

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090518\
 Data File : BF108796.D
 Acq On : 6 Sep 2018 1:16
 Operator : JU/SJ
 Sample : J4791-03 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-#12

Manual Integrations
 APPROVED

Sohil
 9/6/2018 4:45:13 PM

Quant Time: Sep 06 11:03:59 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 05 18:03:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	277588	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	1029101	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	434071	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	717040	20.00	ng	0.00
75) Chrysene-d12	13.87	240	520294	20.00	ng	0.00
86) Perylene-d12	15.27	264	484806	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	268752	16.04	ng	0.00
7) Phenol-d6	6.35	99	351716	16.31	ng	-0.01
23) Nitrobenzene-d5	7.28	82	180155	10.96	ng	-0.02
41) 2,4,6-Tribromophenol	10.54	330	53755	12.97	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	375399	14.75	ng	0.00
78) Terphenyl-d14	12.82	244	299052	13.40	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.48	163	129460	4.264	ng	Qvalue 100
70) Phenanthrene	11.26	178	144086	4.208	ng	98
74) Fluoranthene	12.44	202	258203	7.616	ng	97
77) Pyrene	12.67	202	258482	6.456	ng	97
79) Butylbenzylphthalate	13.30	149	104249	5.782	ng	96
80) Benzo(a)anthracene	13.85	228	127148	3.813	ng	95
82) Chrysene	13.89	228	93644	2.901	ng	97
83) Bis(2-ethylhexyl)phthalate	13.88	149	3043126	134.311	ng	# 95
84) Di-n-octyl phthalate	14.47	149	127088	3.364	ng	# 91
87) Benzo(b)fluoranthene	14.87	252	130203m	4.939	ng	
89) Benzo(a)pyrene	15.21	252	86701	3.645	ng	95
91) Benzo(a,h,i)perylene	17.01	276	49887	2.377	ng	94

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

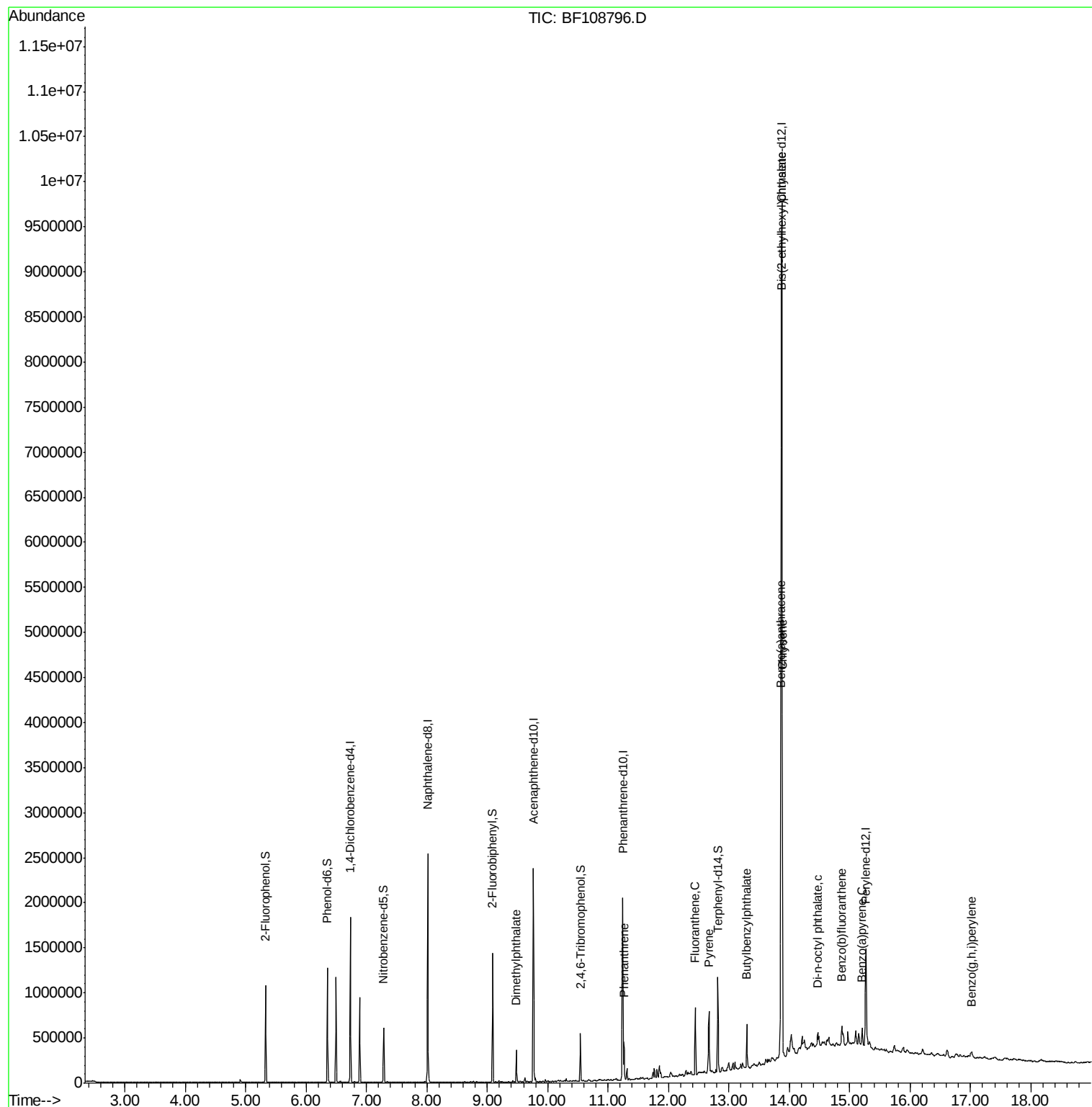
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090518\
Data File : BF108796.D
Acq On : 6 Sep 2018 1:16
Operator : JU/SJ
Sample : J4791-03 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

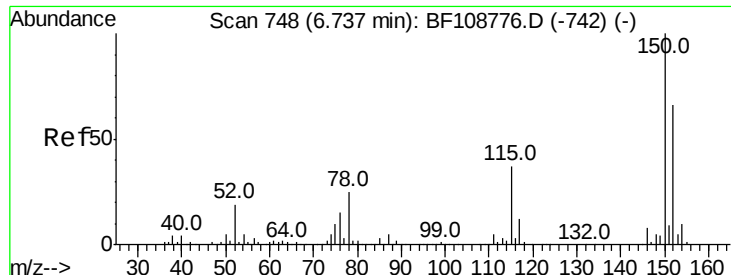
Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-#12

Manual Integrations
APPROVED

Sohil
9/6/2018 4:45:13 PM

Quant Time: Sep 06 11:03:59 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 05 18:03:31 2018
Response via : Initial Calibration





#1

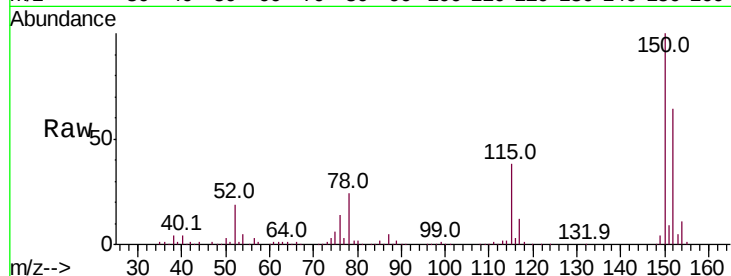
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 748
Delta R.T. 0.00 min
Lab File: BF108796.D
Acq: 6 Sep 2018 1:16

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-#12

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	124.6	186.8
115	58.4	50.1	75.1

Manual Integrations
APPROVED

Sohil
9/6/2018 4:45:13 PM

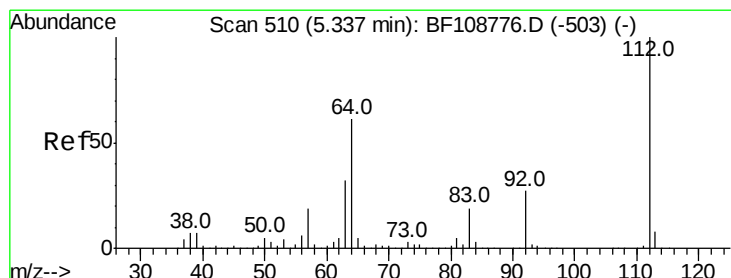
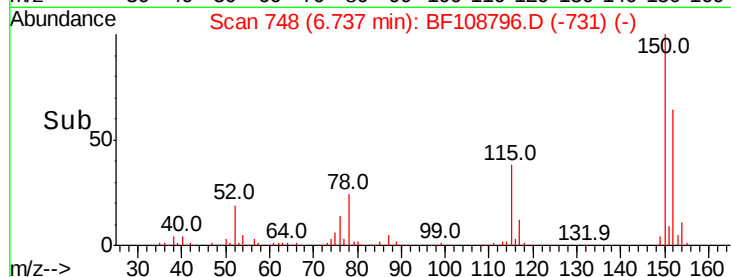
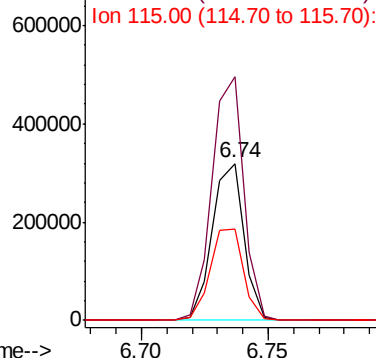


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

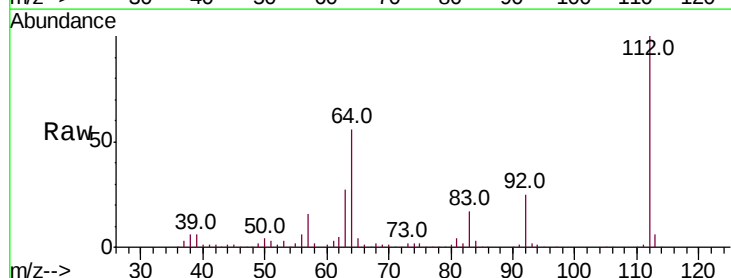
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 16.039 ng
RT: 5.33 min Scan# 509
Delta R.T. -0.01 min
Lab File: BF108796.D
Acq: 6 Sep 2018 1:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.9	47.9	71.9
63	27.5	23.7	35.5

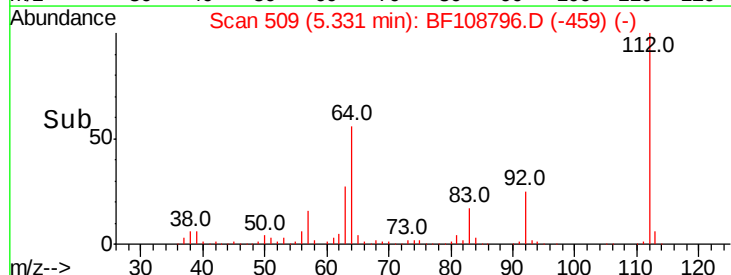
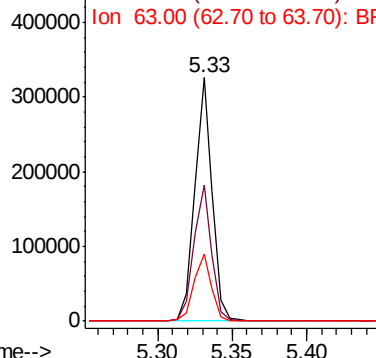


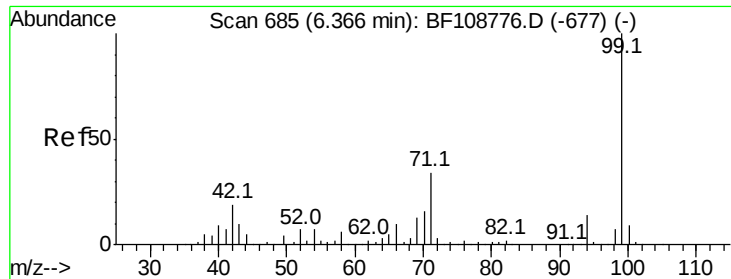
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 16.314 ng

RT: 6.35 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF108796.D

Acq: 6 Sep 2018 1:16

Instrument :

BNA_F

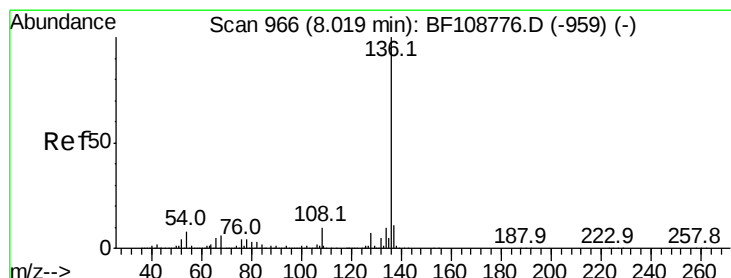
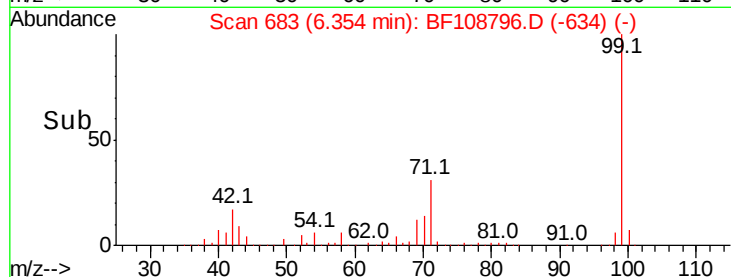
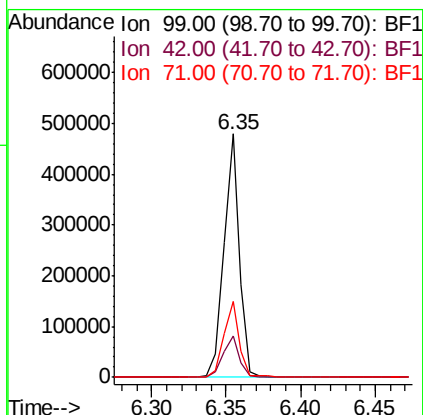
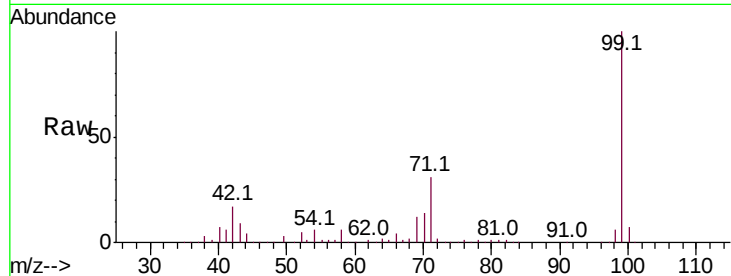
ClientSampleId :

DOCUMENTATION-#12

Tot Ion:	99	Resp:	351716
Ion Ratio	Lower	Upper	
99	100		
42	17.2	14.5	21.7
71	30.9	25.4	38.0

Manual Integrations
APPROVED

Sohil
9/6/2018 4:45:13 PM



#21

Naphthalene-d8

Concen: 20.000 ng

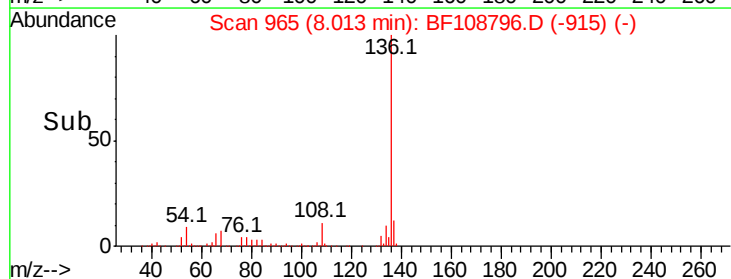
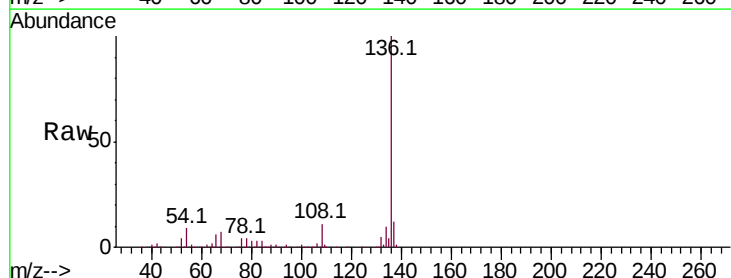
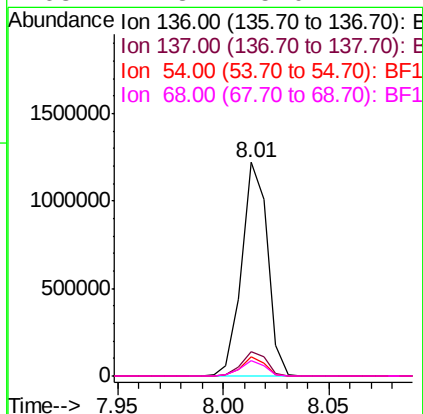
RT: 8.01 min Scan# 965

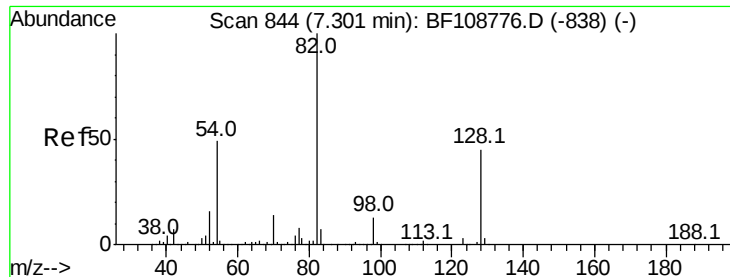
Delta R.T. -0.01 min

Lab File: BF108796.D

Acq: 6 Sep 2018 1:16

Tgt Ion:	136	Resp:	1029101
Ion Ratio	Lower	Upper	
136	100		
137	11.7	8.9	13.3
54	8.8	6.6	9.8
68	7.3	5.0	7.4





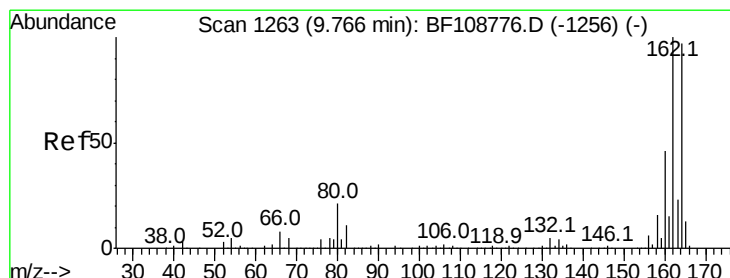
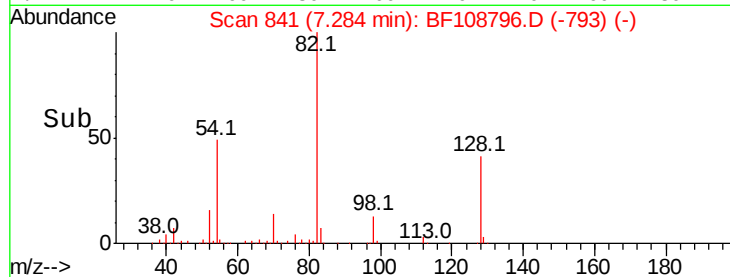
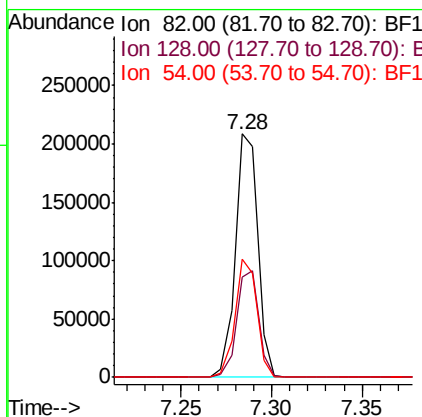
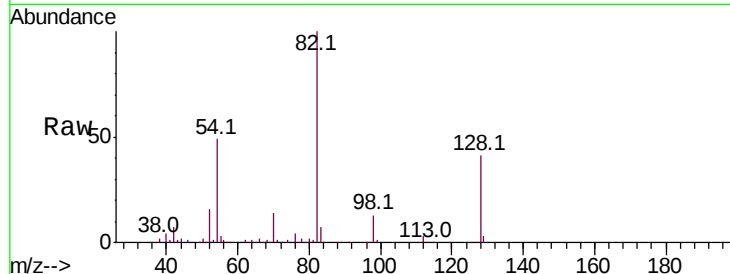
#23
 Nitrobenzene-d5
 Concen: 10.955 ng
 RT: 7.28 min Scan# 841
 Delta R.T. -0.02 min
 Lab File: BF108796.D
 Acq: 6 Sep 2018 1:16

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-#12

Tot Ion:	82	Resp:	180155
Ion Ratio	Lower	Upper	
82	100		
128	40.9	36.1	54.1
54	48.6	41.4	62.2

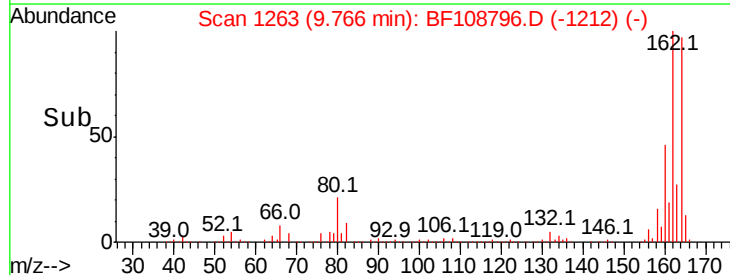
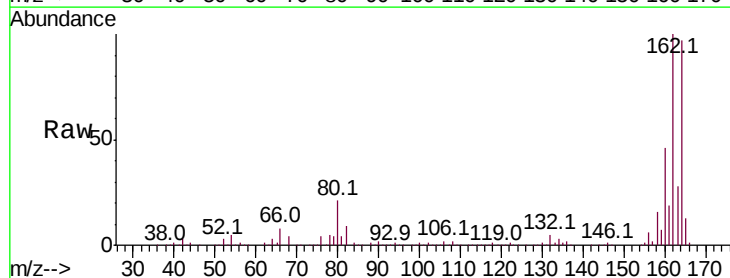
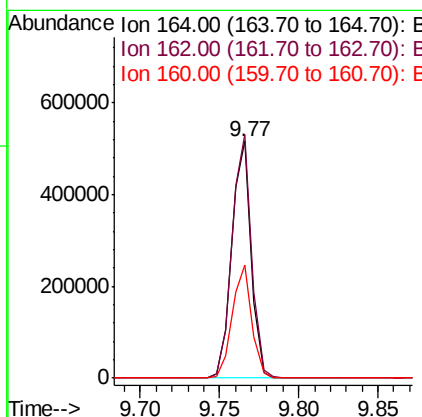
Manual Integrations
 APPROVED

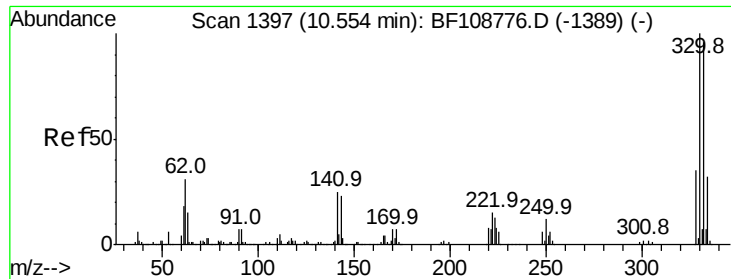
Sohil
 9/6/2018 4:45:13 PM



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: BF108796.D
 Acq: 6 Sep 2018 1:16

Tgt Ion:	164	Resp:	434071
Ion Ratio	Lower	Upper	
164	100		
162	102.7	86.1	129.1
160	47.6	38.3	57.5





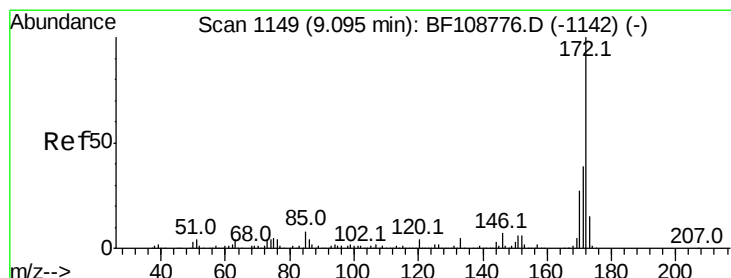
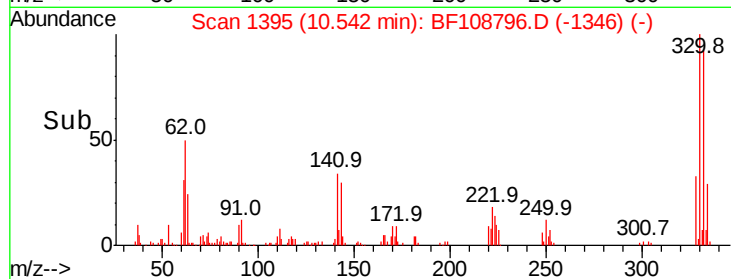
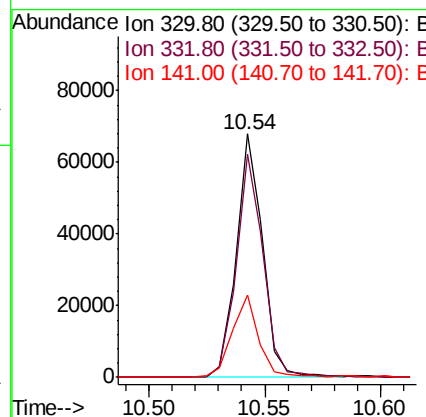
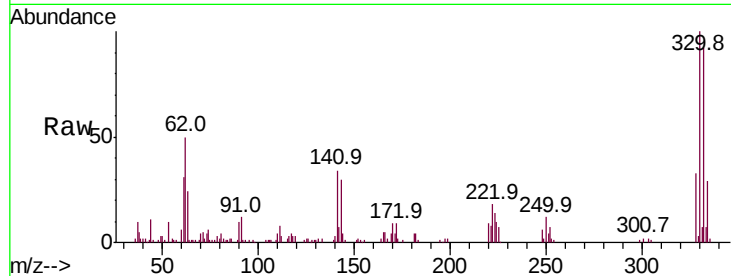
#41
 2,4,6-Tribromophenol
 Concen: 12.972 ng
 RT: 10.54 min Scan# 1395
 Delta R.T. -0.01 min
 Lab File: BF108796.D
 Acq: 6 Sep 2018 1:16

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-#12

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	93.4	77.0	115.6	
141	33.9	29.9	44.9	

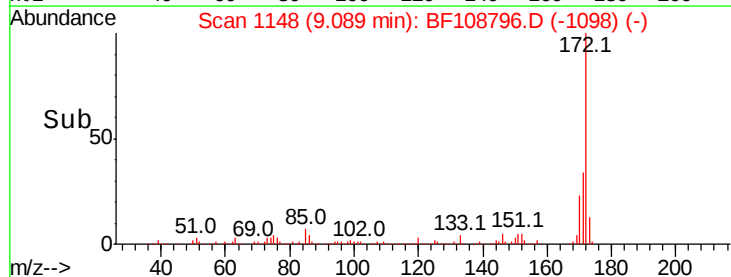
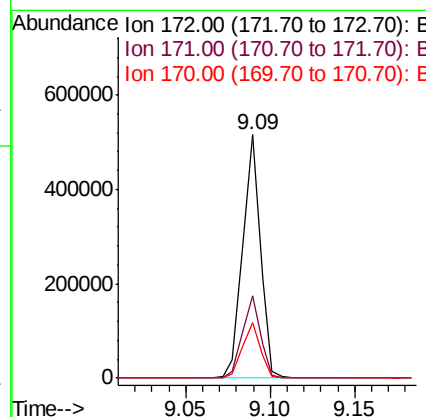
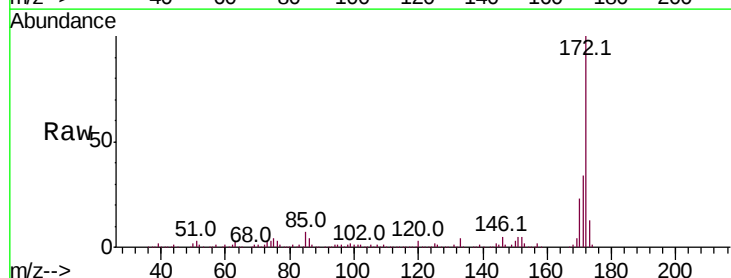
Manual Integrations
 APPROVED

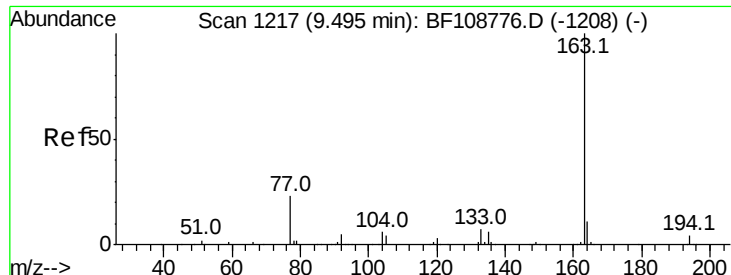
Sohil
 9/6/2018 4:45:13 PM



#44
 2-Fluorobiphenyl
 Concen: 14.754 ng
 RT: 9.09 min Scan# 1148
 Delta R.T. -0.01 min
 Lab File: BF108796.D
 Acq: 6 Sep 2018 1:16

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	33.9	29.7	44.5	
170	22.7	19.6	29.4	





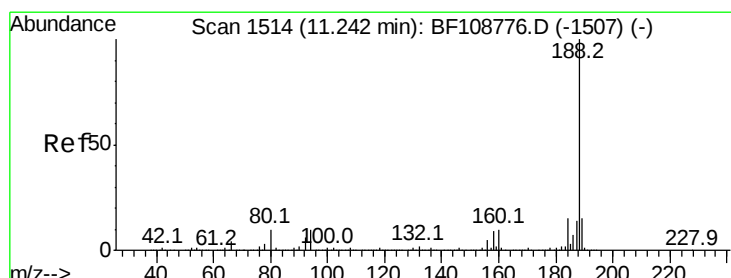
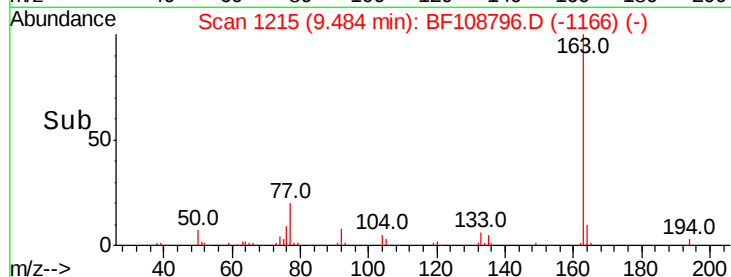
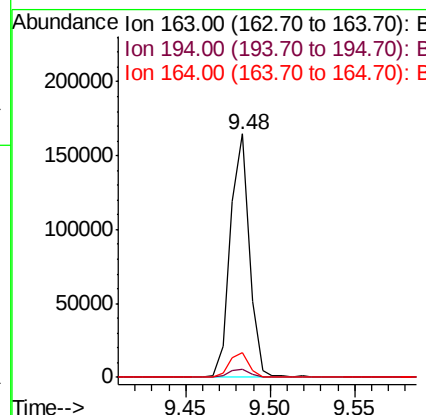
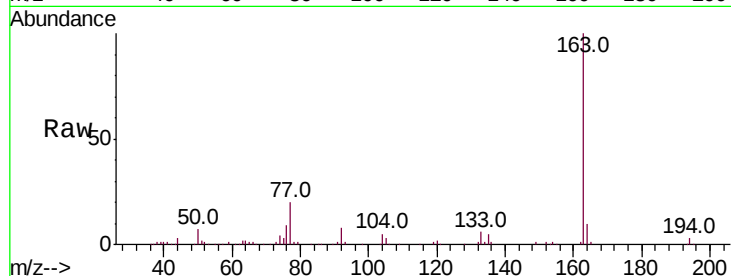
#49
Dimethylphthalate
Concen: 4.264 ng
RT: 9.48 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF108796.D
Acq: 6 Sep 2018 1:16

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-#12

Tot Ion	Ratio	Resp	Lower	Upper
163	100	129460		
194	3.5	2.7	4.1	
164	10.2	8.2	12.2	

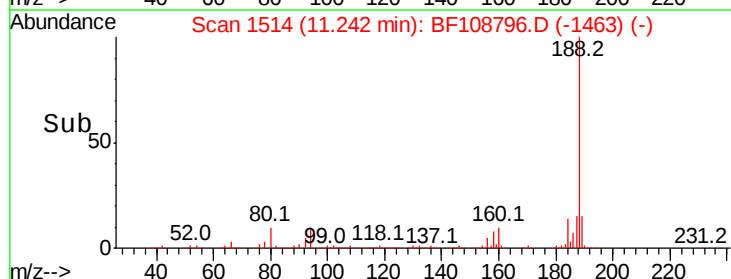
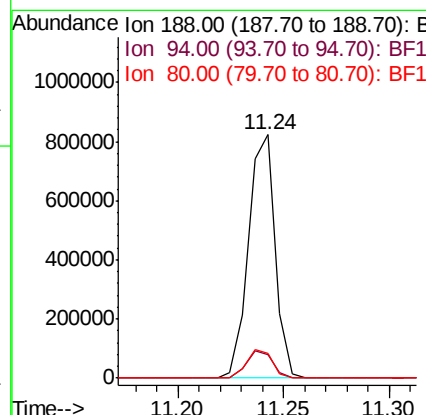
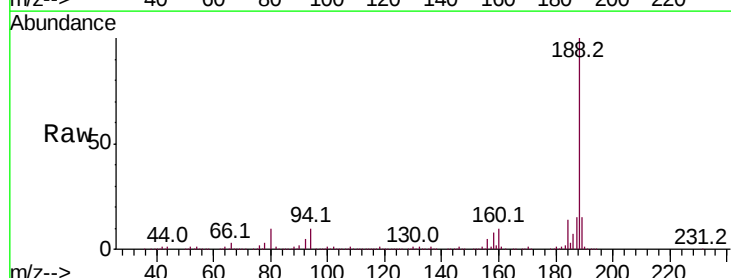
Manual Integrations
APPROVED

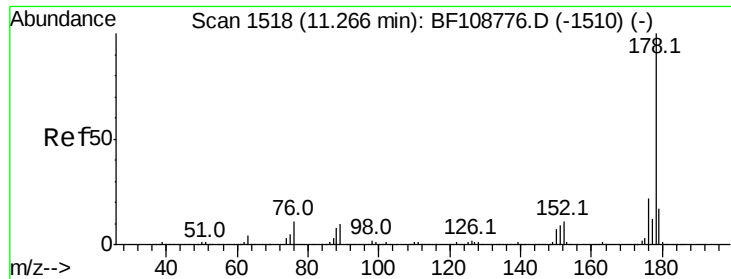
Sohil
9/6/2018 4:45:13 PM



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1514
Delta R.T. 0.00 min
Lab File: BF108796.D
Acq: 6 Sep 2018 1:16

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	717040		
94	9.5	8.5	12.7	
80	10.1	9.2	13.8	





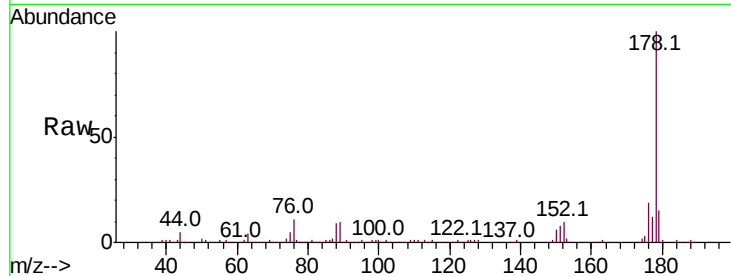
#70
Phenanthrene
Concen: 4.208 ng
RT: 11.26 min Scan# 1517
Delta R.T. -0.01 min
Lab File: BF108796.D
Acq: 6 Sep 2018 1:16

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-#12

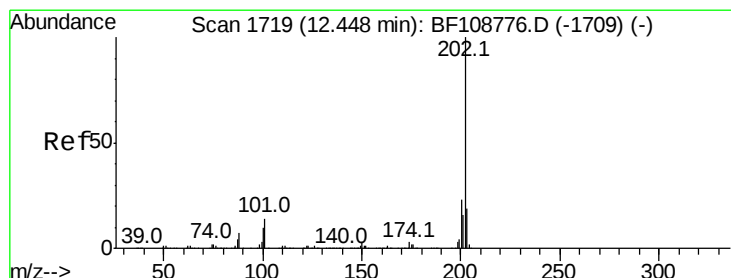
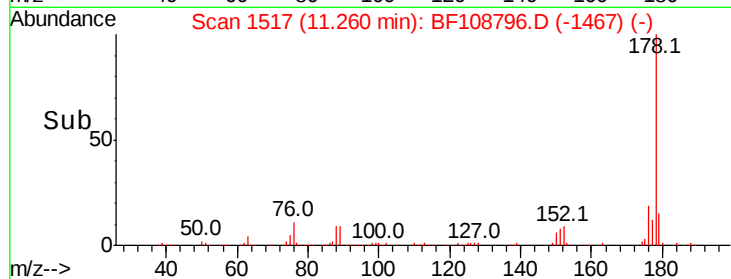
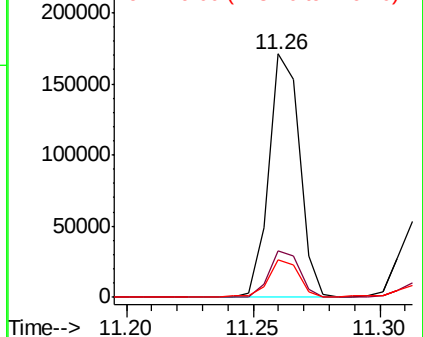
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.2	13.0	19.6

Manual Integrations
APPROVED

Sohil
9/6/2018 4:45:13 PM

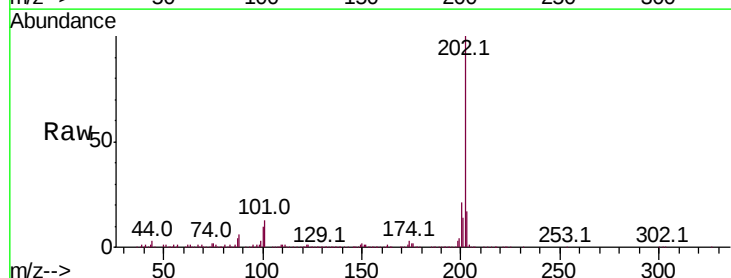


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

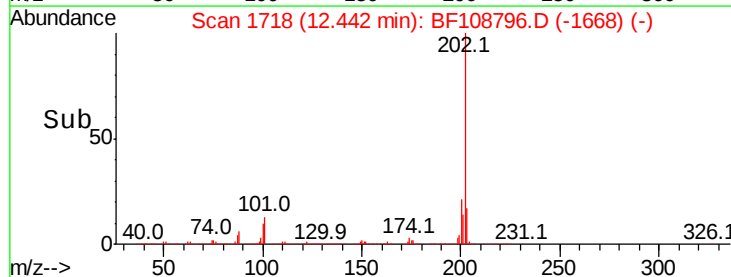
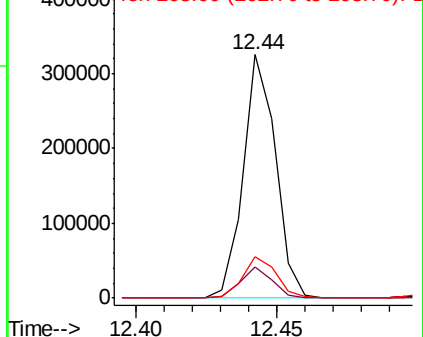


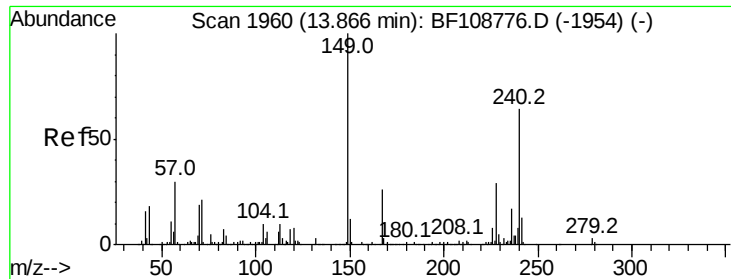
#74
Fluoranthene
Concen: 7.616 ng
RT: 12.44 min Scan# 1718
Delta R.T. -0.01 min
Lab File: BF108796.D
Acq: 6 Sep 2018 1:16

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	34.1
203	16.8	0.0	38.1



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: 20.000 ng

RT: 13.87 min Scan# 1960

Delta R.T. 0.00 min

Lab File: BF108796.D

Acq: 6 Sep 2018 1:16

Instrument :

BNA_F

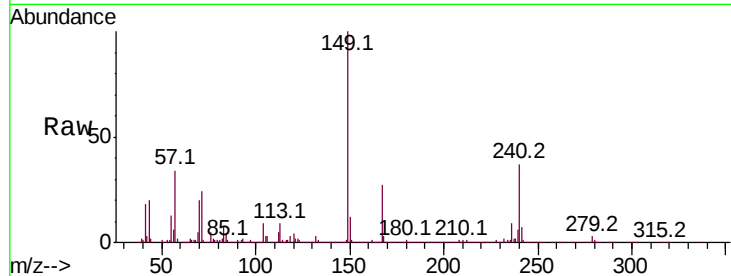
ClientSampleId :

DOCUMENTATION-#12

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	11.4	9.5	14.3	
236	25.6	20.7	31.1	

Manual Integrations
APPROVED

Sohil
9/6/2018 4:45:13 PM

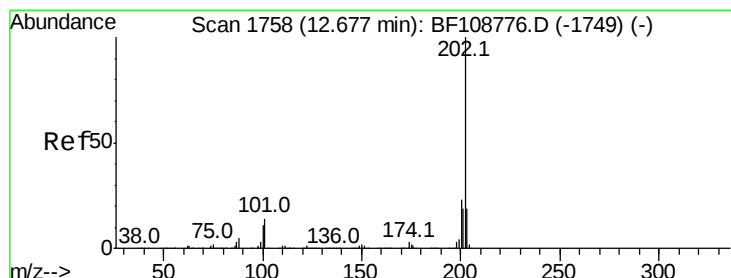
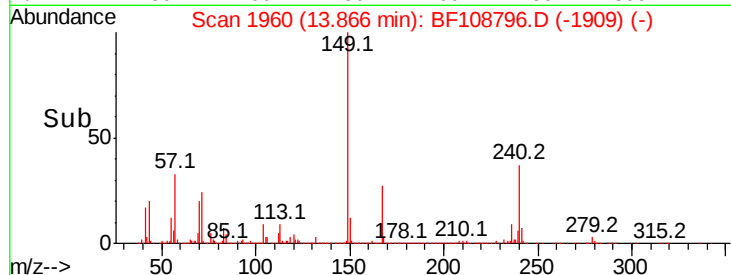
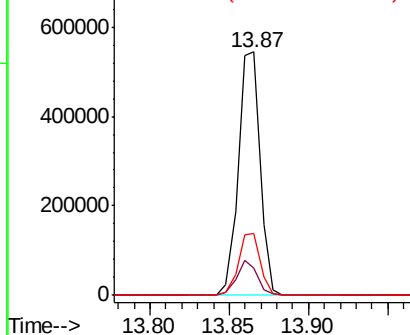


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 6.456 ng

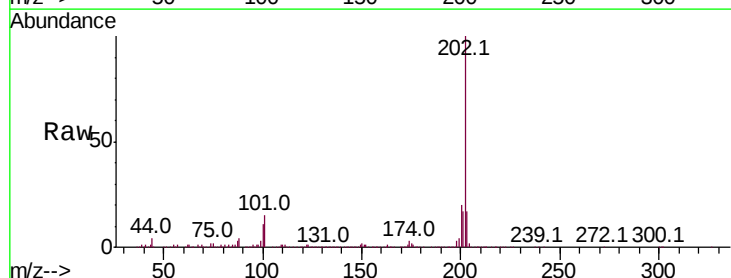
RT: 12.67 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BF108796.D

Acq: 6 Sep 2018 1:16

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.5	17.4	26.2	
203	16.5	14.3	21.5	

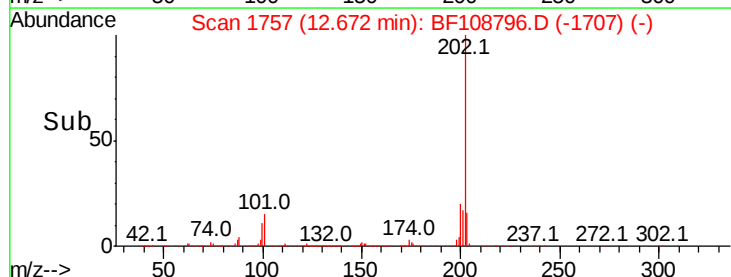
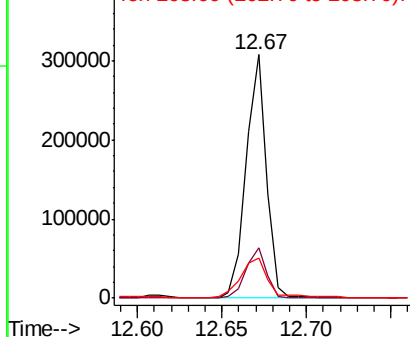


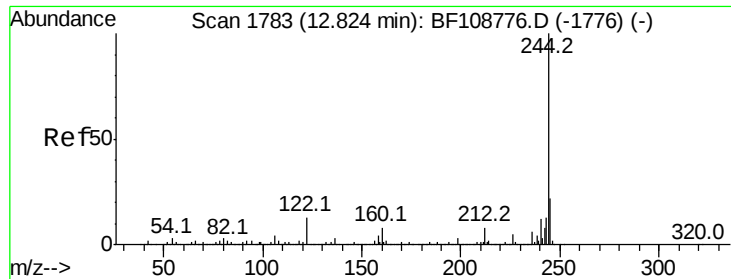
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 13.403 ng

RT: 12.82 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BF108796.D

Acq: 6 Sep 2018 1:16

Instrument :

BNA_F

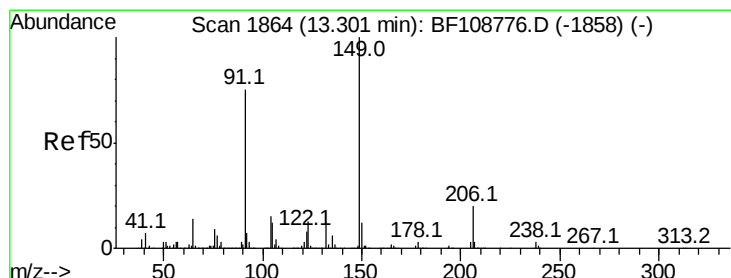
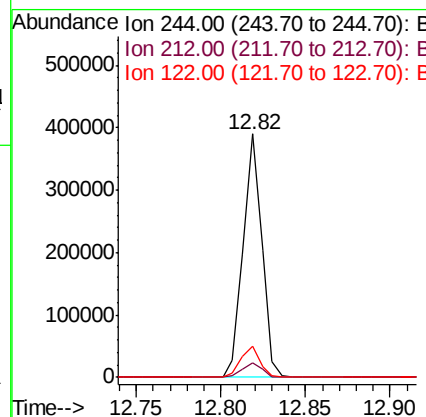
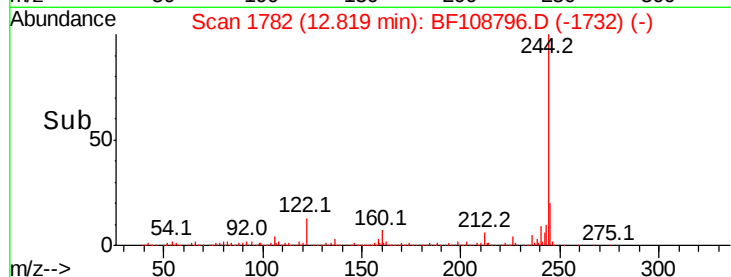
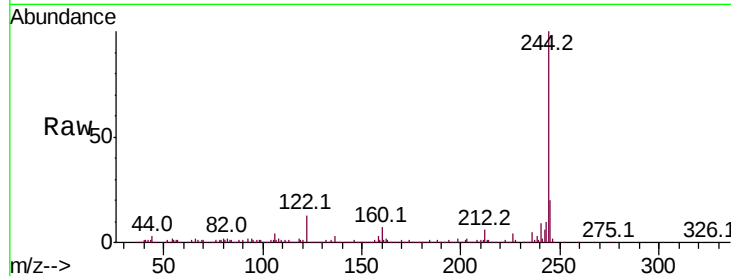
ClientSampleId :

DOCUMENTATION-#12

Tot Ion:	244	Resp:	299052
Ion Ratio	Lower	Upper	
244	100		
212	6.2	5.4	8.0
122	12.7	11.0	16.4

Manual Integrations
APPROVED

Sohil
9/6/2018 4:45:13 PM



#79

Butylbenzylphthalate

Concen: 5.782 ng

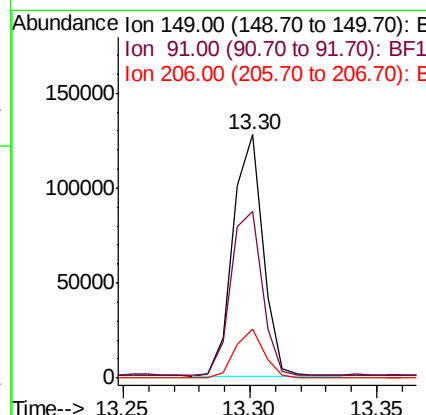
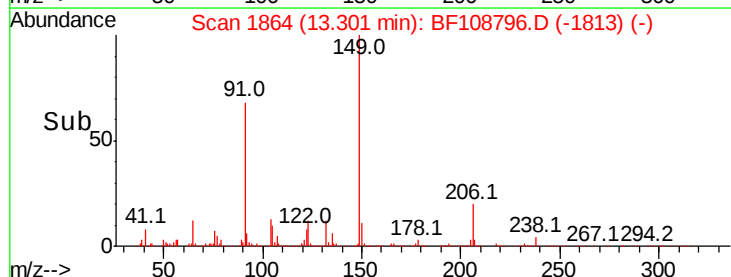
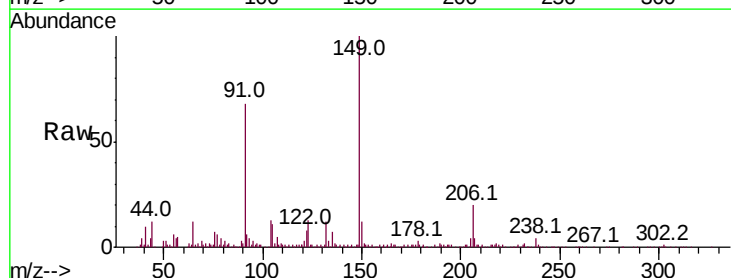
RT: 13.30 min Scan# 1864

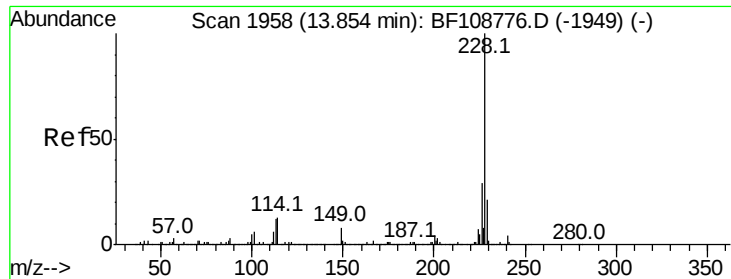
Delta R.T. 0.00 min

Lab File: BF108796.D

Acq: 6 Sep 2018 1:16

Tgt Ion:	149	Resp:	104249
Ion Ratio	Lower	Upper	
149	100		
91	68.3	56.8	85.2
206	19.9	14.1	21.1





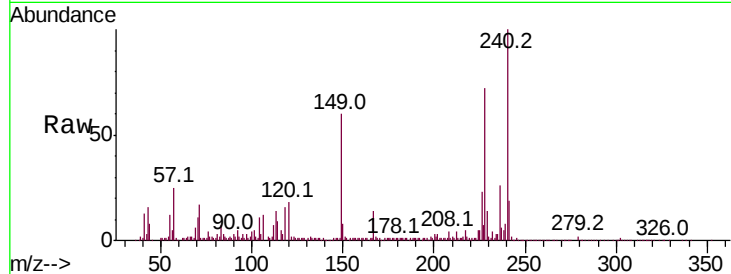
#80
Benzo(a)anthracene
Concen: 3.813 ng
RT: 13.85 min Scan# 1958
Delta R.T. 0.00 min
Lab File: BF108796.D
Acq: 6 Sep 2018 1:16

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-#12

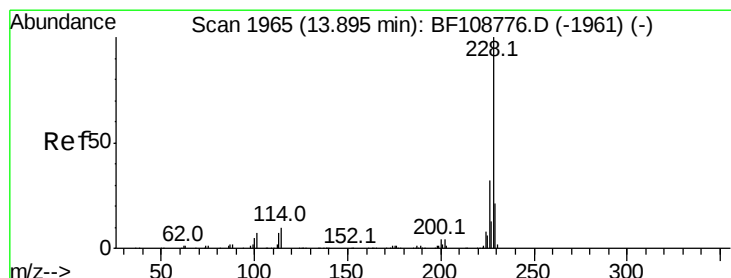
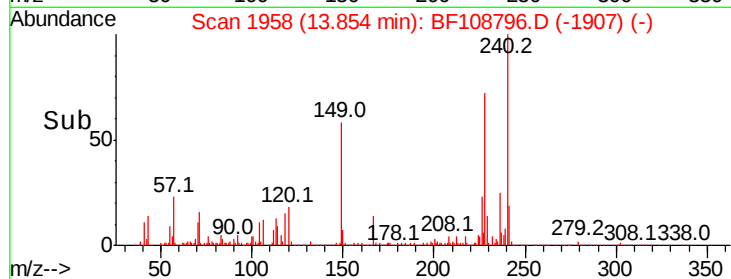
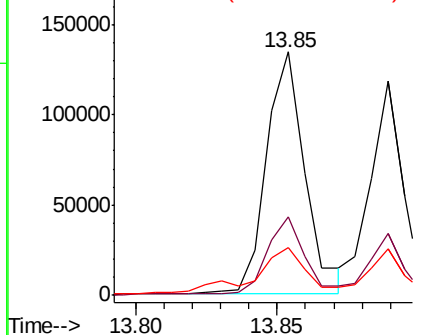
Tot Ion	Ratio	Lower	Upper
228	100		
226	32.4	22.6	33.8
229	19.8	15.8	23.6

Manual Integrations
APPROVED

Sohil
9/6/2018 4:45:13 PM



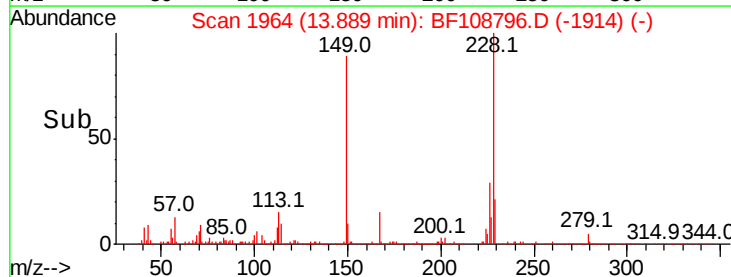
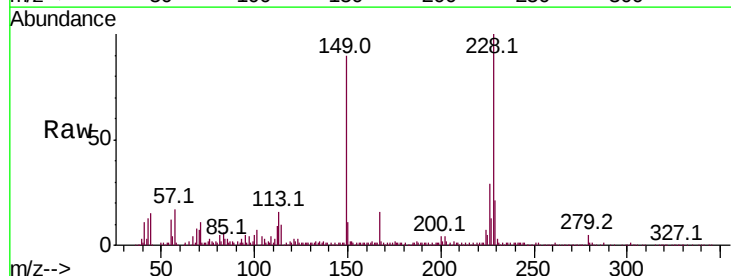
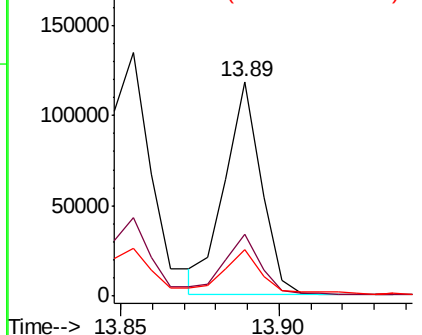
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

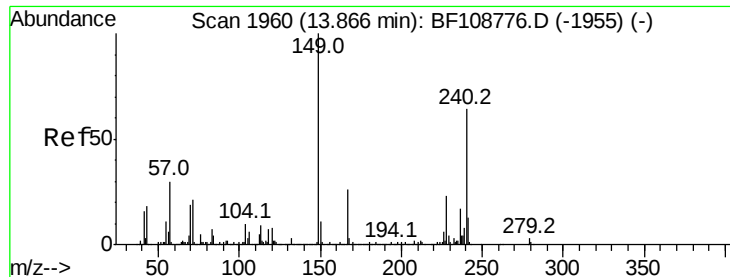


#82
Chrysene
Concen: 2.901 ng
RT: 13.89 min Scan# 1964
Delta R.T. -0.01 min
Lab File: BF108796.D
Acq: 6 Sep 2018 1:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	25.0	37.6
229	21.4	16.2	24.4

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





#83

Bis(2-ethylhexyl)phthalate

Concen: 134.311 ng

RT: 13.88 min Scan# 1962

Delta R.T. 0.01 min

Lab File: BF108796.D

Acq: 6 Sep 2018 1:16

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-#12

Tot Ion:149 Resp: 3043126

Ion Ratio Lower Upper

149 100

167 29.5 21.3 31.9

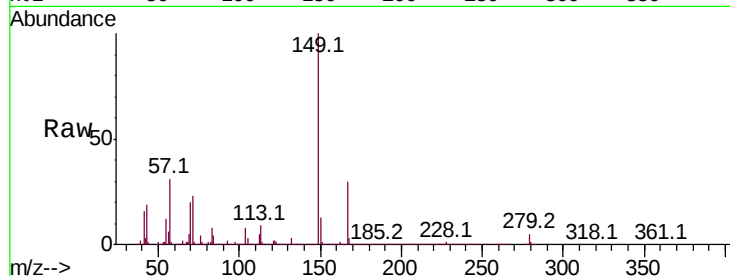
279 4.9 3.0 4.4#

Manual Integrations

APPROVED

Sohil

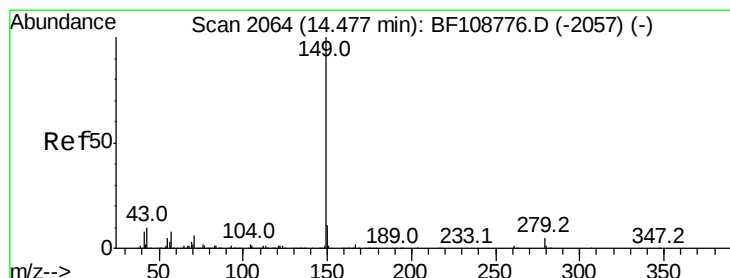
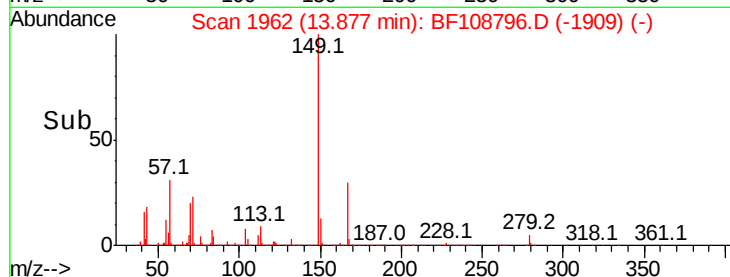
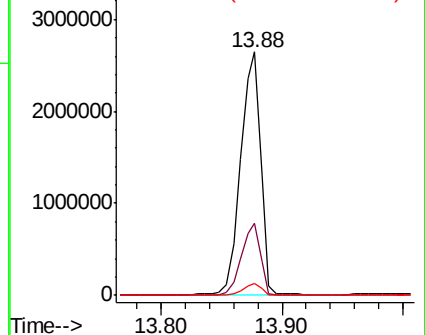
9/6/2018 4:45:13 PM



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



#84

Di-n-octyl phthalate

Concen: 3.364 ng

RT: 14.47 min Scan# 2063

Delta R.T. -0.01 min

Lab File: BF108796.D

Acq: 6 Sep 2018 1:16

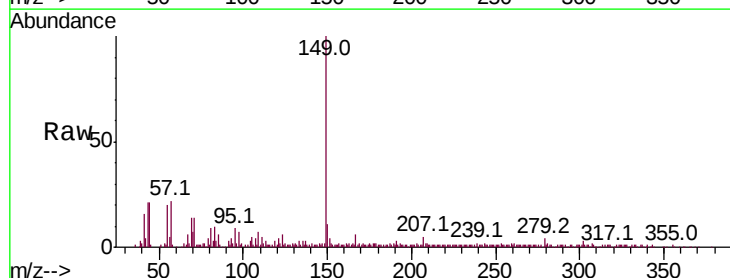
Tgt Ion:149 Resp: 127088

Ion Ratio Lower Upper

149 100

167 2.9 1.2 1.8#

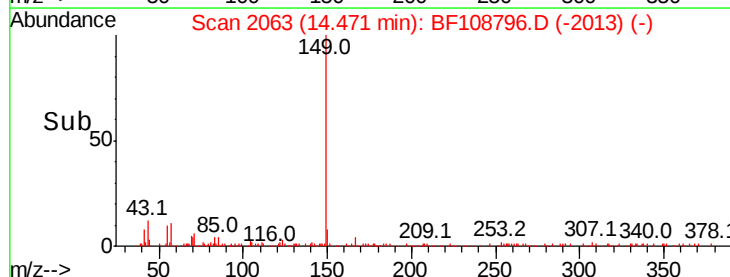
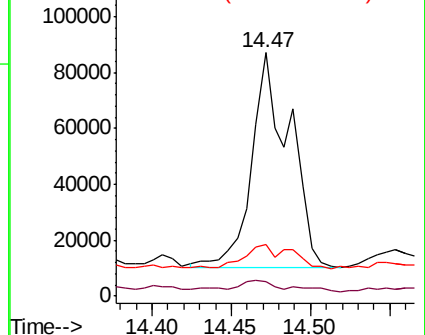
43 14.0 8.4 12.6#

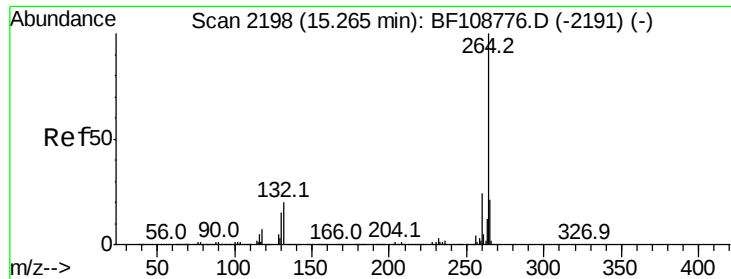


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1





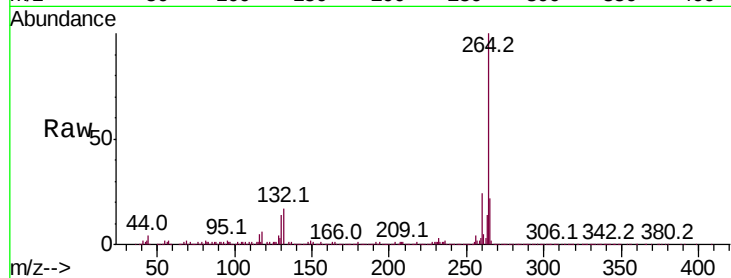
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2199
Delta R.T. 0.01 min
Lab File: BF108796.D
Acq: 6 Sep 2018 1:16

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-#12

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.3	17.5	26.3

Manual Integrations
APPROVED

Sohil
9/6/2018 4:45:13 PM



Abundance

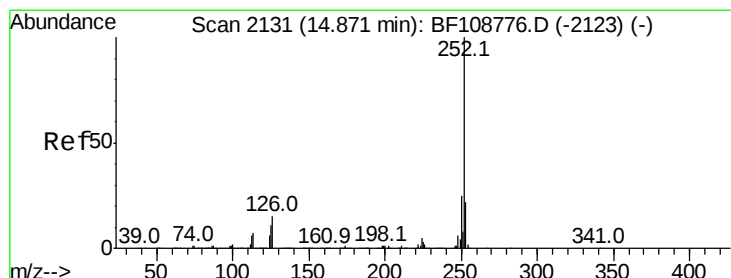
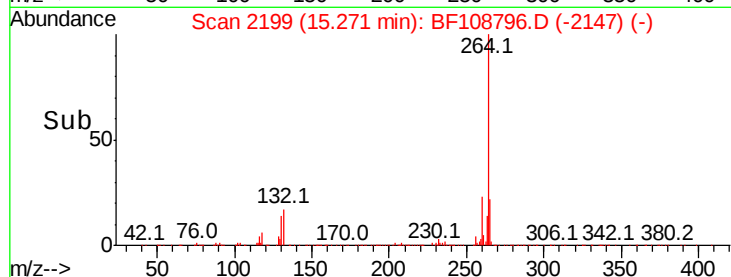
Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

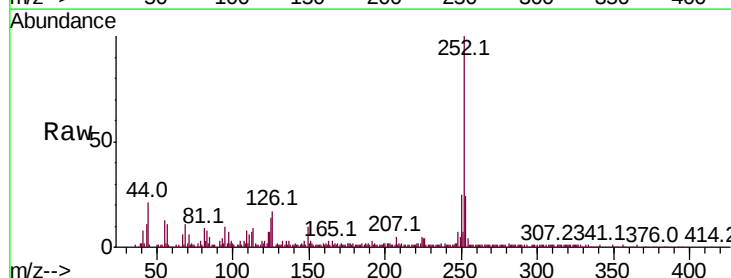
15.27

Time-->



#87
Benzo(b)fluoranthene
Concen: 4.939 ng m
RT: 14.87 min Scan# 2131
Delta R.T. 0.00 min
Lab File: BF108796.D
Acq: 6 Sep 2018 1:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.0	25.6
125	14.2	9.0	13.6#



Abundance

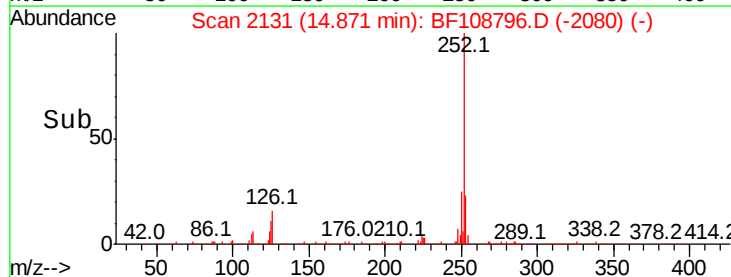
Ion 252.00 (251.70 to 252.70): E

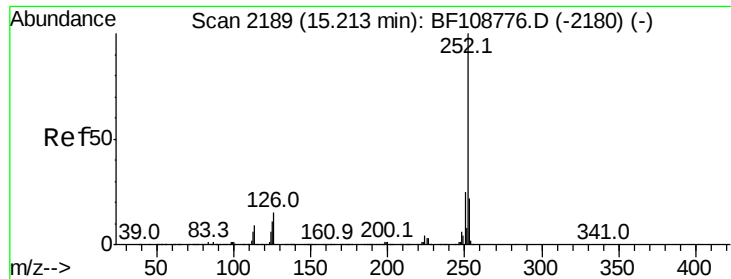
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

14.87

Time-->





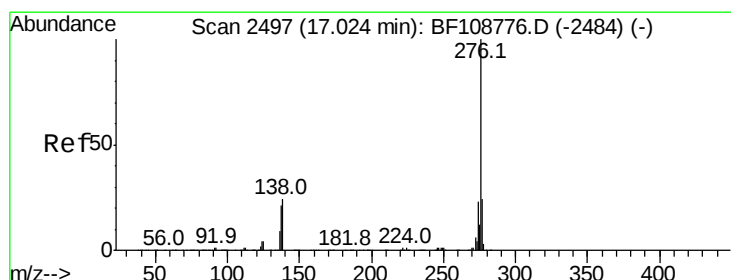
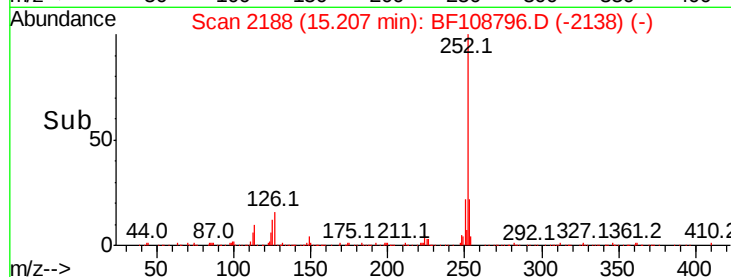
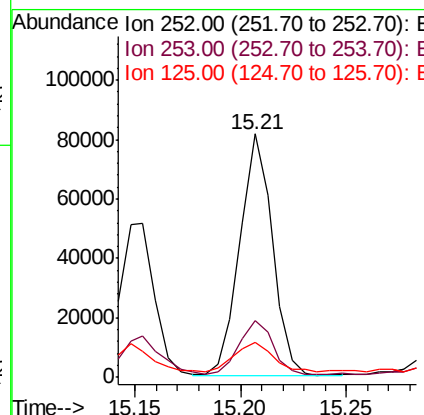
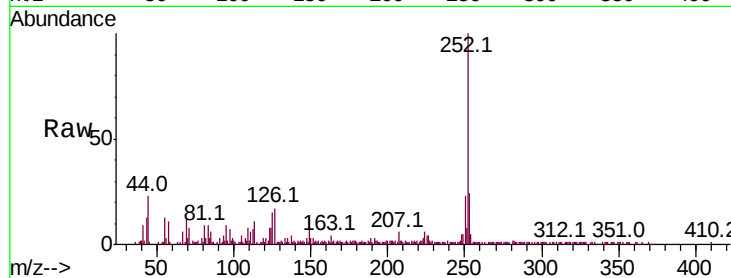
#89
Benzo(a)pyrene
Concen: 3.645 ng
RT: 15.21 min Scan# 2188
Delta R.T. -0.01 min
Lab File: BF108796.D
Acq: 6 Sep 2018 1:16

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-#12

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	14.6	9.8	14.6

Manual Integrations
APPROVED

Sohil
9/6/2018 4:45:13 PM



#91
Benzo(g,h,i)perylene
Concen: 2.377 ng
RT: 17.01 min Scan# 2495
Delta R.T. -0.01 min
Lab File: BF108796.D
Acq: 6 Sep 2018 1:16

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	17.9	26.9
138	23.5	21.8	32.8

