

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
 Data File : BF090363.D
 Acq On : 5 Oct 2016 1:01
 Operator : UM/SJ
 Sample : H5025-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PA-2

Manual Integrations
 APPROVED

sohil
 10/5/2016 7:27:15 PM

Quant Time: Oct 05 04:19:17 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 04 14:16:07 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	220719	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	816504	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	378300	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	662257	20.00	ng	0.00
75) Chrysene-d12	14.20	240	703316	20.00	ng	0.00
86) Perylene-d12	15.71	264	521837	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	1556593	111.23	ng	0.00
7) Phenol-d6	6.63	99	1823917	104.27	ng	0.00
23) Nitrobenzene-d5	7.57	82	1186541	84.71	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	423887	129.01	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	1844620	79.50	ng	0.00
78) Terphenyl-d14	13.14	244	1910950	63.26	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.55	77	423785	52.19	ng	88
10) Phenol	6.65	94	46374	2.18	ng	95
32) Benzoic acid	7.99	122	49012	10.47	ng	90
49) Dimethylphthalate	9.77	163	579581	25.88	ng	99
70) Phenanthrene	11.57	178	269583	7.59	ng	96
74) Fluoranthene	12.76	202	315616	9.37	ng	93
77) Pyrene	12.99	202	299008	6.64	ng	97
80) Benzo(a)anthracene	14.19	228	146745	3.72	ng	100
82) Chrysene	14.22	228	152241m	4.12	ng	
83) Bis(2-ethylhexyl)phthalate	14.18	149	258761	9.11	ng	# 95
87) Benzo(b)fluoranthene	15.26	252	162997m	5.43	ng	
88) Benzo(k)fluoranthene	15.29	252	57670m	2.01	ng	
89) Benzo(a)pyrene	15.64	252	99082	3.62	ng	# 95

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

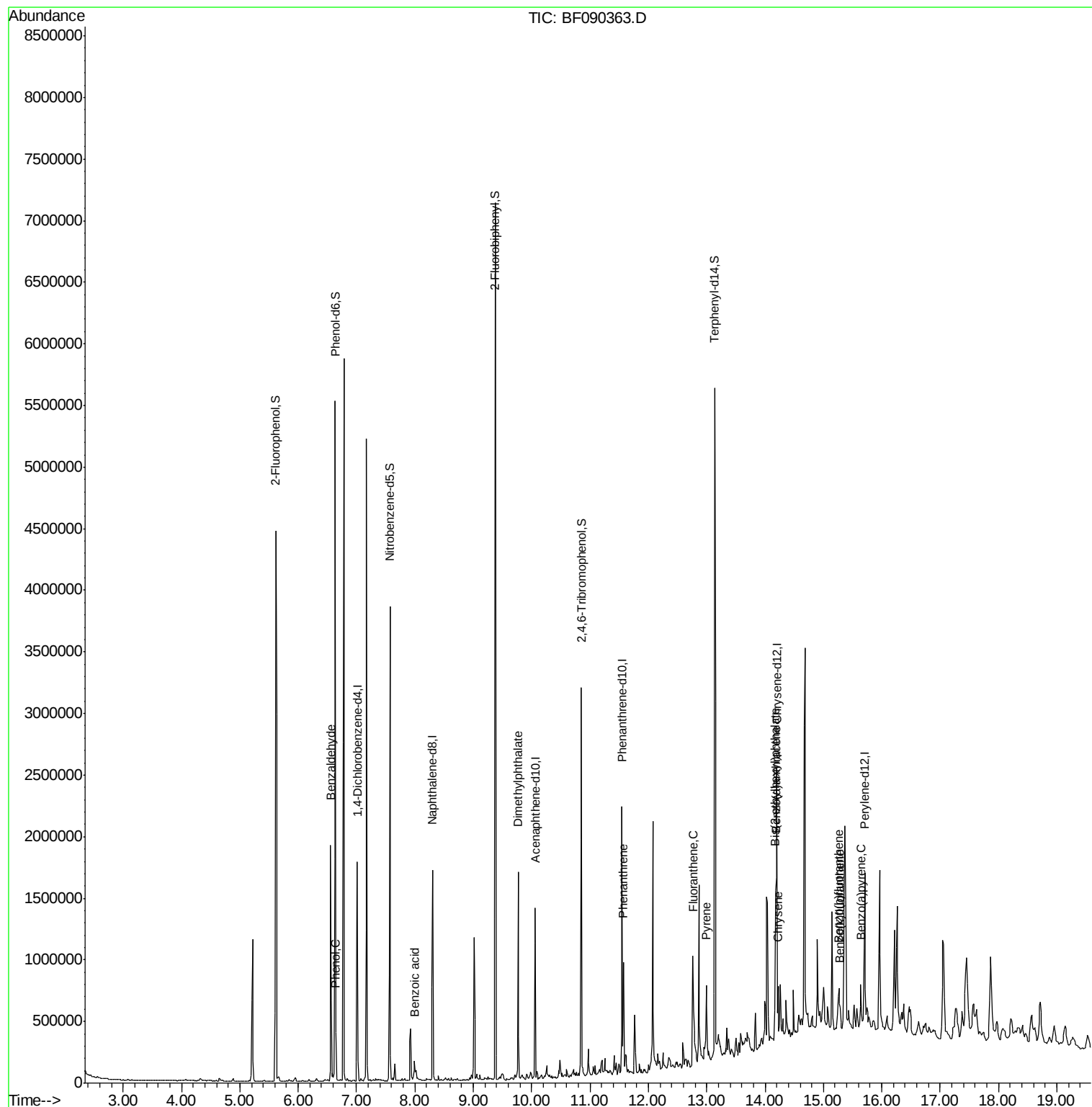
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100416\
Data File : BF090363.D
Acq On : 5 Oct 2016 1:01
Operator : UM/SJ
Sample : H5025-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

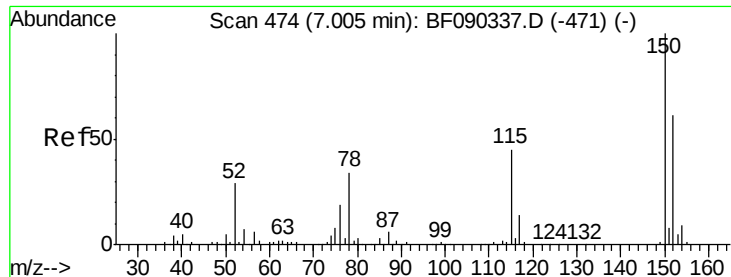
Instrument :
BNA_F
ClientSampleId :
PA-2

Manual Integrations
APPROVED

sohil
10/5/2016 7:27:15 PM

Quant Time: Oct 05 04:19:17 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 04 14:16:07 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.01 min Scan# 409

Delta R.T. 0.01 min

Lab File: BF090363.D

Acq: 5 Oct 2016 1:01

Instrument :

BNA_F

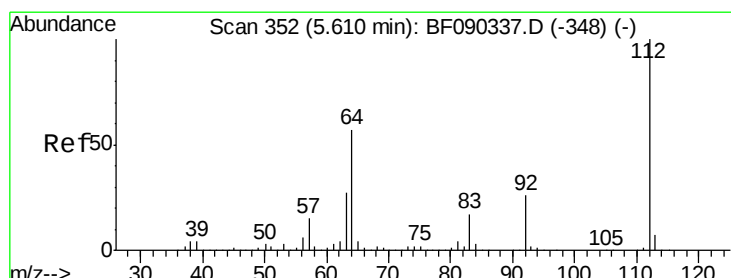
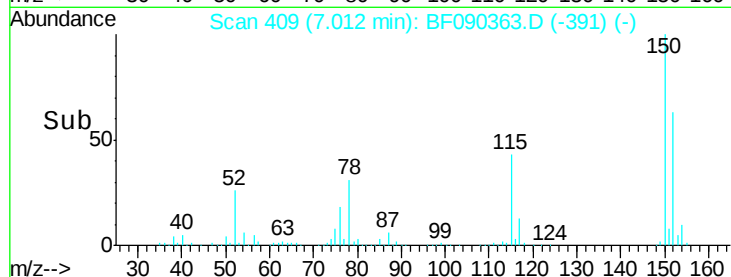
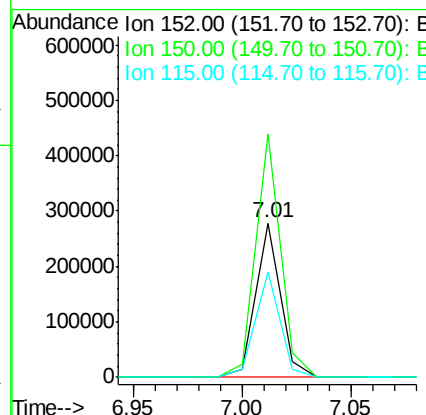
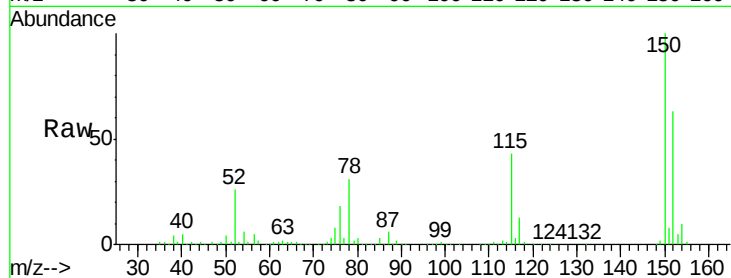
ClientSampled :

PA-2

Tgt	Ion	Ratio	Resp	Lower	Upper
152	100		220719		
150	157.9	124.6	186.8		
115	67.9	46.2	69.4		

Manual Integrations
APPROVED

sohil
10/5/2016 7:27:15 PM



#5

2-Fluorophenol

Concen: 111.23 ng

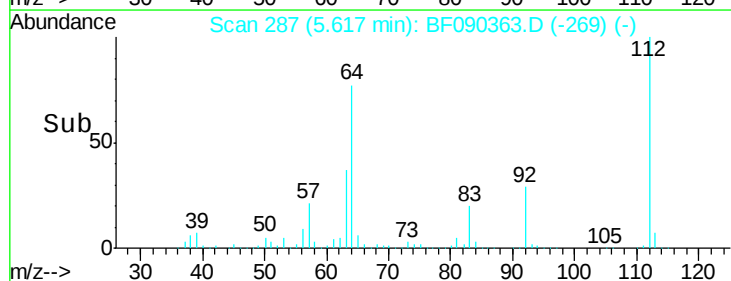
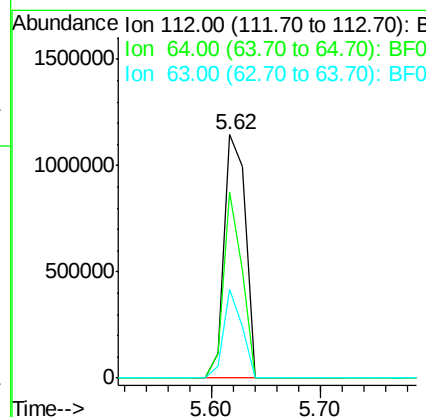
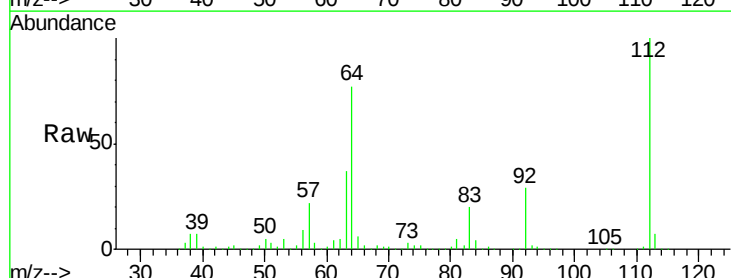
RT: 5.62 min Scan# 287

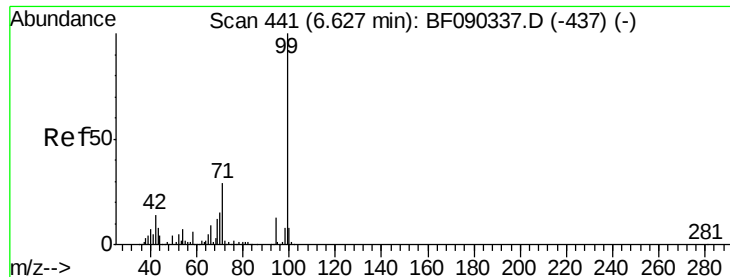
Delta R.T. 0.01 min

Lab File: BF090363.D

Acq: 5 Oct 2016 1:01

Tgt	Ion	Ratio	Resp	Lower	Upper
112	100		1556593		
64	76.5	57.9	86.9		
63	36.6	29.6	44.4		





#7

Phenol-d6

Concen: 104.27 ng

RT: 6.63 min Scan# 376

Delta R.T. 0.01 min

Lab File: BF090363.D

Acq: 5 Oct 2016 1:01

Instrument :

BNA_F

ClientSampled :

PA-2

Tgt Ion: 99 Resp: 1823917

Ion Ratio Lower Upper

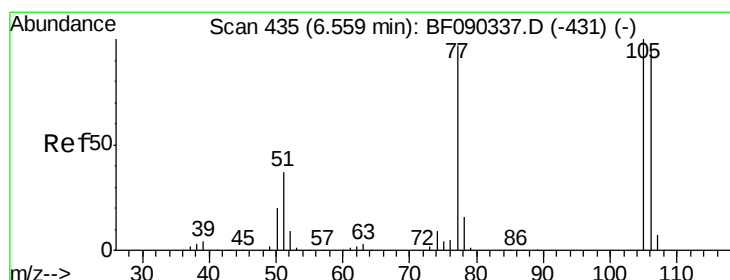
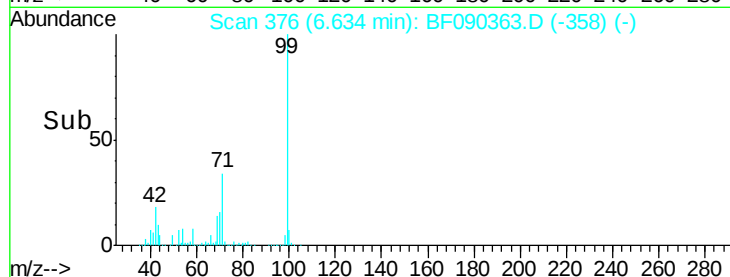
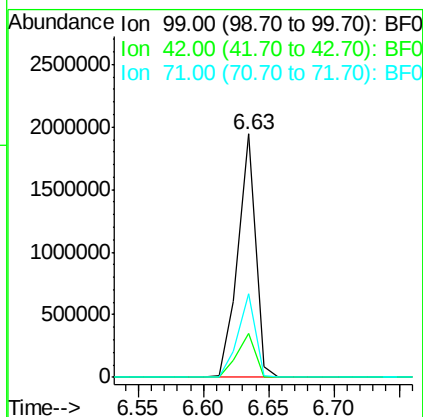
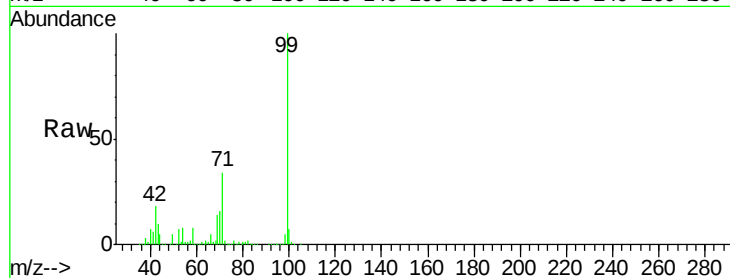
99 100

42 18.2 20.0 30.0#

71 34.2 27.9 41.9

Manual Integrations
APPROVED

sohil
10/5/2016 7:27:15 PM



#9

Benzaldehyde

Concen: 52.19 ng

RT: 6.55 min Scan# 369

Delta R.T. -0.00 min

Lab File: BF090363.D

Acq: 5 Oct 2016 1:01

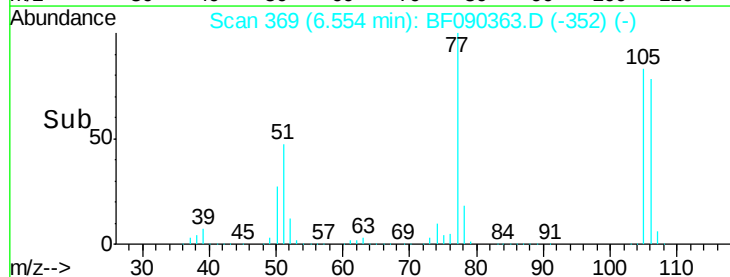
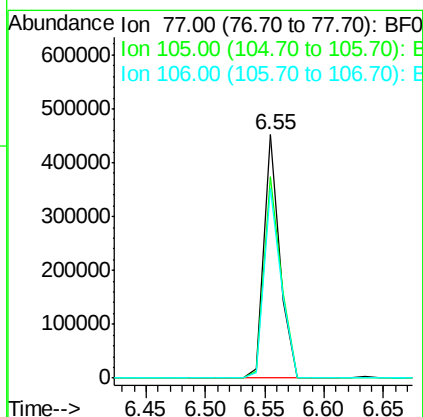
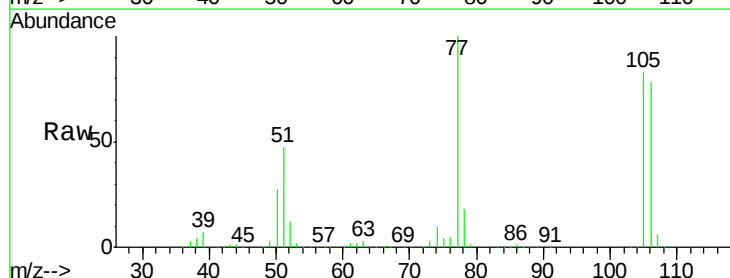
Tgt Ion: 77 Resp: 423785

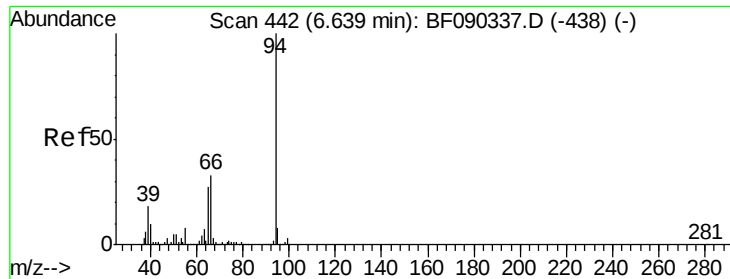
Ion Ratio Lower Upper

77 100

105 82.8 73.1 113.1

106 78.0 70.2 110.2





#10

Phenol

Concen: 2.18 ng

RT: 6.65 min Scan# 377

Delta R.T. 0.01 min

Lab File: BF090363.D

Acq: 5 Oct 2016 1:01

Instrument :

BNA_F

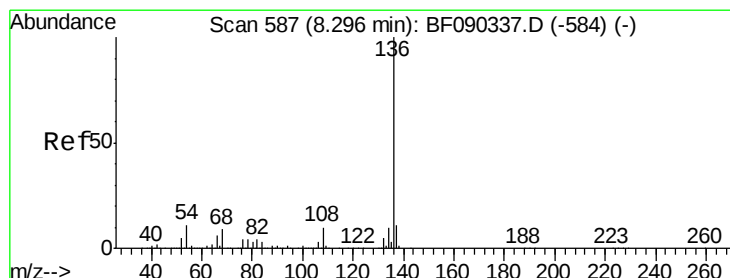
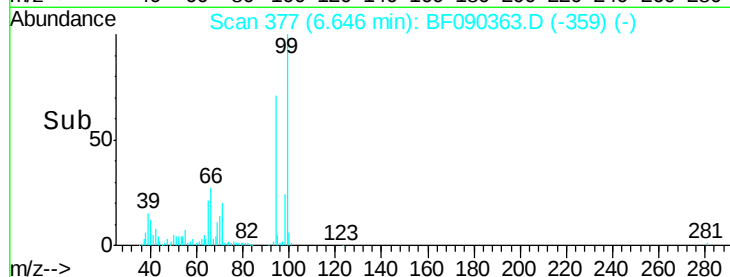
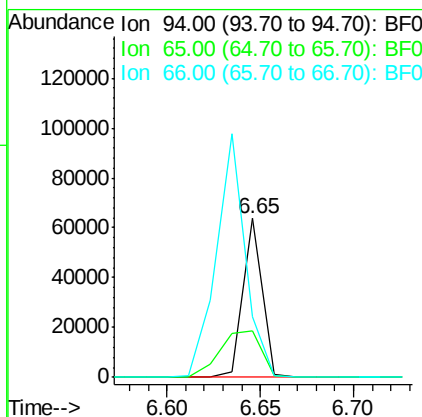
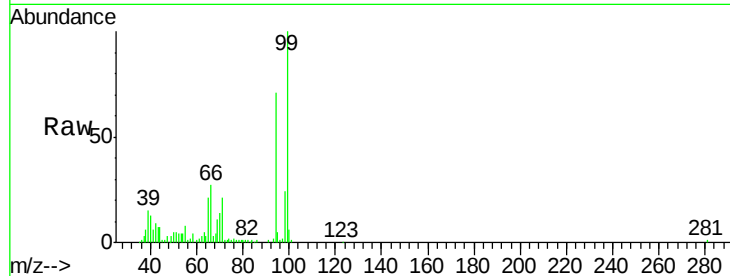
ClientSampleId :

PA-2

Tgt Ion:	94	Resp:	46374
Ion Ratio	Lower	Upper	
94	100		
65	29.5	13.3	53.3
66	38.1	20.4	60.4

Manual Integrations
APPROVED

sohil
10/5/2016 7:27:15 PM



#21

Naphthalene-d8

Concen: 20.00 ng

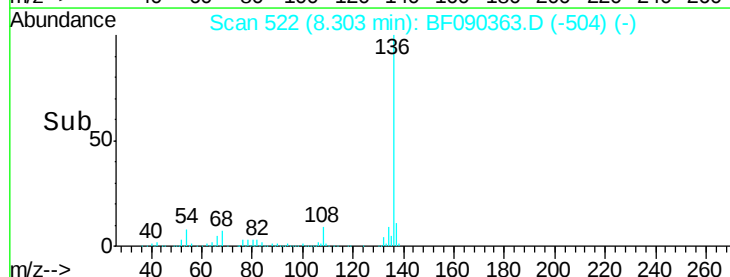
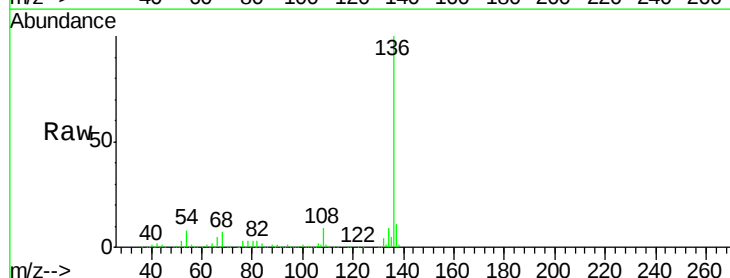
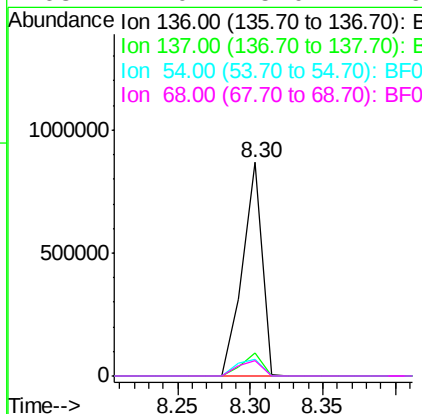
RT: 8.30 min Scan# 522

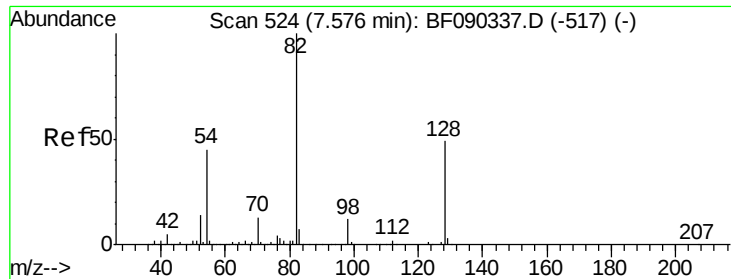
Delta R.T. 0.01 min

Lab File: BF090363.D

Acq: 5 Oct 2016 1:01

Tgt Ion:	136	Resp:	816504
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.0	13.6
54	7.7	6.6	10.0
68	7.0	5.0	7.6





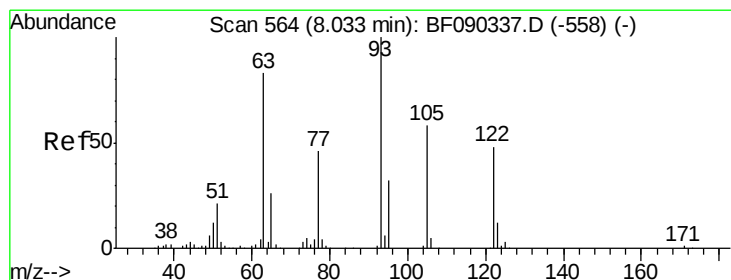
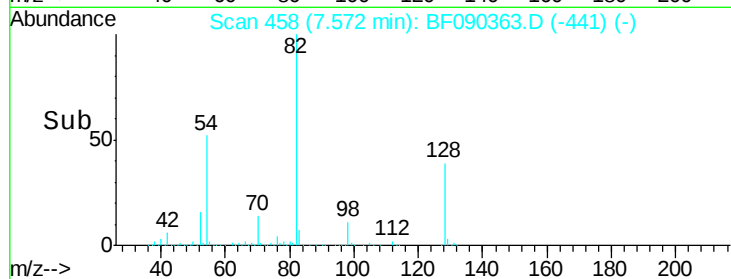
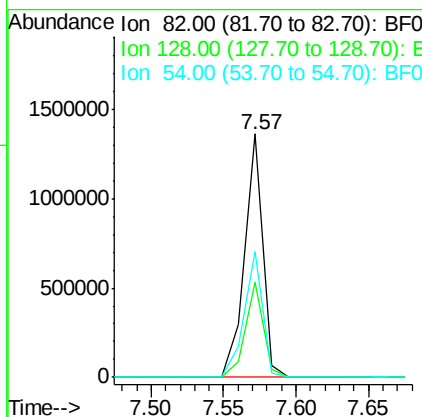
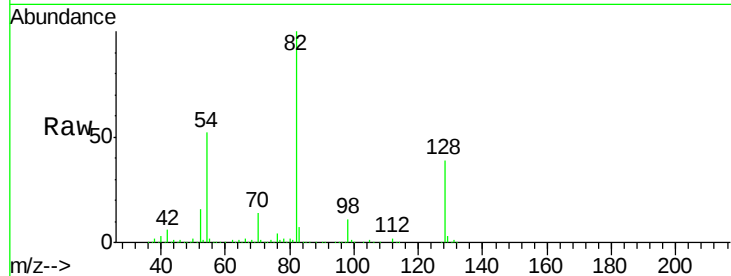
#23
Nitrobenzene-d5
Concen: 84.71 ng
RT: 7.57 min Scan# 458
Delta R.T. -0.00 min
Lab File: BF090363.D
Acq: 5 Oct 2016 1:01

Instrument :
BNA_F
ClientSampled :
PA-2

Tgt Ion	Ratio	Lower	Upper
82	100		
128	38.8	40.0	60.0#
54	51.9	42.6	64.0

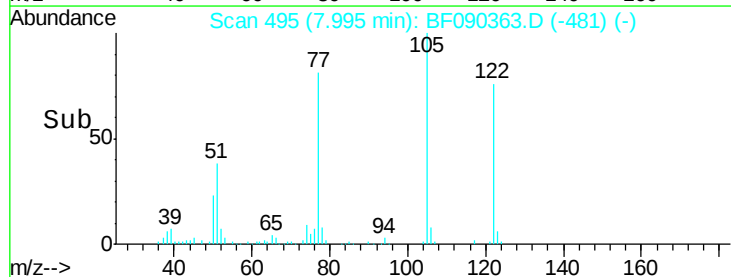
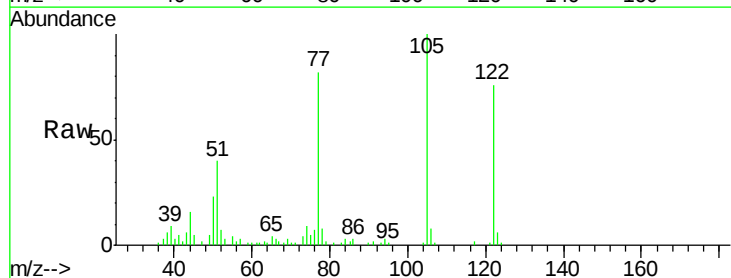
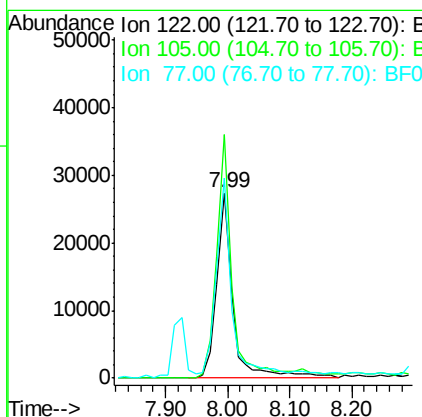
Manual Integrations
APPROVED

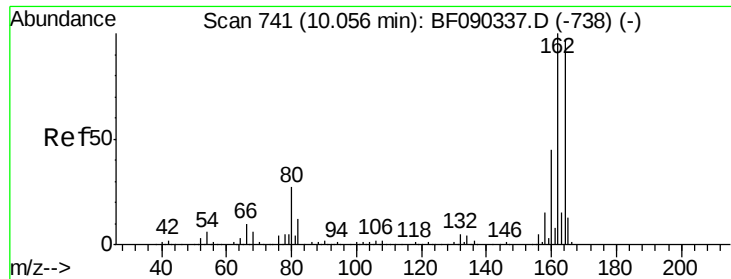
sohil
10/5/2016 7:27:15 PM



#32
Benzoic acid
Concen: 10.47 ng
RT: 7.99 min Scan# 495
Delta R.T. -0.04 min
Lab File: BF090363.D
Acq: 5 Oct 2016 1:01

Tgt Ion	Ratio	Lower	Upper
122	100		
105	131.6	103.9	143.9
77	107.9	74.6	114.6





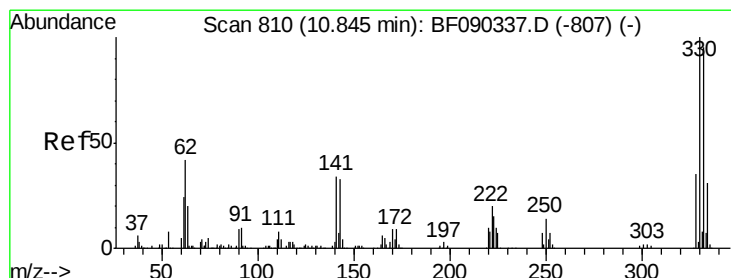
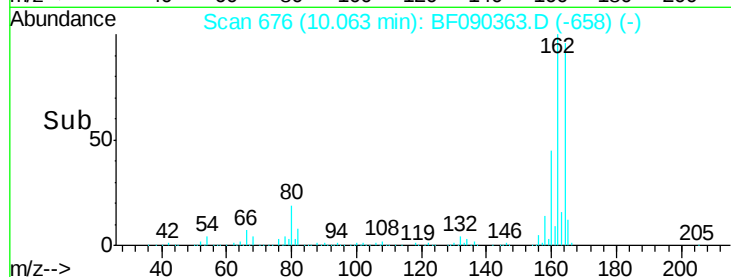
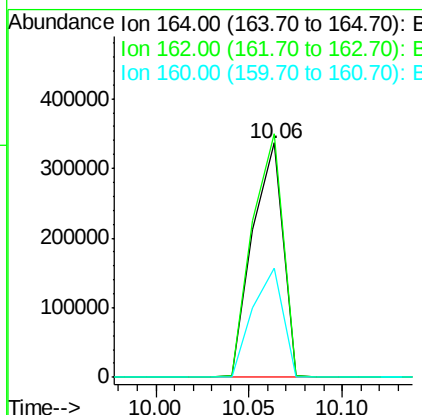
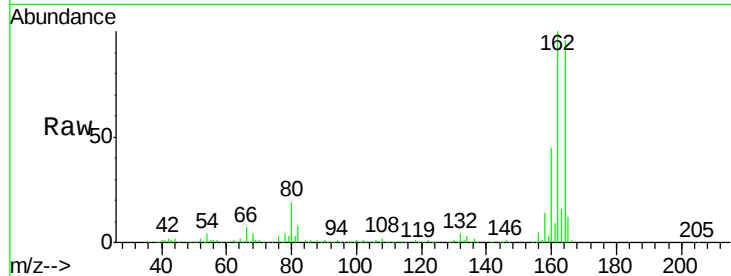
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.06 min Scan# 676
Delta R.T. 0.01 min
Lab File: BF090363.D
Acq: 5 Oct 2016 1:01

Instrument :
BNA_F
ClientSampled :
PA-2

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	378300		
162	104.0	80.1	120.1	
160	46.4	36.3	54.5	

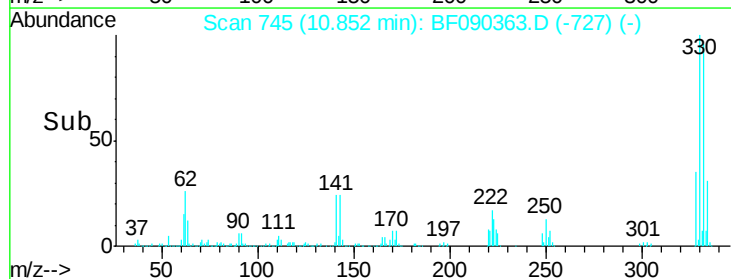
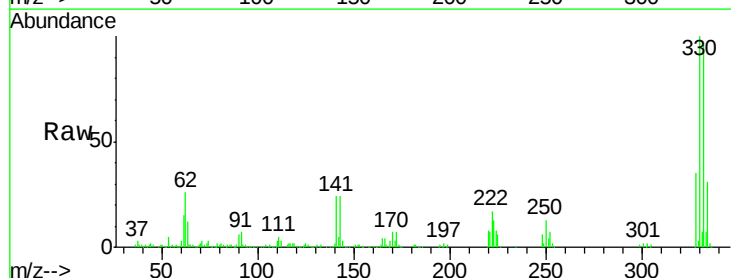
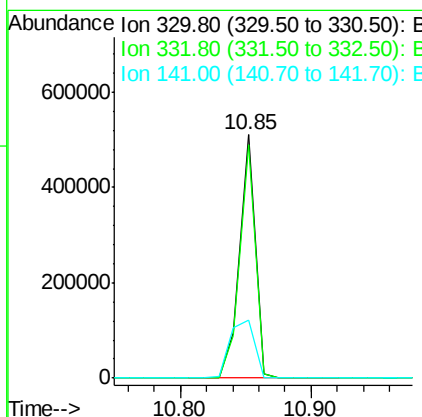
Manual Integrations
APPROVED

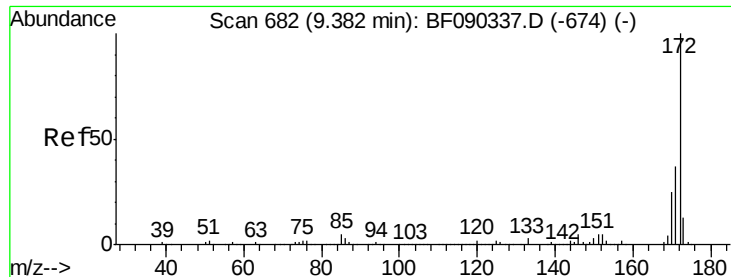
sohil
10/5/2016 7:27:15 PM



#41
2,4,6-Tribromophenol
Concen: 129.01 ng
RT: 10.85 min Scan# 745
Delta R.T. 0.01 min
Lab File: BF090363.D
Acq: 5 Oct 2016 1:01

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	423887		
332	95.8	75.4	113.0	
141	37.7	26.9	40.3	





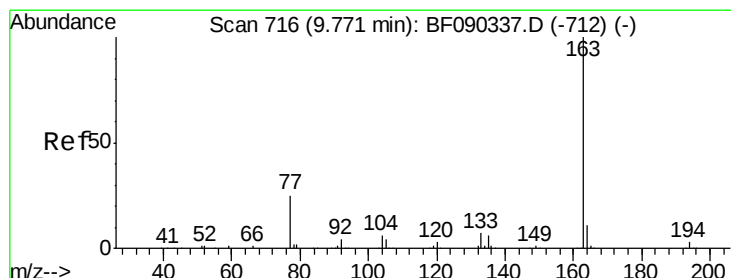
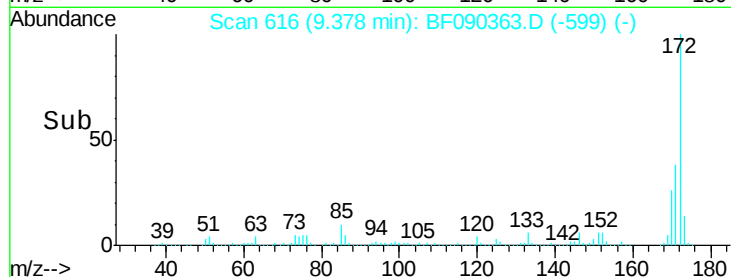
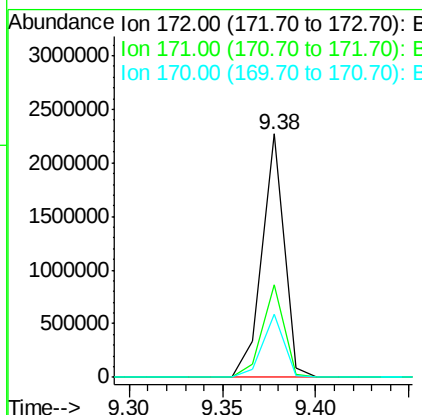
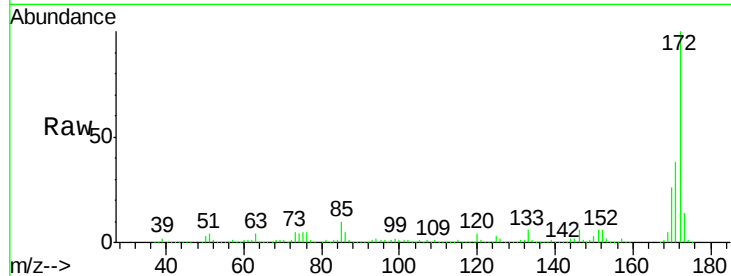
#44
2-Fluorobiphenyl
Concen: 79.50 ng
RT: 9.38 min Scan# 616
Delta R.T. -0.00 min
Lab File: BF090363.D
Acq: 5 Oct 2016 1:01

Instrument :
BNA_F
ClientSampleId :
PA-2

Tgt Ion:172 Resp: 1844620
Ion Ratio Lower Upper
172 100
171 38.0 31.8 47.8
170 25.8 21.7 32.5

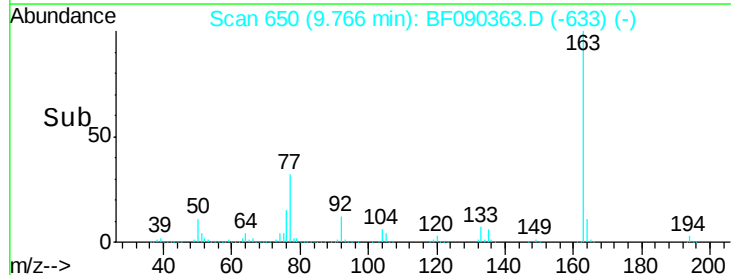
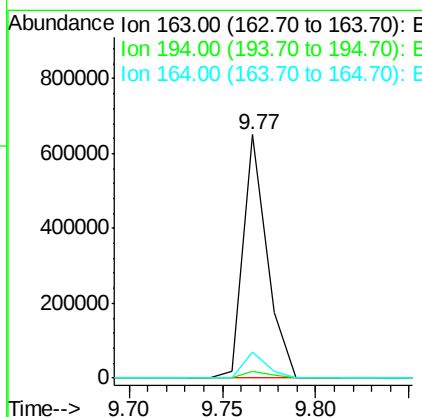
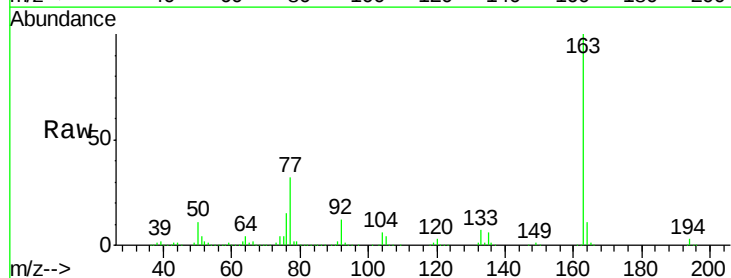
Manual Integrations
APPROVED

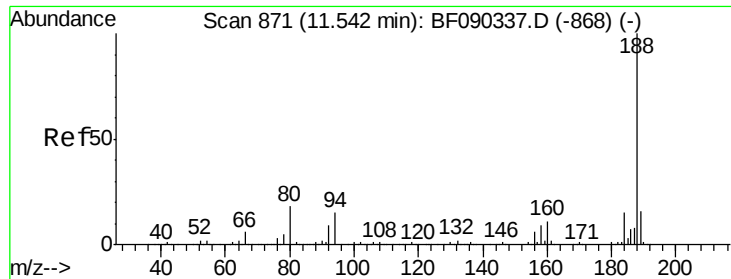
sohil
10/5/2016 7:27:15 PM



#49
Dimethylphthalate
Concen: 25.88 ng
RT: 9.77 min Scan# 650
Delta R.T. -0.00 min
Lab File: BF090363.D
Acq: 5 Oct 2016 1:01

Tgt Ion:163 Resp: 579581
Ion Ratio Lower Upper
163 100
194 3.0 2.8 4.2
164 10.8 9.0 13.4





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.55 min Scan# 806

Delta R.T. 0.01 min

Lab File: BF090363.D

Acq: 5 Oct 2016 1:01

Instrument :

BNA_F

ClientSampled :

PA-2

Tgt Ion:188 Resp: 662257
Ion Ratio Lower Upper

188 100

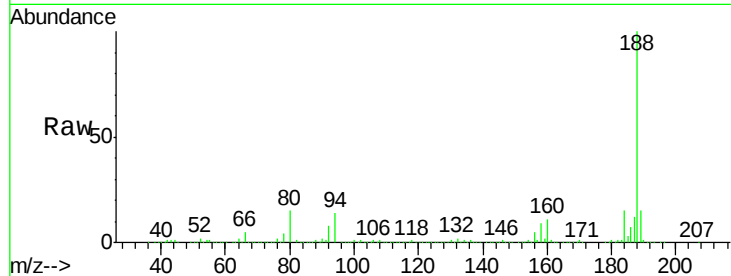
94 13.5 8.2 12.2#

80 15.3 8.8 13.2#

Manual Integrations
APPROVED

sohil

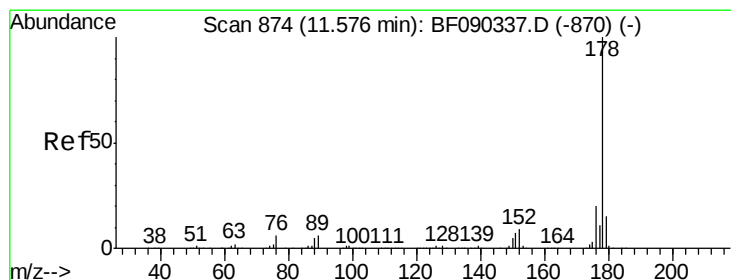
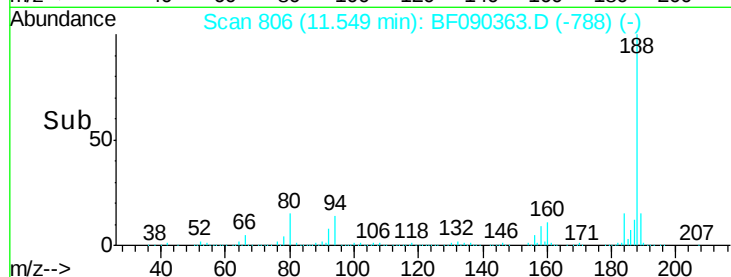
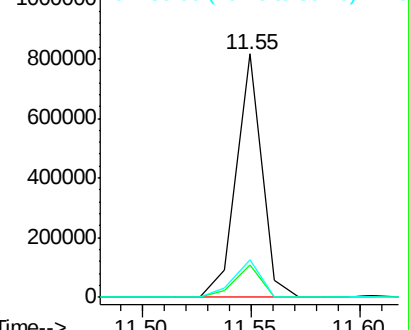
10/5/2016 7:27:15 PM



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: 7.59 ng

RT: 11.57 min Scan# 808

Delta R.T. -0.00 min

Lab File: BF090363.D

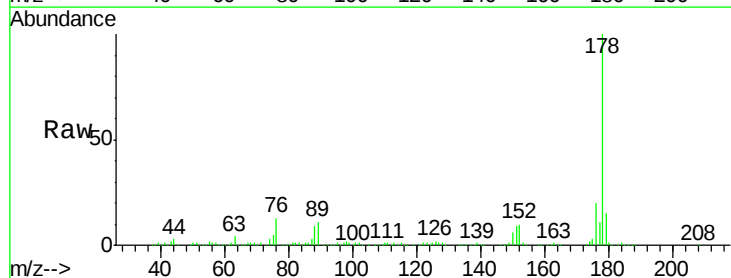
Acq: 5 Oct 2016 1:01

Tgt Ion:178 Resp: 269583
Ion Ratio Lower Upper

178 100

176 19.7 17.3 25.9

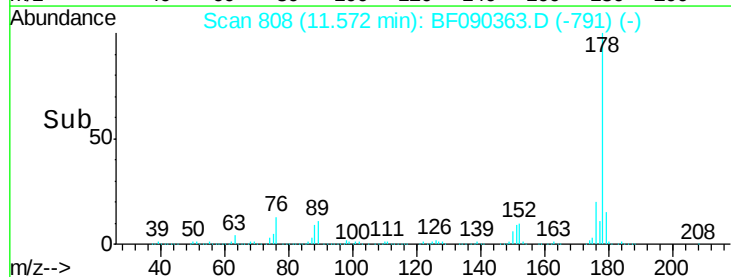
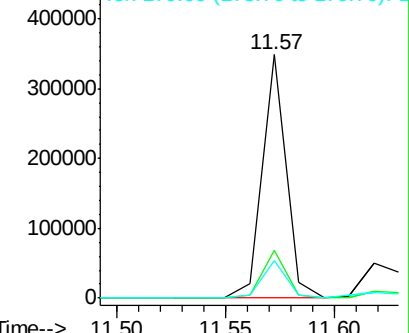
179 15.3 13.8 20.6

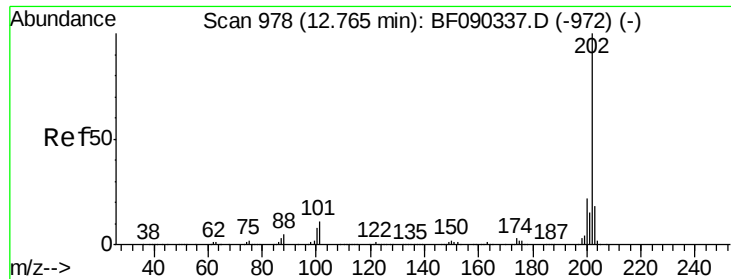


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 9.37 ng

RT: 12.76 min Scan# 912

Delta R.T. -0.00 min

Lab File: BF090363.D

Acq: 5 Oct 2016 1:01

Instrument :

BNA_F

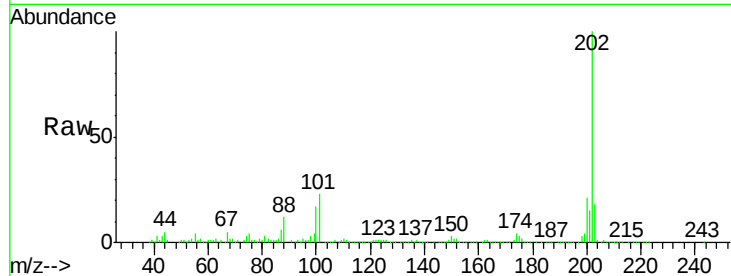
ClientSampleId :

PA-2

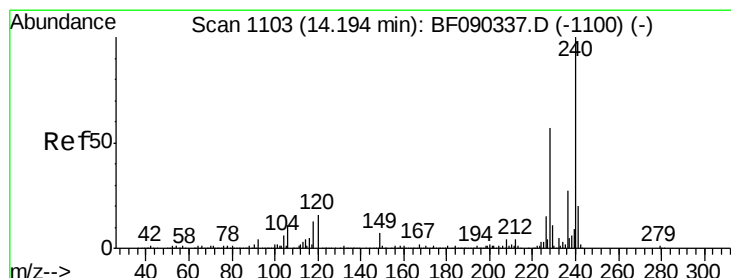
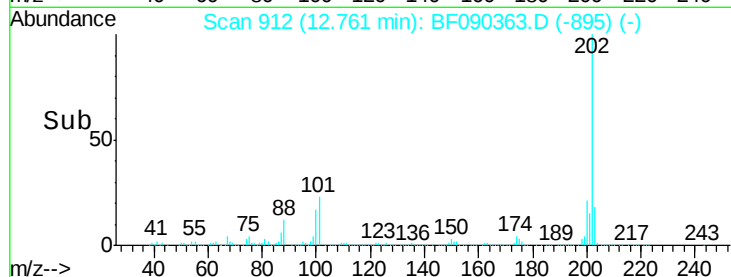
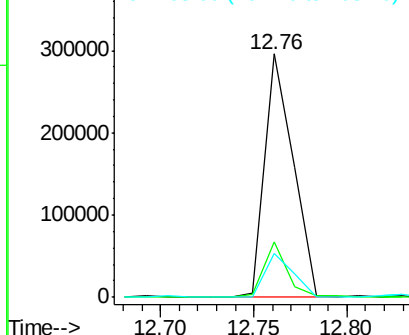
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		315616		
101	22.6	0.0	37.2		
203	17.9	0.0	39.3		

Manual Integrations
APPROVED

sohil
10/5/2016 7:27:15 PM



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

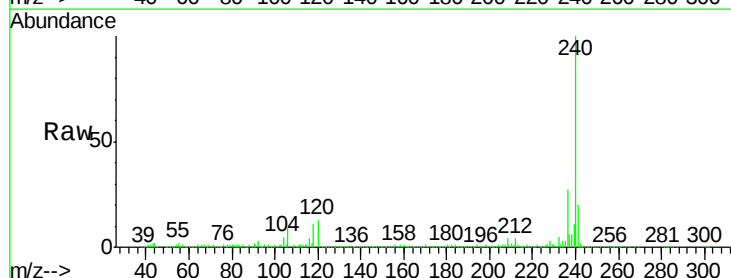
RT: 14.20 min Scan# 1038

Delta R.T. 0.01 min

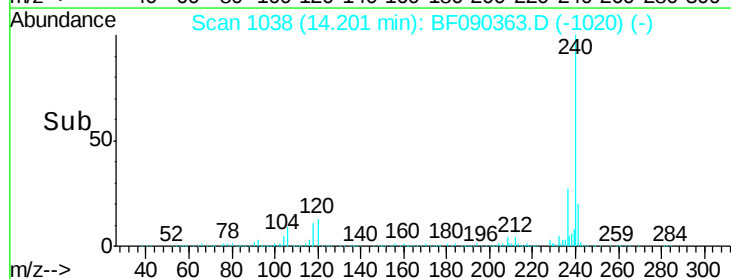
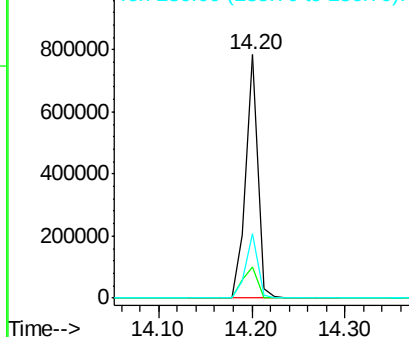
Lab File: BF090363.D

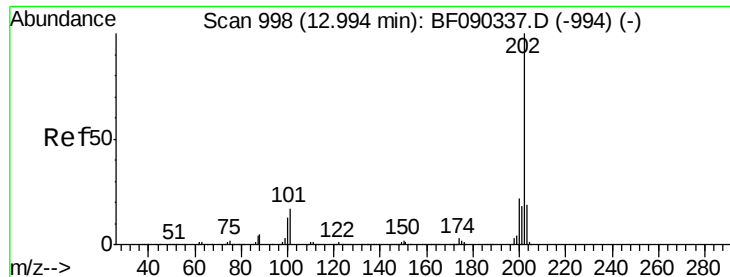
Acq: 5 Oct 2016 1:01

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		703316		
120	12.7	8.6	13.0		
236	26.6	21.6	32.4		



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: 6.64 ng

RT: 12.99 min Scan# 932

Delta R.T. -0.00 min

Lab File: BF090363.D

Acq: 5 Oct 2016 1:01

Instrument :

BNA_F

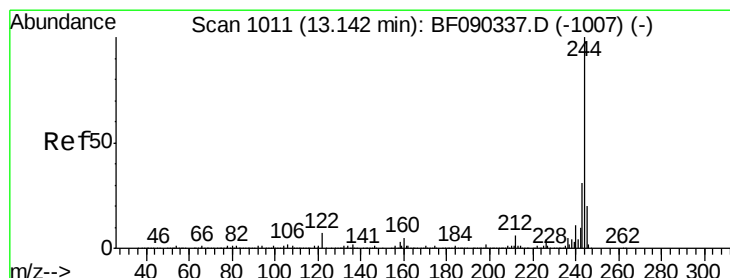
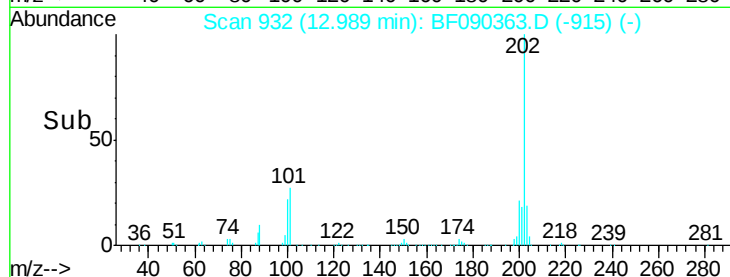
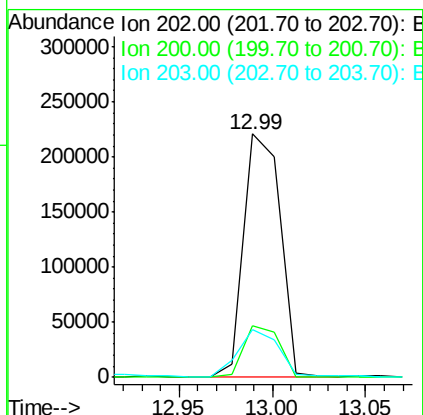
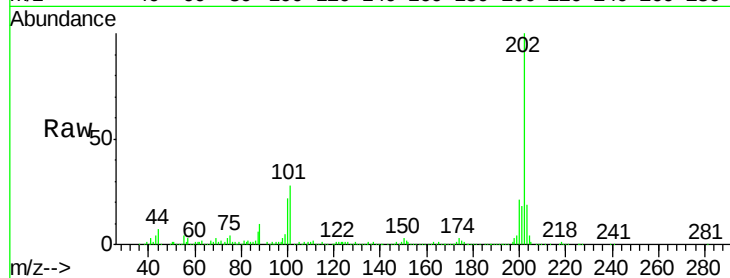
ClientSampleId :

PA-2

Tgt	Ion:202	Resp:	299008
Ion	Ratio	Lower	Upper
202	100		
200	21.4	18.5	27.7
203	19.5	15.0	22.6

Manual Integrations
APPROVED

sohil
10/5/2016 7:27:15 PM



#78

Terphenyl-d14

Concen: 63.26 ng

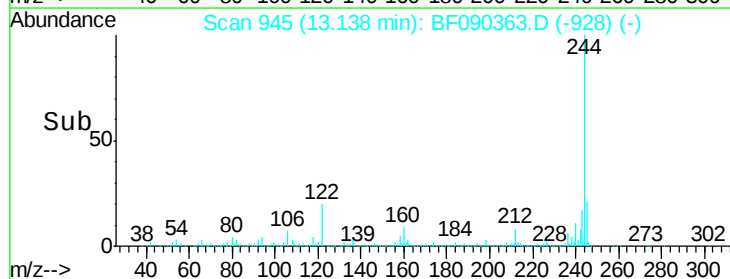
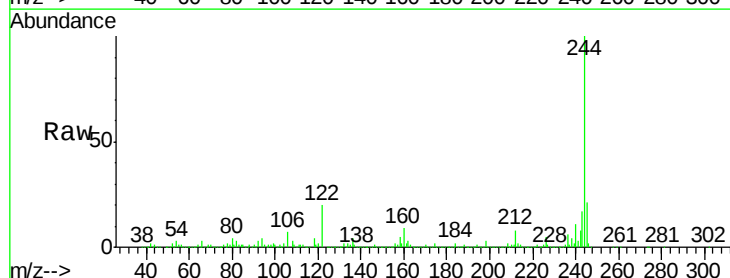
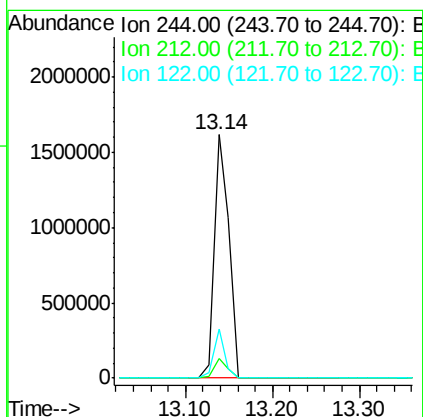
RT: 13.14 min Scan# 945

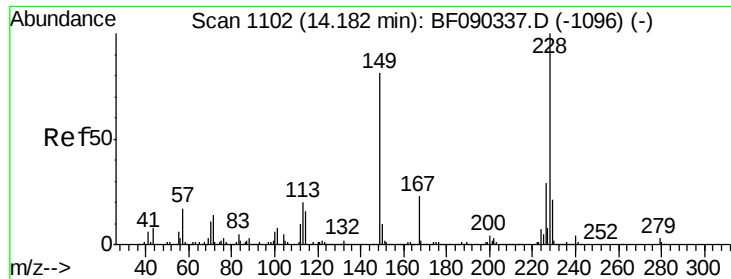
Delta R.T. -0.00 min

Lab File: BF090363.D

Acq: 5 Oct 2016 1:01

Tgt	Ion:244	Resp:	1910950
Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.8	10.2
122	20.1	13.3	19.9#





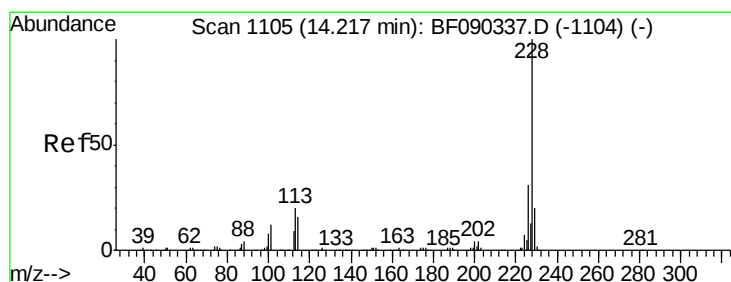
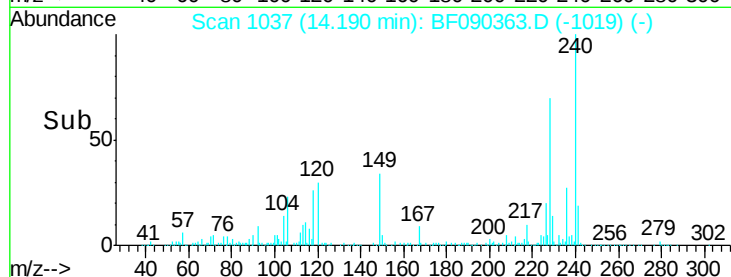
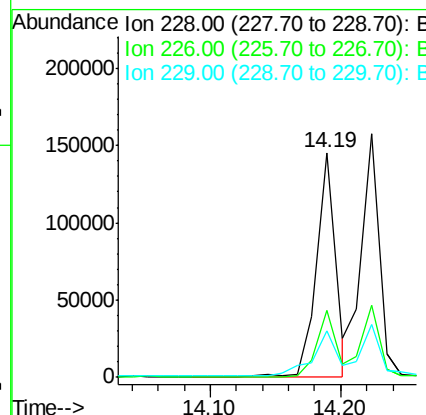
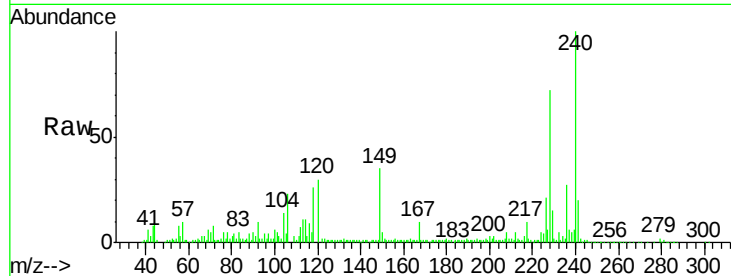
#80
Benzo(a)anthracene
Concen: 3.72 ng
RT: 14.19 min Scan# 1037
Delta R.T. 0.01 min
Lab File: BF090363.D
Acq: 5 Oct 2016 1:01

Instrument :
BNA_F
ClientSampleId :
PA-2

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.6	35.4
229	20.8	16.6	25.0

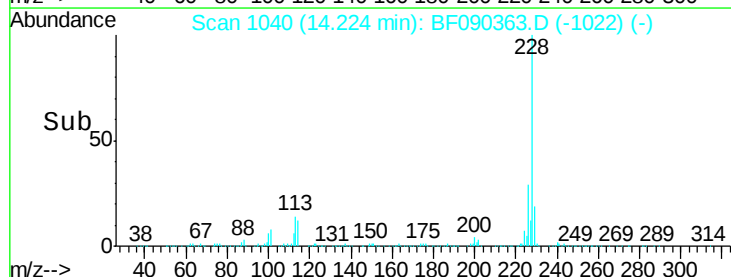
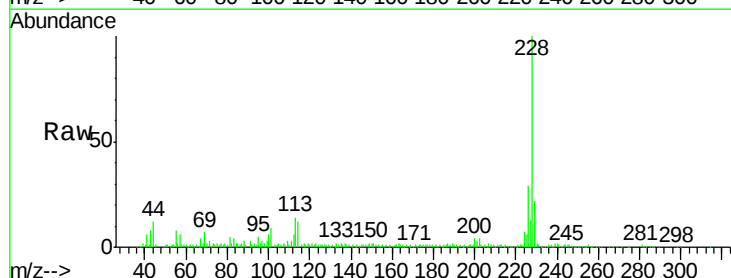
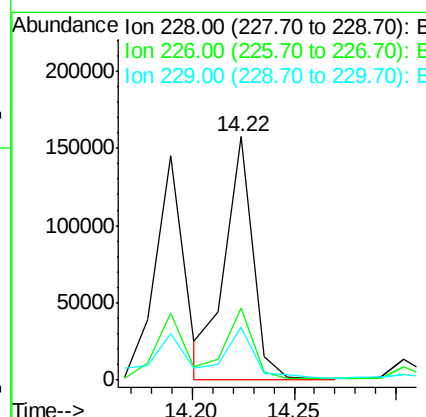
Manual Integrations
APPROVED

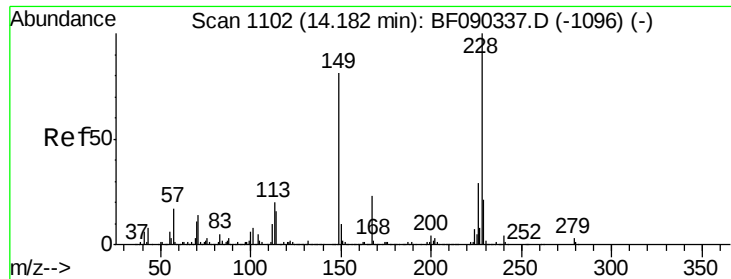
sohil
10/5/2016 7:27:15 PM



#82
Chrysene
Concen: 4.12 ng m
RT: 14.22 min Scan# 1040
Delta R.T. 0.01 min
Lab File: BF090363.D
Acq: 5 Oct 2016 1:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	25.8	38.6
229	21.9	16.9	25.3





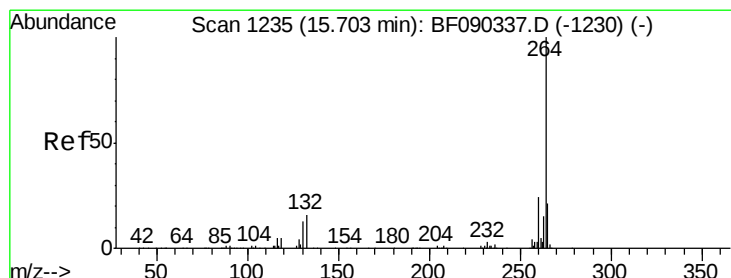
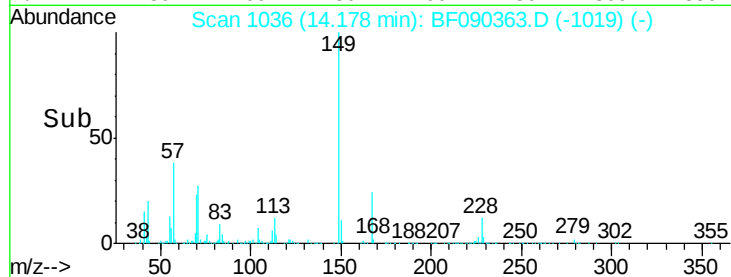
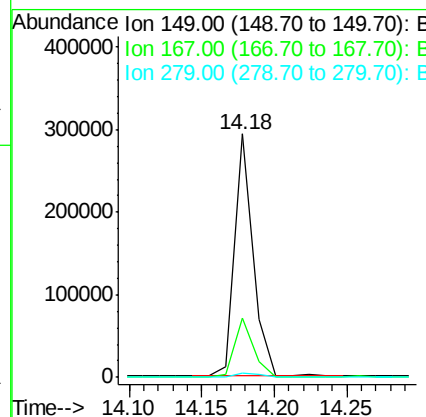
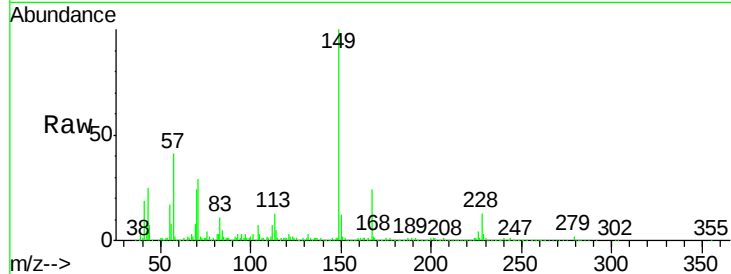
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 9.11 ng
 RT: 14.18 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: BF090363.D
 Acq: 5 Oct 2016 1:01

Instrument :
 BNA_F
 ClientSampled :
 PA-2

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	24.1	21.5	32.3
279	1.8	2.6	3.8

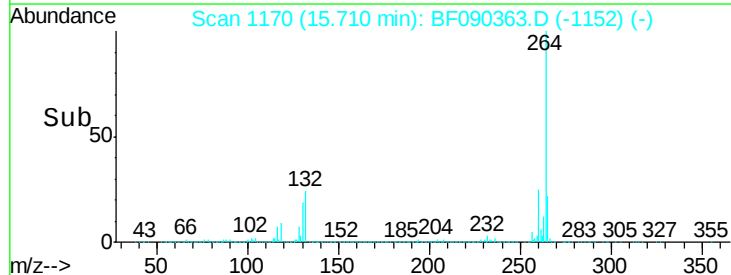
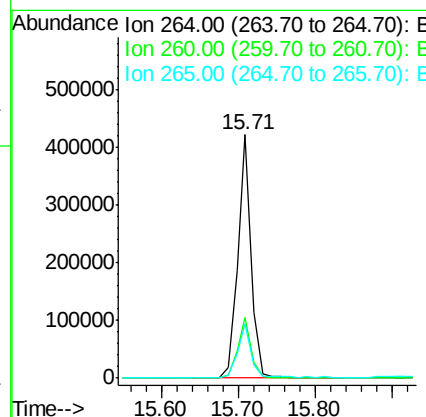
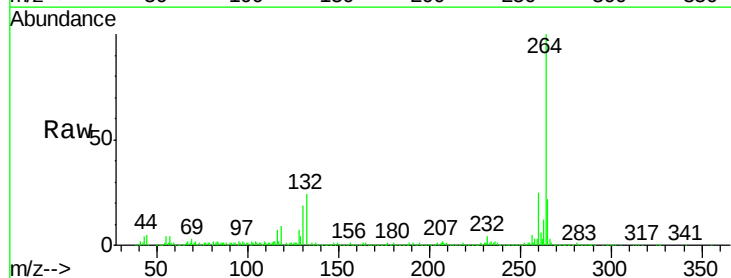
Manual Integrations
 APPROVED

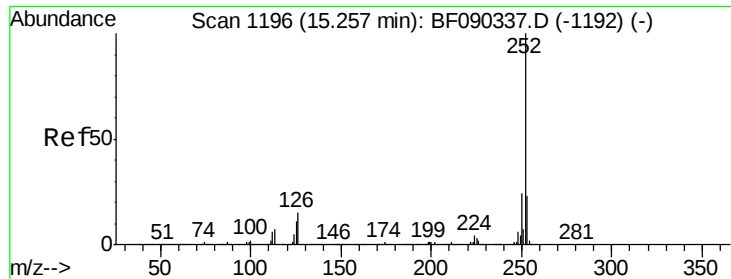
sohil
 10/5/2016 7:27:15 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.71 min Scan# 1170
 Delta R.T. 0.01 min
 Lab File: BF090363.D
 Acq: 5 Oct 2016 1:01

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	25.0	19.3	28.9
265	22.2	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 5.43 ng m

RT: 15.26 min Scan# 1131

Delta R.T. 0.01 min

Lab File: BF090363.D

Acq: 5 Oct 2016 1:01

Instrument :

BNA_F

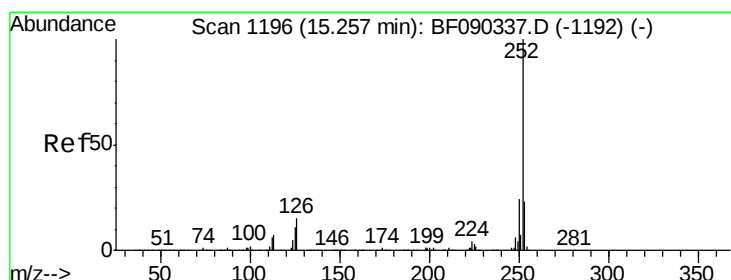
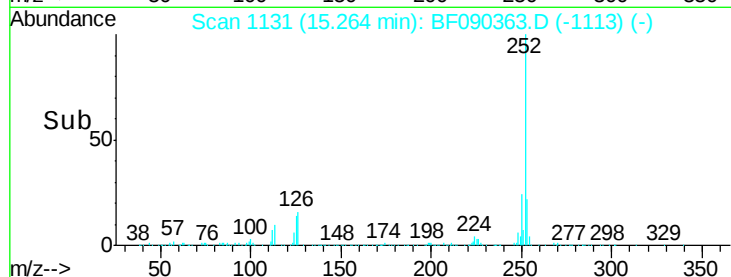
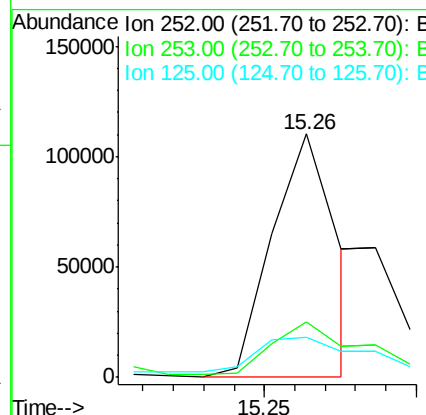
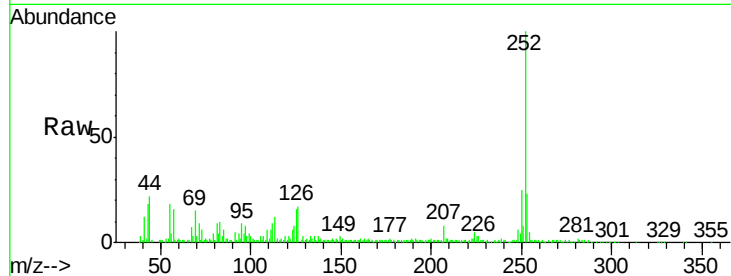
ClientSampled :

PA-2

Tgt Ion:	252	Resp:	162997
Ion Ratio	Lower	Upper	
252	100		
253	22.5	18.2	27.2
125	16.5	7.0	10.4#

Manual Integrations
APPROVED

sohil
10/5/2016 7:27:15 PM



#88

Benzo(k)fluoranthene

Concen: 2.01 ng m

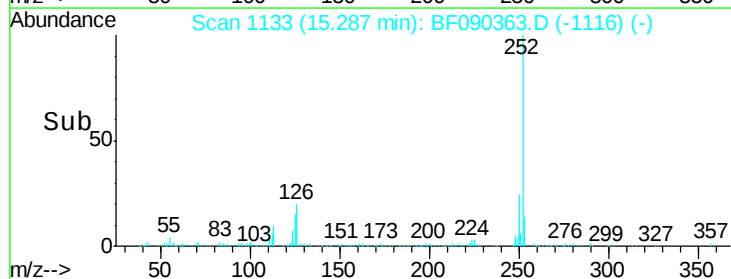
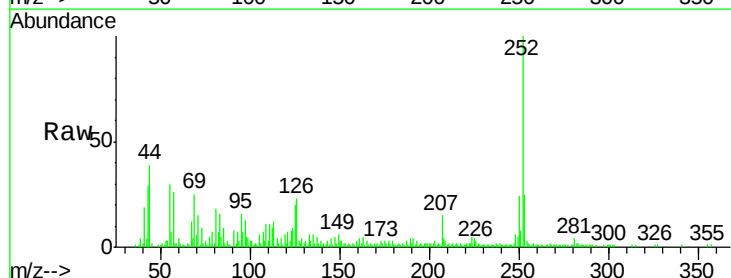
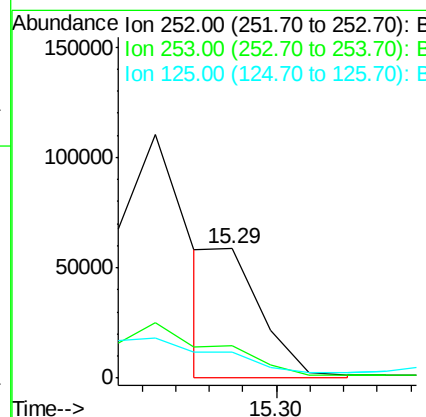
RT: 15.29 min Scan# 1133

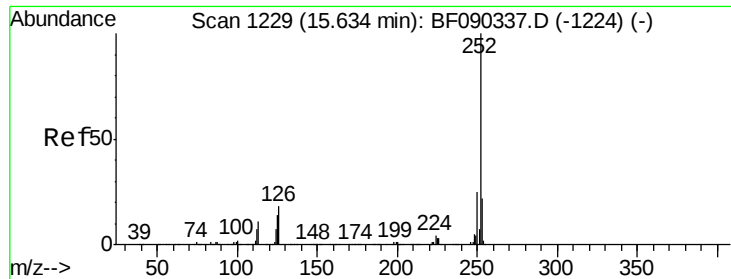
Delta R.T. -0.00 min

Lab File: BF090363.D

Acq: 5 Oct 2016 1:01

Tgt Ion:	252	Resp:	57670
Ion Ratio	Lower	Upper	
252	100		
253	24.7	18.6	27.8
125	20.2	11.7	17.5#





#89
 Benzo(a)pyrene
 Concen: 3.62 ng
 RT: 15.64 min Scan# 1164
 Delta R.T. 0.01 min
 Lab File: BF090363.D
 Acq: 5 Oct 2016 1:01

Instrument :
 BNA_F
 ClientSampleId :
 PA-2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.4
125	17.3	9.8	14.8

Manual Integrations
 APPROVED

sohil
 10/5/2016 7:27:15 PM

