

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081016\
 Data File : BF089710.D
 Acq On : 10 Aug 2016 22:47
 Operator : UM/SJ
 Sample : H4400-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DEL1-BASE(66)

Manual Integrations
 APPROVED

sohil
 8/11/2016 5:52:16 PM

Quant Time: Aug 11 02:12:44 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 11 01:52:35 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	51629	20.00	ng	0.00
21) Naphthalene-d8	9.43	136	212331	20.00	ng	-0.01
38) Acenaphthene-d10	12.25	164	93296	20.00	ng	-0.01
63) Phenanthrene-d10	14.64	188	148718	20.00	ng	-0.01
75) Chrysene-d12	18.35	240	116662	20.00	ng	-0.01
86) Perylene-d12	20.02	264	109946	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	127155	41.28	ng	0.01
7) Phenol-d6	6.96	99	406226	97.21	ng	-0.01
23) Nitrobenzene-d5	8.31	82	257149	66.99	ng	-0.02
41) 2,4,6-Tribromophenol	13.54	330	12724	16.53	ng	-0.01
44) 2-Fluorobiphenyl	11.21	172	463349	64.55	ng	-0.01
78) Terphenyl-d14	17.02	244	294418	49.82	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	11.90	163	110471	15.11	ng	98
70) Phenanthrene	14.69	178	76258	9.43	ng	98
71) Anthracene	14.78	178	22129m	2.55	ng	
74) Fluoranthene	16.46	202	109151	13.13	ng	98
77) Pyrene	16.75	202	97900	9.49	ng	# 93
80) Benzo(a)anthracene	18.34	228	46237	6.90	ng	94
82) Chrysene	18.39	228	48142	6.85	ng	97
83) Bis(2-ethylhexyl)phthalate	18.45	149	12572	2.07	ng	# 94
85) Indeno(1,2,3-cd)pyrene	21.21	276	20895	3.91	ng	# 90
87) Benzo(b)fluoranthene	19.62	252	51688m	7.64	ng	
88) Benzo(k)fluoranthene	19.63	252	25716m	3.77	ng	
89) Benzo(a)pyrene	19.97	252	37453	5.92	ng	# 85
91) Benzo(g,h,i)perylene	21.54	276	21134	3.49	ng	95

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

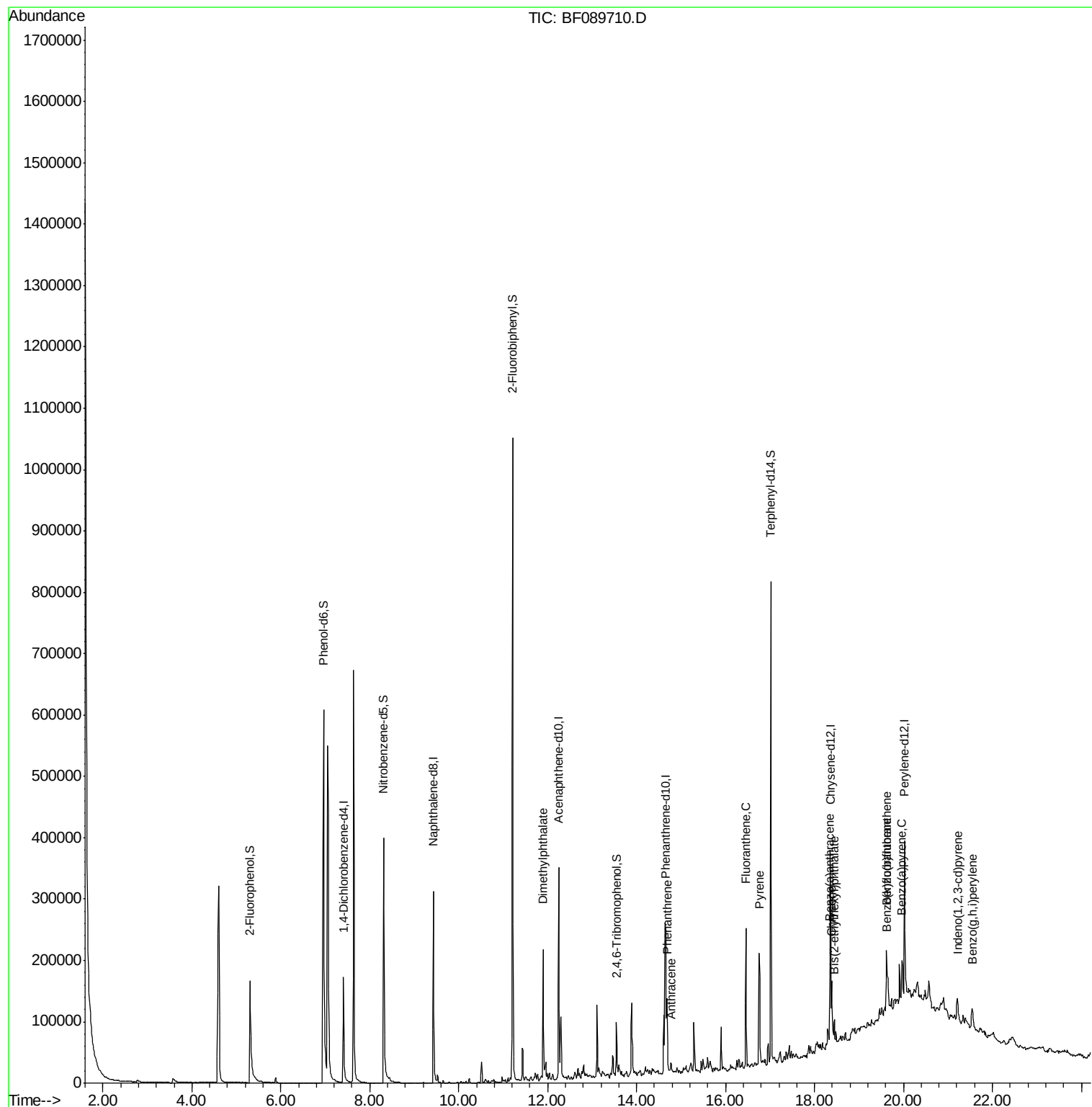
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081016\
Data File : BF089710.D
Acq On : 10 Aug 2016 22:47
Operator : UM/SJ
Sample : H4400-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

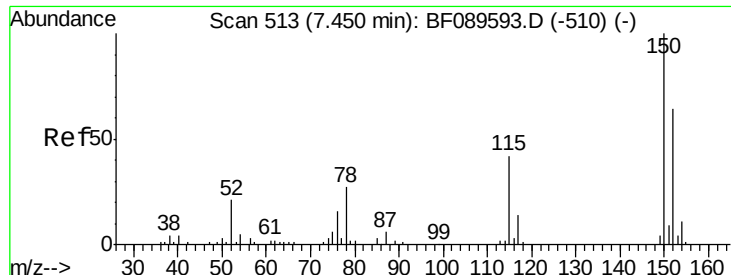
Instrument :
BNA_F
ClientSampleId :
DEL1-BASE(66)

Manual Integrations
APPROVED

sohil
8/11/2016 5:52:16 PM

Quant Time: Aug 11 02:12:44 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 11 01:52:35 2016
Response via : Initial Calibration





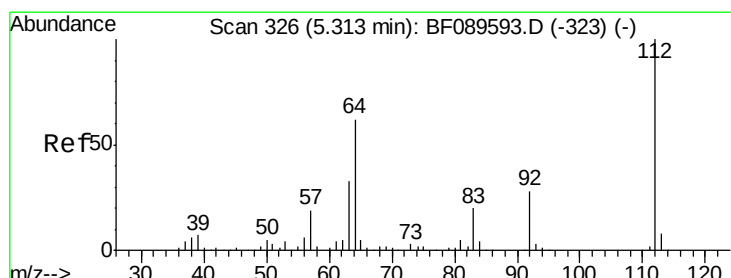
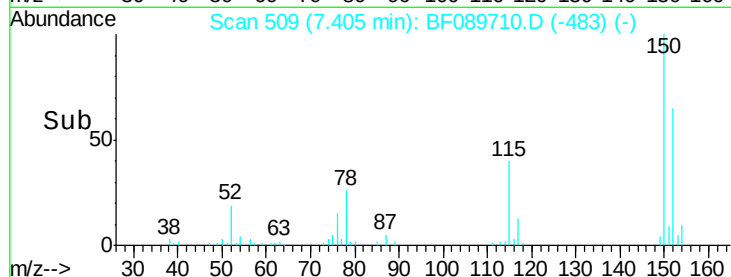
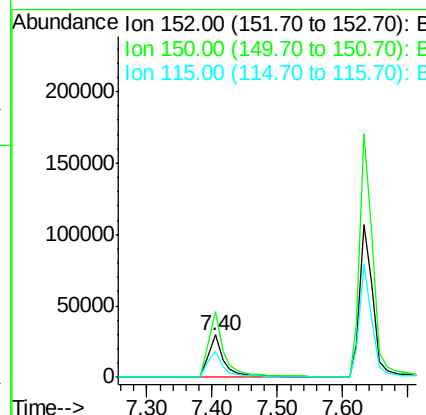
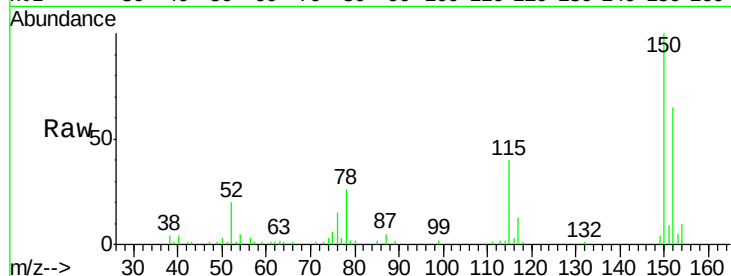
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.40 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: BF089710.D
 Acq: 10 Aug 2016 22:47

Instrument :
 BNA_F
 ClientSampleId :
 DEL1-BASE(66)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.8	125.5	188.3
115	61.8	52.0	78.0

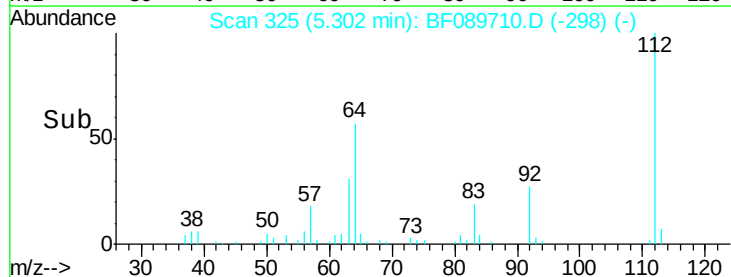
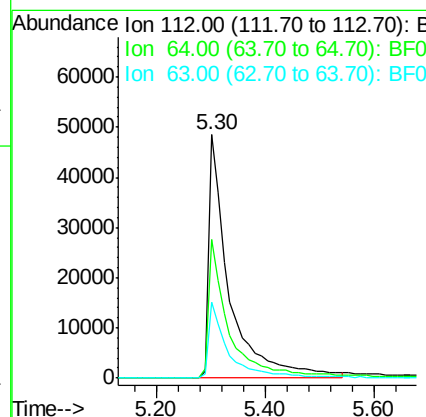
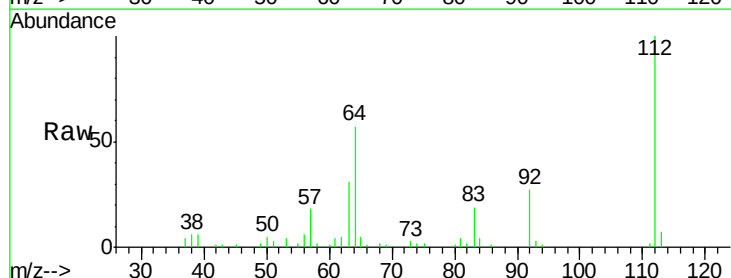
Manual Integrations
 APPROVED

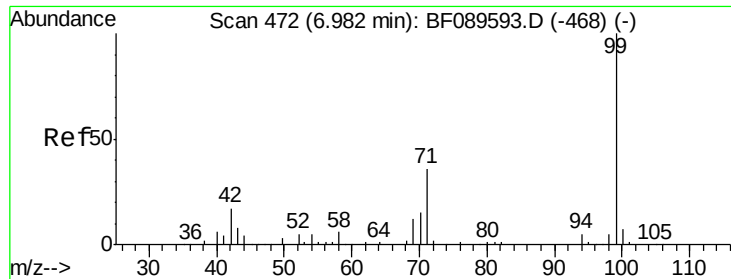
sohil
 8/11/2016 5:52:16 PM



#5
 2-Fluorophenol
 Concen: 41.28 ng
 RT: 5.30 min Scan# 325
 Delta R.T. 0.01 min
 Lab File: BF089710.D
 Acq: 10 Aug 2016 22:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.8	49.9	74.9
63	31.4	26.1	39.1





#7

Phenol-d6

Concen: 97.21 ng

RT: 6.96 min Scan# 470

Delta R.T. -0.01 min

Lab File: BF089710.D

Acq: 10 Aug 2016 22:47

Instrument :

BNA_F

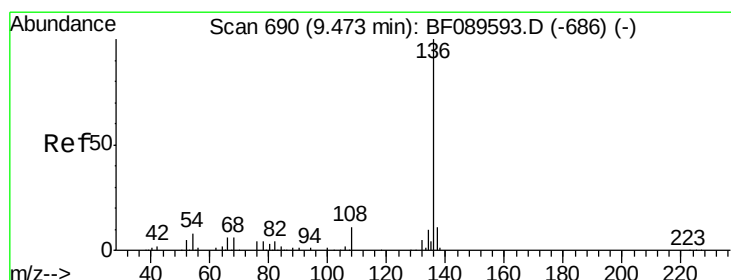
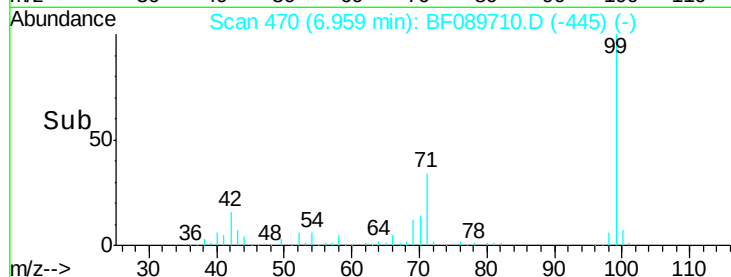
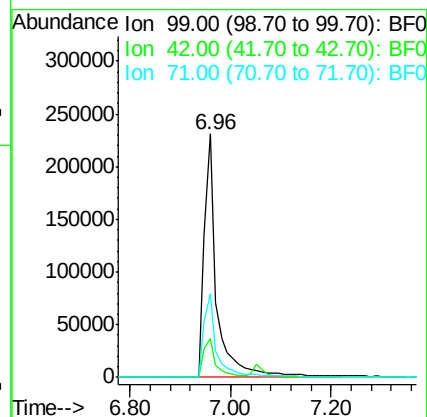
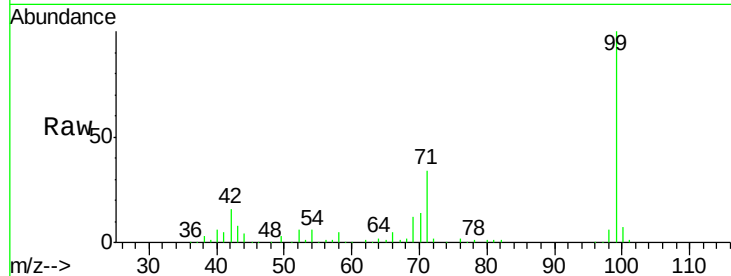
ClientSampleId :

DEL1-BASE(66)

Tgt Ion:	99	Resp:	406226
Ion Ratio	Lower	Upper	
99	100		
42	15.7	13.7	20.5
71	34.3	29.0	43.4

Manual Integrations
APPROVED

sohil
8/11/2016 5:52:16 PM



#21

Naphthalene-d8

Concen: 20.00 ng

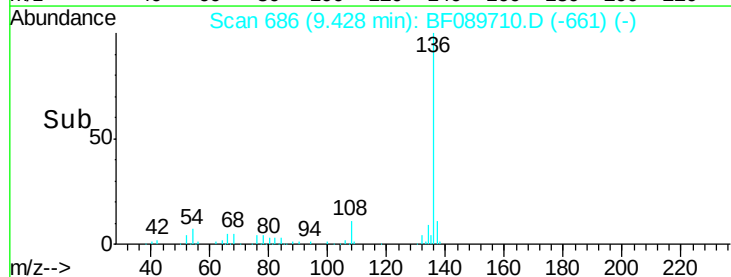
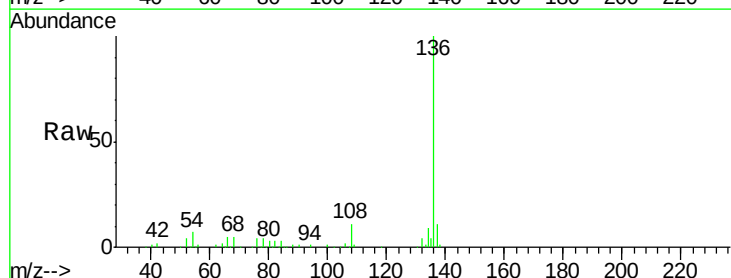
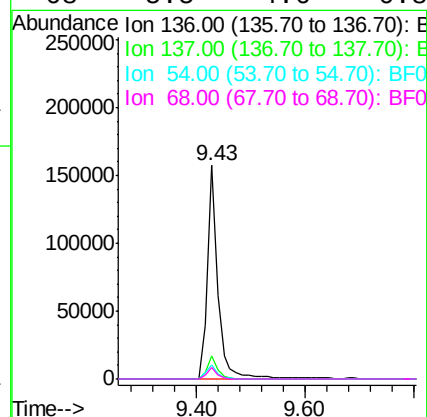
RT: 9.43 min Scan# 686

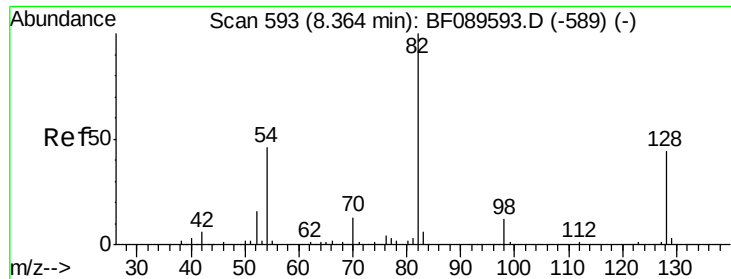
Delta R.T. -0.01 min

Lab File: BF089710.D

Acq: 10 Aug 2016 22:47

Tgt Ion:	136	Resp:	212331
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.6	12.8
54	6.8	6.0	9.0
68	5.5	4.6	6.8





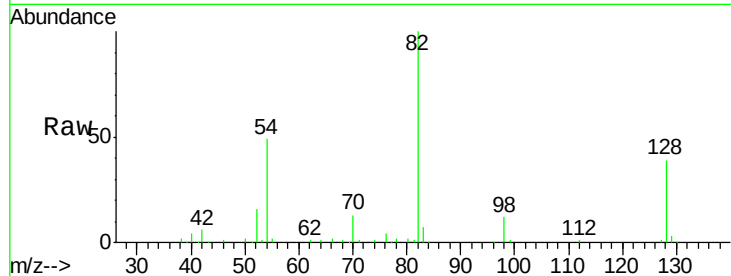
#23
 Nitrobenzene-d5
 Concen: 66.99 ng
 RT: 8.31 min Scan# 588
 Delta R.T. -0.02 min
 Lab File: BF089710.D
 Acq: 10 Aug 2016 22:47

Instrument :
 BNA_F
 ClientSampleId :
 DEL1-BASE(66)

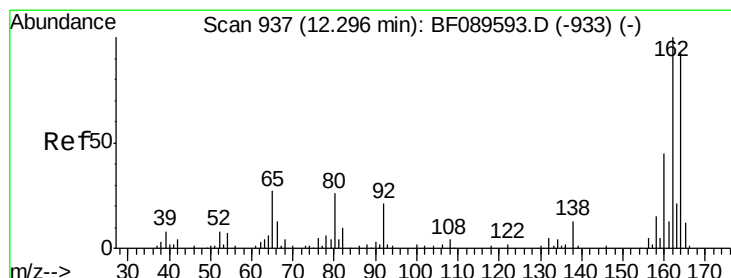
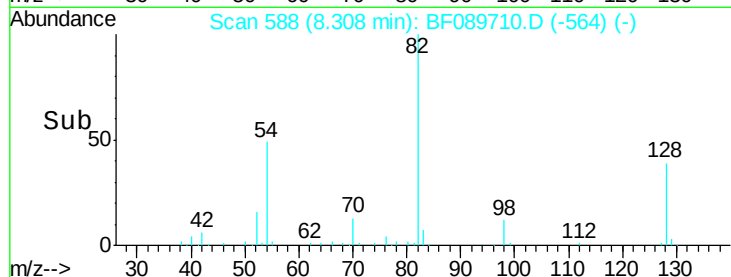
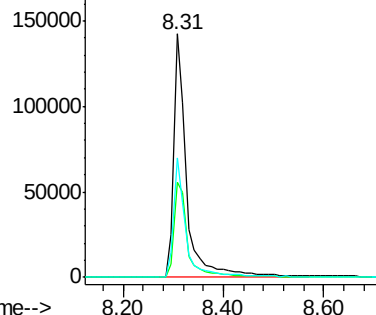
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	257149		
128	39.2	53.0	35.4	53.0
54	49.1	54.6	36.4	54.6

Manual Integrations
 APPROVED

sohil
 8/11/2016 5:52:16 PM



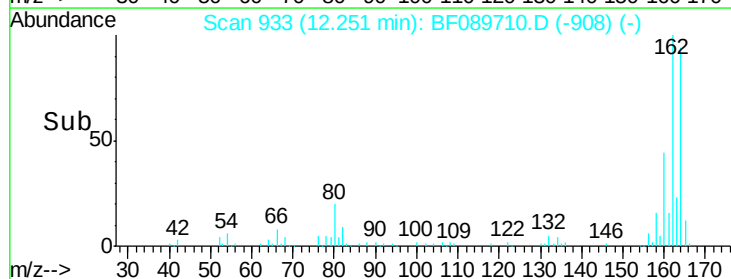
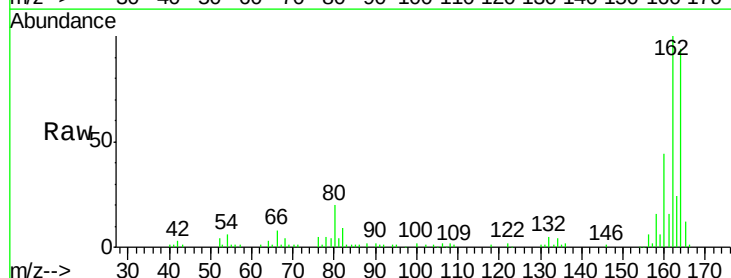
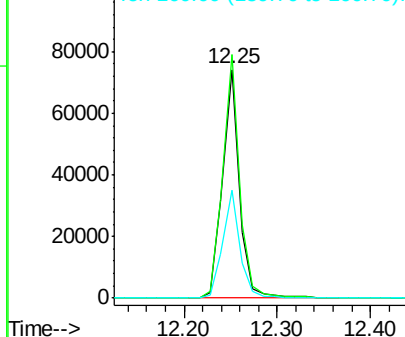
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

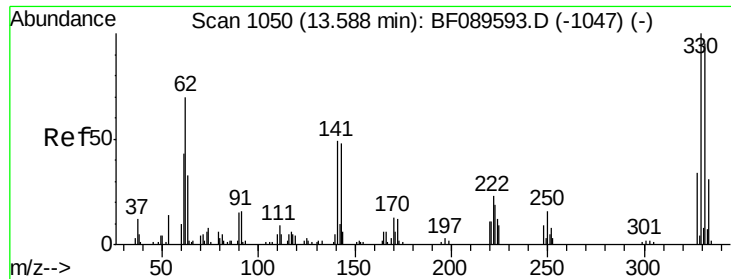


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.25 min Scan# 933
 Delta R.T. -0.01 min
 Lab File: BF089710.D
 Acq: 10 Aug 2016 22:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	93296		
162	106.5	128.5	85.7	128.5
160	47.2	57.4	38.2	57.4

Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





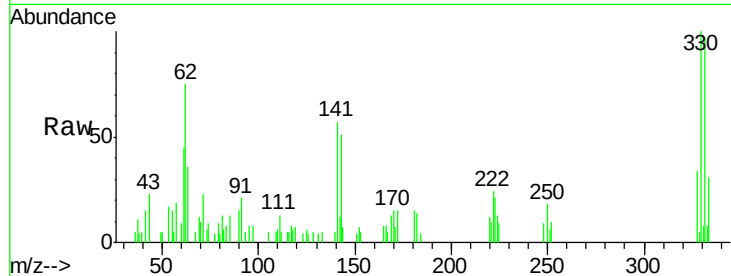
#41
 2,4,6-Tribromophenol
 Concen: 16.53 ng
 RT: 13.54 min Scan# 1046
 Delta R.T. -0.01 min
 Lab File: BF089710.D
 Acq: 10 Aug 2016 22:47

Instrument :
 BNA_F
 ClientSampleId :
 DEL1-BASE(66)

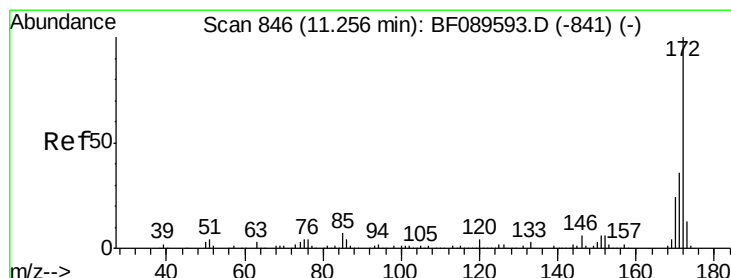
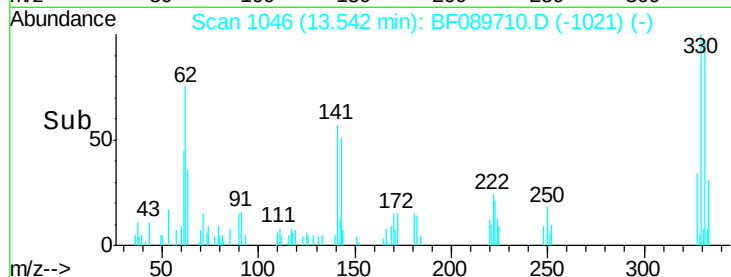
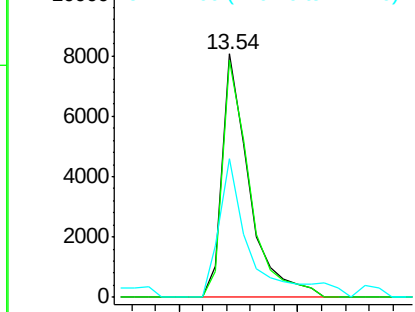
Tgt Ion: 330 Resp: 12724
 Ion Ratio Lower Upper
 330 100
 332 98.5 77.0 115.6
 141 65.3 38.6 57.8#

Manual Integrations
 APPROVED

sohil
 8/11/2016 5:52:16 PM



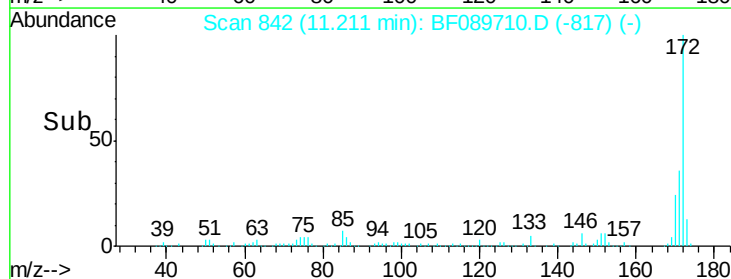
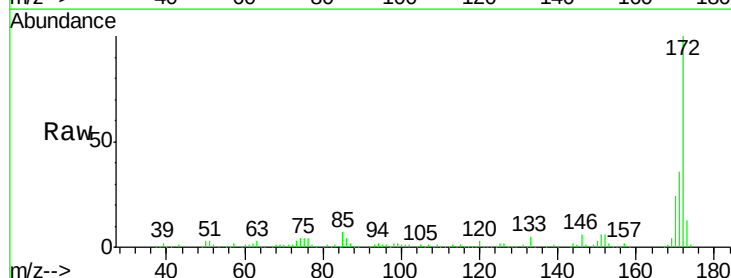
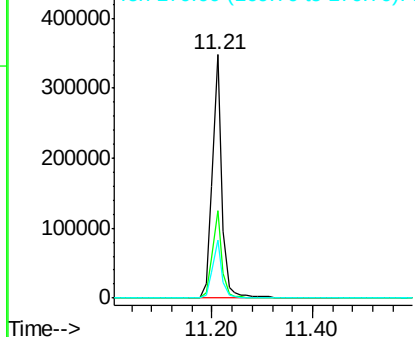
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

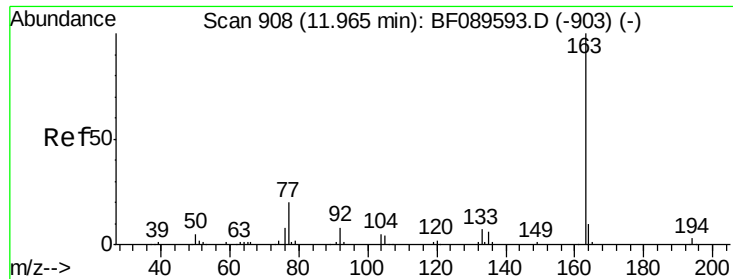


#44
 2-Fluorobiphenyl
 Concen: 64.55 ng
 RT: 11.21 min Scan# 842
 Delta R.T. -0.01 min
 Lab File: BF089710.D
 Acq: 10 Aug 2016 22:47

Tgt Ion: 172 Resp: 463349
 Ion Ratio Lower Upper
 172 100
 171 36.0 28.9 43.3
 170 23.6 19.0 28.6

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





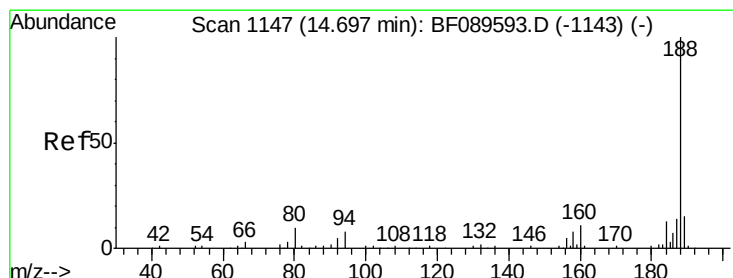
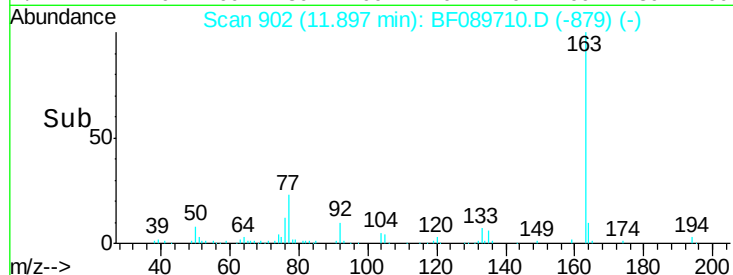
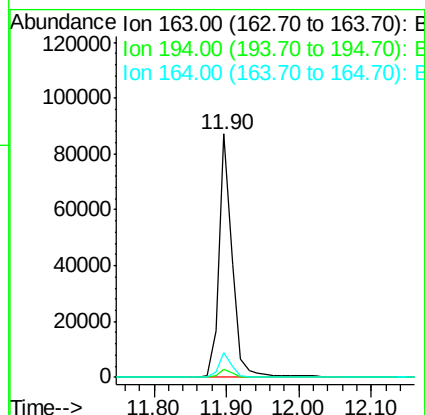
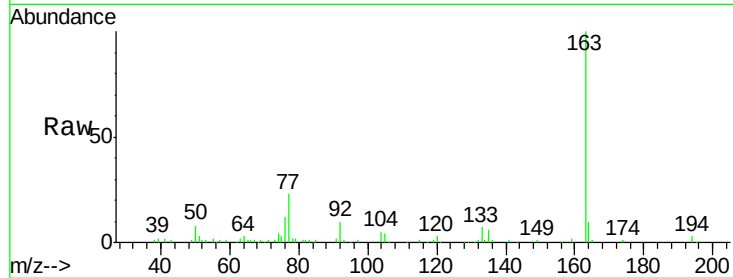
#49
Dimethylphthalate
Concen: 15.11 ng
RT: 11.90 min Scan# 902
Delta R.T. -0.03 min
Lab File: BF089710.D
Acq: 10 Aug 2016 22:47

Instrument :
BNA_F
ClientSampleId :
DEL1-BASE(66)

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	110471		
194	3.1	2.7	4.1	
164	10.4	7.8	11.6	

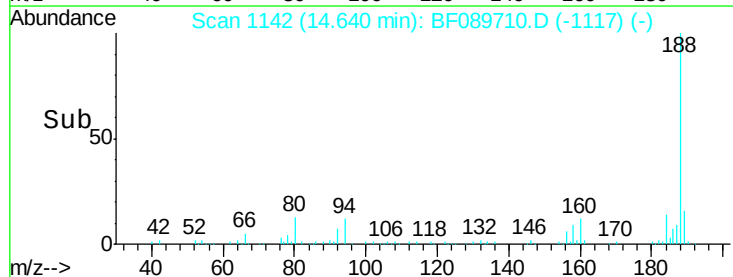
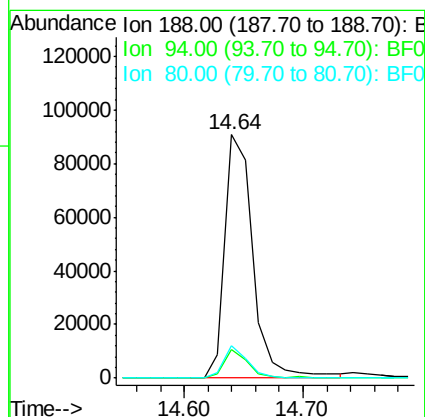
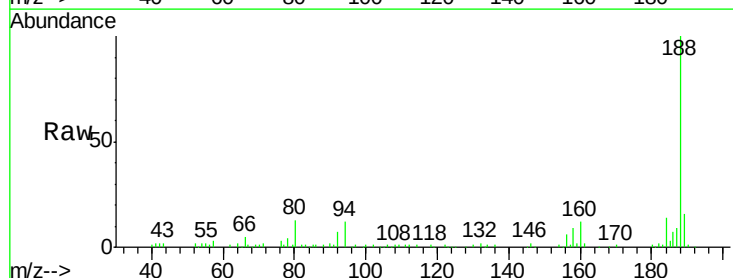
Manual Integrations
APPROVED

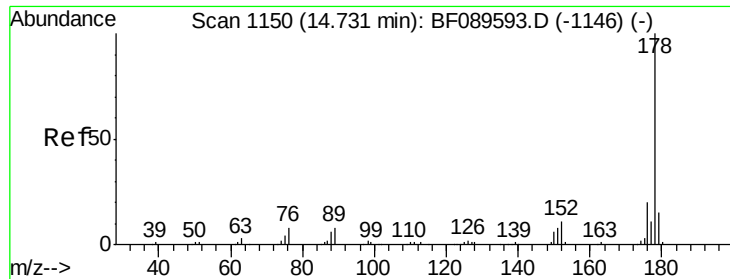
sohil
8/11/2016 5:52:16 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.64 min Scan# 1142
Delta R.T. -0.01 min
Lab File: BF089710.D
Acq: 10 Aug 2016 22:47

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	148718		
94	11.7	6.5	9.7#	
80	13.4	8.0	12.0#	





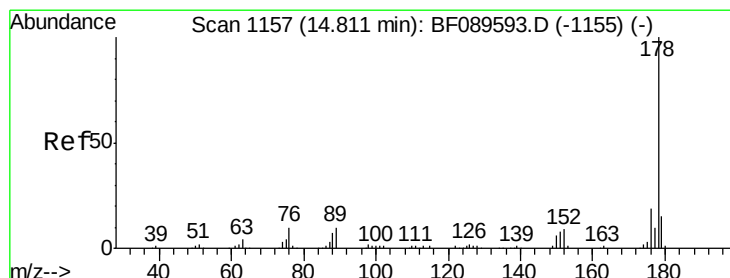
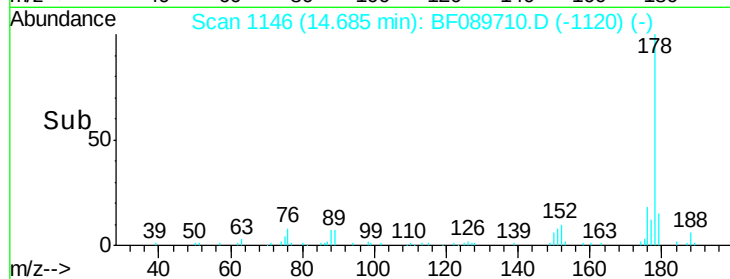
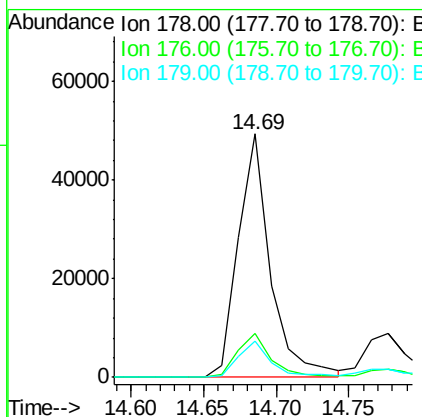
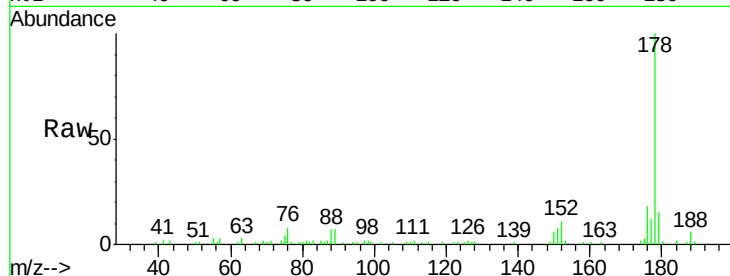
#70
Phenanthrene
Concen: 9.43 ng
RT: 14.69 min Scan# 1146
Delta R.T. 0.00 min
Lab File: BF089710.D
Acq: 10 Aug 2016 22:47

Instrument :
BNA_F
ClientSampleId :
DEL1-BASE(66)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.7	23.5
179	15.1	12.2	18.2

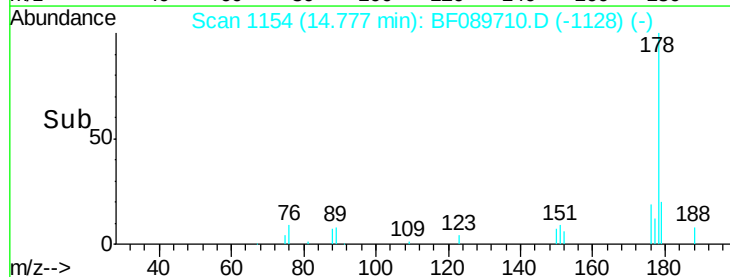
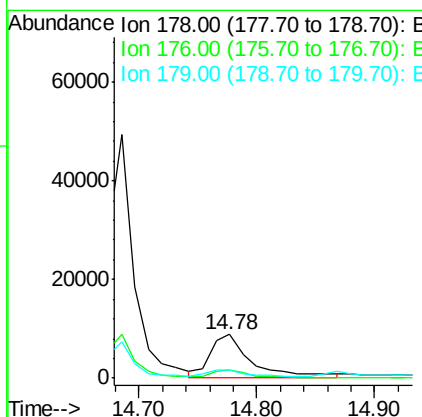
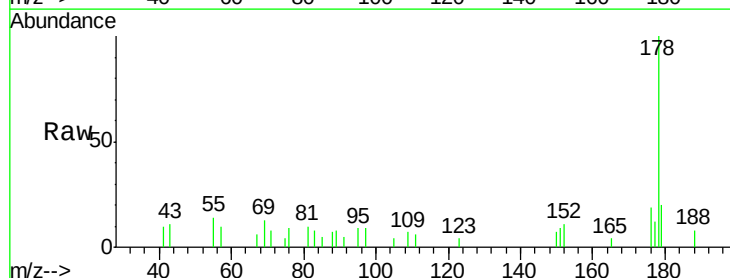
Manual Integrations
APPROVED

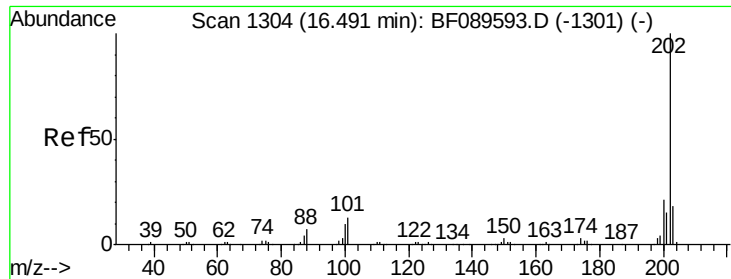
sohil
8/11/2016 5:52:16 PM



#71
Anthracene
Concen: 2.55 ng m
RT: 14.78 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BF089710.D
Acq: 10 Aug 2016 22:47

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.0	22.4
179	19.8	12.4	18.6#





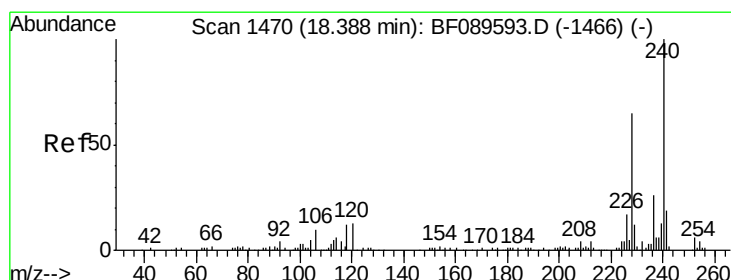
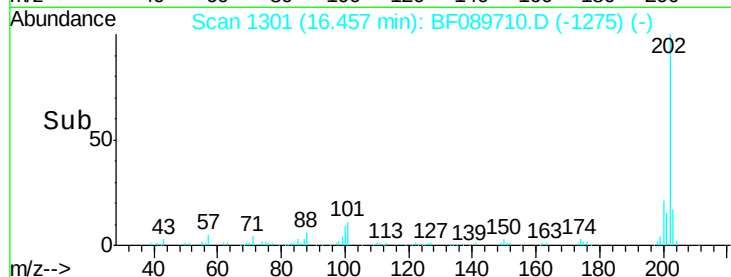
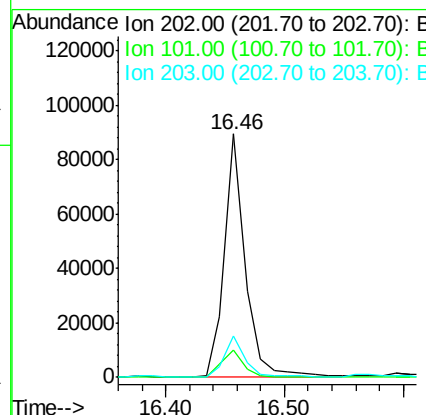
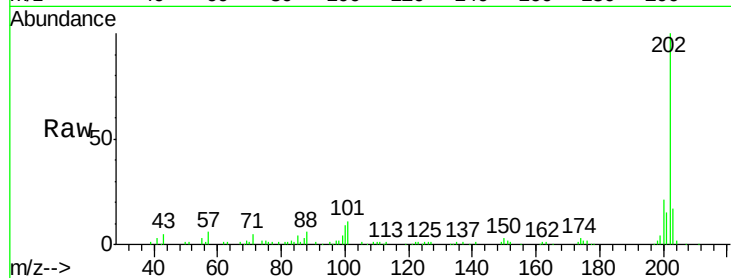
#74
 Fluoranthene
 Concen: 13.13 ng
 RT: 16.46 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: BF089710.D
 Acq: 10 Aug 2016 22:47

Instrument :
 BNA_F
 ClientSampleId :
 DEL1-BASE(66)

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	11.3	0.0	32.7
203	17.1	0.0	37.8

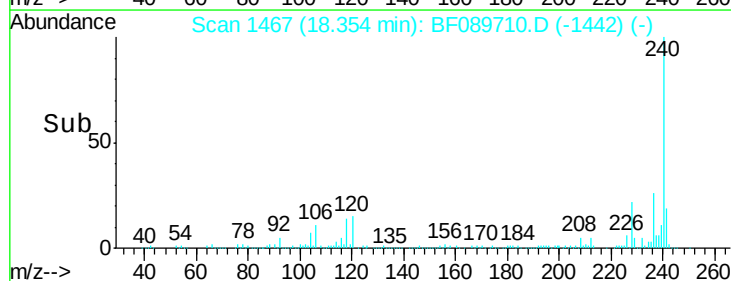
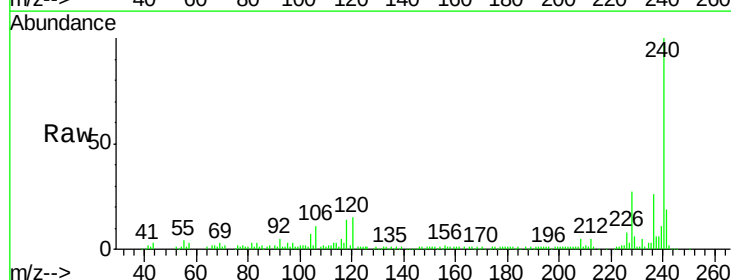
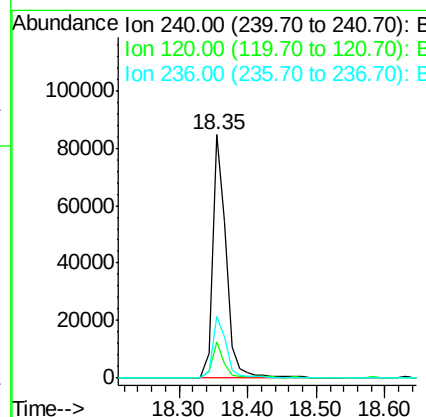
Manual Integrations
 APPROVED

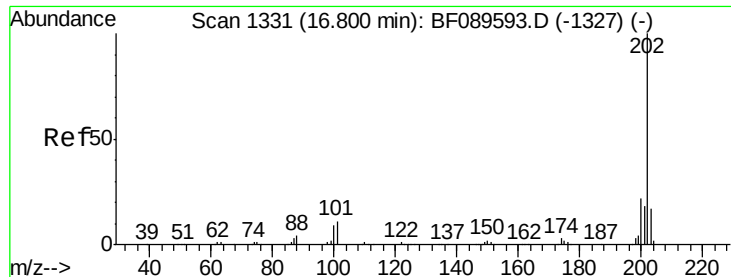
sohil
 8/11/2016 5:52:16 PM



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.35 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF089710.D
 Acq: 10 Aug 2016 22:47

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	14.8	10.6	15.8
236	25.6	20.6	30.8





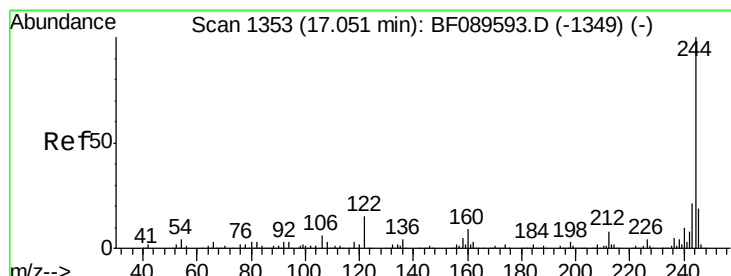
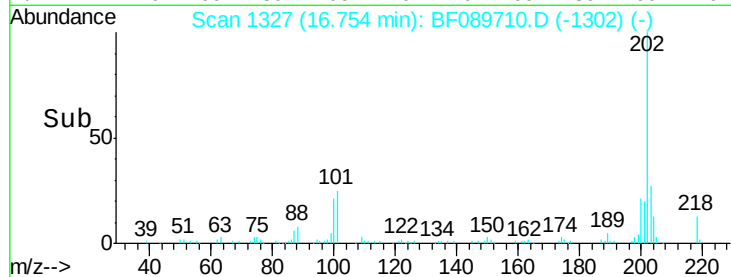
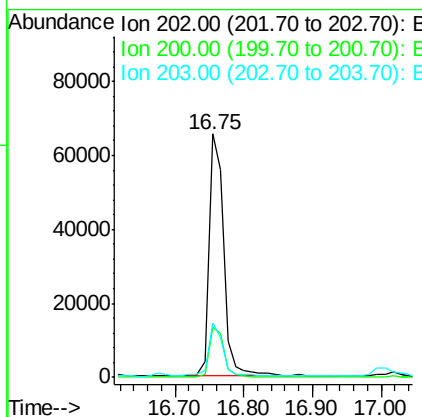
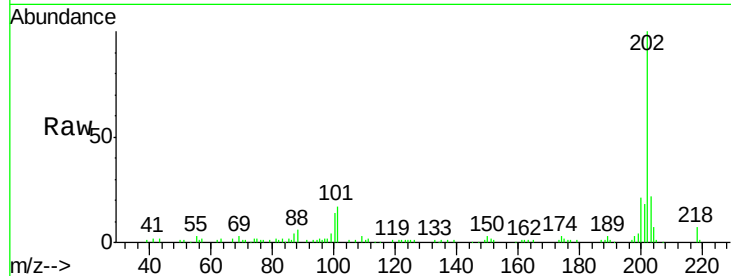
#77
 Pyrene
 Concen: 9.49 ng
 RT: 16.75 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF089710.D
 Acq: 10 Aug 2016 22:47

Instrument :
 BNA_F
 ClientSampleId :
 DEL1-BASE(66)

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.4	26.0
203	22.1	13.6	20.4

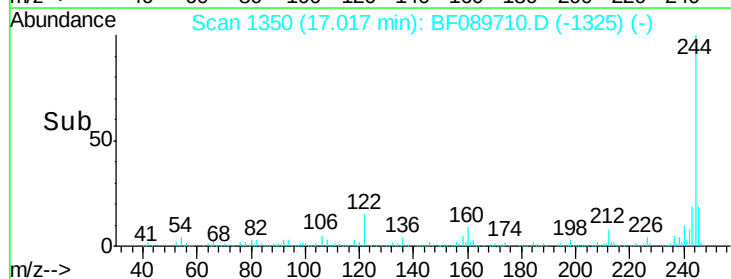
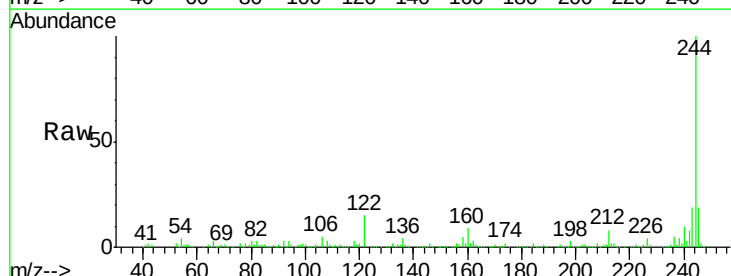
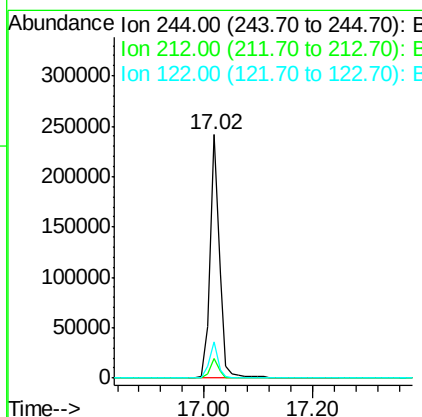
Manual Integrations
 APPROVED

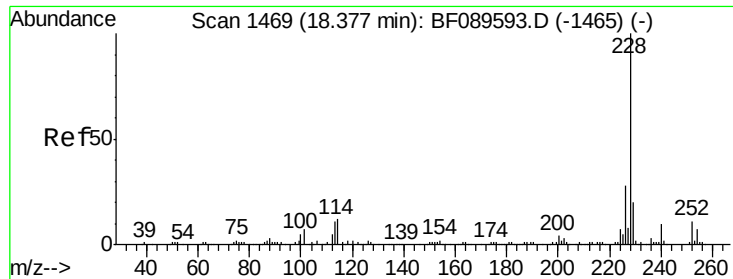
sohil
 8/11/2016 5:52:16 PM



#78
 Terphenyl-d14
 Concen: 49.82 ng
 RT: 17.02 min Scan# 1350
 Delta R.T. -0.01 min
 Lab File: BF089710.D
 Acq: 10 Aug 2016 22:47

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.4	9.6
122	14.8	12.2	18.2





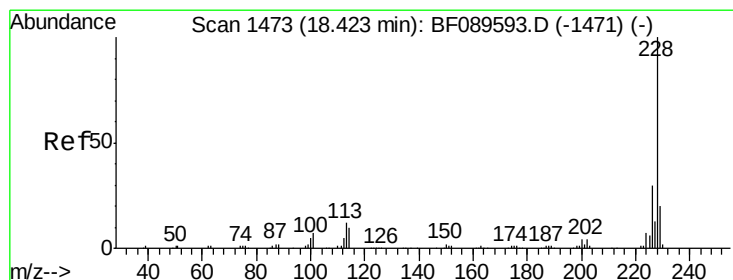
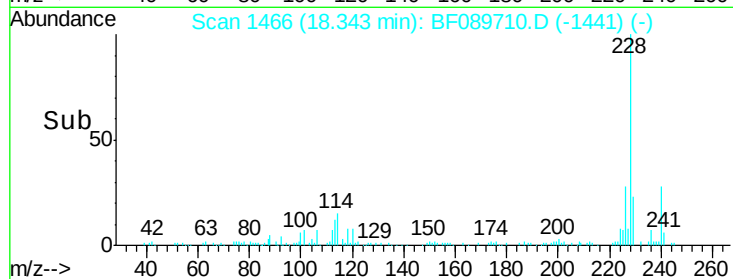
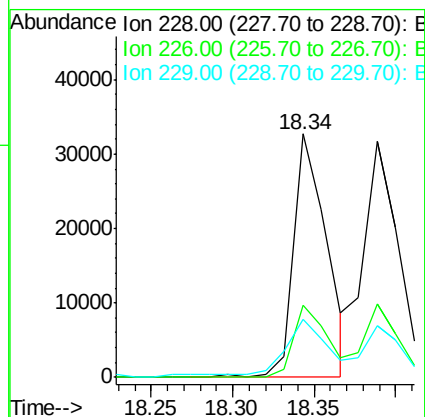
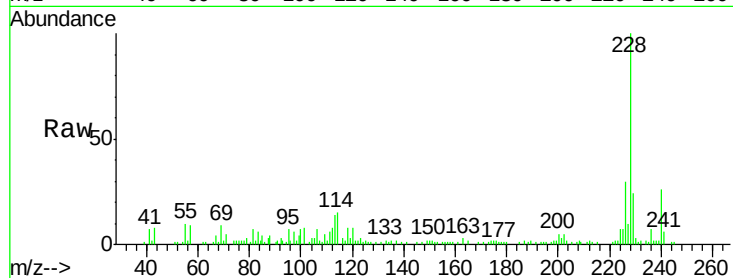
#80
Benzo(a)anthracene
Concen: 6.90 ng
RT: 18.34 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BF089710.D
Acq: 10 Aug 2016 22:47

Instrument :
BNA_F
ClientSampleId :
DEL1-BASE(66)

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.3	33.5
229	23.8	15.9	23.9

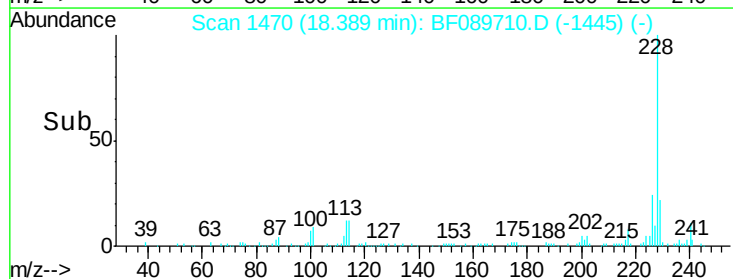
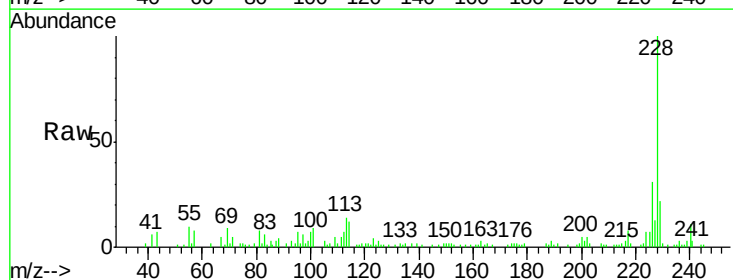
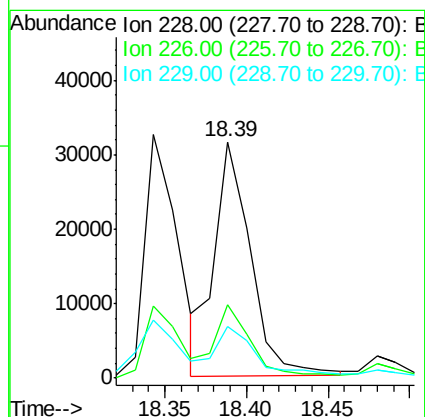
Manual Integrations
APPROVED

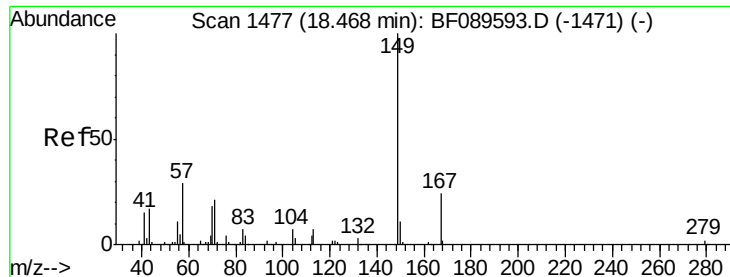
sohil
8/11/2016 5:52:16 PM



#82
Chrysene
Concen: 6.85 ng
RT: 18.39 min Scan# 1470
Delta R.T. -0.01 min
Lab File: BF089710.D
Acq: 10 Aug 2016 22:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.2	36.2
229	22.0	16.0	24.0





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.07 ng

RT: 18.45 min Scan# 1475

Delta R.T. 0.00 min

Lab File: BF089710.D

Acq: 10 Aug 2016 22:47

Instrument :

BNA_F

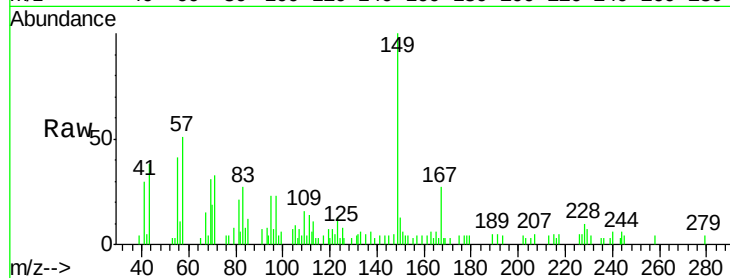
ClientSampleId :

DEL1-BASE(66)

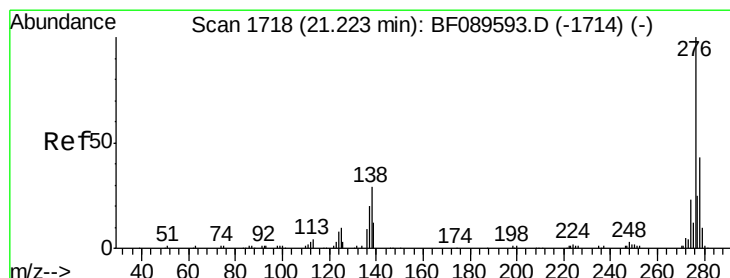
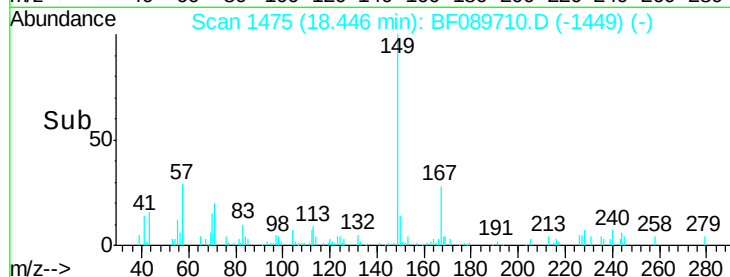
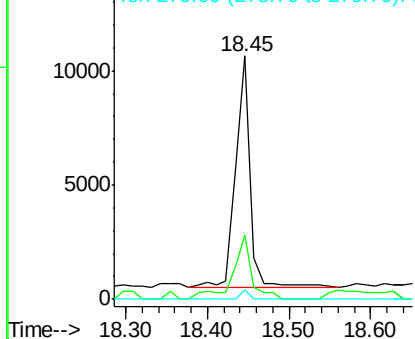
Tgt Ion:	149	Resp:	12572
Ion Ratio	Lower	Upper	
149	100		
167	26.6	19.0	28.4
279	3.8	1.8	2.6#

Manual Integrations
APPROVED

sohil
8/11/2016 5:52:16 PM



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.91 ng

RT: 21.21 min Scan# 1717

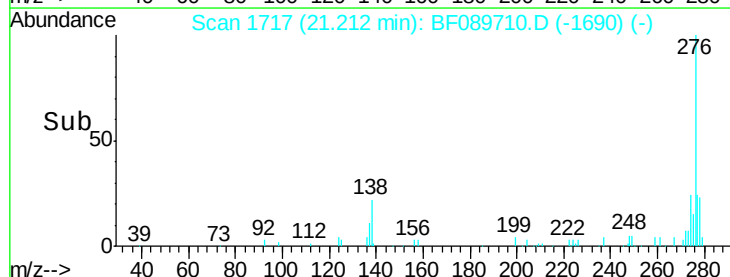
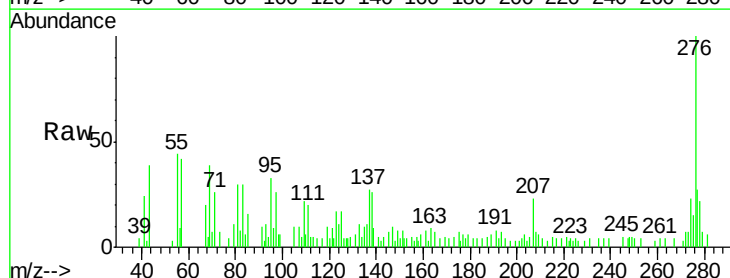
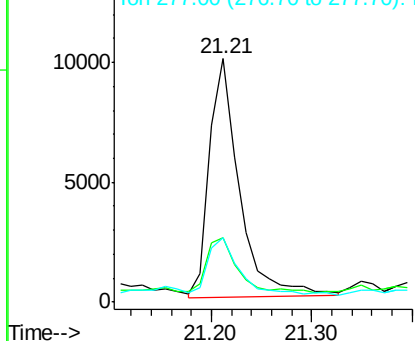
Delta R.T. 0.01 min

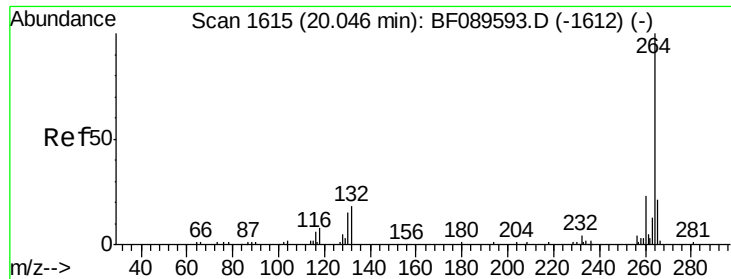
Lab File: BF089710.D

Acq: 10 Aug 2016 22:47

Tgt Ion:	276	Resp:	20895
Ion Ratio	Lower	Upper	
276	100		
138	23.2	23.8	35.8#
277	22.0	20.3	30.5

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





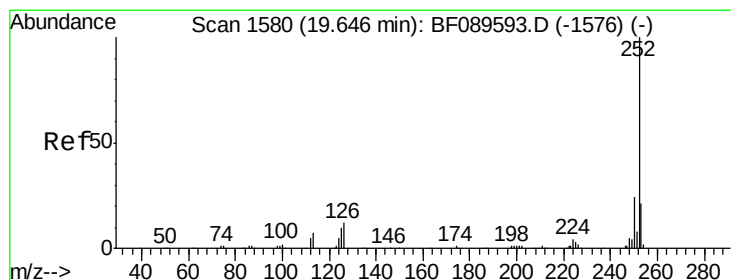
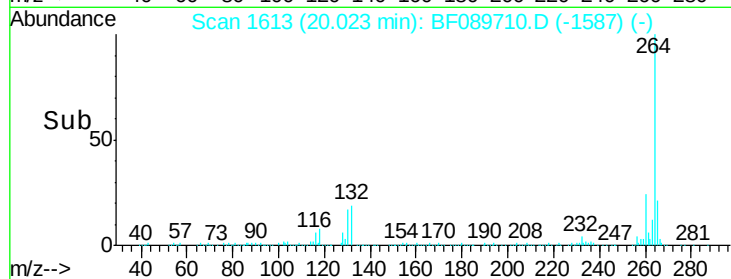
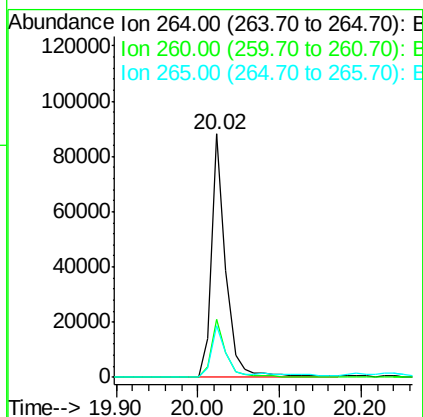
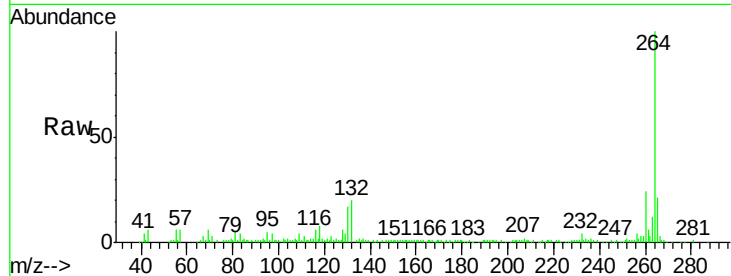
#86
Perylene-d12
Concen: 20.00 ng
RT: 20.02 min Scan# 1613
Delta R.T. 0.00 min
Lab File: BF089710.D
Acq: 10 Aug 2016 22:47

Instrument :
BNA_F
ClientSampleId :
DEL1-BASE(66)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.7	28.1
265	21.4	16.5	24.7

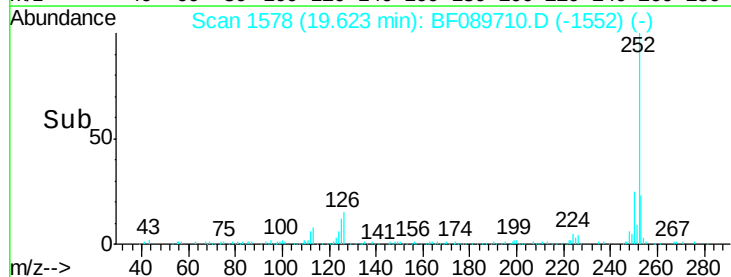
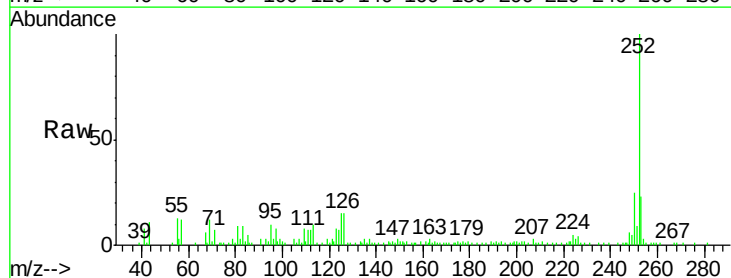
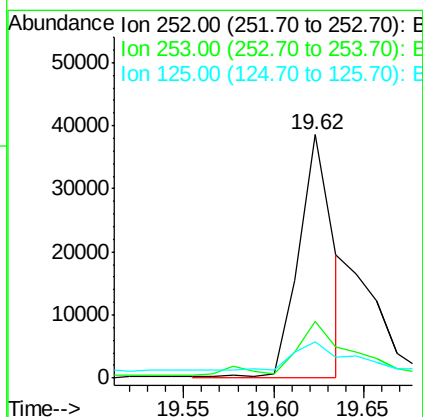
Manual Integrations
APPROVED

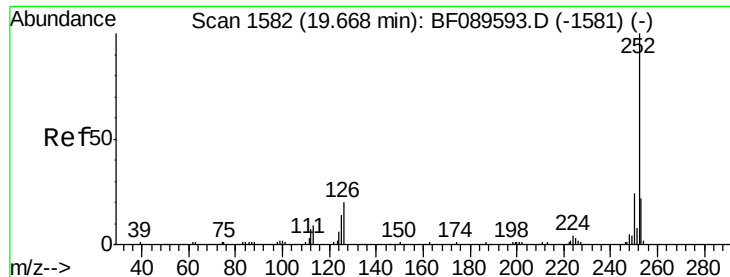
sohil
8/11/2016 5:52:16 PM



#87
Benzo(b)fluoranthene
Concen: 7.64 ng m
RT: 19.62 min Scan# 1578
Delta R.T. 0.00 min
Lab File: BF089710.D
Acq: 10 Aug 2016 22:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	14.8	7.8	11.8





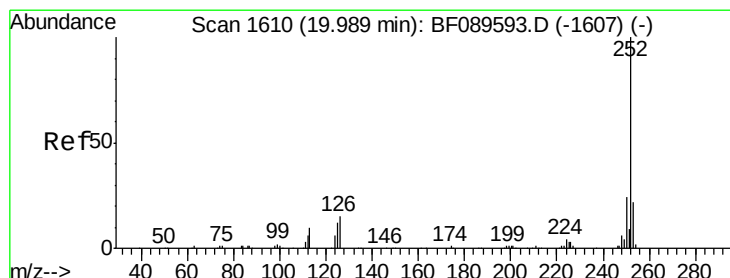
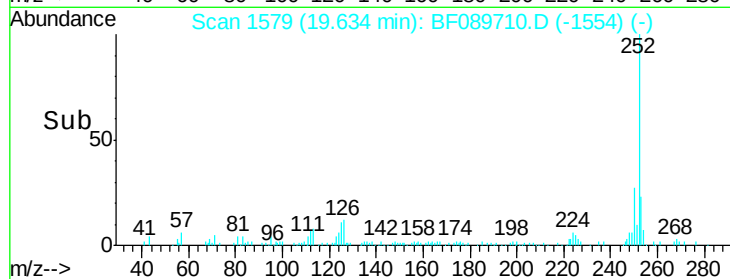
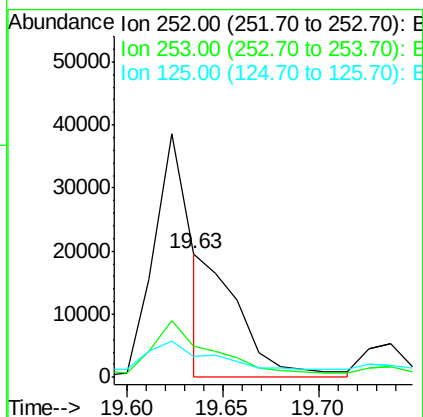
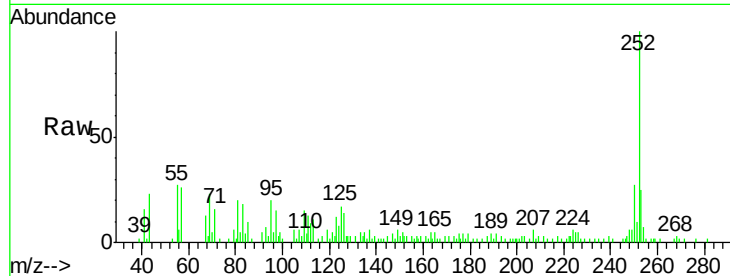
#88
Benzo(k)fluoranthene
Concen: 3.77 ng m
RT: 19.63 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF089710.D
Acq: 10 Aug 2016 22:47

Instrument :
BNA_F
ClientSampleId :
DEL1-BASE(66)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.3	25.9
125	17.1	11.0	16.6#

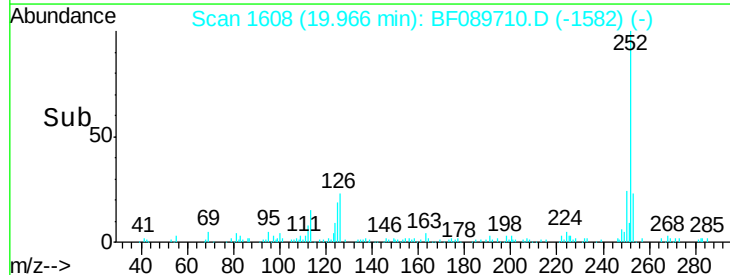
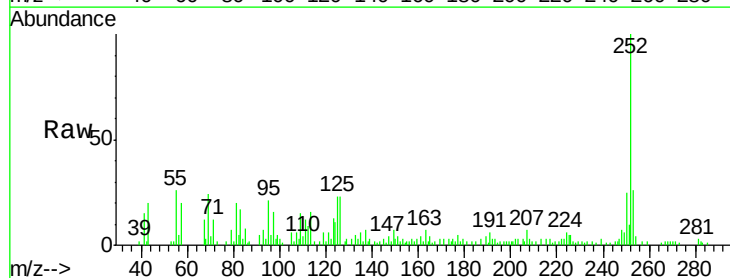
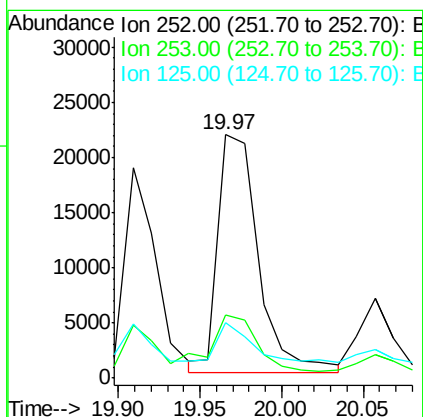
Manual Integrations
APPROVED

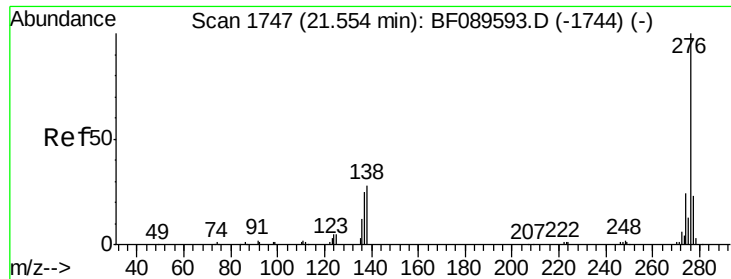
sohil
8/11/2016 5:52:16 PM



#89
Benzo(a)pyrene
Concen: 5.92 ng
RT: 19.97 min Scan# 1608
Delta R.T. 0.00 min
Lab File: BF089710.D
Acq: 10 Aug 2016 22:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.4	26.0
125	22.8	9.9	14.9#





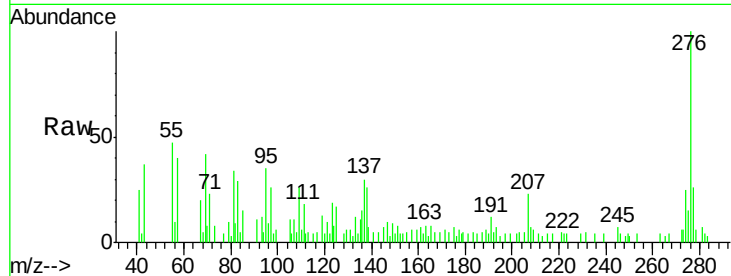
#91
 Benzo(g,h,i)perylene
 Concen: 3.49 ng
 RT: 21.54 min Scan# 1746
 Delta R.T. 0.01 min
 Lab File: BF089710.D
 Acq: 10 Aug 2016 22:47

Instrument :
 BNA_F
 ClientSampleId :
 DEL1-BASE(66)

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.0	18.6	28.0
138	26.2	22.6	33.8

Manual Integrations
 APPROVED

sohil
 8/11/2016 5:52:16 PM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

