

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121118\
 Data File : BF111306.D
 Acq On : 12 Dec 2018 5:10
 Operator : JU/SJ
 Sample : J6214-31
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2(15-17)

Manual Integrations
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 12/12/2018 5:30:30 PM

Quant Time: Dec 12 06:52:33 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 10 01:15:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	216700	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	849017	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	354287	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	524416	20.00	ng	0.00
76) Chrysene-d12	13.96	240	439522	20.00	ng	0.00
87) Perylene-d12	15.40	264	302593	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	1280762	93.33	ng	0.00
7) Phenol-d6	6.43	99	1638408	96.07	ng	0.00
23) Nitrobenzene-d5	7.35	82	982257	64.89	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	260297	82.94	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	1531125	71.57	ng	0.00
79) Terphenyl-d14	12.90	244	1048399	57.22	ng	0.00
Target Compounds						
10) Phenol	6.44	94	99230	4.976	ng	93
50) Dimethylphthalate	9.55	163	139135	5.322	ng	97
71) Phenanthrene	11.34	178	162514	6.144	ng	94
75) Fluoranthene	12.53	202	227461	9.414	ng	98
78) Pyrene	12.76	202	215758	6.869	ng	97
81) Benzo(a)anthracene	13.94	228	106961	4.362	ng	# 94
83) Chrysene	13.98	228	87955m	3.479	ng	
88) Benzo(b)fluoranthene	14.99	252	84489m	5.049	ng	
89) Benzo(k)fluoranthene	15.01	252	31630m	2.010	ng	
90) Benzo(a)pyrene	15.34	252	65115	4.226	ng	# 74
92) Benzo(g,h,i)perylene	17.23	276	41363	3.414	ng	# 94

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

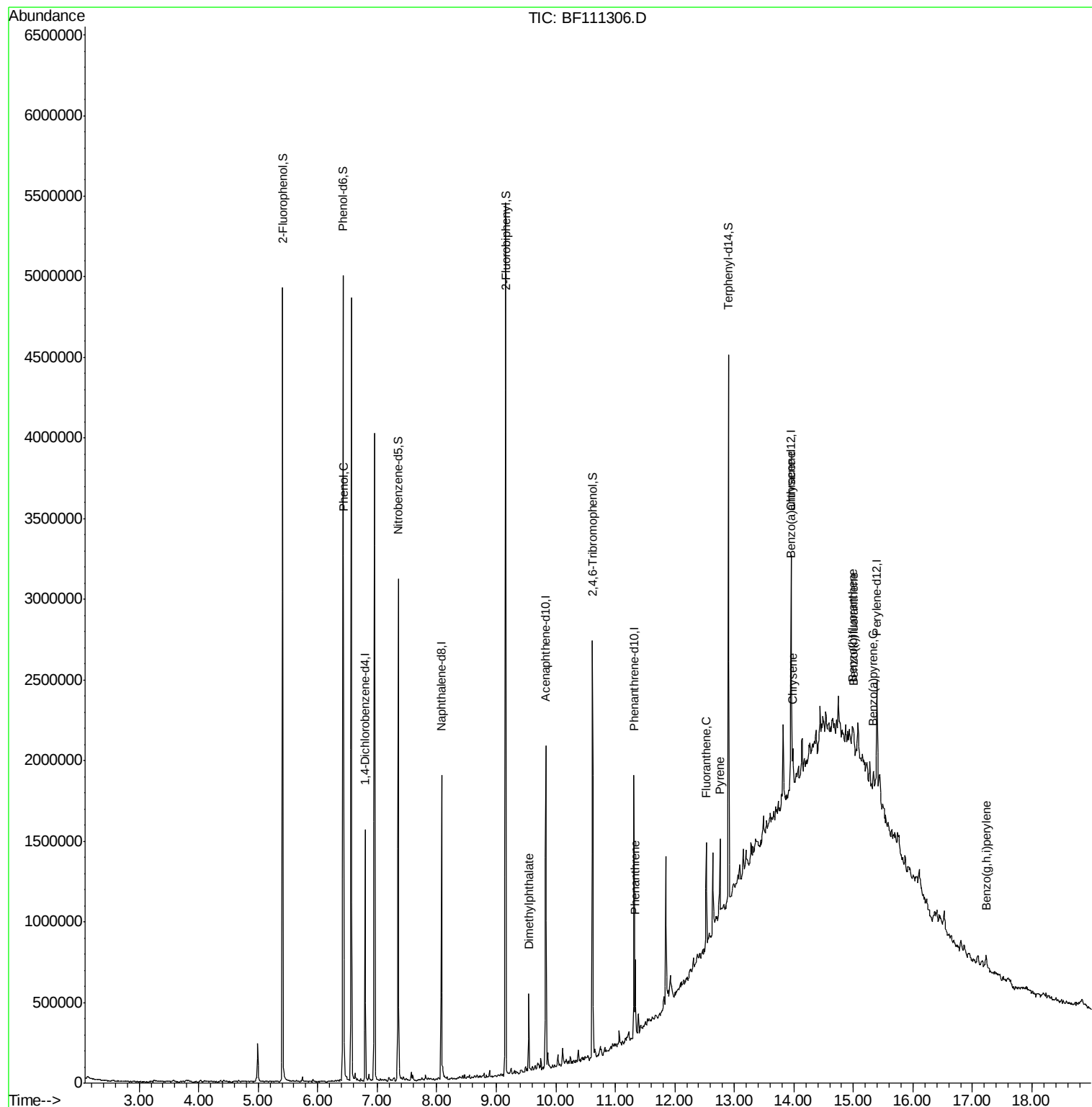
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121118\
Data File : BF111306.D
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Operator : JU/SJ
Sample : J6214-31
Misc :
ALS Vial : 25 Sample Multiplier: 1

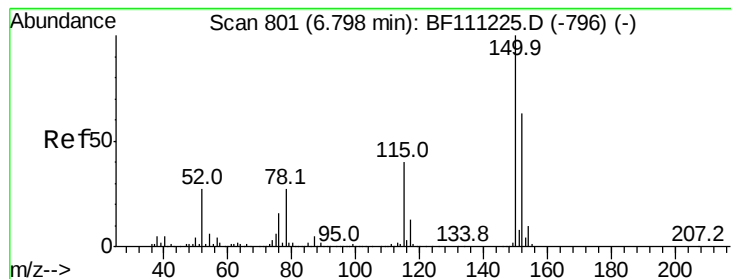
Instrument :
BNA_F
ClientSampleId :
SB-2(15-17)

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M
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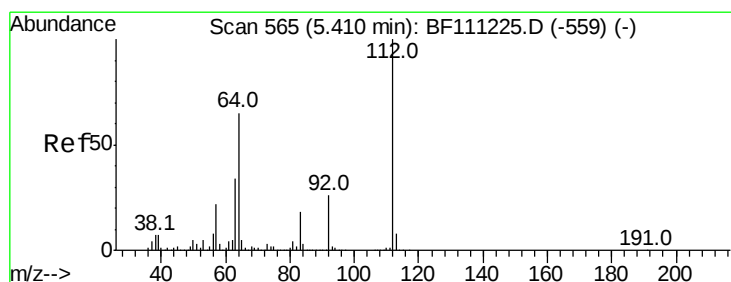
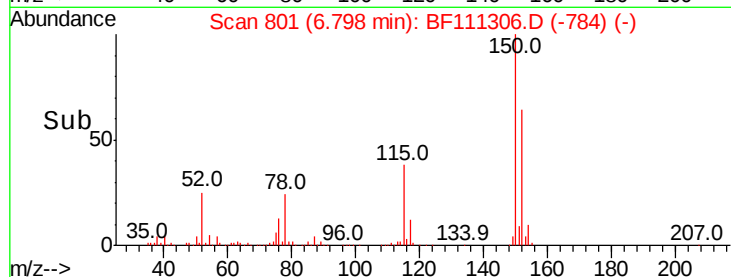
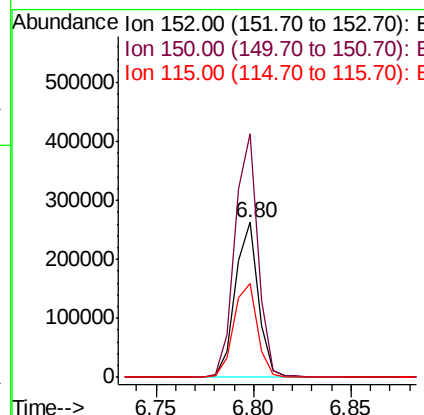
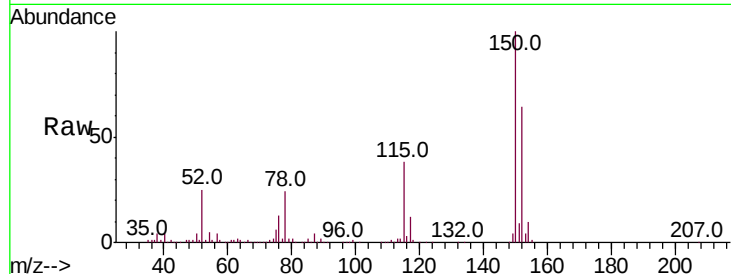
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 801
 Delta R.T. -0.00 min
 Lab File: BF111306.D
 Acq: 12 Dec 2018 5:10

Instrument :
 BNA_F
 ClientSampled :
 SB-2(15-17)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	126.6	189.8
115	60.3	50.7	76.1

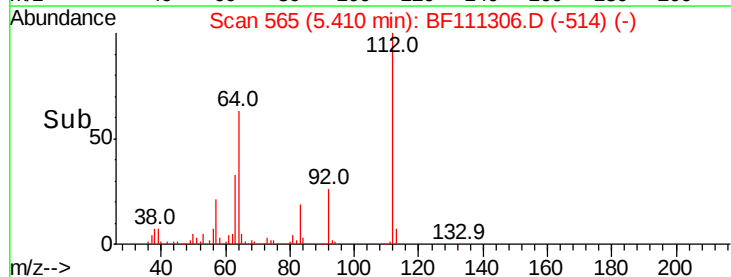
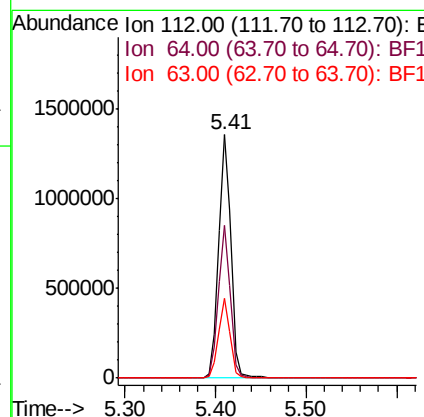
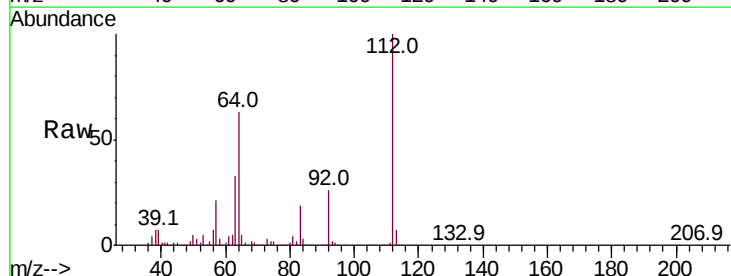
Manual Integrations
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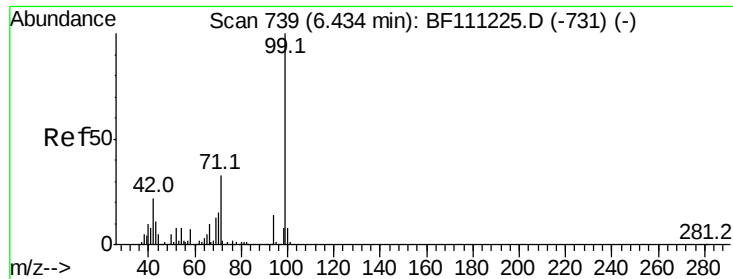
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#5
 2-Fluorophenol
 Concen: 93.328 ng
 RT: 5.41 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: BF111306.D
 Acq: 12 Dec 2018 5:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.7	51.8	77.6
63	32.5	26.8	40.2





#7

Phenol-d6

Concen: 96.068 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF111306.D

Acq: 12 Dec 2018 5:10

Instrument :

BNA_F

ClientSampleId :

SB-2(15-17)

Tot Ion: 99 Resp: 1638408

Ion Ratio Lower Upper

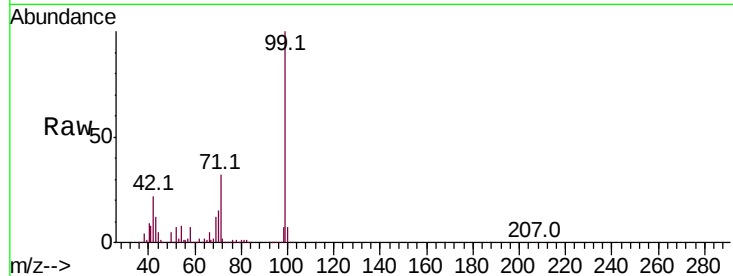
99 100

42 22.2 17.4 26.0

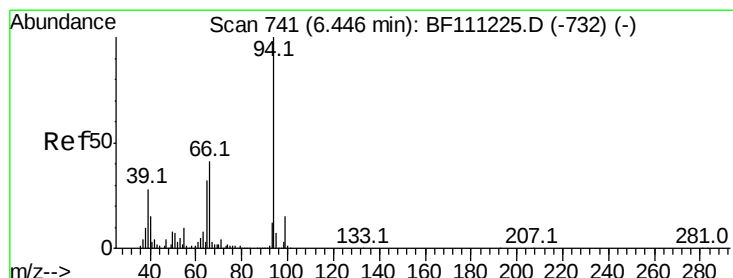
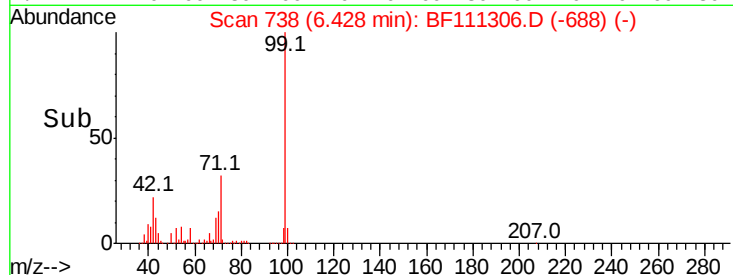
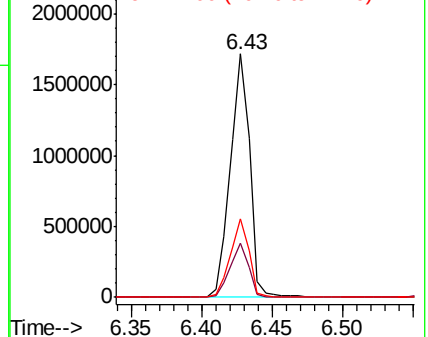
71 32.1 26.1 39.1

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.976 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF111306.D

Acq: 12 Dec 2018 5:10

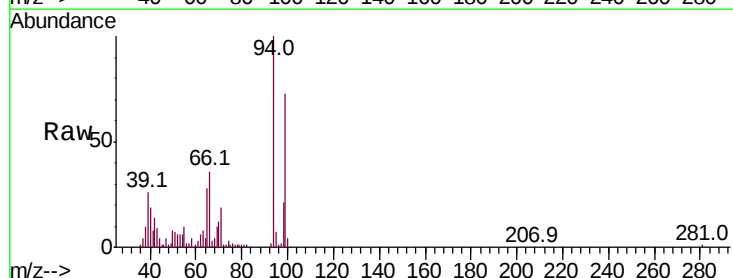
Tgt Ion: 94 Resp: 99230

Ion Ratio Lower Upper

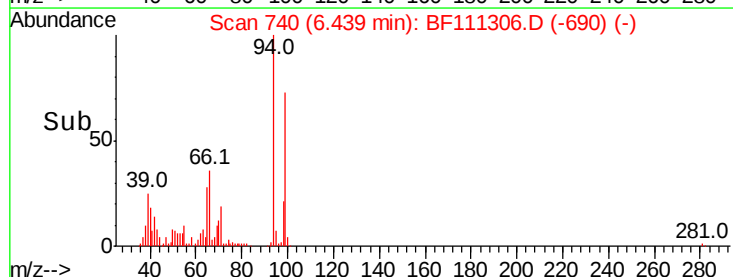
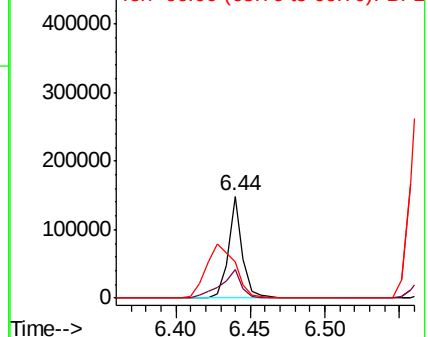
94 100

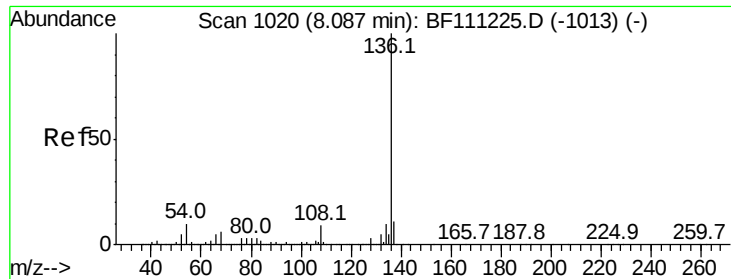
65 28.3 11.7 51.7

66 36.1 21.0 61.0



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





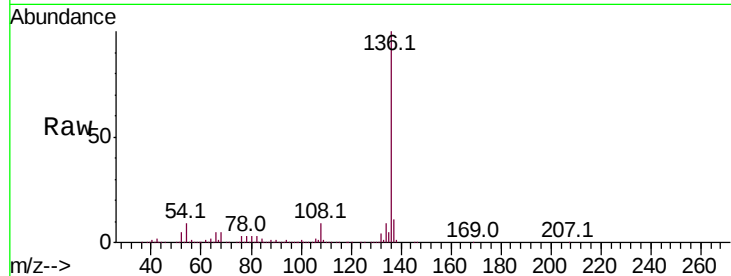
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF111306.D
Acq: 12 Dec 2018 5:10

Instrument :
BNA_F
ClientSampled :
SB-2(15-17)

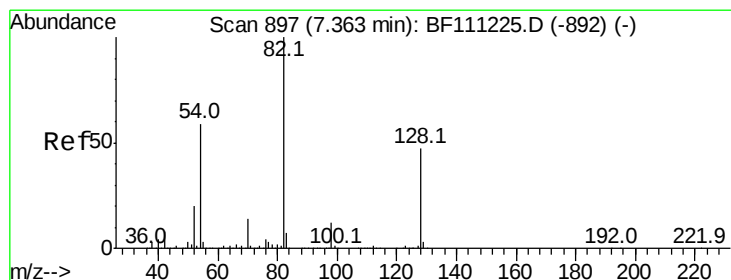
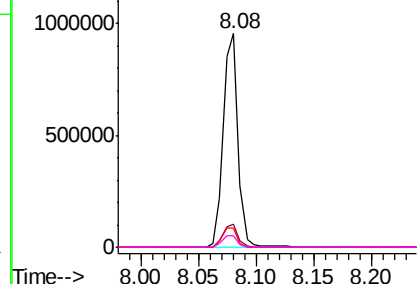
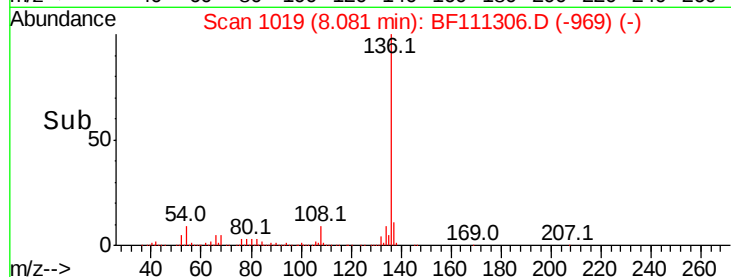
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.8	9.1	13.7	
54	8.8	7.7	11.5	
68	5.3	4.9	7.3	

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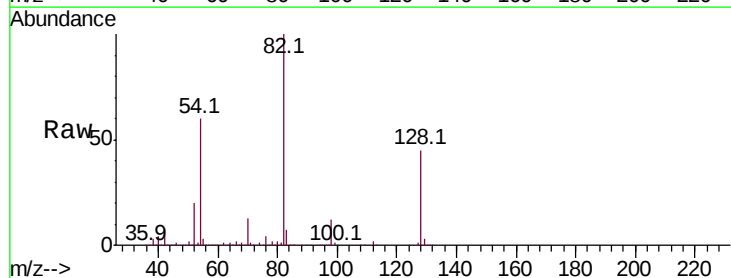


Abundance Ion 136.00 (135.70 to 136.70): E
1500000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

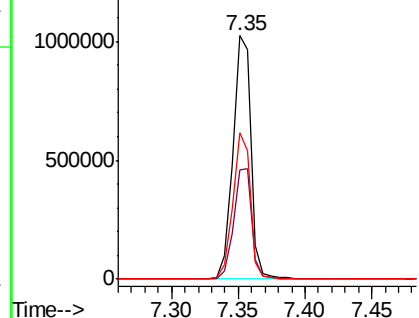
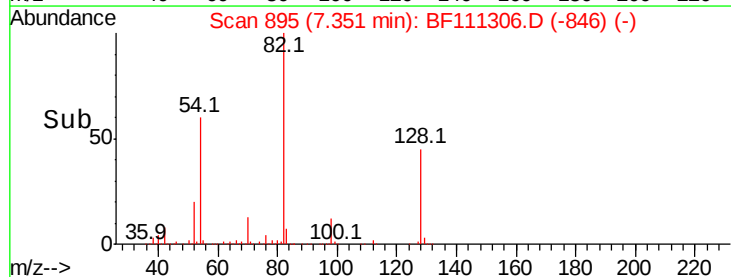


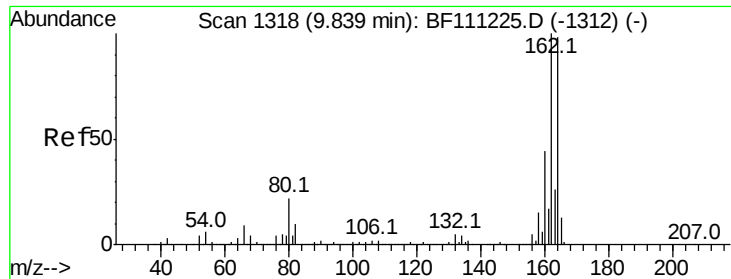
#23
Nitrobenzene-d5
Concen: 64.891 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF111306.D
Acq: 12 Dec 2018 5:10

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.1	37.4	56.2	
54	60.0	47.6	71.4	



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





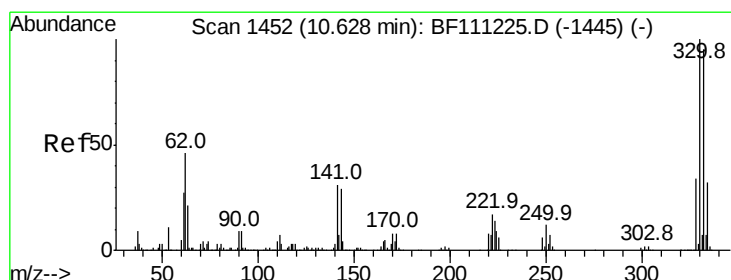
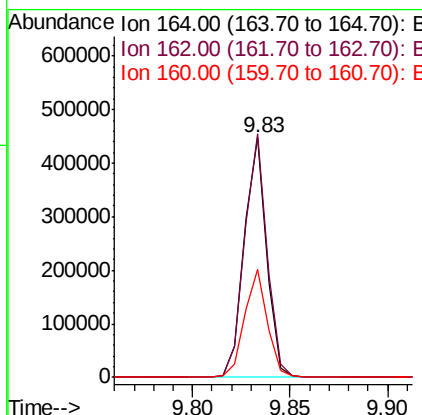
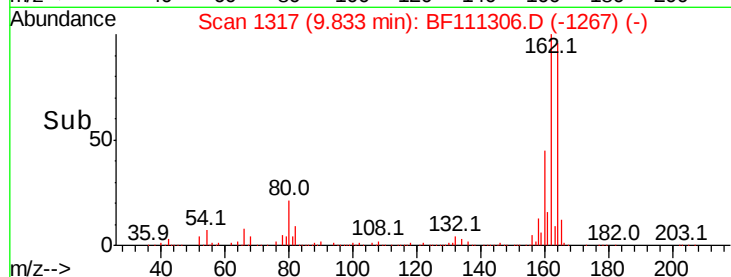
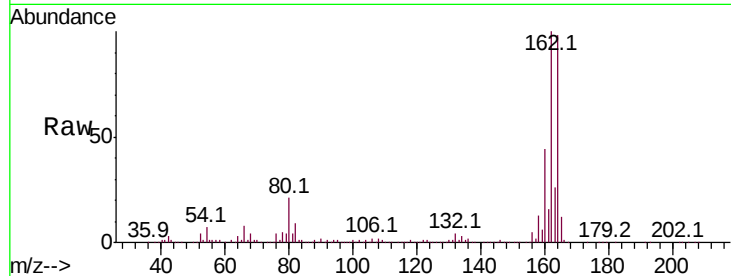
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF111306.D
Acq: 12 Dec 2018 5:10

Instrument :
BNA_F
ClientSampleId :
SB-2(15-17)

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.8	81.4	122.0	
160	45.2	35.7	53.5	

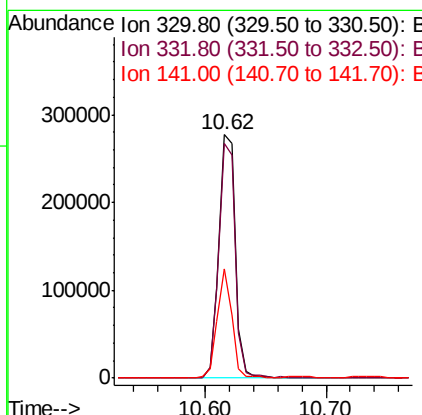
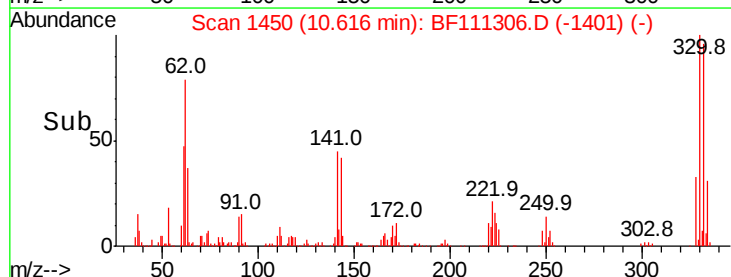
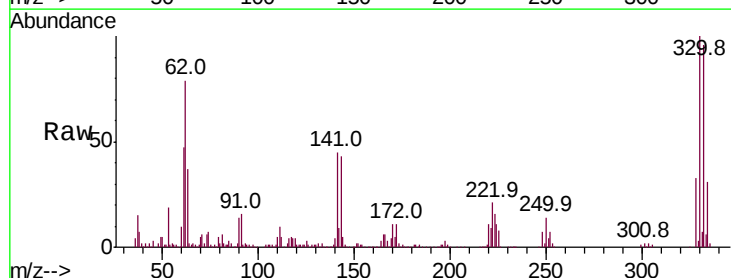
Manual Integrations
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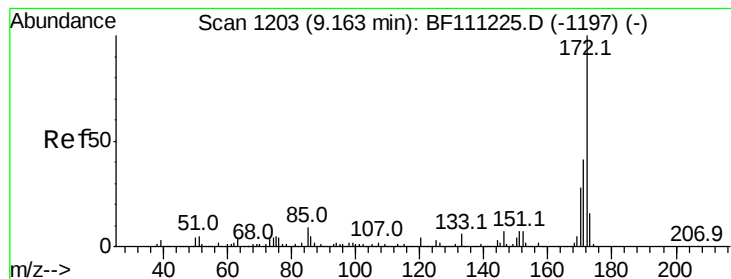
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#42
2,4,6-Tribromophenol
Concen: 82.942 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF111306.D
Acq: 12 Dec 2018 5:10

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.6	76.0	114.0	
141	39.1	31.0	46.6	





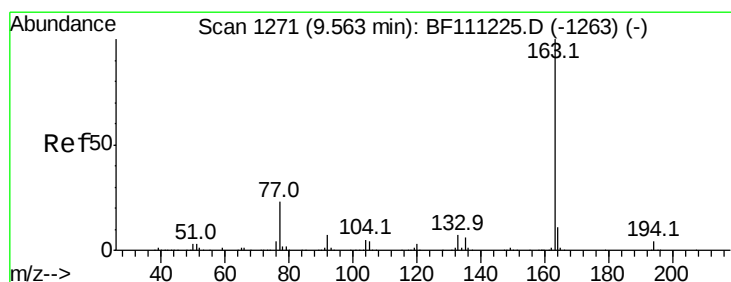
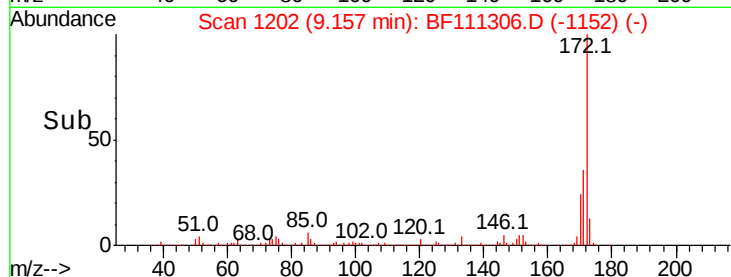
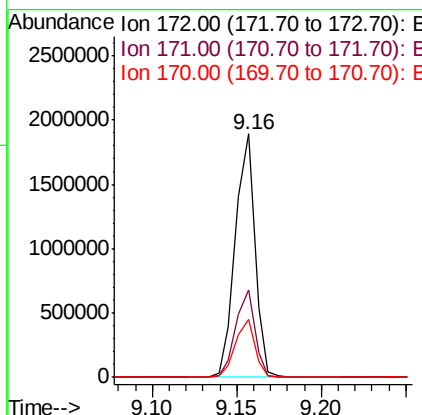
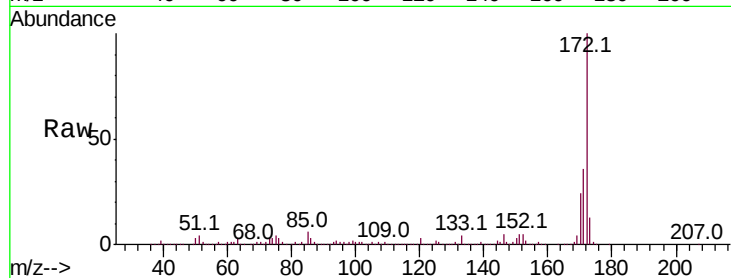
#45
2-Fluorobiphenyl
Concen: 71.574 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BF111306.D
Acq: 12 Dec 2018 5:10

Instrument :
BNA_F
ClientSampleId :
SB-2(15-17)

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	33.0	49.4
170	23.7	22.3	33.5

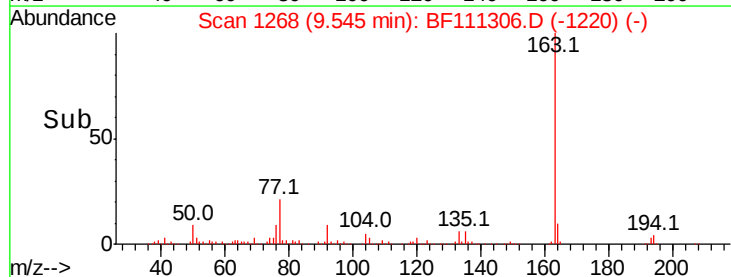
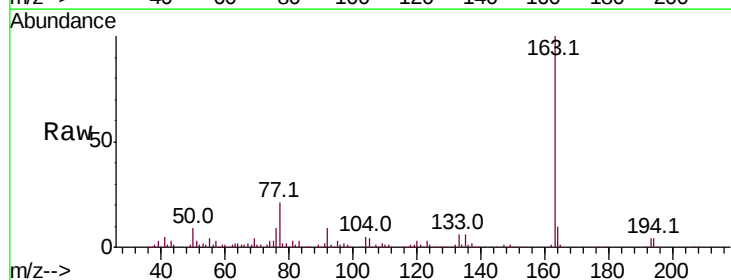
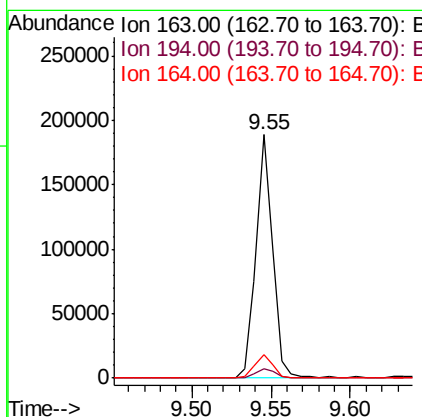
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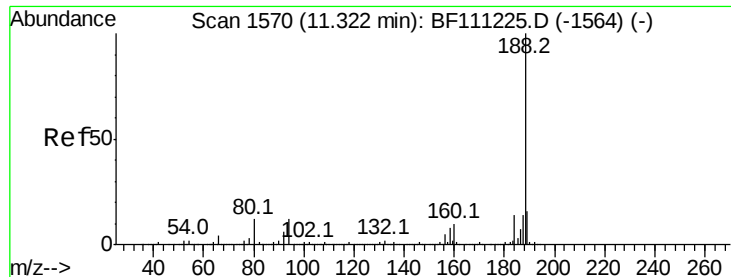
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#50
Dimethylphthalate
Concen: 5.322 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.02 min
Lab File: BF111306.D
Acq: 12 Dec 2018 5:10

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.6
164	9.8	8.9	13.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF111306.D

Acq: 12 Dec 2018 5:10

Instrument :

BNA_F

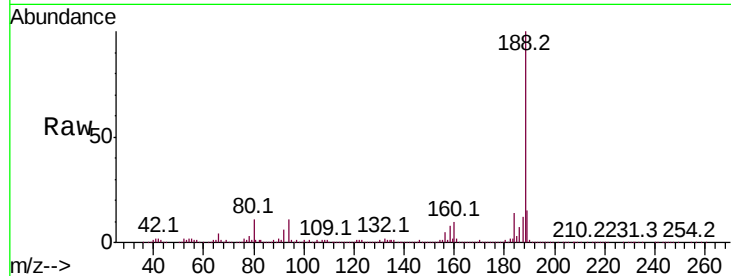
ClientSampleId :

SB-2(15-17)

Tot Ion:	188	Resp:	524416
Ion Ratio	Lower	Upper	
188	100		
94	10.6	9.6	14.4
80	11.4	9.8	14.6

Manual Integrations
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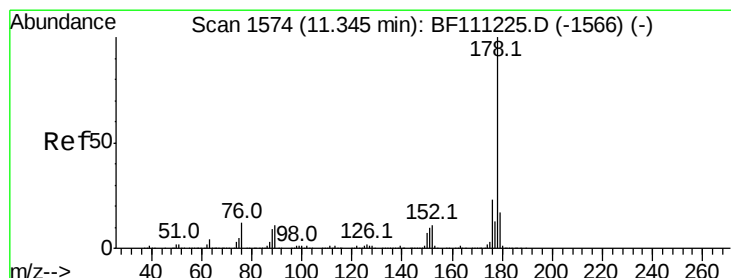
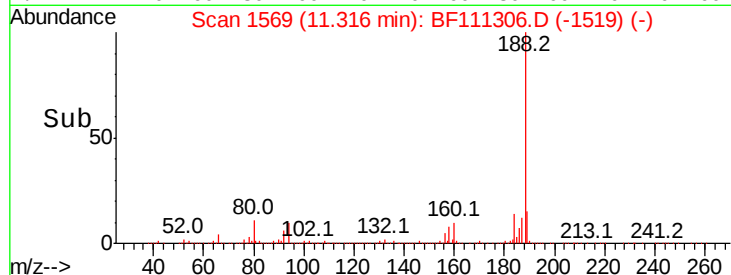
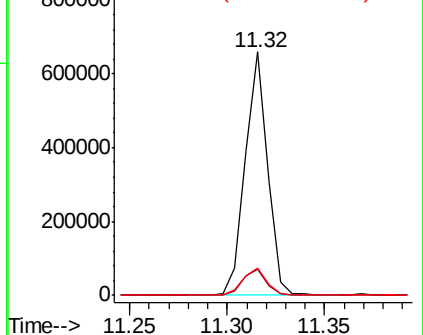
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 6.144 ng

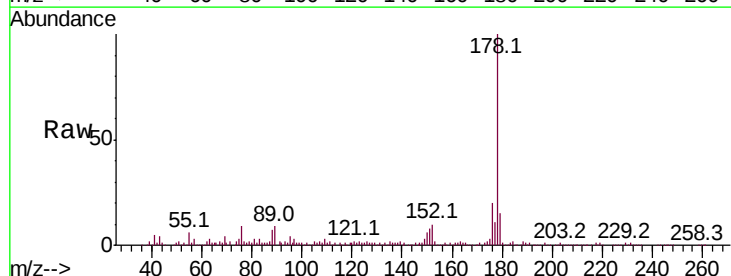
RT: 11.34 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BF111306.D

Acq: 12 Dec 2018 5:10

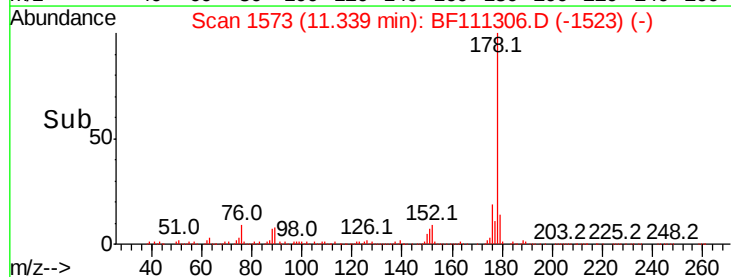
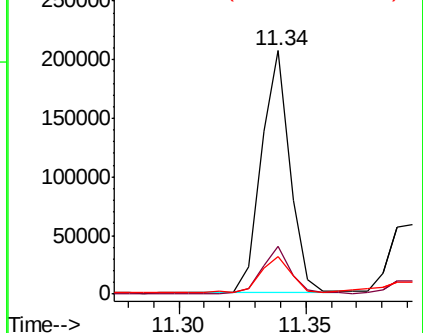
Tgt Ion:	178	Resp:	162514
Ion Ratio	Lower	Upper	
178	100		
176	19.6	18.1	27.1
179	15.2	14.0	21.0

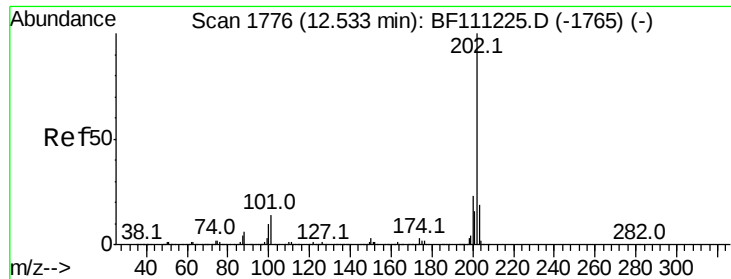


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 9.414 ng

RT: 12.53 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BF111306.D

Acq: 12 Dec 2018 5:10

Instrument :

BNA_F

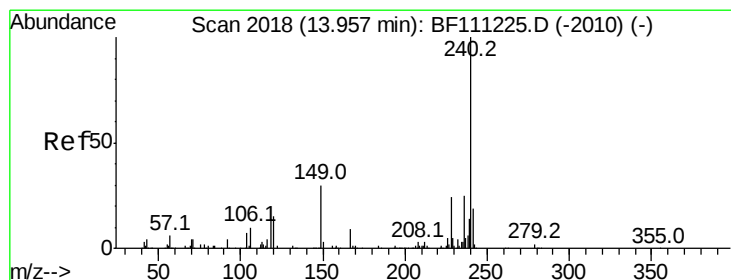
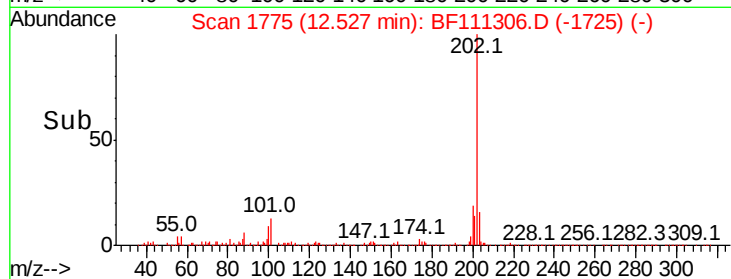
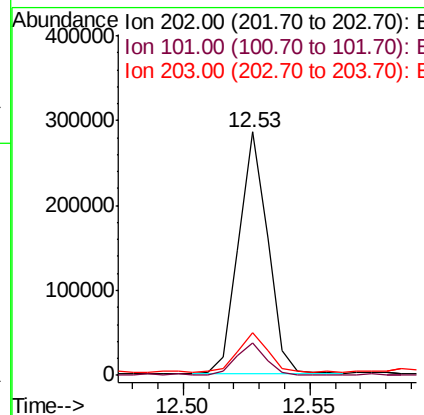
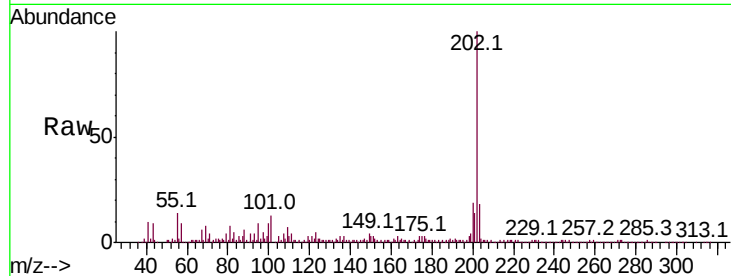
ClientSampleId :

SB-2(15-17)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.1	0.0	33.8
203	17.6	0.0	38.6

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

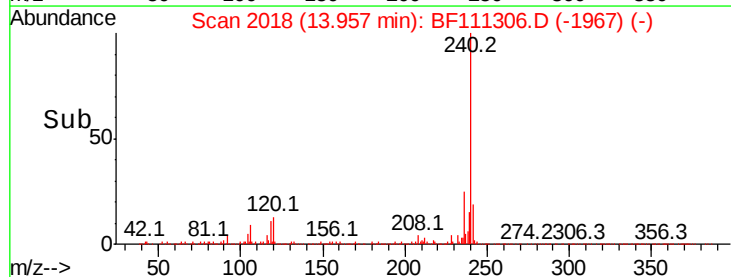
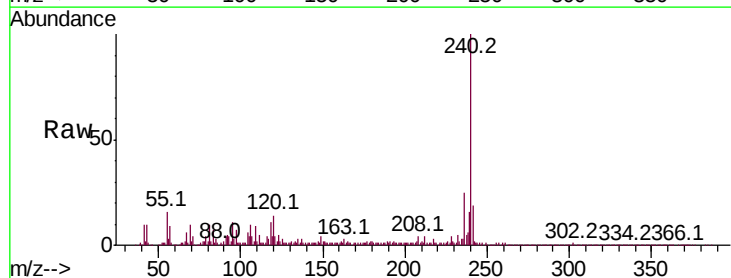
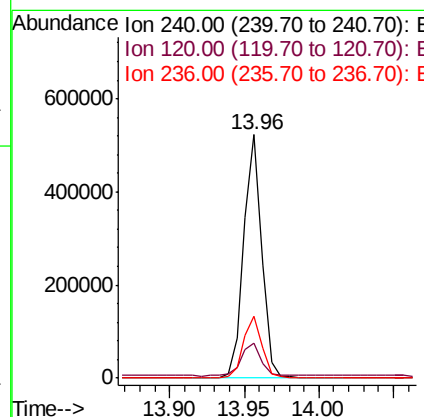
RT: 13.96 min Scan# 2018

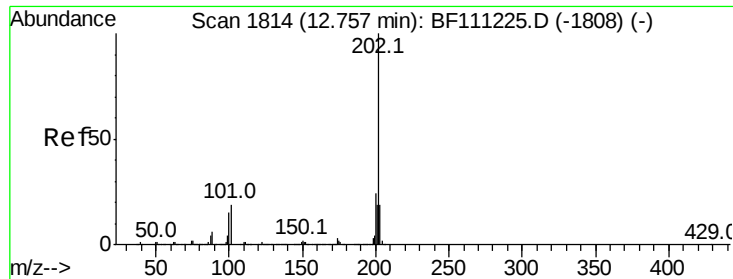
Delta R.T. -0.00 min

Lab File: BF111306.D

Acq: 12 Dec 2018 5:10

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.2	12.2	18.2
236	25.4	20.2	30.2





#78

Pvrene

Concen: 6.869 ng

RT: 12.76 min Scan# 1814

Delta R.T. -0.00 min

Lab File: BF111306.D

Acq: 12 Dec 2018 5:10

Instrument :

BNA_F

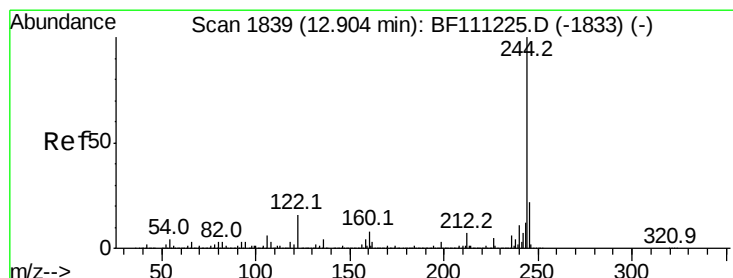
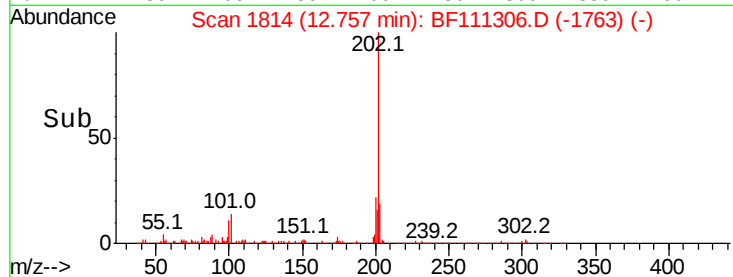
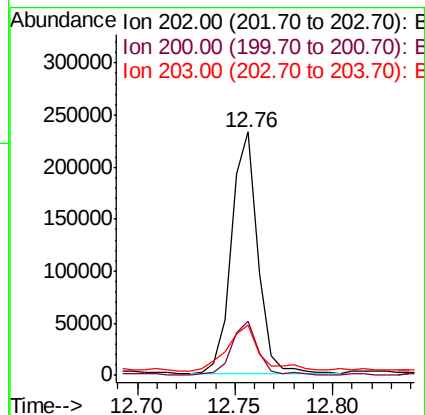
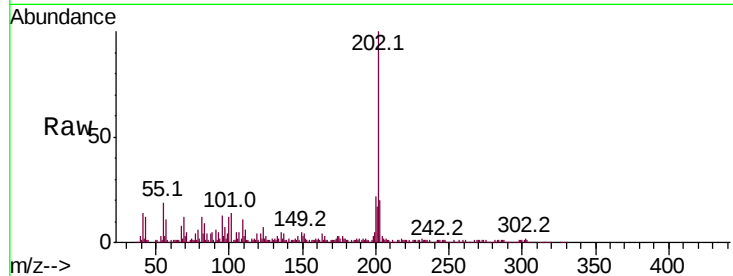
ClientSampleId :

SB-2(15-17)

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.2	19.0	28.4
203	20.4	15.2	22.8

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Sohil
12/12/2018 5:30:30 PM



#79

Terphenyl-d14

Concen: 57.215 ng

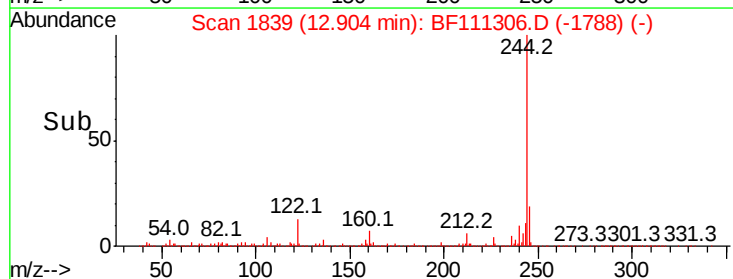
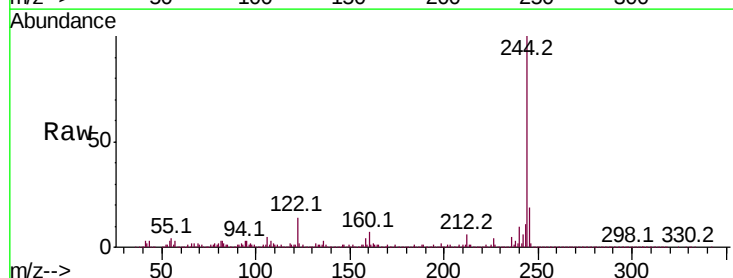
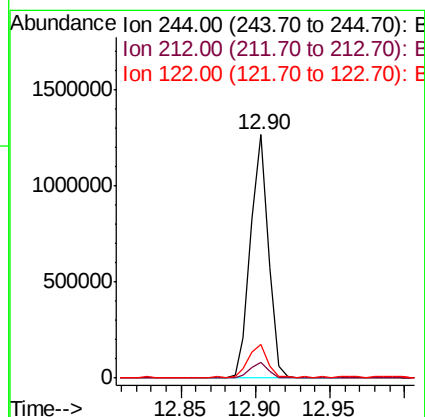
RT: 12.90 min Scan# 1839

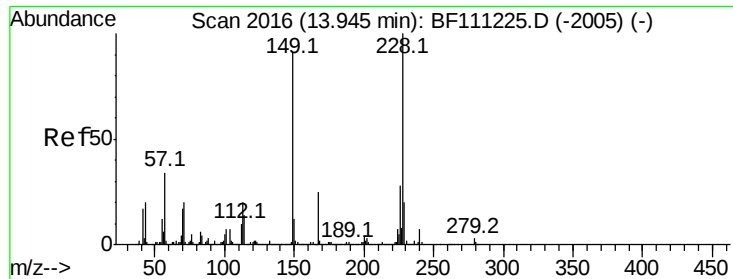
Delta R.T. -0.00 min

Lab File: BF111306.D

Acq: 12 Dec 2018 5:10

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.7	8.5
122	13.6	13.1	19.7





#81

Benzo(a)anthracene

Concen: 4.362 ng

RT: 13.94 min Scan# 2016

Delta R.T. -0.00 min

Lab File: BF111306.D

Acq: 12 Dec 2018 5:10

Instrument :

BNA_F

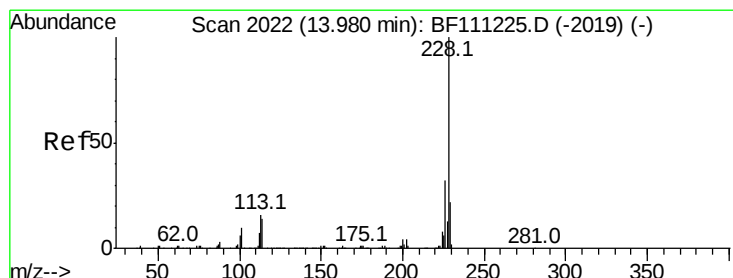
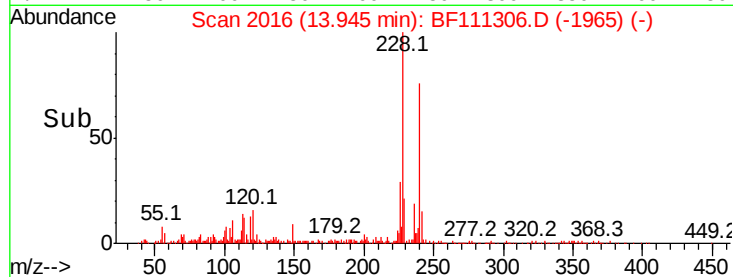
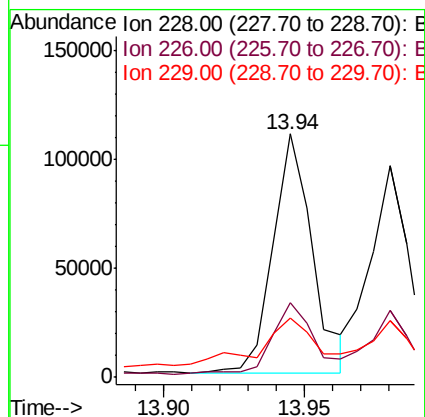
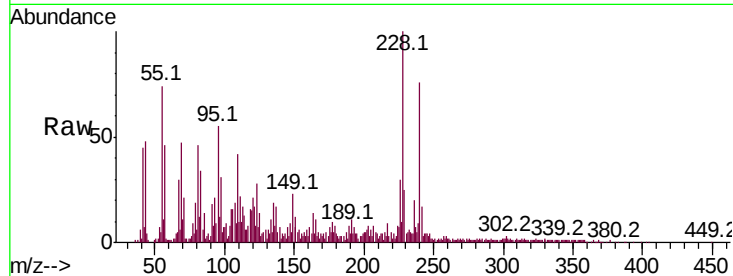
ClientSampled :

SB-2(15-17)

Tot Ion:	228	Resp:	106961
Ion Ratio	Lower	Upper	
228	100		
226	30.4	22.6	34.0
229	24.6	16.3	24.5#

Manual Integrations
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#83

Chrysene

Concen: 3.479 ng m

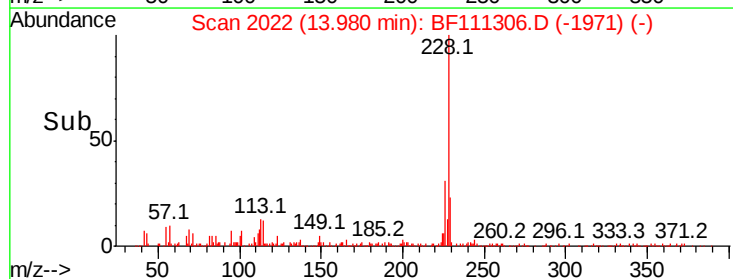
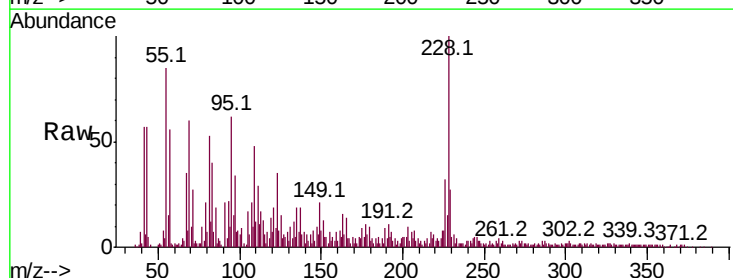
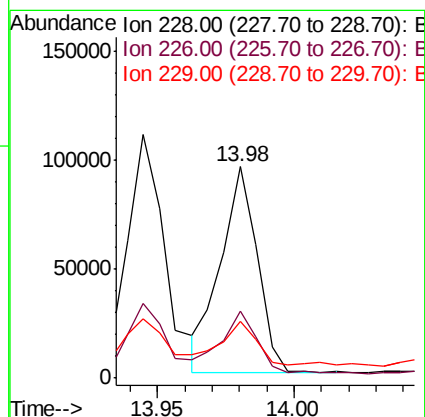
RT: 13.98 min Scan# 2022

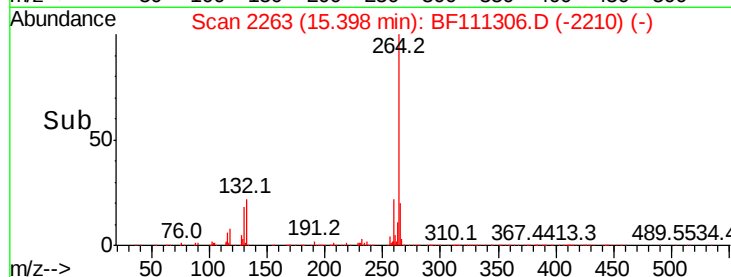
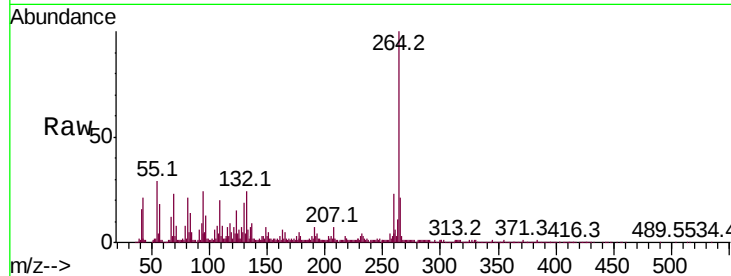
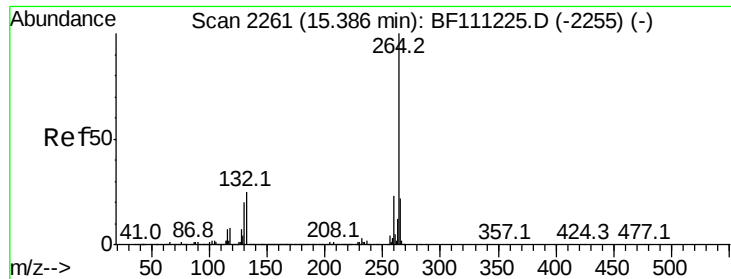
Delta R.T. -0.00 min

Lab File: BF111306.D

Acq: 12 Dec 2018 5:10

Tgt Ion:	228	Resp:	87955
Ion Ratio	Lower	Upper	
228	100		
226	31.5	25.3	37.9
229	27.2	17.2	25.8#





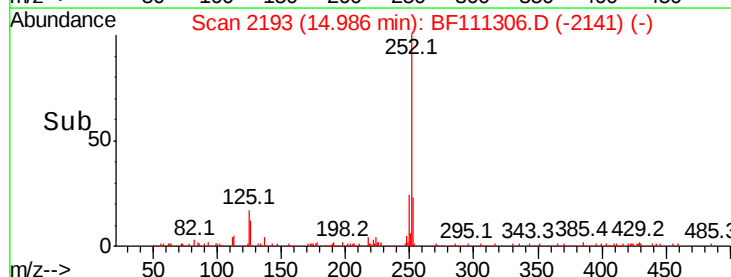
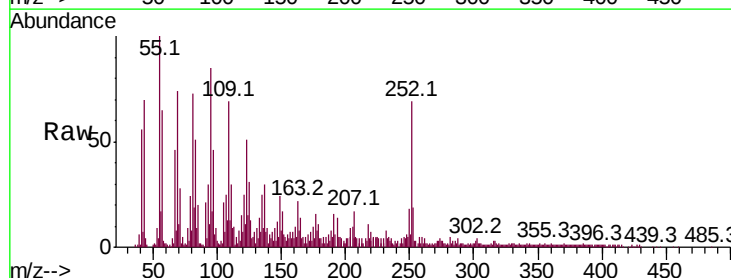
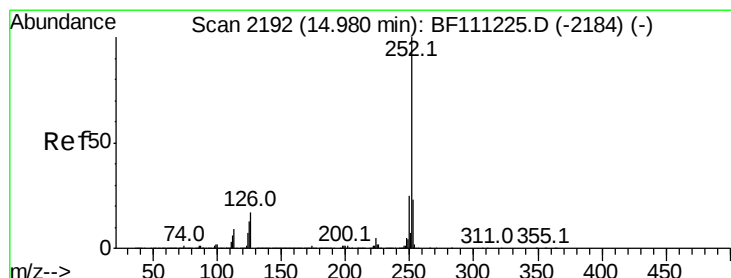
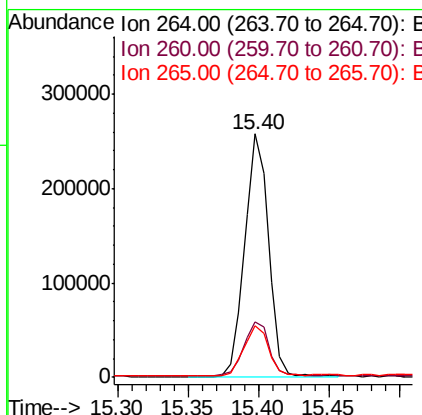
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF111306.D
Acq: 12 Dec 2018 5:10

Instrument :
BNA_F
ClientSampleId :
SB-2(15-17)

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.3	27.5
265	21.0	17.7	26.5

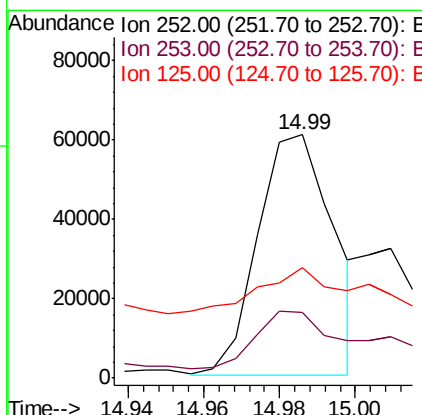
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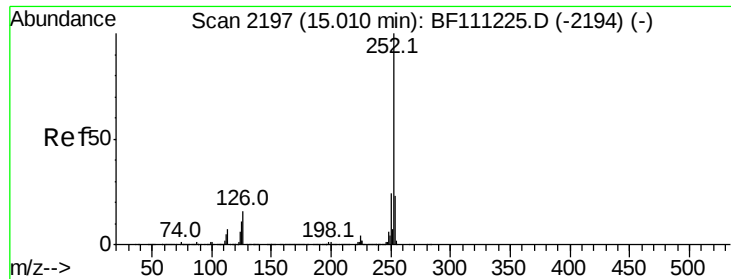
Sohil
12/12/2018 5:30:30 PM



#88
Benzo(b)fluoranthene
Concen: 5.049 ng m
RT: 14.99 min Scan# 2193
Delta R.T. 0.01 min
Lab File: BF111306.D
Acq: 12 Dec 2018 5:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.0	18.2	27.2
125	45.5	10.4	15.6





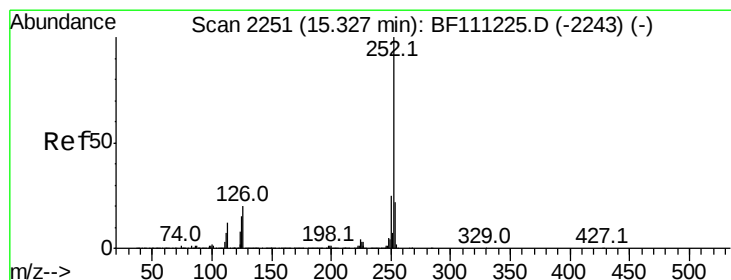
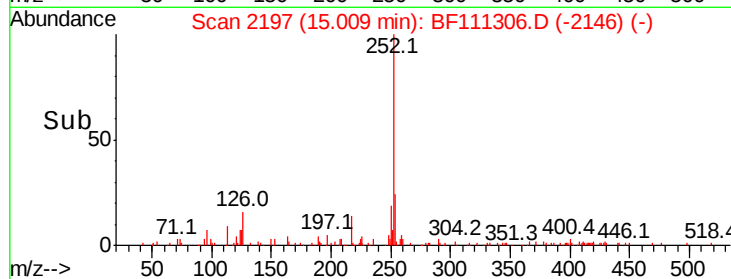
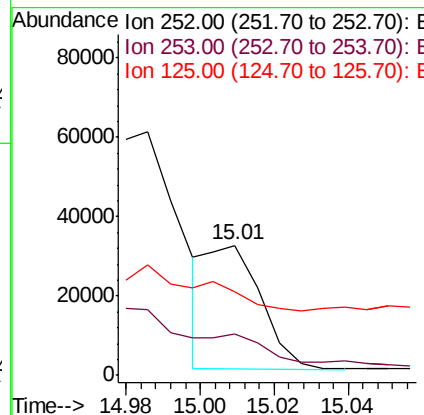
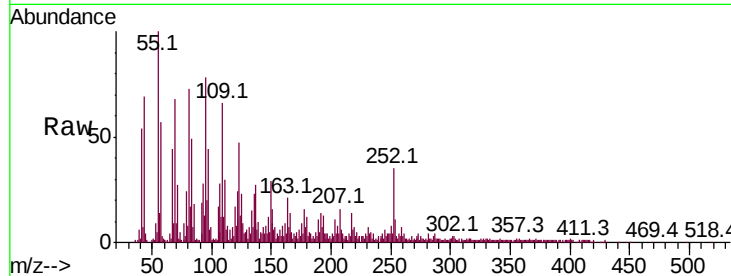
#89
Benzo(k)fluoranthene
Concen: 2.010 ng m
RT: 15.01 min Scan# 2197
Delta R.T. -0.00 min
Lab File: BF111306.D
Acq: 12 Dec 2018 5:10

Instrument :
BNA_F
ClientSampleId :
SB-2(15-17)

Tot Ion	Ratio	Lower	Upper
252	100		
253	31.8	18.1	27.1#
125	64.7	9.8	14.8#

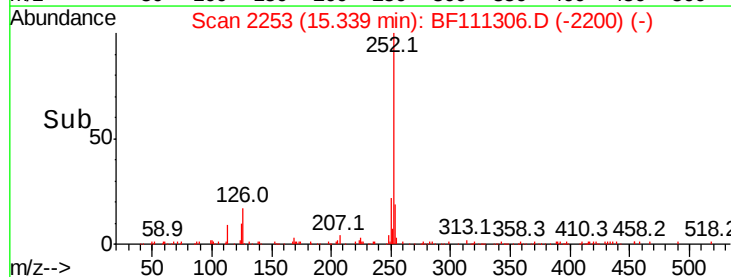
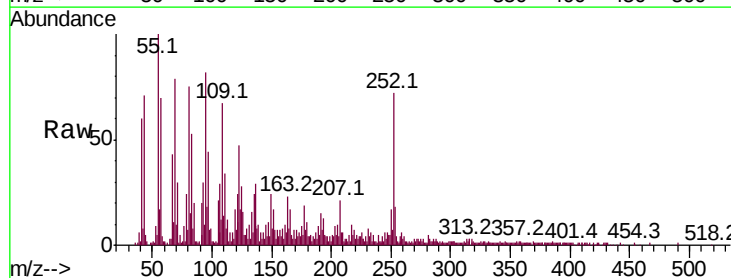
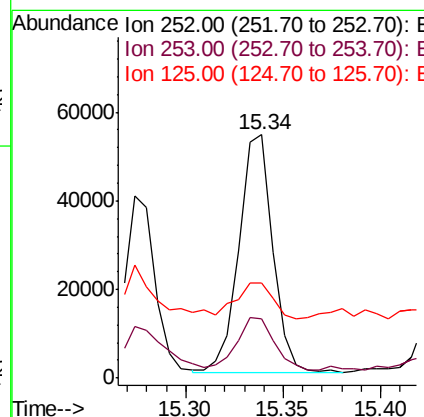
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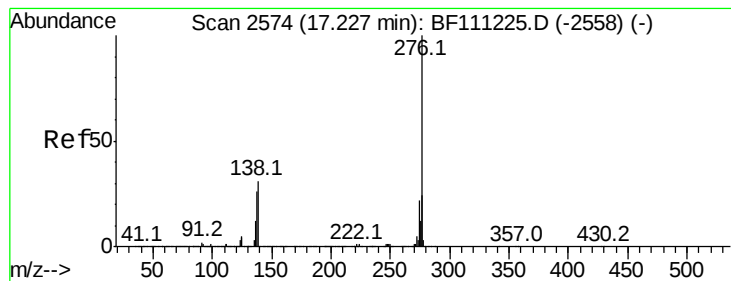
Sohil
12/12/2018 5:30:30 PM



#90
Benzo(a)pyrene
Concen: 4.226 ng
RT: 15.34 min Scan# 2253
Delta R.T. 0.01 min
Lab File: BF111306.D
Acq: 12 Dec 2018 5:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.8	26.8
125	38.9	12.3	18.5#





#92

Benzo(a,h,i)perylene

Concen: 3.414 ng

RT: 17.23 min Scan# 2574

Delta R.T. -0.00 min

Lab File: BF111306.D

Acq: 12 Dec 2018 5:10

Instrument :

BNA_F

ClientSampleId :

SB-2(15-17)

Tot Ion:	276	Resp:	41363
Ion Ratio	Lower	Upper	
276	100		
277	29.0	19.2	28.8#
138	29.7	24.9	37.3

Manual Integrations
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Sohil
12/12/2018 5:30:30 PM

