

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
 Data File : BF090455.D
 Acq On : 7 Oct 2016 20:35
 Operator : UM/SJ
 Sample : H5140-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T-6

Manual Integrations
 APPROVED

sohil
 10/10/2016 6:54:16 PM

Quant Time: Oct 10 02:16:02 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	7.00	152	236987	20.00	ng	0.00
21) Naphthalene-d8	8.31	136	371179	20.00	ng	0.02
38) Acenaphthene-d10	10.10	164	327032	20.00	ng	0.05
63) Phenanthrene-d10	11.57	188	481089m	20.00	ng	0.02
75) Chrysene-d12	14.18	240	443518	20.00	ng	-0.02
86) Perylene-d12	15.68	264	419035	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	1512034	95.22	ng	0.00
7) Phenol-d6	6.63	99	1916734	92.16	ng	0.01
23) Nitrobenzene-d5	7.57	82	942659	123.54	ng	0.00
41) 2,4,6-Tribromophenol	10.89	330	286977	107.92	ng	0.03
44) 2-Fluorobiphenyl	9.40	172	1274710	64.94	ng	0.02
78) Terphenyl-d14	13.14	244	1440417	73.01	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.34	128	4653399	259.86	ng	# 95
37) 2-Methylnaphthalene	9.06	142	6252645	576.84	ng	98
45) 1,1'-Biphenyl	9.51	154	1135287	46.85	ng	96
49) Dimethylphthalate	9.79	163	168603	8.05	ng	# 88
57) Fluorene	10.65	166	886649m	44.25	ng	
70) Phenanthrene	11.61	178	2620606	106.38	ng	96
74) Fluoranthene	12.77	202	122361m	5.06	ng	
77) Pyrene	13.00	202	475499m	16.08	ng	

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

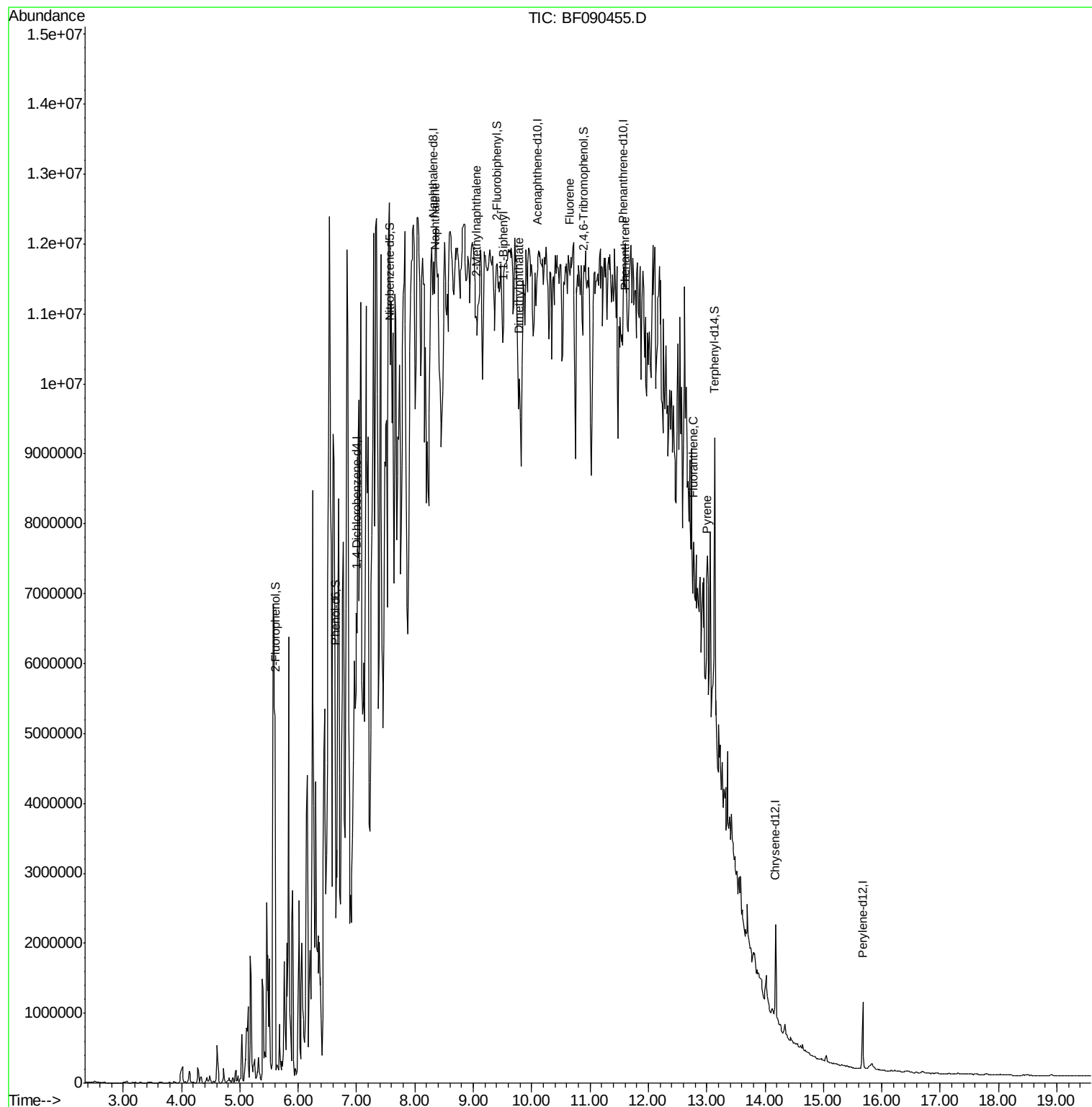
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090455.D
Acq On : 7 Oct 2016 20:35
Operator : UM/SJ
Sample : H5140-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

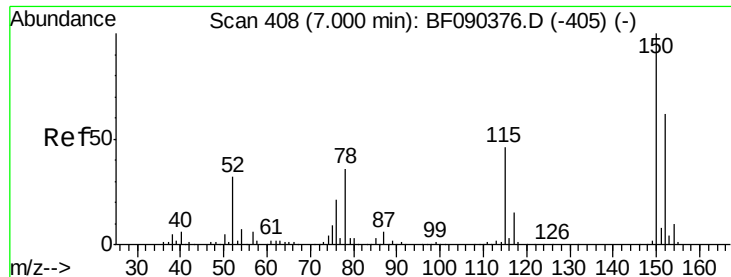
Instrument :
BNA_F
ClientSampled :
T-6

Quant Time: Oct 10 02:16:02 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

Manual Integrations
APPROVED

sohil
10/10/2016 6:54:16 PM





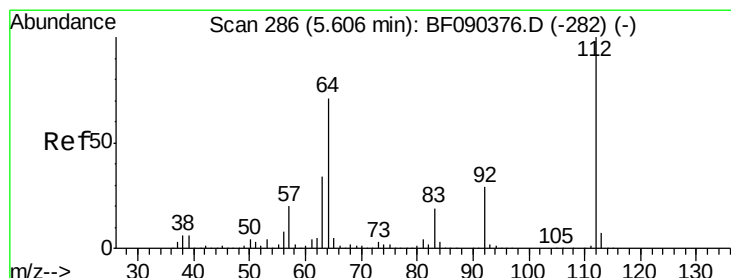
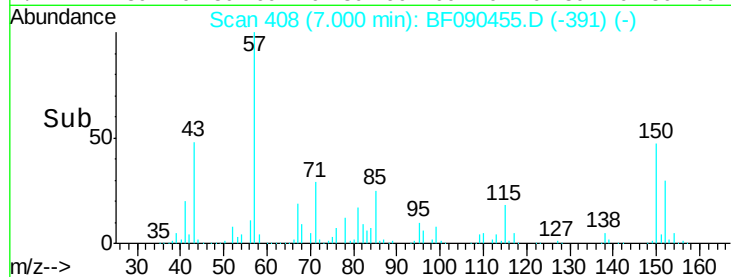
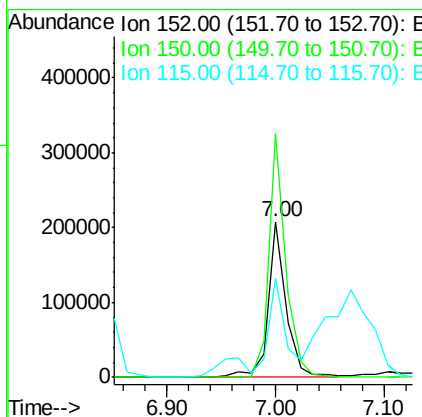
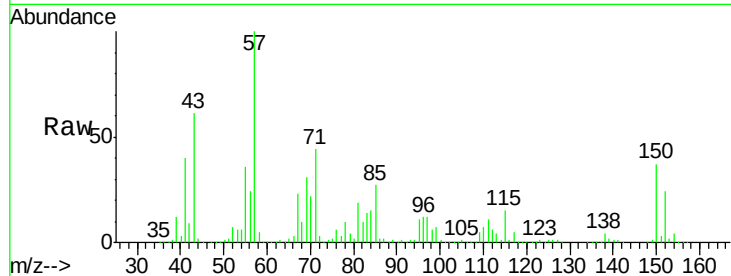
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.00 min Scan# 408
Delta R.T. -0.00 min
Lab File: BF090455.D
Acq: 7 Oct 2016 20:35

Instrument :
BNA_F
ClientSampled :
T-6

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.6	186.8
115	63.3	46.2	69.4

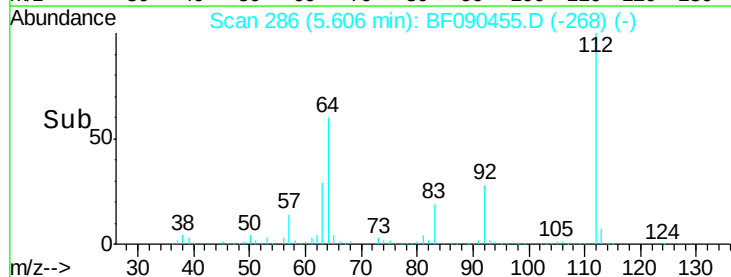
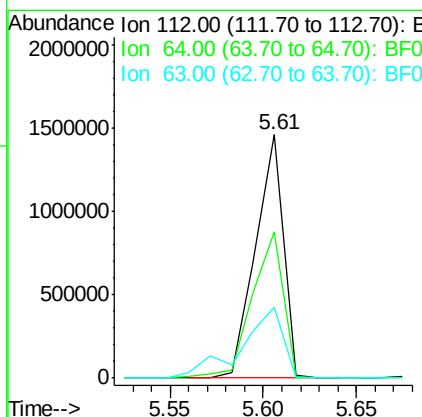
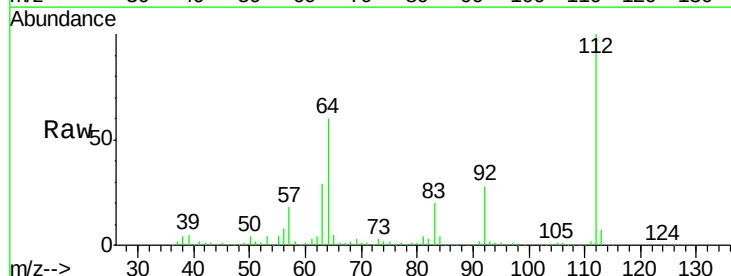
Manual Integrations
APPROVED

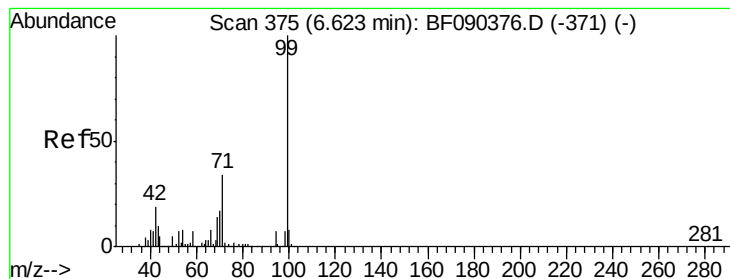
sohil
10/10/2016 6:54:16 PM



#5
2-Fluorophenol
Concen: 95.22 ng
RT: 5.61 min Scan# 286
Delta R.T. 0.00 min
Lab File: BF090455.D
Acq: 7 Oct 2016 20:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.9	57.9	86.9
63	29.0	29.6	44.4





#7

Phenol-d6

Concen: 92.16 ng

RT: 6.63 min Scan# 376

Delta R.T. 0.01 min

Lab File: BF090455.D

Acq: 7 Oct 2016 20:35

Instrument :

BNA_F

ClientSampled :

T-6

Tgt Ion: 99 Resp: 1916734

Ion Ratio Lower Upper

99 100

42 14.6 20.0 30.0#

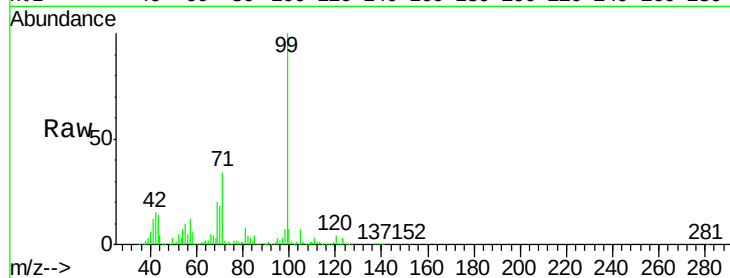
71 34.1 27.9 41.9

Manual Integrations

APPROVED

sohil

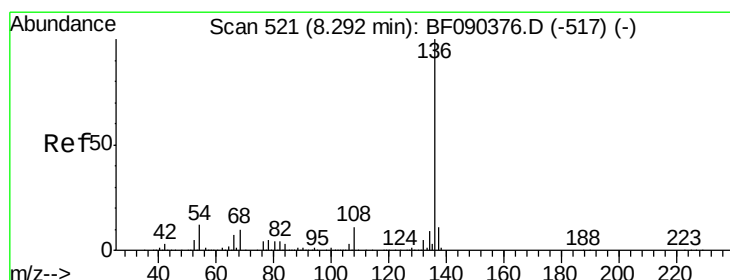
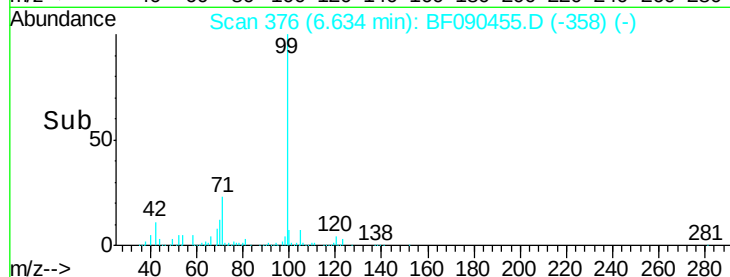
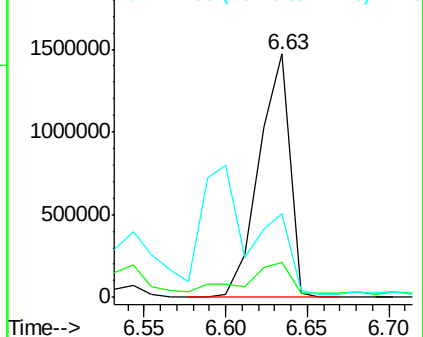
10/10/2016 6:54:16 PM



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: 8.31 min Scan# 523

Delta R.T. 0.02 min

Lab File: BF090455.D

Acq: 7 Oct 2016 20:35

Tgt Ion: 136 Resp: 371179

Ion Ratio Lower Upper

136 100

137 25.8 9.0 13.6#

54 35.2 6.6 10.0#

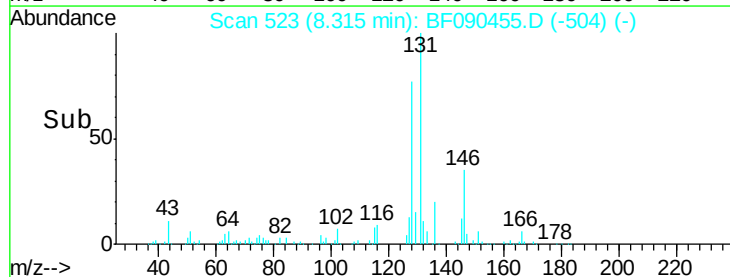
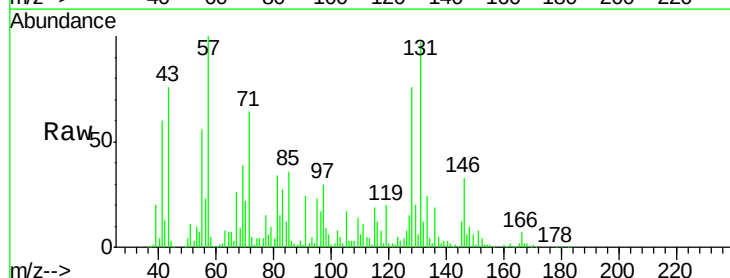
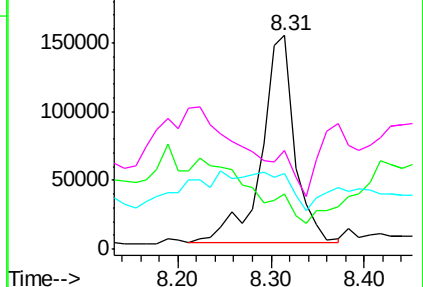
68 46.3 5.0 7.6#

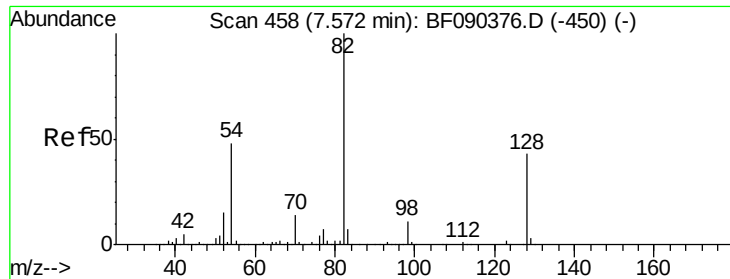
Abundance Ion 136.00 (135.70 to 136.70): E

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





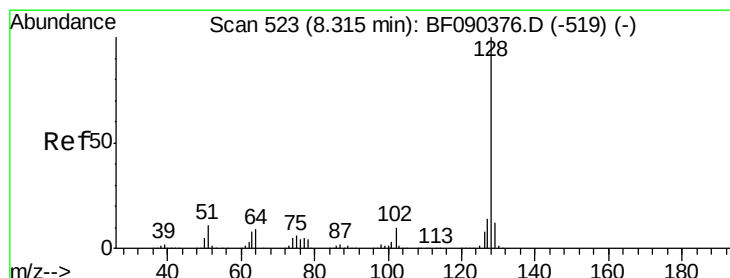
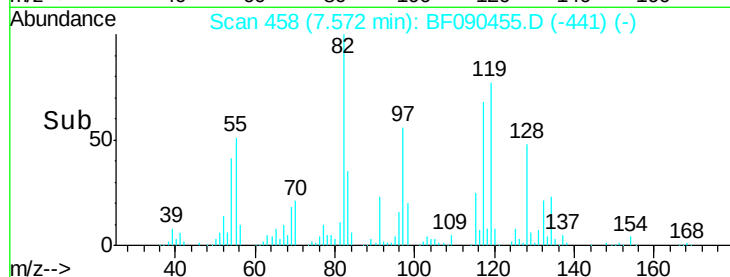
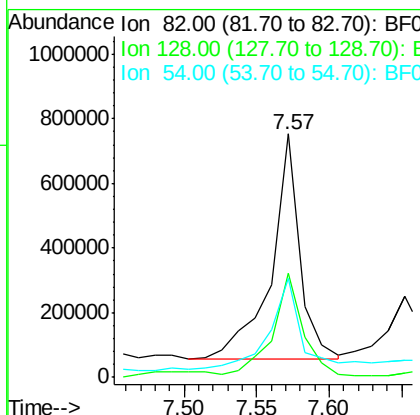
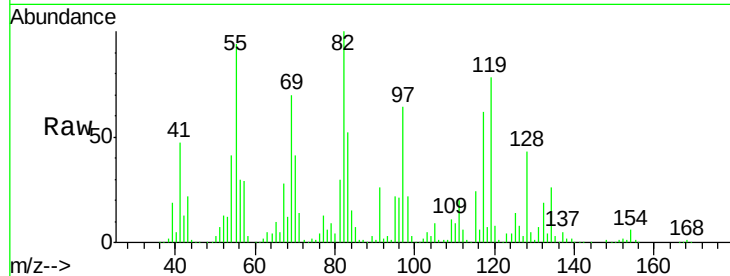
#23
 Nitrobenzene-d5
 Concen: 123.54 ng
 RT: 7.57 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: BF090455.D
 Acq: 7 Oct 2016 20:35

Instrument :
 BNA_F
 ClientSampled :
 T-6

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	942659		
128	43.0	40.0	60.0	
54	40.6	42.6	64.0#	

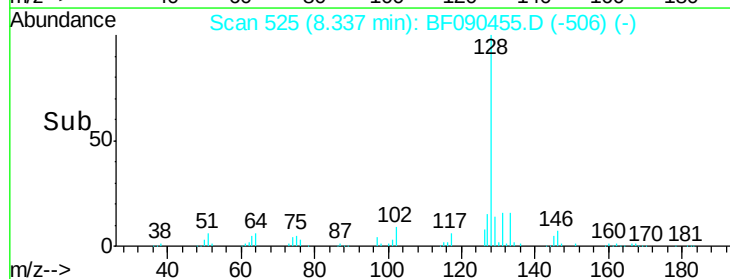
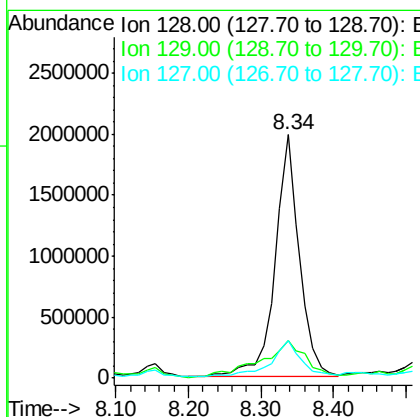
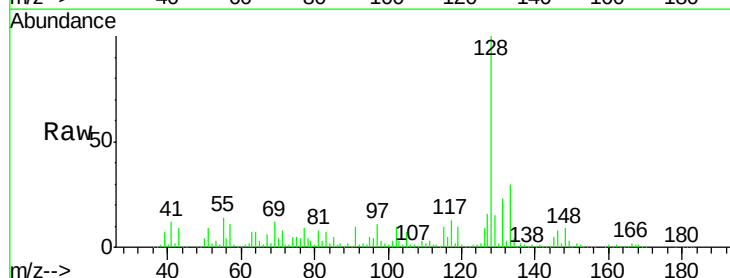
Manual Integrations
 APPROVED

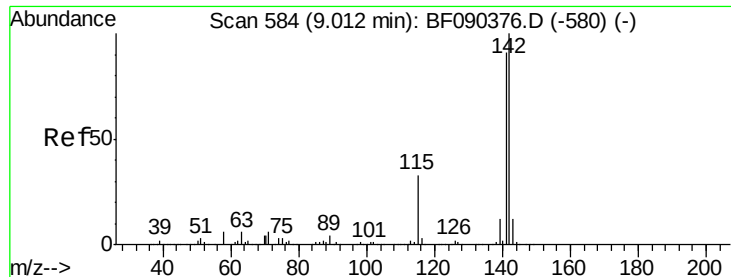
sohil
 10/10/2016 6:54:16 PM



#31
 Naphthalene
 Concen: 259.86 ng
 RT: 8.34 min Scan# 525
 Delta R.T. 0.02 min
 Lab File: BF090455.D
 Acq: 7 Oct 2016 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	4653399		
129	15.2	9.7	14.5#	
127	15.6	11.7	17.5	





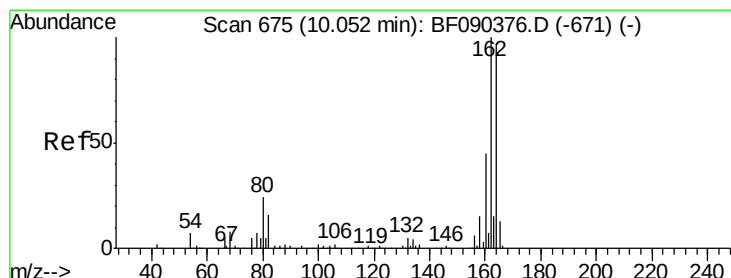
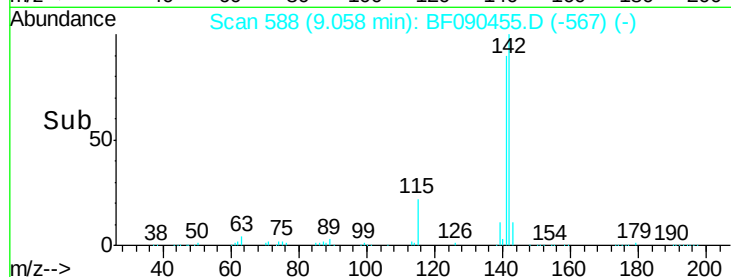
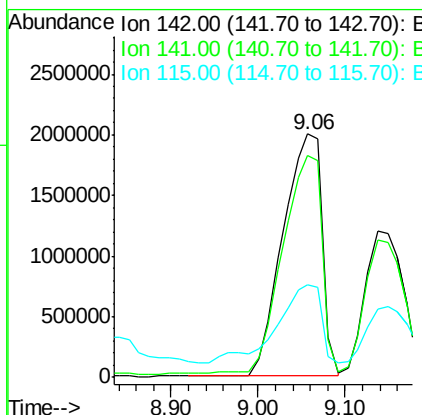
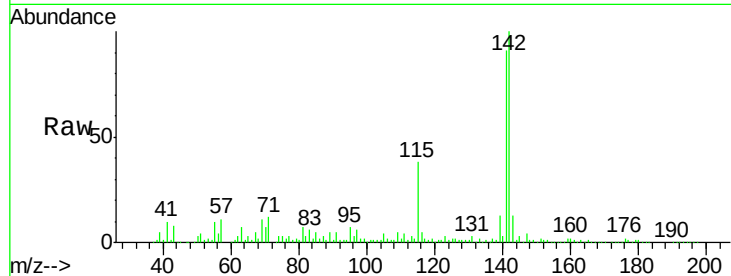
#37
2-Methylnaphthalene
Concen: 576.84 ng
RT: 9.06 min Scan# 588
Delta R.T. 0.05 min
Lab File: BF090455.D
Acq: 7 Oct 2016 20:35

Instrument :
BNA_F
ClientSampled :
T-6

Tgt Ion:142 Resp: 6252645
Ion Ratio Lower Upper
142 100
141 91.1 71.8 107.8
115 38.0 28.8 43.2

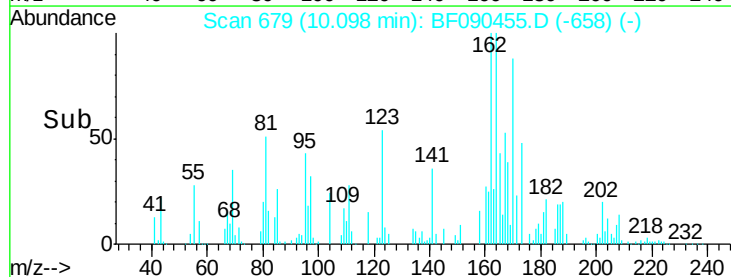
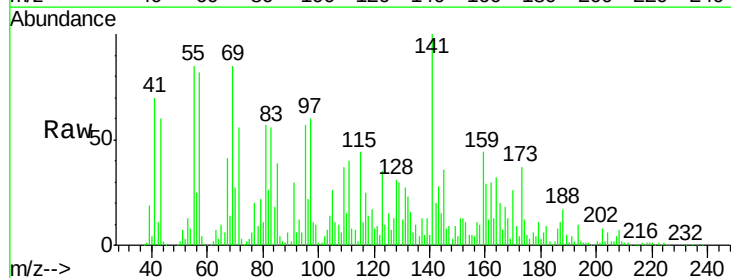
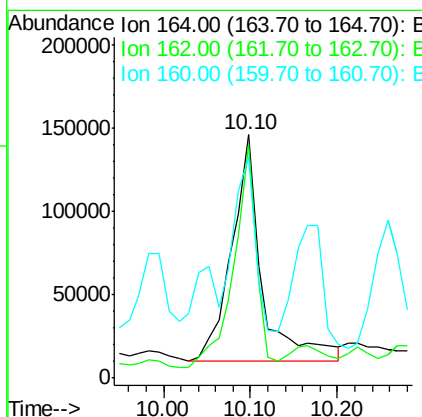
Manual Integrations
APPROVED

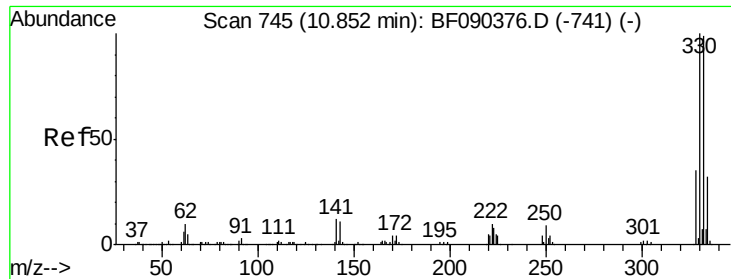
sohil
10/10/2016 6:54:16 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.10 min Scan# 679
Delta R.T. 0.05 min
Lab File: BF090455.D
Acq: 7 Oct 2016 20:35

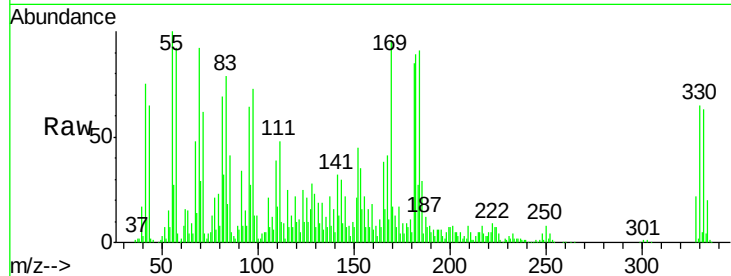
Tgt Ion:164 Resp: 327032
Ion Ratio Lower Upper
164 100
162 96.0 80.1 120.1
160 90.4 36.3 54.5#





#41
 2,4,6-Tribromophenol
 Concen: 107.92 ng
 RT: 10.89 min Scan# 748
 Delta R.T. 0.03 min
 Lab File: BF090455.D
 Acq: 7 Oct 2016 20:35

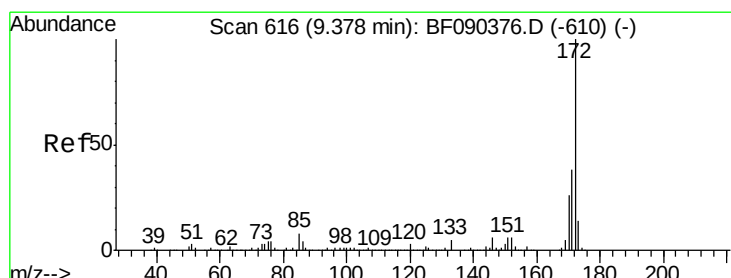
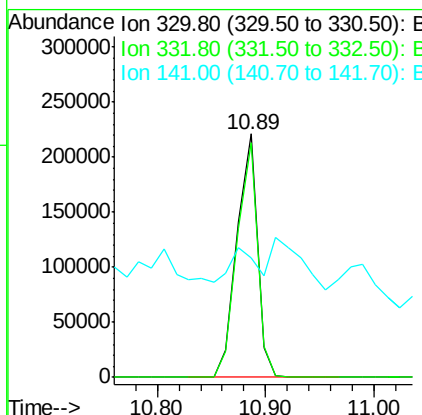
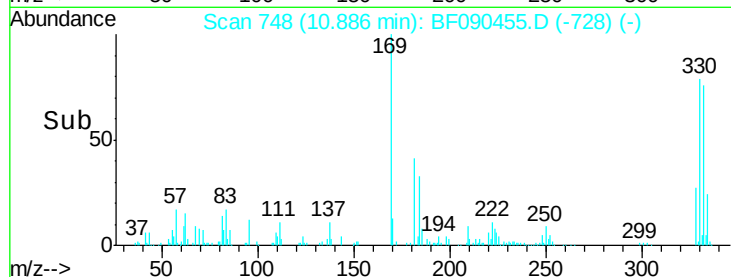
Instrument :
 BNA_F
 ClientSampled :
 T-6



Tgt Ion	Ratio	Resp	Lower	Upper
330	100	286977		
332	96.5	75.4	113.0	
141	32.2	26.9	40.3	

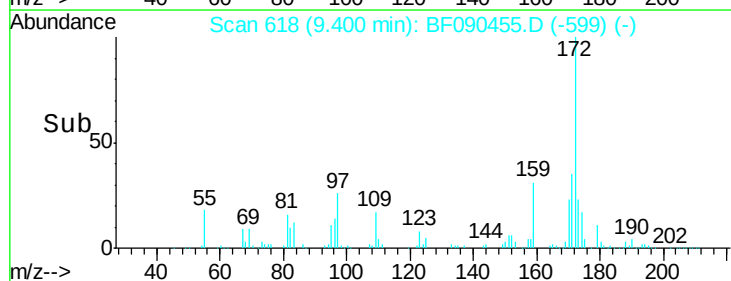
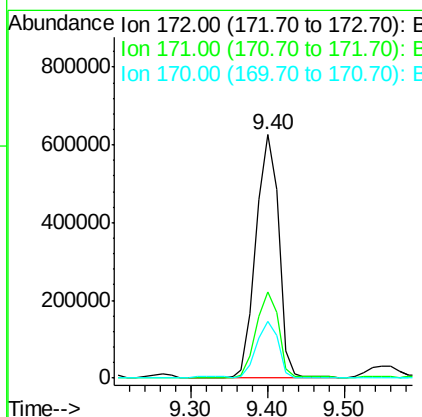
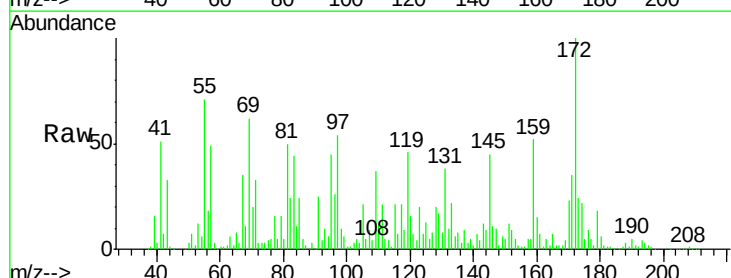
Manual Integrations
 APPROVED

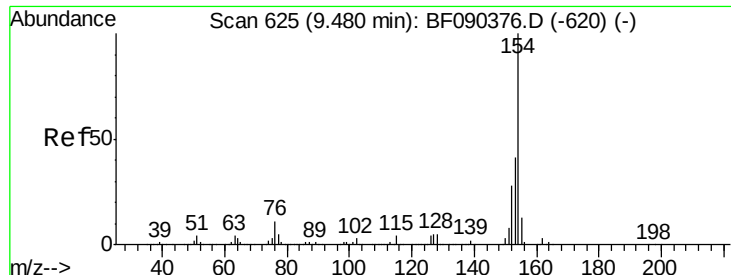
sohil
 10/10/2016 6:54:16 PM



#44
 2-Fluorobiphenyl
 Concen: 64.94 ng
 RT: 9.40 min Scan# 618
 Delta R.T. 0.02 min
 Lab File: BF090455.D
 Acq: 7 Oct 2016 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1274710		
171	35.2	31.8	47.8	
170	23.1	21.7	32.5	





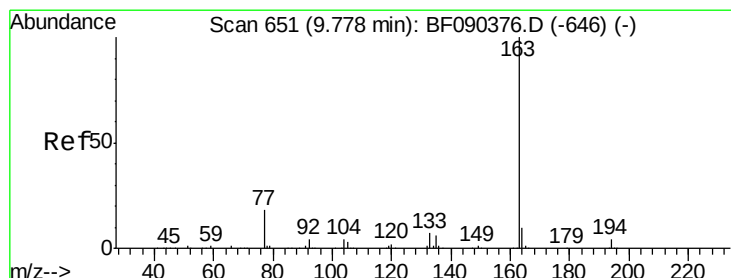
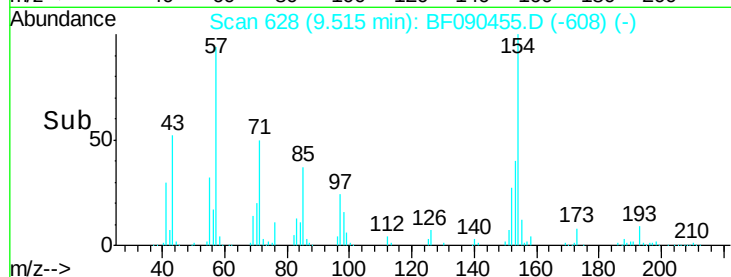
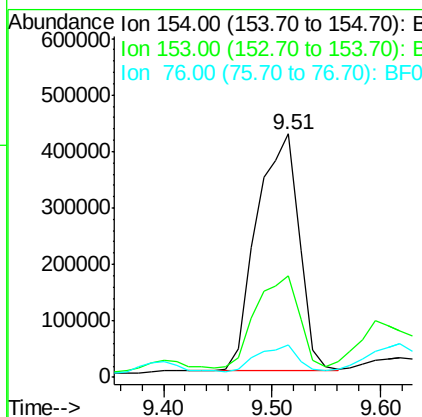
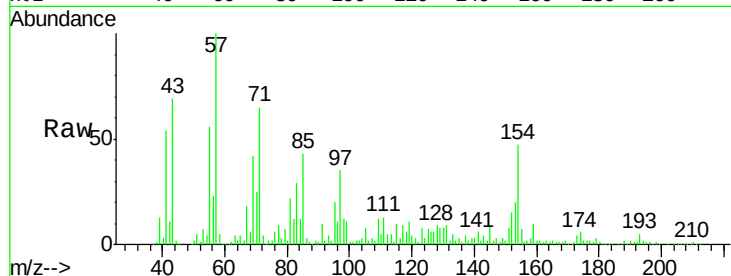
#45
 1,1'-Biphenyl
 Concen: 46.85 ng
 RT: 9.51 min Scan# 628
 Delta R.T. 0.03 min
 Lab File: BF090455.D
 Acq: 7 Oct 2016 20:35

Instrument :
 BNA_F
 ClientSampled :
 T-6

Tgt Ion:154 Resp: 1135287
 Ion Ratio Lower Upper
 154 100
 153 41.9 23.8 63.8
 76 13.3 0.0 35.8

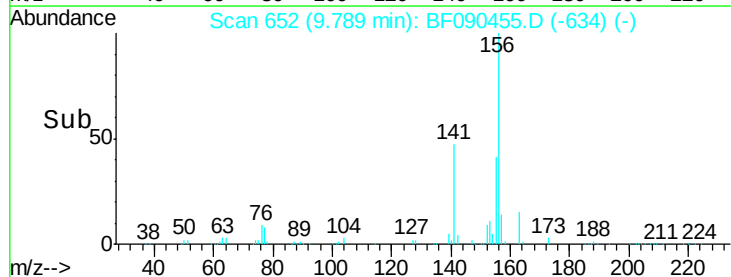
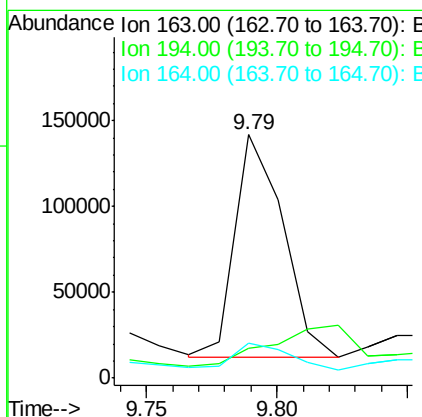
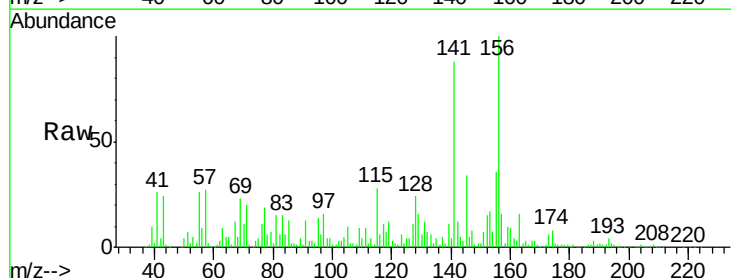
Manual Integrations
 APPROVED

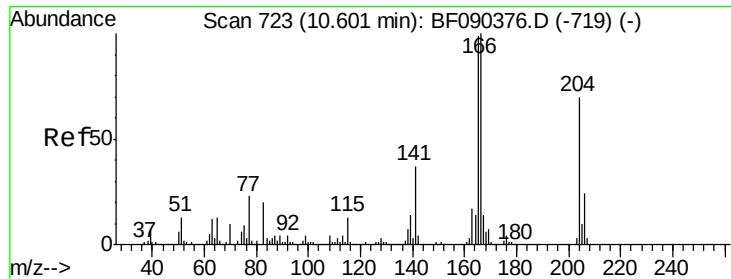
sohil
 10/10/2016 6:54:16 PM



#49
 Dimethylphthalate
 Concen: 8.05 ng
 RT: 9.79 min Scan# 652
 Delta R.T. 0.01 min
 Lab File: BF090455.D
 Acq: 7 Oct 2016 20:35

Tgt Ion:163 Resp: 168603
 Ion Ratio Lower Upper
 163 100
 194 12.1 2.8 4.2#
 164 14.3 9.0 13.4#





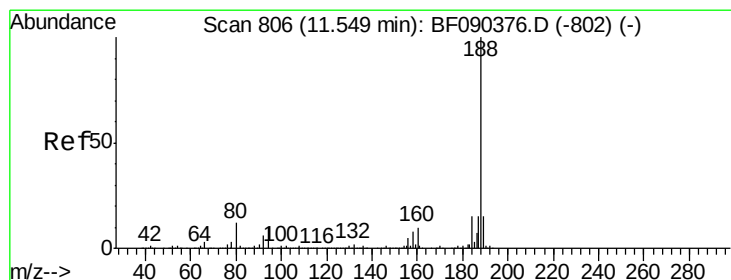
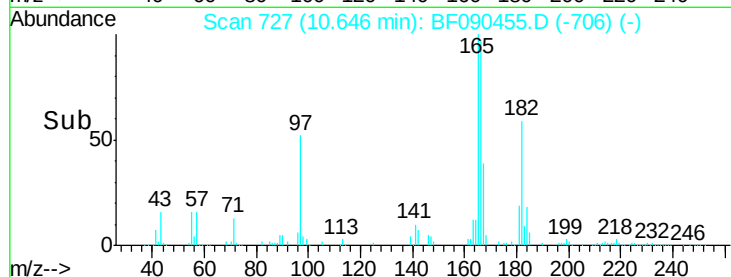
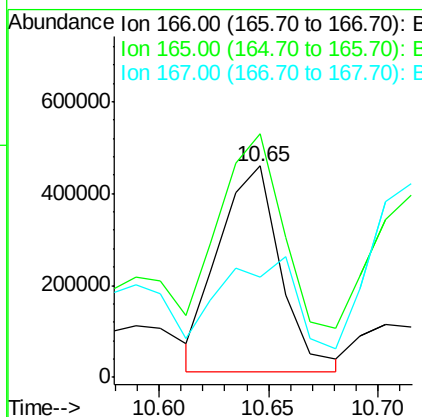
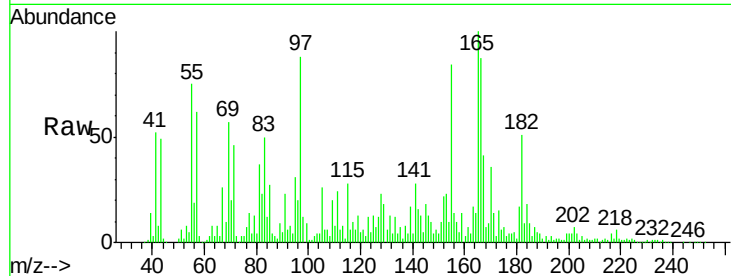
#57
Fluorene
Concen: 44.25 ng m
RT: 10.65 min Scan# 727
Delta R.T. 0.05 min
Lab File: BF090455.D
Acq: 7 Oct 2016 20:35

Instrument :
BNA_F
ClientSampled :
T-6

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	886649		
165	115.3	79.2	118.8	
167	47.5	11.1	16.7#	

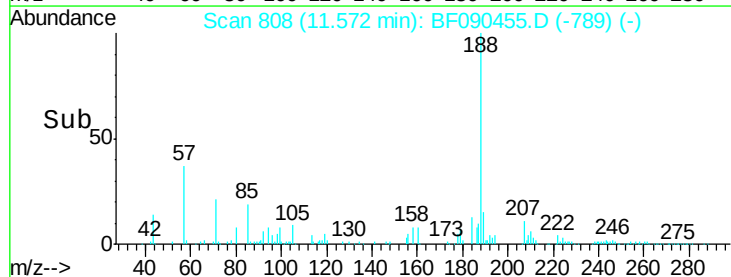
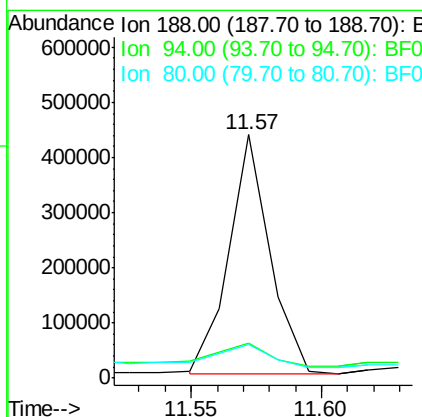
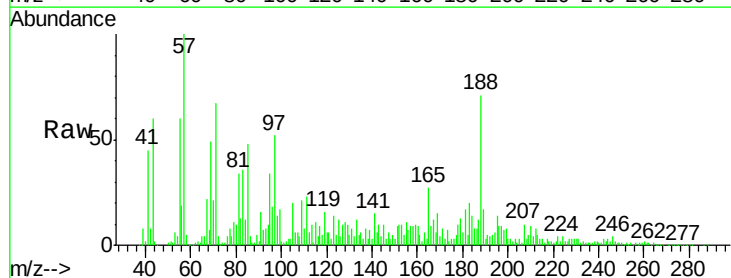
Manual Integrations
APPROVED

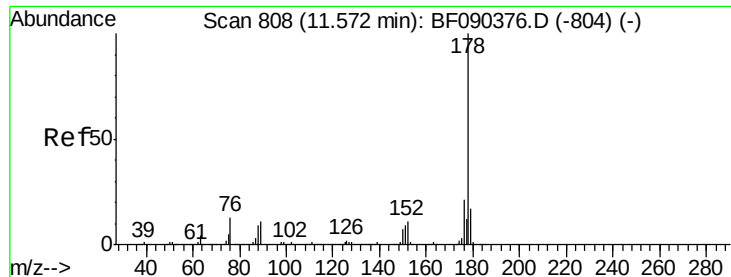
sohil
10/10/2016 6:54:16 PM



#63
Phenanthrene-d10
Concen: 20.00 ng m
RT: 11.57 min Scan# 808
Delta R.T. 0.02 min
Lab File: BF090455.D
Acq: 7 Oct 2016 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	481089		
94	14.1	8.2	12.2#	
80	14.0	8.8	13.2#	





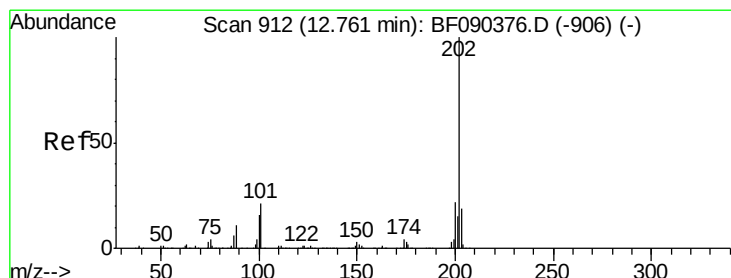
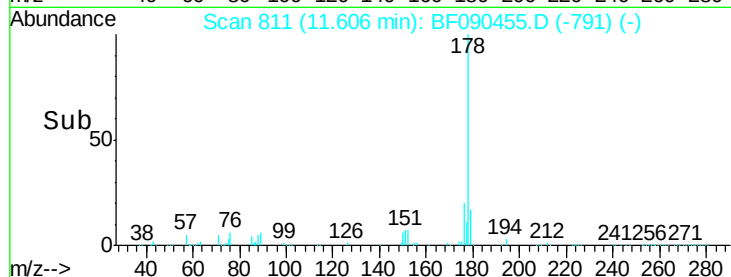
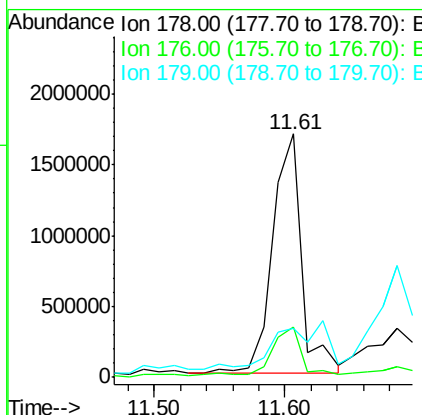
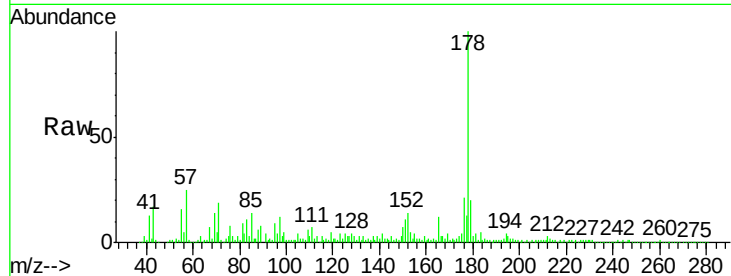
#70
Phenanthrene
Concen: 106.38 ng
RT: 11.61 min Scan# 811
Delta R.T. 0.03 min
Lab File: BF090455.D
Acq: 7 Oct 2016 20:35

Instrument :
BNA_F
ClientSampleId :
T-6

Tgt Ion:178 Resp: 2620606
Ion Ratio Lower Upper
178 100
176 20.5 17.3 25.9
179 20.2 13.8 20.6

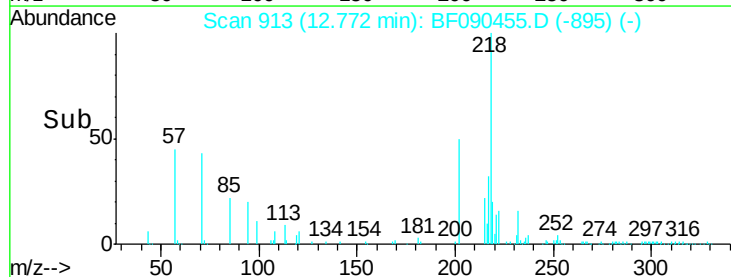
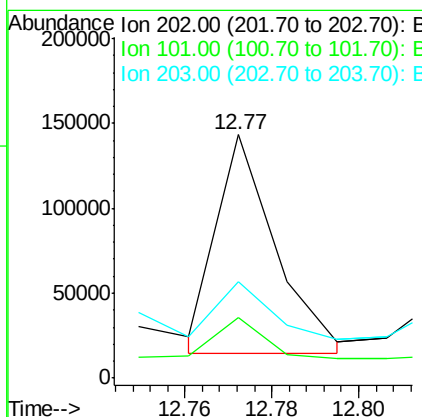
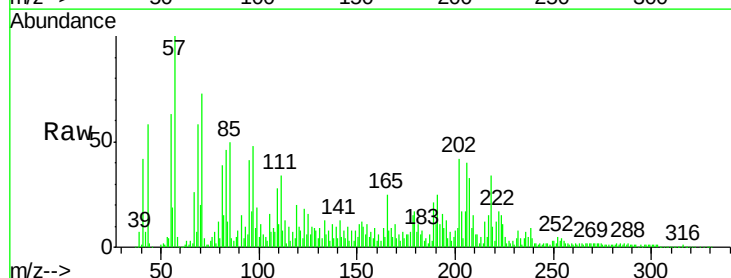
Manual Integrations
APPROVED

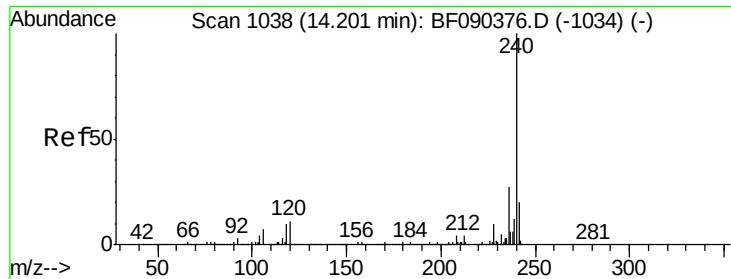
sohil
10/10/2016 6:54:16 PM



#74
Fluoranthene
Concen: 5.06 ng m
RT: 12.77 min Scan# 913
Delta R.T. 0.01 min
Lab File: BF090455.D
Acq: 7 Oct 2016 20:35

Tgt Ion:202 Resp: 122361
Ion Ratio Lower Upper
202 100
101 25.1 0.0 37.2
203 39.5 0.0 39.3#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.18 min Scan# 1036

Delta R.T. -0.02 min

Lab File: BF090455.D

Acq: 7 Oct 2016 20:35

Instrument :

BNA_F

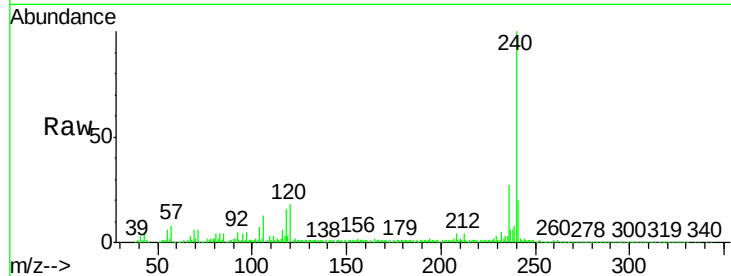
ClientSampleId :

T-6

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	443518		
120	18.0	8.6	13.0#	
236	26.6	21.6	32.4	

Manual Integrations
APPROVED

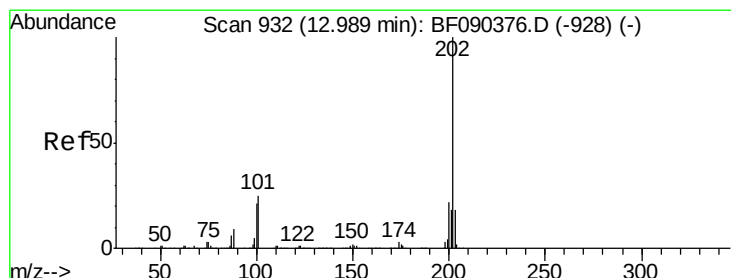
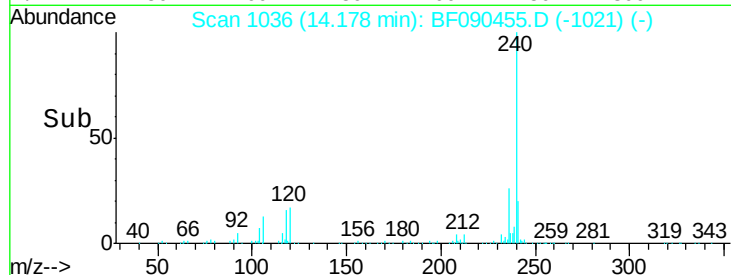
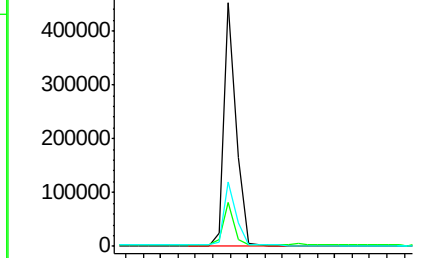
sohil
10/10/2016 6:54:16 PM



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 16.08 ng m

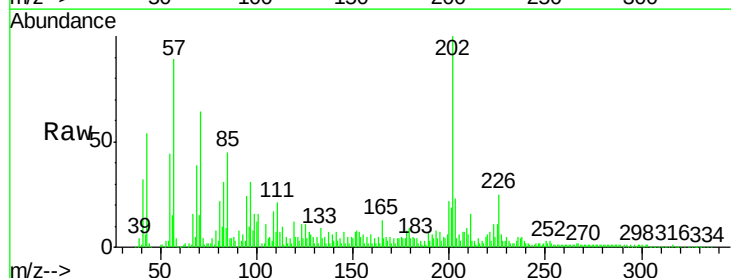
RT: 13.00 min Scan# 933

Delta R.T. 0.01 min

Lab File: BF090455.D

Acq: 7 Oct 2016 20:35

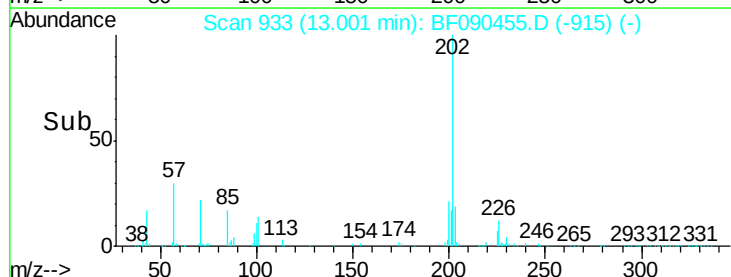
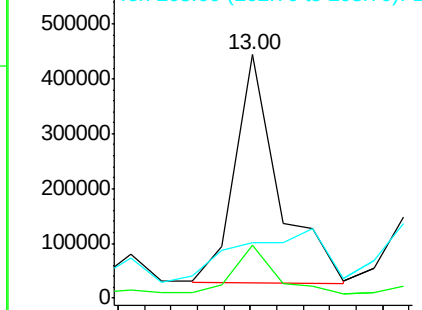
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	475499		
200	21.6	18.5	27.7	
203	22.8	15.0	22.6#	

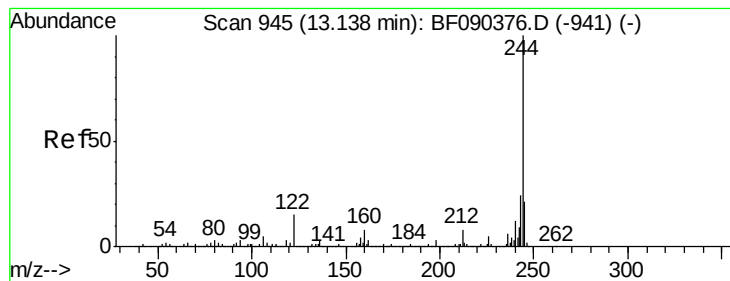


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 73.01 ng

RT: 13.14 min Scan# 945

Delta R.T. -0.00 min

Lab File: BF090455.D

Acq: 7 Oct 2016 20:35

Instrument :

BNA_F

ClientSampleId :

T-6

Tgt Ion:244 Resp: 1440417

Ion Ratio Lower Upper

244 100

212 7.0 6.8 10.2

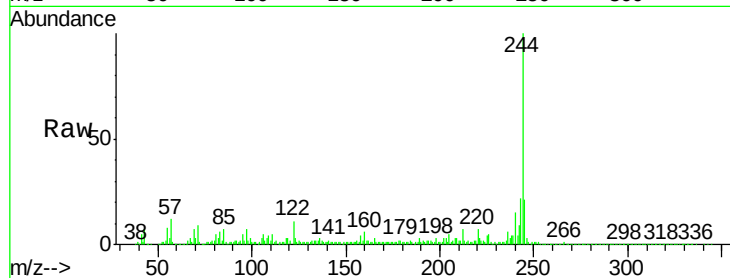
122 11.5 13.3 19.9#

Manual Integrations

APPROVED

sohil

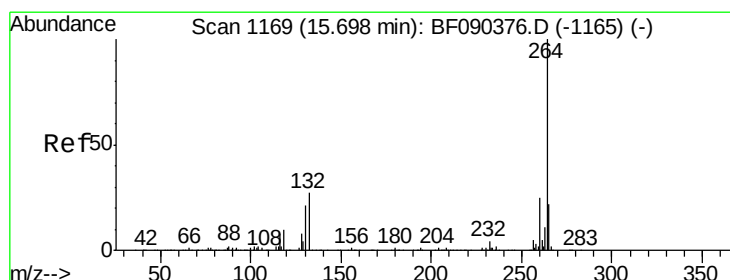
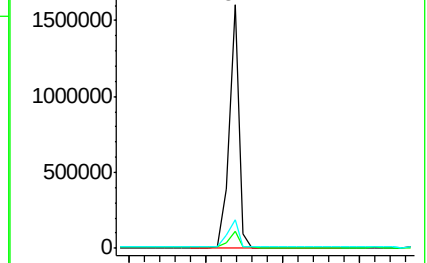
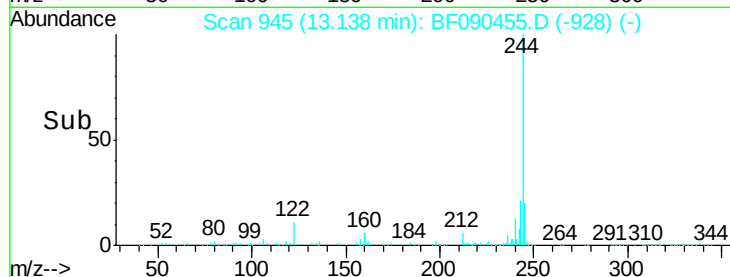
10/10/2016 6:54:16 PM



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: 15.68 min Scan# 1167

Delta R.T. -0.02 min

Lab File: BF090455.D

Acq: 7 Oct 2016 20:35

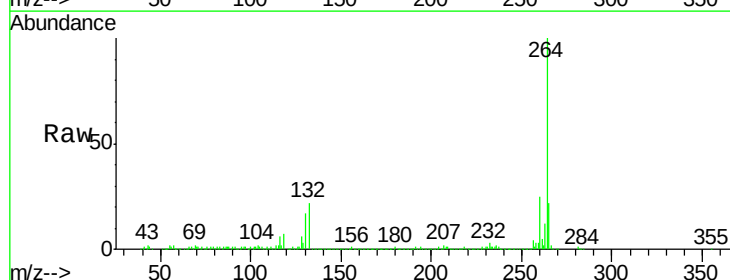
Tgt Ion:264 Resp: 419035

Ion Ratio Lower Upper

264 100

260 24.6 19.3 28.9

265 21.8 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

