

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080316\
 Data File : BF089577.D
 Acq On : 4 Aug 2016 3:50
 Operator : UM/SJ
 Sample : H4328-02 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PLSA-002(LEAF-MATERIAL)

Manual Integrations
 APPROVED

sohil
 8/4/2016 6:12:09 PM

Quant Time: Aug 04 08:09:50 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 04 07:58:27 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	43720	20.00	ng	-0.01
21) Naphthalene-d8	9.48	136	182043	20.00	ng	-0.01
38) Acenaphthene-d10	12.31	164	80363	20.00	ng	-0.01
63) Phenanthrene-d10	14.71	188	129465	20.00	ng	-0.01
75) Chrysene-d12	18.41	240	85938	20.00	ng	0.00
86) Perylene-d12	20.07	264	92287	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	41866	16.12	ng	0.02
7) Phenol-d6	7.00	99	65824	18.71	ng	0.00
23) Nitrobenzene-d5	8.38	82	37734	11.47	ng	0.00
41) 2,4,6-Tribromophenol	13.61	330	9875	15.47	ng	0.00
44) 2-Fluorobiphenyl	11.27	172	67278	10.87	ng	-0.01
78) Terphenyl-d14	17.06	244	35332	8.25	ng	-0.01
Target Compounds						
49) Dimethylphthalate	11.97	163	16848	2.74	ng	99
70) Phenanthrene	14.75	178	37567	5.43	ng	99
74) Fluoranthene	16.51	202	41647	5.95	ng	98
77) Pyrene	16.81	202	55311	7.24	ng	97
80) Benzo(a)anthracene	18.40	228	18002	3.59	ng	# 80
82) Chrysene	18.45	228	21142m	4.09	ng	
85) Indeno(1,2,3-cd)pyrene	21.28	276	11576m	3.19	ng	
87) Benzo(b)fluoranthene	19.67	252	17880m	3.17	ng	
89) Benzo(a)pyrene	20.02	252	17456	3.34	ng	# 80
91) Benzo(g,h,i)perylene	21.61	276	12846	2.48	ng	# 90

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

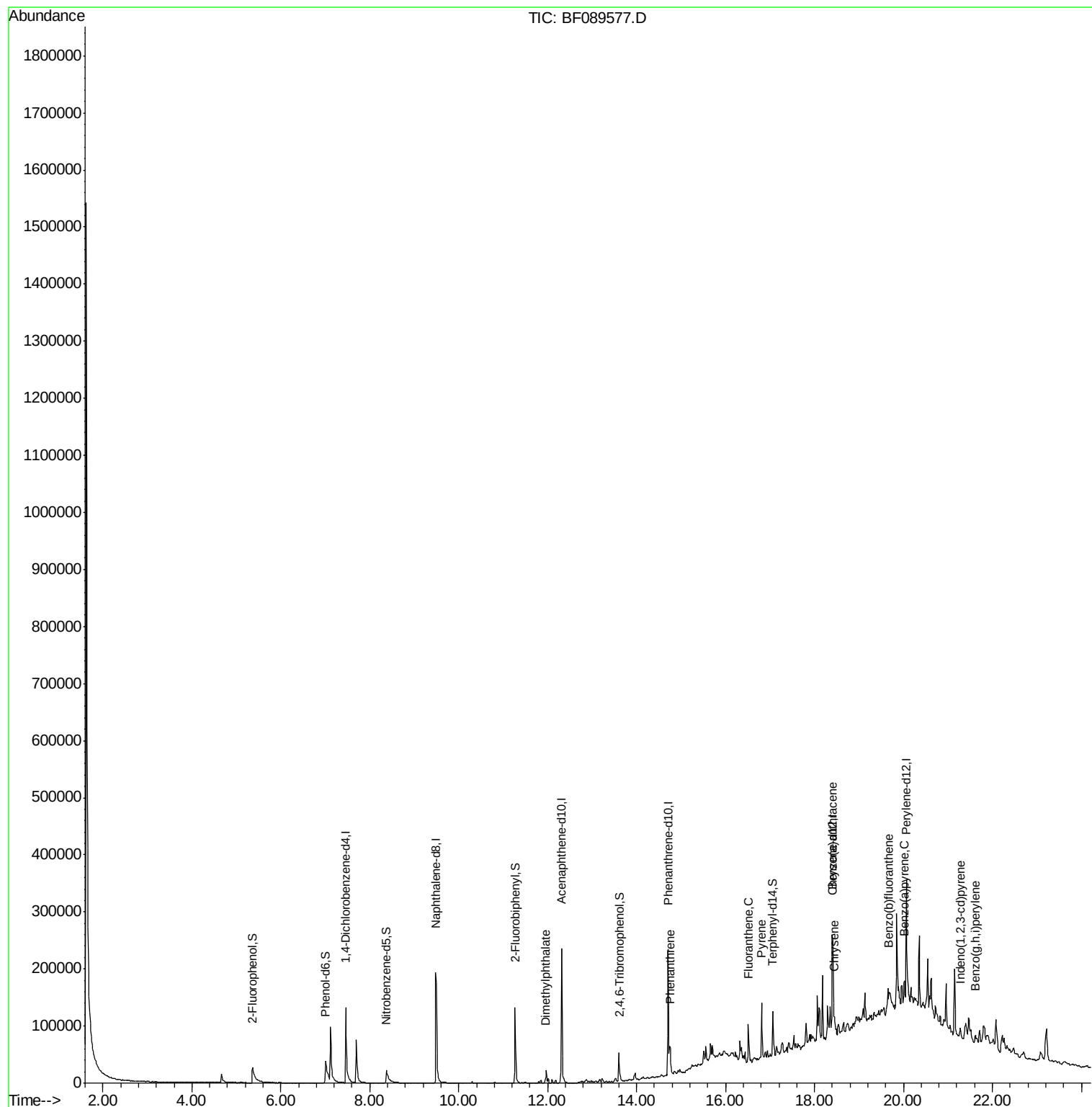
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080316\
Data File : BF089577.D
Acq On : 4 Aug 2016 3:50
Operator : UM/SJ
Sample : H4328-02 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

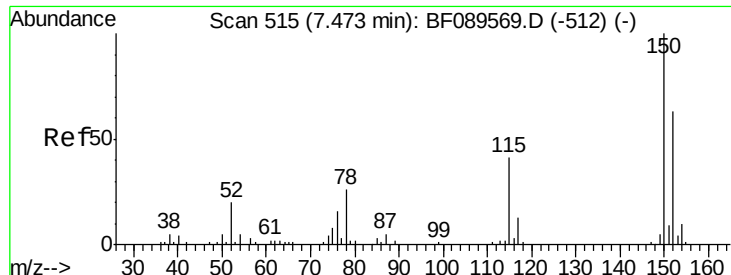
Instrument :
BNA_F
ClientSampleId :
PLSA-002(LEAF-MATERIAL)

Manual Integrations
APPROVED

sohil
8/4/2016 6:12:09 PM

Quant Time: Aug 04 08:09:50 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 04 07:58:27 2016
Response via : Initial Calibration





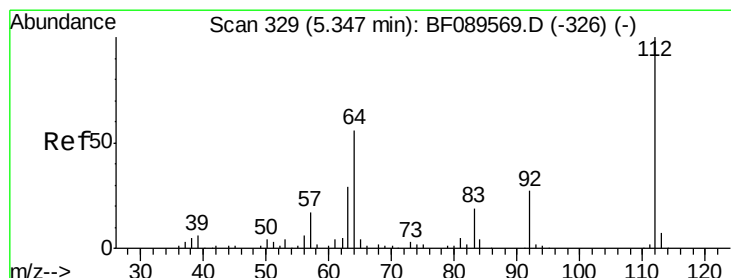
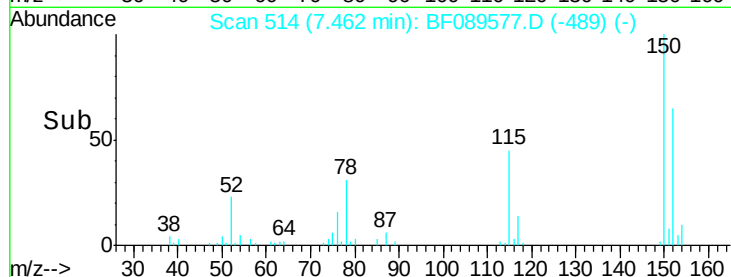
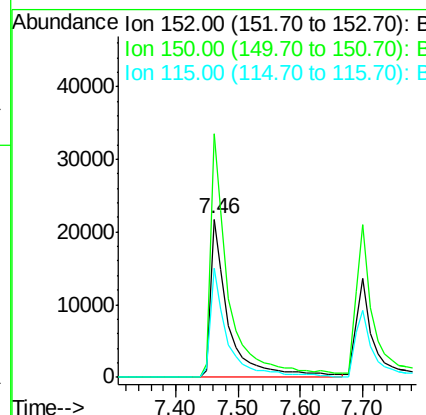
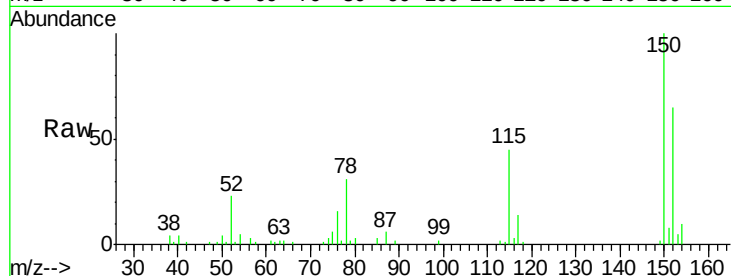
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.46 min Scan# 514
 Delta R.T. -0.01 min
 Lab File: BF089577.D
 Acq: 4 Aug 2016 3:50

Instrument :
 BNA_F
 ClientSampleId :
 PLSA-002(LEAF-MATERIAL)

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	127.4	191.2
115	68.8	51.8	77.8

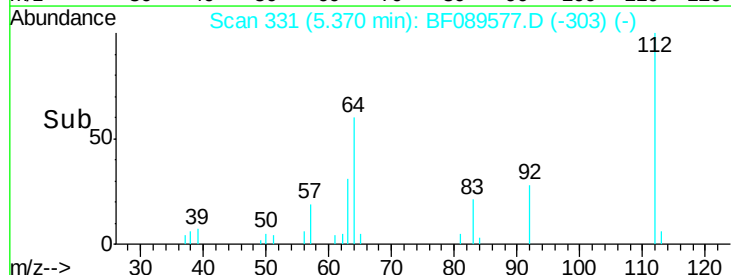
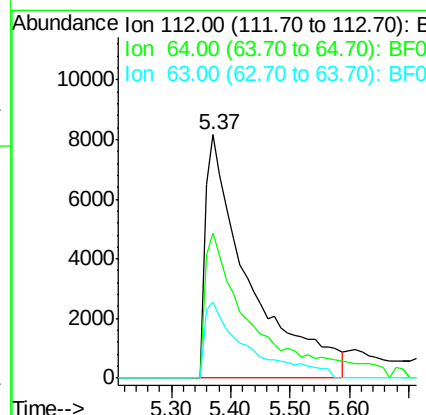
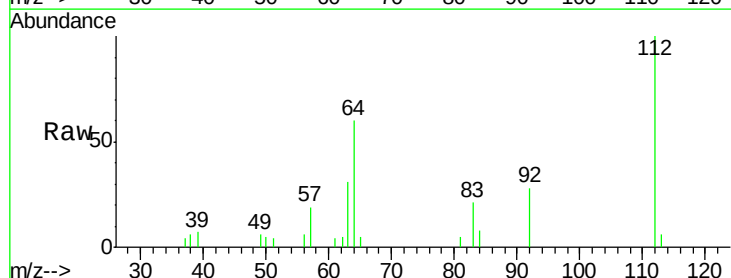
Manual Integrations
 APPROVED

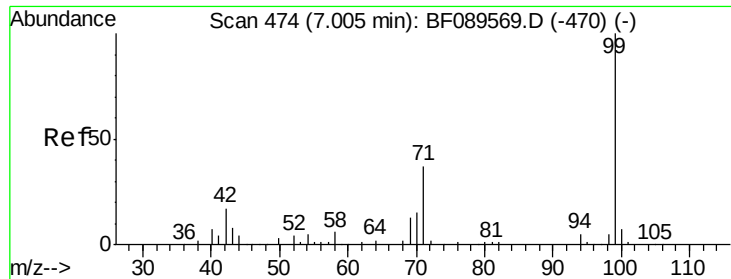
sohil
 8/4/2016 6:12:09 PM



#5
 2-Fluorophenol
 Concen: 16.12 ng
 RT: 5.37 min Scan# 331
 Delta R.T. 0.02 min
 Lab File: BF089577.D
 Acq: 4 Aug 2016 3:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.8	45.2	67.8
63	31.1	23.1	34.7





#7

Phenol-d6

Concen: 18.71 ng

RT: 7.00 min Scan# 474

Delta R.T. 0.00 min

Lab File: BF089577.D

Acq: 4 Aug 2016 3:50

Instrument :

BNA_F

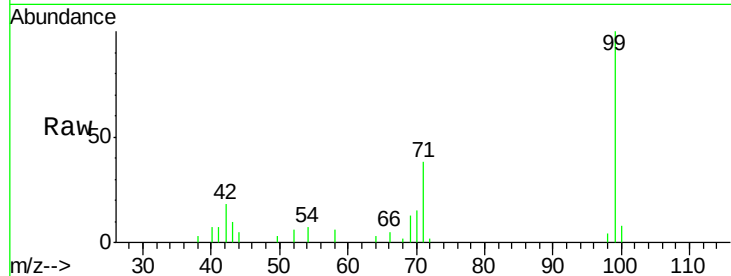
ClientSampleId :

PLSA-002(LEAF-MATERIAL)

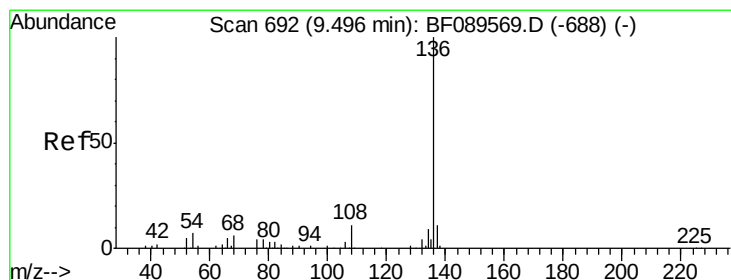
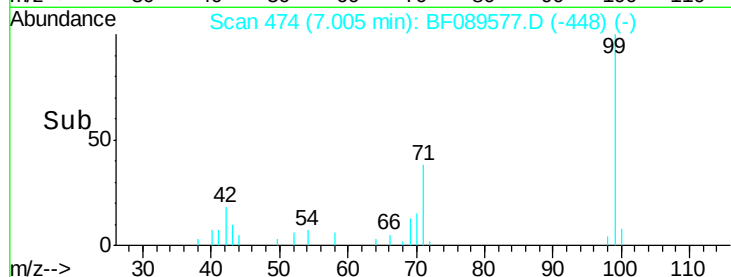
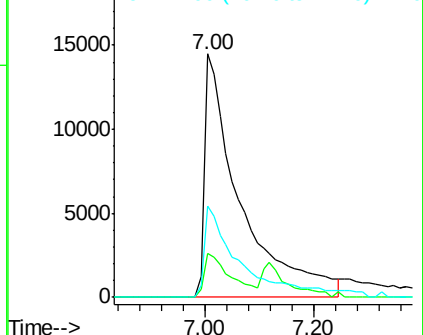
Tot Ion:	99	Resp:	65824
Ion	Ratio	Lower	Upper
99	100		
42	17.8	13.9	20.9
71	37.7	29.3	43.9

Manual Integrations
APPROVED

sohil
8/4/2016 6:12:09 PM



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.48 min Scan# 691

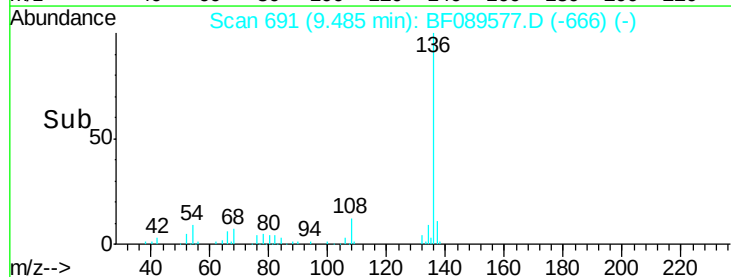
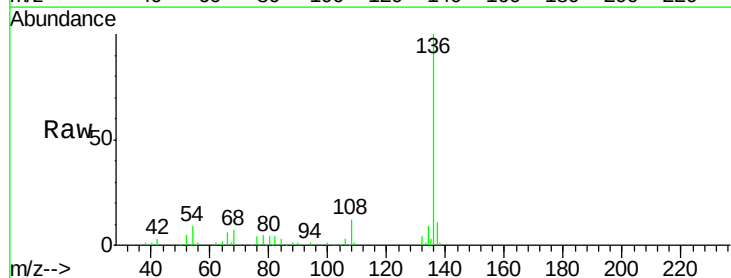
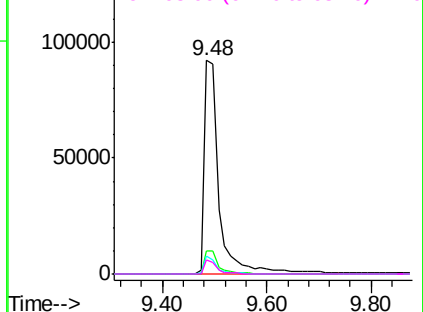
Delta R.T. -0.01 min

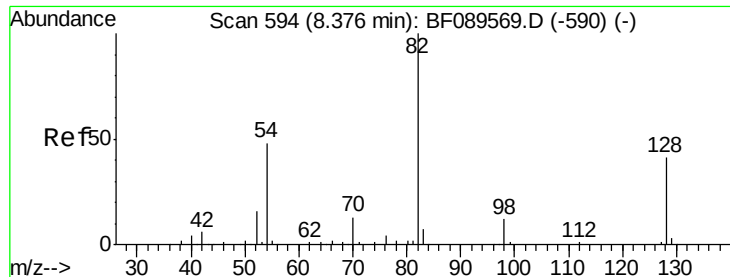
Lab File: BF089577.D

Acq: 4 Aug 2016 3:50

Tgt Ion:	136	Resp:	182043
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	8.6	5.9	8.9
68	6.5	4.5	6.7

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





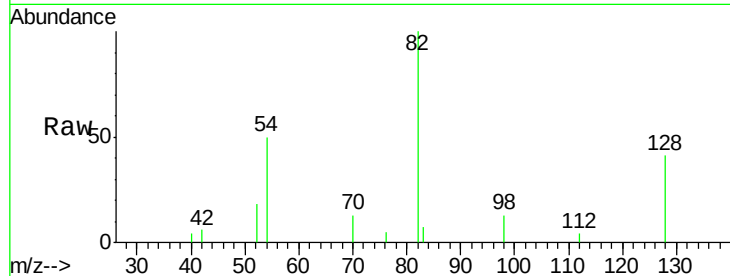
#23
 Nitrobenzene-d5
 Concen: 11.47 ng
 RT: 8.38 min Scan# 594
 Delta R.T. 0.00 min
 Lab File: BF089577.D
 Acq: 4 Aug 2016 3:50

Instrument :
 BNA_F
 ClientSampleId :
 PLSA-002(LEAF-MATERIAL)

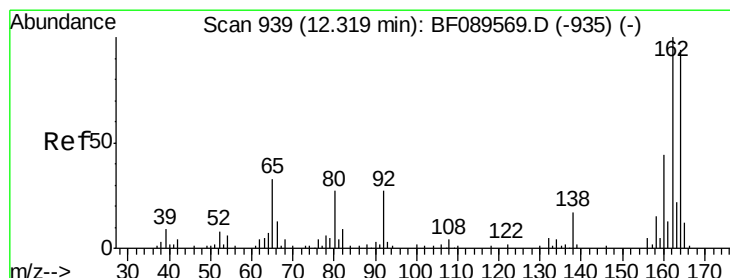
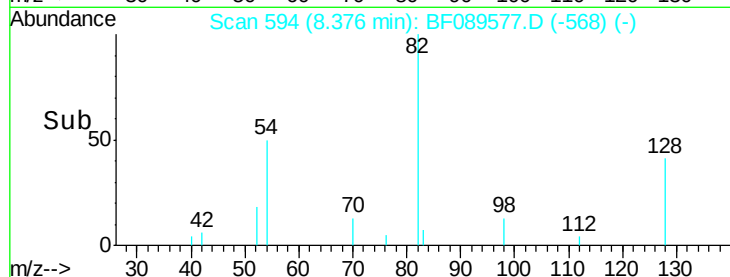
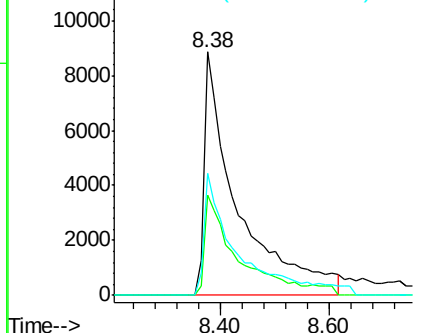
Tot Ion	Ratio	Lower	Upper
82	100		
128	41.4	32.4	48.6
54	50.2	38.6	58.0

Manual Integrations
 APPROVED

sohil
 8/4/2016 6:12:09 PM



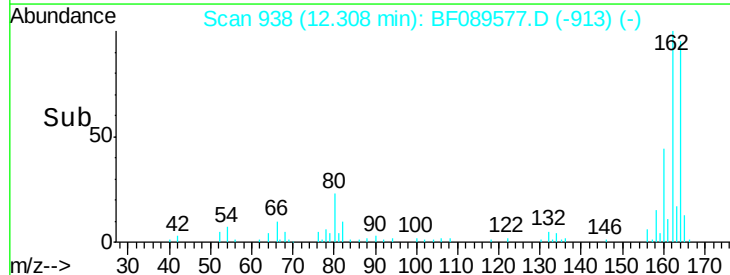
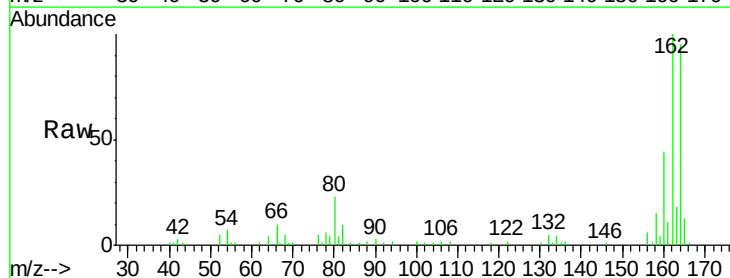
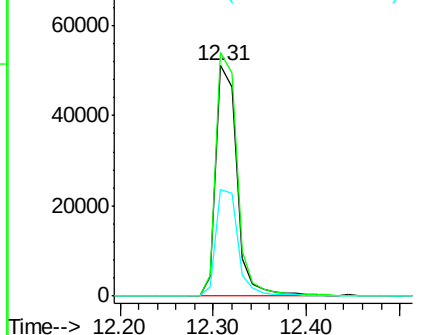
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

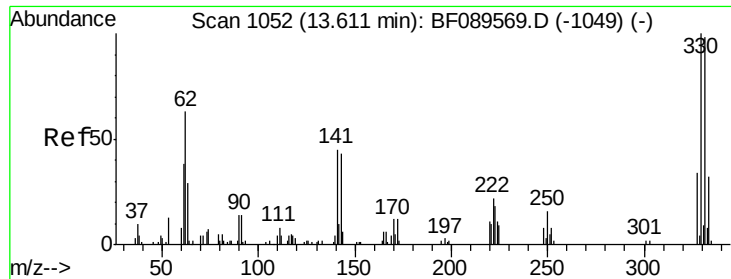


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.31 min Scan# 938
 Delta R.T. -0.01 min
 Lab File: BF089577.D
 Acq: 4 Aug 2016 3:50

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.5	85.4	128.2
160	46.0	37.3	55.9

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





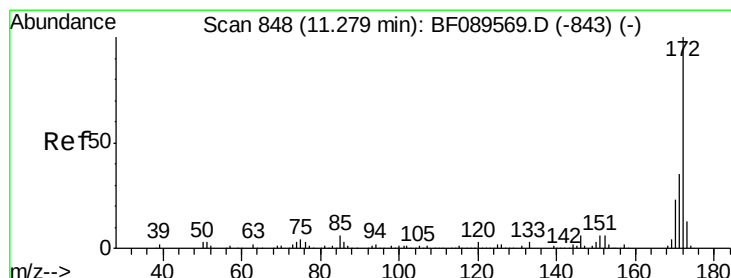
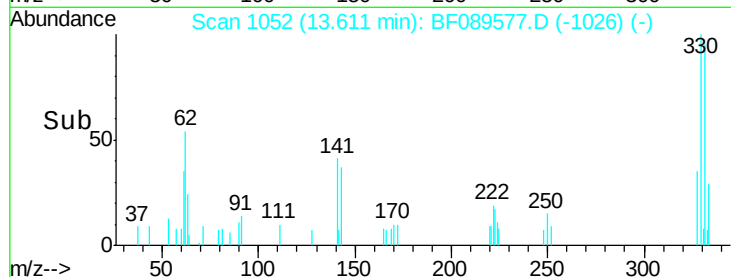
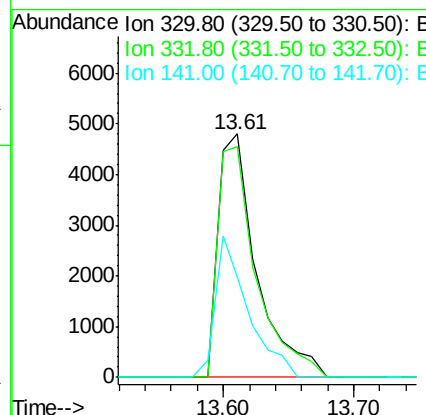
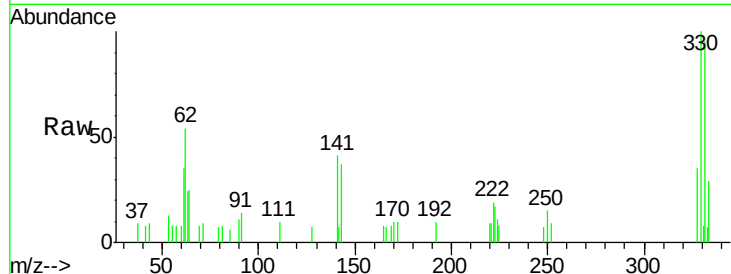
#41
 2,4,6-Tribromophenol
 Concen: 15.47 ng
 RT: 13.61 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: BF089577.D
 Acq: 4 Aug 2016 3:50

Instrument :
 BNA_F
 ClientSampleId :
 PLSA-002(LEAF-MATERIAL)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	9875		
332	96.1		76.7	115.1
141	49.2		40.3	60.5

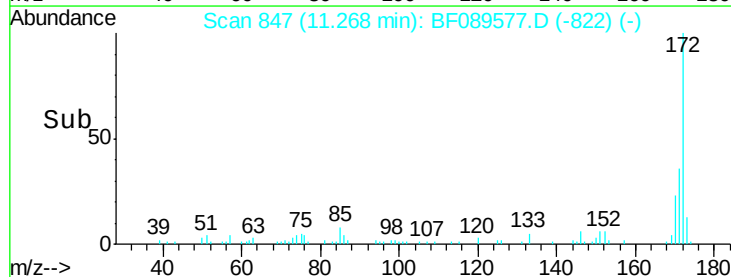
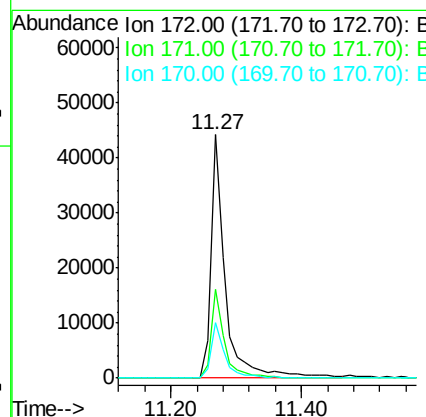
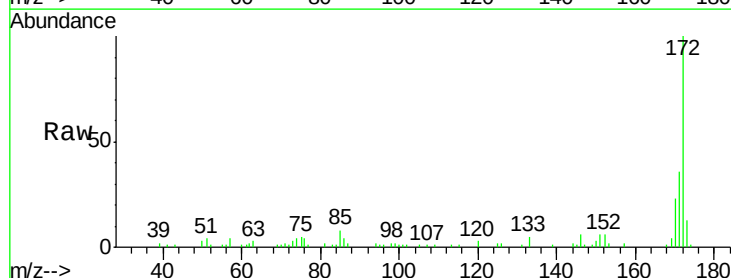
Manual Integrations
 APPROVED

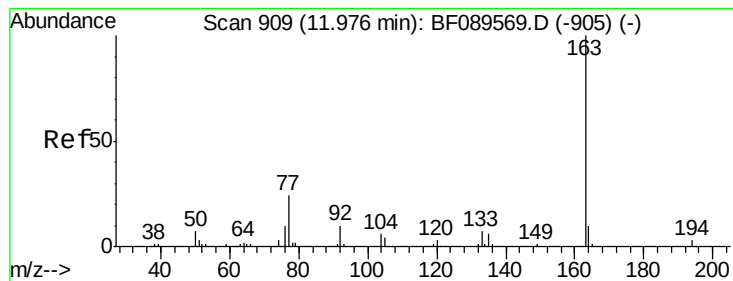
sohil
 8/4/2016 6:12:09 PM



#44
 2-Fluorobiphenyl
 Concen: 10.87 ng
 RT: 11.27 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: BF089577.D
 Acq: 4 Aug 2016 3:50

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	67278		
171	36.4		28.1	42.1
170	23.0		18.6	28.0





#49

Dimethylphthalate

Concen: 2.74 ng

RT: 11.97 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF089577.D

Acq: 4 Aug 2016 3:50

Instrument :

BNA_F

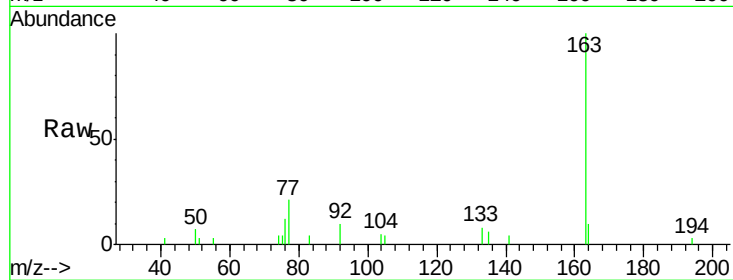
ClientSampleId :

PLSA-002(LEAF-MATERIAL)

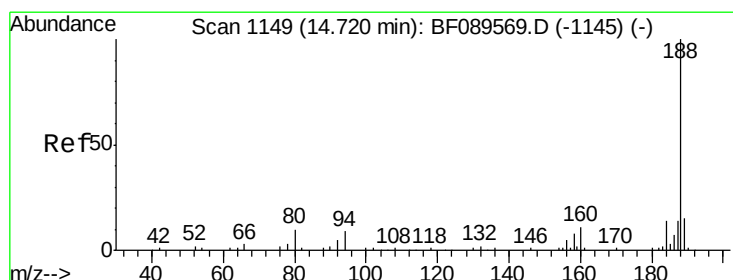
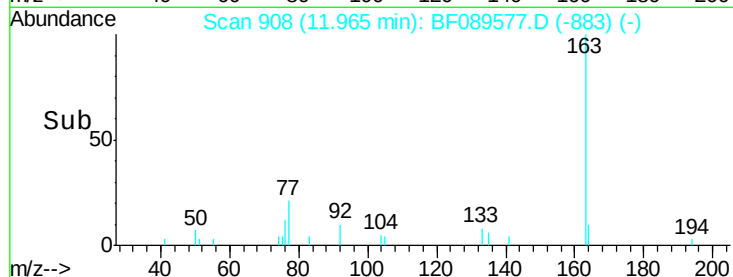
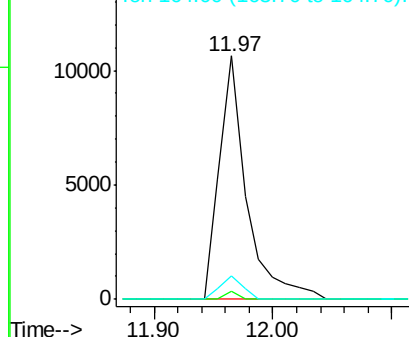
Tot Ion:	163	Resp:	16848
Ion Ratio	Lower	Upper	
163	100		
194	3.2	2.4	3.6
164	9.8	8.2	12.4

Manual Integrations
APPROVED

sohil
8/4/2016 6:12:09 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

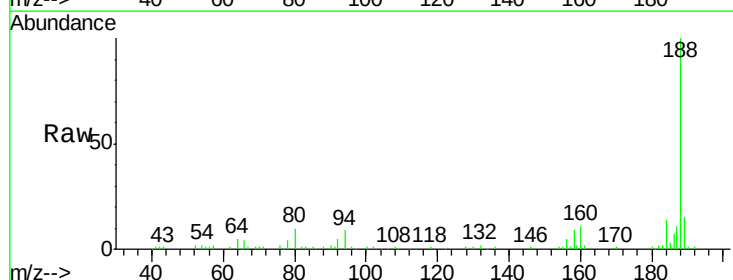
RT: 14.71 min Scan# 1148

Delta R.T. -0.01 min

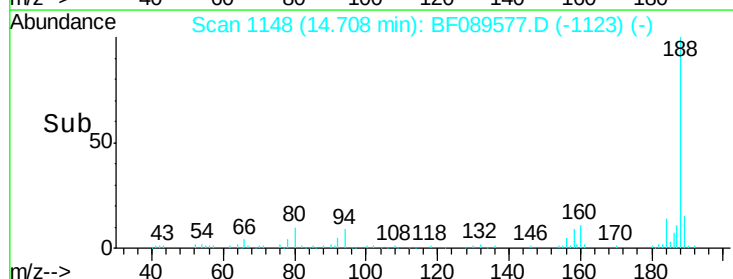
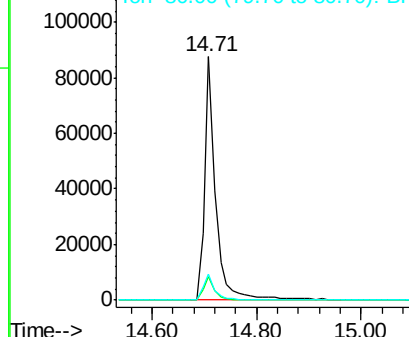
Lab File: BF089577.D

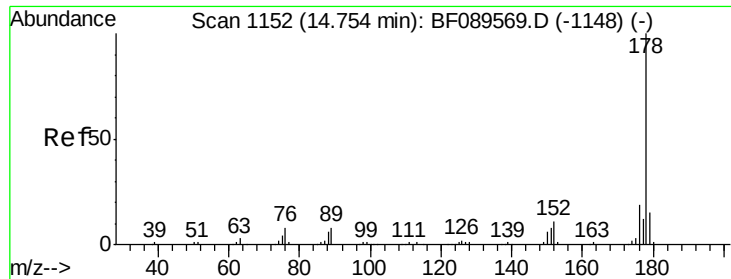
Acq: 4 Aug 2016 3:50

Tgt Ion:	188	Resp:	129465
Ion Ratio	Lower	Upper	
188	100		
94	9.4	7.0	10.4
80	10.4	7.7	11.5



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





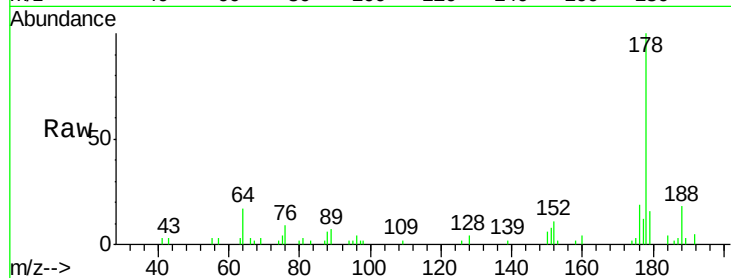
#70
Phenanthrene
Concen: 5.43 ng
RT: 14.75 min Scan# 1152
Delta R.T. 0.00 min
Lab File: BF089577.D
Acq: 4 Aug 2016 3:50

Instrument :
BNA_F
ClientSampleId :
PLSA-002(LEAF-MATERIAL)

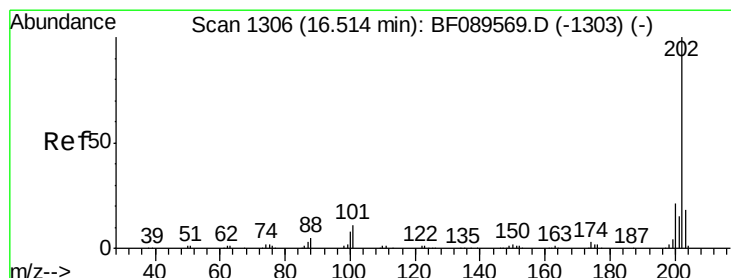
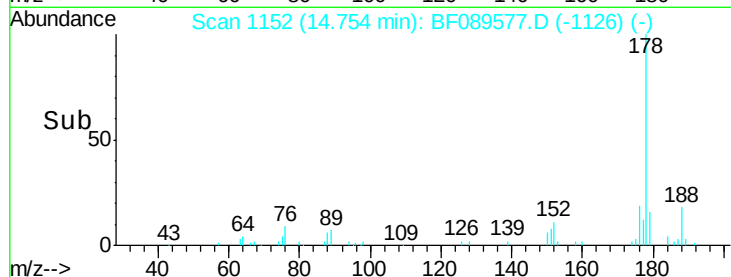
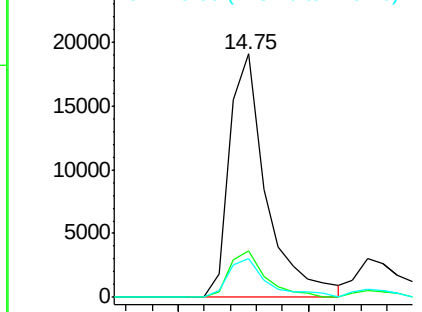
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.2	22.8
179	16.1	12.2	18.4

Manual Integrations
APPROVED

sohil
8/4/2016 6:12:09 PM

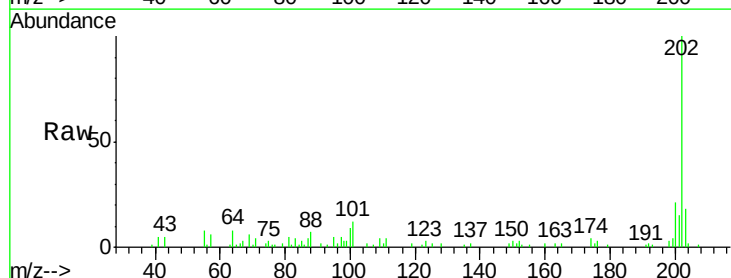


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

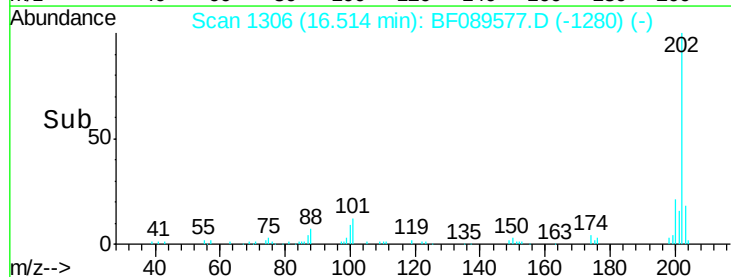
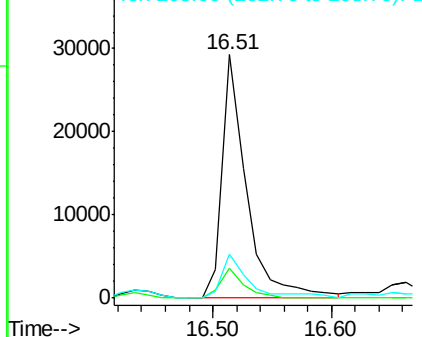


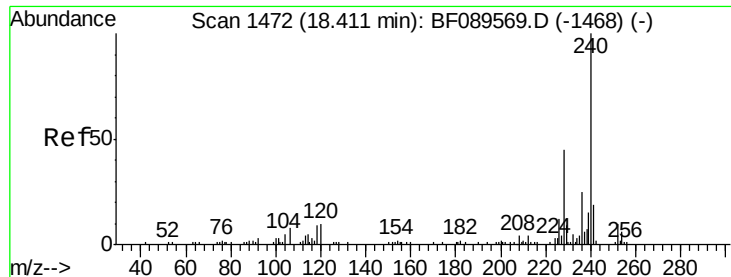
#74
Fluoranthene
Concen: 5.95 ng
RT: 16.51 min Scan# 1306
Delta R.T. 0.00 min
Lab File: BF089577.D
Acq: 4 Aug 2016 3:50

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	31.0
203	18.0	0.0	37.7



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: 18.41 min Scan# 1472

Delta R.T. 0.00 min

Lab File: BF089577.D

Acq: 4 Aug 2016 3:50

Instrument :

BNA_F

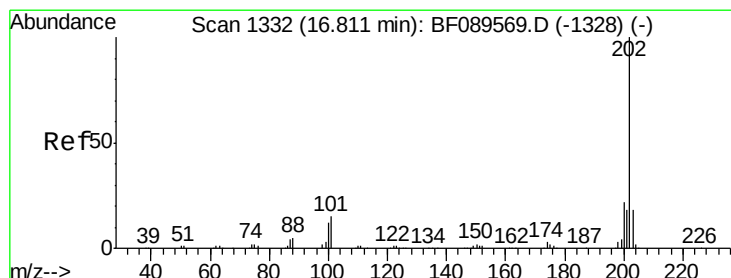
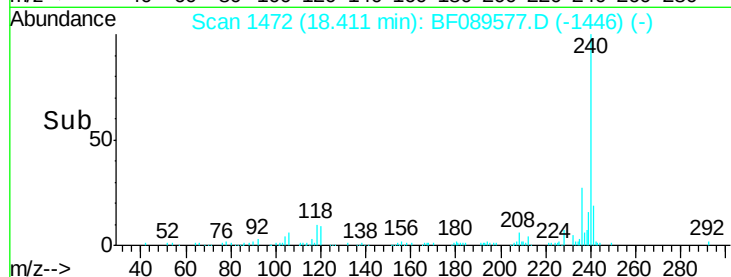
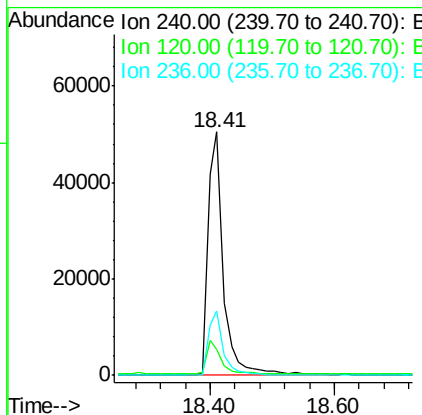
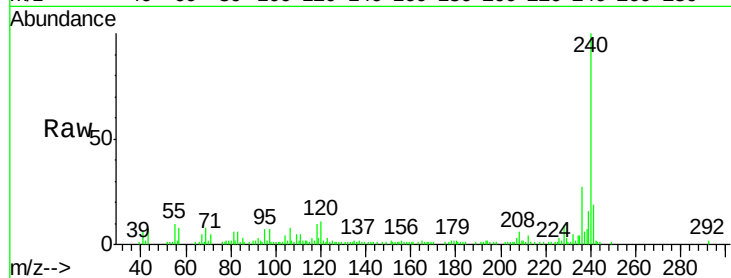
ClientSampleId :

PLSA-002(LEAF-MATERIAL)

Tot Ion:	240	Resp:	85938
Ion Ratio	Lower	Upper	
240	100		
120	10.5	8.2	12.2
236	26.6	20.3	30.5

Manual Integrations
APPROVED

sohil
8/4/2016 6:12:09 PM



#77

Pyrene

Concen: 7.24 ng

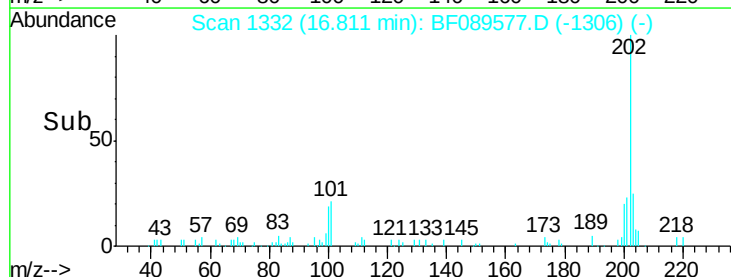
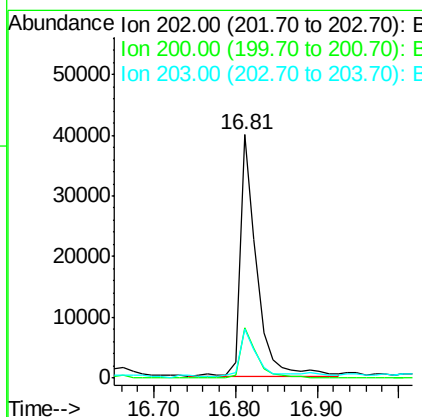
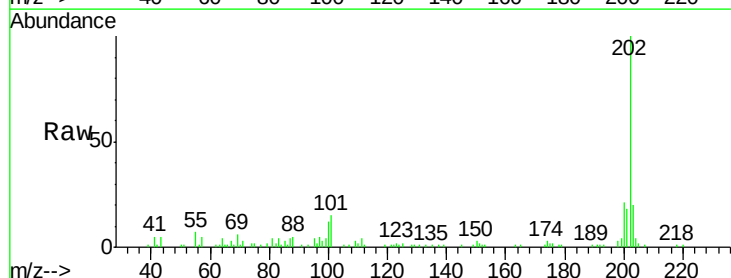
RT: 16.81 min Scan# 1332

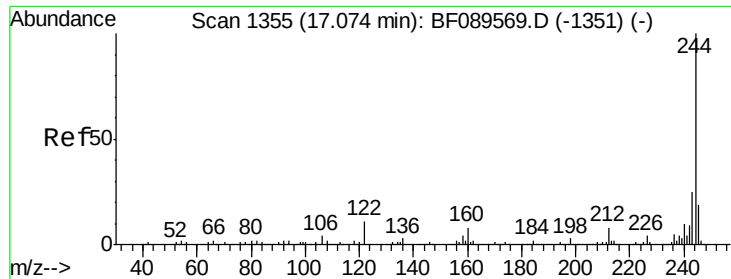
Delta R.T. 0.00 min

Lab File: BF089577.D

Acq: 4 Aug 2016 3:50

Tgt Ion:	202	Resp:	55311
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.2	25.8
203	20.0	14.2	21.2





#78

Terphenyl-d14

Concen: 8.25 ng

RT: 17.06 min Scan# 1354

Delta R.T. -0.01 min

Lab File: BF089577.D

Acq: 4 Aug 2016 3:50

Instrument :

BNA_F

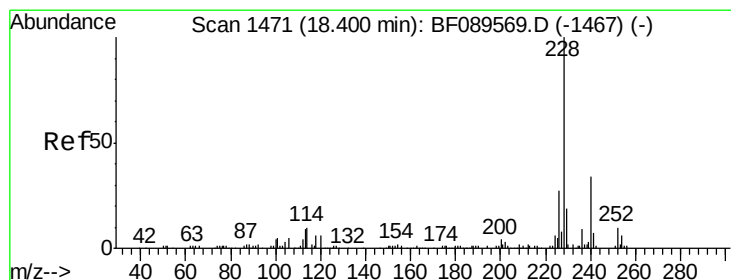
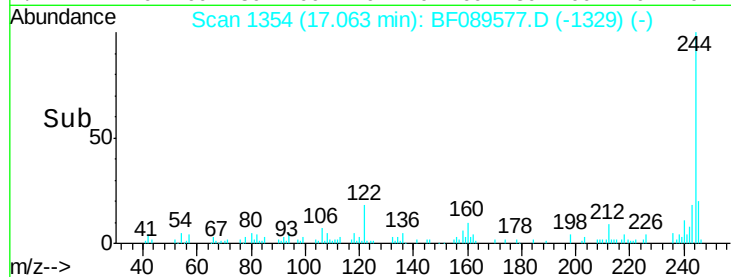
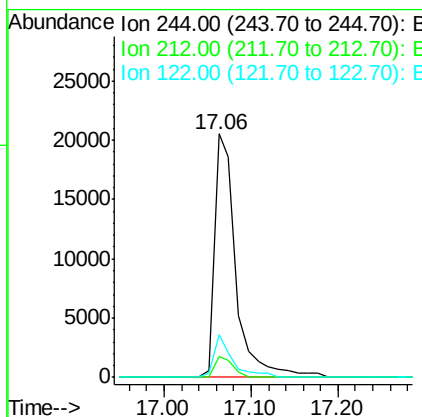
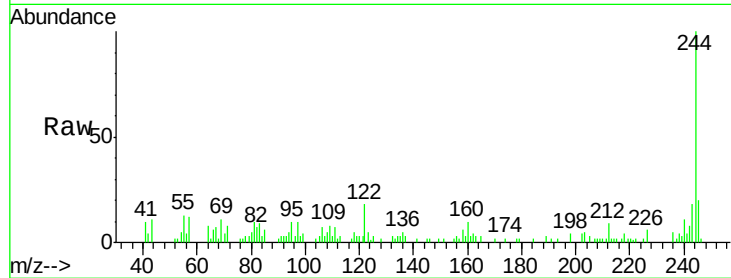
ClientSampleId :

PLSA-002(LEAF-MATERIAL)

Tot Ion:	244	Resp:	35332
Ion Ratio	Lower	Upper	
244	100		
212	8.8	6.2	9.4
122	17.6	8.5	12.7#

Manual Integrations
APPROVED

sohil
8/4/2016 6:12:09 PM



#80

Benzo(a)anthracene

Concen: 3.59 ng

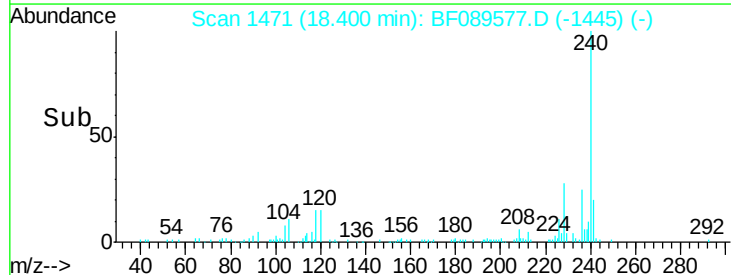
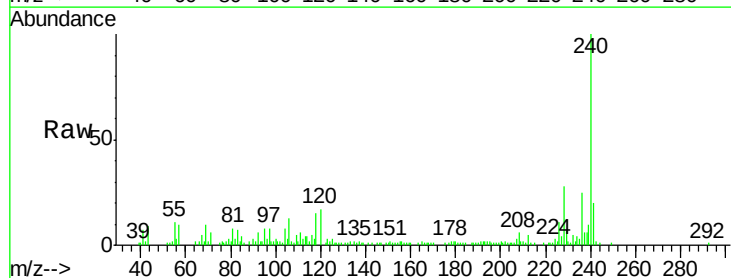
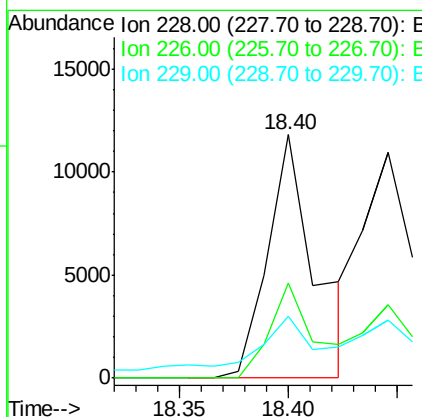
RT: 18.40 min Scan# 1471

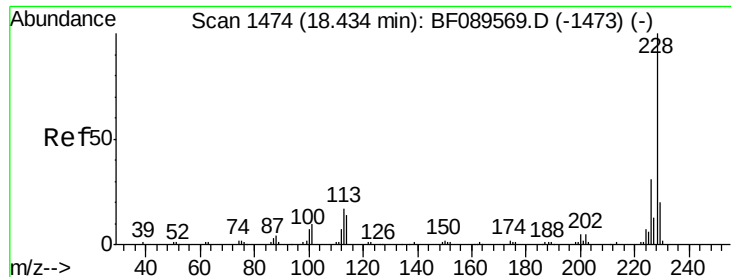
Delta R.T. 0.00 min

Lab File: BF089577.D

Acq: 4 Aug 2016 3:50

Tgt Ion:	228	Resp:	18002
Ion Ratio	Lower	Upper	
228	100		
226	39.2	21.5	32.3#
229	25.5	15.1	22.7#





#82

Chrysene

Concen: 4.09 ng/mL

RT: 18.45 min Scan# 1475

Delta R.T. 0.01 min

Lab File: BF089577.D

Acq: 4 Aug 2016 3:50

Instrument:

BNA_F

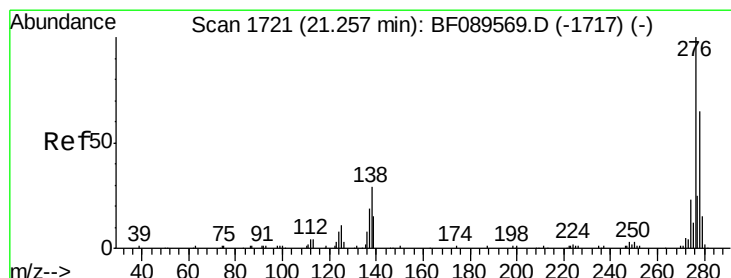
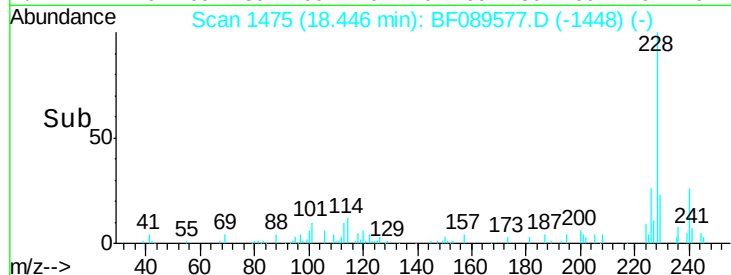
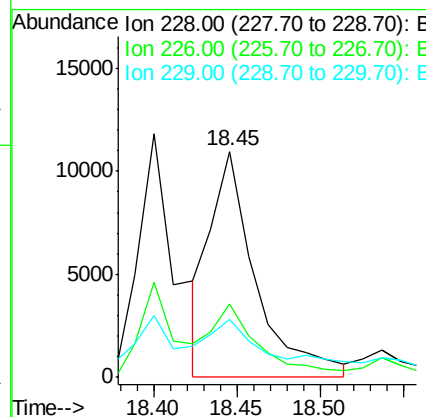
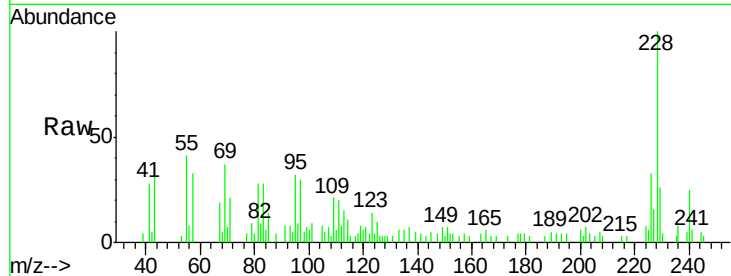
ClientSampleId:

PLSA-002(LEAF-MATERIAL)

Tot Ion:	228	Resp:	21142
Ion Ratio	Lower	Upper	
228	100		
226	32.6	24.3	36.5
229	25.6	15.7	23.5

Manual Integrations
APPROVED

sohil
8/4/2016 6:12:09 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.19 ng/mL

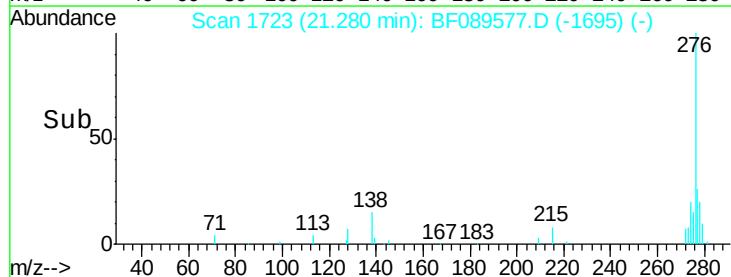
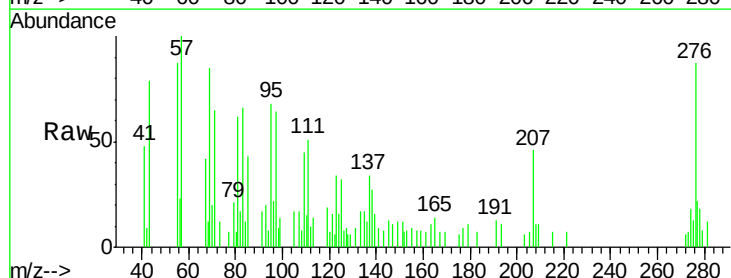
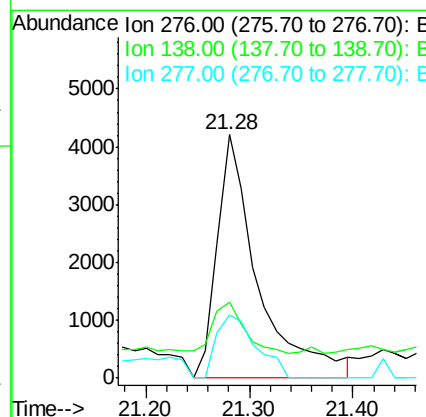
RT: 21.28 min Scan# 1723

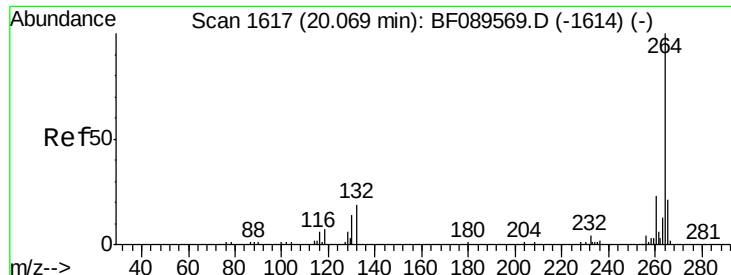
Delta R.T. 0.02 min

Lab File: BF089577.D

Acq: 4 Aug 2016 3:50

Tgt Ion:	276	Resp:	11576
Ion Ratio	Lower	Upper	
276	100		
138	3.0	23.5	35.3
277	2.0	20.5	30.7





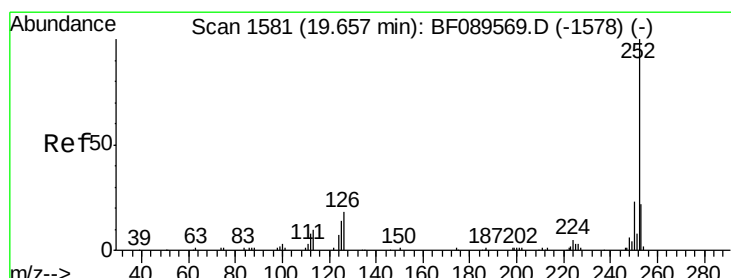
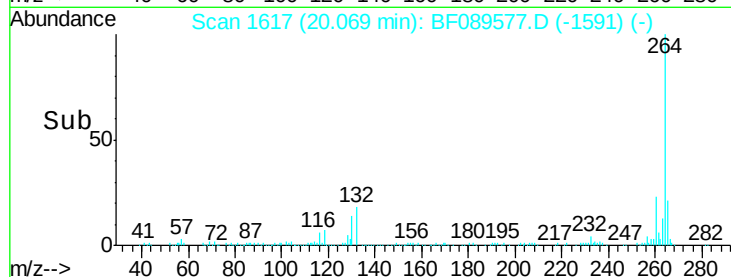
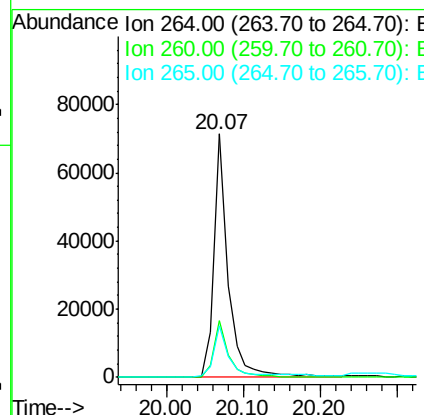
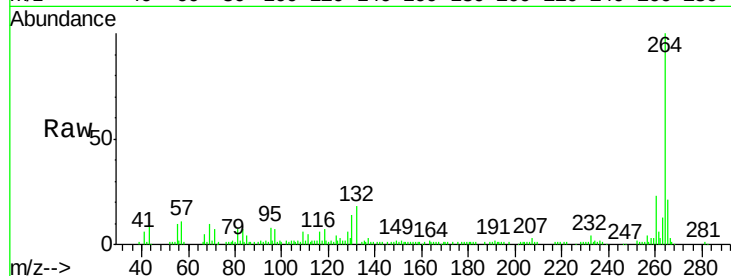
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.07 min Scan# 1617
Delta R.T. 0.00 min
Lab File: BF089577.D
Acq: 4 Aug 2016 3:50

Instrument :
BNA_F
ClientSampleId :
PLSA-002(LEAF-MATERIAL)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.5	27.7
265	21.1	16.6	25.0

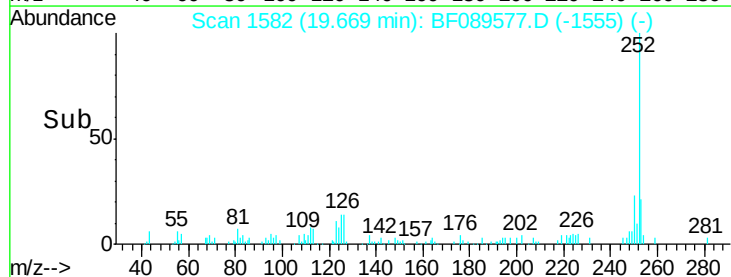
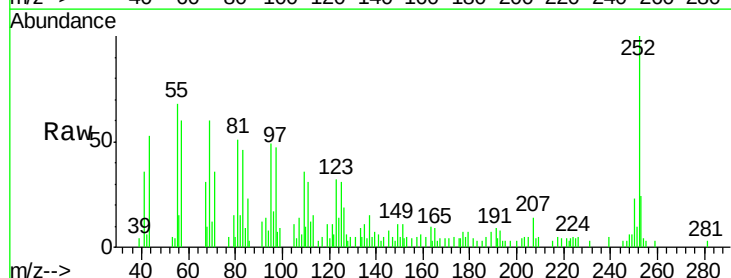
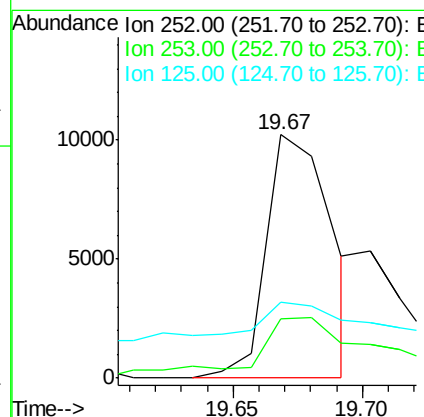
Manual Integrations
APPROVED

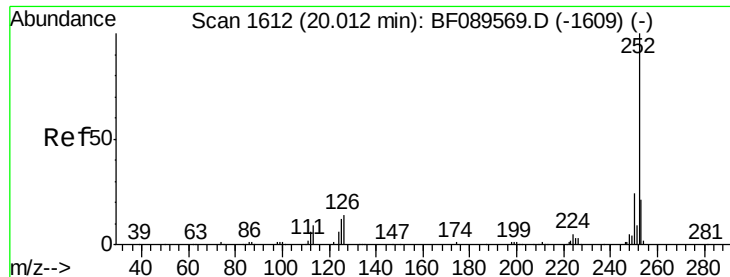
sohil
8/4/2016 6:12:09 PM



#87
Benzo(b)fluoranthene
Concen: 3.17 ng m
RT: 19.67 min Scan# 1582
Delta R.T. 0.01 min
Lab File: BF089577.D
Acq: 4 Aug 2016 3:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.6	26.4
125	31.0	11.0	16.4#





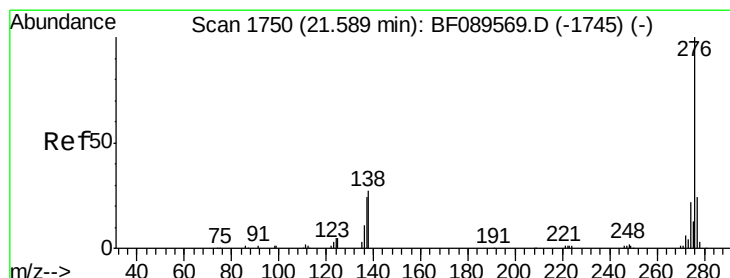
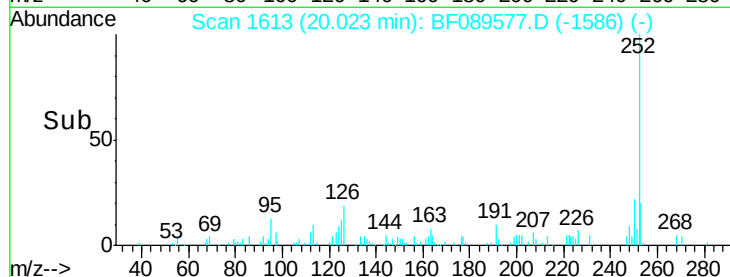
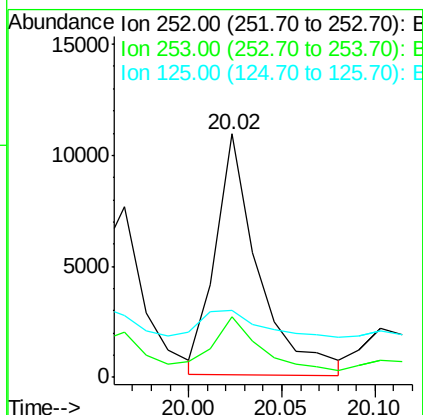
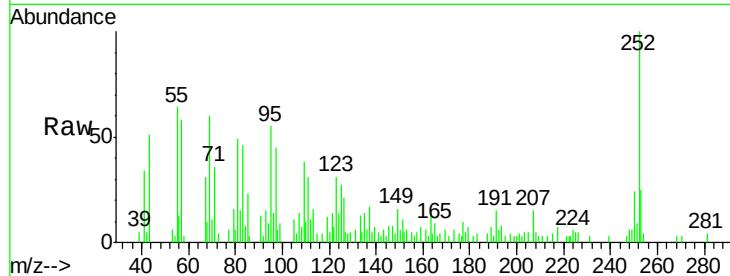
#89
Benzo(a)pyrene
Concen: 3.34 ng
RT: 20.02 min Scan# 1613
Delta R.T. 0.01 min
Lab File: BF089577.D
Acq: 4 Aug 2016 3:50

Instrument :
BNA_F
ClientSampleId :
PLSA-002(LEAF-MATERIAL)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	16.6	24.8#
125	27.4	9.4	14.0#

Manual Integrations
APPROVED

sohil
8/4/2016 6:12:09 PM



#91
Benzo(g,h,i)perylene
Concen: 2.48 ng
RT: 21.61 min Scan# 1752
Delta R.T. 0.02 min
Lab File: BF089577.D
Acq: 4 Aug 2016 3:50

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.0	19.0	28.6
138	35.1	21.7	32.5#

