

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101016\
 Data File : BF090489.D
 Acq On : 10 Oct 2016 19:41
 Operator : UM/SJ
 Sample : H5140-01DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T-5DL

Manual Integrations
 APPROVED

sohil
 10/11/2016 7:07:24 PM

Quant Time: Oct 11 11:24:23 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF100516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 05 14:57:00 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	261146	20.00	ng	-0.03
21) Naphthalene-d8	8.26	136	1048505	20.00	ng	-0.03
38) Acenaphthene-d10	10.02	164	577476	20.00	ng	-0.03
63) Phenanthrene-d10	11.50	188	901505	20.00	ng	-0.05
75) Chrysene-d12	14.14	240	838194	20.00	ng	-0.06
86) Perylene-d12	15.62	264	609311	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	425402	24.31	ng	-0.04
7) Phenol-d6	6.59	99	632807	27.61	ng	-0.03
23) Nitrobenzene-d5	7.53	82	412318	19.13	ng	-0.05
41) 2,4,6-Tribromophenol	10.81	330	131985	28.11	ng	-0.05
44) 2-Fluorobiphenyl	9.33	172	679082	19.59	ng	-0.05
78) Terphenyl-d14	13.08	244	617838	16.57	ng	-0.06
Target Compounds						Qvalue
31) Naphthalene	8.28	128	1234643	24.41	ng	98
37) 2-Methylnaphthalene	8.98	142	2277516	74.38	ng	98
45) 1,1'-Biphenyl	9.43	154	392415	9.17	ng	94
49) Dimethylphthalate	9.72	163	246178	6.66	ng #	95
57) Fluorene	10.57	166	261092	7.38	ng #	91
70) Phenanthrene	11.53	178	775595	16.80	ng	96
74) Fluoranthene	12.72	202	90670	2.00	ng	95
77) Pyrene	12.94	202	163713	2.93	ng	96

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

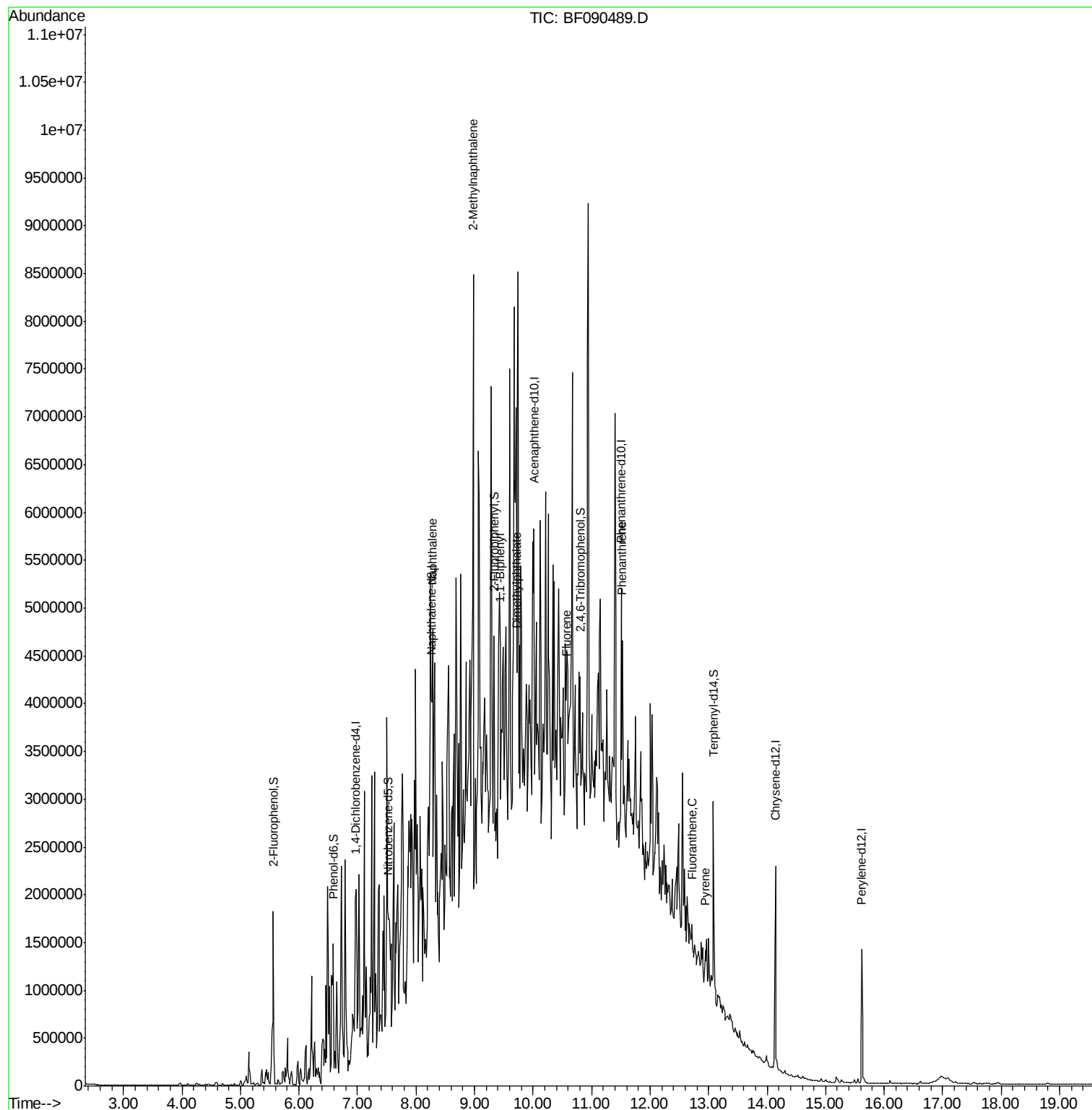
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101016\
Data File : BF090489.D
Acq On : 10 Oct 2016 19:41
Operator : UM/SJ
Sample : H5140-01DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

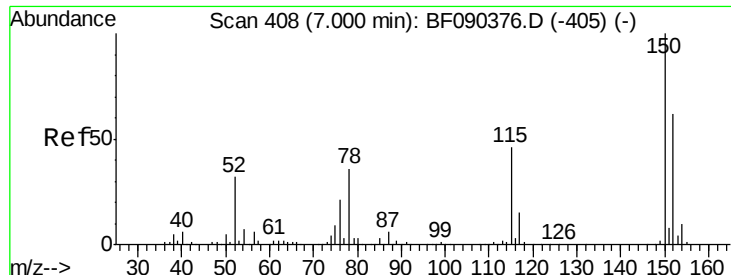
Instrument :
BNA_F
ClientSampleId :
T-5DL

Manual Integrations
APPROVED

sohil
10/11/2016 7:07:24 PM

Quant Time: Oct 11 11:24:23 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 05 14:57:00 2016
Response via : Initial Calibration





#1

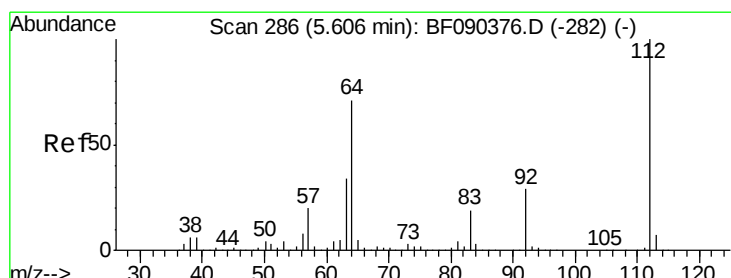
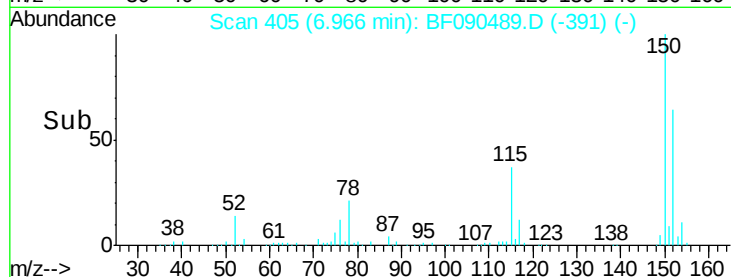
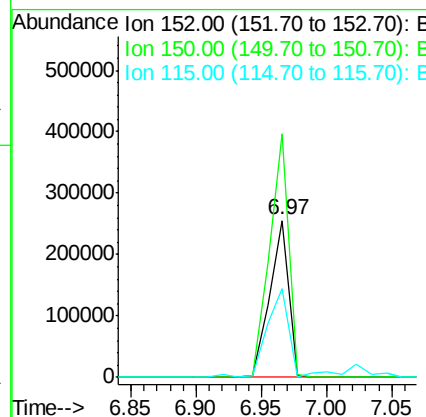
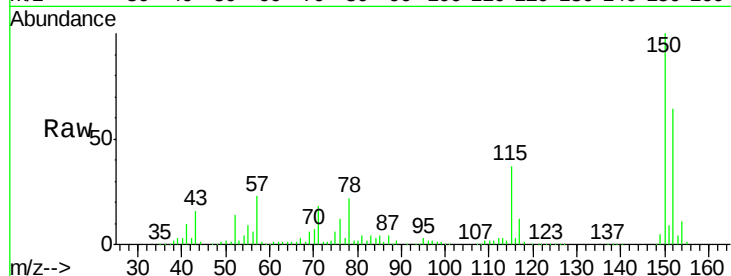
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.97 min Scan# 405
Delta R.T. -0.03 min
Lab File: BF090489.D
Acq: 10 Oct 2016 19:41

Instrument :
BNA_F
ClientSampled :
T-5DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	124.6	186.8
115	56.9	46.2	69.4

Manual Integrations
APPROVED

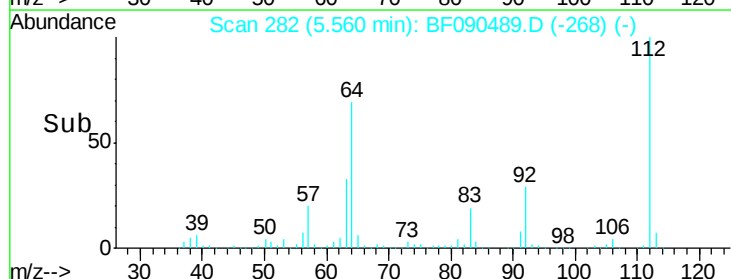
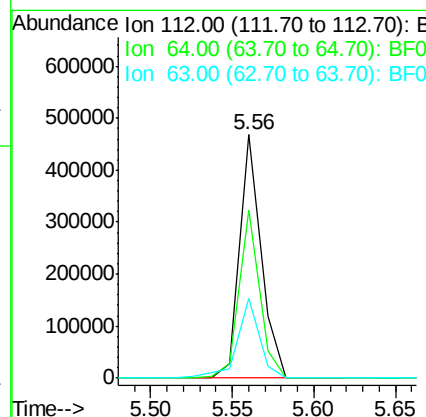
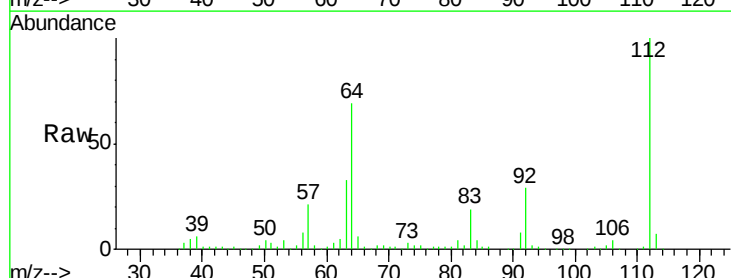
sohil
10/11/2016 7:07:24 PM

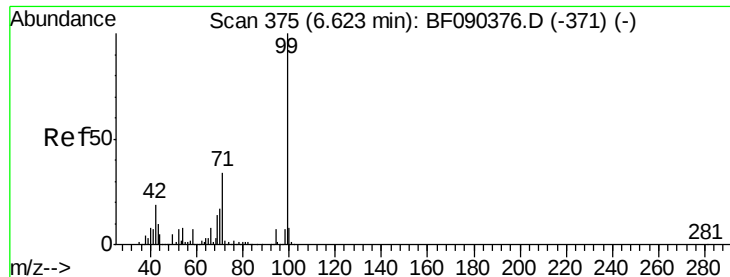


#5

2-Fluorophenol
Concen: 24.31 ng
RT: 5.56 min Scan# 282
Delta R.T. -0.04 min
Lab File: BF090489.D
Acq: 10 Oct 2016 19:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.9	57.9	86.9
63	33.0	29.6	44.4





#7

Phenol-d6

Concen: 27.61 ng

RT: 6.59 min Scan# 372

Delta R.T. -0.03 min

Lab File: BF090489.D

Acq: 10 Oct 2016 19:41

Instrument :

BNA_F

ClientSampled :

T-5DL

Tot Ion: 99 Resp: 632807

Ion Ratio Lower Upper

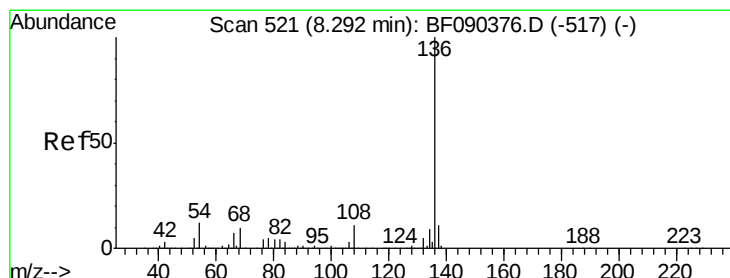
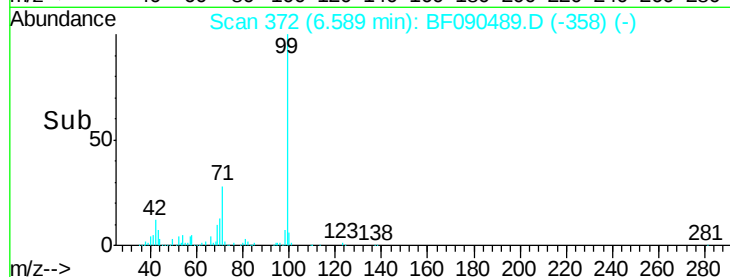
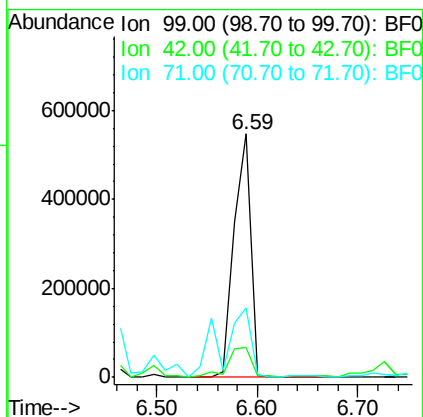
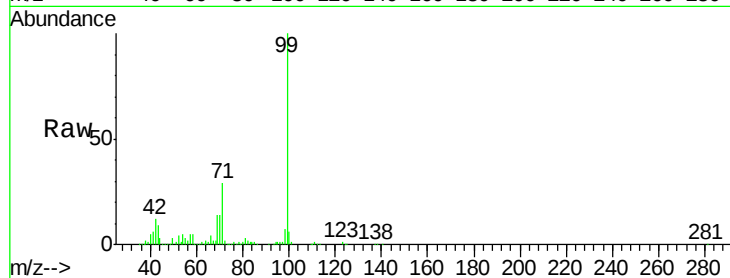
99 100

42 12.1 20.0 30.0#

71 28.7 27.9 41.9

Manual Integrations
APPROVED

sohil
10/11/2016 7:07:24 PM



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.26 min Scan# 518

Delta R.T. -0.03 min

Lab File: BF090489.D

Acq: 10 Oct 2016 19:41

Tgt Ion: 136 Resp: 1048505

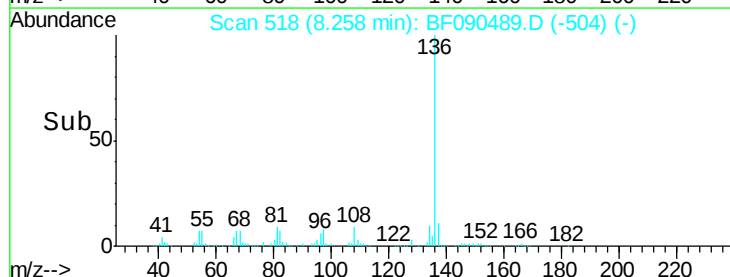
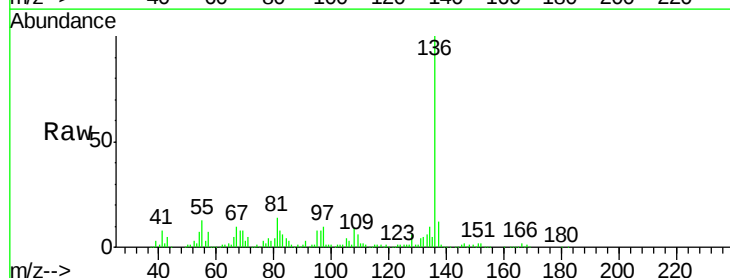
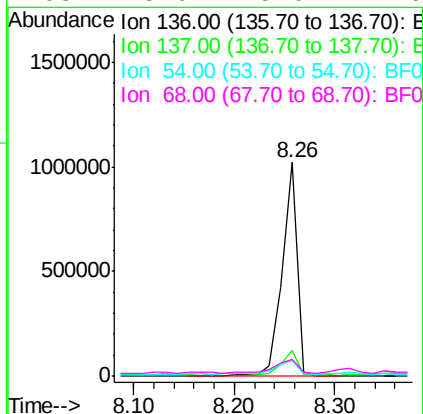
Ion Ratio Lower Upper

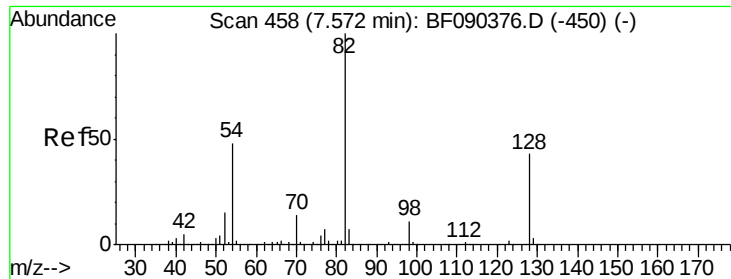
136 100

137 11.9 9.0 13.6

54 7.4 6.6 10.0

68 8.0 5.0 7.6#





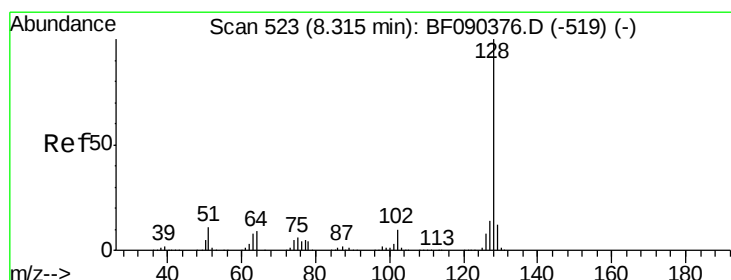
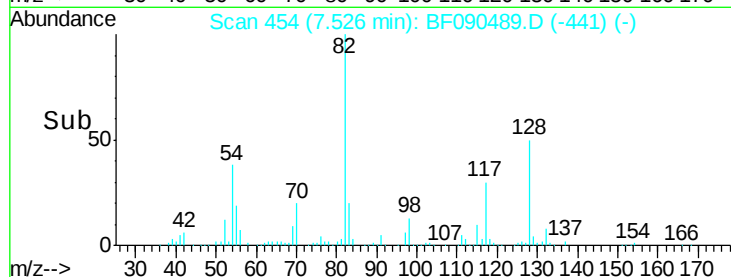
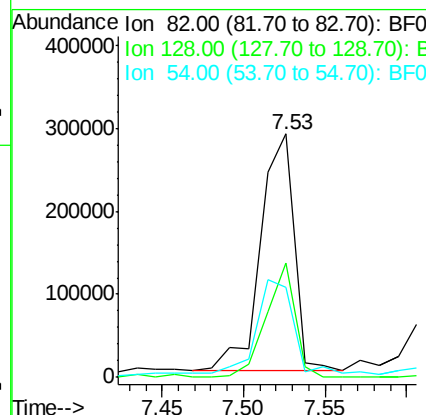
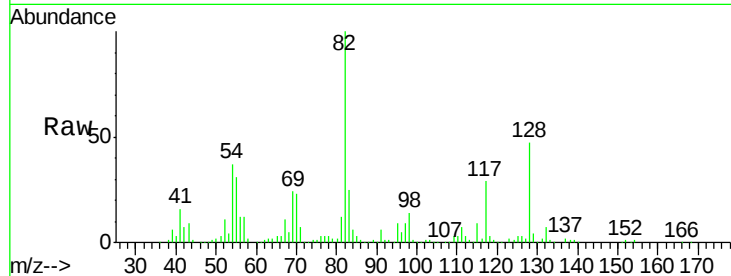
#23
Nitrobenzene-d5
Concen: 19.13 ng
RT: 7.53 min Scan# 454
Delta R.T. -0.05 min
Lab File: BF090489.D
Acq: 10 Oct 2016 19:41

Instrument :
BNA_F
ClientSampled :
T-5DL

Tot Ion	Ratio	Resp	Lower	Upper
82	100	412318		
128	46.8	40.0	60.0	
54	37.1	42.6	64.0	

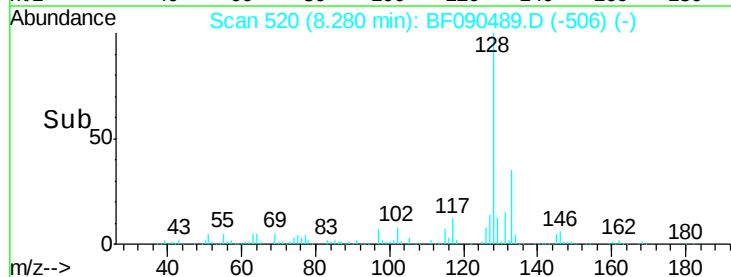
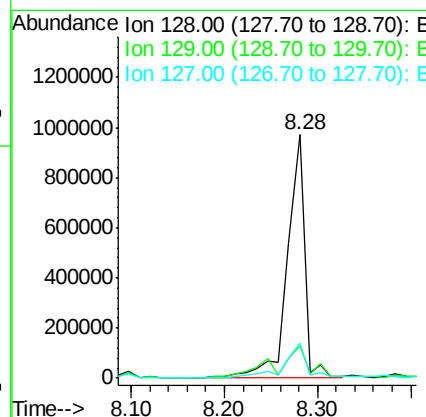
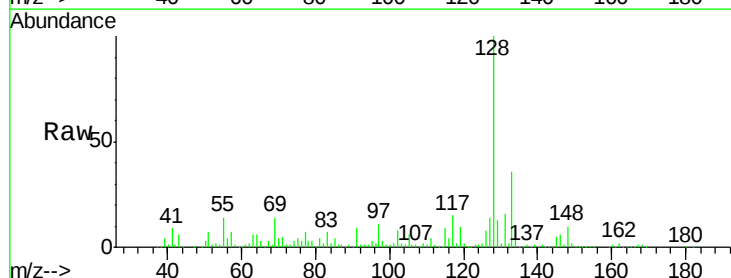
Manual Integrations
APPROVED

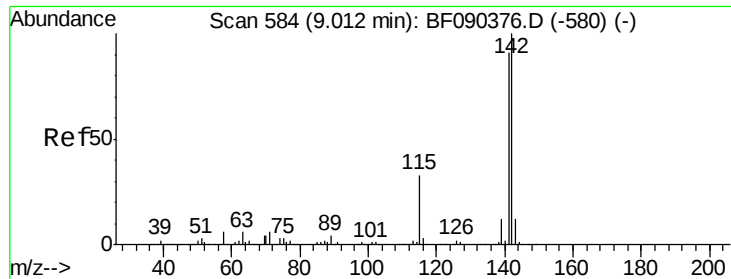
sohil
10/11/2016 7:07:24 PM



#31
Naphthalene
Concen: 24.41 ng
RT: 8.28 min Scan# 520
Delta R.T. -0.03 min
Lab File: BF090489.D
Acq: 10 Oct 2016 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	1234643		
129	13.4	9.7	14.5	
127	14.2	11.7	17.5	





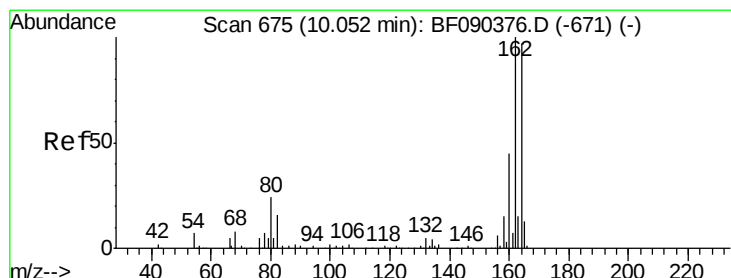
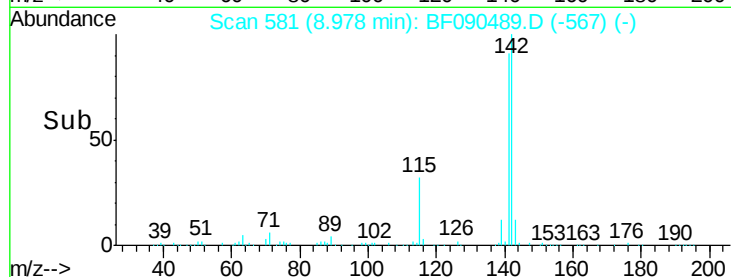
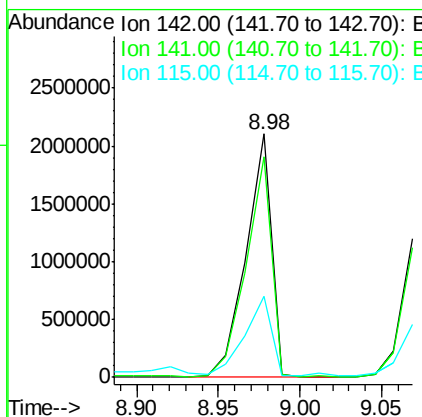
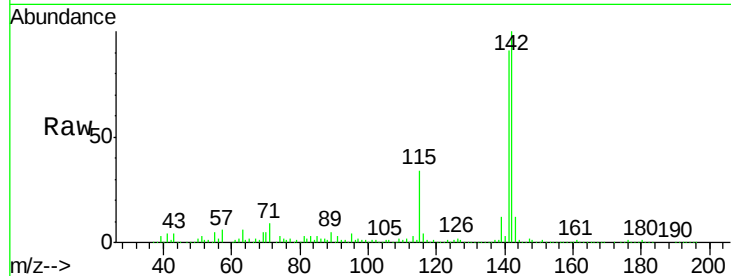
#37
2-Methylnaphthalene
Concen: 74.38 ng
RT: 8.98 min Scan# 581
Delta R.T. -0.03 min
Lab File: BF090489.D
Acq: 10 Oct 2016 19:41

Instrument :
BNA_F
ClientSampled :
T-5DL

Tot Ion:142 Resp: 2277516
Ion Ratio Lower Upper
142 100
141 90.8 71.8 107.8
115 33.5 28.8 43.2

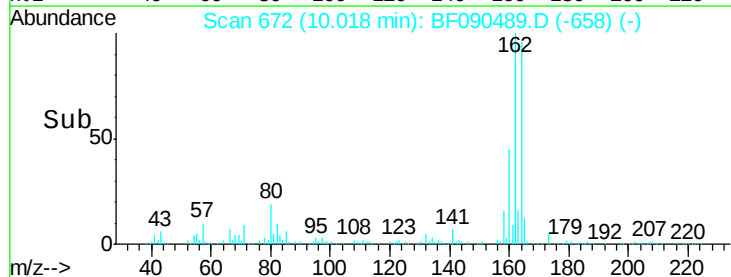
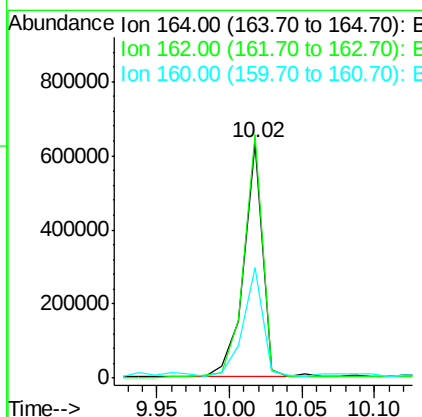
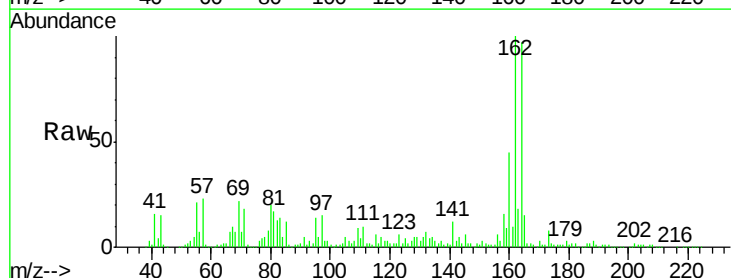
Manual Integrations
APPROVED

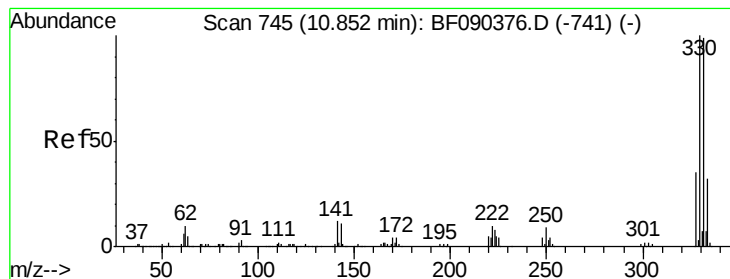
sohil
10/11/2016 7:07:24 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.02 min Scan# 672
Delta R.T. -0.03 min
Lab File: BF090489.D
Acq: 10 Oct 2016 19:41

Tgt Ion:164 Resp: 577476
Ion Ratio Lower Upper
164 100
162 103.5 80.1 120.1
160 46.9 36.3 54.5





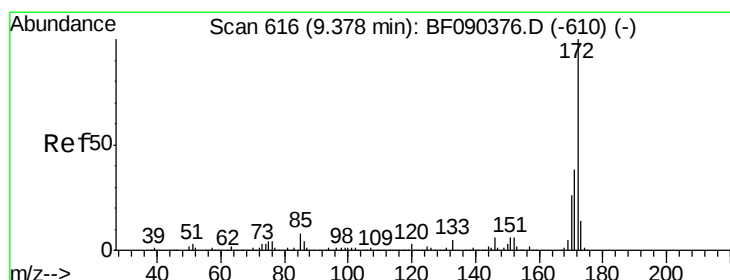
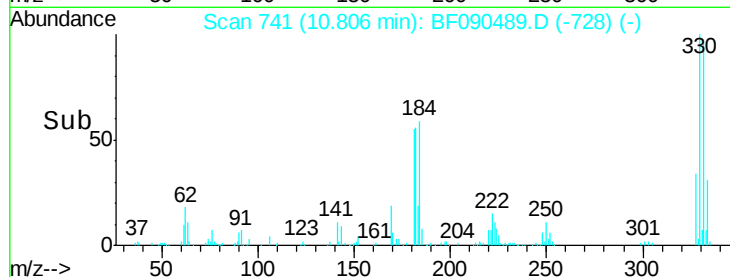
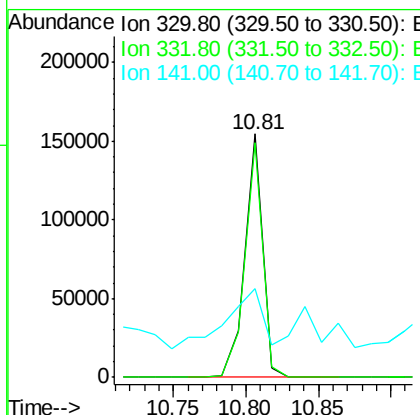
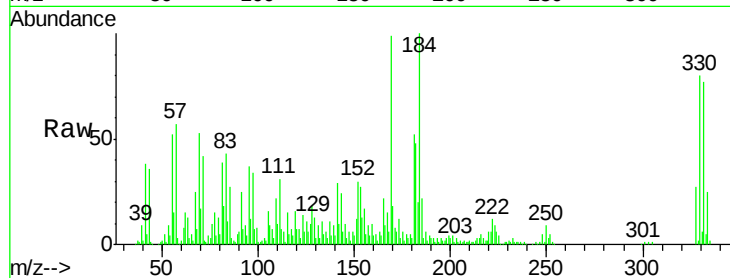
#41
 2,4,6-Tribromophenol
 Concen: 28.11 ng
 RT: 10.81 min Scan# 741
 Delta R.T. -0.05 min
 Lab File: BF090489.D
 Acq: 10 Oct 2016 19:41

Instrument :
 BNA_F
 ClientSampleId :
 T-5DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.6	75.4	113.0	
141	55.3	26.9	40.3	

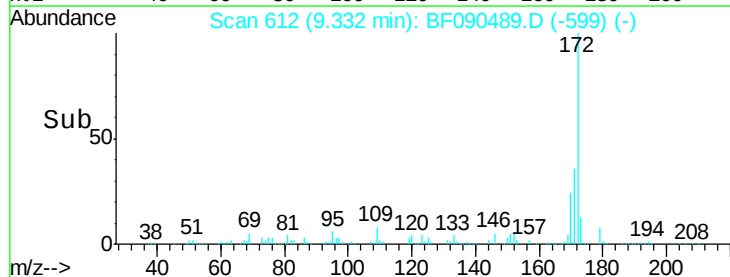
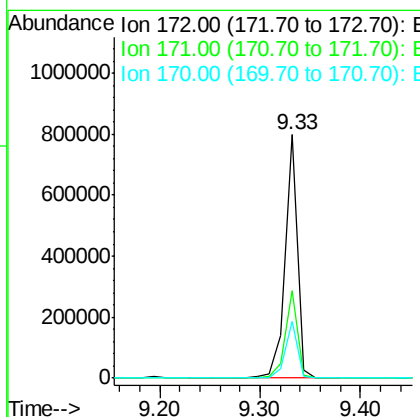
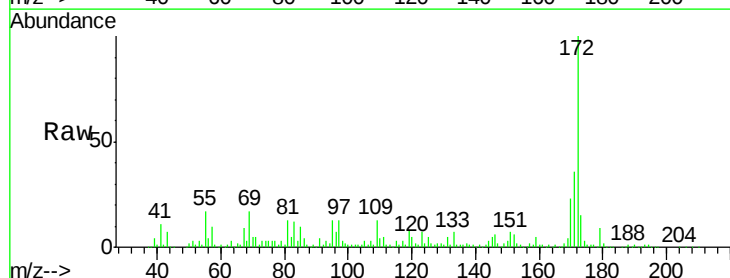
Manual Integrations
 APPROVED

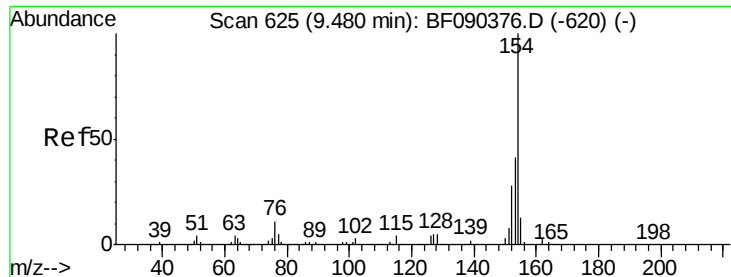
sohil
 10/11/2016 7:07:24 PM



#44
 2-Fluorobiphenyl
 Concen: 19.59 ng
 RT: 9.33 min Scan# 612
 Delta R.T. -0.05 min
 Lab File: BF090489.D
 Acq: 10 Oct 2016 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.8	31.8	47.8	
170	23.5	21.7	32.5	





#45

1,1'-Biphenyl

Concen: 9.17 ng

RT: 9.43 min Scan# 621

Delta R.T. -0.05 min

Lab File: BF090489.D

Acq: 10 Oct 2016 19:41

Instrument :

BNA_F

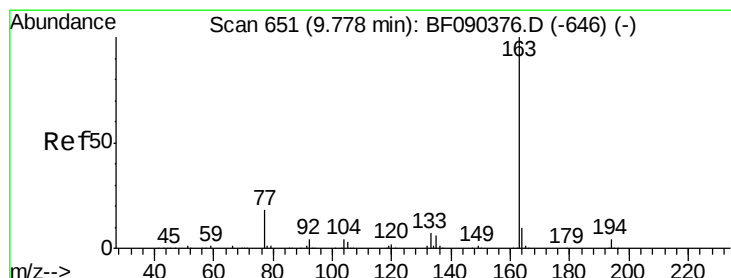
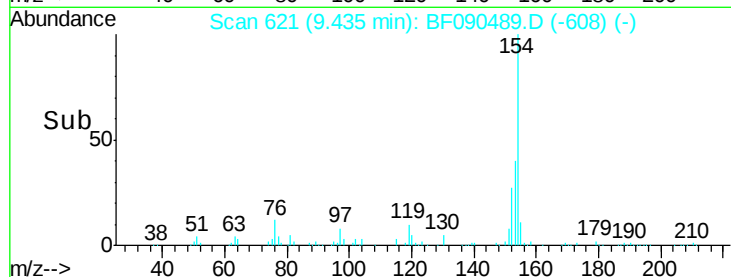
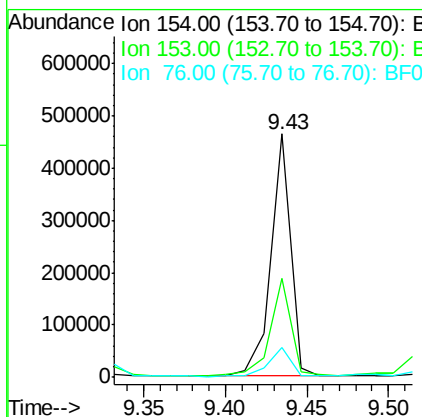
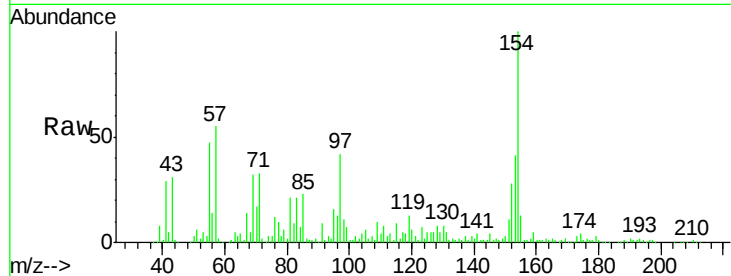
ClientSampled :

T-5DL

Tot Ion:	154	Resp:	392415
Ion Ratio	Lower	Upper	
154	100		
153	40.6	23.8	63.8
76	12.3	0.0	35.8

Manual Integrations
APPROVED

sohil
10/11/2016 7:07:24 PM



#49

Dimethylphthalate

Concen: 6.66 ng

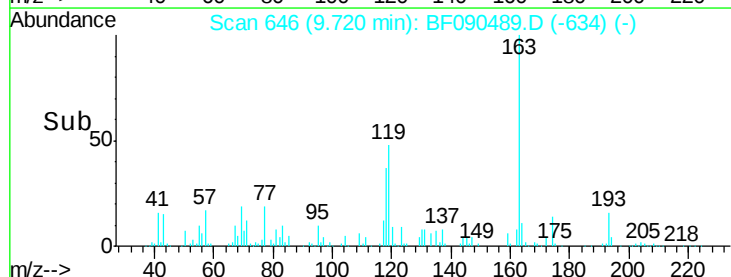
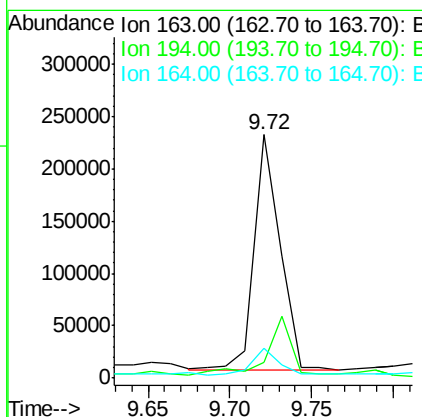
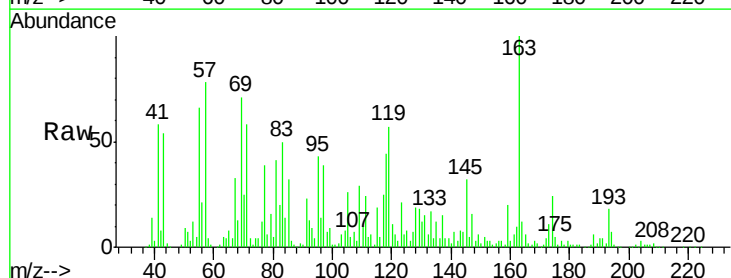
RT: 9.72 min Scan# 646

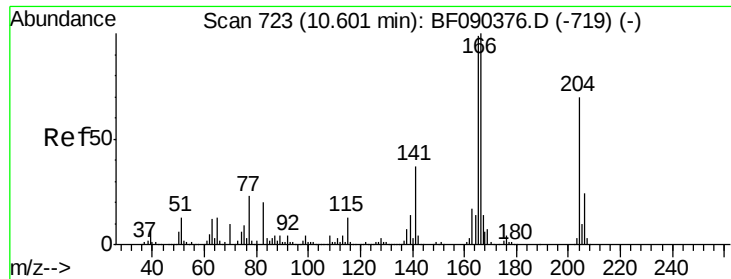
Delta R.T. -0.06 min

Lab File: BF090489.D

Acq: 10 Oct 2016 19:41

Tgt Ion:	163	Resp:	246178
Ion Ratio	Lower	Upper	
163	100		
194	6.6	2.8	4.2#
164	12.4	9.0	13.4





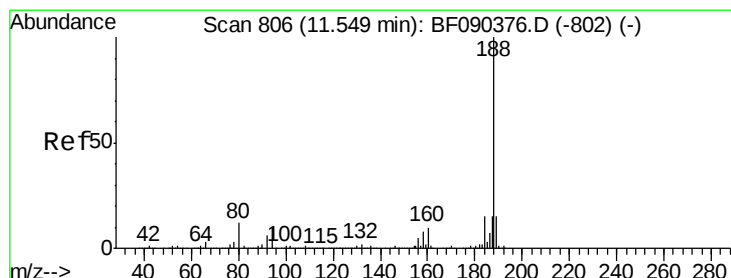
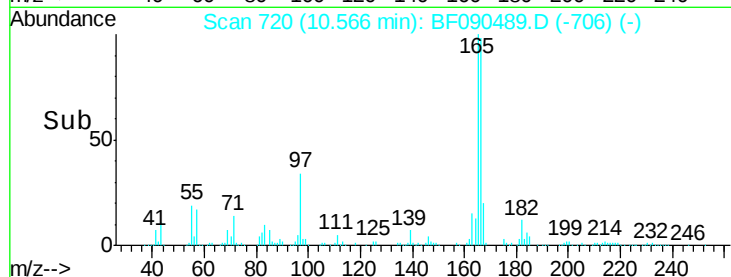
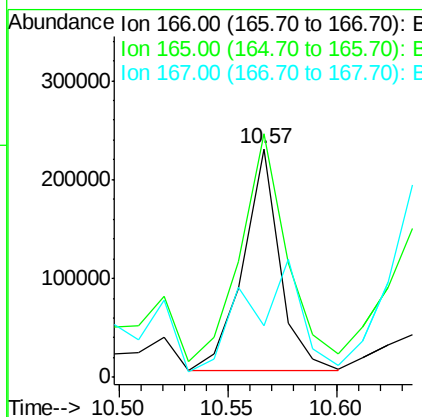
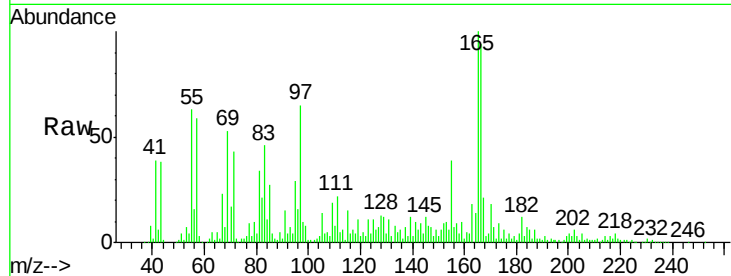
#57
Fluorene
 Concen: 7.38 ng
 RT: 10.57 min Scan# 720
 Delta R.T. -0.03 min
 Lab File: BF090489.D
 Acq: 10 Oct 2016 19:41

Instrument :
 BNA_F
 ClientSampled :
 T-5DL

Tot Ion	Ratio	Resp	Lower	Upper
166	100	261092		
165	106.4	79.2	118.8	
167	22.8	11.1	16.7	

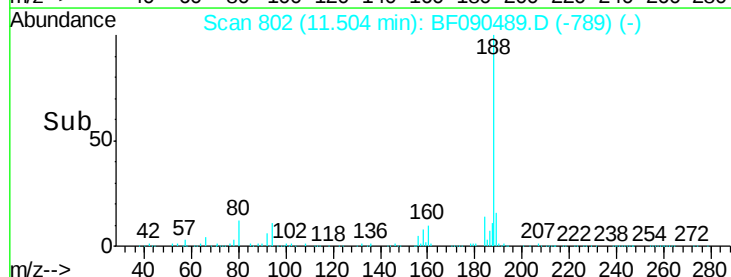
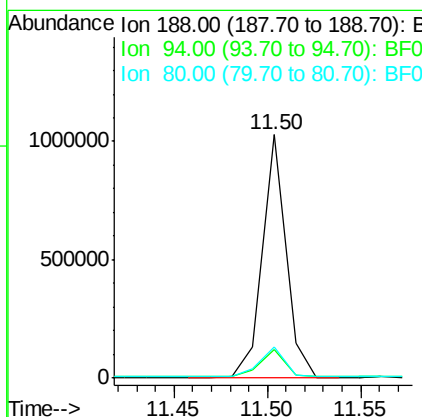
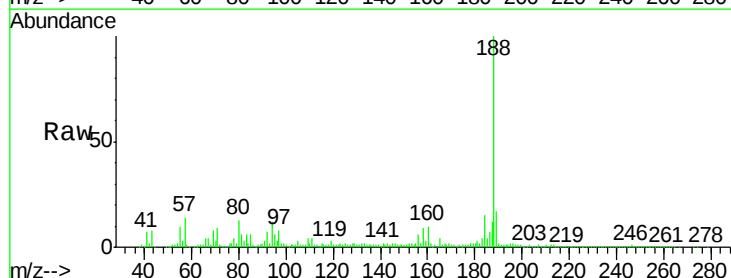
Manual Integrations
 APPROVED

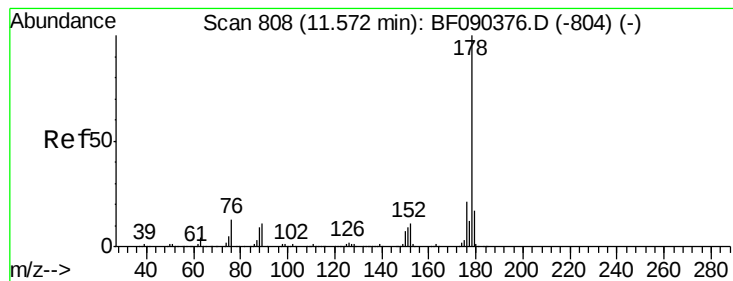
sohil
 10/11/2016 7:07:24 PM



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.50 min Scan# 802
 Delta R.T. -0.05 min
 Lab File: BF090489.D
 Acq: 10 Oct 2016 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	901505		
94	11.7	8.2	12.2	
80	12.7	8.8	13.2	





#70

Phenanthrene

Concen: 16.80 ng

RT: 11.53 min Scan# 804

Delta R.T. -0.05 min

Lab File: BF090489.D

Acq: 10 Oct 2016 19:41

Instrument :

BNA_F

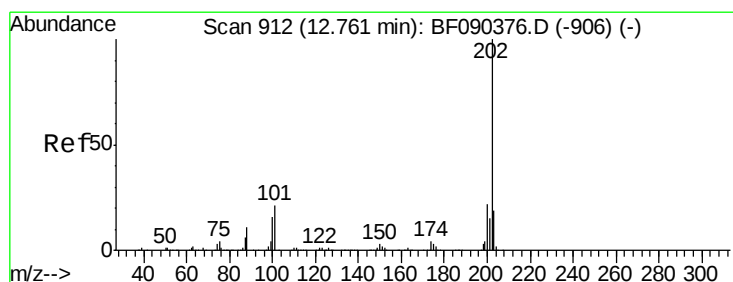
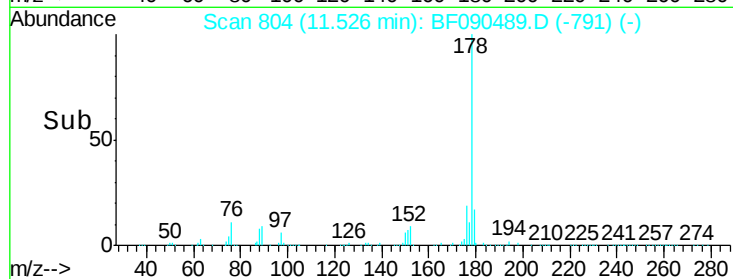
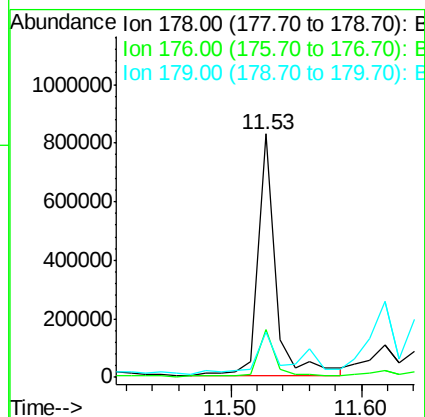
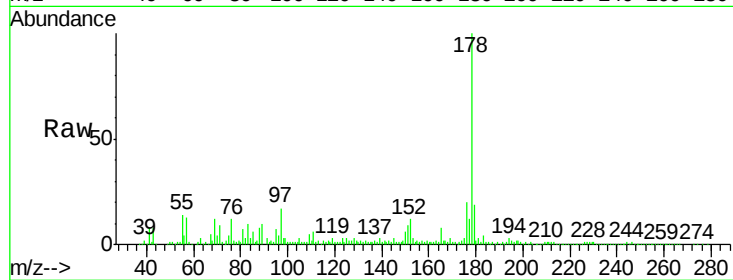
ClientSampled :

T-5DL

Tot Ion:	178	Resp:	775595
Ion Ratio	Lower	Upper	
178	100		
176	19.6	17.3	25.9
179	18.8	13.8	20.6

Manual Integrations
APPROVED

sohil
10/11/2016 7:07:24 PM



#74

Fluoranthene

Concen: 2.00 ng

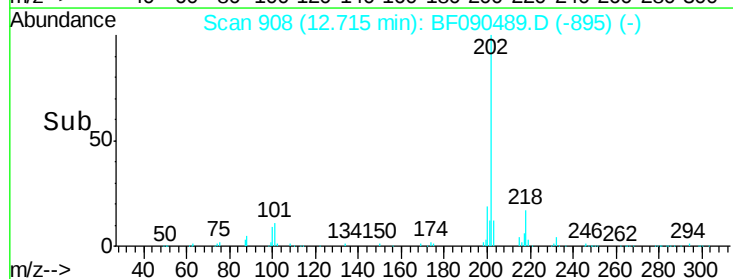
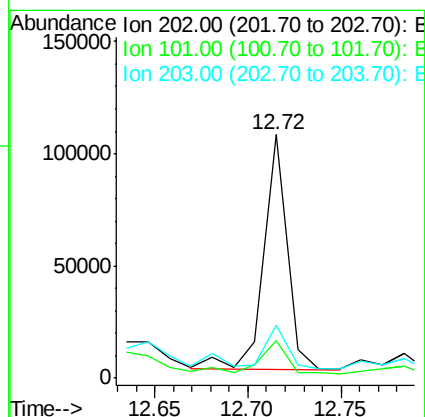
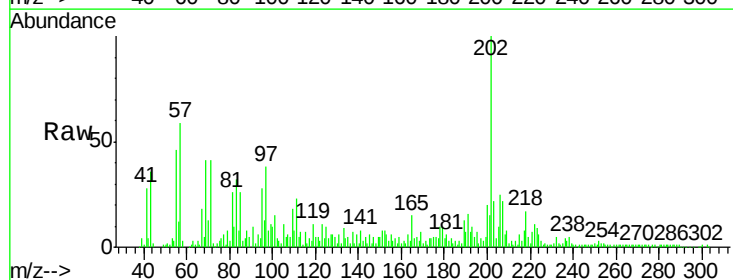
RT: 12.72 min Scan# 908

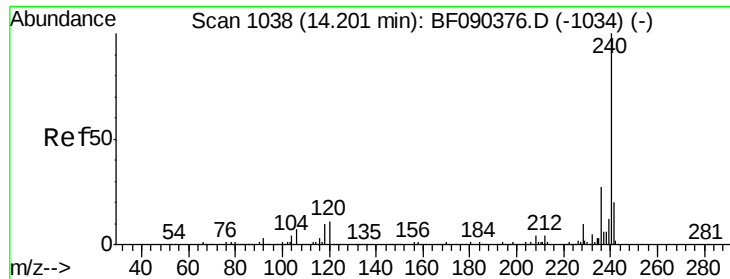
Delta R.T. -0.05 min

Lab File: BF090489.D

Acq: 10 Oct 2016 19:41

Tgt Ion:	202	Resp:	90670
Ion Ratio	Lower	Upper	
202	100		
101	15.2	0.0	37.2
203	21.8	0.0	39.3





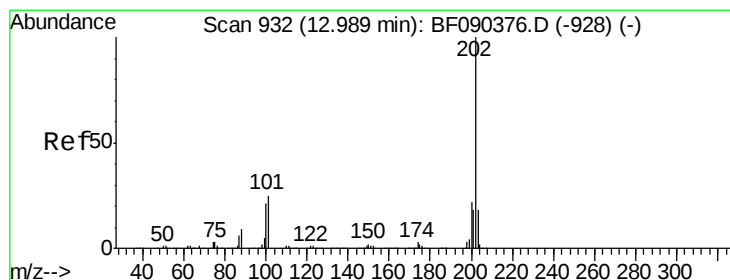
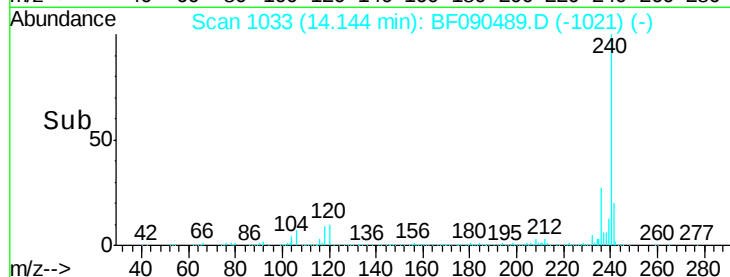
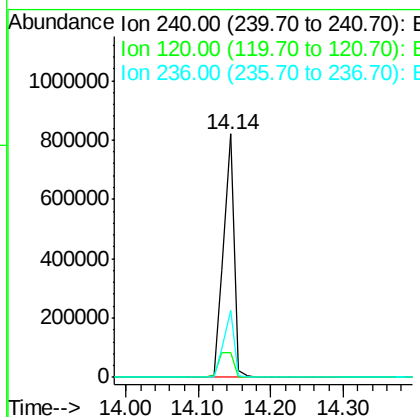
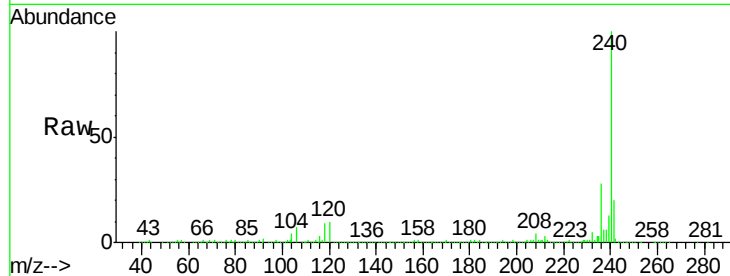
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.14 min Scan# 1033
Delta R.T. -0.06 min
Lab File: BF090489.D
Acq: 10 Oct 2016 19:41

Instrument :
BNA_F
ClientSampleId :
T-5DL

Tot Ion	Ratio	Resp	Lower	Upper
240	100	838194		
120	10.1		8.6	13.0
236	27.5		21.6	32.4

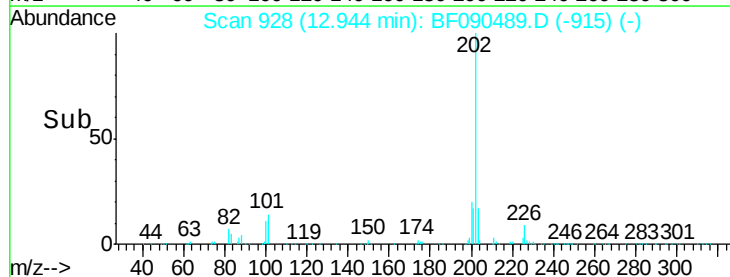
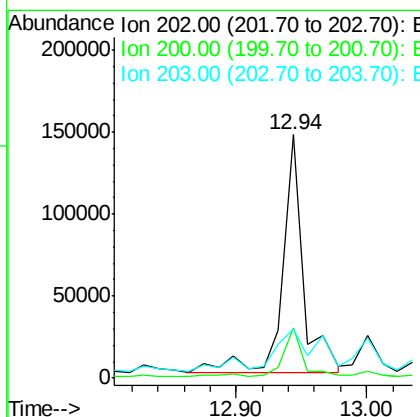
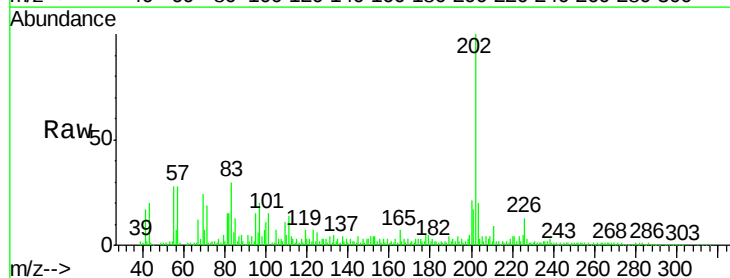
Manual Integrations
APPROVED

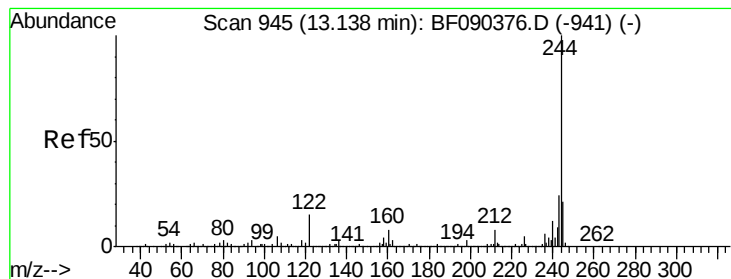
sohil
10/11/2016 7:07:24 PM



#77
Pyrene
Concen: 2.93 ng
RT: 12.94 min Scan# 928
Delta R.T. -0.05 min
Lab File: BF090489.D
Acq: 10 Oct 2016 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	163713		
200	20.6		18.5	27.7
203	20.0		15.0	22.6





#78

Terphenyl-d14

Concen: 16.57 ng

RT: 13.08 min Scan# 940

Delta R.T. -0.06 min

Lab File: BF090489.D

Acq: 10 Oct 2016 19:41

Instrument :

BNA_F

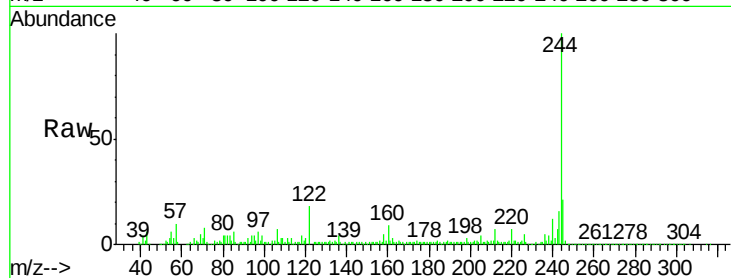
ClientSampled :

T-5DL

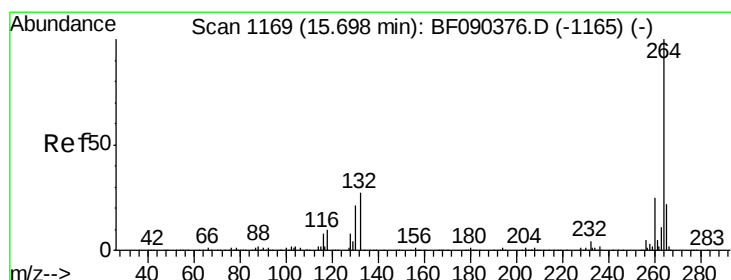
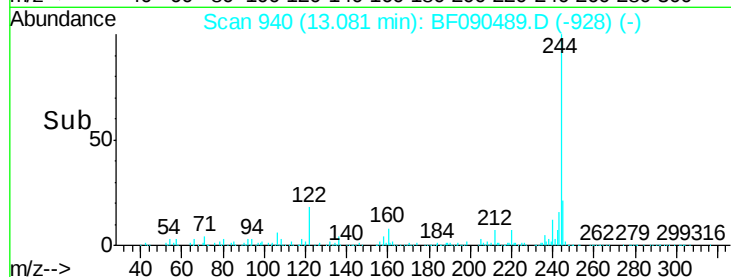
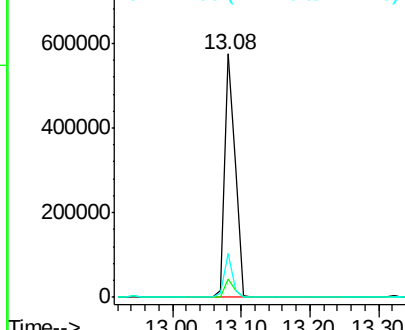
Tot Ion:	244	Resp:	617838
Ion Ratio	Lower	Upper	
244	100		
212	7.3	6.8	10.2
122	18.1	13.3	19.9

Manual Integrations
APPROVED

sohil
10/11/2016 7:07:24 PM



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

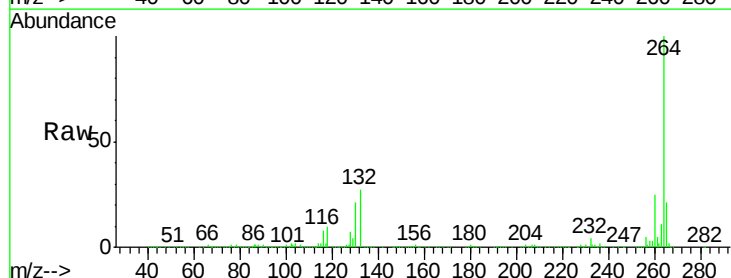
RT: 15.62 min Scan# 1162

Delta R.T. -0.08 min

Lab File: BF090489.D

Acq: 10 Oct 2016 19:41

Tgt Ion:	264	Resp:	609311
Ion Ratio	Lower	Upper	
264	100		
260	24.8	19.3	28.9
265	21.3	17.4	26.0



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

