

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081916\
 Data File : BF089811.D
 Acq On : 19 Aug 2016 22:13
 Operator : UM/SJ
 Sample : H4518-02
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A-1(0-5)

Manual Integrations
 APPROVED

sohil
 8/22/2016 3:48:23 PM

Quant Time: Aug 22 10:04:38 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 19 14:02:57 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	592875	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	1983334	20.00	ng	-0.01
38) Acenaphthene-d10	9.71	164	921818	20.00	ng	0.00
63) Phenanthrene-d10	11.19	188	1436719	20.00	ng	0.00
75) Chrysene-d12	13.83	240	1119763	20.00	ng	-0.05
86) Perylene-d12	15.26	264	1214508	20.00	ng	-0.11
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	3142062	90.88	ng	0.01
7) Phenol-d6	6.32	99	3791308	89.34	ng	0.00
23) Nitrobenzene-d5	7.24	82	2173837	68.09	ng	-0.01
41) 2,4,6-Tribromophenol	10.50	330	799062	91.21	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	4068434	77.57	ng	0.00
78) Terphenyl-d14	12.78	244	2425563	49.00	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.44	163	1019077	15.70	ng	100
70) Phenanthrene	11.21	178	238267	3.28	ng	98
73) Di-n-butylphthalate	11.77	149	180712	2.18	ng	98
74) Fluoranthene	12.39	202	371534	5.38	ng	94
77) Pyrene	12.62	202	406529	4.46	ng	97
79) Butylbenzylphthalate	13.27	149	1095551	26.60	ng	90
80) Benzo(a)anthracene	13.82	228	200053	3.12	ng	96
82) Chrysene	13.85	228	204599m	3.72	ng	
83) Bis(2-ethylhexyl)phthalate	13.84	149	971150	17.12	ng	# 97
85) Indeno(1,2,3-cd)pyrene	16.53	276	163113	2.33	ng	94
87) Benzo(b)fluoranthene	14.88	252	319732m	4.79	ng	
89) Benzo(a)pyrene	15.19	252	227071	3.59	ng	# 90
91) Benzo(a,h,i)perylene	16.90	276	162202	2.24	ng	98

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

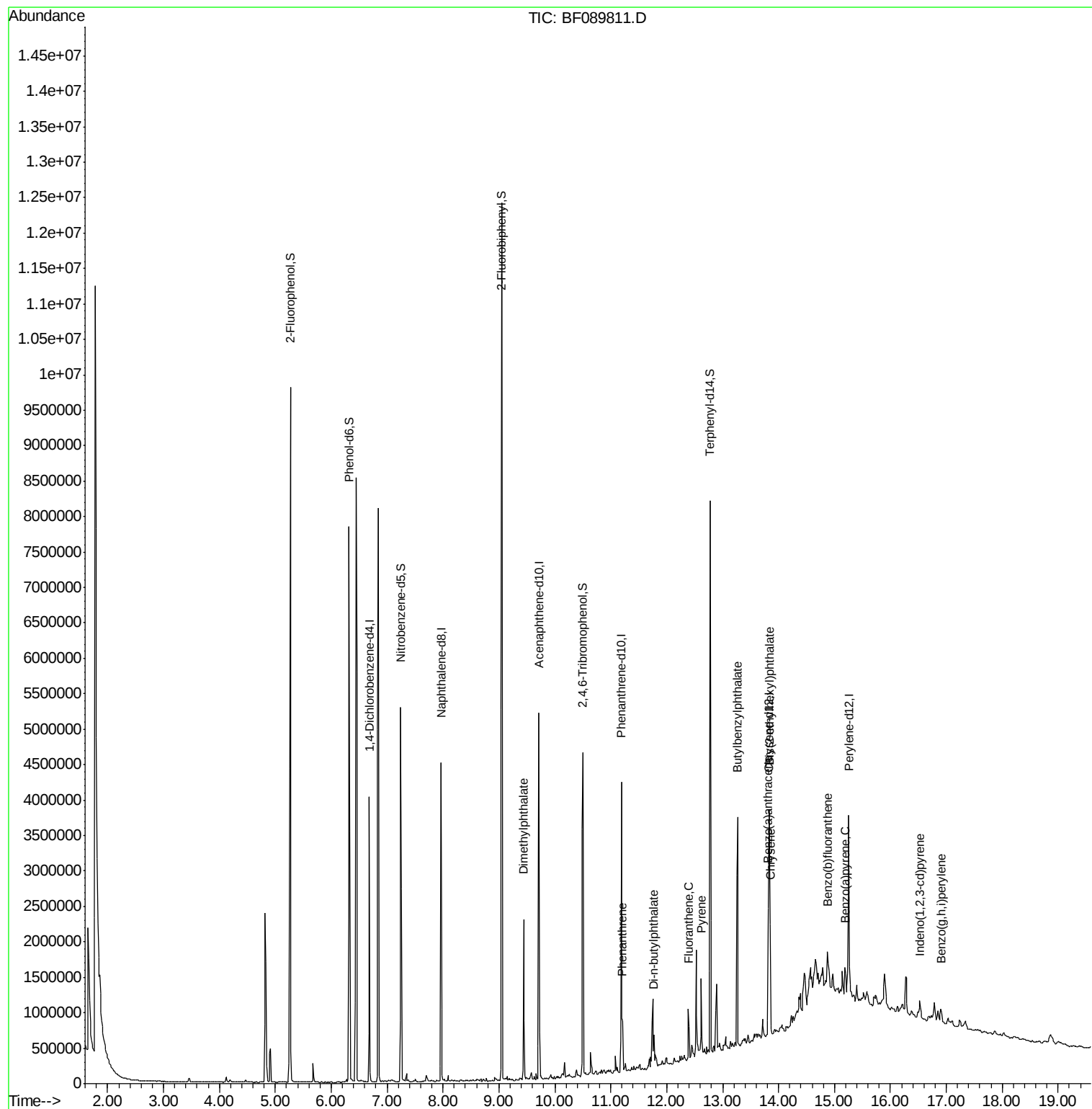
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081916\
Data File : BF089811.D
Acq On : 19 Aug 2016 22:13
Operator : UM/SJ
Sample : H4518-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

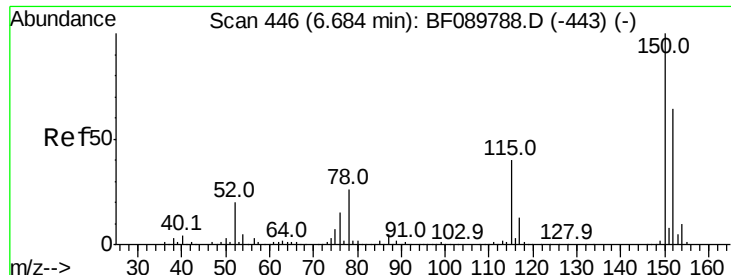
Instrument :
BNA_F
ClientSampleId :
A-1(0-5)

Manual Integrations
APPROVED

sohil
8/22/2016 3:48:23 PM

Quant Time: Aug 22 10:04:38 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 19 14:02:57 2016
Response via : Initial Calibration





#1

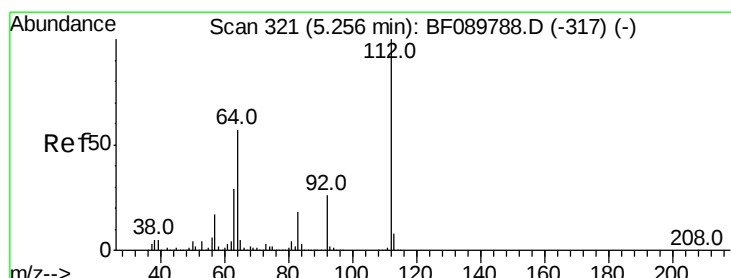
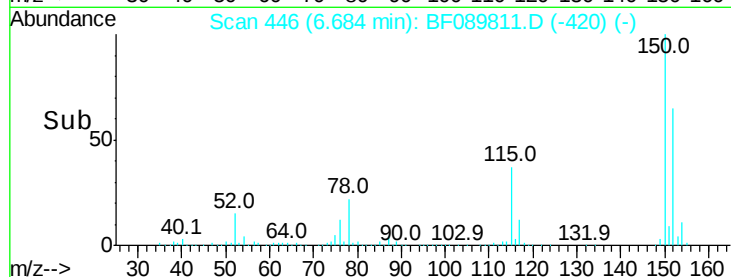
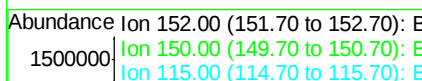
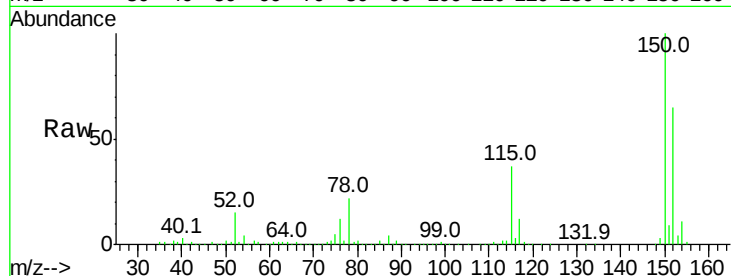
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.68 min Scan# 446
Delta R.T. -0.00 min
Lab File: BF089811.D
Acq: 19 Aug 2016 22:13

Instrument :
BNA_F
ClientSampleId :
A-1(0-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	125.3	187.9
115	57.1	40.9	61.3

Manual Integrations
APPROVED

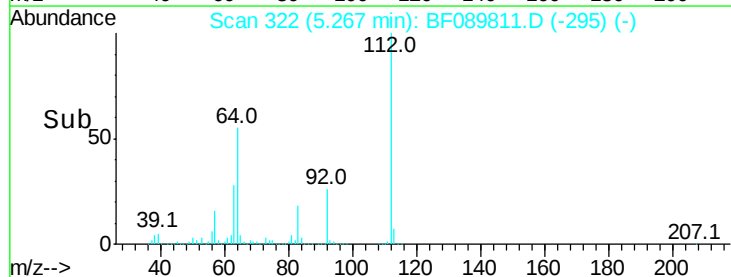
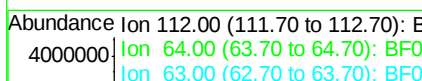
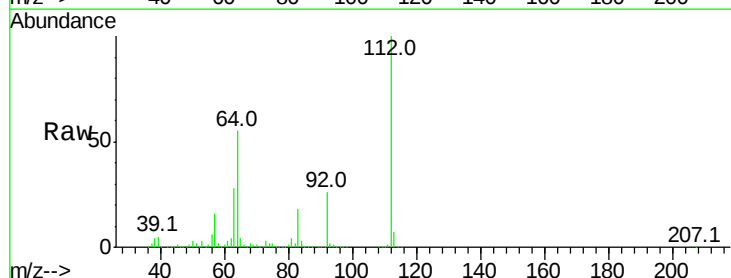
sohil
8/22/2016 3:48:23 PM

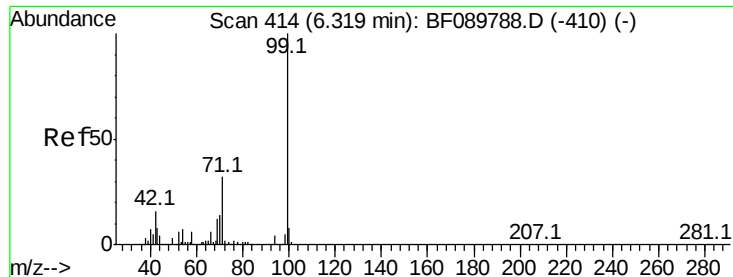


#5

2-Fluorophenol
Concen: 90.88 ng
RT: 5.27 min Scan# 322
Delta R.T. 0.01 min
Lab File: BF089811.D
Acq: 19 Aug 2016 22:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.6	45.0	67.4
63	27.7	23.1	34.7





#7

Phenol-d6

Concen: 89.34 ng

RT: 6.32 min Scan# 414

Delta R.T. -0.00 min

Lab File: BF089811.D

Acq: 19 Aug 2016 22:13

Instrument :

BNA_F

ClientSampleId :

A-1(0-5)

Tot Ion: 99 Resp: 3791308

Ion Ratio Lower Upper

99 100

42 15.3 12.2 18.4

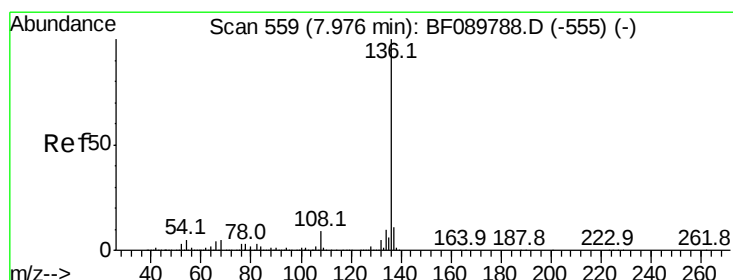
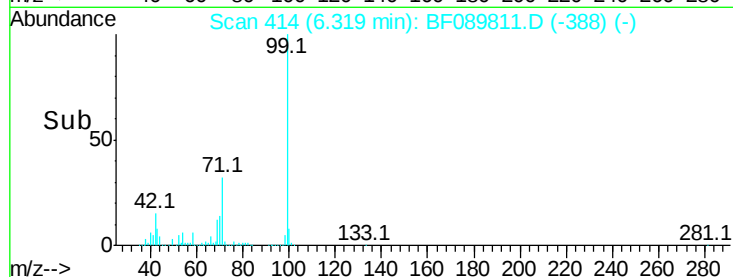
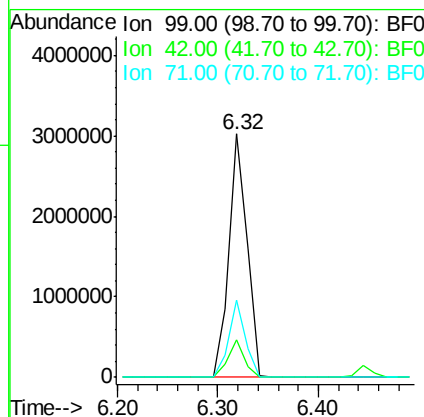
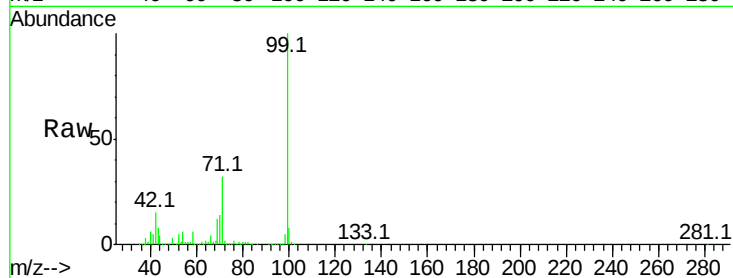
71 31.6 23.8 35.8

Manual Integrations

APPROVED

sohil

8/22/2016 3:48:23 PM



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.96 min Scan# 558

Delta R.T. -0.01 min

Lab File: BF089811.D

Acq: 19 Aug 2016 22:13

Tgt Ion: 136 Resp: 1983334

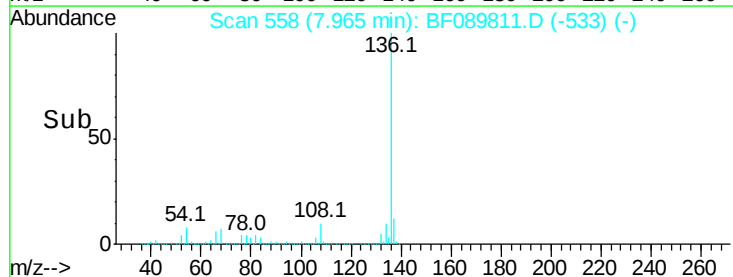
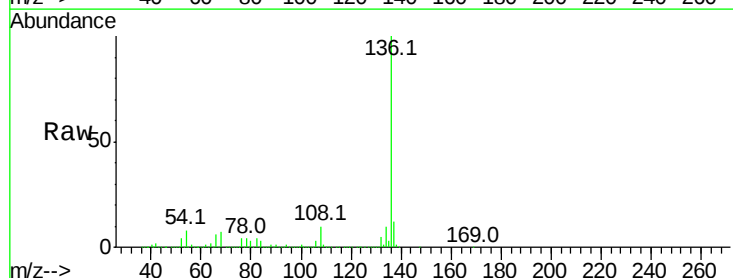
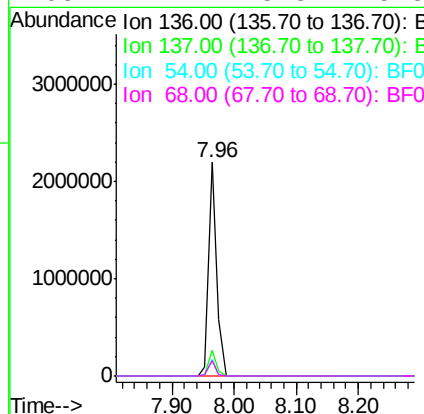
Ion Ratio Lower Upper

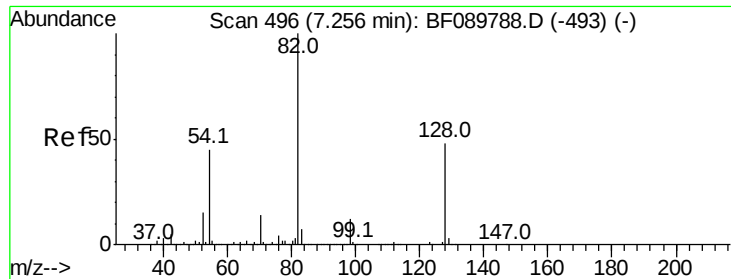
136 100

137 11.9 9.2 13.8

54 8.1 7.2 10.8

68 7.4 5.8 8.8





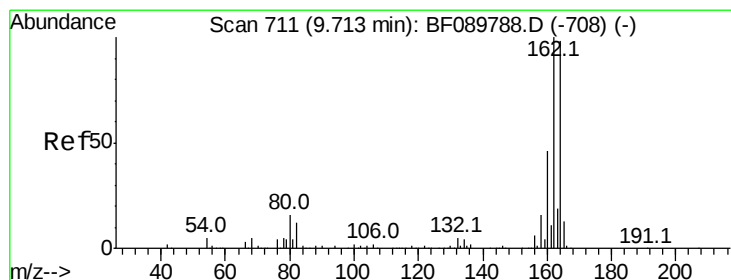
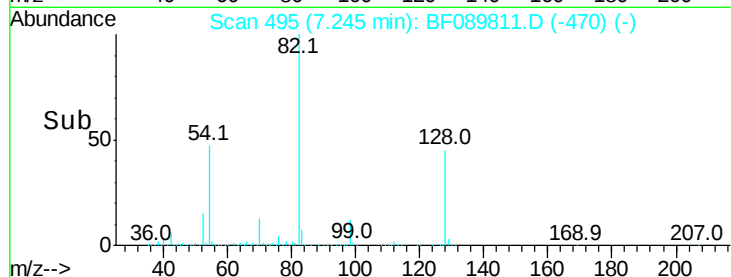
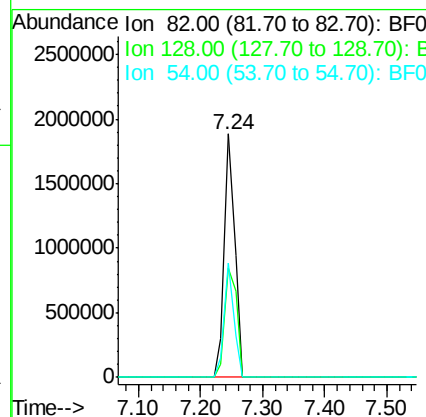
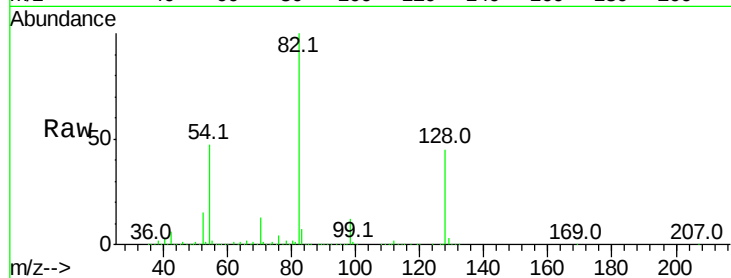
#23
 Nitrobenzene-d5
 Concen: 68.09 ng
 RT: 7.24 min Scan# 495
 Delta R.T. -0.01 min
 Lab File: BF089811.D
 Acq: 19 Aug 2016 22:13

Instrument :
 BNA_F
 ClientSampleId :
 A-1(0-5)

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.7	34.4	51.6
54	46.8	40.3	60.5

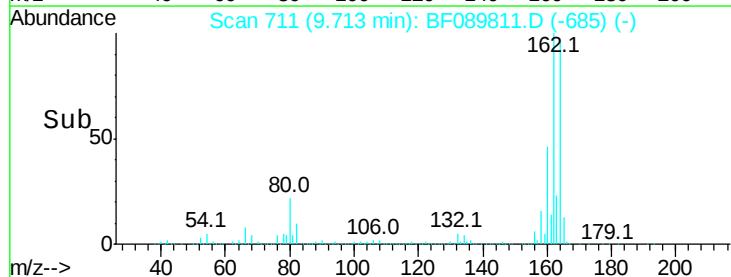
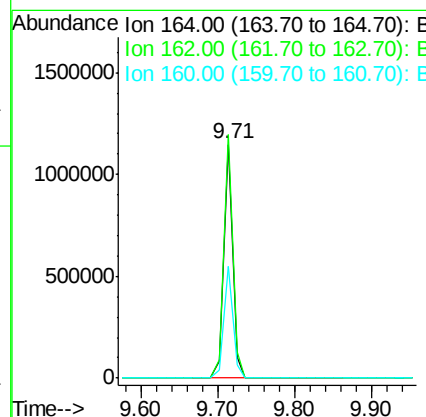
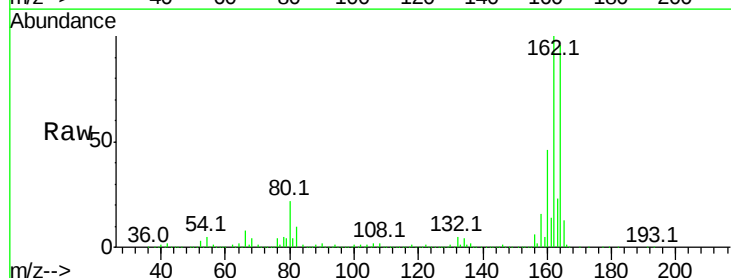
Manual Integrations
 APPROVED

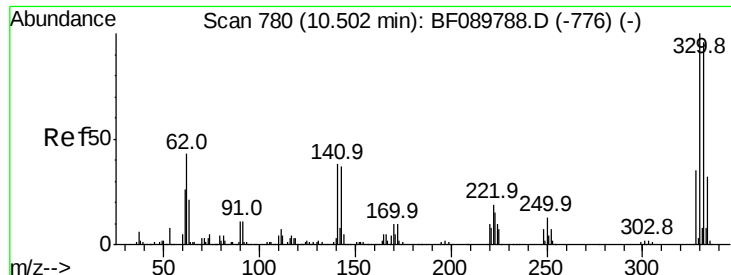
sohil
 8/22/2016 3:48:23 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.71 min Scan# 711
 Delta R.T. -0.00 min
 Lab File: BF089811.D
 Acq: 19 Aug 2016 22:13

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.1	81.4	122.2
160	48.0	37.8	56.6





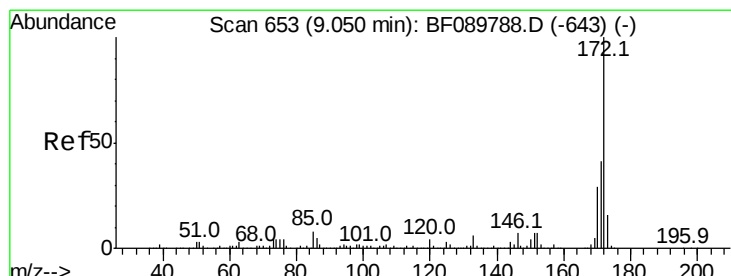
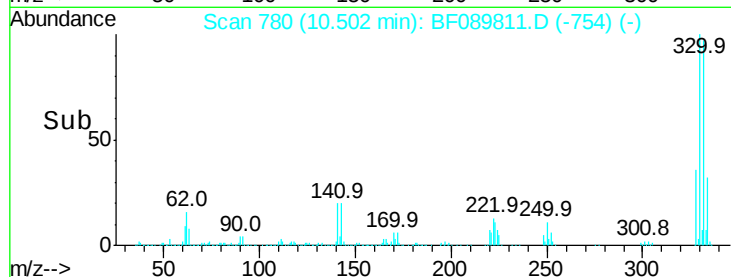
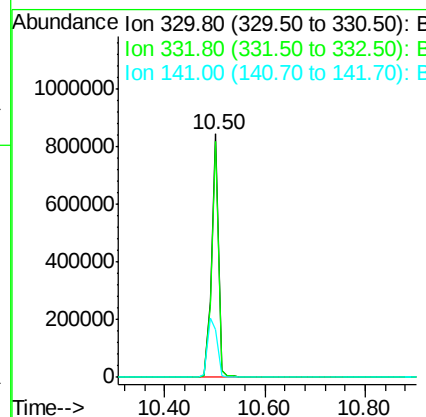
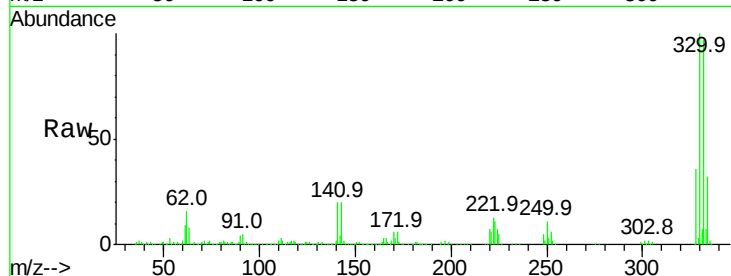
#41
 2,4,6-Tribromophenol
 Concen: 91.21 ng
 RT: 10.50 min Scan# 780
 Delta R.T. -0.00 min
 Lab File: BF089811.D
 Acq: 19 Aug 2016 22:13

Instrument :
 BNA_F
 ClientSampleId :
 A-1(0-5)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	799062		
332	96.3		76.7	115.1
141	33.5		30.2	45.2

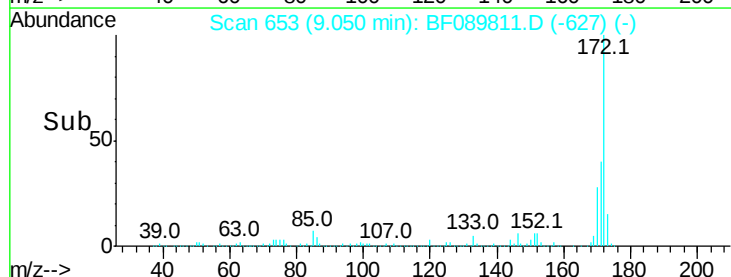
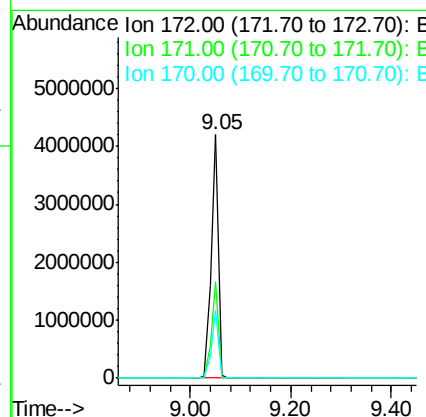
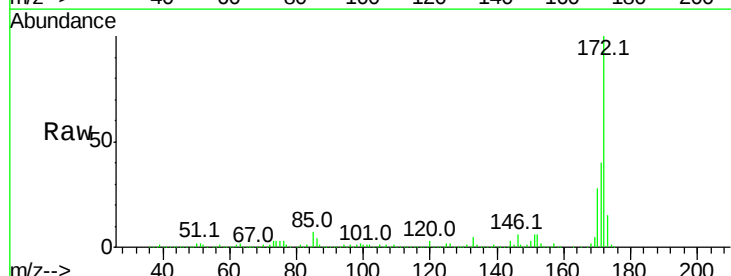
Manual Integrations
 APPROVED

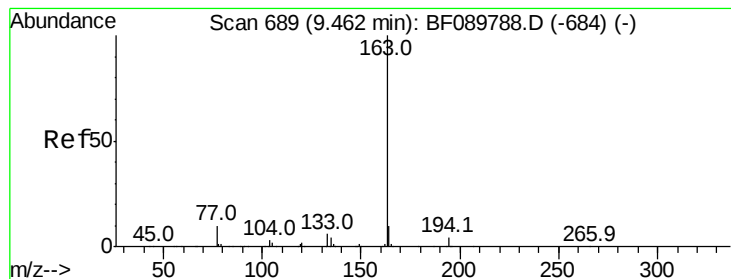
sohil
 8/22/2016 3:48:23 PM



#44
 2-Fluorobiphenyl
 Concen: 77.57 ng
 RT: 9.05 min Scan# 653
 Delta R.T. 0.00 min
 Lab File: BF089811.D
 Acq: 19 Aug 2016 22:13

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	4068434		
171	39.6		30.5	45.7
170	27.8		20.6	31.0





#49

Dimethylphthalate

Concen: 15.70 ng

RT: 9.44 min Scan# 687

Delta R.T. -0.02 min

Lab File: BF089811.D

Acq: 19 Aug 2016 22:13

Instrument :

BNA_F

ClientSampleId :

A-1(0-5)

Tot Ion:163 Resp: 1019077

Ion Ratio Lower Upper

163 100

194 3.0 2.6 3.8

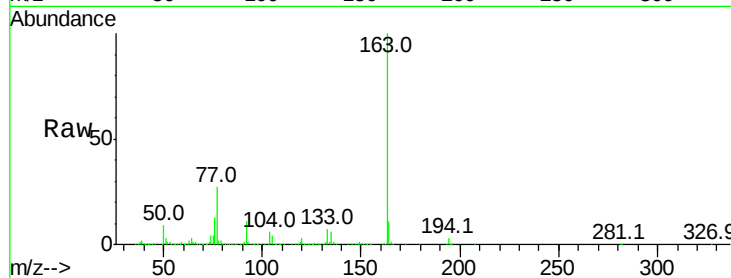
164 10.8 8.6 12.8

Manual Integrations

APPROVED

sohil

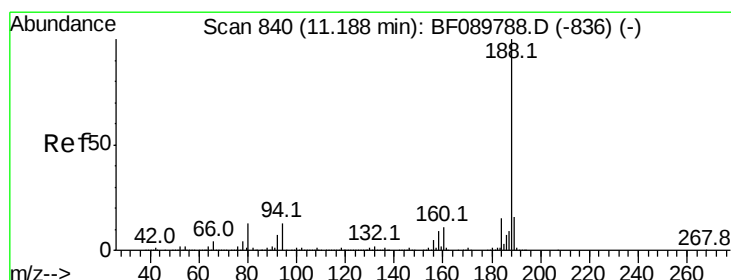
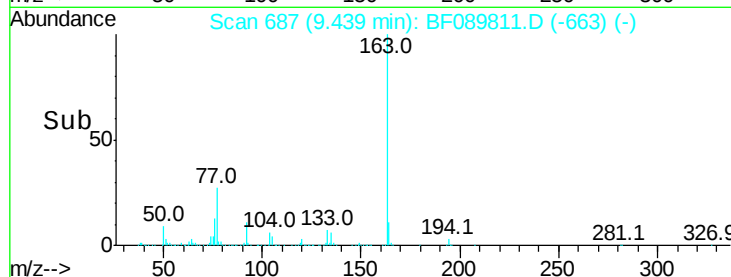
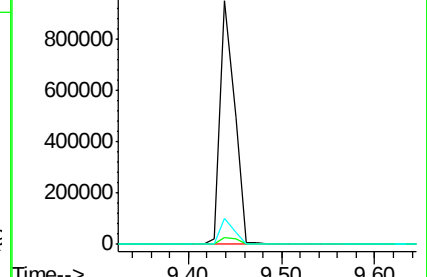
8/22/2016 3:48:23 PM



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.19 min Scan# 840

Delta R.T. -0.00 min

Lab File: BF089811.D

Acq: 19 Aug 2016 22:13

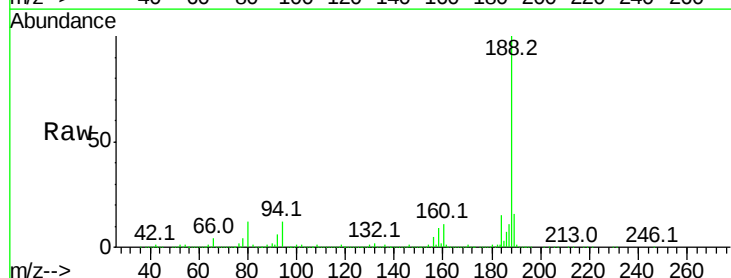
Tgt Ion:188 Resp: 1436719

Ion Ratio Lower Upper

188 100

94 11.5 10.2 15.2

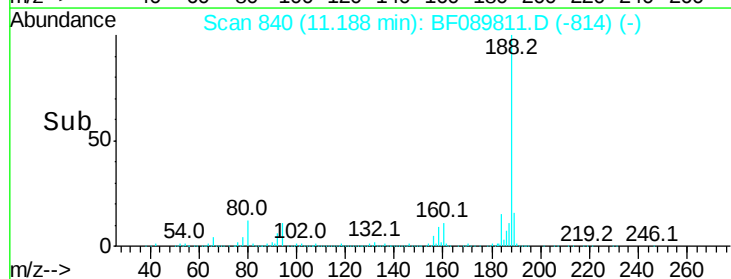
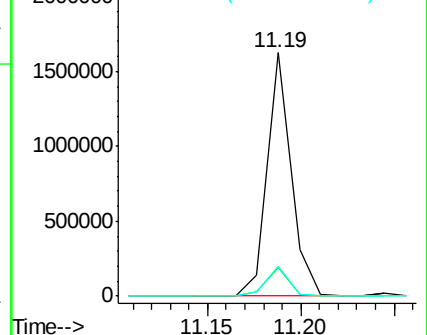
80 12.1 10.9 16.3

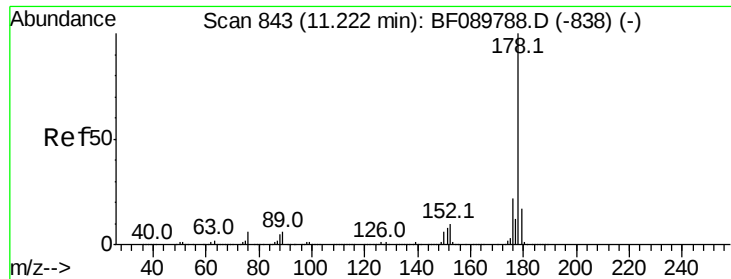


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 3.28 ng

RT: 11.21 min Scan# 842

Delta R.T. -0.01 min

Lab File: BF089811.D

Acq: 19 Aug 2016 22:13

Instrument :

BNA_F

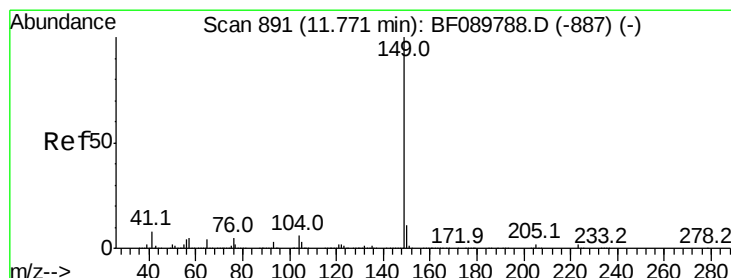
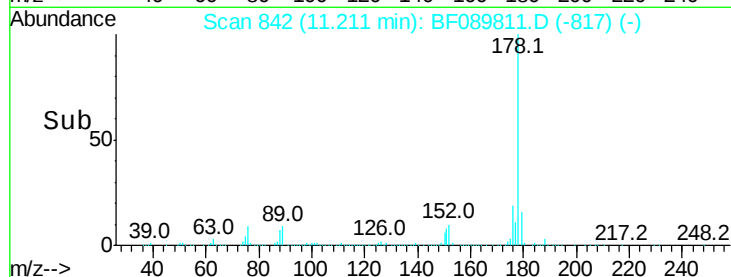
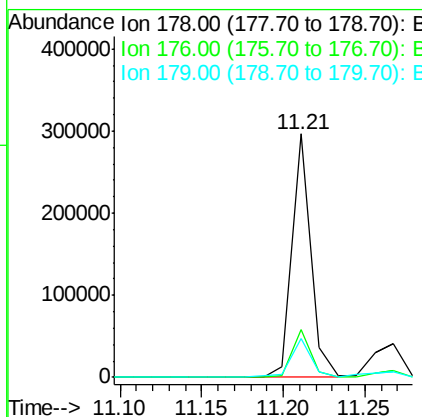
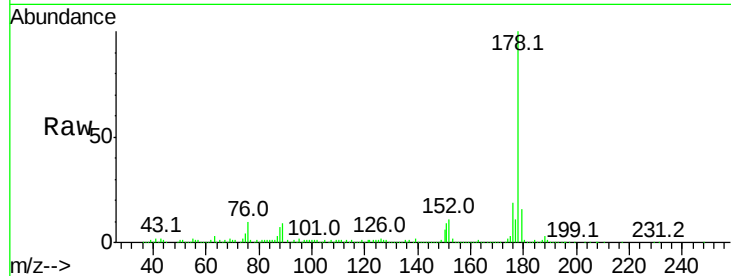
ClientSampleId :

A-1(0-5)

Tot Ion:	178	Resp:	238267
Ion Ratio	Lower	Upper	
178	100		
176	19.5	16.4	24.6
179	15.9	12.5	18.7

Manual Integrations
APPROVED

sohil
8/22/2016 3:48:23 PM



#73

Di-n-butylphthalate

Concen: 2.18 ng

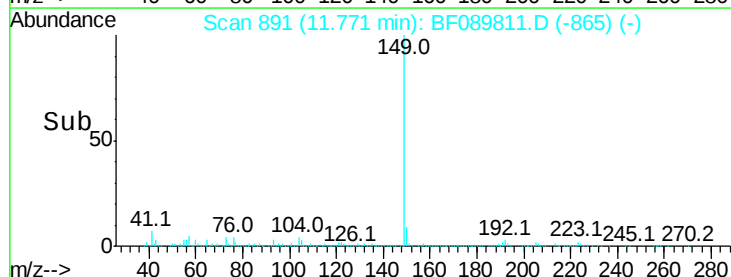
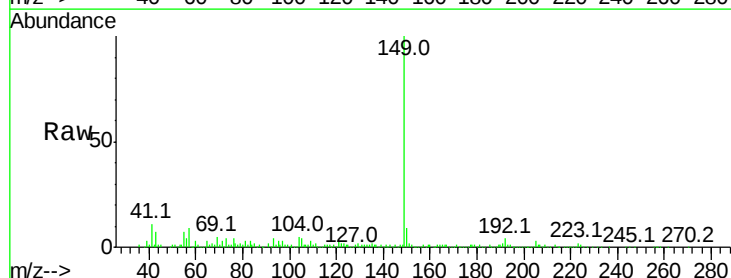
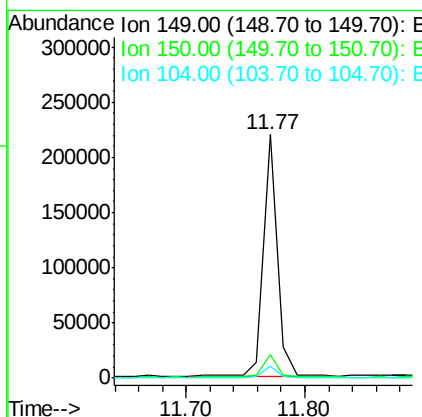
RT: 11.77 min Scan# 891

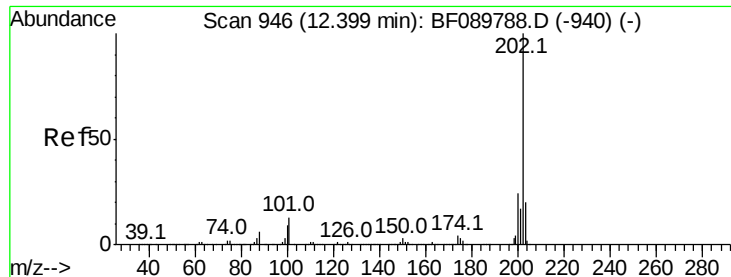
Delta R.T. -0.00 min

Lab File: BF089811.D

Acq: 19 Aug 2016 22:13

Tgt Ion:	149	Resp:	180712
Ion Ratio	Lower	Upper	
149	100		
150	9.5	7.9	11.9
104	4.7	4.3	6.5





#74

Fluoranthene

Concen: 5.38 ng

RT: 12.39 min Scan# 945

Delta R.T. -0.01 min

Lab File: BF089811.D

Acq: 19 Aug 2016 22:13

Instrument :

BNA_F

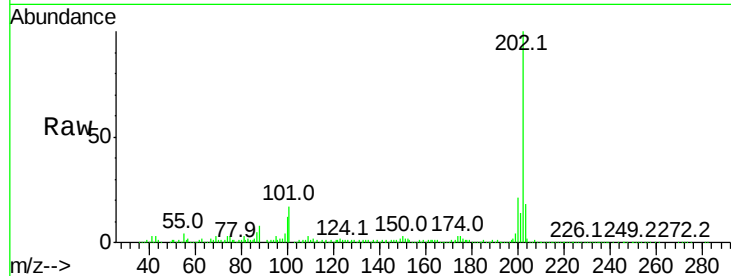
ClientSampleId :

A-1(0-5)

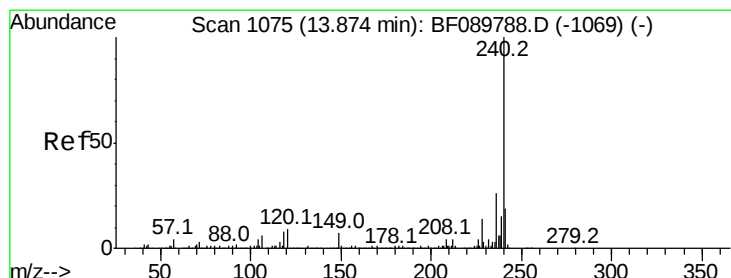
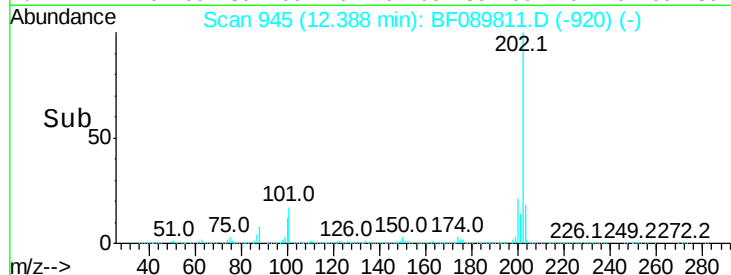
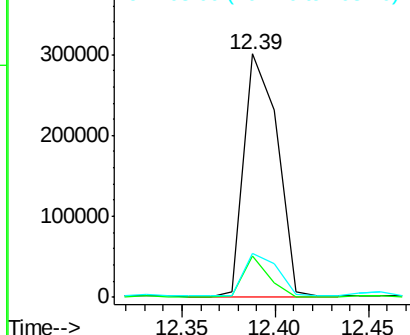
Tot Ion:	202	Resp:	371534
Ion Ratio	Lower	Upper	
202	100		
101	17.1	0.0	31.2
203	17.9	0.0	38.1

Manual Integrations
APPROVED

sohil
8/22/2016 3:48:23 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: 13.83 min Scan# 1071

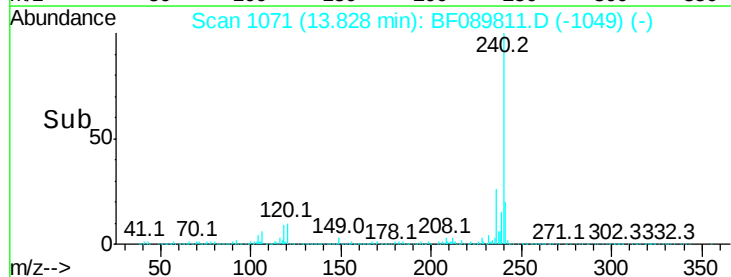
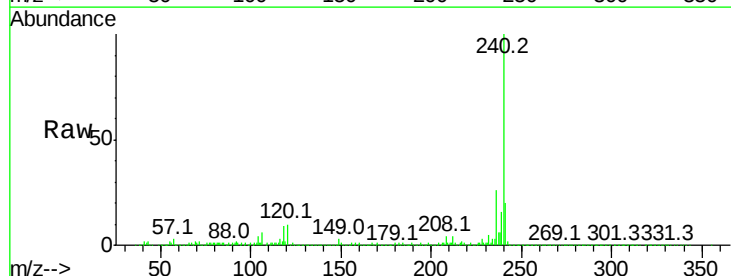
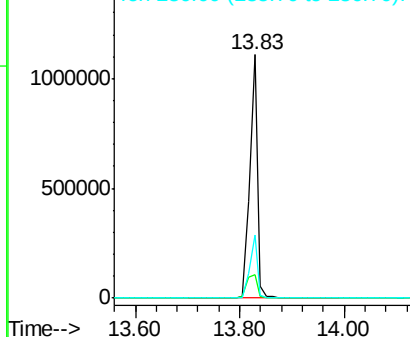
Delta R.T. -0.05 min

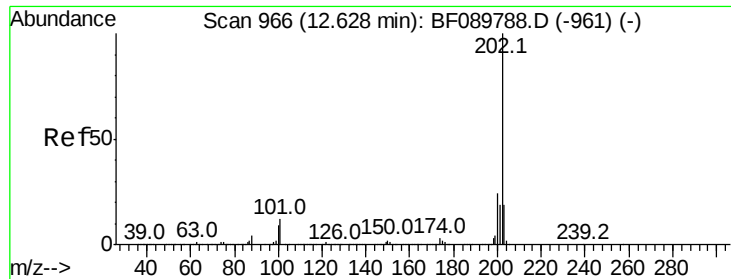
Lab File: BF089811.D

Acq: 19 Aug 2016 22:13

Tgt Ion:	240	Resp:	1119763
Ion Ratio	Lower	Upper	
240	100		
120	9.7	8.3	12.5
236	26.2	21.3	31.9

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

Pvrene

Concen: 4.46 ng

RT: 12.62 min Scan# 965

Delta R.T. -0.01 min

Lab File: BF089811.D

Acq: 19 Aug 2016 22:13

Instrument :

BNA_F

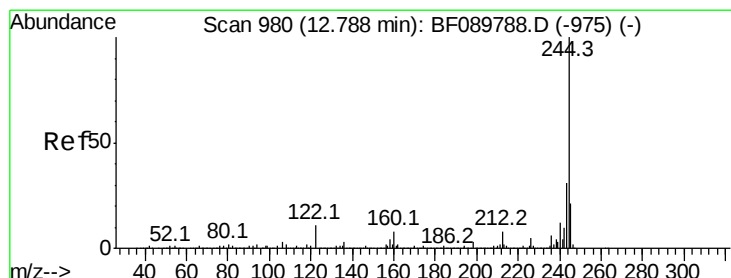
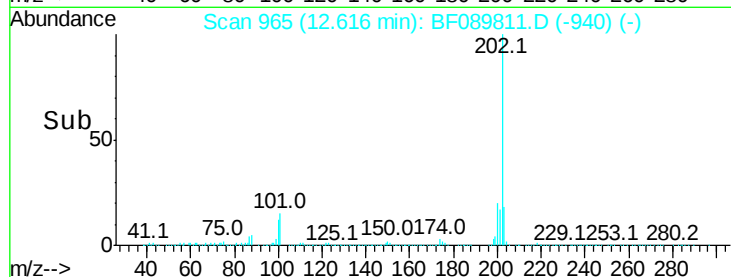
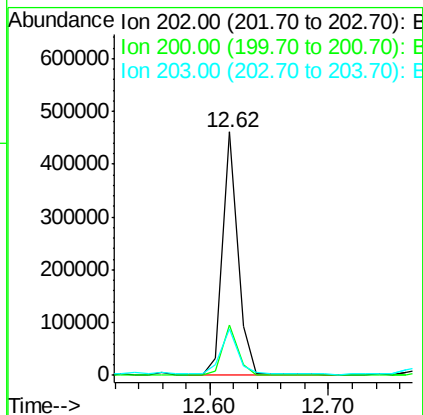
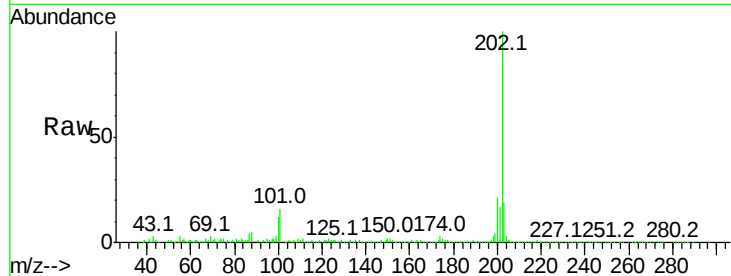
ClientSampleId :

A-1(0-5)

Tot Ion:	202	Resp:	406529
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.8	26.6
203	19.0	14.2	21.4

Manual Integrations
APPROVED

sohil
8/22/2016 3:48:23 PM



#78

Terphenyl-d14

Concen: 49.00 ng

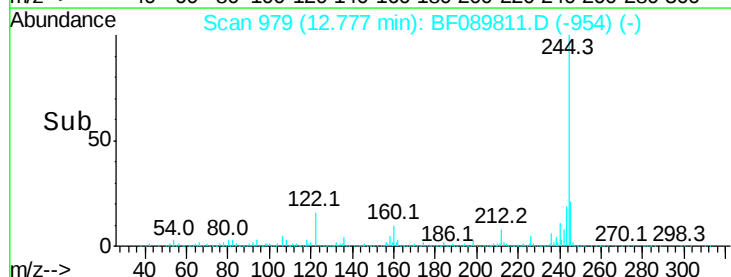
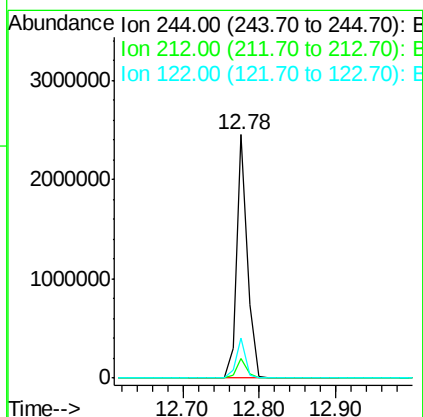
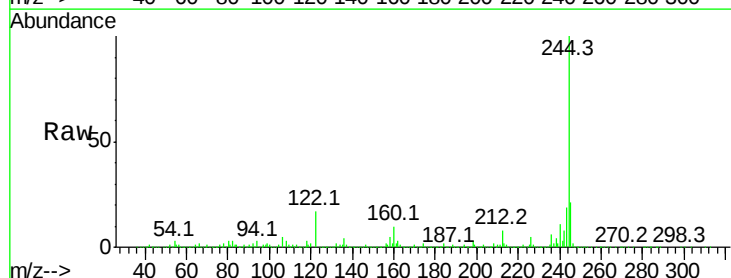
RT: 12.78 min Scan# 979

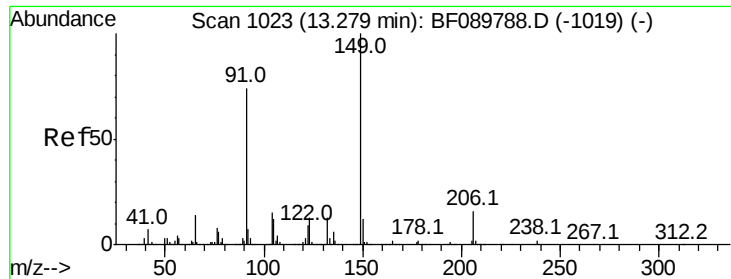
Delta R.T. -0.01 min

Lab File: BF089811.D

Acq: 19 Aug 2016 22:13

Tgt Ion:	244	Resp:	2425563
Ion Ratio	Lower	Upper	
244	100		
212	8.0	6.3	9.5
122	16.5	12.0	18.0





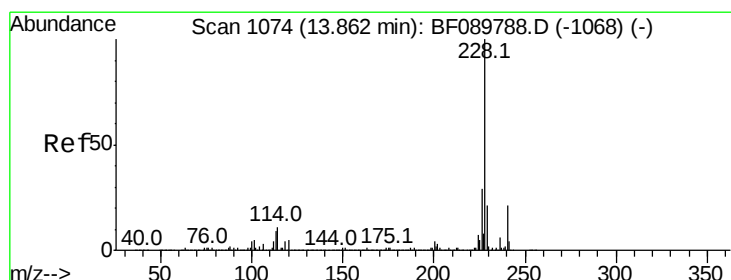
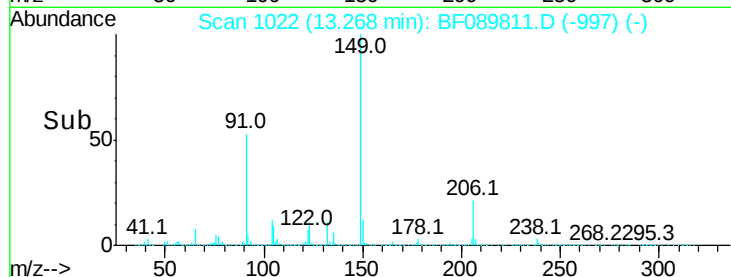
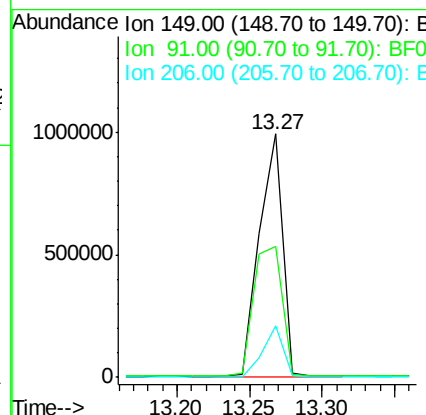
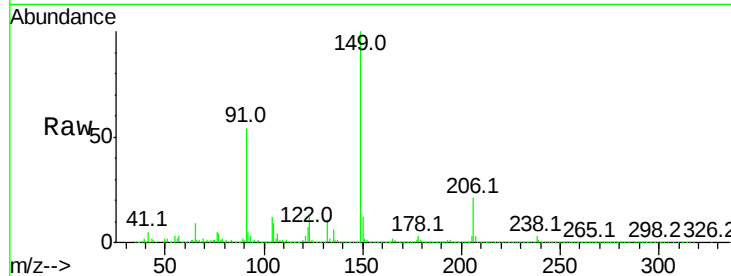
#79
Butylbenzylphthalate
Concen: 26.60 ng
RT: 13.27 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF089811.D
Acq: 19 Aug 2016 22:13

Instrument :
BNA_F
ClientSampled :
A-1(0-5)

Tot Ion	Ratio	Lower	Upper
149	100		
91	53.7	50.7	76.1
206	21.3	15.5	23.3

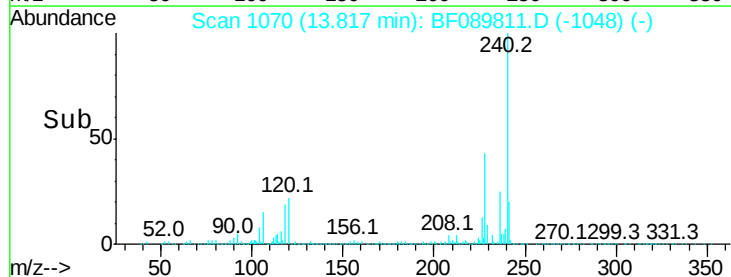
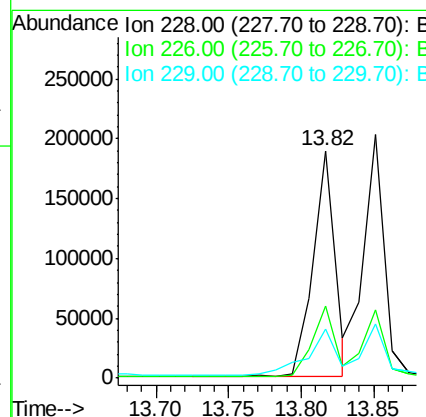
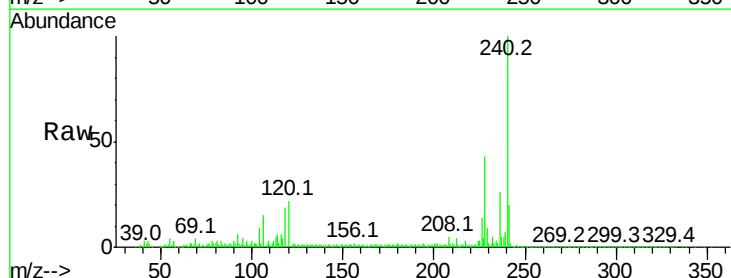
Manual Integrations
APPROVED

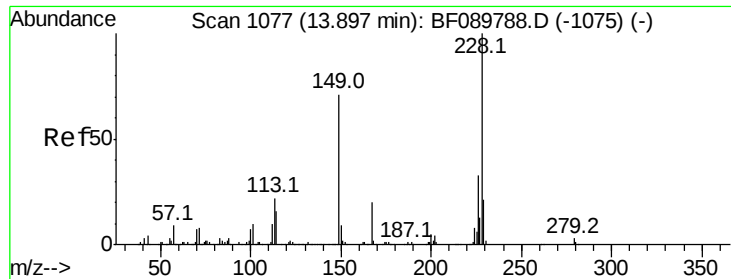
sohil
8/22/2016 3:48:23 PM



#80
Benzo(a)anthracene
Concen: 3.12 ng
RT: 13.82 min Scan# 1070
Delta R.T. -0.05 min
Lab File: BF089811.D
Acq: 19 Aug 2016 22:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	23.2	34.8
229	21.5	16.2	24.4





#82

Chrysene

Concen: 3.72 ng/mL

RT: 13.85 min Scan# 1073

Delta R.T. -0.05 min

Lab File: BF089811.D

Acq: 19 Aug 2016 22:13

Instrument :

BNA_F

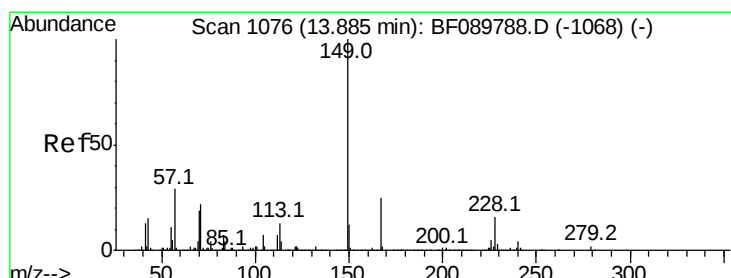
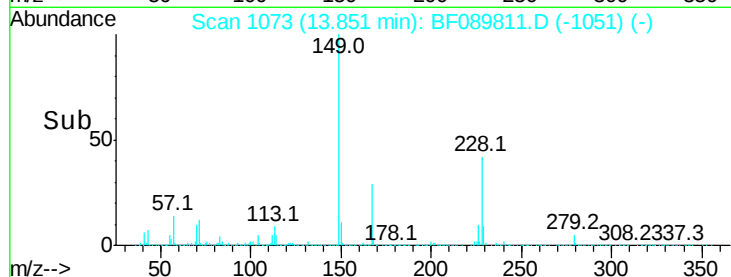
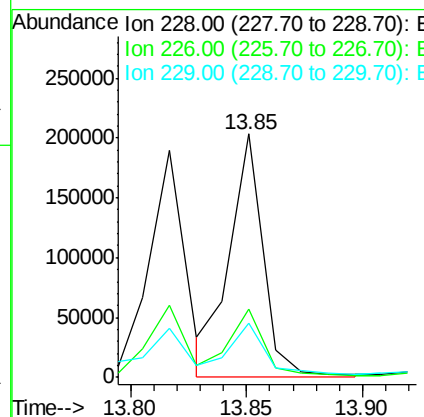
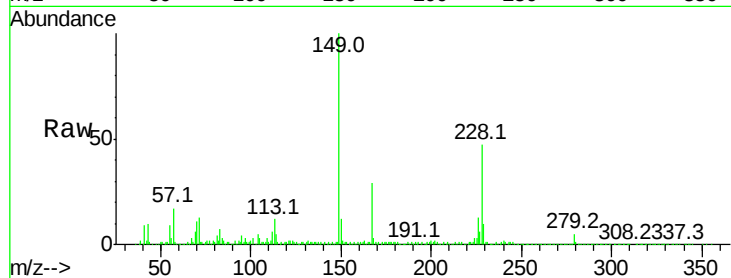
Client Sampled :

A-1(0-5)

Tot Ion:	228	Resp:	204599
Ion Ratio	Lower	Upper	
228	100		
226	28.2	25.4	38.0
229	22.1	16.5	24.7

Manual Integrations
APPROVED

sohil
8/22/2016 3:48:23 PM



#83

Bis(2-ethylhexyl)phthalate

Concen: 17.12 ng/mL

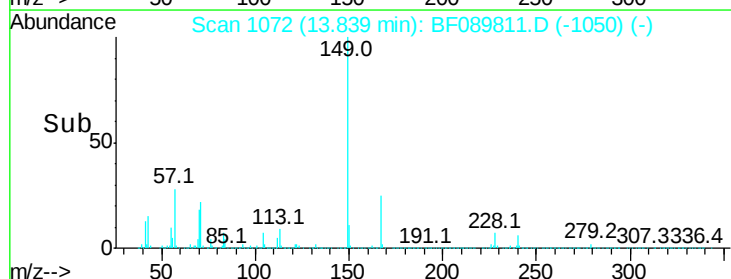
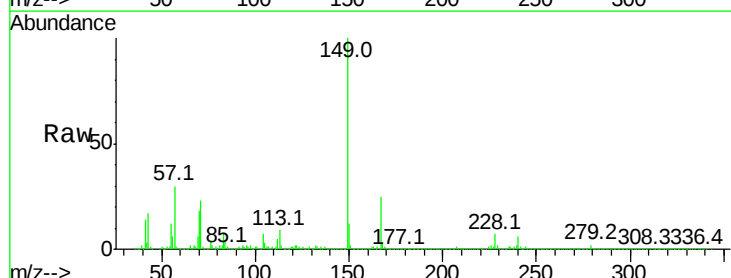
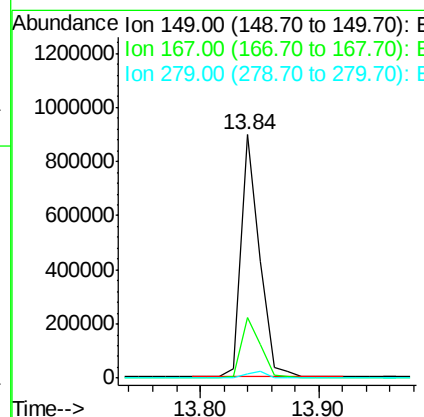
RT: 13.84 min Scan# 1072

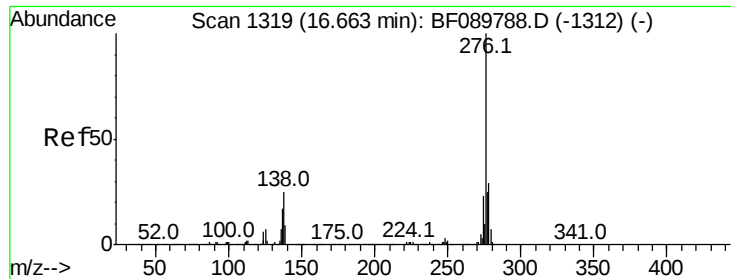
Delta R.T. -0.05 min

Lab File: BF089811.D

Acq: 19 Aug 2016 22:13

Tgt Ion:	149	Resp:	971150
Ion Ratio	Lower	Upper	
149	100		
167	25.1	21.2	31.8
279	1.9	2.9	4.3#





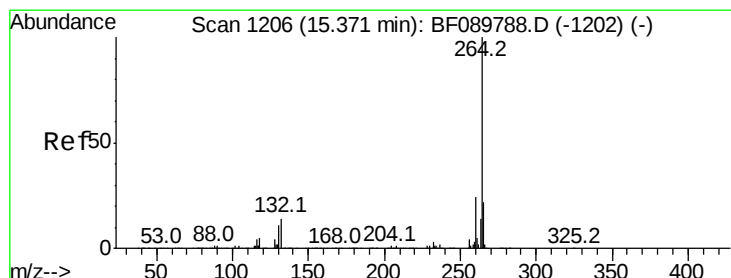
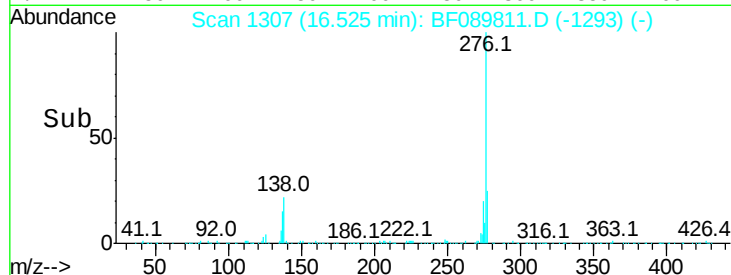
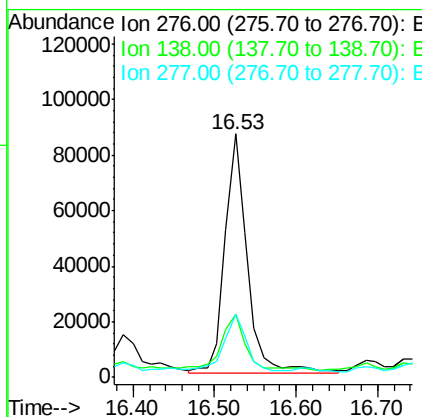
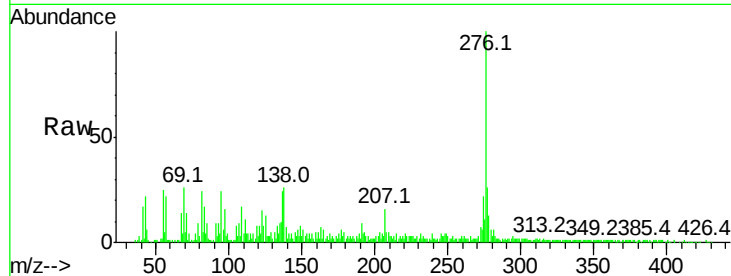
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.33 ng
 RT: 16.53 min Scan# 1307
 Delta R.T. -0.14 min
 Lab File: BF089811.D
 Acq: 19 Aug 2016 22:13

Instrument :
 BNA_F
 ClientSampleId :
 A-1(0-5)

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.0	24.6	36.8
277	26.6	20.4	30.6

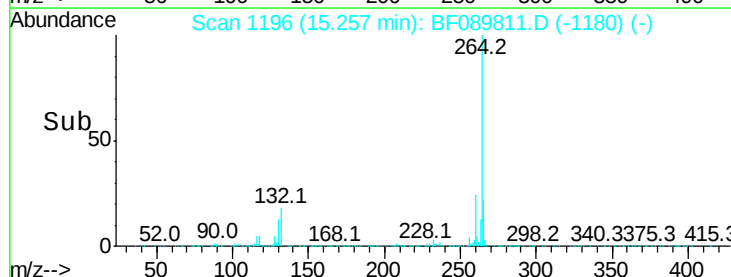
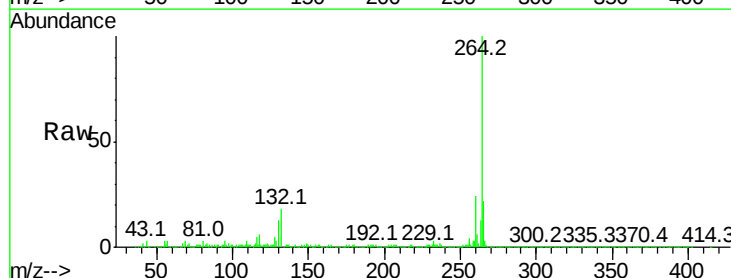
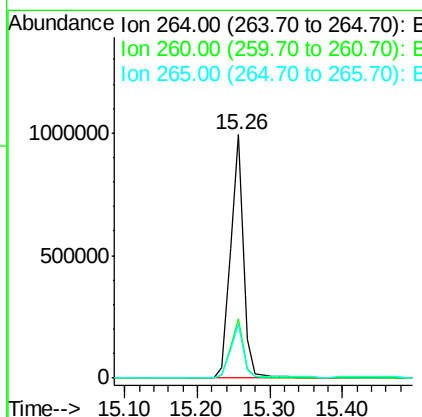
Manual Integrations
 APPROVED

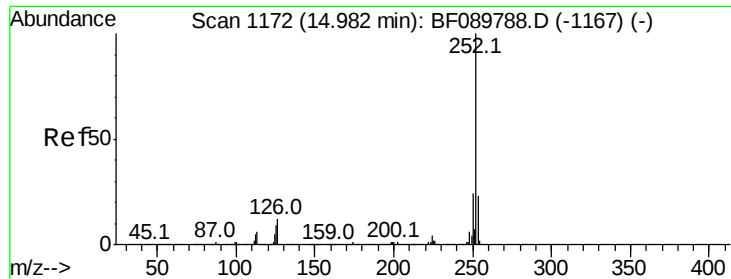
sohil
 8/22/2016 3:48:23 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.26 min Scan# 1196
 Delta R.T. -0.11 min
 Lab File: BF089811.D
 Acq: 19 Aug 2016 22:13

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	20.2	30.2
265	22.3	17.4	26.2





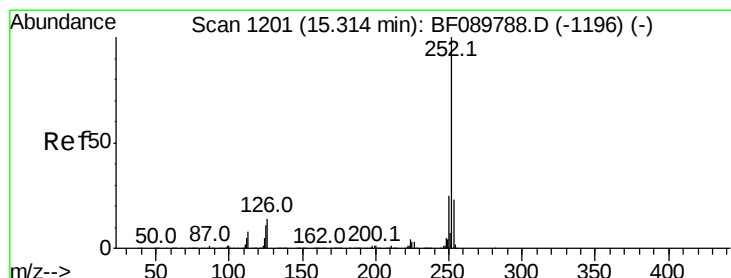
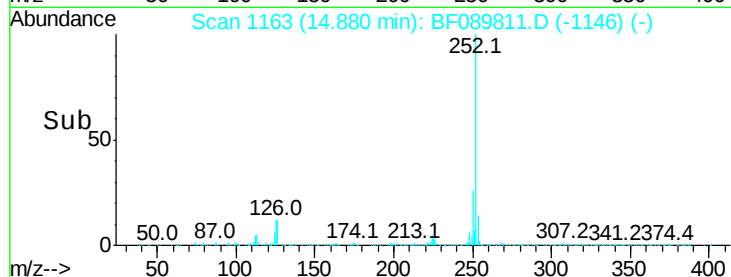
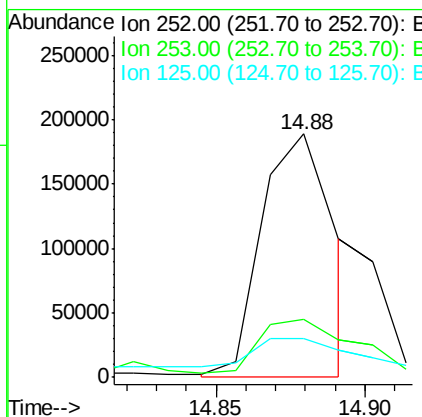
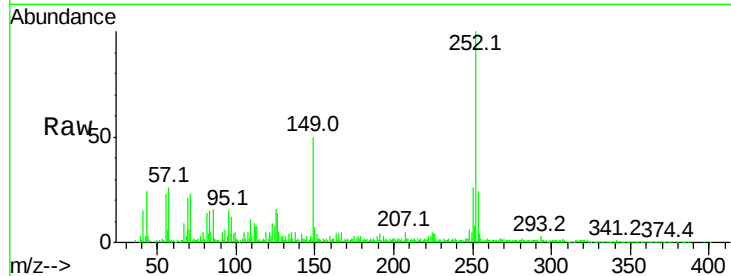
#87
Benzo(b)fluoranthene
Concen: 4.79 ng m
RT: 14.88 min Scan# 1163
Delta R.T. -0.10 min
Lab File: BF089811.D
Acq: 19 Aug 2016 22:13

Instrument :
BNA_F
ClientSampled :
A-1(0-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.8
125	16.2	11.4	17.2

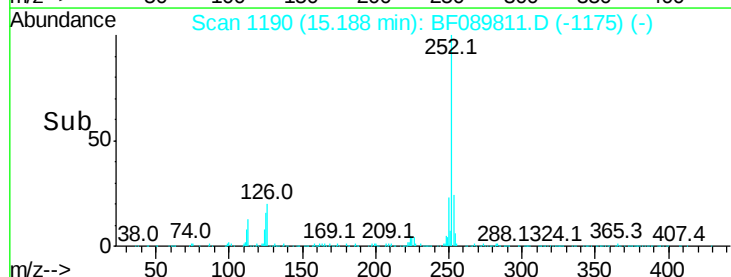
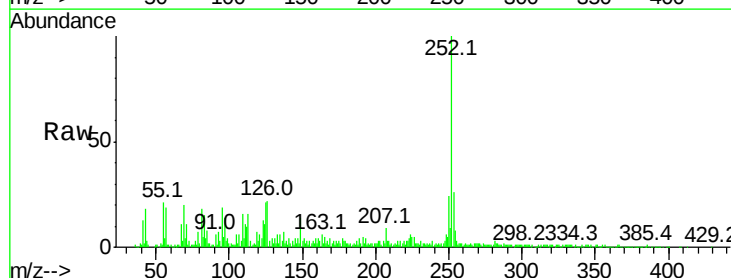
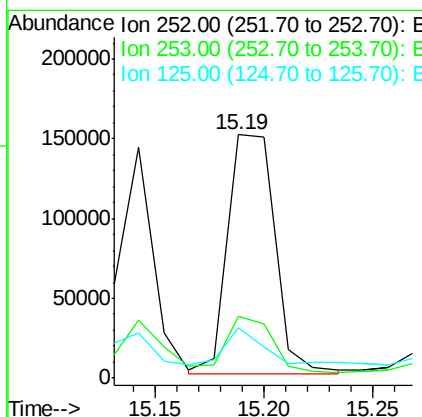
Manual Integrations
APPROVED

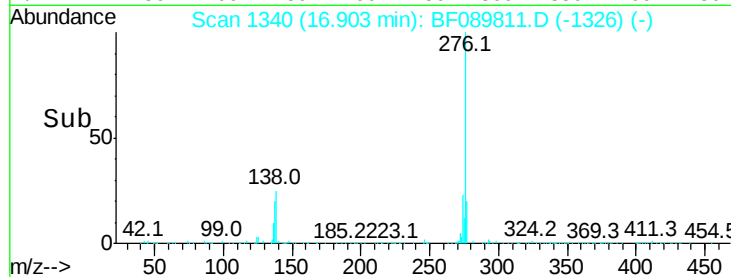
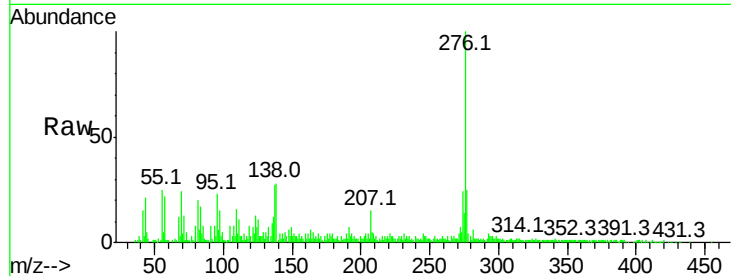
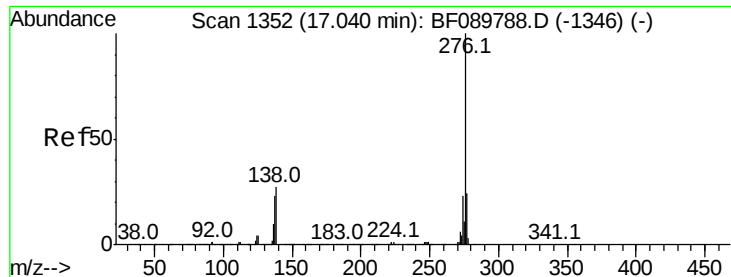
sohil
8/22/2016 3:48:23 PM



#89
Benzo(a)pyrene
Concen: 3.59 ng
RT: 15.19 min Scan# 1190
Delta R.T. -0.13 min
Lab File: BF089811.D
Acq: 19 Aug 2016 22:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.8	26.8
125	20.8	11.7	17.5





#91
 Benzo(a,h,i)perylene
 Concen: 2.24 ng
 RT: 16.90 min Scan# 1340
 Delta R.T. -0.14 min
 Lab File: BF089811.D
 Acq: 19 Aug 2016 22:13

Instrument :
 BNA_F
 ClientSampleId :
 A-1(0-5)

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.2	28.8
138	28.2	22.1	33.1

Manual Integrations
 APPROVED

sohil
 8/22/2016 3:48:23 PM

