

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031219\
 Data File : BF113018.D
 Acq On : 12 Mar 2019 22:27
 Operator : JU/SJ
 Sample : K1847-17
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-7B-C-4-031119

Manual Integrations
 APPROVED

Sohil
 3/13/2019 11:40:46 AM

Quant Time: Mar 13 04:44:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	179258	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	681206	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	317305	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	574980	20.00	ng	0.00
76) Chrysene-d12	13.86	240	481879	20.00	ng	0.00
87) Perylene-d12	15.27	264	408895	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	1166296	101.21	ng	0.00
7) Phenol-d6	6.37	99	1508793	104.23	ng	0.00
23) Nitrobenzene-d5	7.29	82	938751	82.46	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	435104	129.17	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	1648029	86.44	ng	0.00
79) Terphenyl-d14	12.82	244	1499040	60.30	ng	0.00
Target Compounds						
10) Phenol	6.38	94	42707	2.528	ng	94
50) Dimethylphthalate	9.48	163	151236	6.464	ng	99
71) Phenanthrene	11.26	178	213889	7.477	ng	96
75) Fluoranthene	12.45	202	488758	15.947	ng	97
78) Pyrene	12.67	202	433449	10.670	ng	99
81) Benzo(a)anthracene	13.86	228	205412	6.151	ng	98
83) Chrysene	13.89	228	208601	6.377	ng	97
86) Indeno(1,2,3-cd)pyrene	16.63	276	77716	2.787	ng	# 93
88) Benzo(b)fluoranthene	14.87	252	230299m	8.707	ng	
89) Benzo(k)fluoranthene	14.89	252	93373m	3.898	ng	
90) Benzo(a)pyrene	15.21	252	160070	6.842	ng	98
92) Benzo(a,h,i)perylene	17.03	276	76267	3.805	ng	99

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

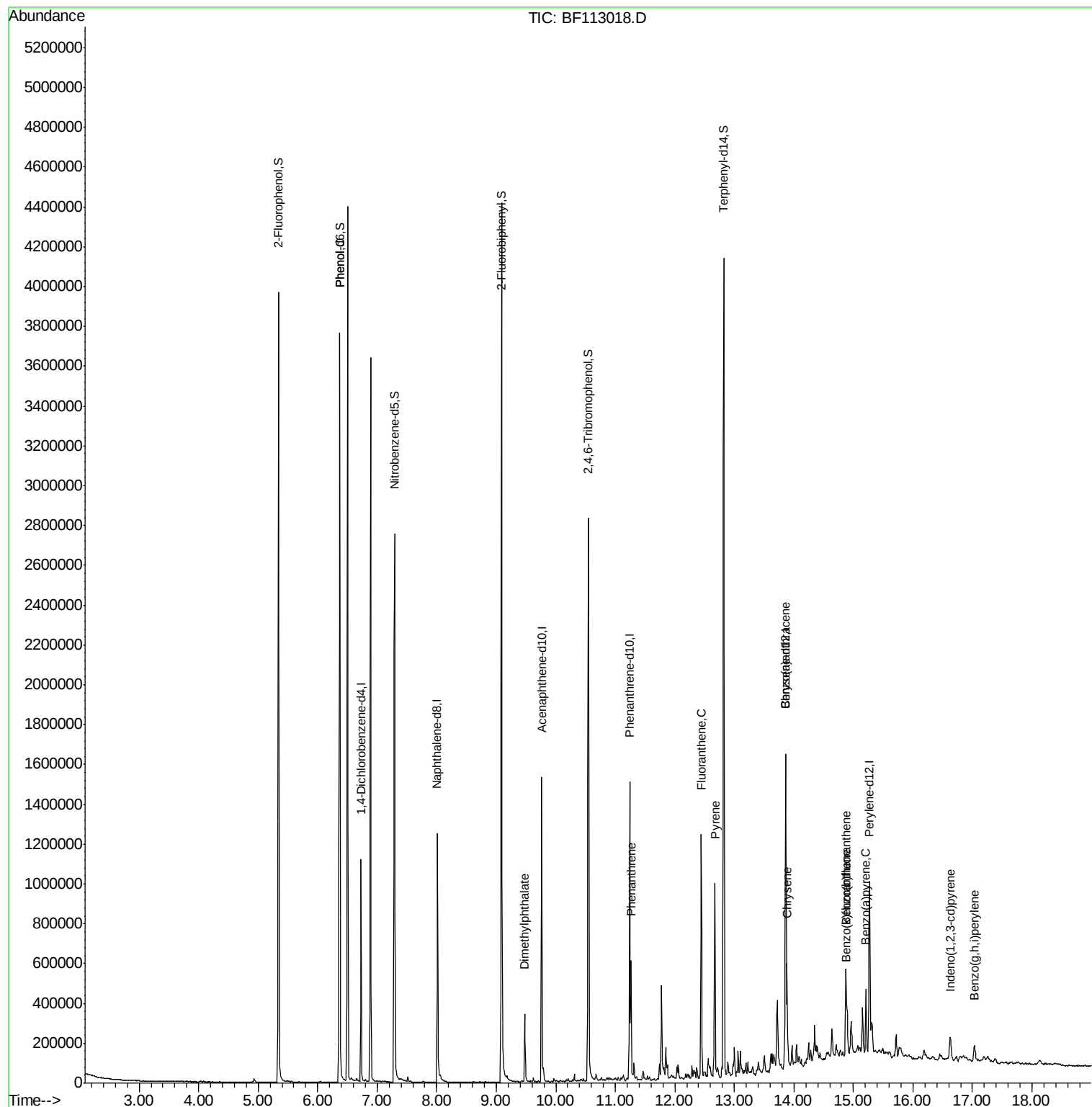
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031219\
Data File : BF113018.D
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Sample : K1847-17
Misc :
ALS Vial : 21 Sample Multiplier: 1

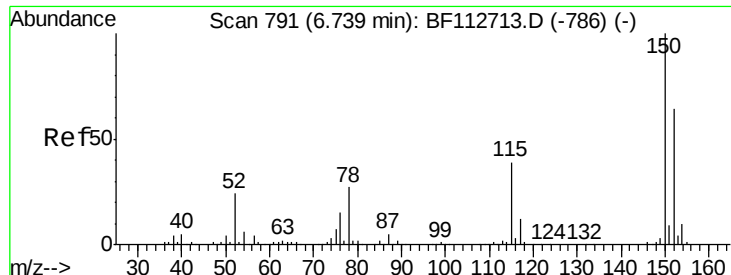
Instrument :
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SUP-7B-C-4-031119

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#1

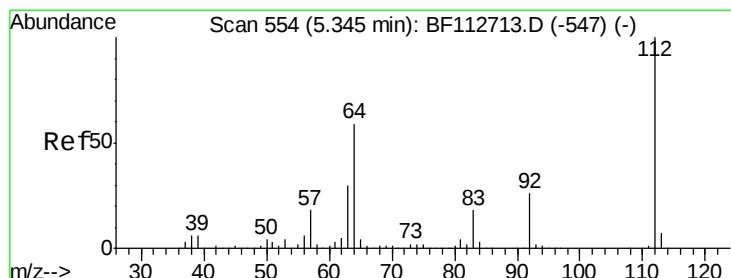
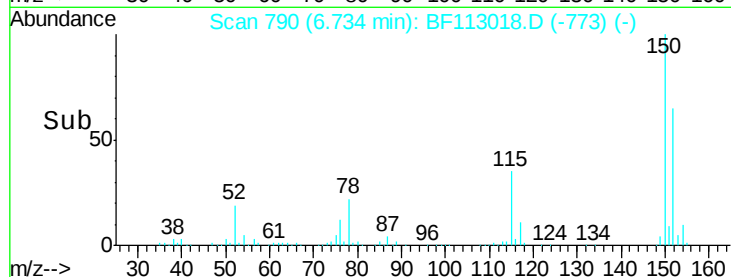
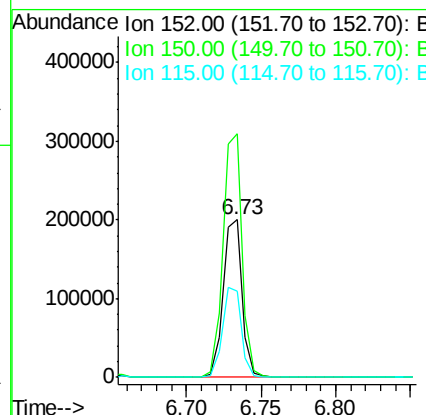
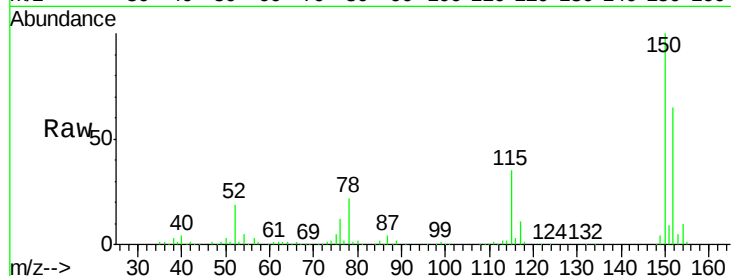
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF113018.D
Acq: 12 Mar 2019 22:27

Instrument :
BNA_F
ClientSampleId :
SUP-7B-C-4-031119

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	124.2	186.2
115	54.8	48.2	72.4

Manual Integrations
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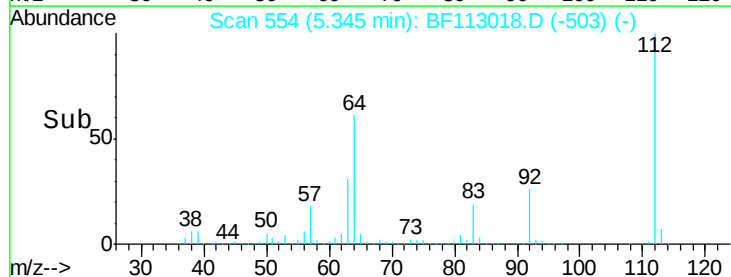
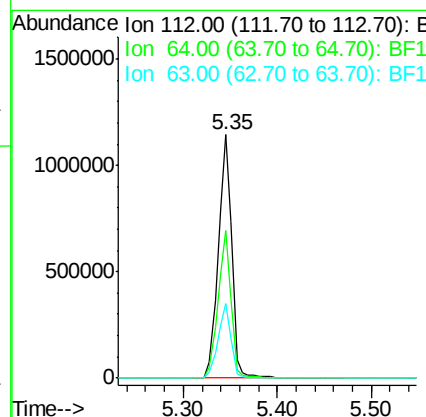
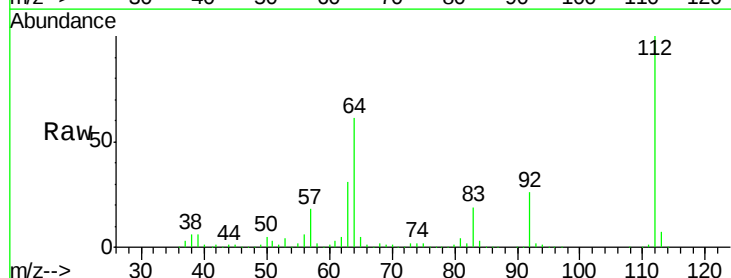
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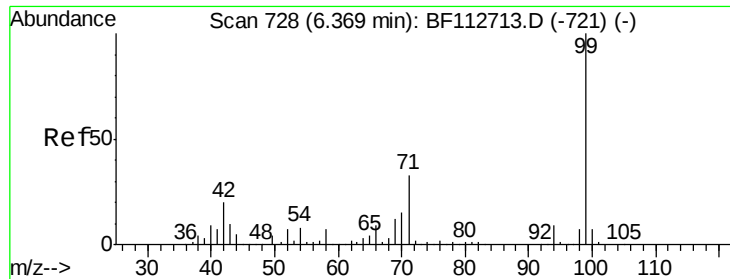


#5

2-Fluorophenol
Concen: 101.207 ng
RT: 5.35 min Scan# 554
Delta R.T. -0.00 min
Lab File: BF113018.D
Acq: 12 Mar 2019 22:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.6	47.6	71.4
63	30.7	24.4	36.6





#7

Phenol-d6

Concen: 104.229 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF113018.D

Acq: 12 Mar 2019 22:27

Instrument :

BNA_F

ClientSampleId :

SUP-7B-C-4-031119

Tot Ion: 99 Resp: 1508793

Ion Ratio Lower Upper

99 100

42 17.8 16.3 24.5

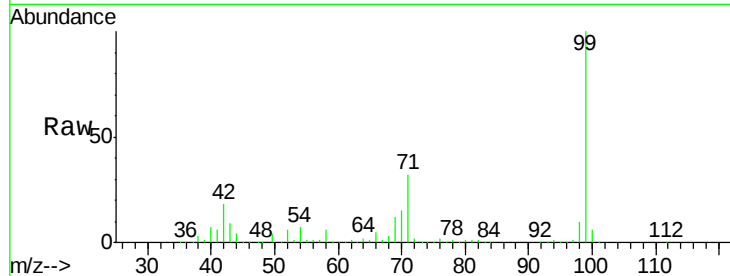
71 31.8 26.2 39.4

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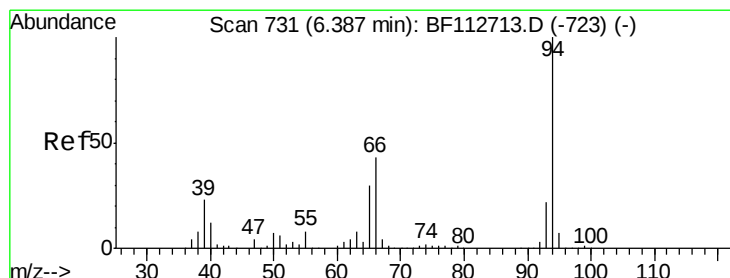
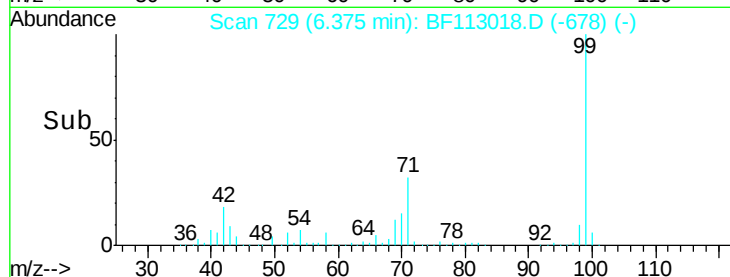
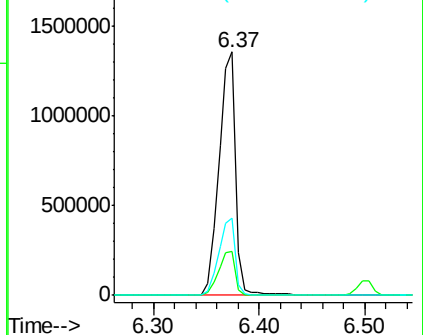
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.528 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF113018.D

Acq: 12 Mar 2019 22:27

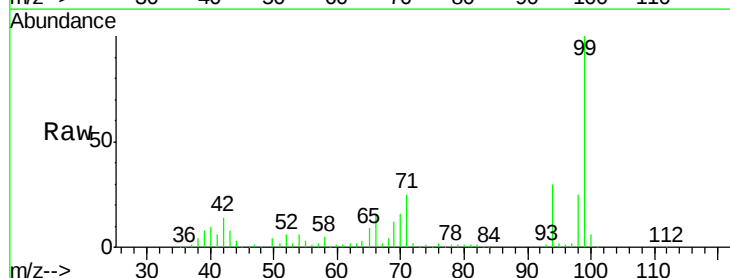
Tgt Ion: 94 Resp: 42707

Ion Ratio Lower Upper

94 100

65 30.7 10.5 50.5

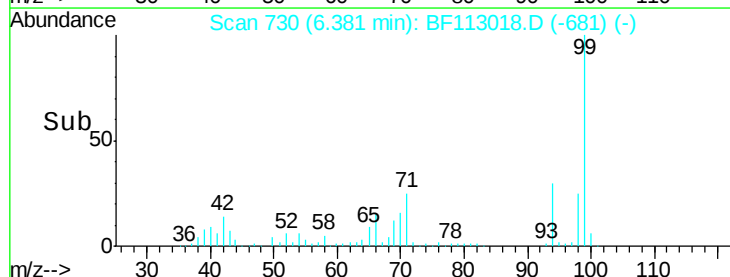
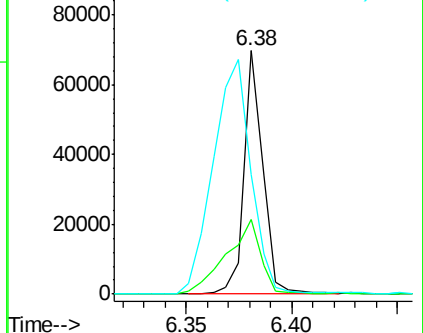
66 49.1 22.6 62.6



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: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF113018.D

Acq: 12 Mar 2019 22:27

Instrument :

BNA_F

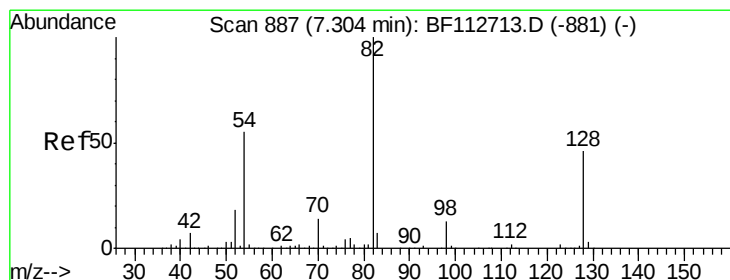
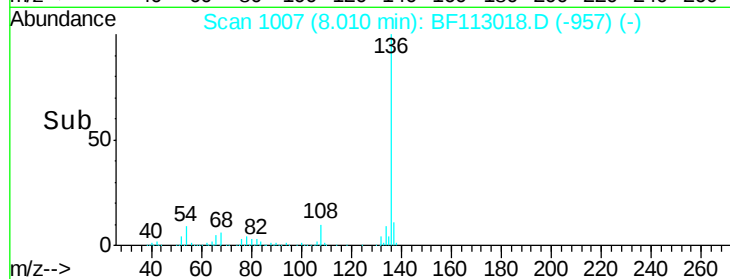
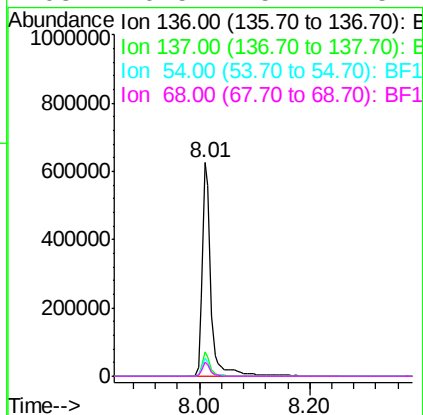
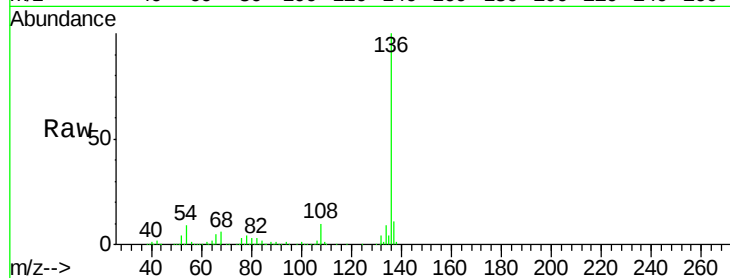
ClientSampleId :

SUP-7B-C-4-031119

Tot Ion	Ratio	Resp	Lower	Upper
136	100	681206		
137	11.3		8.9	13.3
54	8.7		7.3	10.9
68	6.5		5.4	8.2

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#23

Nitrobenzene-d5

Concen: 82.461 ng

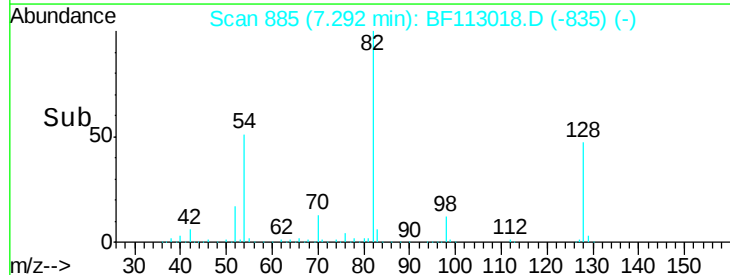
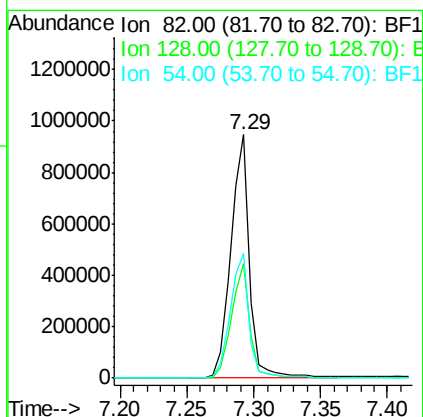
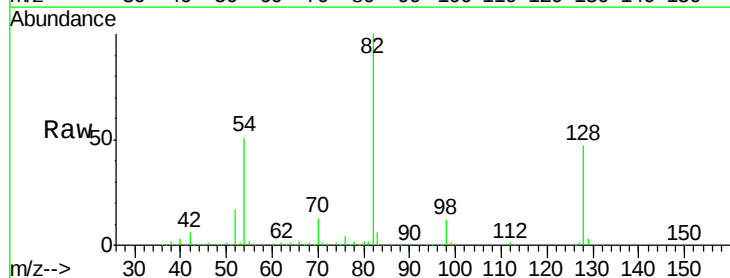
RT: 7.29 min Scan# 885

Delta R.T. -0.01 min

Lab File: BF113018.D

Acq: 12 Mar 2019 22:27

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	938751		
128	47.0		36.3	54.5
54	51.1		43.7	65.5





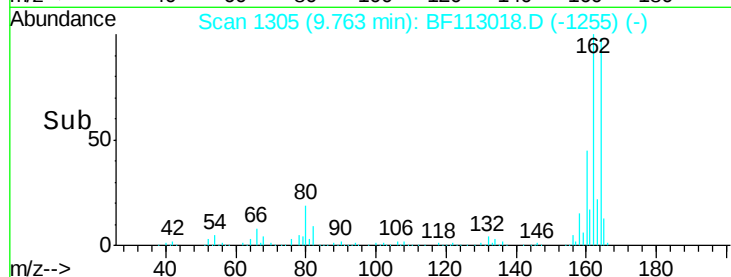
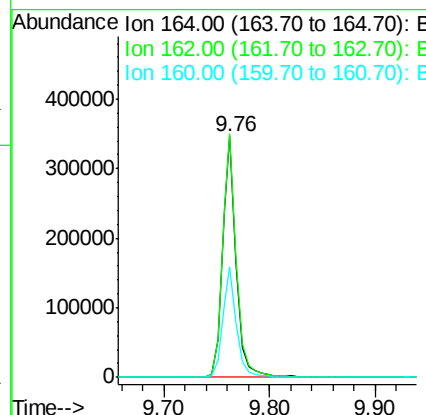
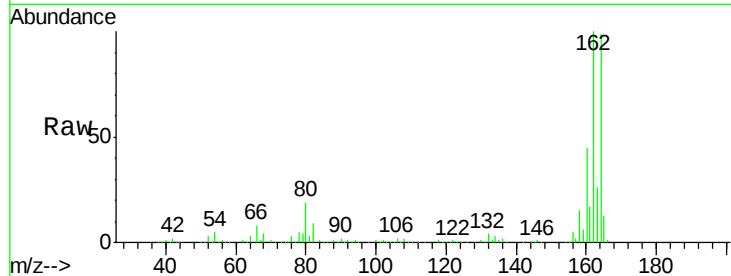
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF113018.D
Acq: 12 Mar 2019 22:27

Instrument :
BNA_F
ClientSampleId :
SUP-7B-C-4-031119

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.2	80.6	120.8	
160	45.9	36.0	54.0	

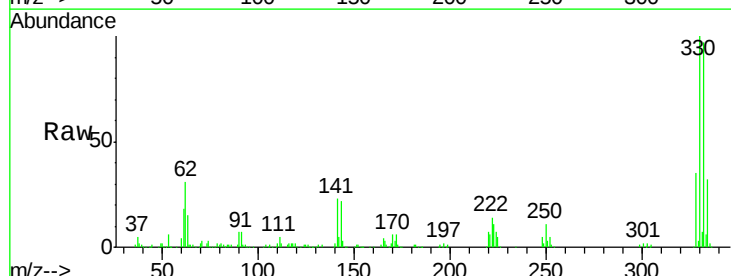
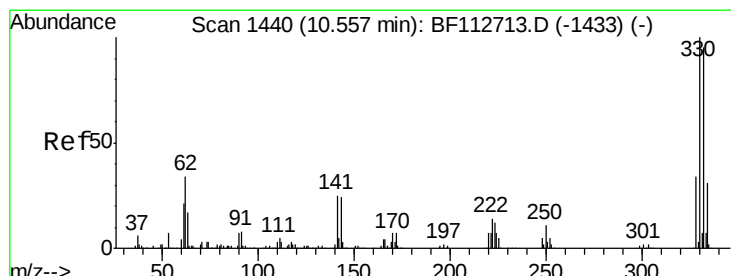
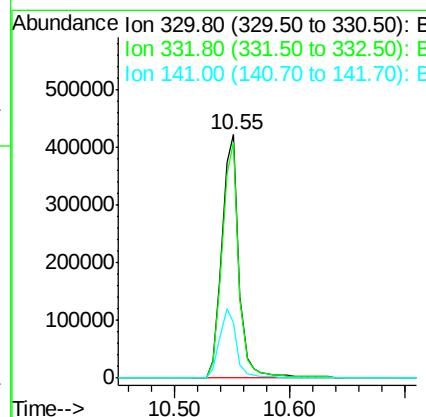
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#42
2,4,6-Tribromophenol
Concen: 129.165 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.00 min
Lab File: BF113018.D
Acq: 12 Mar 2019 22:27

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.6	76.2	114.4	
141	28.8	27.0	40.6	





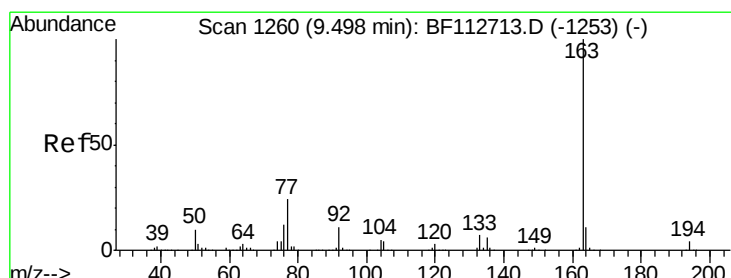
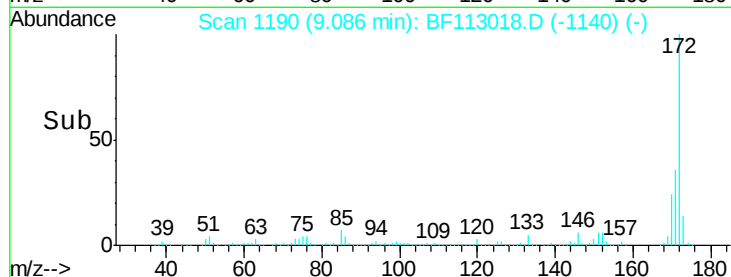
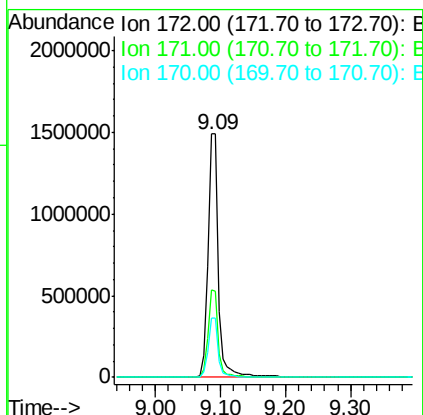
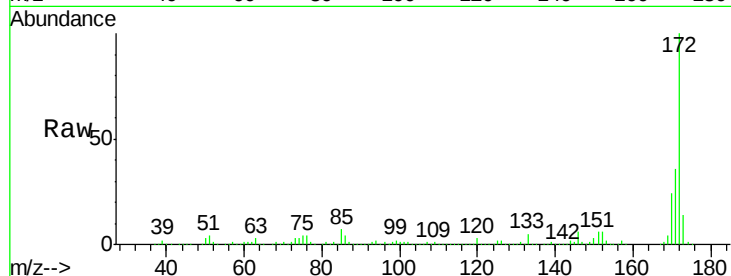
#45
2-Fluorobiphenyl
Concen: 86.442 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF113018.D
Acq: 12 Mar 2019 22:27

Instrument :
BNA_F
ClientSampleId :
SUP-7B-C-4-031119

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.0	43.4
170	24.2	20.0	30.0

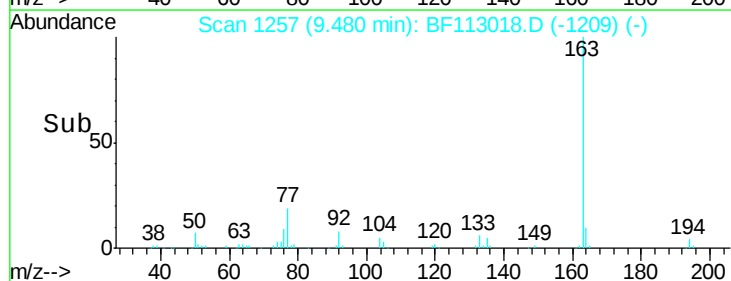
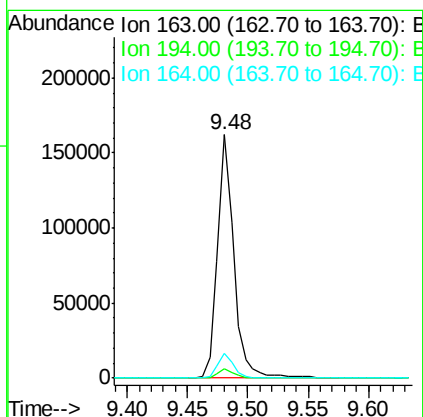
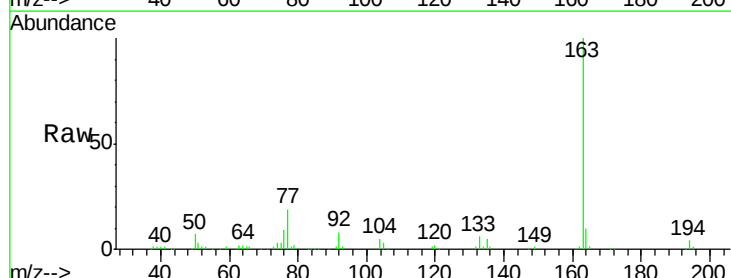
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#50
Dimethylphthalate
Concen: 6.464 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BF113018.D
Acq: 12 Mar 2019 22:27

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.4
164	10.1	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: BF113018.D

Acq: 12 Mar 2019 22:27

Instrument :

BNA_F

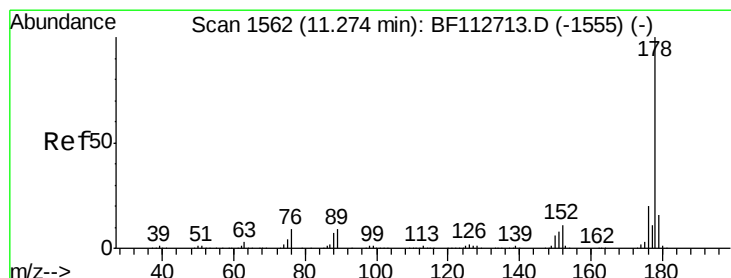
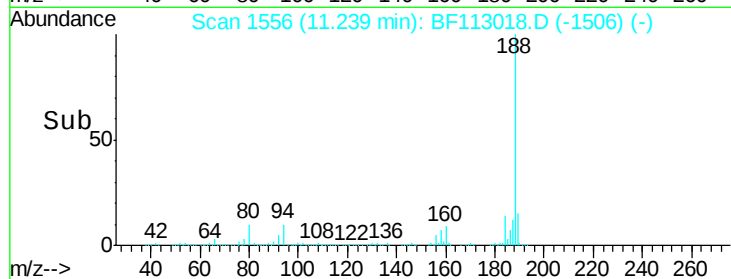
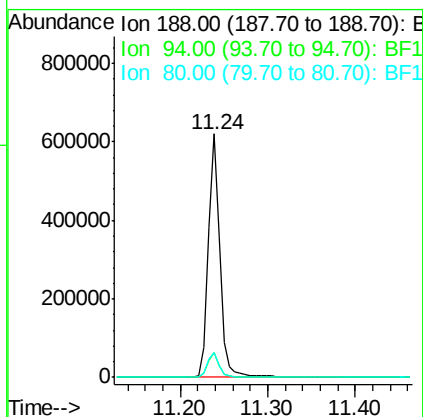
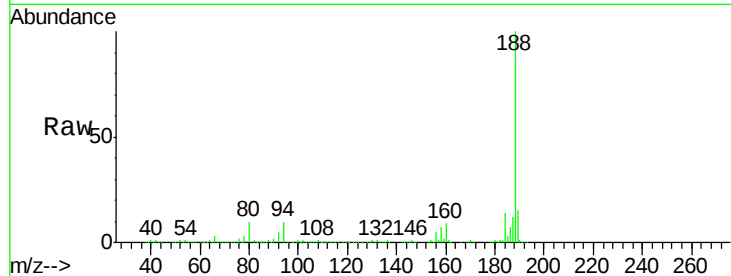
ClientSampleId :

SUP-7B-C-4-031119

Tot Ion:	188	Resp:	574980
Ion Ratio	Lower	Upper	
188	100		
94	10.1	9.0	13.4
80	10.3	9.2	13.8

Manual Integrations
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#71

Phenanthrene

Concen: 7.477 ng

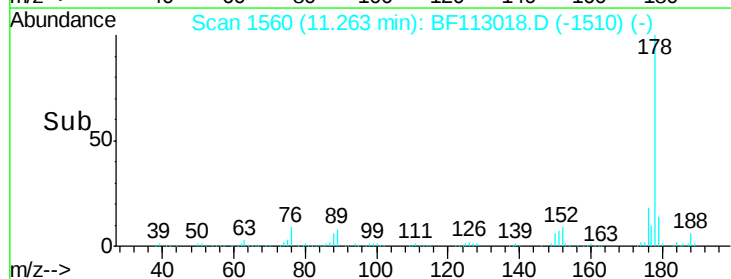
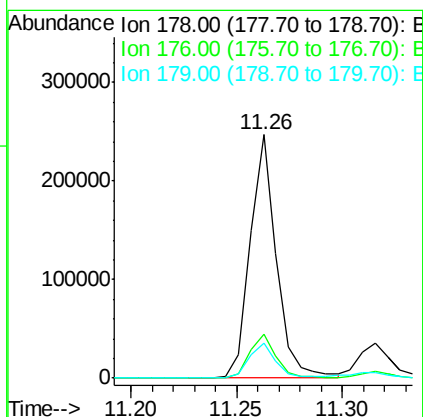
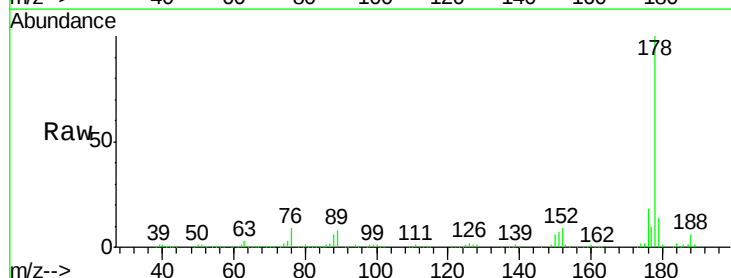
RT: 11.26 min Scan# 1560

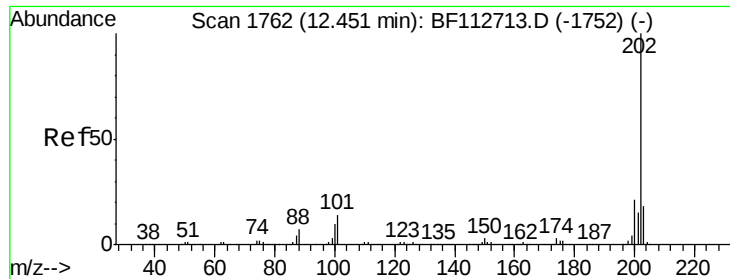
Delta R.T. -0.01 min

Lab File: BF113018.D

Acq: 12 Mar 2019 22:27

Tgt Ion:	178	Resp:	213889
Ion Ratio	Lower	Upper	
178	100		
176	18.0	16.3	24.5
179	14.4	12.7	19.1





#75

Fluoranthene

Concen: 15.947 ng

RT: 12.45 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF113018.D

Acq: 12 Mar 2019 22:27

Instrument :

BNA_F

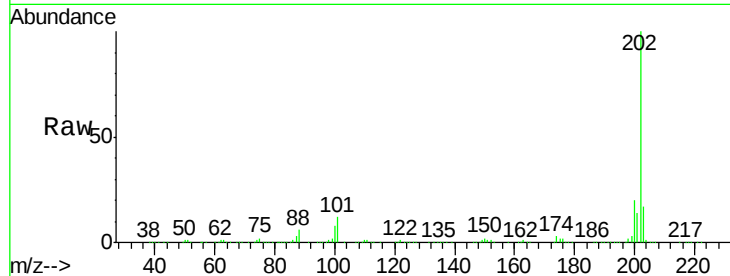
ClientSampleId :

SUP-7B-C-4-031119

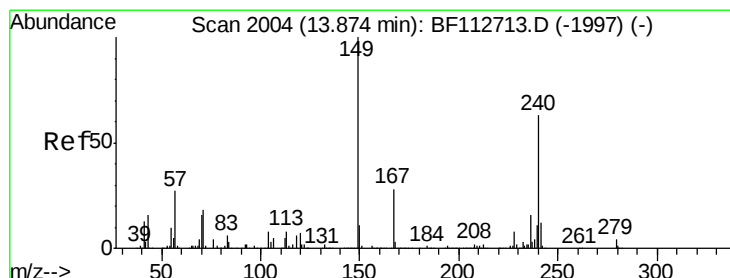
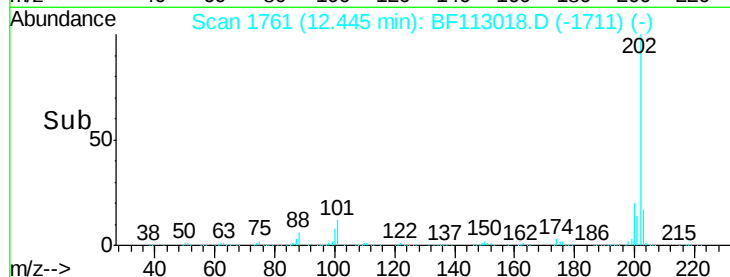
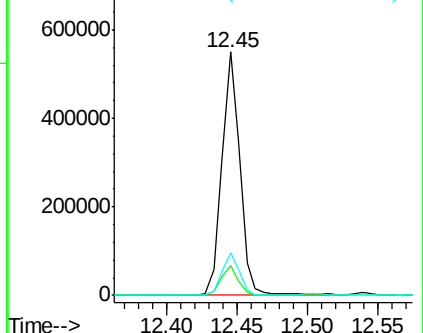
Tot Ion	Ratio	Resp	Lower	Upper
202	100	488758		
101	12.1	0.0	33.8	
203	17.4	0.0	38.4	

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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



#76

Chrysene-d12

Concen: 20.000 ng

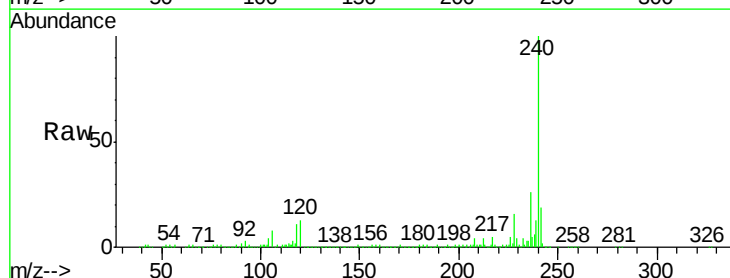
RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

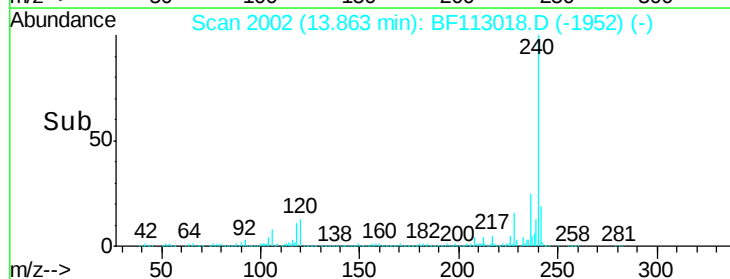
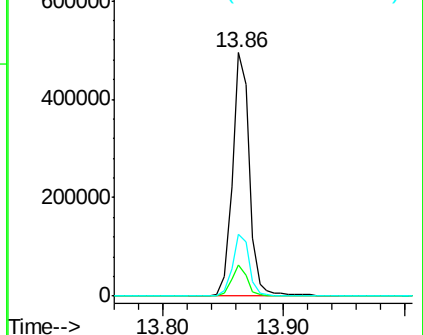
Lab File: BF113018.D

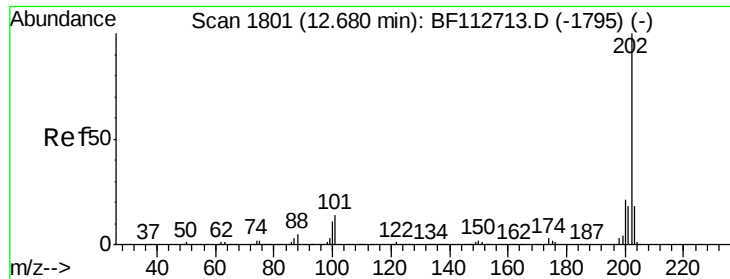
Acq: 12 Mar 2019 22:27

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	481879		
120	13.0	8.9	13.3	
236	25.6	20.7	31.1	



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





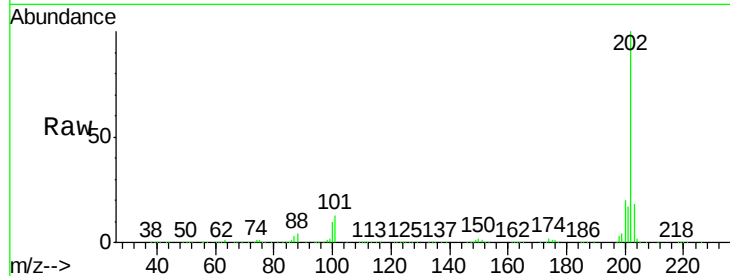
#78
Pvrene
Concen: 10.670 ng
RT: 12.67 min Scan# 1800
Delta R.T. -0.00 min
Lab File: BF113018.D
Acq: 12 Mar 2019 22:27

Instrument :
BNA_F
ClientSampleId :
SUP-7B-C-4-031119

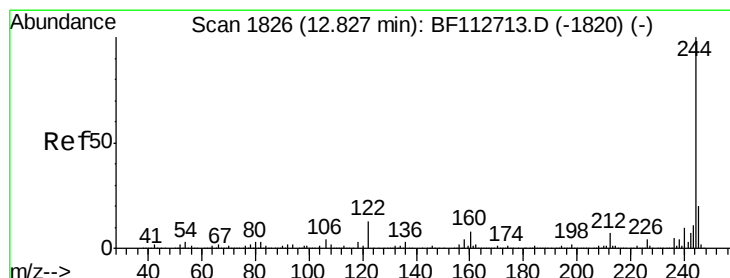
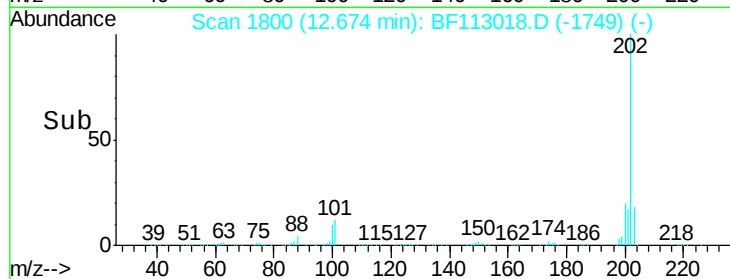
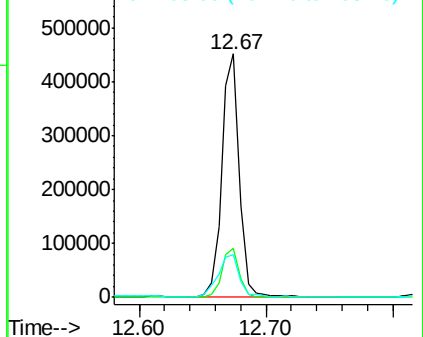
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.0	25.4
203	17.7	14.4	21.6

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3/13/2019 11:40:46 AM



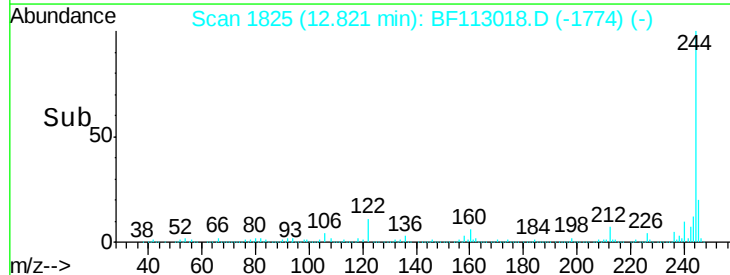
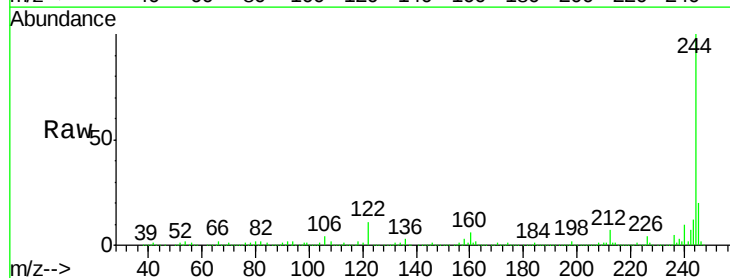
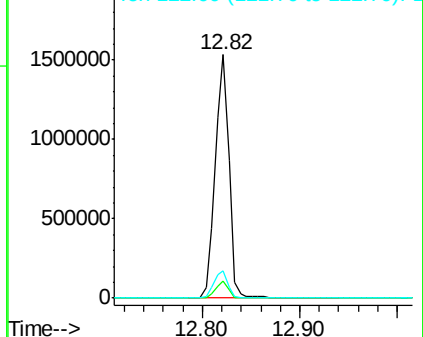
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

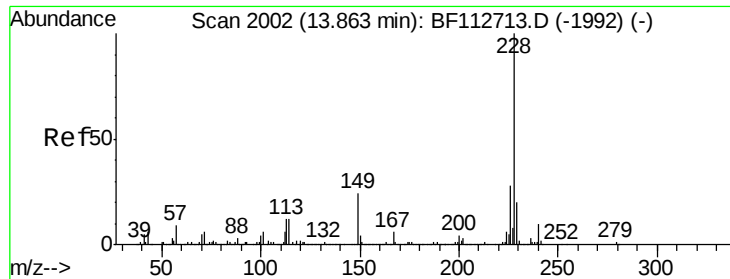


#79
Terphenyl-d14
Concen: 60.303 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.00 min
Lab File: BF113018.D
Acq: 12 Mar 2019 22:27

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	11.3	10.5	15.7

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





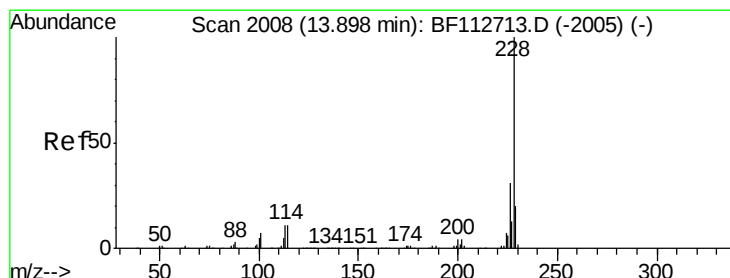
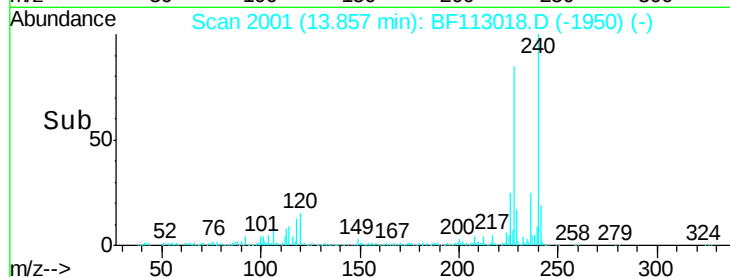
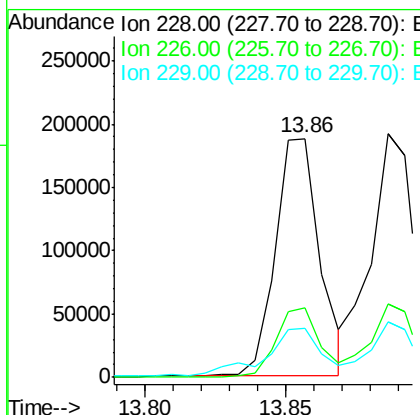
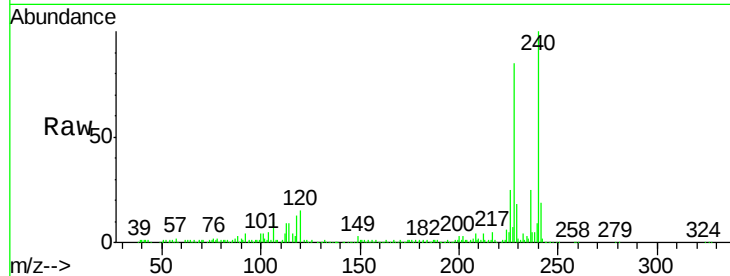
#81
Benzo(a)anthracene
Concen: 6.151 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.00 min
Lab File: BF113018.D
Acq: 12 Mar 2019 22:27

Instrument :
BNA_F
ClientSampleId :
SUP-7B-C-4-031119

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.2	33.4
229	20.6	16.0	24.0

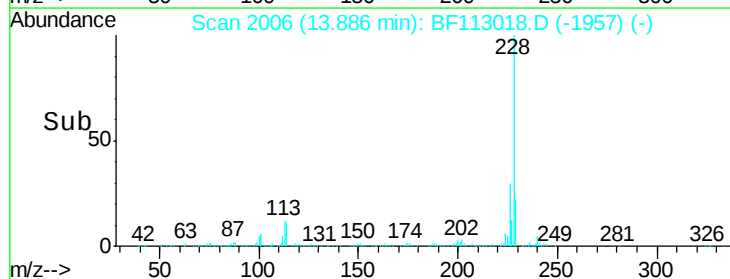
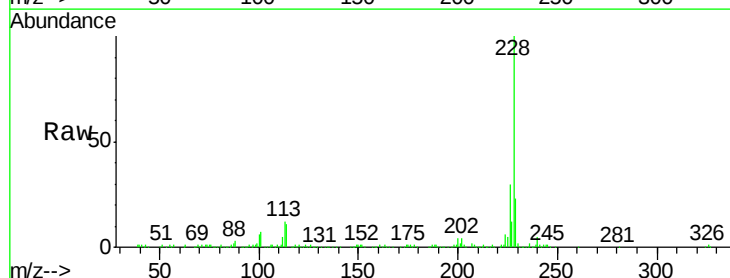
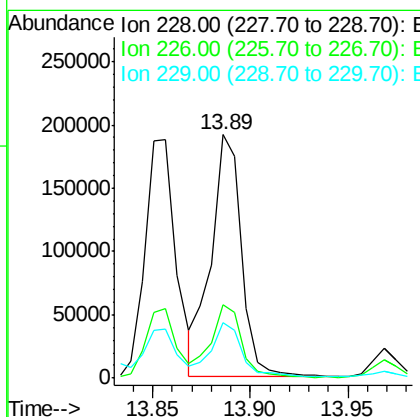
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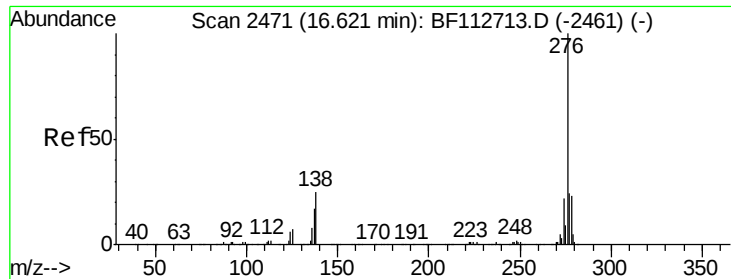
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#83
Chrysene
Concen: 6.377 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF113018.D
Acq: 12 Mar 2019 22:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.9	37.3
229	22.6	16.3	24.5





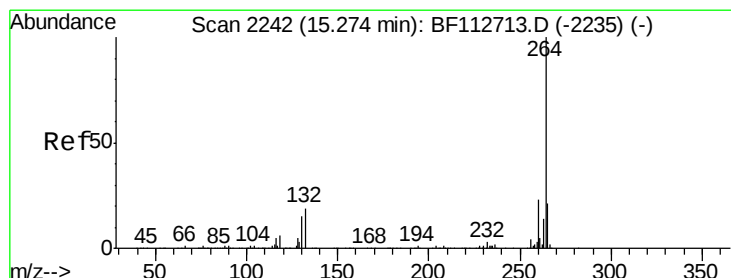
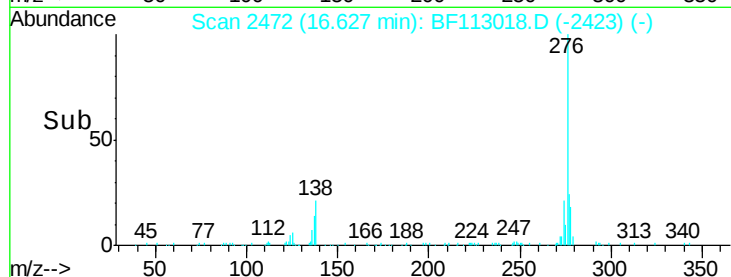
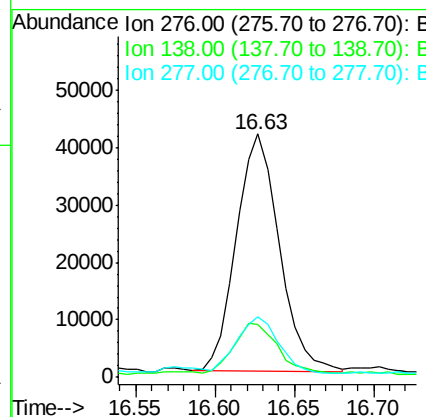
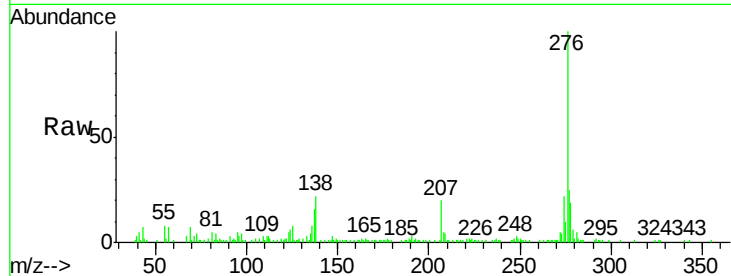
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.787 ng
RT: 16.63 min Scan# 2472
Delta R.T. -0.01 min
Lab File: BF113018.D
Acq: 12 Mar 2019 22:27

Instrument :
BNA_F
ClientSampleId :
SUP-7B-C-4-031119

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.1	23.2	34.8#
277	23.4	19.9	29.9

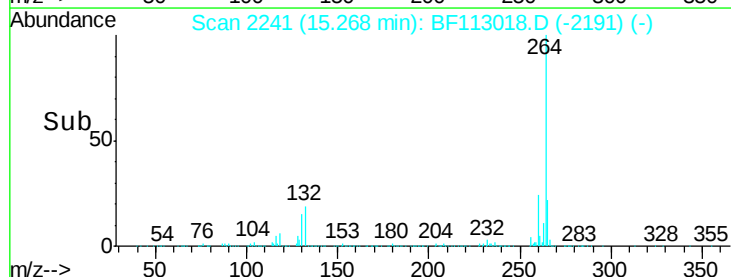
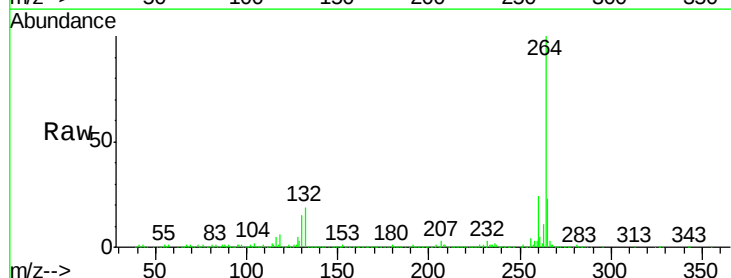
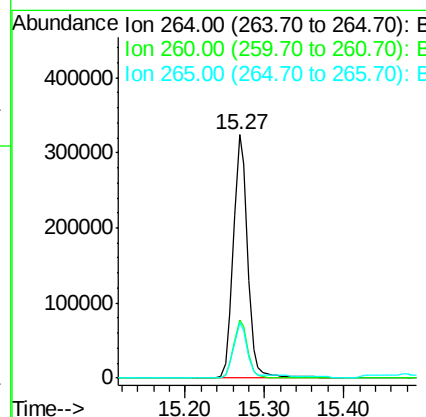
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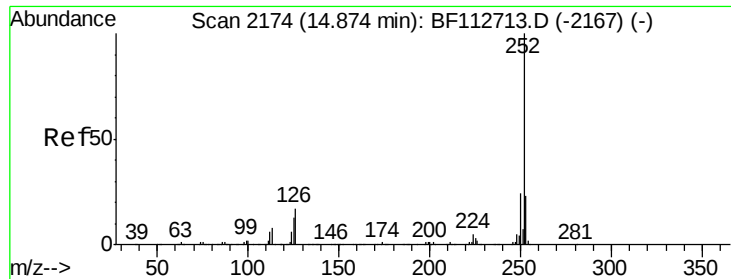
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3/13/2019 11:40:46 AM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF113018.D
Acq: 12 Mar 2019 22:27

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.7	28.1
265	22.6	17.2	25.8





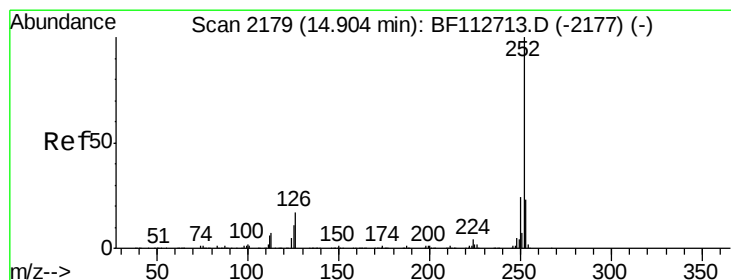
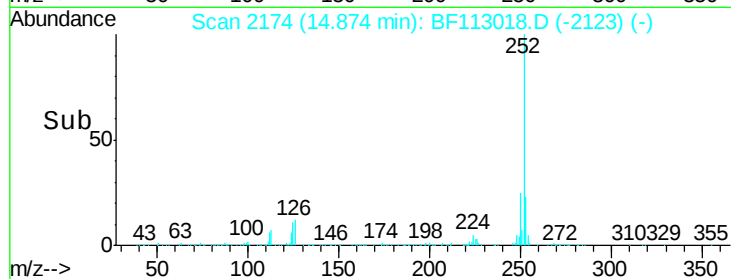
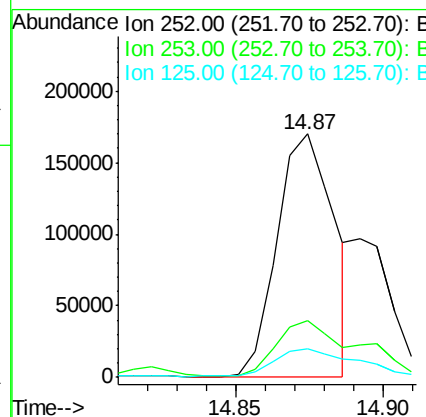
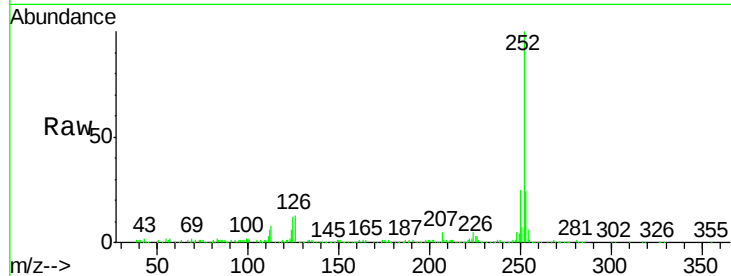
#88
Benzo(b)fluoranthene
Concen: 8.707 ng m
RT: 14.87 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BF113018.D
Acq: 12 Mar 2019 22:27

Instrument :
BNA_F
ClientSampleId :
SUP-7B-C-4-031119

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.0	27.0
125	11.8	10.2	15.2

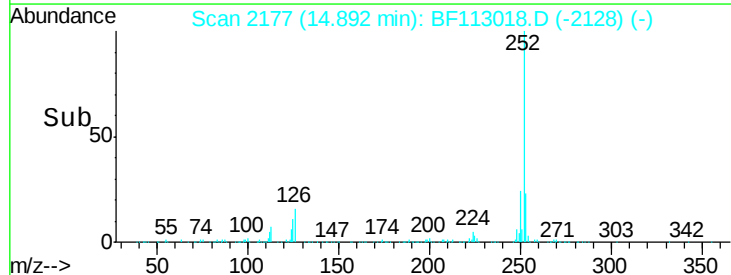
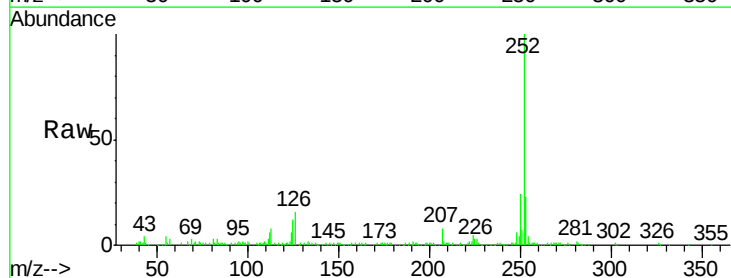
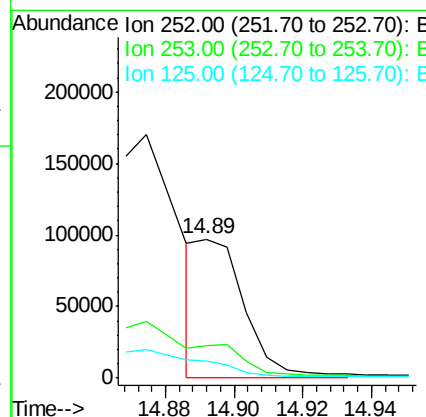
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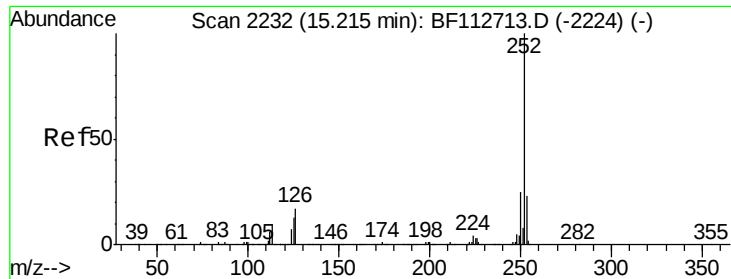
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#89
Benzo(k)fluoranthene
Concen: 3.898 ng m
RT: 14.89 min Scan# 2177
Delta R.T. -0.01 min
Lab File: BF113018.D
Acq: 12 Mar 2019 22:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.2
125	12.0	9.8	14.6





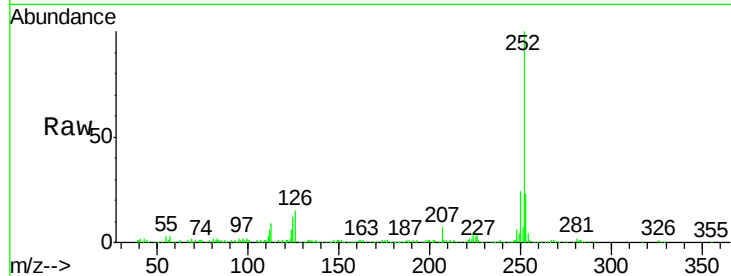
#90
Benzo(a)pyrene
Concen: 6.842 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF113018.D
Acq: 12 Mar 2019 22:27

Instrument :
BNA_F
ClientSampleId :
SUP-7B-C-4-031119

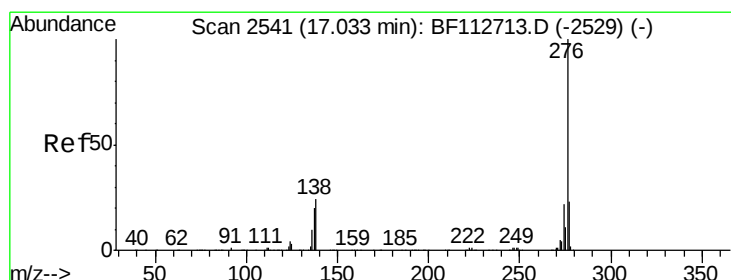
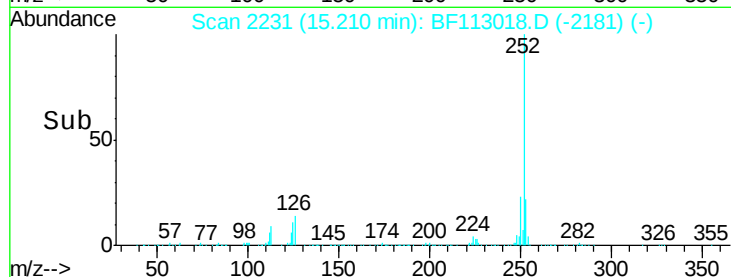
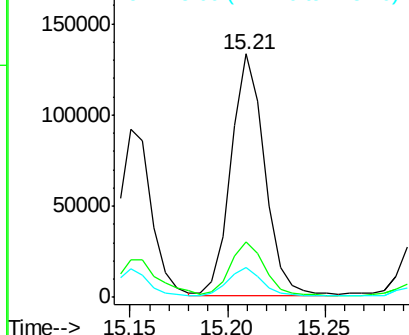
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	12.1	10.7	16.1

Manual Integrations
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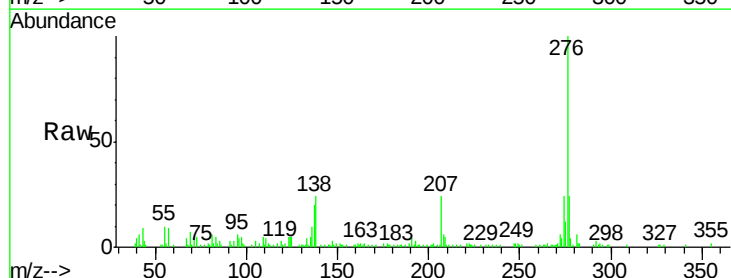


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 3.805 ng
RT: 17.03 min Scan# 2541
Delta R.T. -0.01 min
Lab File: BF113018.D
Acq: 12 Mar 2019 22:27

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.6	27.8
138	24.3	19.4	29.0



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

