

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030619\
 Data File : BF112902.D
 Acq On : 7 Mar 2019 1:10
 Operator : JU/SJ
 Sample : K1705-06
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EXT-028-SW008-022719

Manual Integrations
 APPROVED

Sohil
 3/7/2019 11:02:47 AM

Quant Time: Mar 07 05:33:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	223872	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	798461	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	337823	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	619255	20.00	ng	0.00
76) Chrysene-d12	13.86	240	582747	20.00	ng	-0.01
87) Perylene-d12	15.26	264	642837	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	1515740	105.32	ng	0.00
7) Phenol-d6	6.37	99	1902797	105.25	ng	0.00
23) Nitrobenzene-d5	7.29	82	1163326	87.18	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	458551	127.86	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	1762306	86.96	ng	-0.01
79) Terphenyl-d14	12.82	244	1603705	53.35	ng	-0.01
Target Compounds						
10) Phenol	6.38	94	139885	6.631	ng	90
50) Dimethylphthalate	9.48	163	150361	6.036	ng	99
71) Phenanthrene	11.26	178	137687	4.469	ng	97
75) Fluoranthene	12.44	202	215277	6.522	ng	98
78) Pyrene	12.67	202	194601	3.961	ng	98
81) Benzo(a)anthracene	13.85	228	101013	2.501	ng	97
83) Chrysene	13.89	228	105999	2.679	ng	97
84) Bis(2-ethylhexyl)phthalate	13.86	149	443001	17.417	ng	99
88) Benzo(b)fluoranthene	14.86	252	122365m	2.943	ng	
90) Benzo(a)pyrene	15.20	252	84784	2.305	ng	97

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

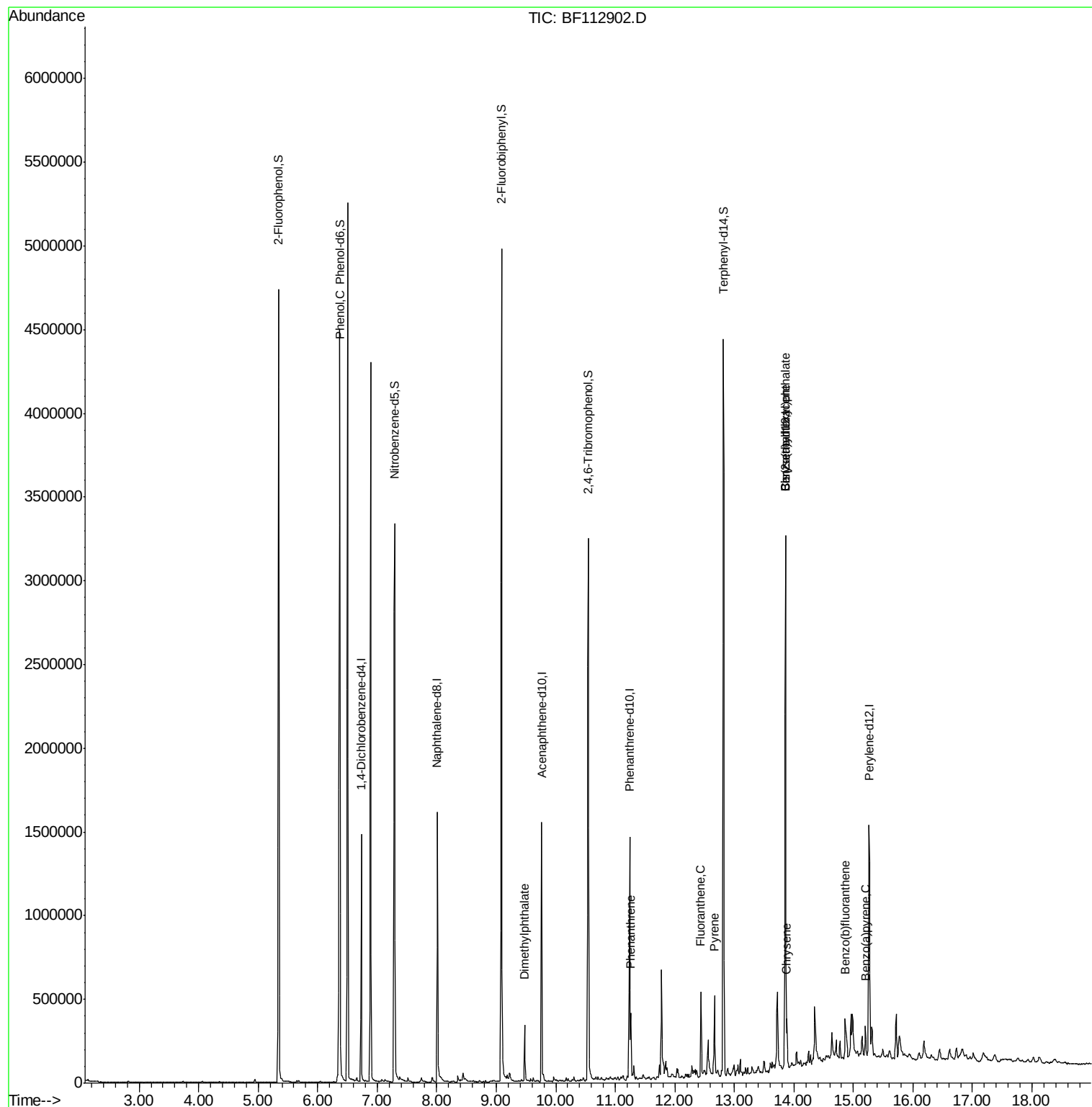
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030619\
Data File : BF112902.D
Acq On : 7 Mar 2019 1:10
Operator : JU/SJ
Sample : K1705-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

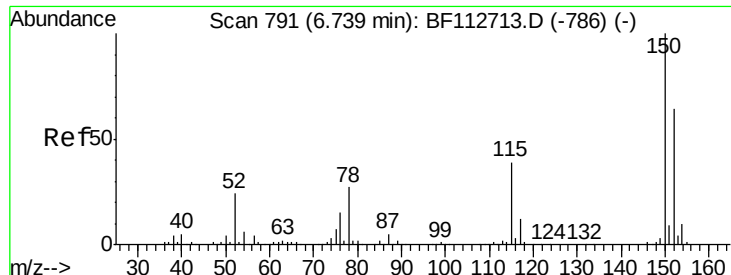
Instrument :
BNA_F
ClientSampleId :
EXT-028-SW008-022719

Manual Integrations
APPROVED

Sohil
3/7/2019 11:02:47 AM

Quant Time: Mar 07 05:33:59 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 01 15:40:43 2019
Response via : Initial Calibration





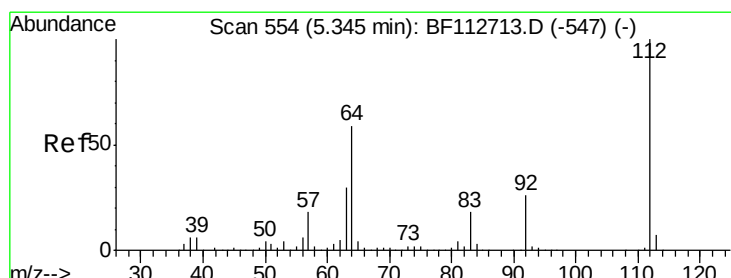
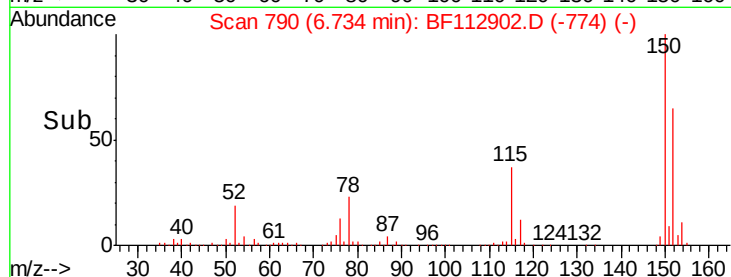
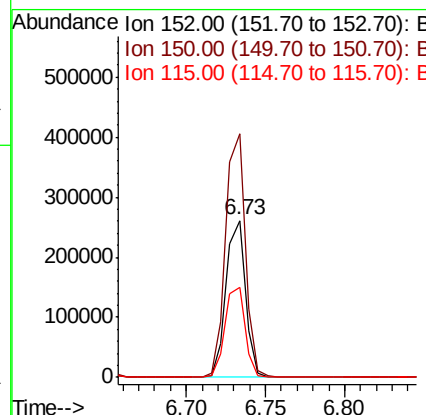
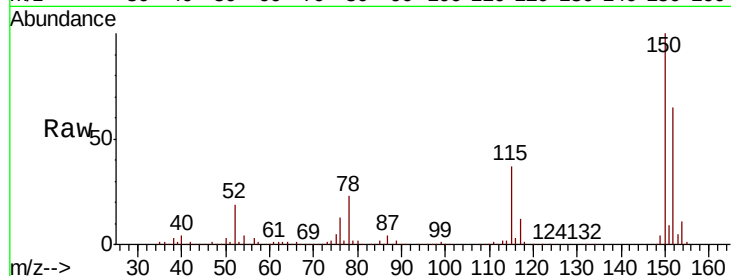
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 790
 Delta R.T. -0.01 min
 Lab File: BF112902.D
 Acq: 7 Mar 2019 1:10

Instrument :
 BNA_F
 ClientSampleId :
 EXT-028-SW008-022719

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	124.2	186.2
115	56.9	48.2	72.4

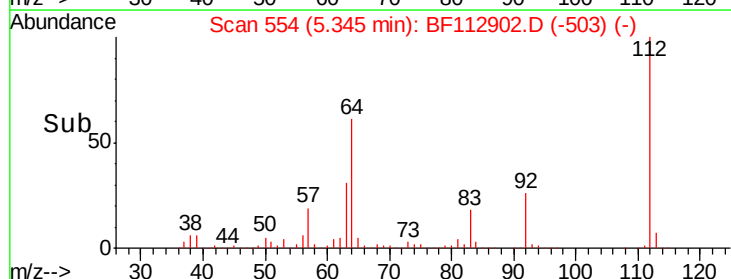
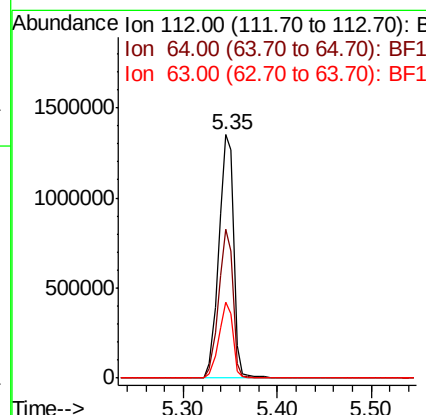
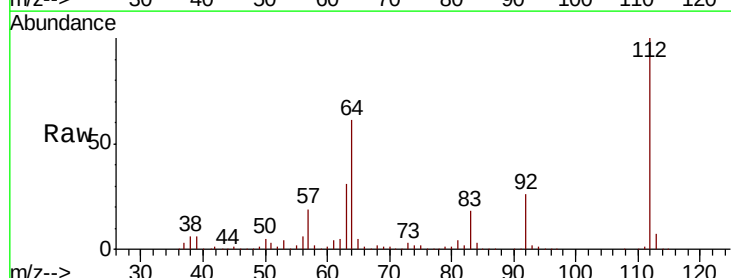
Manual Integrations
 APPROVED

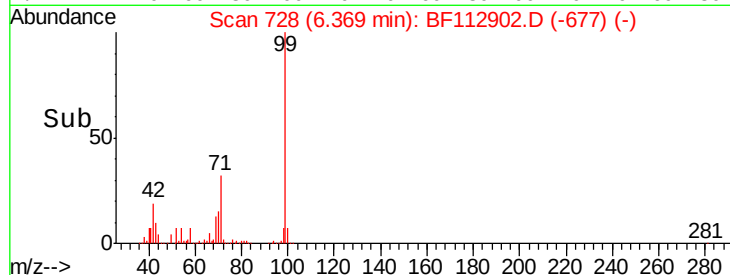
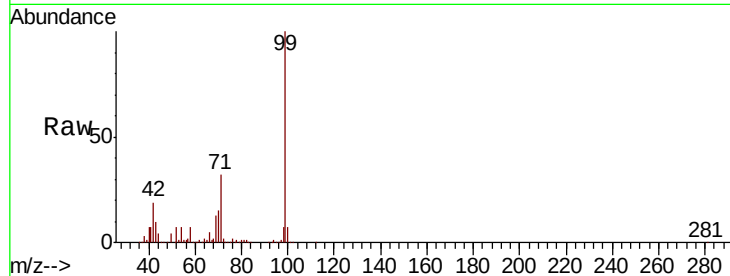
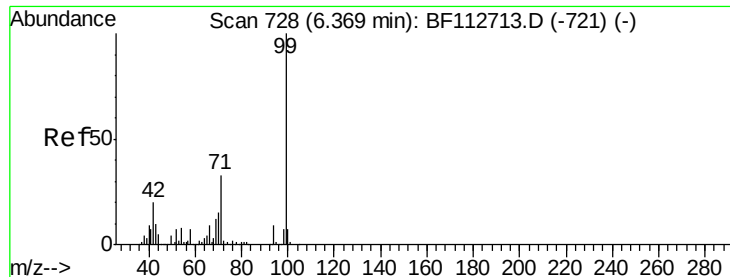
Sohil
 3/7/2019 11:02:47 AM



#5
 2-Fluorophenol
 Concen: 105.319 ng
 RT: 5.35 min Scan# 554
 Delta R.T. -0.00 min
 Lab File: BF112902.D
 Acq: 7 Mar 2019 1:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.3	47.6	71.4
63	31.3	24.4	36.6





#7

Phenol-d6

Concen: 105.252 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.00 min

Lab File: BF112902.D

Acq: 7 Mar 2019 1:10

Tot Ion:	99	Resp:	1902797
Ion	Ratio	Lower	Upper
99	100		
42	18.7	16.3	24.5
71	32.1	26.2	39.4

Instrument :

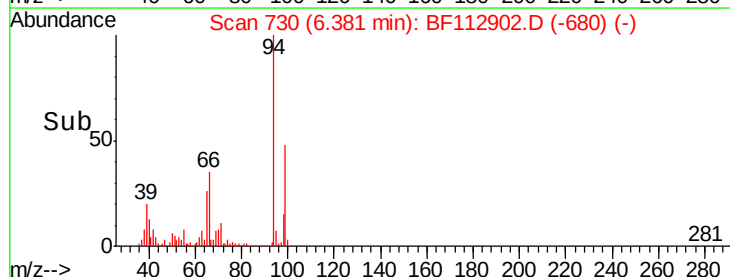
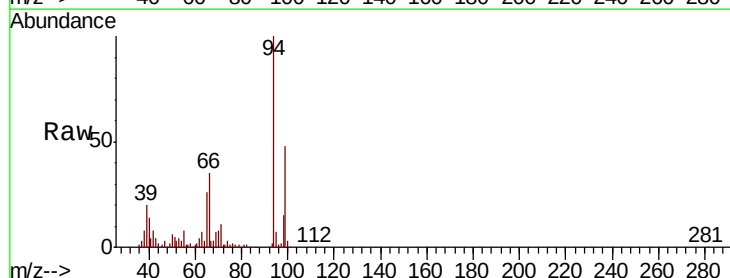
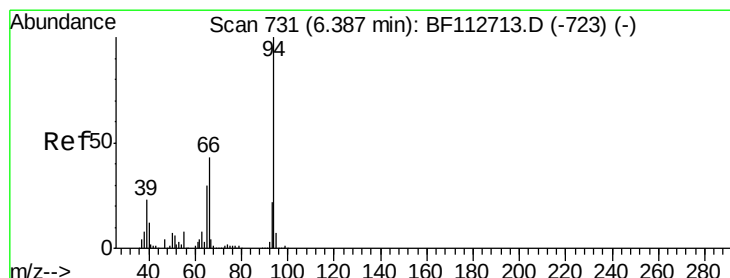
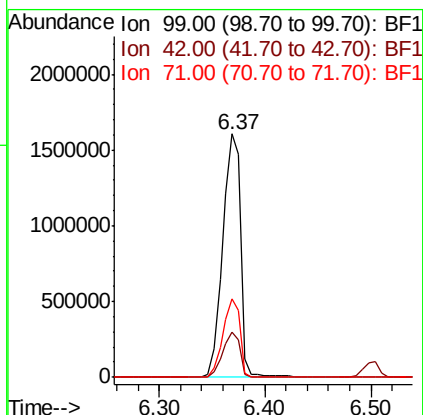
BNA_F

ClientSampleId :

EXT-028-SW008-022719

Manual Integrations
APPROVED

Sohil
3/7/2019 11:02:47 AM



#10

Phenol

Concen: 6.631 ng

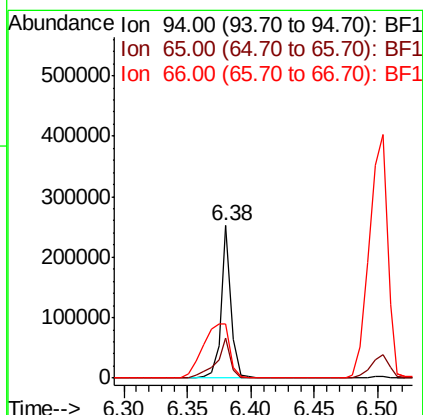
RT: 6.38 min Scan# 730

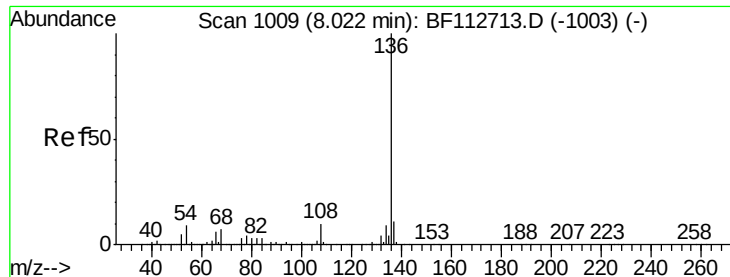
Delta R.T. -0.01 min

Lab File: BF112902.D

Acq: 7 Mar 2019 1:10

Tgt Ion:	94	Resp:	139885
Ion	Ratio	Lower	Upper
94	100		
65	26.4	10.5	50.5
66	35.3	22.6	62.6





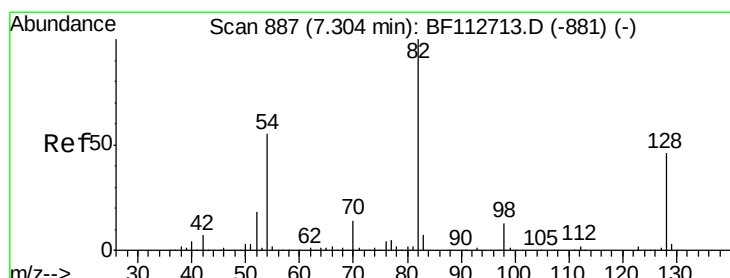
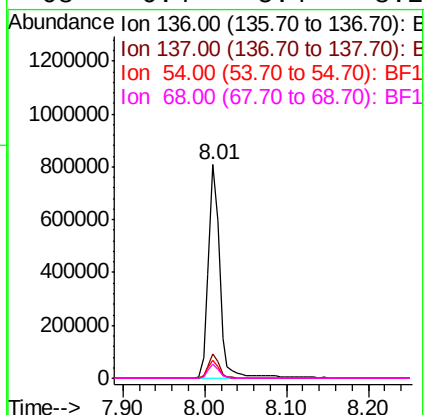
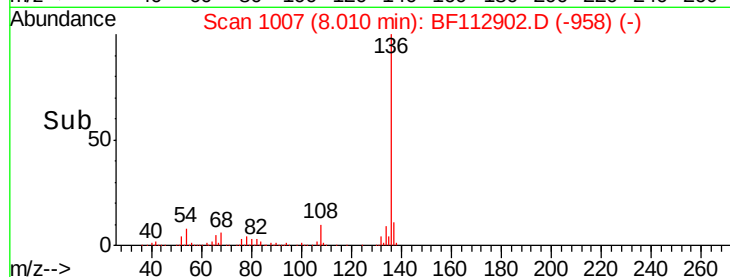
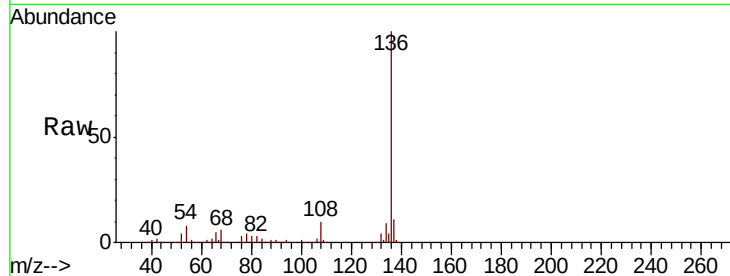
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF112902.D
Acq: 7 Mar 2019 1:10

Instrument :
BNA_F
ClientSampleId :
EXT-028-SW008-022719

Tot Ion	Ratio	Resp	Lower	Upper
136	100	798461		
137	11.1	8.9	13.3	
54	8.4	7.3	10.9	
68	6.4	5.4	8.2	

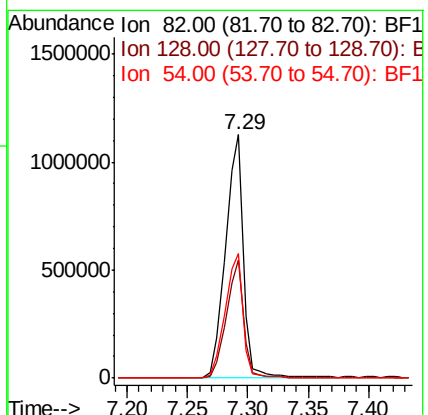
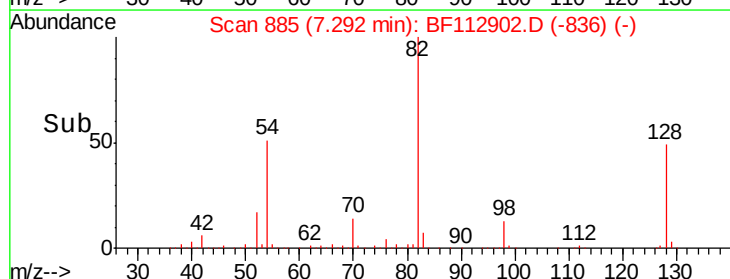
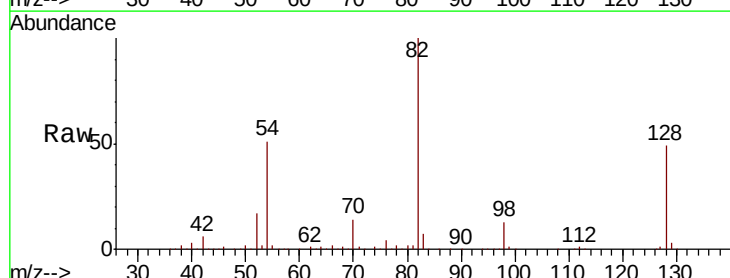
Manual Integrations
APPROVED

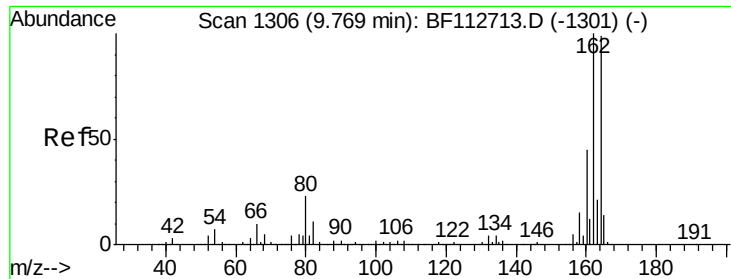
Sohil
3/7/2019 11:02:47 AM



#23
Nitrobenzene-d5
Concen: 87.182 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF112902.D
Acq: 7 Mar 2019 1:10

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	1163326		
128	48.8	36.3	54.5	
54	51.4	43.7	65.5	





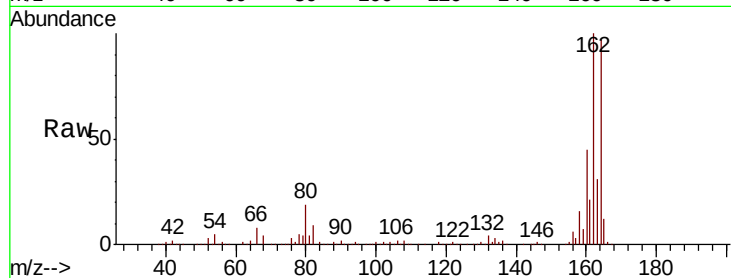
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF112902.D
Acq: 7 Mar 2019 1:10

Instrument :
BNA_F
ClientSampleId :
EXT-028-SW008-022719

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.7	80.6	120.8	
160	46.0	36.0	54.0	

Manual Integrations
APPROVED

Sohil
3/7/2019 11:02:47 AM

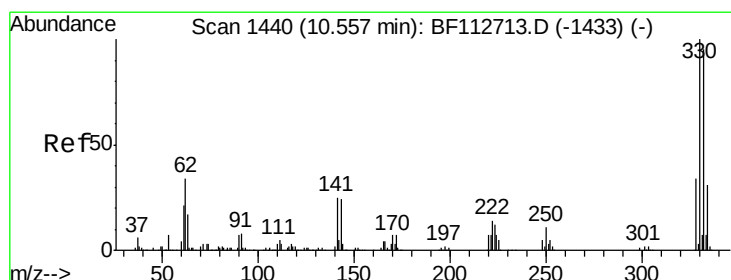
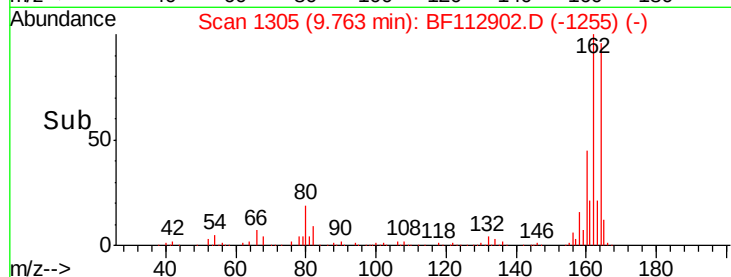
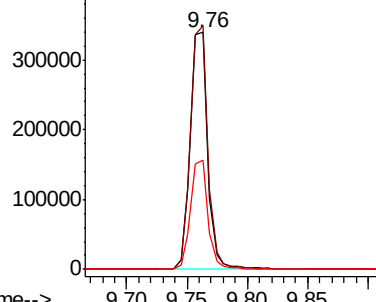


Abundance

Ion 164.00 (163.70 to 164.70): E

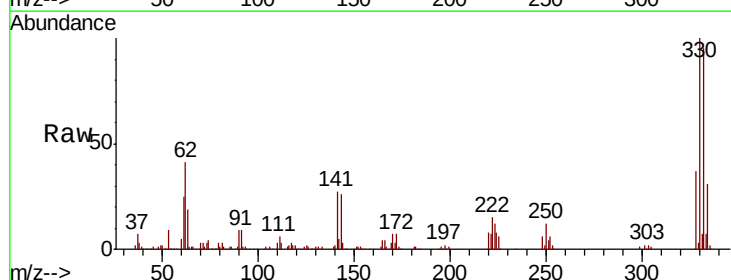
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 127.858 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF112902.D
Acq: 7 Mar 2019 1:10

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.6	76.2	114.4	
141	28.4	27.0	40.6	

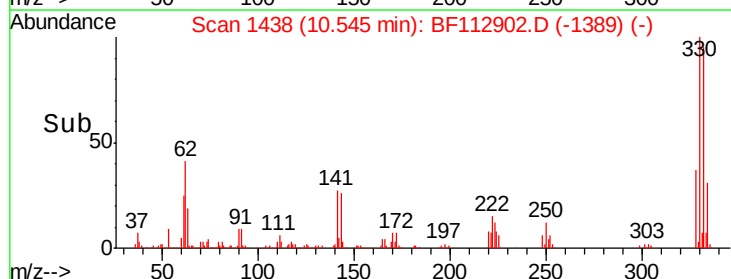
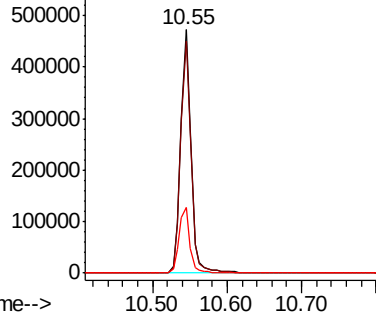


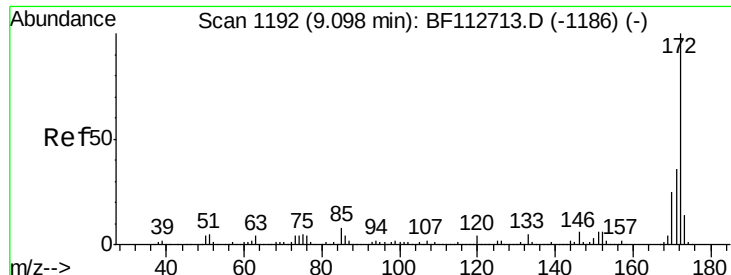
Abundance

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





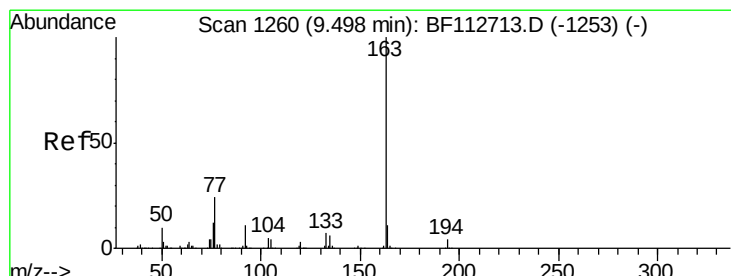
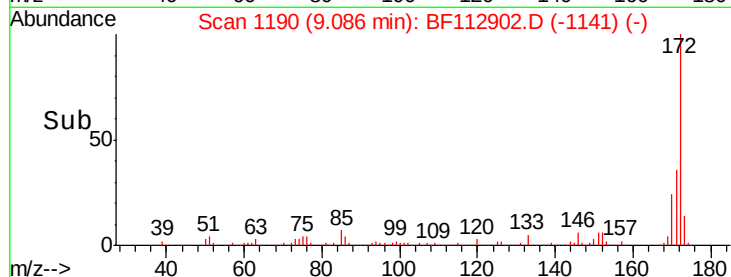
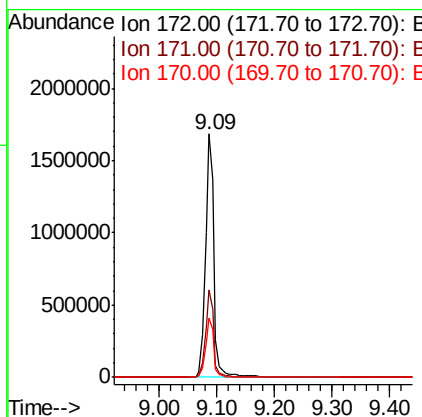
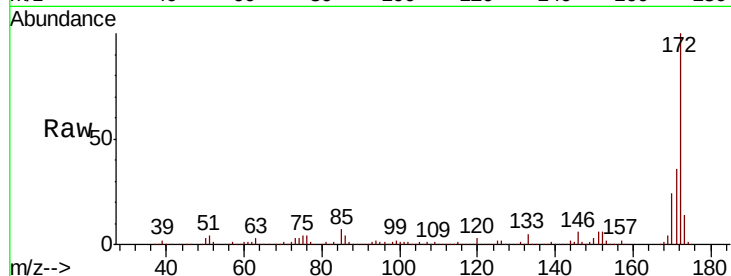
#45
2-Fluorobiphenyl
Concen: 86.964 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF112902.D
Acq: 7 Mar 2019 1:10

Instrument :
BNA_F
ClientSampleId :
EXT-028-SW008-022719

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.0	43.4
170	24.4	20.0	30.0

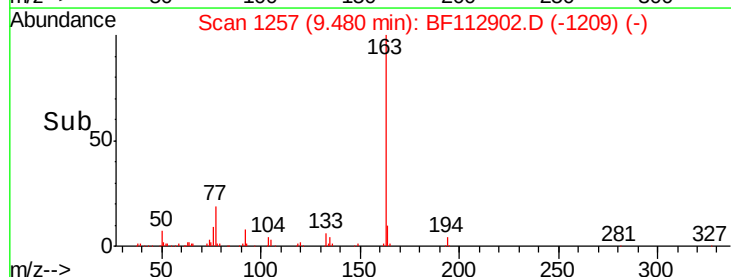
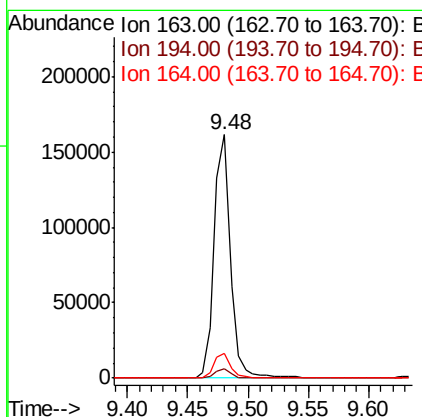
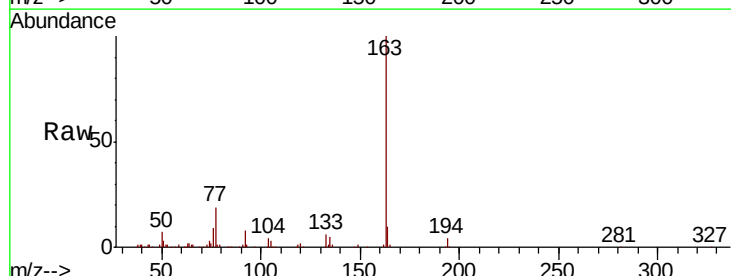
Manual Integrations
APPROVED

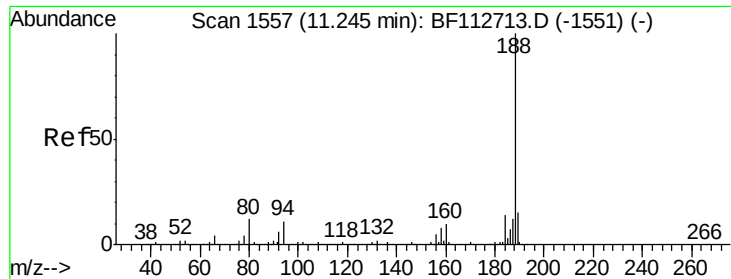
Sohil
3/7/2019 11:02:47 AM



#50
Dimethylphthalate
Concen: 6.036 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BF112902.D
Acq: 7 Mar 2019 1:10

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.4
164	10.0	8.4	12.6





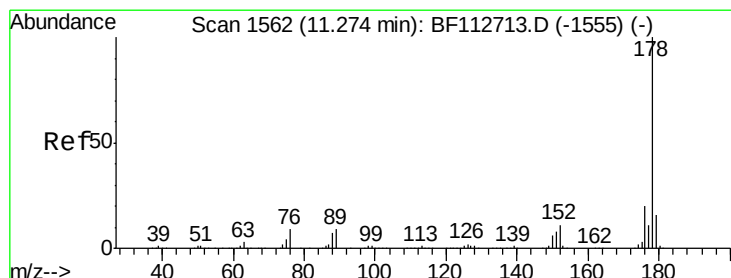
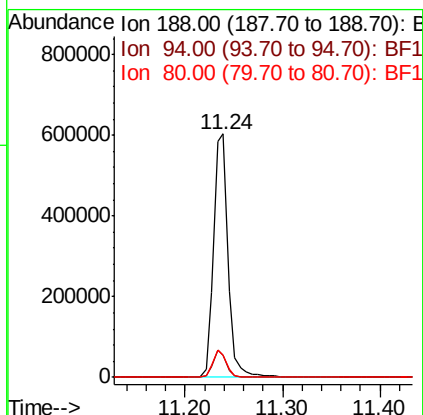
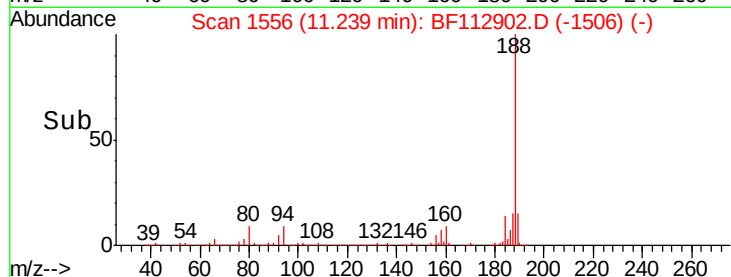
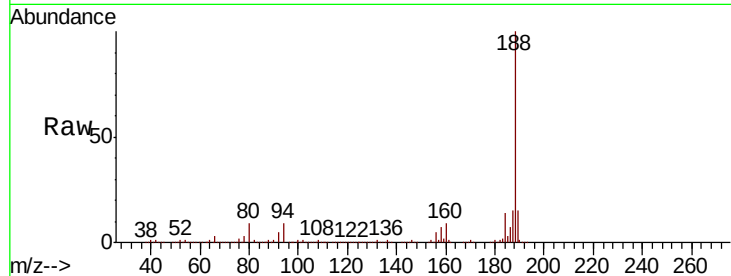
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF112902.D
Acq: 7 Mar 2019 1:10

Instrument :
BNA_F
ClientSampleId :
EXT-028-SW008-022719

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.4	9.0	13.4
80	9.3	9.2	13.8

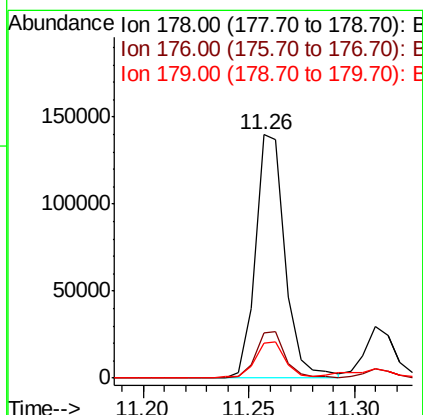
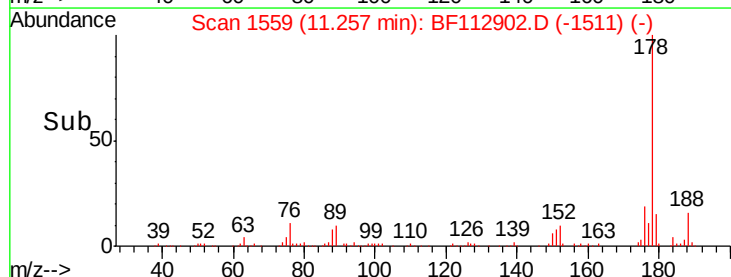
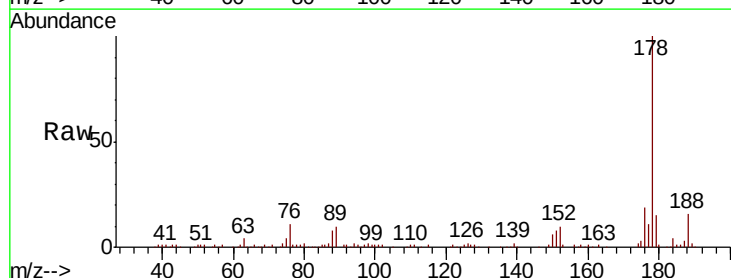
Manual Integrations
APPROVED

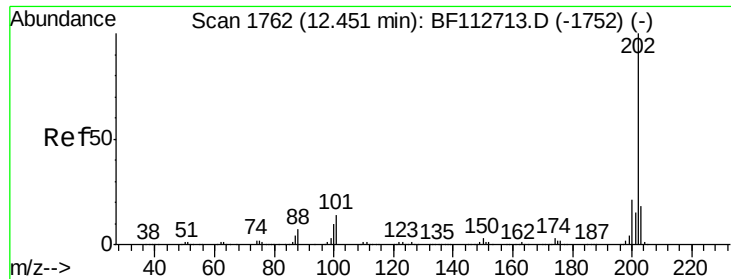
Sohil
3/7/2019 11:02:47 AM



#71
Phenanthrene
Concen: 4.469 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.02 min
Lab File: BF112902.D
Acq: 7 Mar 2019 1:10

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.8	16.3	24.5
179	14.5	12.7	19.1





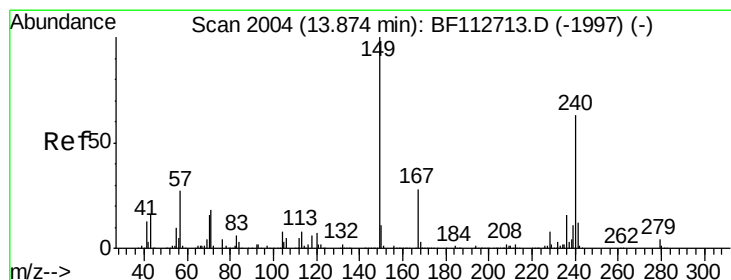
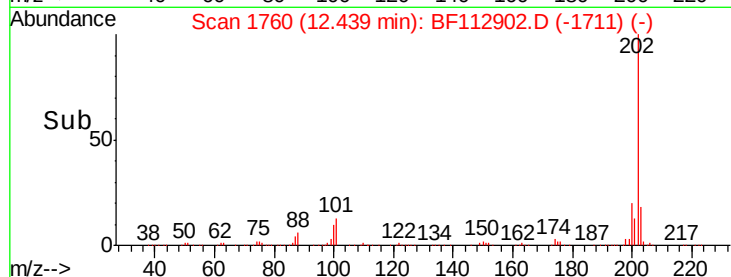
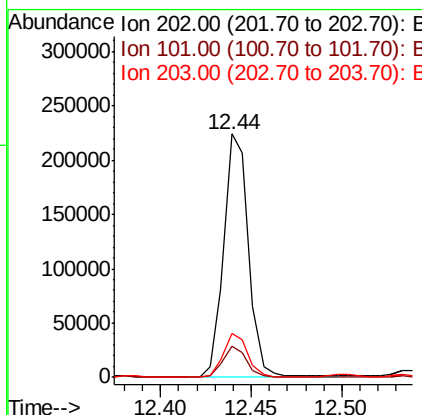
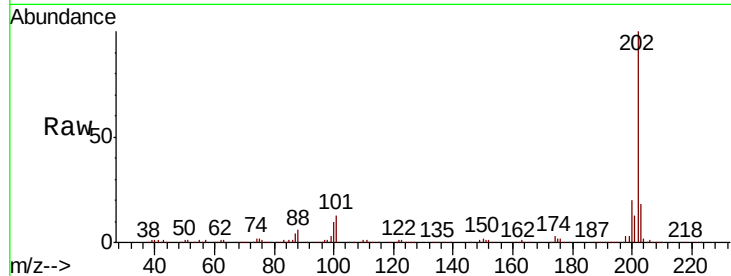
#75
Fluoranthene
Concen: 6.522 ng
RT: 12.44 min Scan# 1760
Delta R.T. -0.01 min
Lab File: BF112902.D
Acq: 7 Mar 2019 1:10

Instrument :
BNA_F
ClientSampleId :
EXT-028-SW008-022719

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.8	0.0	33.8
203	17.9	0.0	38.4

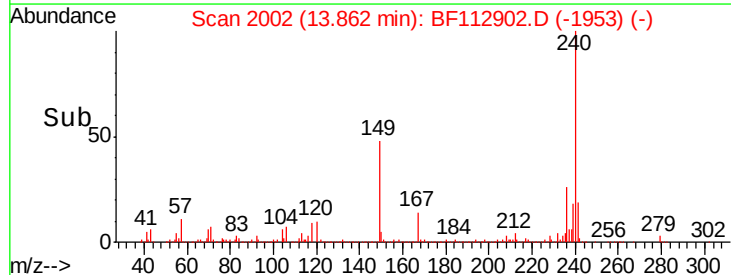
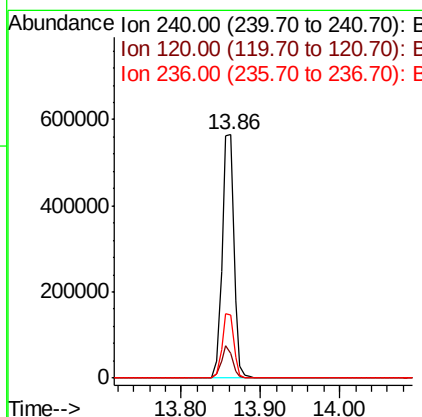
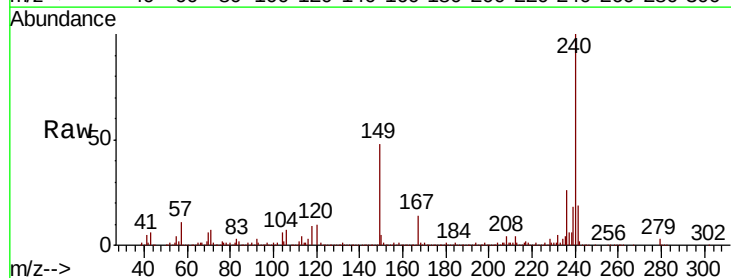
Manual Integrations
APPROVED

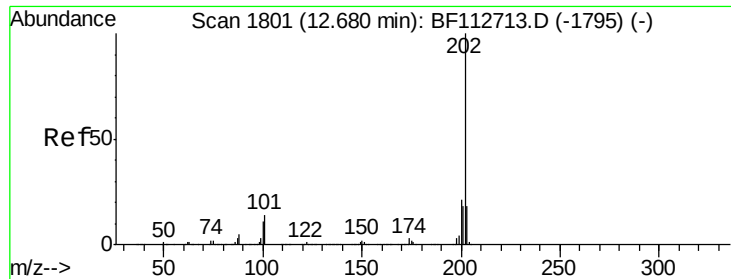
Sohil
3/7/2019 11:02:47 AM



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF112902.D
Acq: 7 Mar 2019 1:10

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.3	8.9	13.3
236	26.0	20.7	31.1





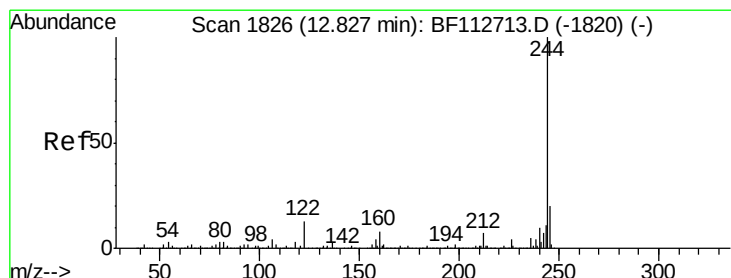
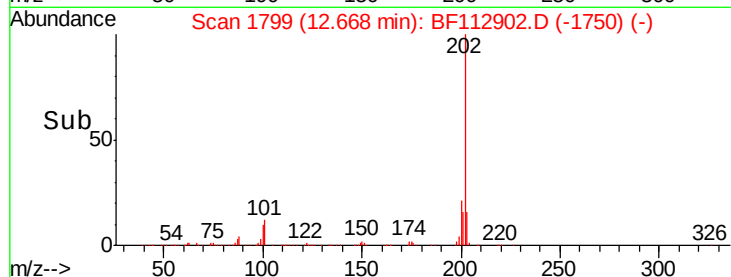
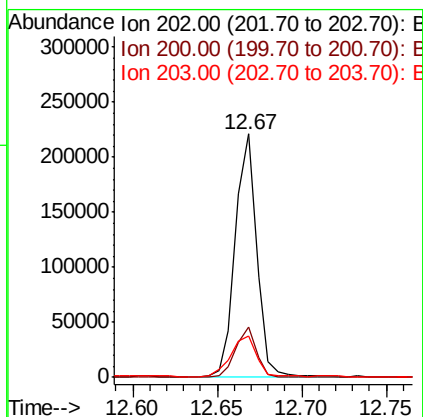
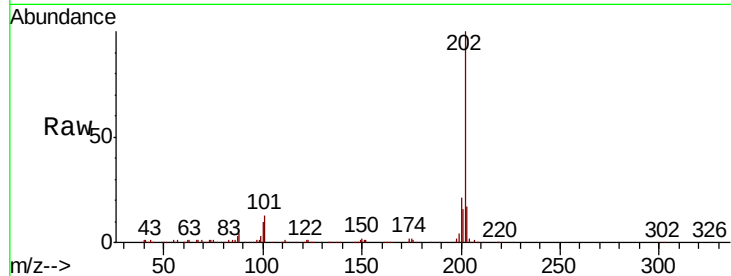
#78
Pvrene
Concen: 3.961 ng
RT: 12.67 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF112902.D
Acq: 7 Mar 2019 1:10

Instrument :
BNA_F
ClientSampleId :
EXT-028-SW008-022719

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.7	17.0	25.4
203	17.1	14.4	21.6

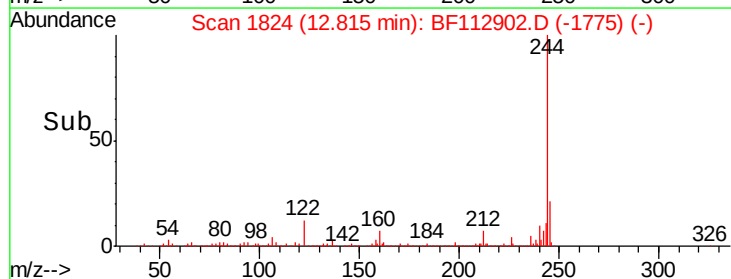
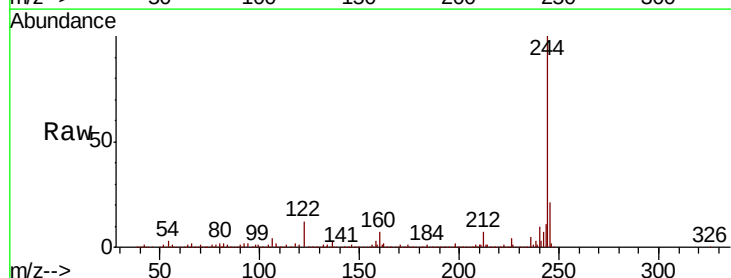
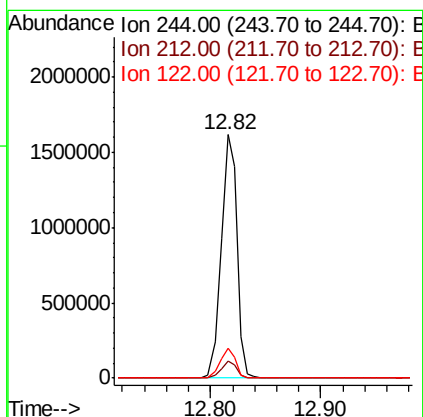
Manual Integrations
APPROVED

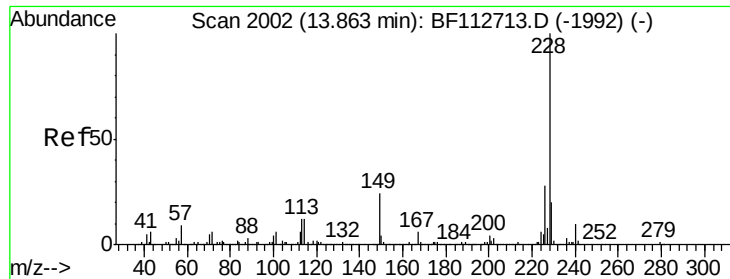
Sohil
3/7/2019 11:02:47 AM



#79
Terphenyl-d14
Concen: 53.347 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF112902.D
Acq: 7 Mar 2019 1:10

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.8	5.6	8.4
122	12.5	10.5	15.7





#81

Benzo(a)anthracene

Concen: 2.501 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF112902.D

Acq: 7 Mar 2019 1:10

Instrument :

BNA_F

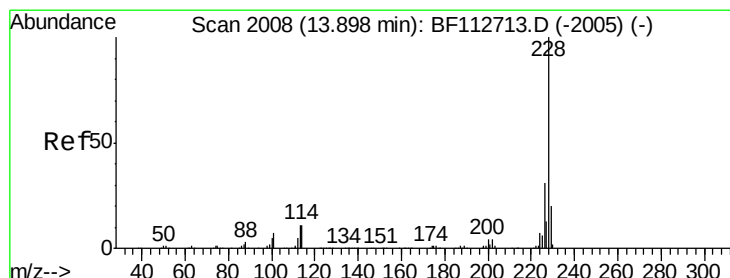
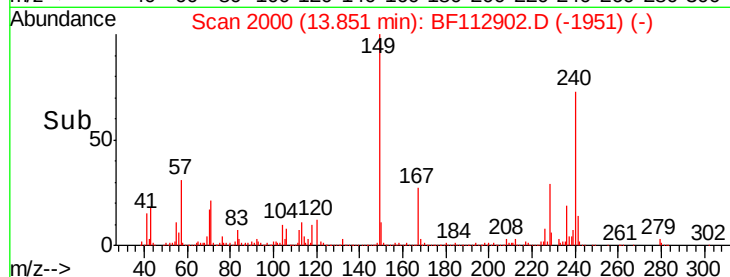
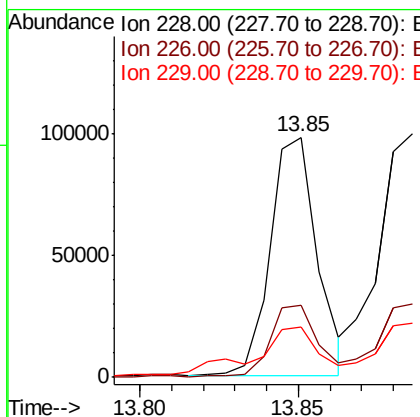
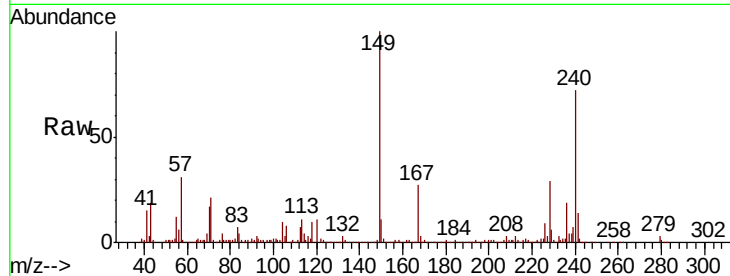
ClientSampleId :

EXT-028-SW008-022719

Tot Ion:	228	Resp:	101013
Ion Ratio	Lower	Upper	
228	100		
226	30.1	22.2	33.4
229	21.0	16.0	24.0

Manual Integrations
APPROVED

Sohil
3/7/2019 11:02:47 AM



#83

Chrysene

Concen: 2.679 ng

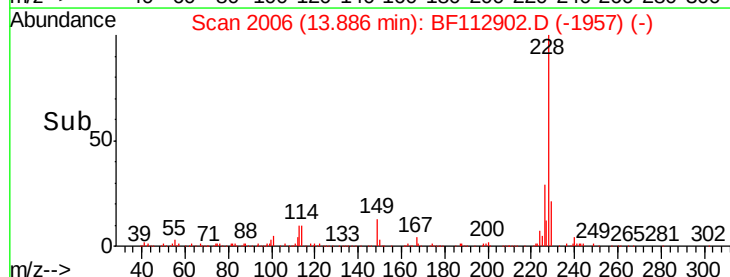
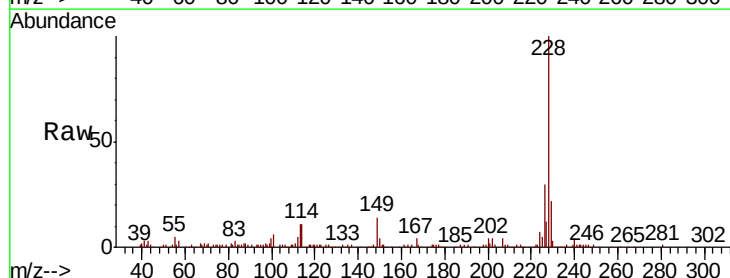
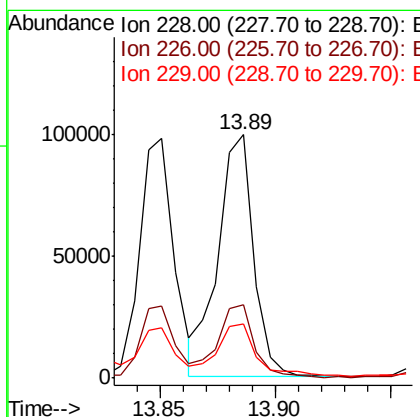
RT: 13.89 min Scan# 2006

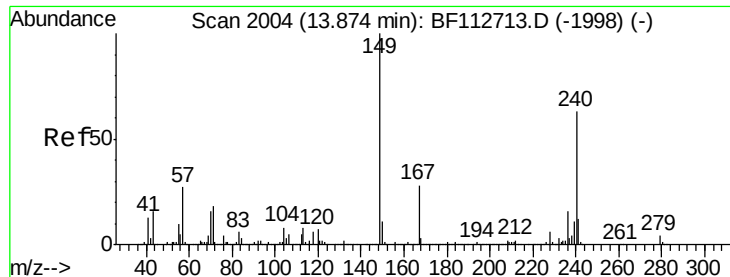
Delta R.T. -0.01 min

Lab File: BF112902.D

Acq: 7 Mar 2019 1:10

Tgt Ion:	228	Resp:	105999
Ion Ratio	Lower	Upper	
228	100		
226	29.9	24.9	37.3
229	22.1	16.3	24.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 17.417 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.02 min

Lab File: BF112902.D

Acq: 7 Mar 2019 1:10

Instrument :

BNA_F

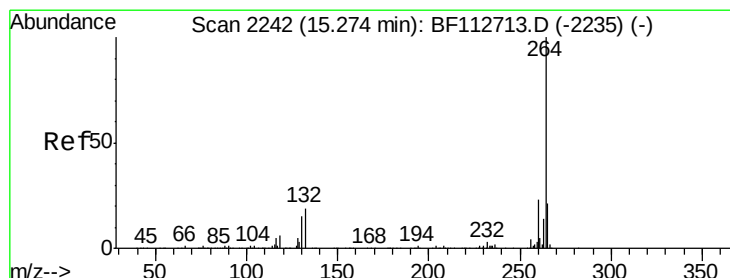
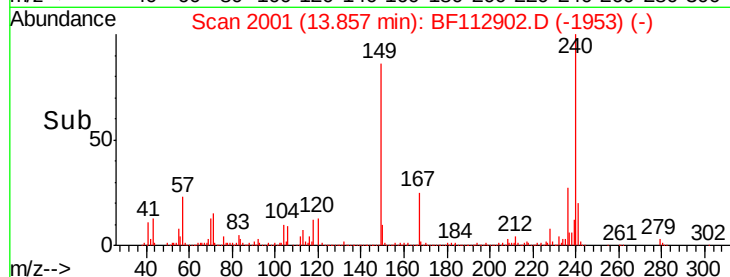
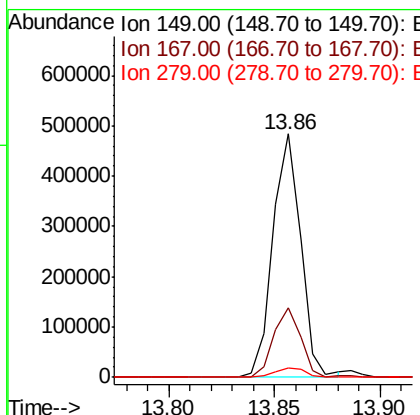
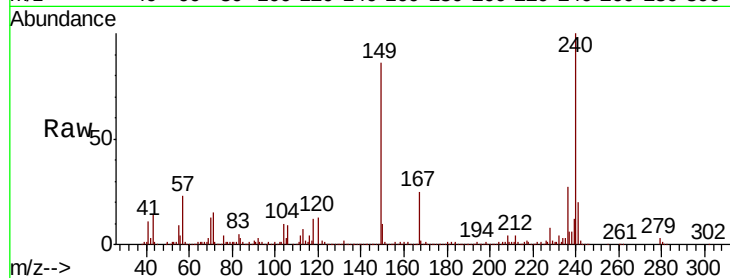
ClientSampleId :

EXT-028-SW008-022719

Tot Ion:	149	Resp:	443001
Ion Ratio		Lower	Upper
149	100		
167	28.7	22.4	33.6
279	4.0	3.3	4.9

Manual Integrations
APPROVED

Sohil
3/7/2019 11:02:47 AM



#87

Perylene-d12

Concen: 20.000 ng

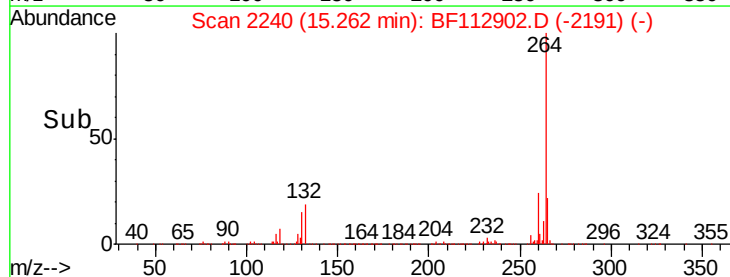
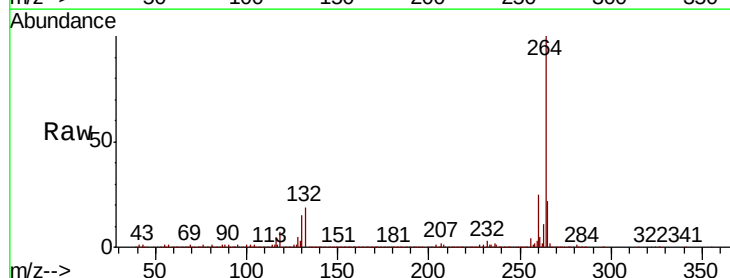
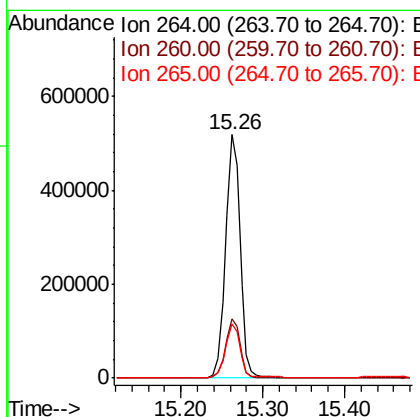
RT: 15.26 min Scan# 2240

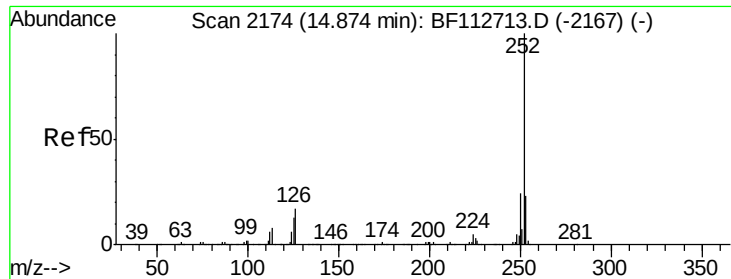
Delta R.T. -0.01 min

Lab File: BF112902.D

Acq: 7 Mar 2019 1:10

Tgt Ion:	264	Resp:	642837
Ion Ratio		Lower	Upper
264	100		
260	24.5	18.7	28.1
265	22.0	17.2	25.8





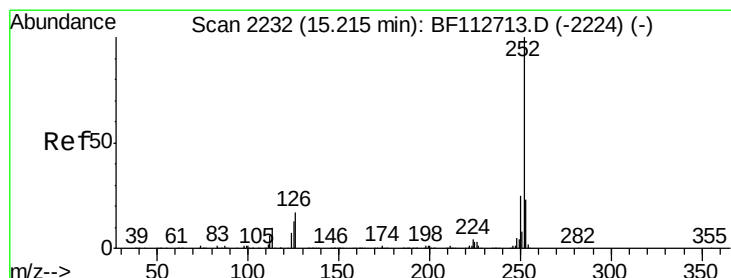
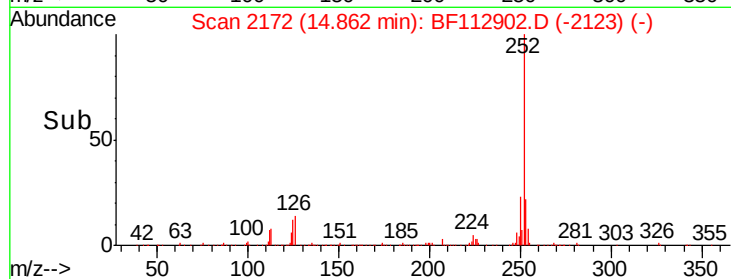
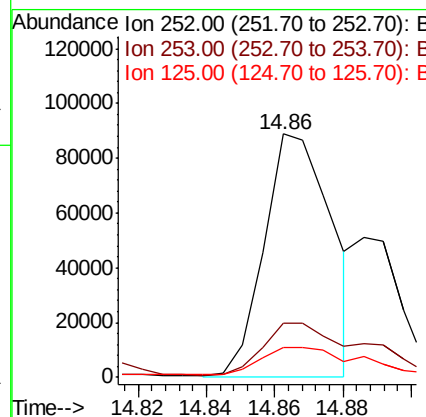
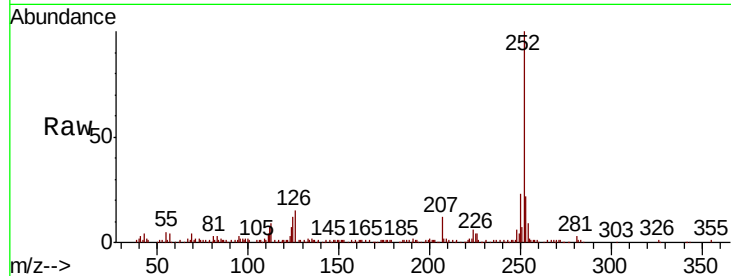
#88
Benzo(b)fluoranthene
Concen: 2.943 ng/mL
RT: 14.86 min Scan# 2172
Delta R.T. -0.01 min
Lab File: BF112902.D
Acq: 7 Mar 2019 1:10

Instrument :
BNA_F
ClientSampleId :
EXT-028-SW008-022719

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.0	27.0
125	12.5	10.2	15.2

Manual Integrations
APPROVED

Sohil
3/7/2019 11:02:47 AM



#90
Benzo(a)pyrene
Concen: 2.305 ng/mL
RT: 15.20 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF112902.D
Acq: 7 Mar 2019 1:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.0	27.0
125	11.5	10.7	16.1

