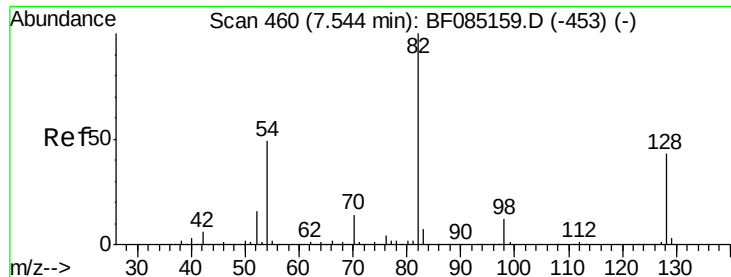
Delta R.T. -0.06 min

Lab File: BF085442.D

Acq: 14 Mar 2016 21:26

Tgt Ion:	136	Resp:	751432
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.3	13.9
54	7.6	7.4	11.2
68	6.5	6.0	9.0





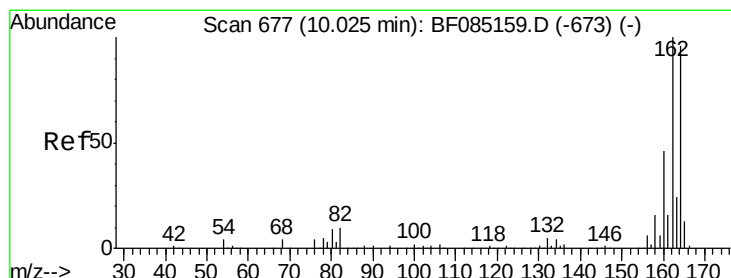
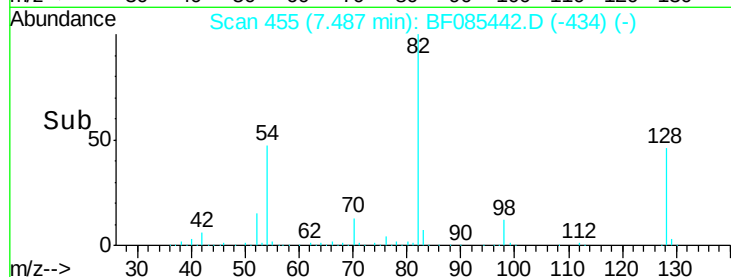
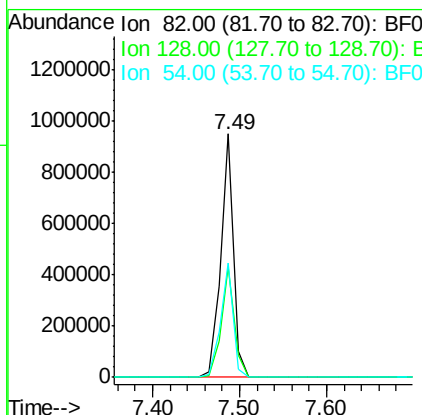
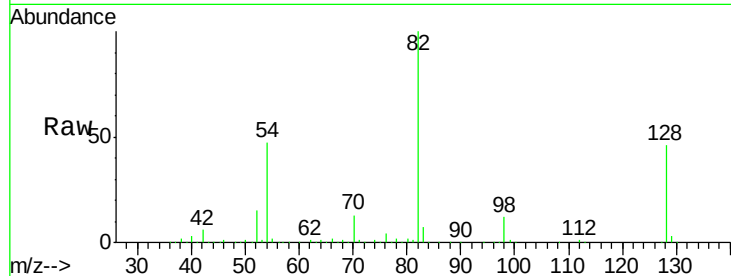
#23
 Nitrobenzene-d5
 Concen: 70.14 ng
 RT: 7.49 min Scan# 455
 Delta R.T. -0.06 min
 Lab File: BF085442.D
 Acq: 14 Mar 2016 21:26

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-28(0.5-2.5)

Tgt Ion:	82	Resp:	984953
Ion Ratio	Lower	Upper	
82	100		
128	45.6	34.5	51.7
54	47.0	39.3	58.9

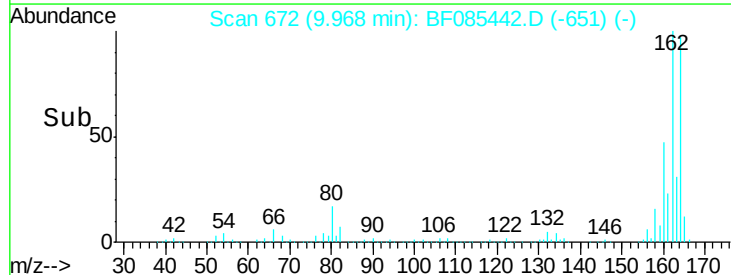
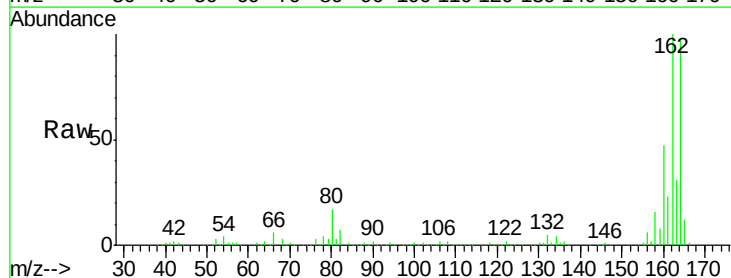
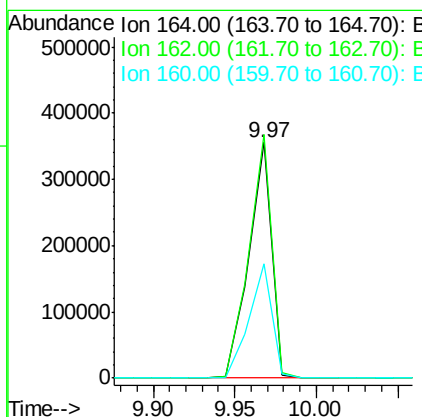
Manual Integrations
 APPROVED

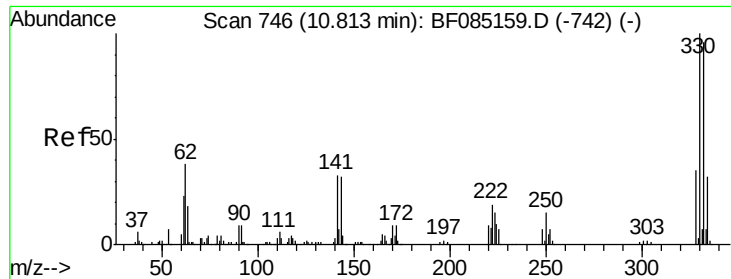
Sohil
 3/15/2016 2:09:17 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.97 min Scan# 672
 Delta R.T. -0.06 min
 Lab File: BF085442.D
 Acq: 14 Mar 2016 21:26

Tgt Ion:	164	Resp:	343422
Ion Ratio	Lower	Upper	
164	100		
162	103.4	83.3	124.9
160	48.6	37.9	56.9





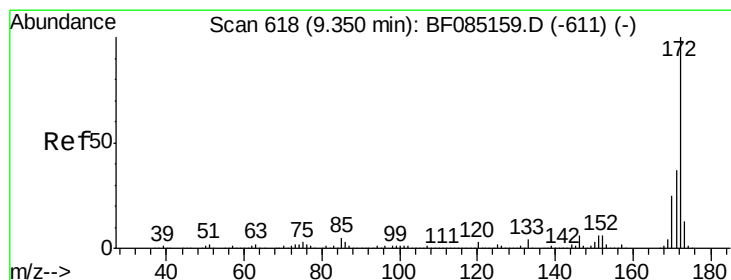
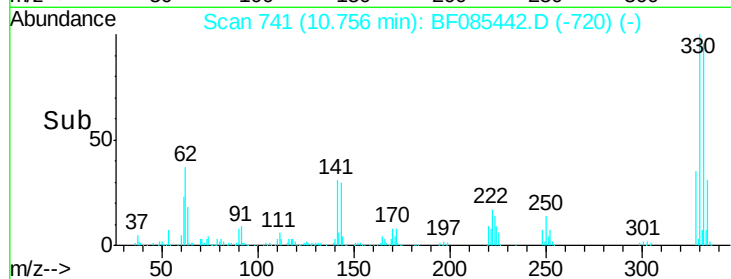
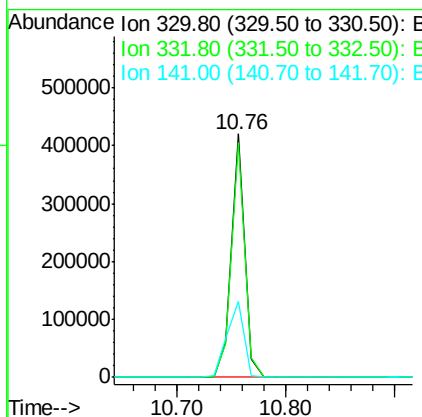
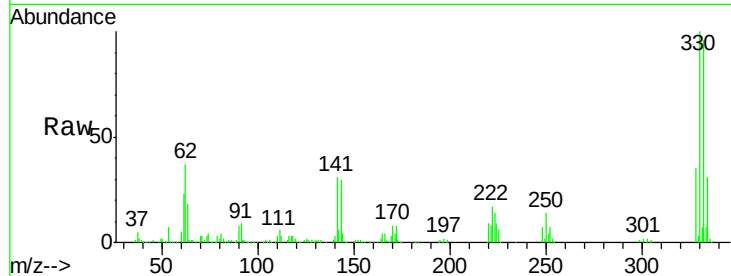
#41
 2,4,6-Tribromophenol
 Concen: 120.62 ng
 RT: 10.76 min Scan# 741
 Delta R.T. -0.06 min
 Lab File: BF085442.D
 Acq: 14 Mar 2016 21:26

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-28(0.5-2.5)

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.1	115.7
141	40.0	35.0	52.6

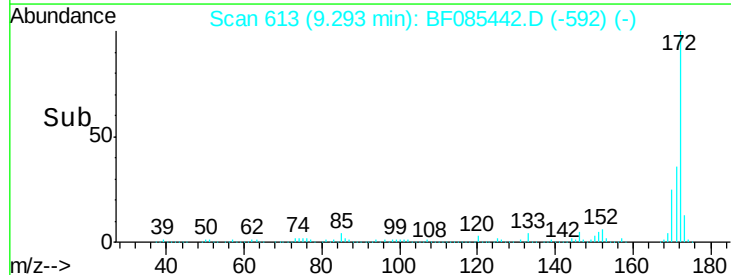
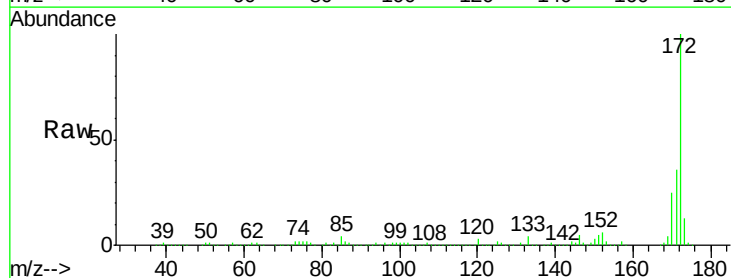
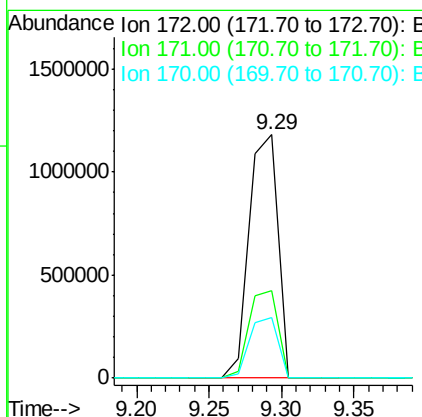
Manual Integrations
 APPROVED

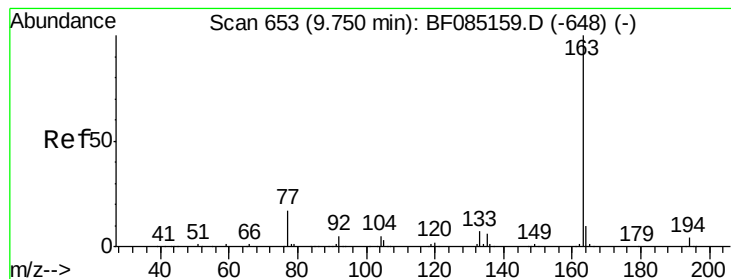
Sohil
 3/15/2016 2:09:17 PM



#44
 2-Fluorobiphenyl
 Concen: 72.10 ng
 RT: 9.29 min Scan# 613
 Delta R.T. -0.06 min
 Lab File: BF085442.D
 Acq: 14 Mar 2016 21:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.3	43.9
170	24.8	20.0	30.0





#49

Dimethylphthalate

Concen: 19.33 ng

RT: 9.68 min Scan# 647

Delta R.T. -0.07 min

Lab File: BF085442.D

Acq: 14 Mar 2016 21:26

Instrument :

BNA_F

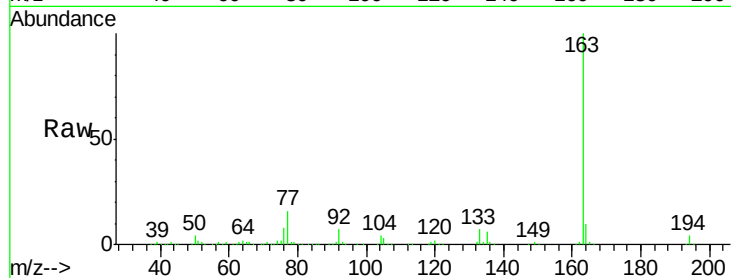
ClientSampleId :

W170TH-SB-28(0.5-2.5)

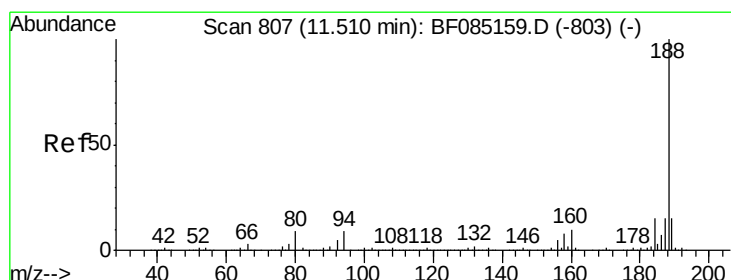
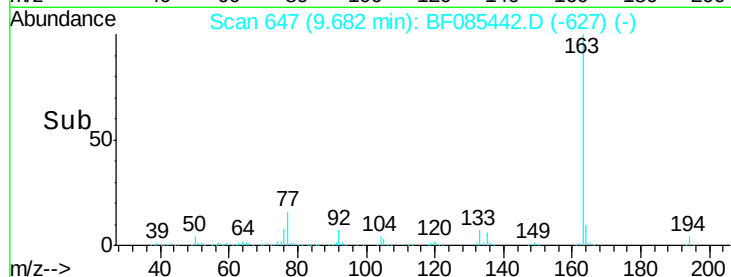
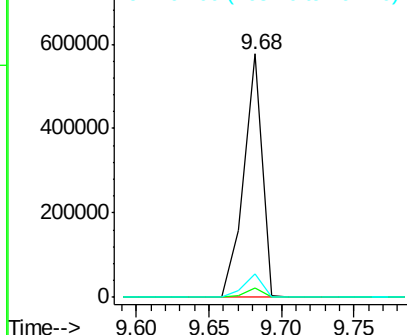
Tgt Ion:	163	Resp:	509444
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.1	4.7
164	9.8	8.2	12.4

Manual Integrations
APPROVED

Sohil
3/15/2016 2:09:17 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

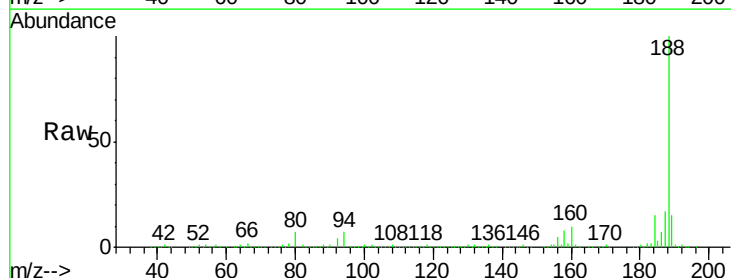
RT: 11.45 min Scan# 802

Delta R.T. -0.06 min

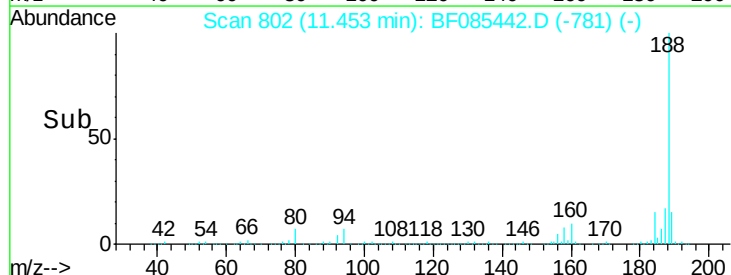
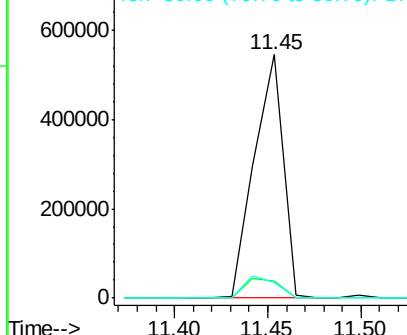
Lab File: BF085442.D

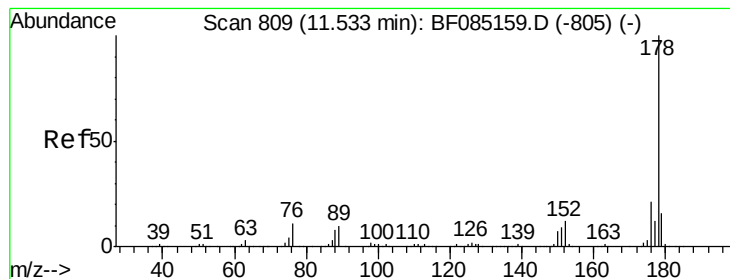
Acq: 14 Mar 2016 21:26

Tgt Ion:	188	Resp:	584641
Ion Ratio	Lower	Upper	
188	100		
94	6.9	7.0	10.6#
80	6.6	7.4	11.0#



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 2.96 ng

RT: 11.48 min Scan# 804

Delta R.T. -0.06 min

Lab File: BF085442.D

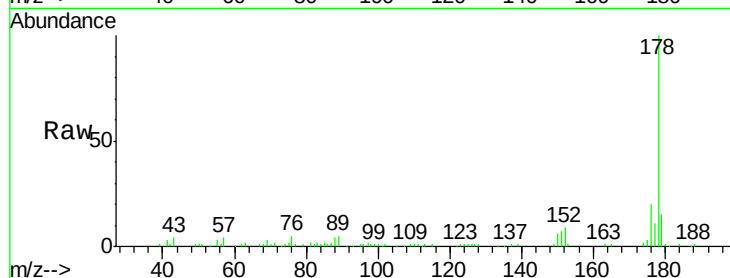
Acq: 14 Mar 2016 21:26

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-28(0.5-2.5)



Tgt Ion:178 Resp: 90778

Ion Ratio Lower Upper

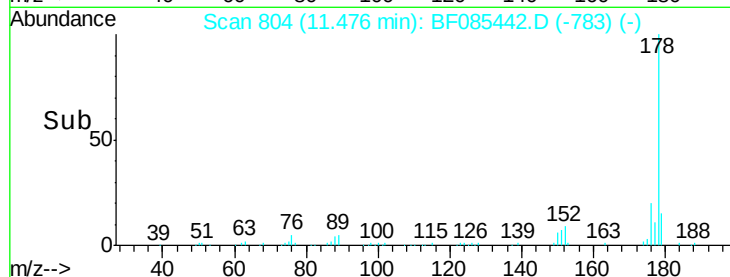
178 100

176 19.7 16.8 25.2

179 14.6 13.1 19.7

Manual Integrations
APPROVED

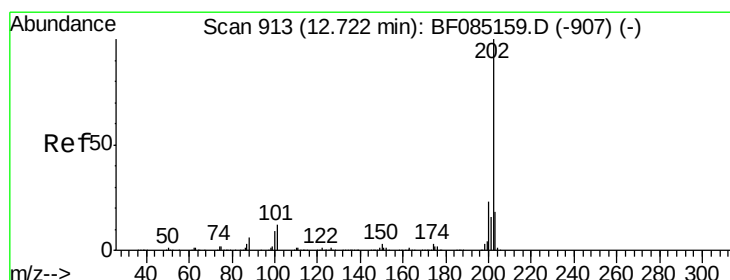
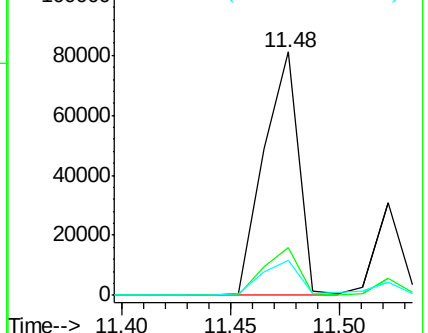
Sohil
3/15/2016 2:09:17 PM



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: 5.52 ng

RT: 12.66 min Scan# 908

Delta R.T. -0.06 min

Lab File: BF085442.D

Acq: 14 Mar 2016 21:26

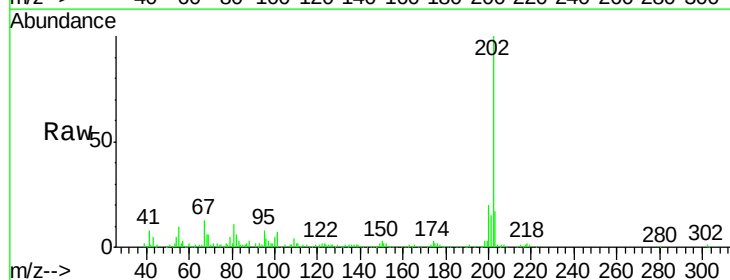
Tgt Ion:202 Resp: 169675

Ion Ratio Lower Upper

202 100

101 7.1 0.0 31.8

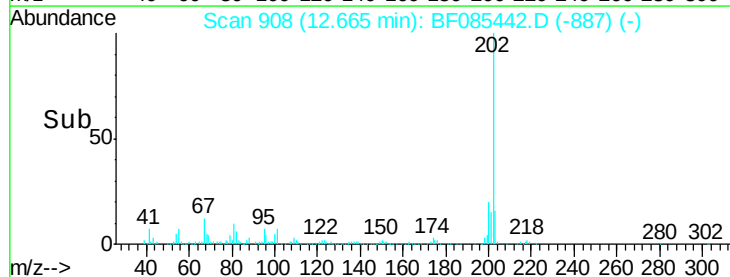
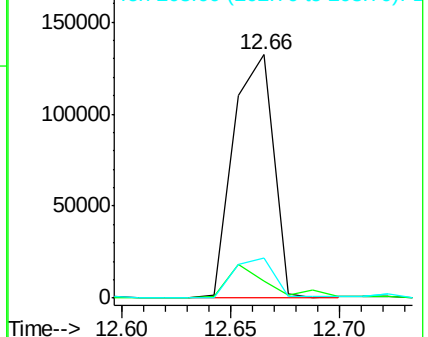
203 16.5 0.0 38.4

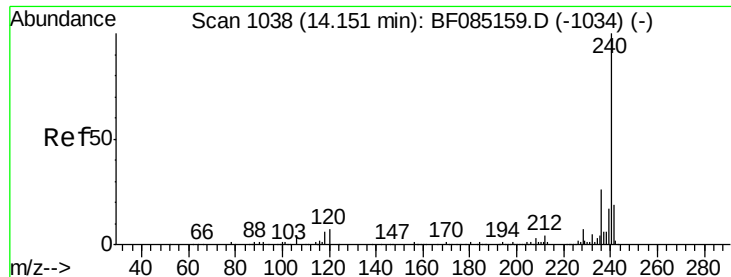


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.08 min Scan# 1032

Delta R.T. -0.07 min

Lab File: BF085442.D

Acq: 14 Mar 2016 21:26

Instrument :

BNA_F

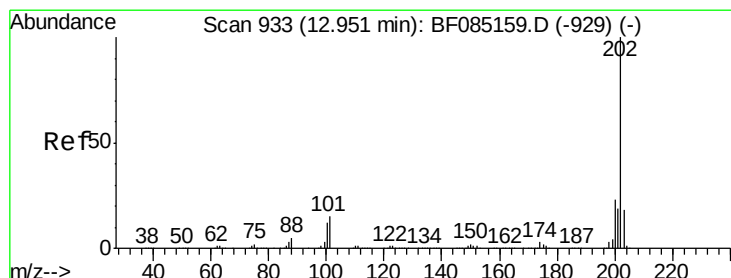
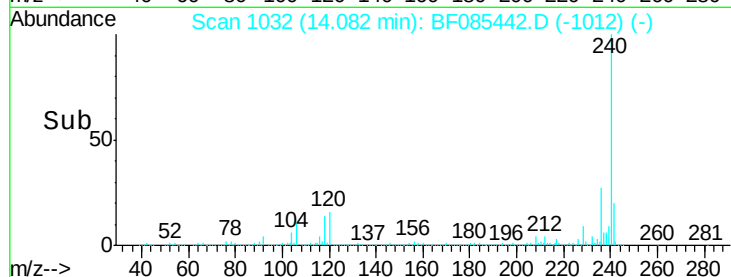
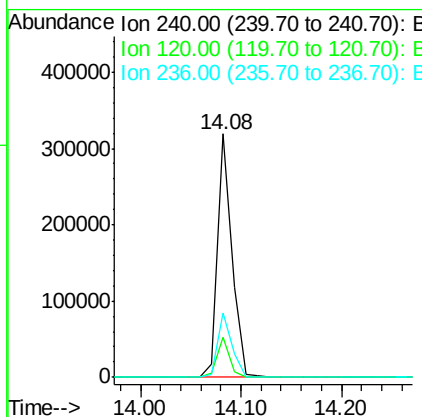
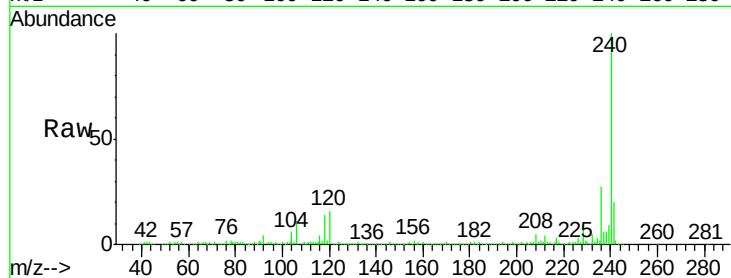
ClientSampleId :

W170TH-SB-28(0.5-2.5)

Tgt Ion:	240	Resp:	317891
Ion Ratio	Lower	Upper	
240	100		
120	16.2	5.3	7.9#
236	26.6	20.7	31.1

Manual Integrations
APPROVED

Sohil
3/15/2016 2:09:17 PM



#77

Pyrene

Concen: 6.27 ng

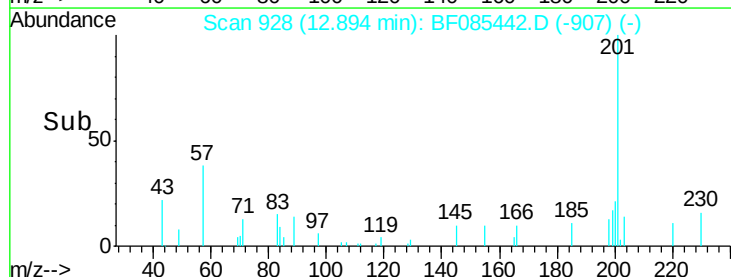
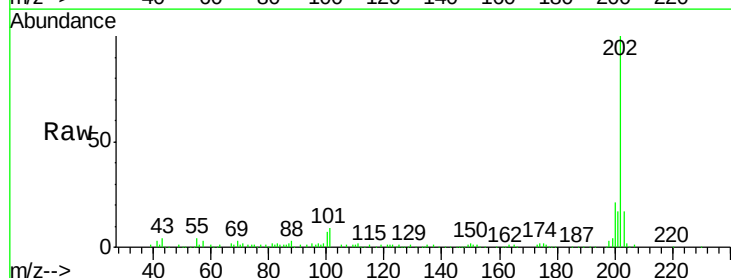
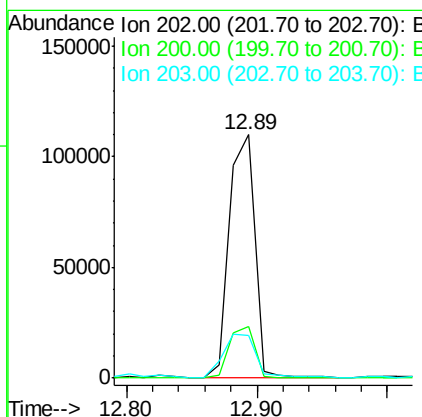
RT: 12.89 min Scan# 928

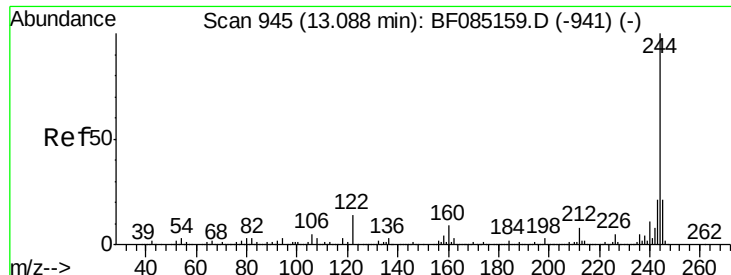
Delta R.T. -0.06 min

Lab File: BF085442.D

Acq: 14 Mar 2016 21:26

Tgt Ion:	202	Resp:	150059
Ion Ratio	Lower	Upper	
202	100		
200	21.1	18.2	27.4
203	17.3	14.7	22.1





#78

Terphenyl-d14

Concen: 81.02 ng

RT: 13.03 min Scan# 940

Delta R.T. -0.06 min

Lab File: BF085442.D

Acq: 14 Mar 2016 21:26

Instrument :

BNA_F

ClientSampleId :

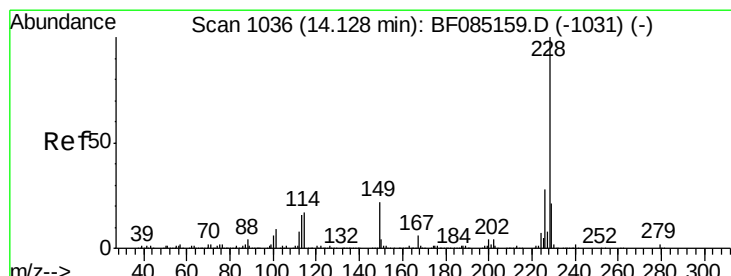
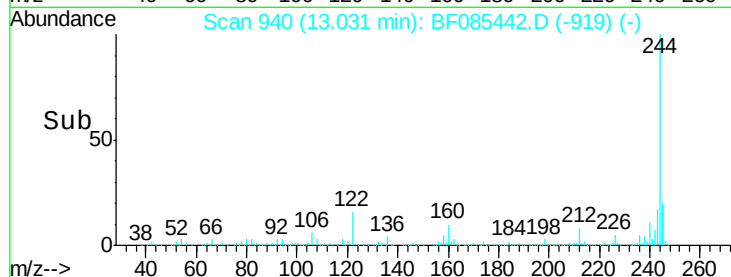
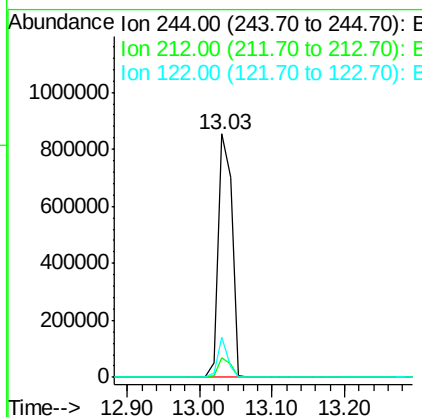
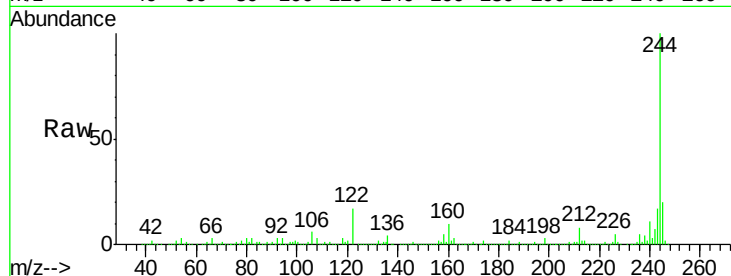
W170TH-SB-28(0.5-2.5)

Manual Integrations
APPROVED

Sohil

3/15/2016 2:09:17 PM

Tgt Ion:	244	Resp:	1109437
Ion Ratio	Lower	Upper	
244	100		
212	7.8	6.4	9.6
122	16.5	11.4	17.2



#80

Benzo(a)anthracene

Concen: 3.94 ng

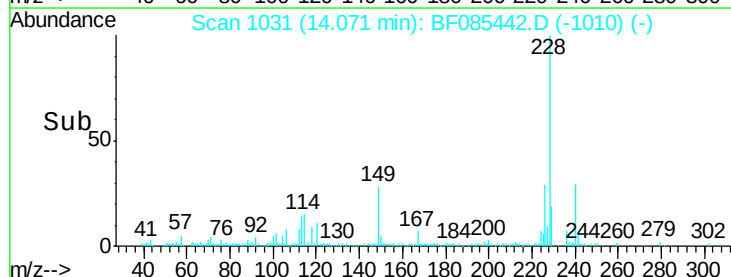
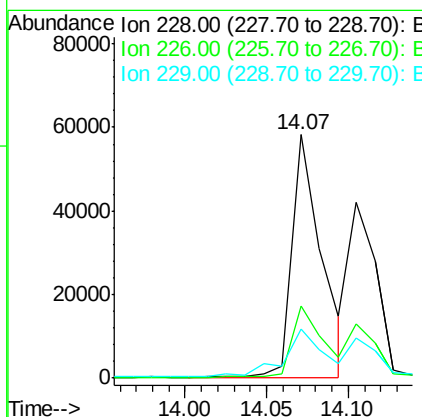
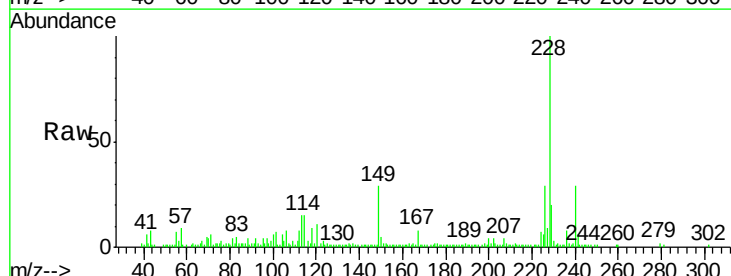
RT: 14.07 min Scan# 1031

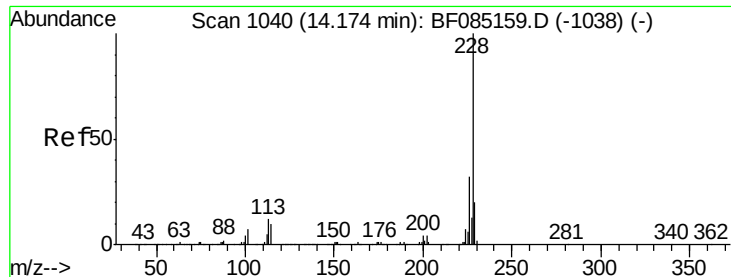
Delta R.T. -0.06 min

Lab File: BF085442.D

Acq: 14 Mar 2016 21:26

Tgt Ion:	228	Resp:	74930
Ion Ratio	Lower	Upper	
228	100		
226	29.4	22.8	34.2
229	20.4	16.6	24.8





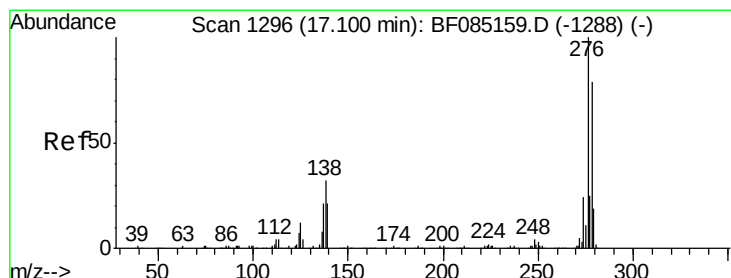
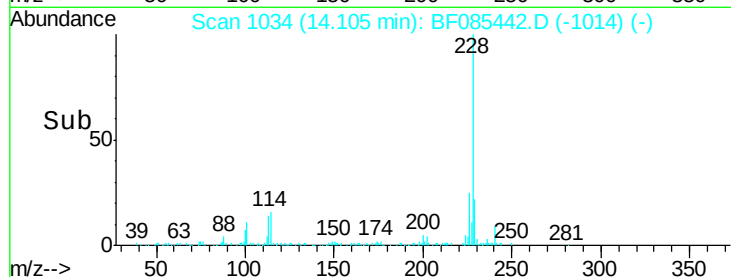
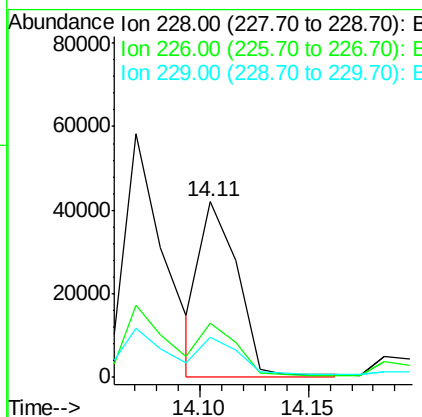
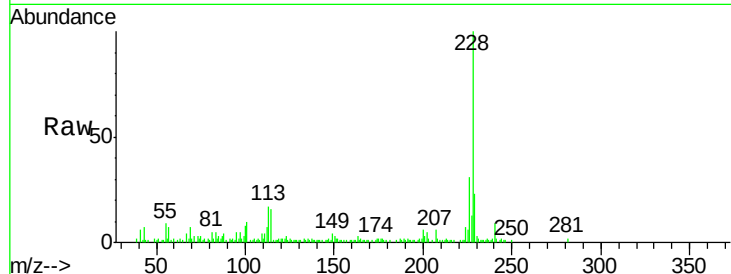
#82
Chrysene
Concen: 2.88 ng m
RT: 14.11 min Scan# 1034
Delta R.T. -0.07 min
Lab File: BF085442.D
Acq: 14 Mar 2016 21:26

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-28(0.5-2.5)

Tgt Ion:	228	Resp:	50647
Ion Ratio	Lower	Upper	
228	100		
226	30.6	25.2	37.8
229	22.7	16.0	24.0

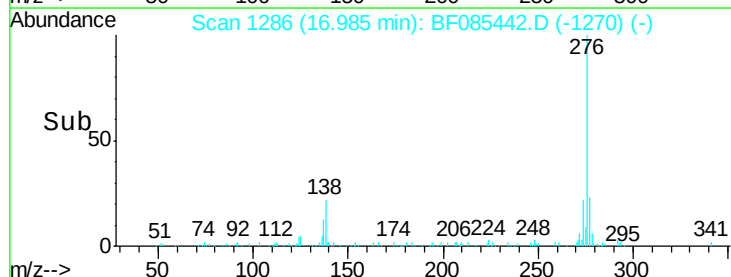
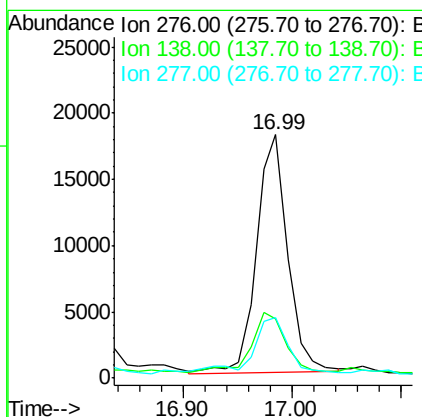
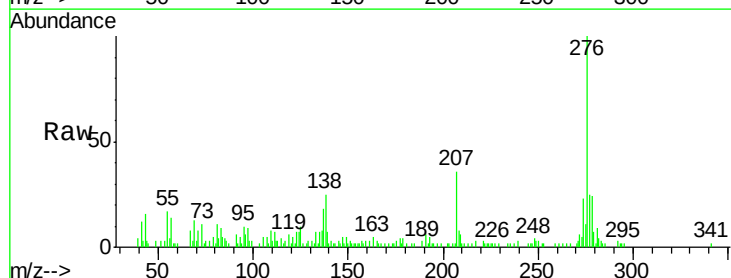
Manual Integrations
APPROVED

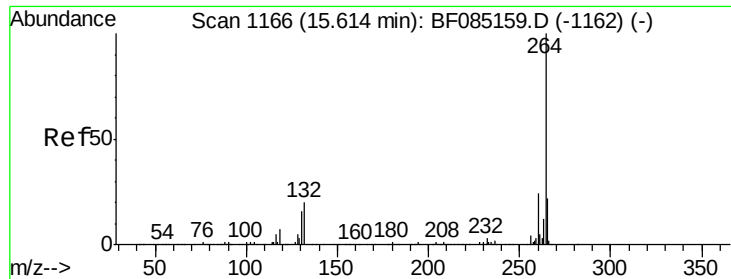
Sohil
3/15/2016 2:09:17 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.61 ng
RT: 16.99 min Scan# 1286
Delta R.T. -0.11 min
Lab File: BF085442.D
Acq: 14 Mar 2016 21:26

Tgt Ion:	276	Resp:	35778
Ion Ratio	Lower	Upper	
276	100		
138	29.5	26.4	39.6
277	34.6	20.2	30.2#





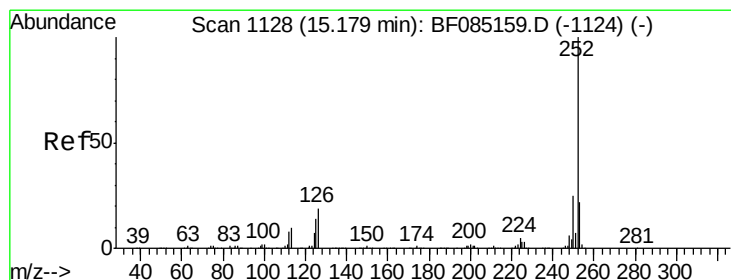
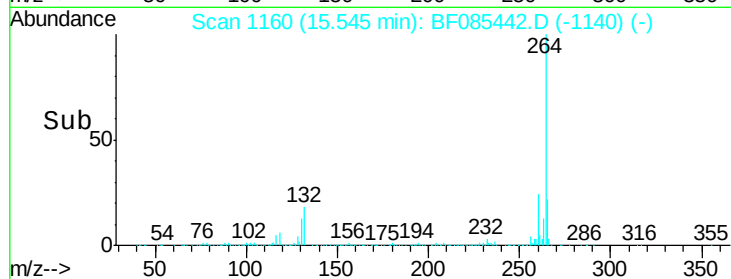
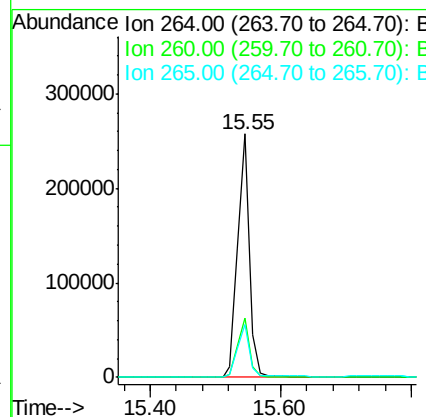
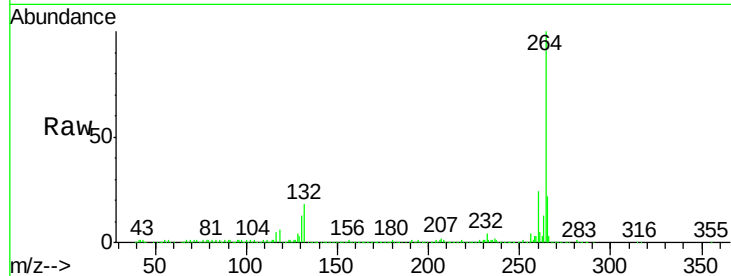
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.55 min Scan# 1160
Delta R.T. -0.07 min
Lab File: BF085442.D
Acq: 14 Mar 2016 21:26

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-28(0.5-2.5)

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	319502		
260	24.5	19.2	28.8	
265	21.8	17.3	25.9	

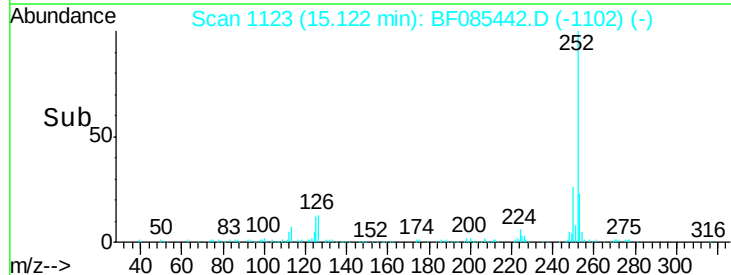
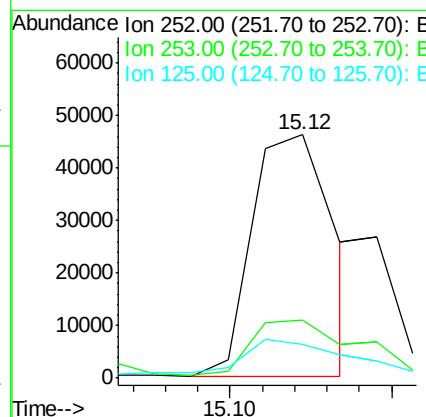
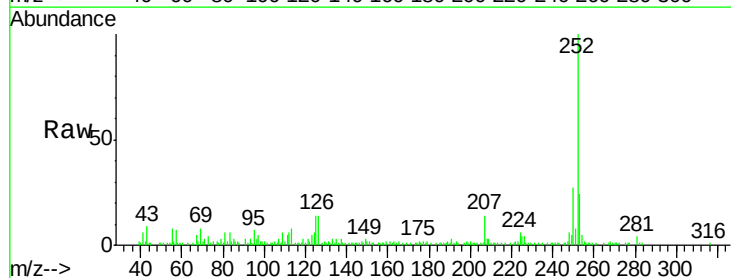
Manual Integrations
APPROVED

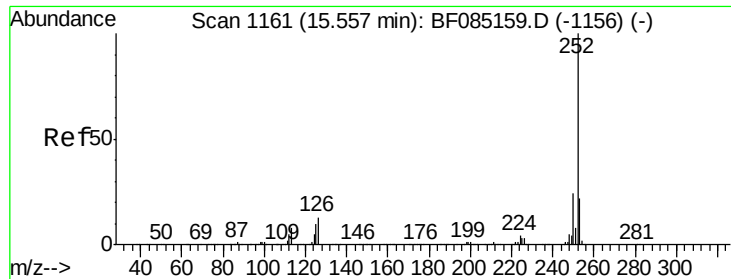
Sohil
3/15/2016 2:09:17 PM



#87
Benzo(b)fluoranthene
Concen: 3.81 ng m
RT: 15.12 min Scan# 1123
Delta R.T. -0.06 min
Lab File: BF085442.D
Acq: 14 Mar 2016 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	81039		
253	24.0	17.8	26.6	
125	13.6	11.3	16.9	





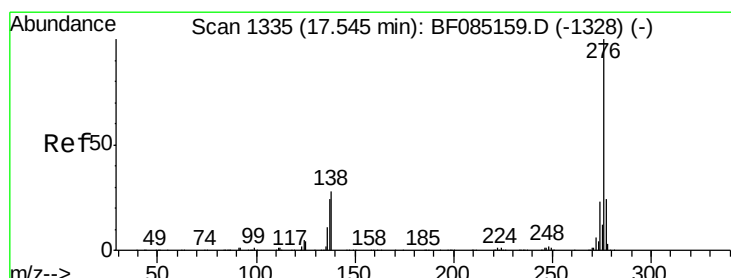
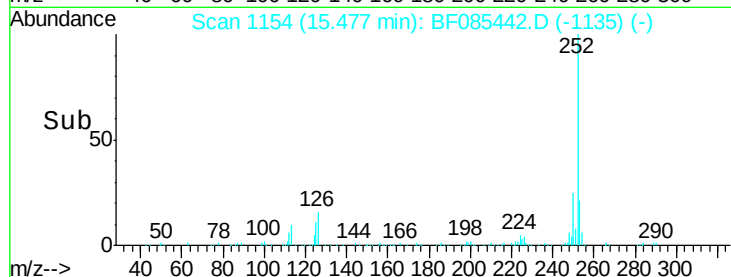
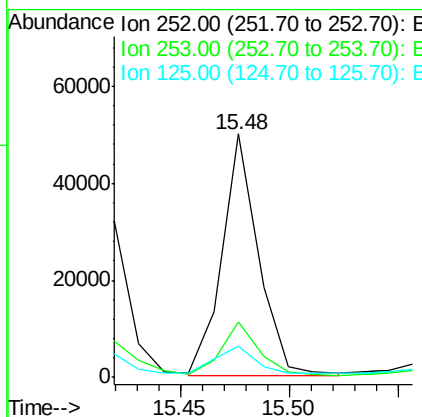
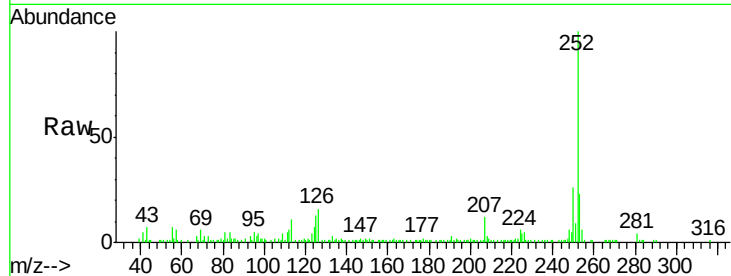
#89
Benzo(a)pyrene
Concen: 3.25 ng
RT: 15.48 min Scan# 1154
Delta R.T. -0.08 min
Lab File: BF085442.D
Acq: 14 Mar 2016 21:26

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-28(0.5-2.5)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.0
125	12.6	8.2	12.4

Manual Integrations
APPROVED

Sohil
3/15/2016 2:09:17 PM



#91
Benzo(g,h,i)perylene
Concen: 2.56 ng
RT: 17.42 min Scan# 1324
Delta R.T. -0.13 min
Lab File: BF085442.D
Acq: 14 Mar 2016 21:26

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.0	28.4
138	22.8	22.5	33.7

