

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080116\
 Data File : BF089531.D
 Acq On : 2 Aug 2016 1:26
 Operator : UM/SJ
 Sample : H4287-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-58-0.5-1.5

Manual Integrations
 APPROVED

sohil
 8/2/2016 5:06:24 PM

Quant Time: Aug 02 03:49:37 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 02 02:21:57 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.48	152	31476	20.00	ng	0.00
21) Naphthalene-d8	7.77	136	114511	20.00	ng	0.00
38) Acenaphthene-d10	9.51	164	50596	20.00	ng	-0.01
63) Phenanthrene-d10	10.98	188	88453	20.00	ng	0.00
75) Chrysene-d12	13.60	240	89268	20.00	ng	-0.01
86) Perylene-d12	14.93	264	80676	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.04	112	130385	66.14	ng	0.00
7) Phenol-d6	6.14	99	167503	64.30	ng	-0.01
23) Nitrobenzene-d5	7.05	82	99550	51.31	ng	-0.01
41) 2,4,6-Tribromophenol	10.30	330	26571	63.41	ng	-0.01
44) 2-Fluorobiphenyl	8.84	172	152242	44.16	ng	-0.01
78) Terphenyl-d14	12.56	244	228811	59.99	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.24	163	30939	8.03	ng	99
70) Phenanthrene	11.01	178	27774	6.09	ng	99
74) Fluoranthene	12.18	202	77368	16.12	ng	100
77) Pyrene	12.40	202	76216	11.27	ng	98
80) Benzo(a)anthracene	13.59	228	44991	8.93	ng	97
82) Chrysene	13.62	228	34000	6.34	ng	99
85) Indeno(1,2,3-cd)pyrene	16.09	276	20147	5.28	ng	95
87) Benzo(b)fluoranthene	14.58	252	43835m	8.75	ng	
88) Benzo(k)fluoranthene	14.59	252	23304m	5.06	ng	
89) Benzo(a)pyrene	14.88	252	34175	7.60	ng	97
90) Dibenzo(a,h)anthracene	16.09	278	7992	2.26	ng	# 77
91) Benzo(a,h,i)perylene	16.43	276	19090	5.49	ng	94

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

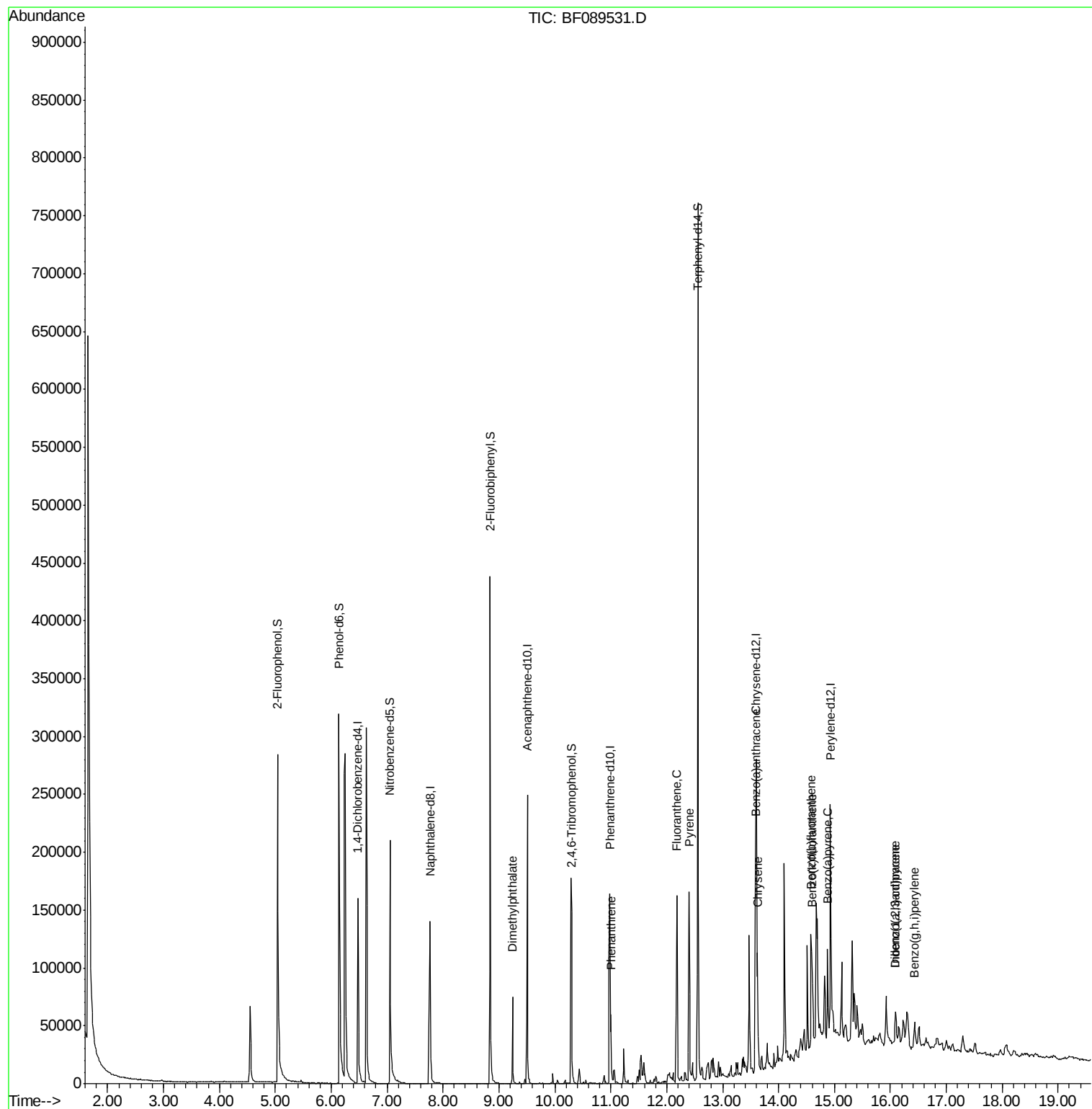
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080116\
Data File : BF089531.D
Acq On : 2 Aug 2016 1:26
Operator : UM/SJ
Sample : H4287-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-58-0.5-1.5

Manual Integrations
APPROVED

sohil
8/2/2016 5:06:24 PM

Quant Time: Aug 02 03:49:37 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 02 02:21:57 2016
Response via : Initial Calibration





#1

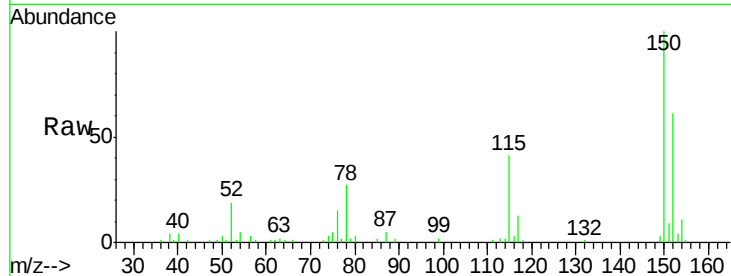
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.48 min Scan# 428
Delta R.T. 0.00 min
Lab File: BF089531.D
Acq: 2 Aug 2016 1:26

Instrument :
BNA_F
ClientSampleId :
SB-58-0.5-1.5

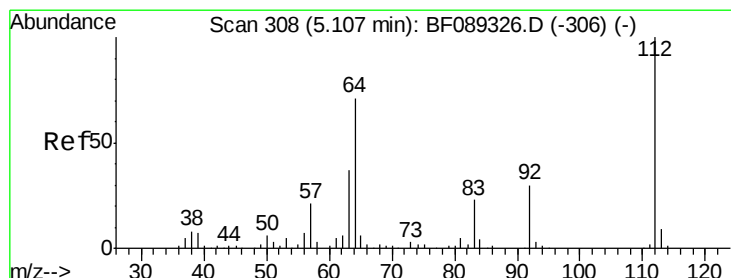
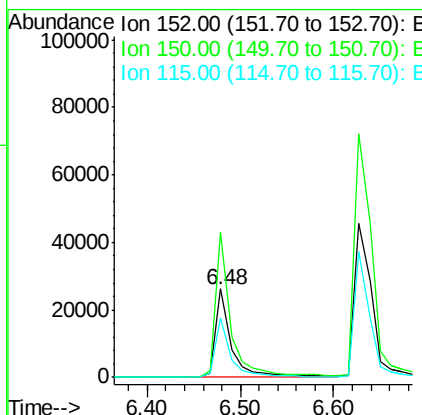
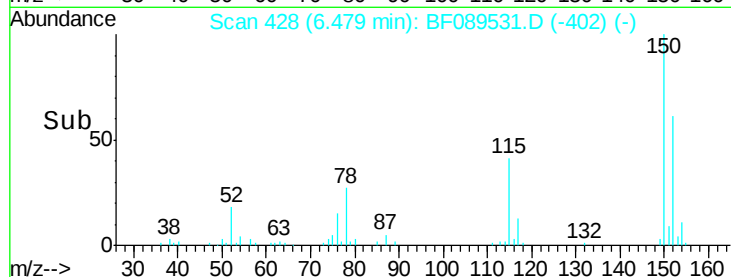
Tot Ion	Ratio	Lower	Upper
152	100		
150	163.8	129.5	194.3
115	66.8	51.4	77.2

Manual Integrations
APPROVED

sohil
8/2/2016 5:06:24 PM



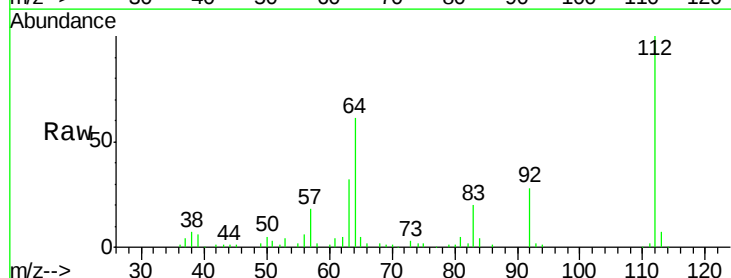
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



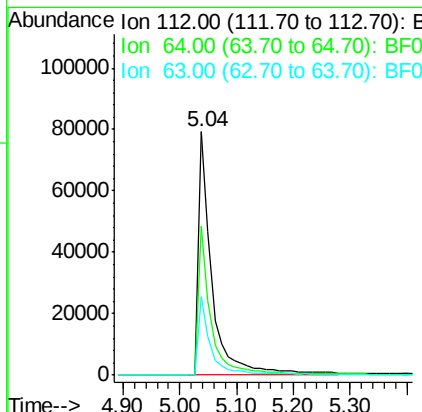
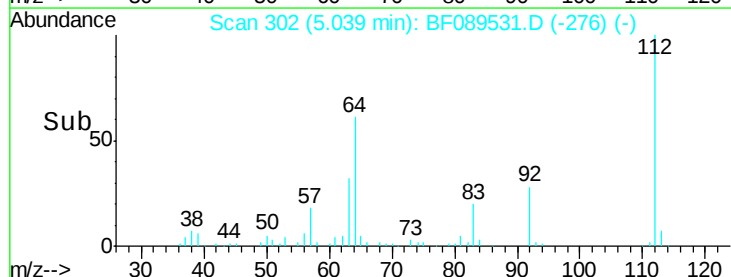
#5

2-Fluorophenol
Concen: 66.14 ng
RT: 5.04 min Scan# 302
Delta R.T. 0.00 min
Lab File: BF089531.D
Acq: 2 Aug 2016 1:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.1	55.0	82.6
63	32.2	29.4	44.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 64.30 ng

RT: 6.14 min Scan# 398

Delta R.T. -0.01 min

Lab File: BF089531.D

Acq: 2 Aug 2016 1:26

Instrument :

BNA_F

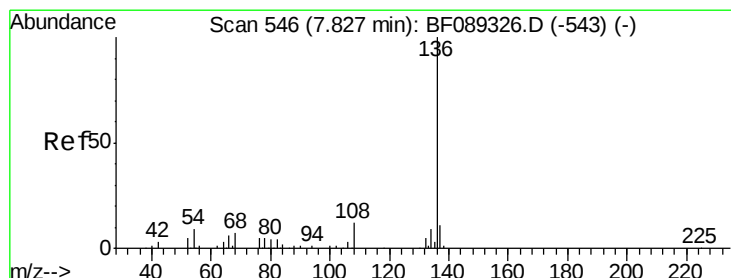
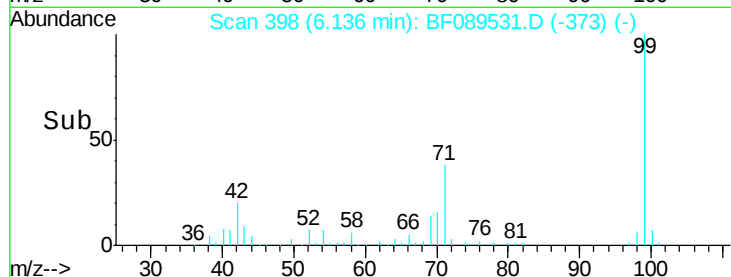
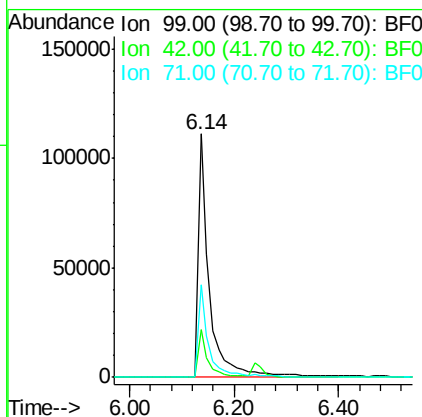
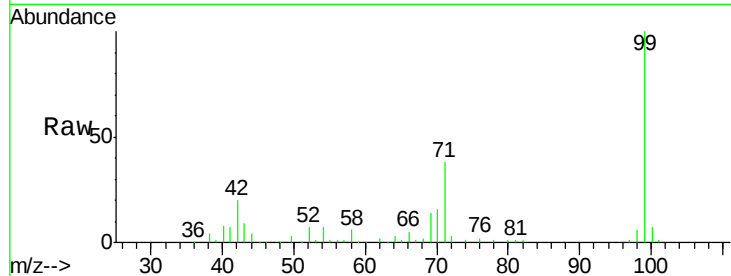
ClientSampleId :

SB-58-0.5-1.5

Tot Ion:	99	Resp:	167503
Ion Ratio	Lower	Upper	
99	100		
42	19.8	13.6	20.4
71	38.2	29.4	44.2

Manual Integrations
APPROVED

sohil
8/2/2016 5:06:24 PM



#21

Naphthalene-d8

Concen: 20.00 ng

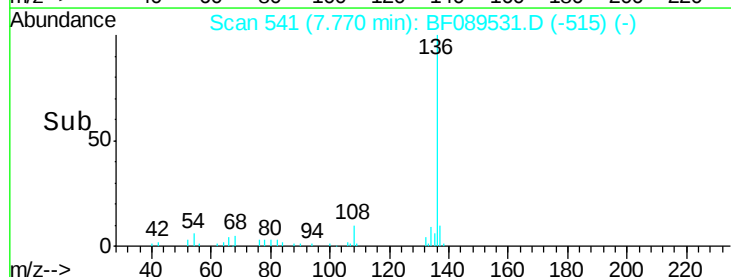
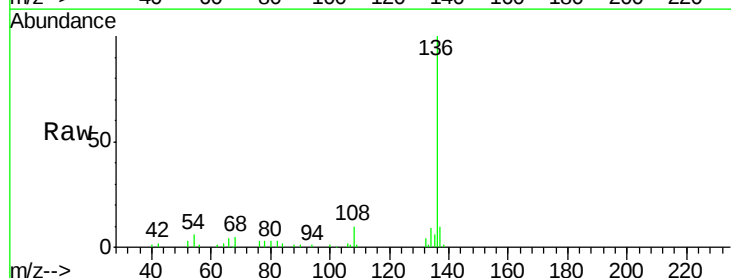
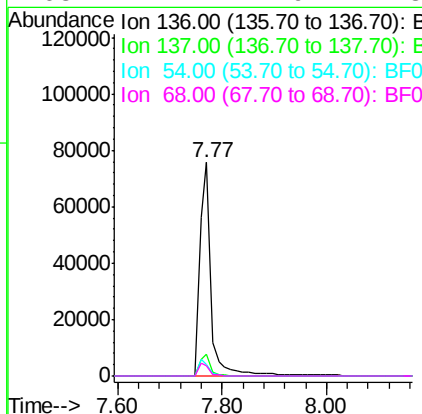
RT: 7.77 min Scan# 541

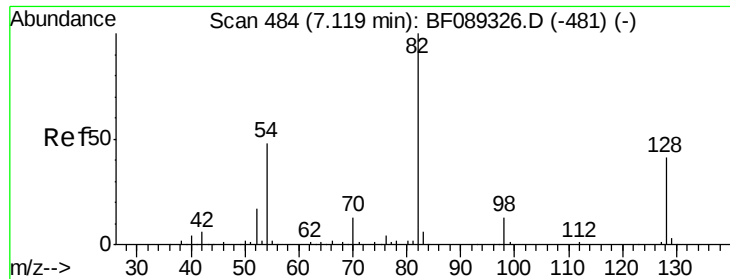
Delta R.T. 0.00 min

Lab File: BF089531.D

Acq: 2 Aug 2016 1:26

Tgt Ion:	136	Resp:	114511
Ion Ratio	Lower	Upper	
136	100		
137	10.3	8.6	13.0
54	5.6	7.0	10.4#
68	4.7	4.9	7.3#





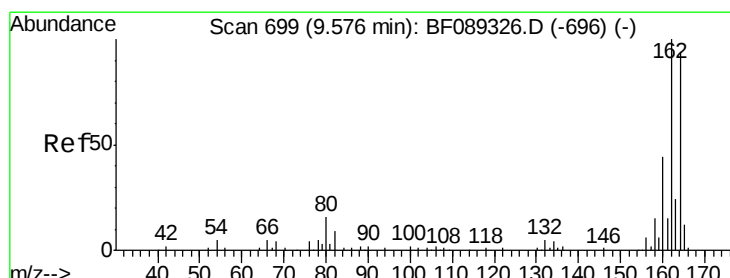
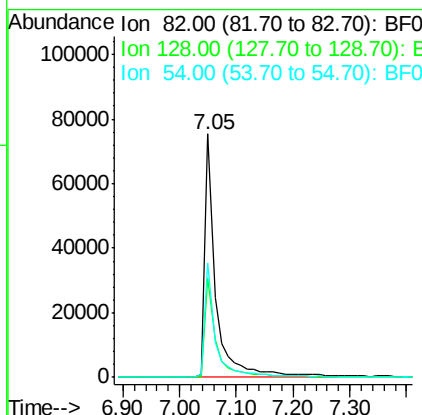
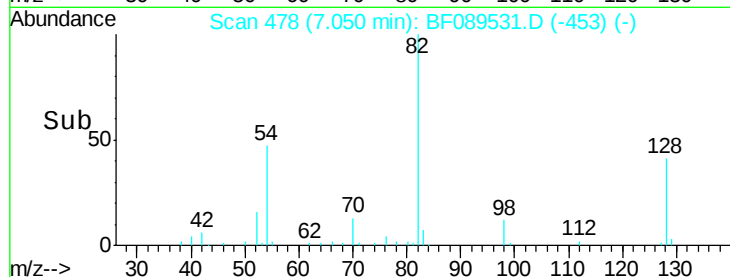
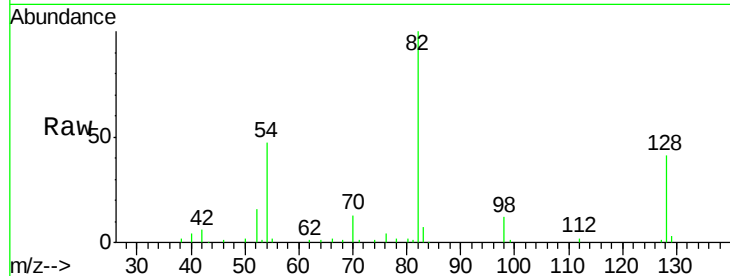
#23
Nitrobenzene-d5
Concen: 51.31 ng
RT: 7.05 min Scan# 478
Delta R.T. -0.01 min
Lab File: BF089531.D
Acq: 2 Aug 2016 1:26

Instrument :
BNA_F
ClientSampleId :
SB-58-0.5-1.5

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.6	32.5	48.7
54	47.1	38.8	58.2

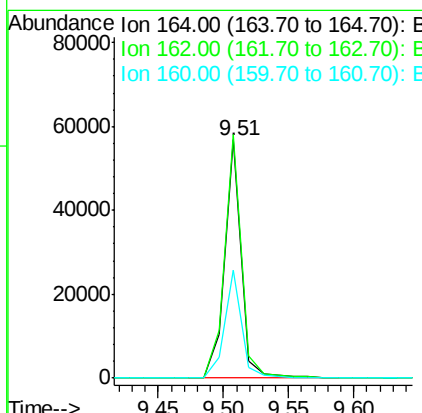
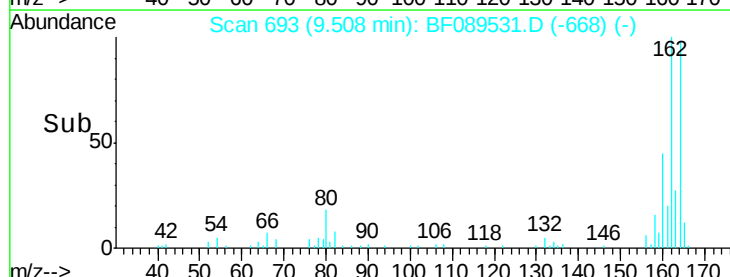
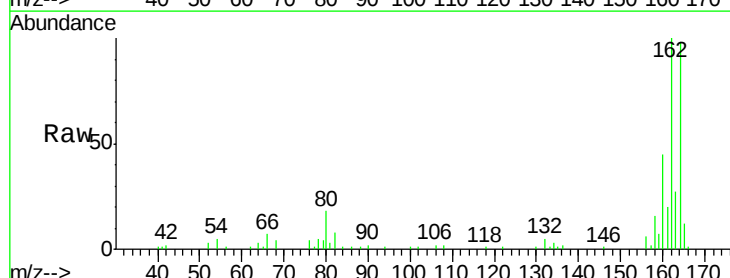
Manual Integrations
APPROVED

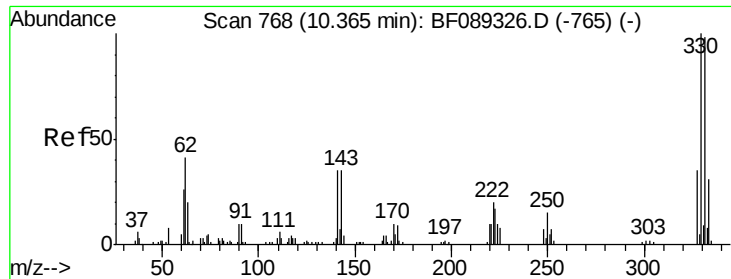
sohil
8/2/2016 5:06:24 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.51 min Scan# 693
Delta R.T. -0.01 min
Lab File: BF089531.D
Acq: 2 Aug 2016 1:26

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.3	83.7	125.5
160	45.6	37.8	56.6





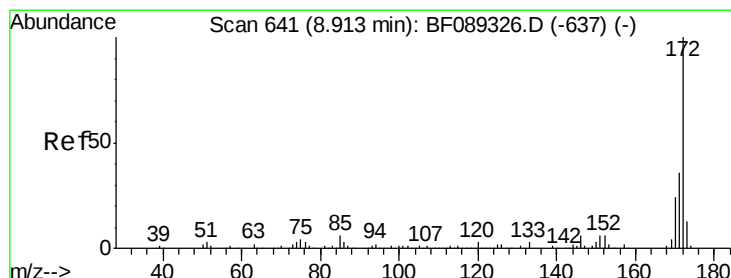
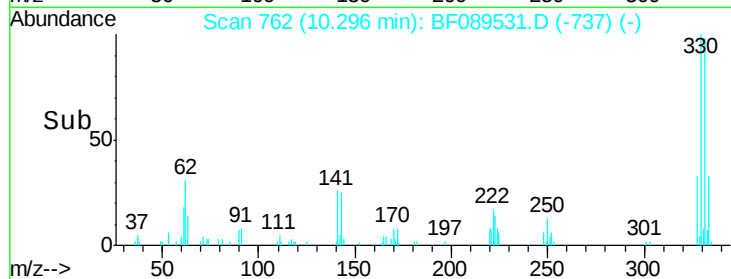
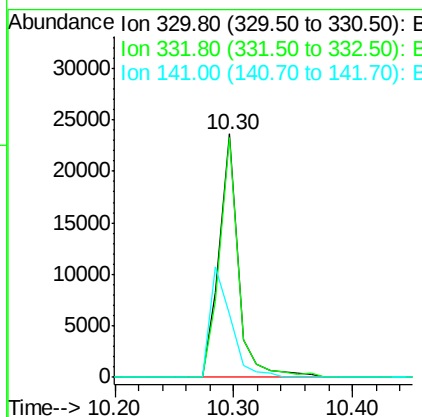
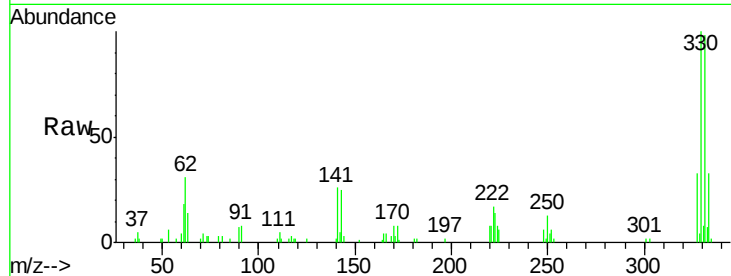
#41
 2,4,6-Tribromophenol
 Concen: 63.41 ng
 RT: 10.30 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: BF089531.D
 Acq: 2 Aug 2016 1:26

Instrument :
 BNA_F
 ClientSampleId :
 SB-58-0.5-1.5

Tot Ion	Ratio	Resp	Lower	Upper
330	100	26571		
332	96.4		76.8	115.2
141	49.1		37.3	55.9

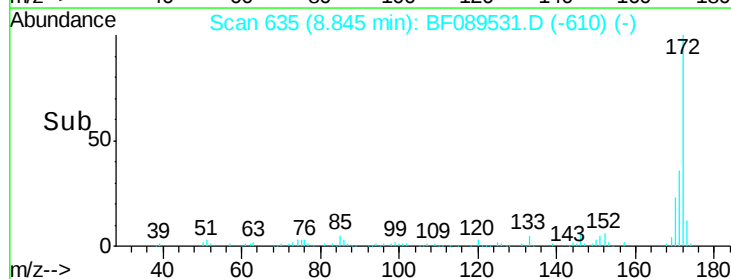
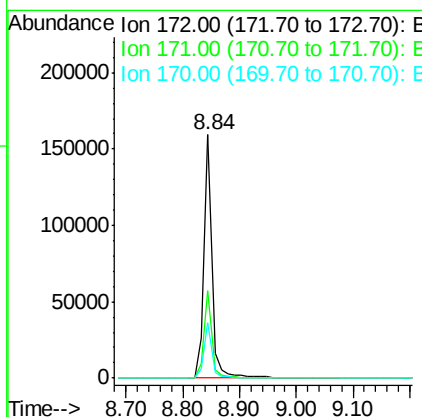
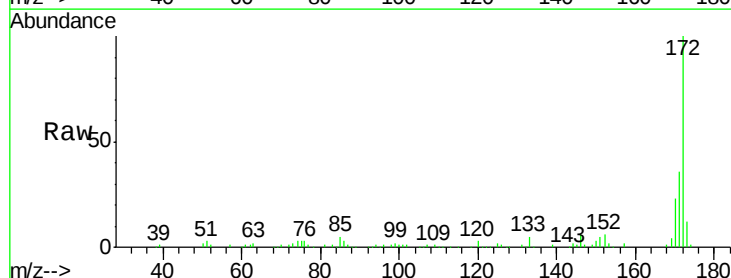
Manual Integrations
 APPROVED

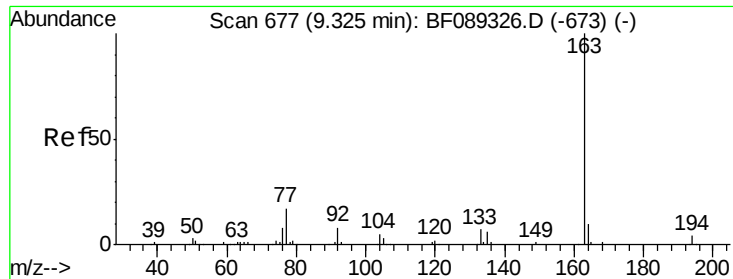
sohil
 8/2/2016 5:06:24 PM



#44
 2-Fluorobiphenyl
 Concen: 44.16 ng
 RT: 8.84 min Scan# 635
 Delta R.T. -0.01 min
 Lab File: BF089531.D
 Acq: 2 Aug 2016 1:26

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	152242		
171	35.7		29.2	43.8
170	22.8		19.2	28.8





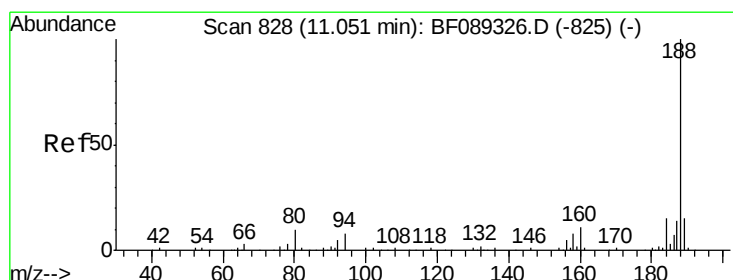
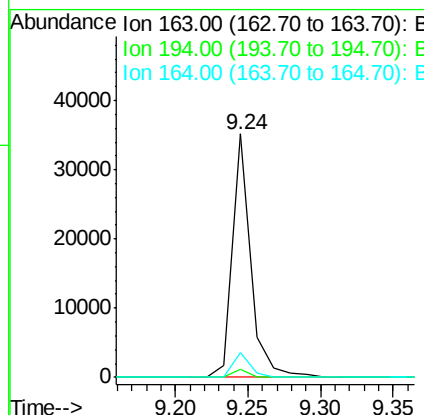
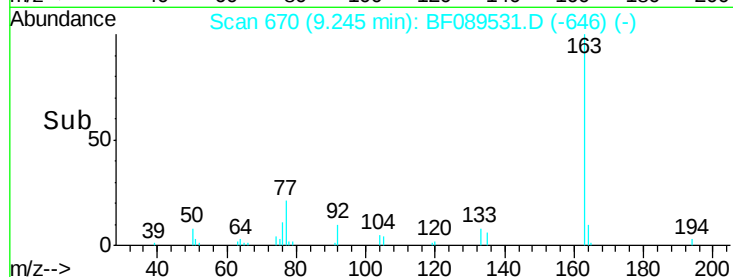
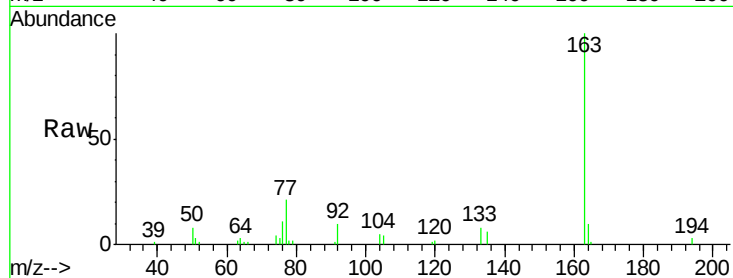
#49
Dimethylphthalate
Concen: 8.03 ng
RT: 9.24 min Scan# 670
Delta R.T. -0.02 min
Lab File: BF089531.D
Acq: 2 Aug 2016 1:26

Instrument :
BNA_F
ClientSampleId :
SB-58-0.5-1.5

Tot Ion	Ratio	Resp	Lower	Upper
163	100	30939		
194	3.3		2.8	4.2
164	10.3		7.8	11.8

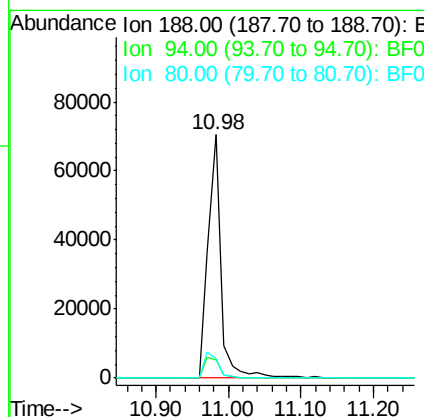
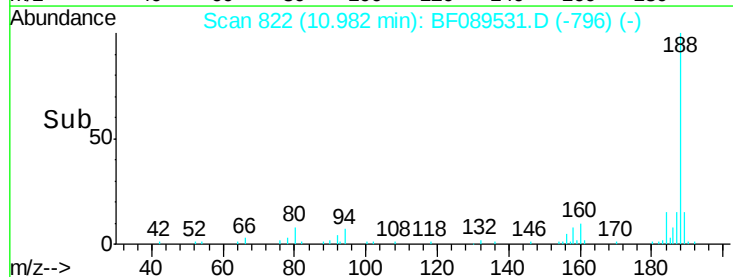
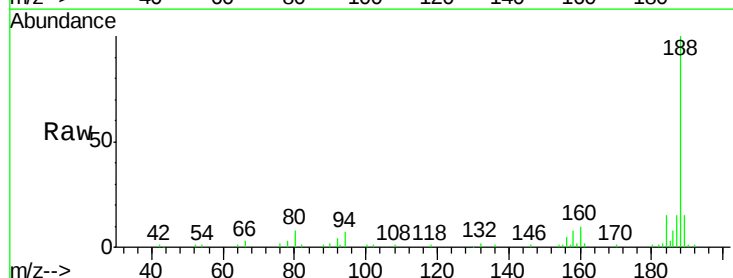
Manual Integrations
APPROVED

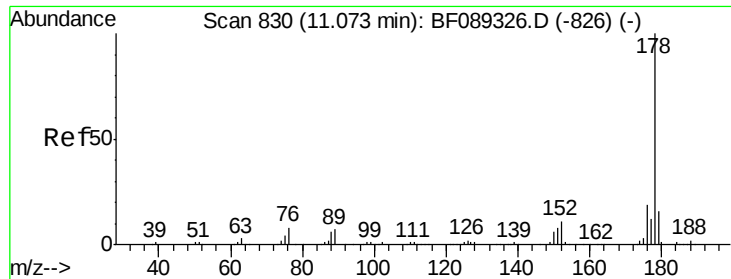
sohil
8/2/2016 5:06:24 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.98 min Scan# 822
Delta R.T. 0.00 min
Lab File: BF089531.D
Acq: 2 Aug 2016 1:26

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	88453		
94	7.3		6.5	9.7
80	8.0		7.2	10.8





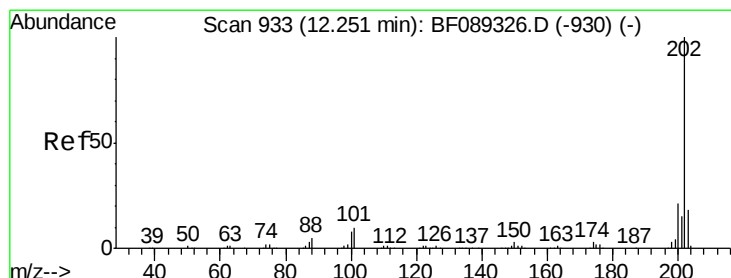
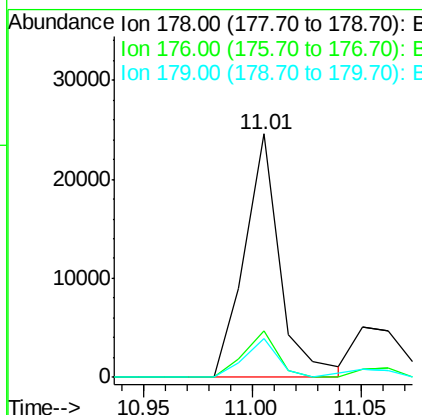
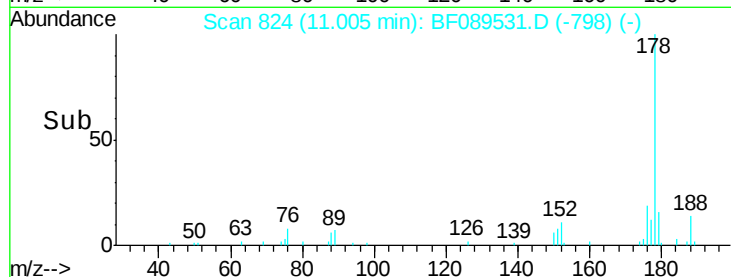
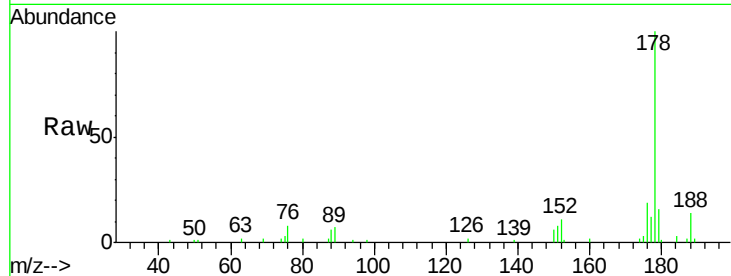
#70
Phenanthrene
Concen: 6.09 ng
RT: 11.01 min Scan# 824
Delta R.T. 0.00 min
Lab File: BF089531.D
Acq: 2 Aug 2016 1:26

Instrument :
BNA_F
ClientSampleId :
SB-58-0.5-1.5

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.5	23.3
179	15.9	12.3	18.5

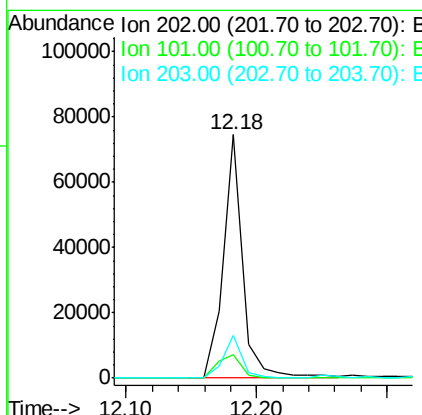
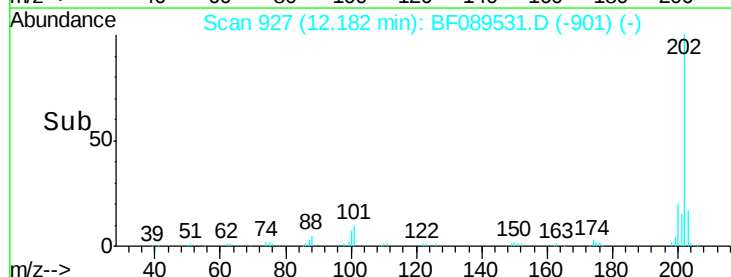
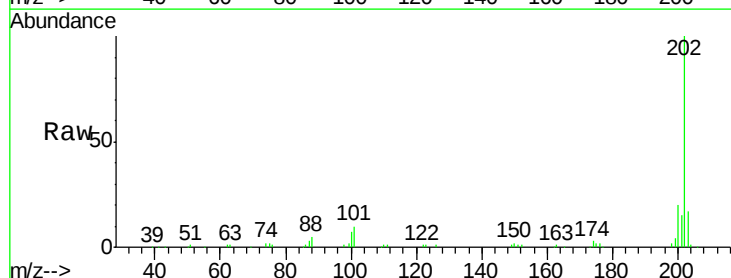
Manual Integrations
APPROVED

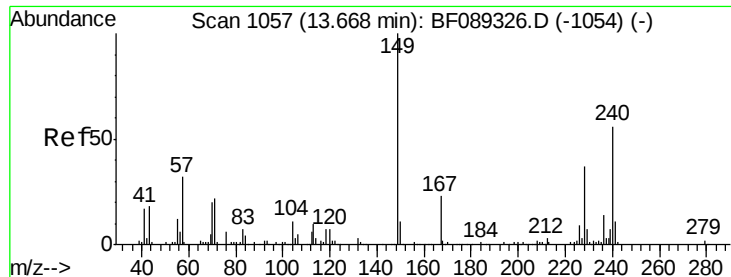
sohil
8/2/2016 5:06:24 PM



#74
Fluoranthene
Concen: 16.12 ng
RT: 12.18 min Scan# 927
Delta R.T. 0.00 min
Lab File: BF089531.D
Acq: 2 Aug 2016 1:26

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	29.9
203	17.4	0.0	37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.60 min Scan# 1051

Delta R.T. -0.01 min

Lab File: BF089531.D

Acq: 2 Aug 2016 1:26

Instrument :

BNA_F

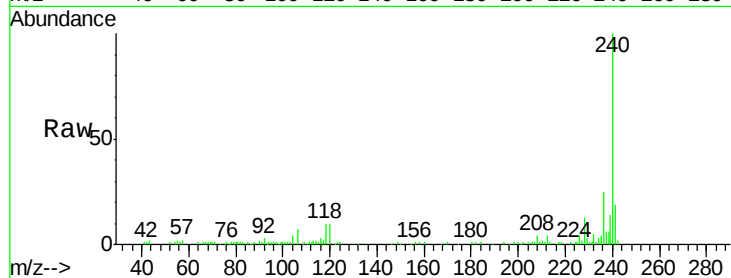
ClientSampleId :

SB-58-0.5-1.5

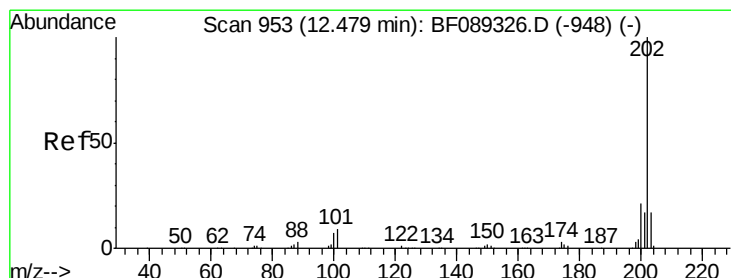
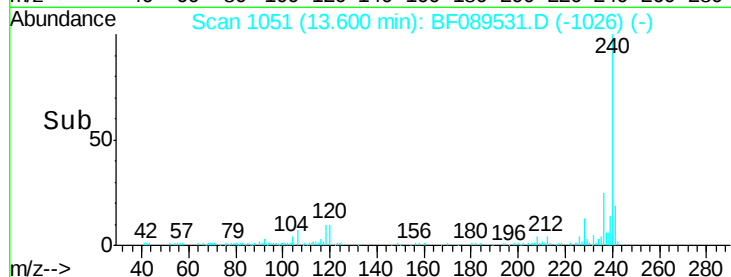
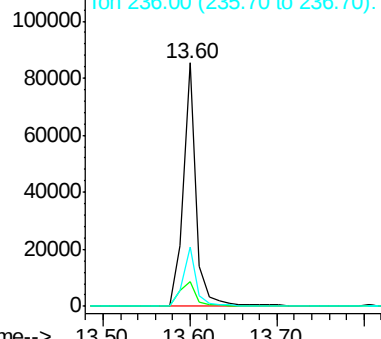
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.0	9.1	13.7
236	24.6	20.6	30.8

Manual Integrations
APPROVED

sohil
8/2/2016 5:06:24 PM



Abundance Ion 240.00 (239.70 to 240.70): E



#77

Pyrene

Concen: 11.27 ng

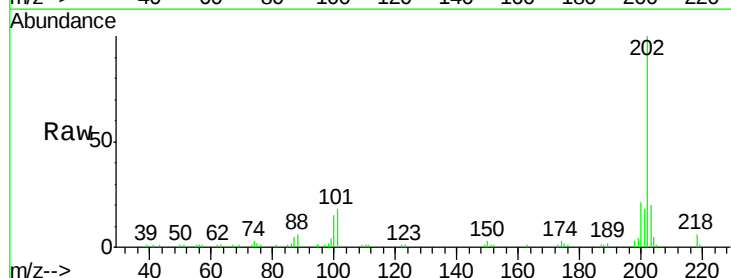
RT: 12.40 min Scan# 946

Delta R.T. -0.01 min

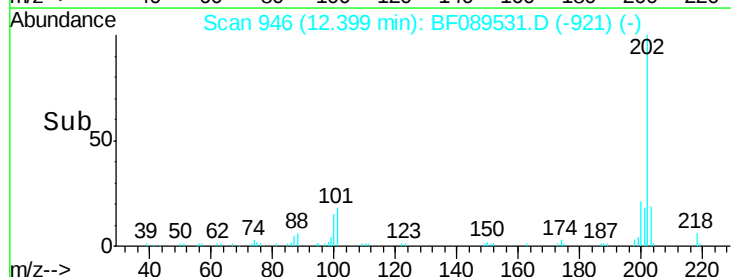
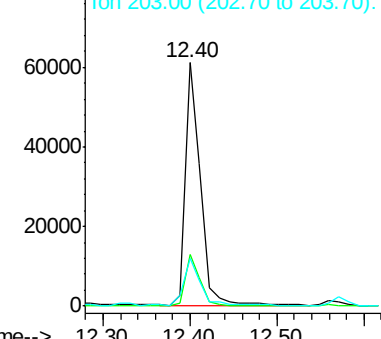
Lab File: BF089531.D

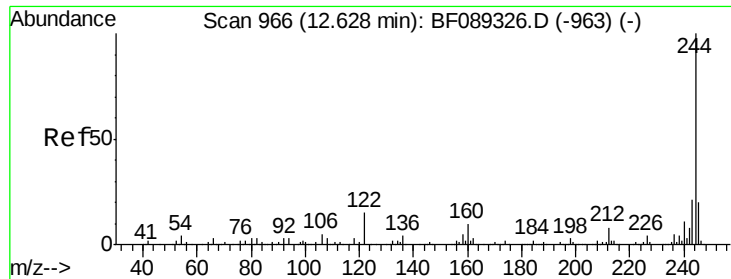
Acq: 2 Aug 2016 1:26

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.9	25.3
203	19.5	14.0	21.0



Abundance Ion 202.00 (201.70 to 202.70): E





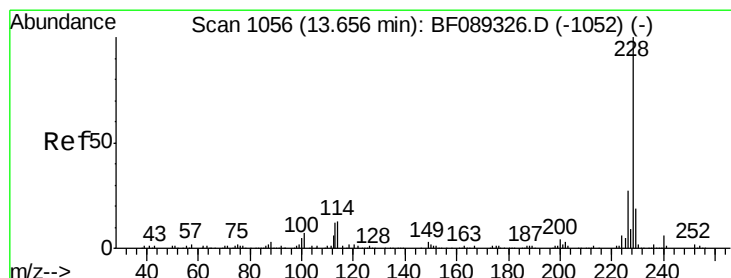
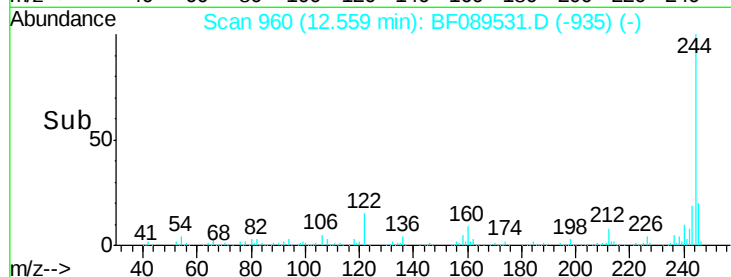
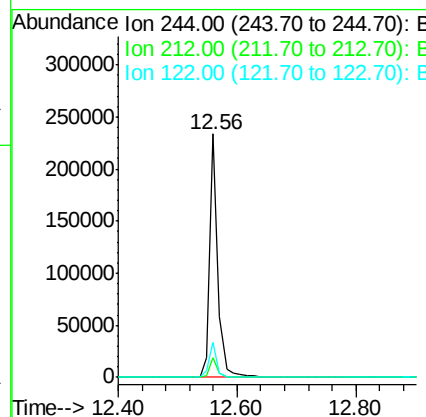
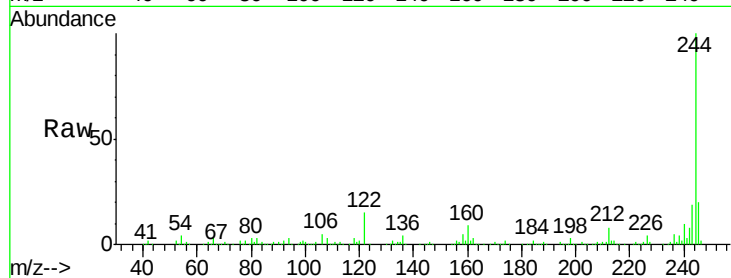
#78
 Terphenyl-d14
 Concen: 59.99 ng
 RT: 12.56 min Scan# 960
 Delta R.T. -0.01 min
 Lab File: BF089531.D
 Acq: 2 Aug 2016 1:26

Instrument :
 BNA_F
 ClientSampleId :
 SB-58-0.5-1.5

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.5	9.7
122	14.5	11.4	17.0

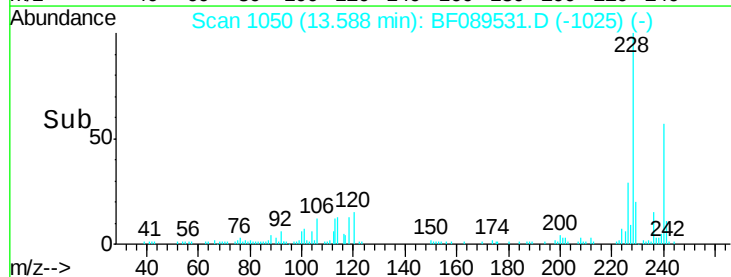
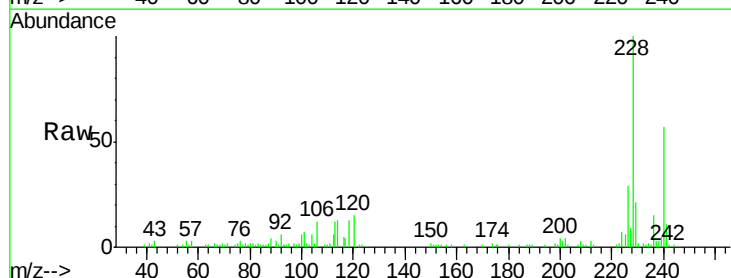
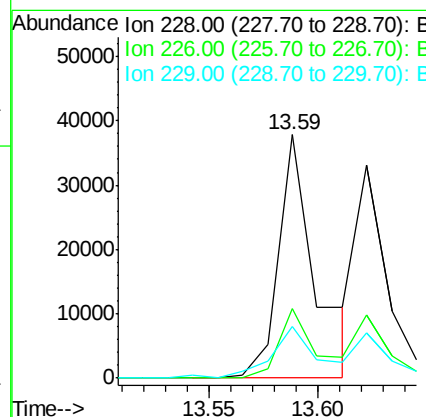
Manual Integrations
 APPROVED

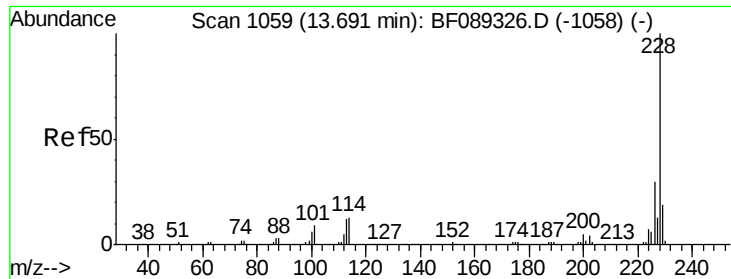
sohil
 8/2/2016 5:06:24 PM



#80
 Benzo(a)anthracene
 Concen: 8.93 ng
 RT: 13.59 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: BF089531.D
 Acq: 2 Aug 2016 1:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	21.4	32.2
229	21.0	15.9	23.9





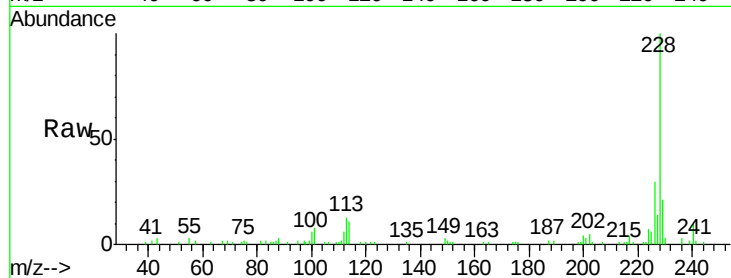
#82
Chrysene
Concen: 6.34 ng
RT: 13.62 min Scan# 1053
Delta R.T. -0.01 min
Lab File: BF089531.D
Acq: 2 Aug 2016 1:26

Instrument :
BNA_F
ClientSampleId :
SB-58-0.5-1.5

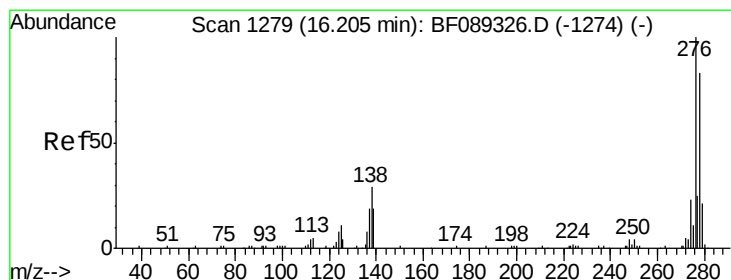
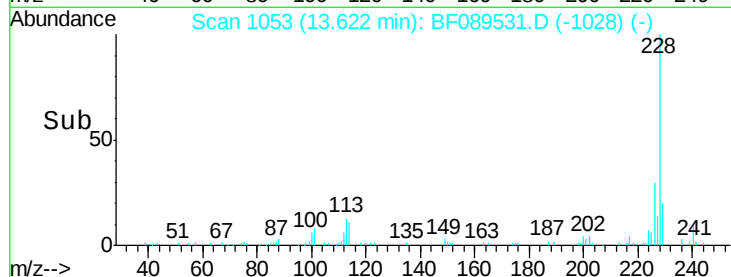
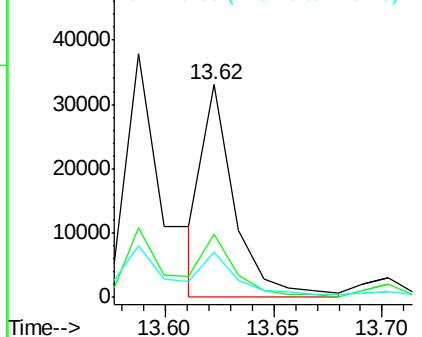
Tot Ion:228	Resp:	34000
Ion Ratio	Lower	Upper
228 100		
226 29.9	24.2	36.2
229 21.1	15.9	23.9

Manual Integrations
APPROVED

sohil
8/2/2016 5:06:24 PM



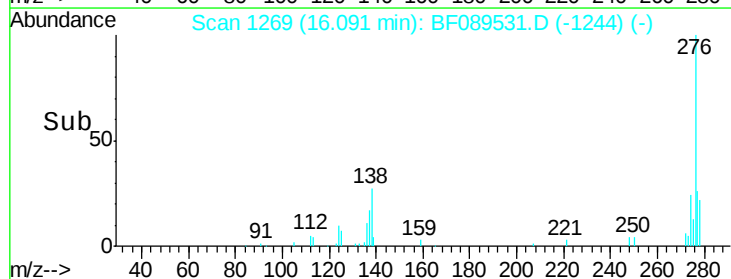
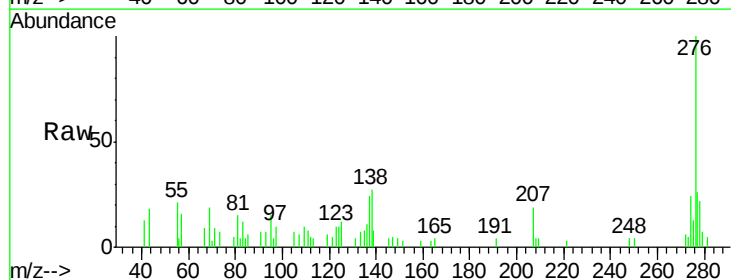
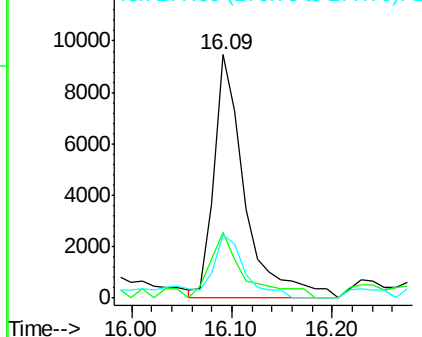
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

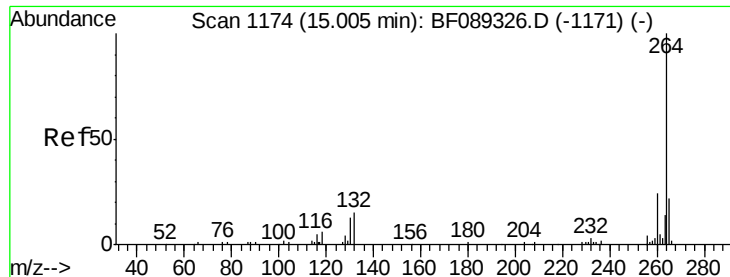


#85
Indeno(1,2,3-cd)pyrene
Concen: 5.28 ng
RT: 16.09 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BF089531.D
Acq: 2 Aug 2016 1:26

Tgt Ion:276	Resp:	20147
Ion Ratio	Lower	Upper
276 100		
138 33.8	23.0	34.4
277 25.4	20.2	30.4

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





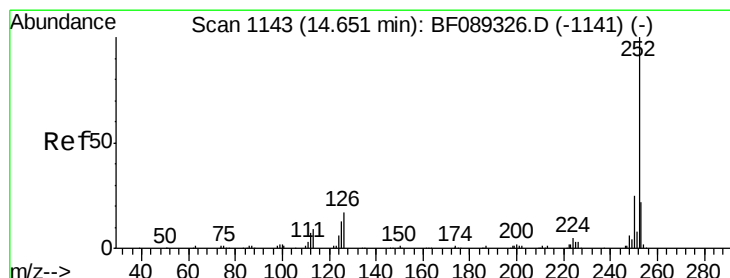
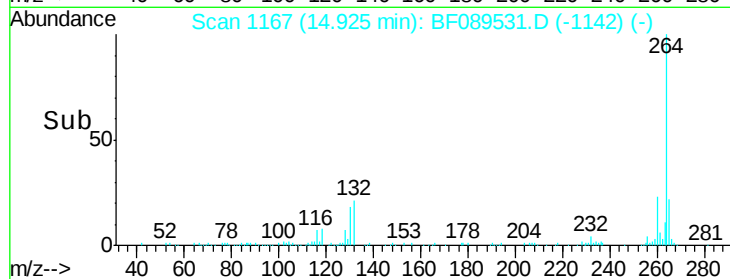
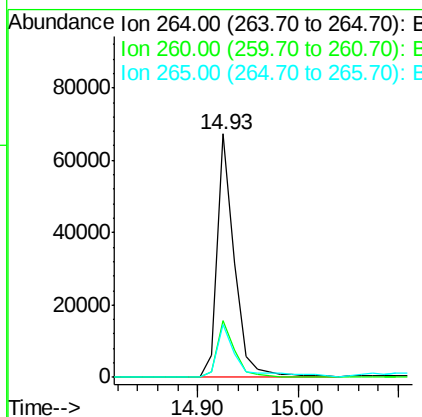
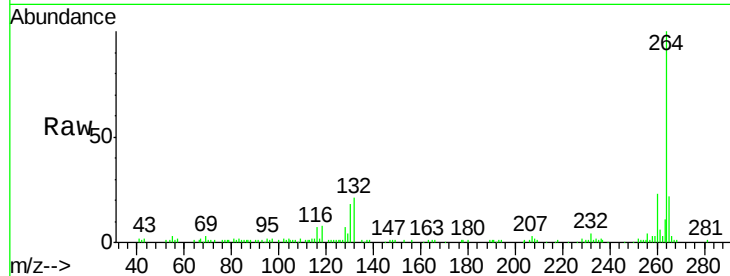
#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.93 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BF089531.D
Acq: 2 Aug 2016 1:26

Instrument :
BNA_F
ClientSampled :
SB-58-0.5-1.5

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.0	28.4
265	21.7	17.5	26.3

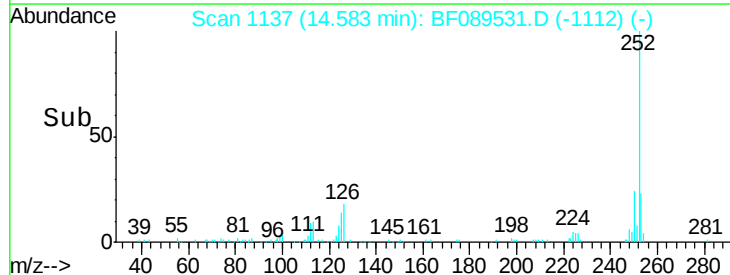
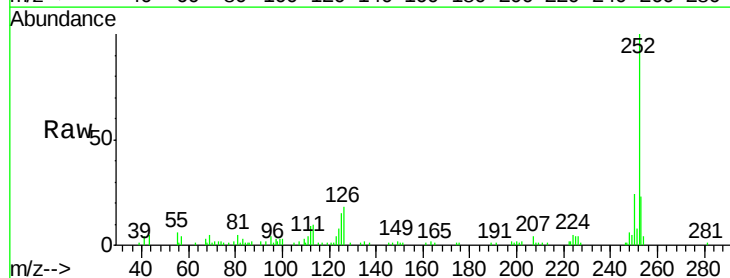
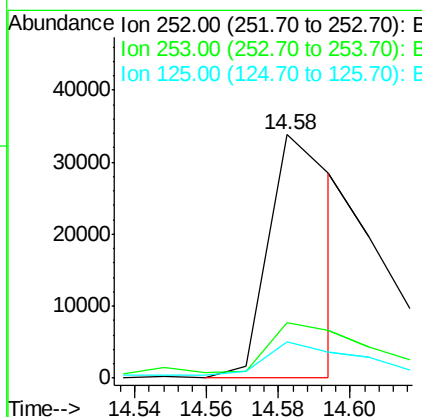
Manual Integrations
APPROVED

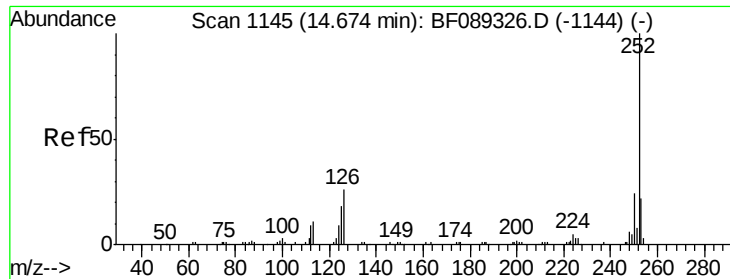
sohil
8/2/2016 5:06:24 PM



#87
Benzo(b)fluoranthene
Concen: 8.75 ng m
RT: 14.58 min Scan# 1137
Delta R.T. -0.01 min
Lab File: BF089531.D
Acq: 2 Aug 2016 1:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.2	25.8
125	15.0	9.7	14.5#





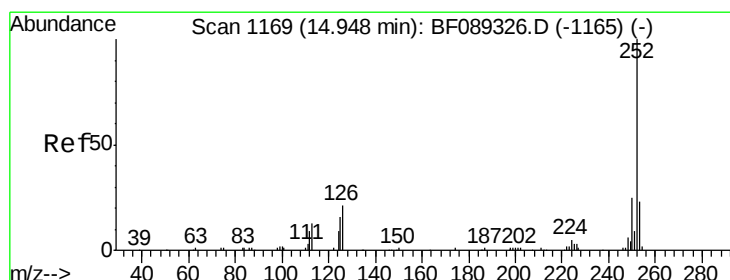
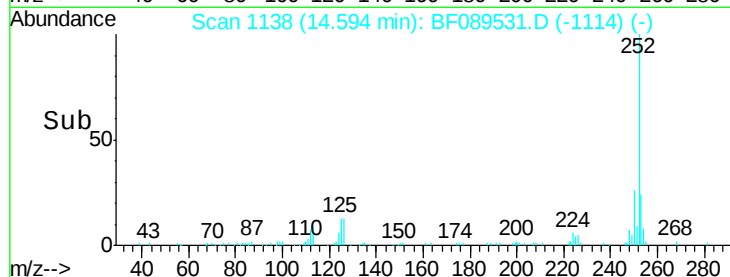
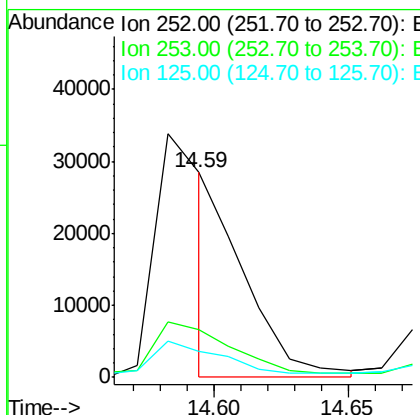
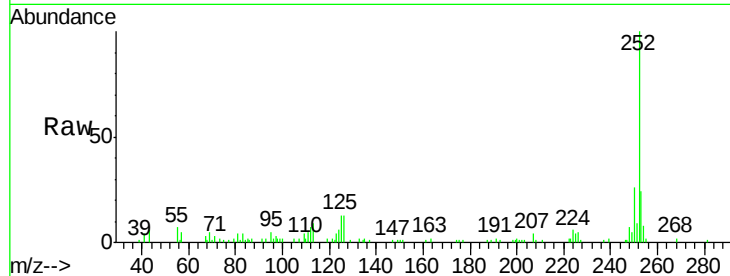
#88
Benzo(k)fluoranthene
Concen: 5.06 ng m
RT: 14.59 min Scan# 1138
Delta R.T. -0.02 min
Lab File: BF089531.D
Acq: 2 Aug 2016 1:26

Instrument :
BNA_F
ClientSampleId :
SB-58-0.5-1.5

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.8
125	12.7	10.7	16.1

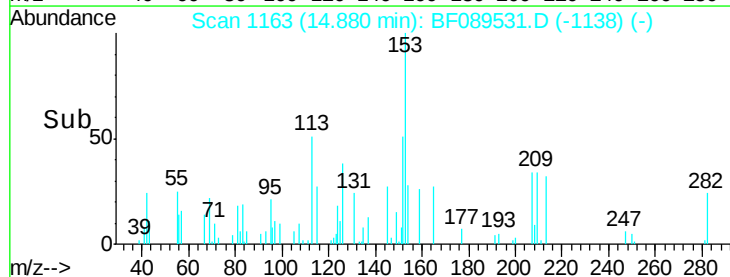
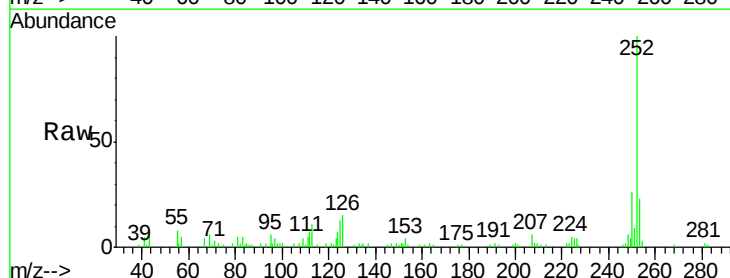
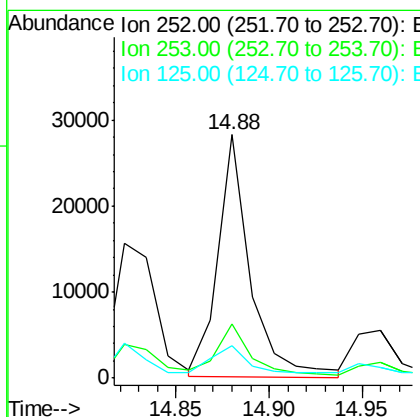
Manual Integrations
APPROVED

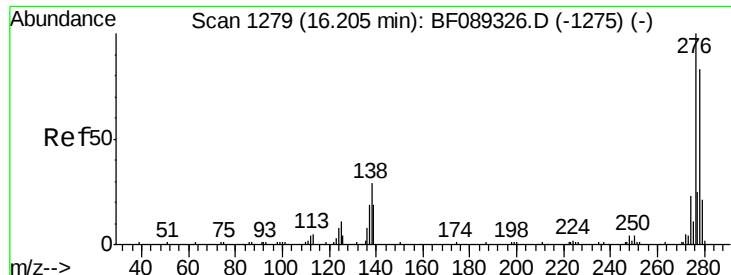
sohil
8/2/2016 5:06:24 PM



#89
Benzo(a)pyrene
Concen: 7.60 ng
RT: 14.88 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BF089531.D
Acq: 2 Aug 2016 1:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.4	26.2
125	13.2	12.4	18.6





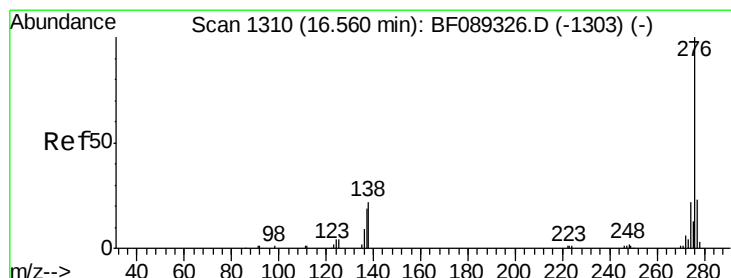
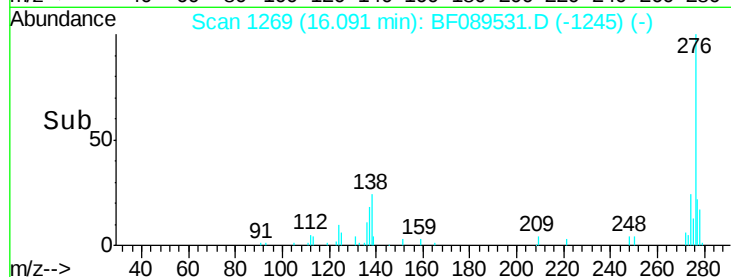
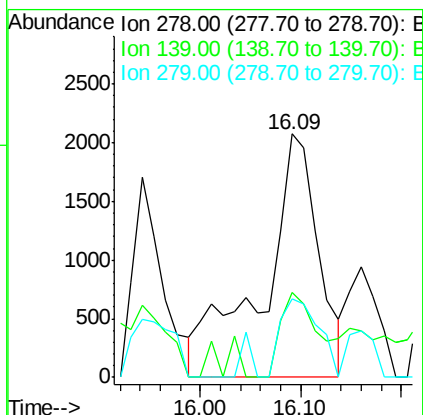
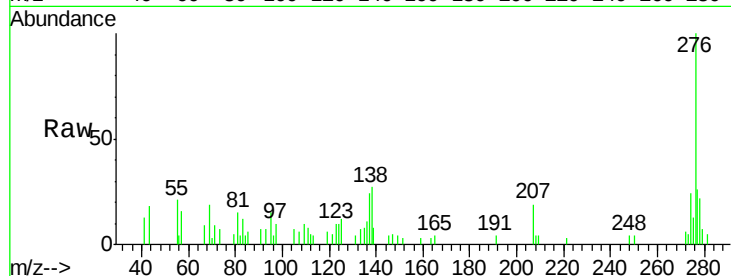
#90
Dibenzo(a,h)anthracene
Concen: 2.26 ng
RT: 16.09 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BF089531.D
Acq: 2 Aug 2016 1:26

Instrument :
BNA_F
ClientSampleId :
SB-58-0.5-1.5

Tot Ion	Ratio	Lower	Upper
278	100		
139	34.9	16.3	24.5#
279	32.1	19.1	28.7#

Manual Integrations
APPROVED

sohil
8/2/2016 5:06:24 PM



#91
Benzo(g,h,i)perylene
Concen: 5.49 ng
RT: 16.43 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF089531.D
Acq: 2 Aug 2016 1:26

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.2	18.6	28.0
138	28.7	21.4	32.0

