

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112318\
 Data File : BF110948.D
 Acq On : 23 Nov 2018 17:07
 Operator : JU/SJ
 Sample : J5999-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSSI-1115-S-AB-2

Manual Integrations
 APPROVED

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Quant Time: Nov 23 21:24:27 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 12:43:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	68992	20.00	ng	-0.01
21) Naphthalene-d8	8.22	136	275145	20.00	ng	-0.01
39) Acenaphthene-d10	9.97	164	111934	20.00	ng	-0.02
64) Phenanthrene-d10	11.47	188	189744	20.00	ng	-0.01
76) Chrysene-d12	14.13	240	167490	20.00	ng	-0.01
87) Perylene-d12	15.66	264	129668	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	400674	94.33	ng	0.00
7) Phenol-d6	6.56	99	492374	90.65	ng	-0.01
23) Nitrobenzene-d5	7.50	82	311325	65.16	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	85991	76.24	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	355612	45.37	ng	-0.02
79) Terphenyl-d14	13.05	244	279160	31.21	ng	-0.02
Target Compounds						
10) Phenol	6.57	94	26621	4.227	ng	Qvalue # 77
50) Dimethylphthalate	9.69	163	36422	4.361	ng	99
71) Phenanthrene	11.50	178	77537	7.627	ng	99
72) Anthracene	11.56	178	24293	2.369	ng	97
75) Fluoranthene	12.69	202	152540	14.967	ng	99
78) Pyrene	12.93	202	137975	10.699	ng	98
81) Benzo(a)anthracene	14.12	228	83936	8.384	ng	98
83) Chrysene	14.15	228	74757	7.838	ng	98
86) Indeno(1,2,3-cd)pyrene	17.25	276	29656	4.333	ng	95
88) Benzo(b)fluoranthene	15.20	252	86278m	11.122	ng	
89) Benzo(k)fluoranthene	15.23	252	32649m	4.259	ng	
90) Benzo(a)pyrene	15.59	252	58065	8.239	ng	97
92) Benzo(a,h,i)perylene	17.73	276	28791	4.865	ng	# 95

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

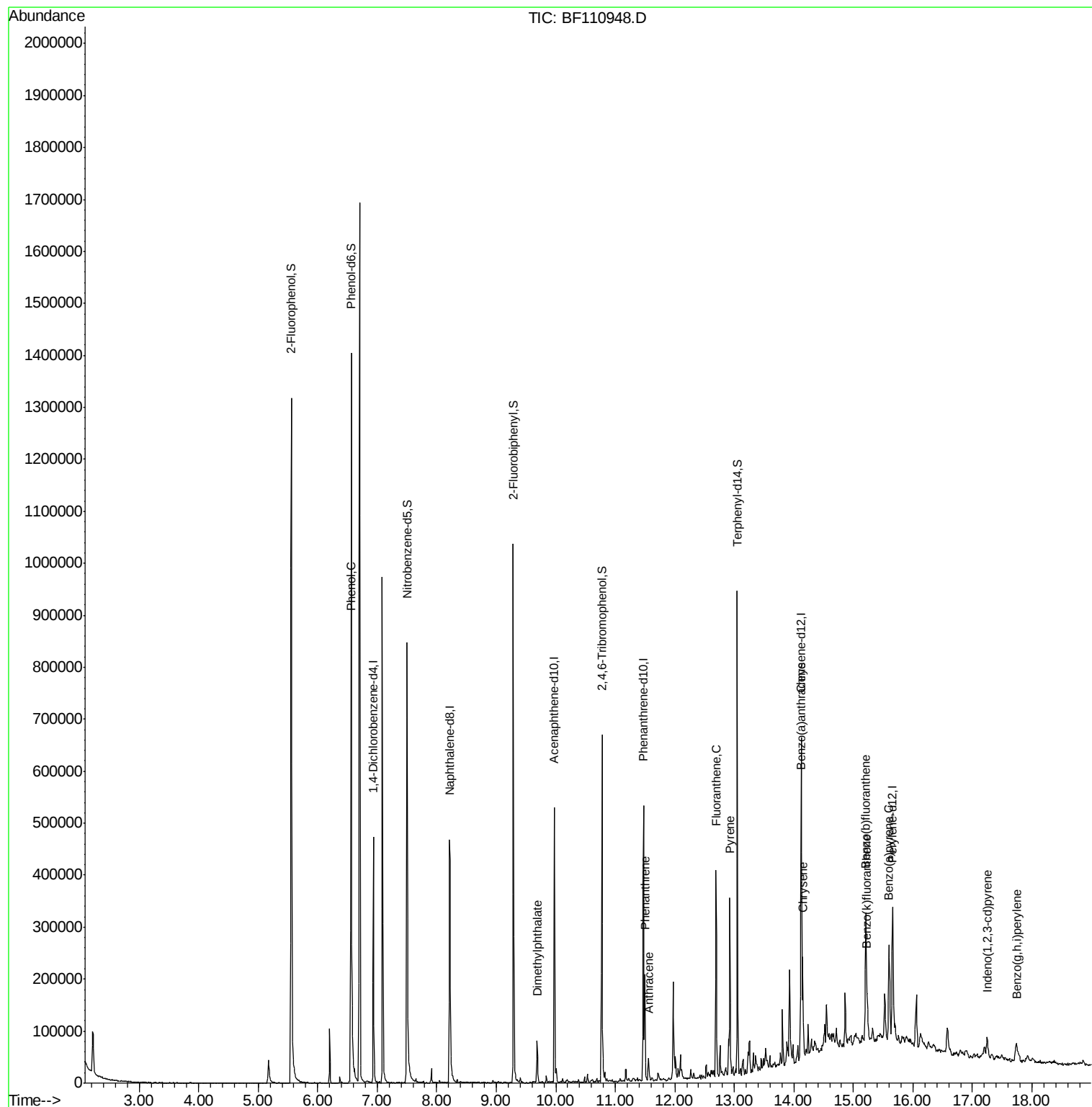
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112318\
Data File : BF110948.D
Acq On : 23 Nov 2018 17:07
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

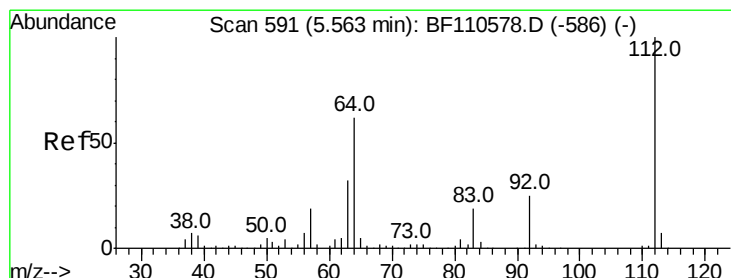
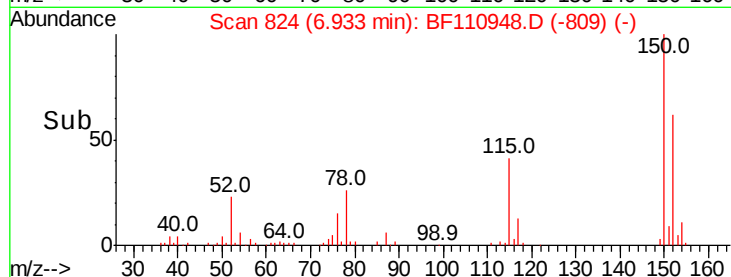
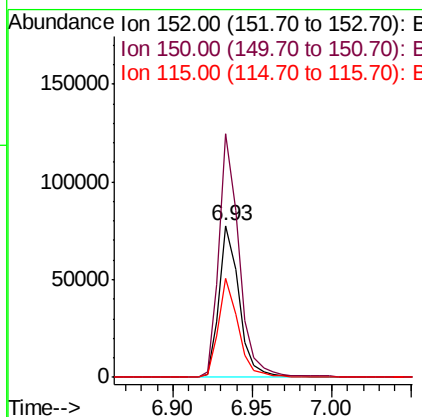
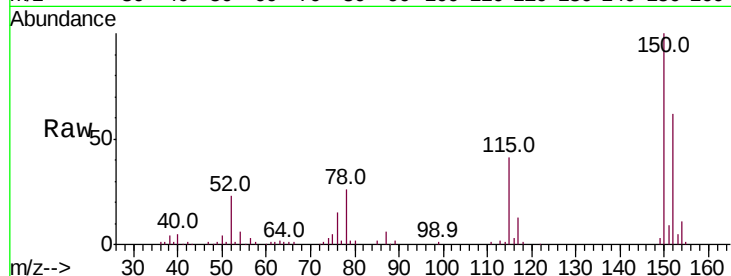
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 824
Delta R.T. -0.01 min
Lab File: BF110948.D
Acq: 23 Nov 2018 17:07

Instrument :
BNA_F
ClientSampleId :
SSSI-1115-S-AB-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.6	122.7	184.1
115	65.1	49.1	73.7

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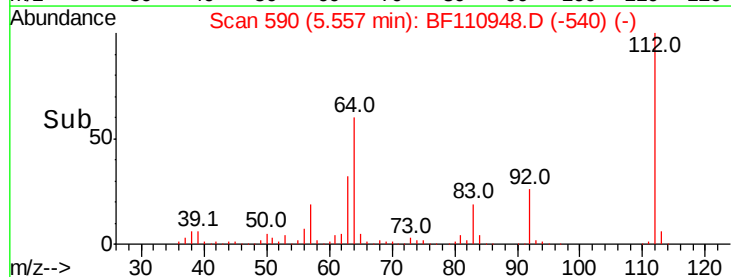
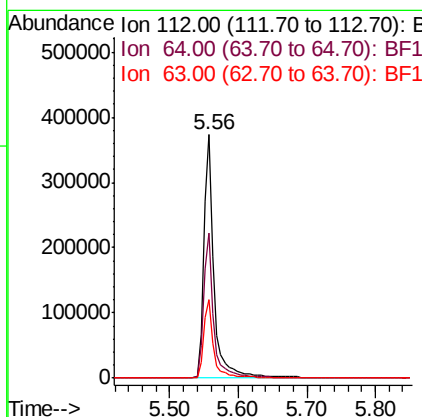
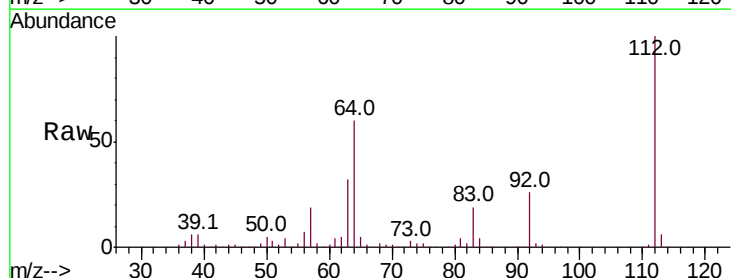
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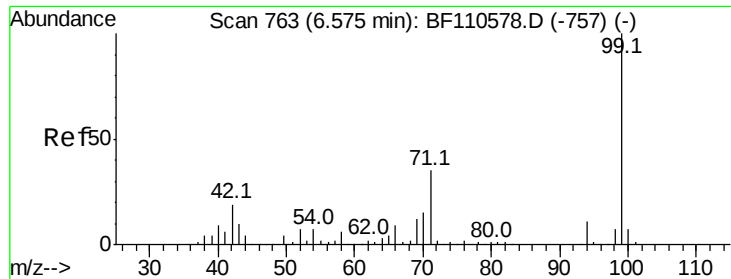


#5

2-Fluorophenol
Concen: 94.333 ng
RT: 5.56 min Scan# 590
Delta R.T. -0.01 min
Lab File: BF110948.D
Acq: 23 Nov 2018 17:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.6	44.1	66.1
63	32.2	23.7	35.5





#7

Phenol-d6

Concen: 90.652 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF110948.D

Acq: 23 Nov 2018 17:07

Instrument :

BNA_F

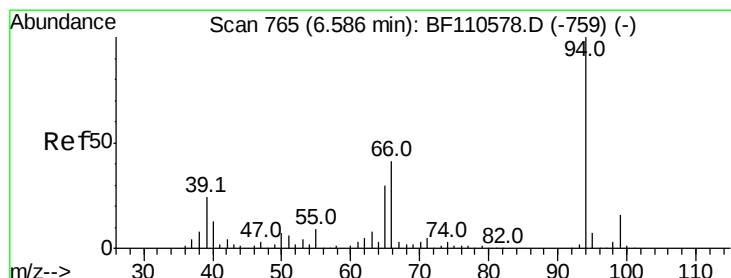
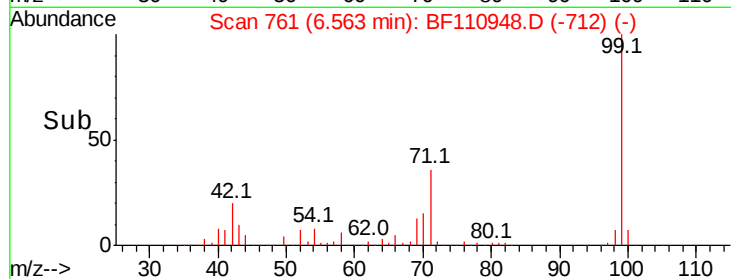
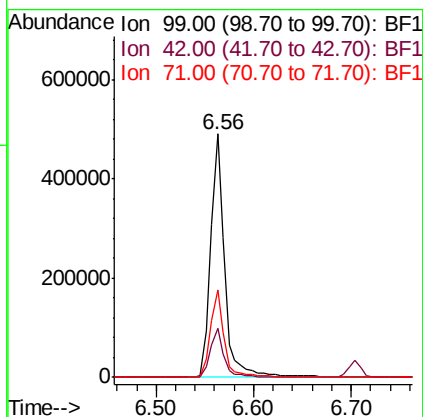
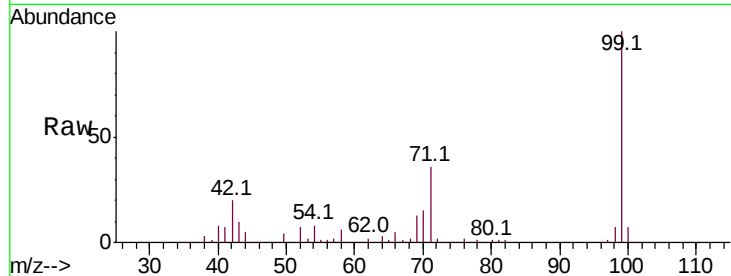
ClientSampleId :

SSSI-1115-S-AB-2

Tot Ion:	99	Resp:	492374
Ion Ratio	Lower	Upper	
99	100		
42	20.0	15.8	23.6
71	35.8	28.0	42.0

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#10

Phenol

Concen: 4.227 ng

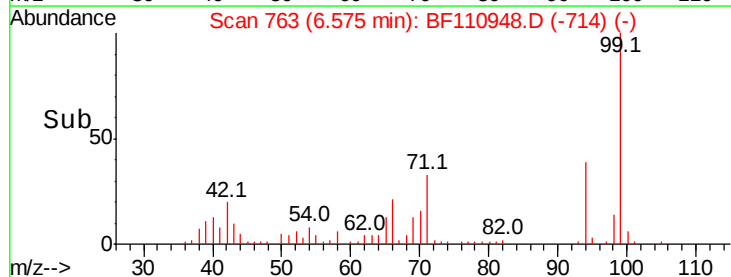
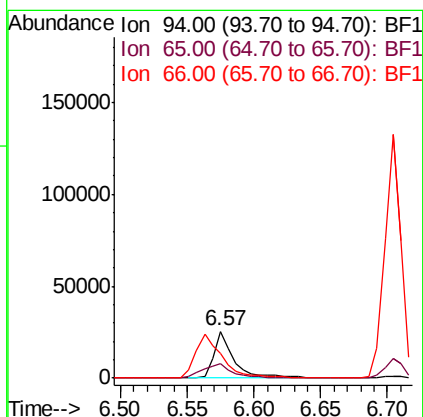
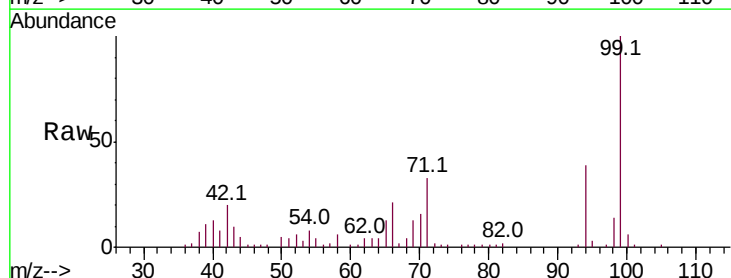
RT: 6.57 min Scan# 763

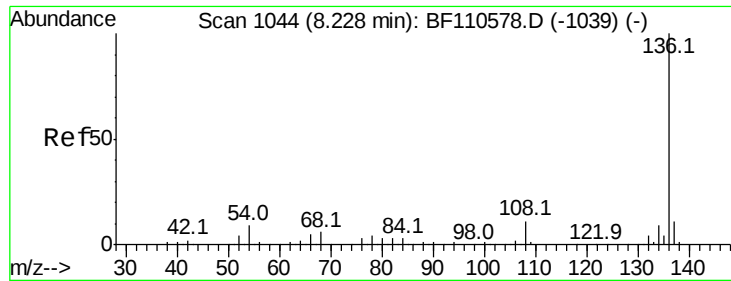
Delta R.T. -0.01 min

Lab File: BF110948.D

Acq: 23 Nov 2018 17:07

Tgt Ion:	94	Resp:	26621
Ion Ratio	Lower	Upper	
94	100		
65	32.4	25.3	65.3
66	53.8	54.5	94.5#





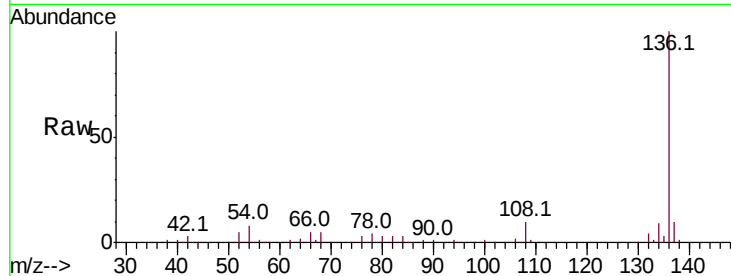
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF110948.D
Acq: 23 Nov 2018 17:07

Instrument :
BNA_F
ClientSampleId :
SSSI-1115-S-AB-2

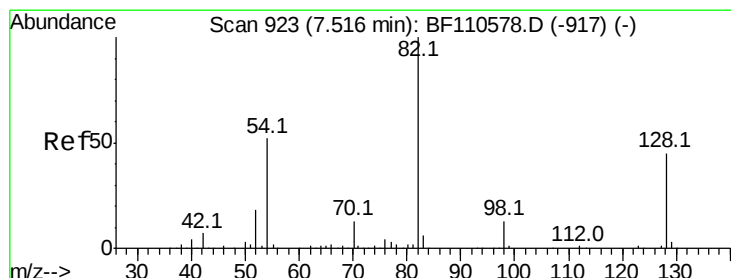
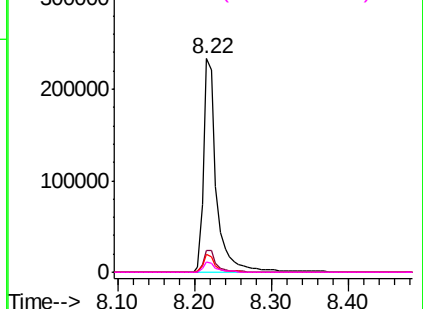
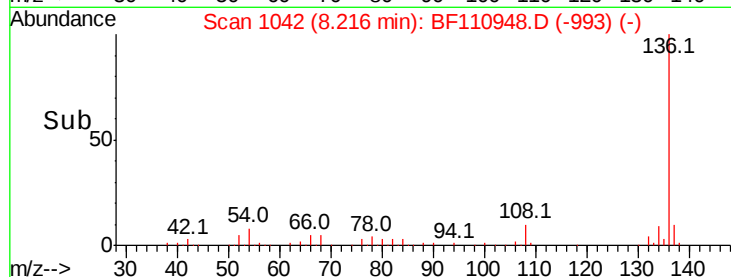
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.5	8.8	13.2	
54	8.3	5.4	8.2#	
68	5.1	4.2	6.2	

Manual Integrations
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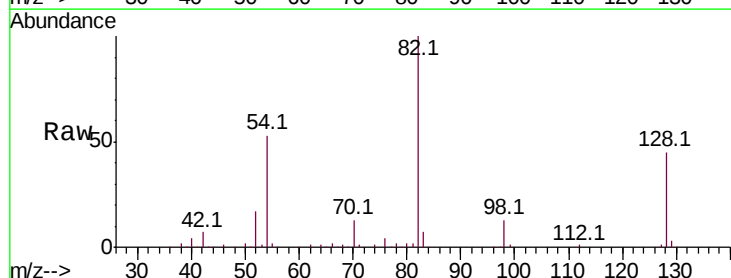


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

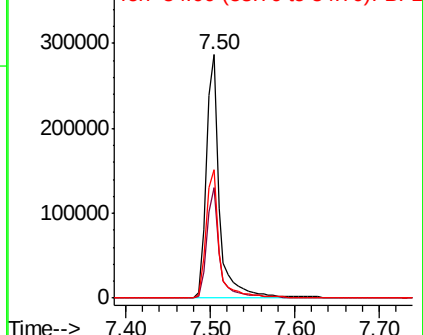
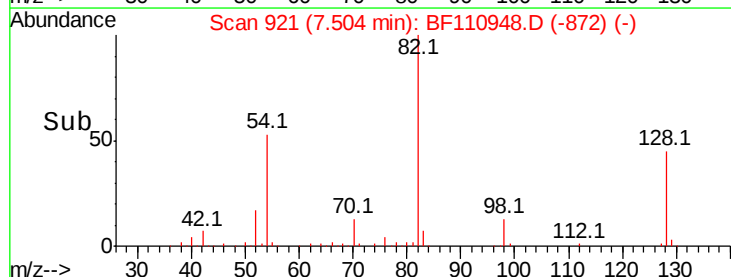


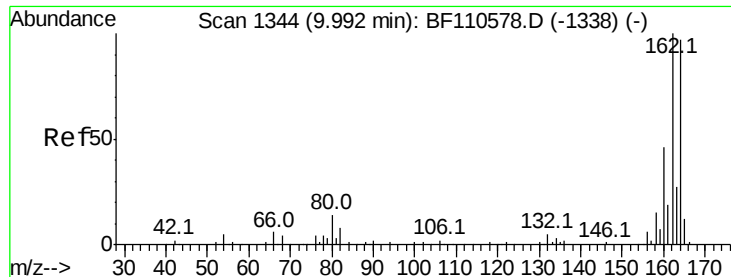
#23
Nitrobenzene-d5
Concen: 65.162 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF110948.D
Acq: 23 Nov 2018 17:07

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.3	34.2	51.2	
54	52.8	38.6	58.0	



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





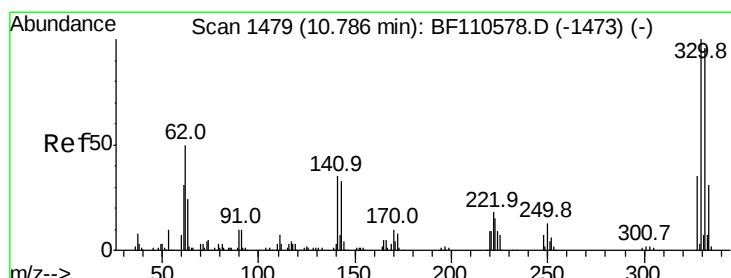
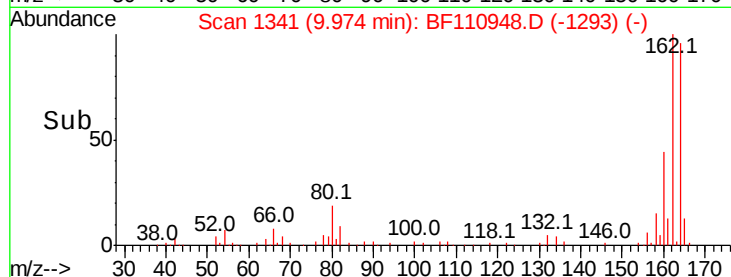
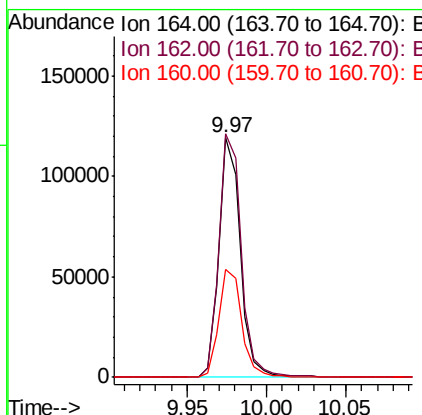
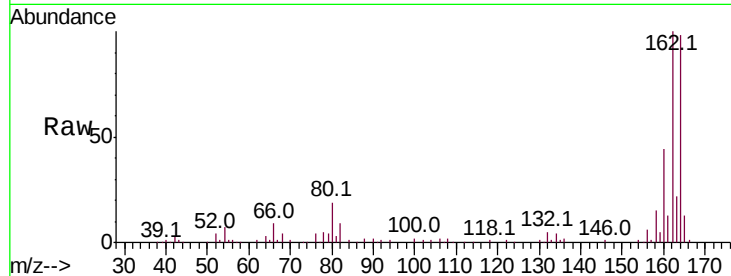
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BF110948.D
Acq: 23 Nov 2018 17:07

Instrument :
BNA_F
ClientSampleId :
SSSI-1115-S-AB-2

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.6	83.0	124.6
160	45.1	37.0	55.6

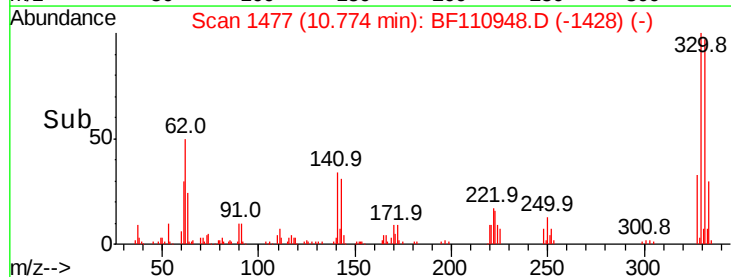
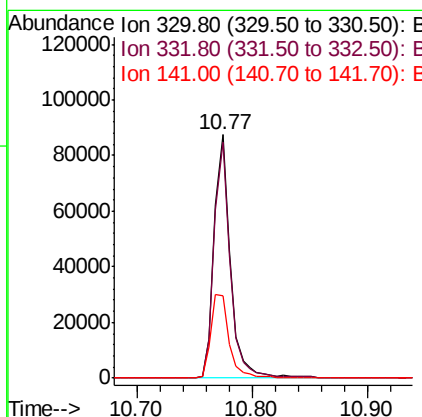
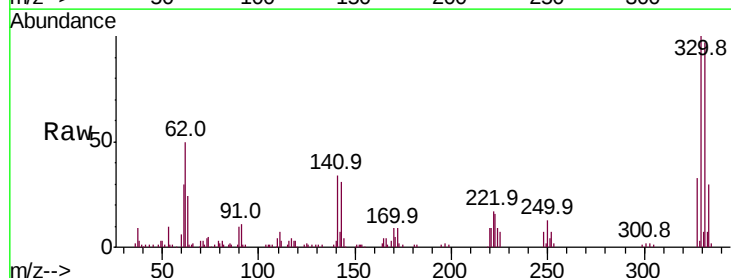
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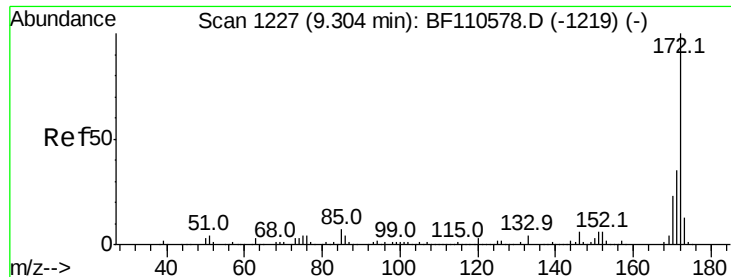
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#42
2,4,6-Tribromophenol
Concen: 76.242 ng
RT: 10.77 min Scan# 1477
Delta R.T. -0.01 min
Lab File: BF110948.D
Acq: 23 Nov 2018 17:07

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.1	115.7
141	38.2	27.0	40.4





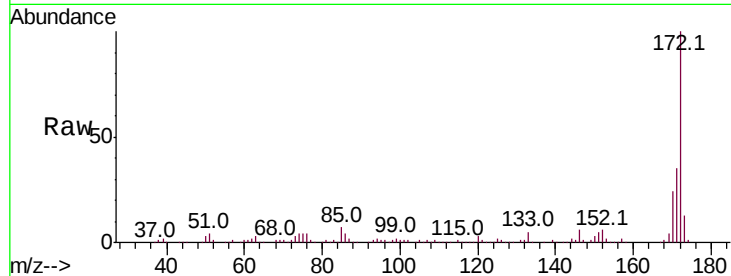
#45
2-Fluorobiphenyl
Concen: 45.373 ng
RT: 9.29 min Scan# 1224
Delta R.T. -0.02 min
Lab File: BF110948.D
Acq: 23 Nov 2018 17:07

Instrument :
BNA_F
ClientSampleId :
SSSI-1115-S-AB-2

Tot Ion	Ratio	Resp	Lower	Upper
172	100	355612		
171	35.3		28.6	43.0
170	23.7		19.7	29.5

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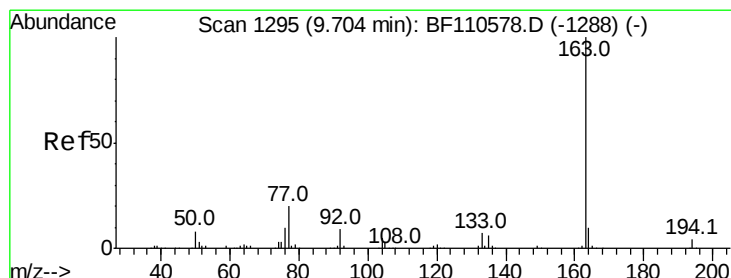
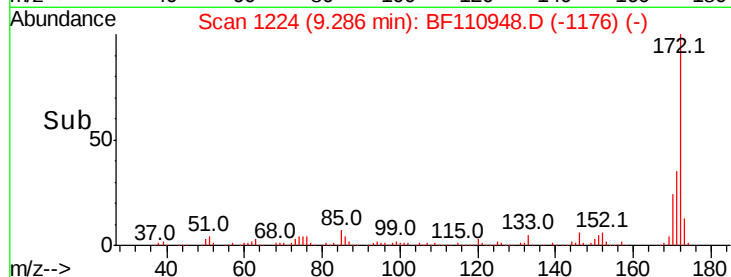
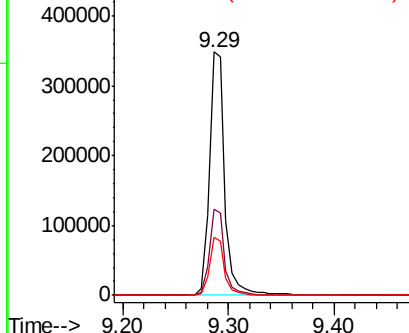


Abundance

Ion 172.00 (171.70 to 172.70): E

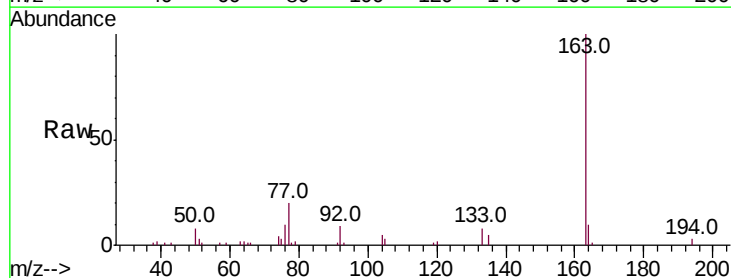
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 4.361 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.02 min
Lab File: BF110948.D
Acq: 23 Nov 2018 17:07

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	36422		
194	3.4		3.2	4.8
164	10.0		8.1	12.1

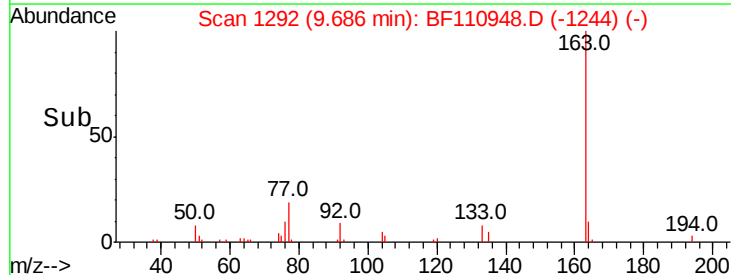
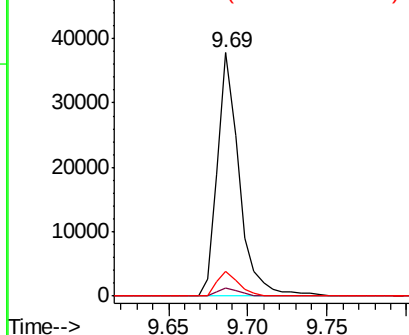


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.47 min Scan# 1596

Delta R.T. -0.01 min

Lab File: BF110948.D

Acq: 23 Nov 2018 17:07

Instrument :

BNA_F

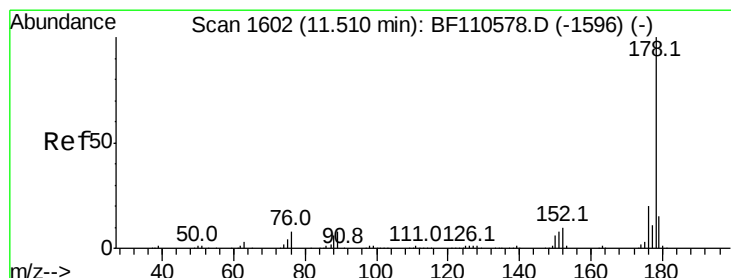
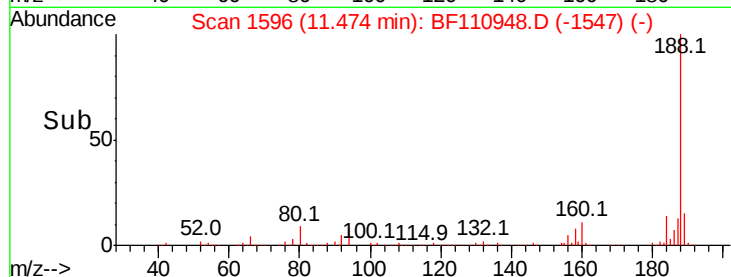
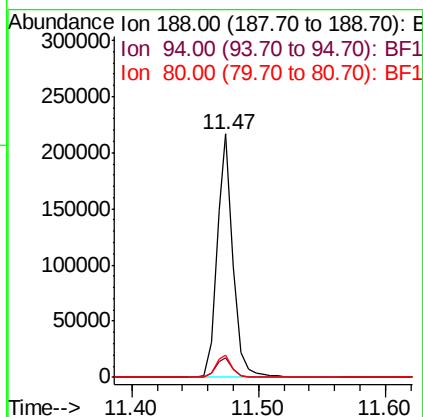
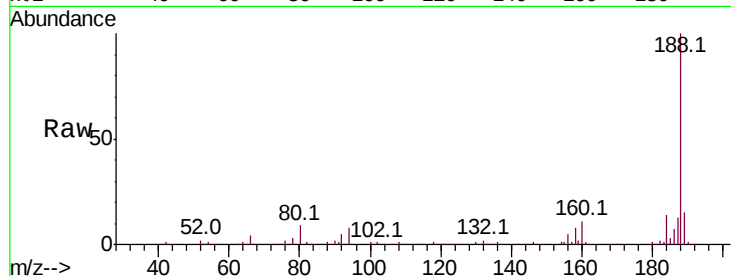
ClientSampleId :

SSSI-1115-S-AB-2

Tot Ion	Ratio	Resp	Lower	Upper
188	100	189744		
94	7.9		7.2	10.8
80	9.3		7.9	11.9

Manual Integrations
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#71

Phenanthrene

Concen: 7.627 ng

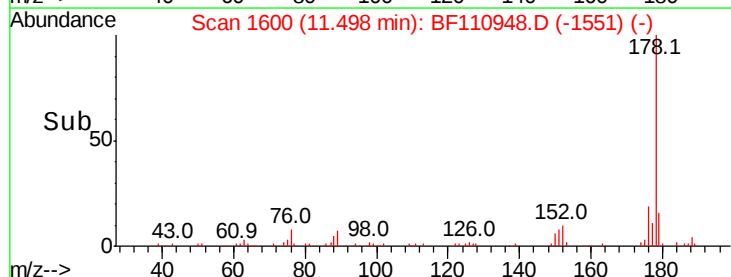
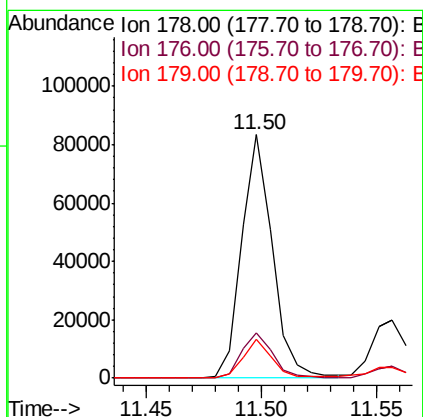
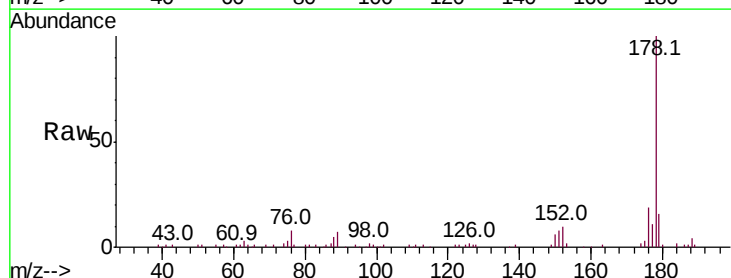
RT: 11.50 min Scan# 1600

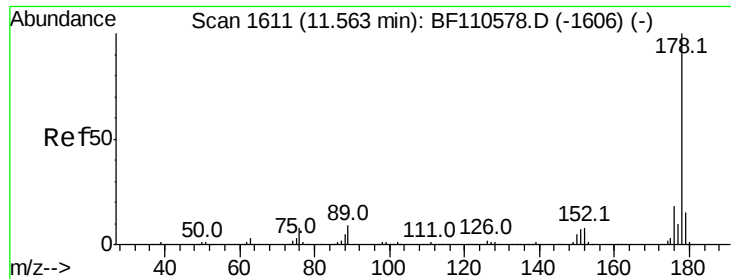
Delta R.T. -0.01 min

Lab File: BF110948.D

Acq: 23 Nov 2018 17:07

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	77537		
176	18.7		15.5	23.3
179	15.8		12.5	18.7





#72

Anthracene

Concen: 2.369 ng

RT: 11.56 min Scan# 1610

Delta R.T. -0.01 min

Lab File: BF110948.D

Acq: 23 Nov 2018 17:07

Instrument :

BNA_F

ClientSampleId :

SSSI-1115-S-AB-2

Tot Ion:178 Resp: 24293

Ion Ratio Lower Upper

178 100

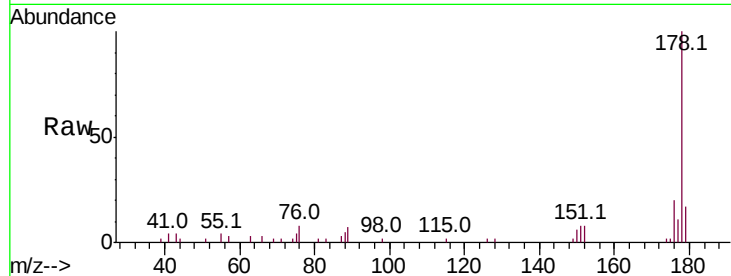
176 19.9 15.4 23.2

179 17.4 12.6 18.8

Manual Integrations
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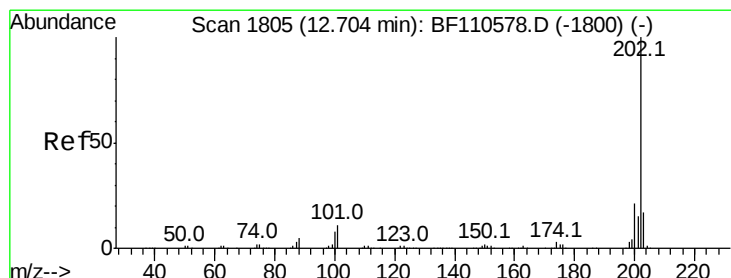
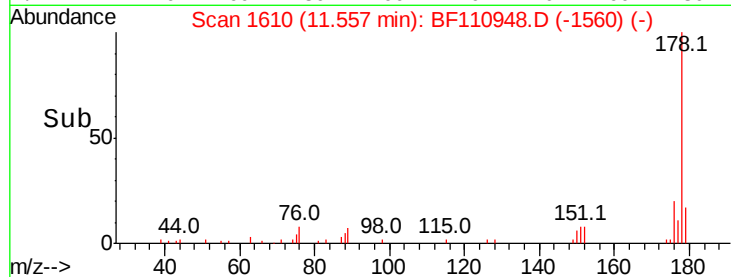
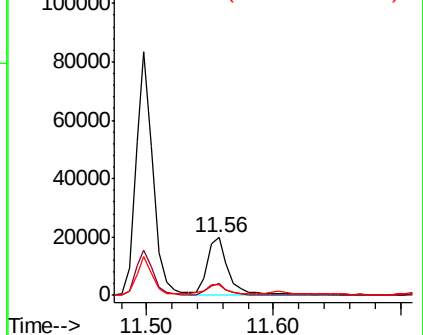
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 14.967 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF110948.D

Acq: 23 Nov 2018 17:07

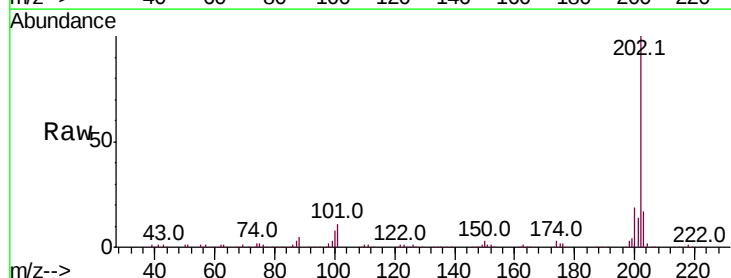
Tgt Ion:202 Resp: 152540

Ion Ratio Lower Upper

202 100

101 11.2 0.0 31.4

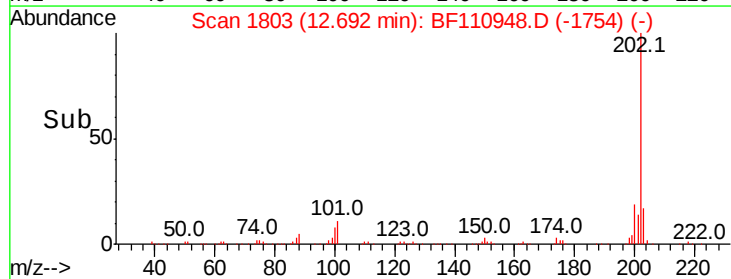
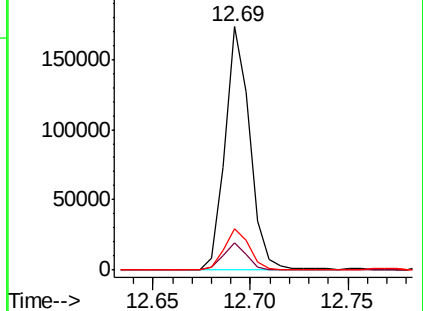
203 17.2 0.0 37.7

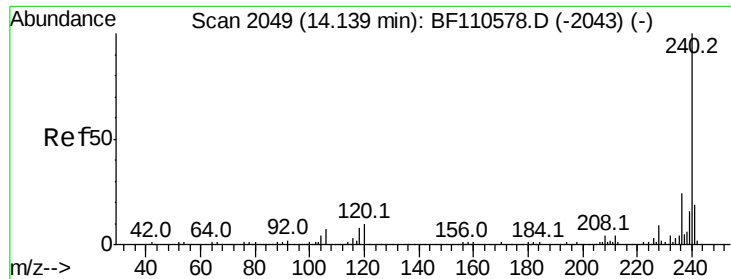


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.13 min Scan# 2047

Delta R.T. -0.01 min

Lab File: BF110948.D

Acq: 23 Nov 2018 17:07

Instrument :

BNA_F

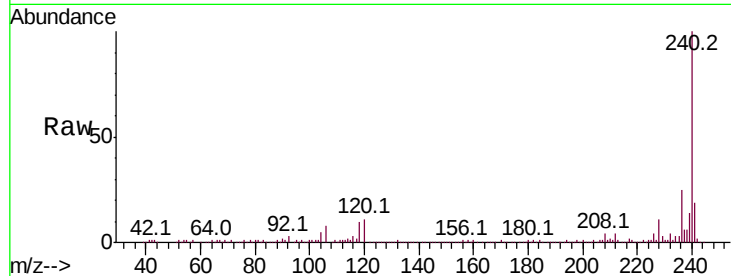
ClientSampleId :

SSSI-1115-S-AB-2

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.3	12.5
236	25.4	21.2	31.8

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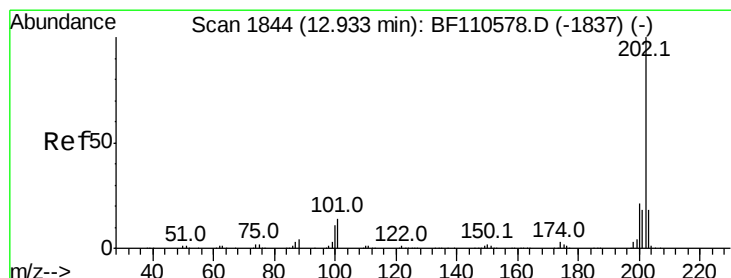
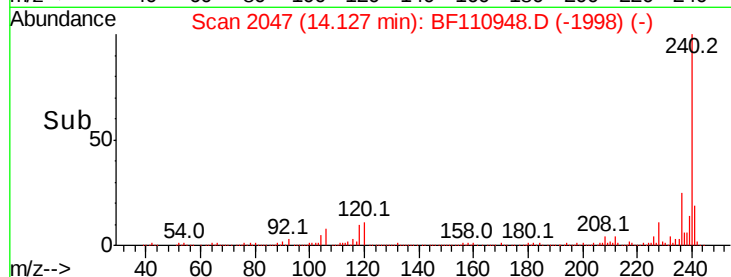
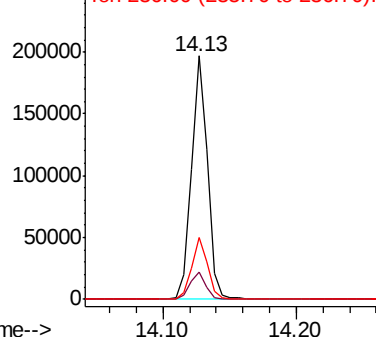


Abundance

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

Pyrene

Concen: 10.699 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF110948.D

Acq: 23 Nov 2018 17:07

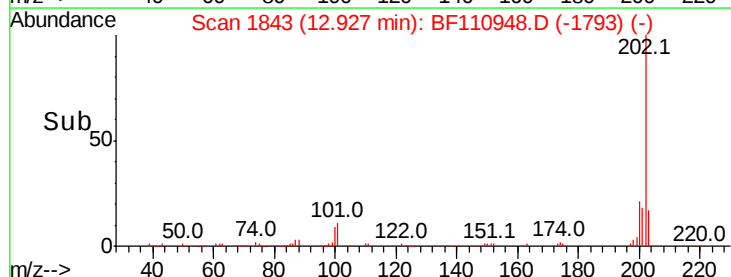
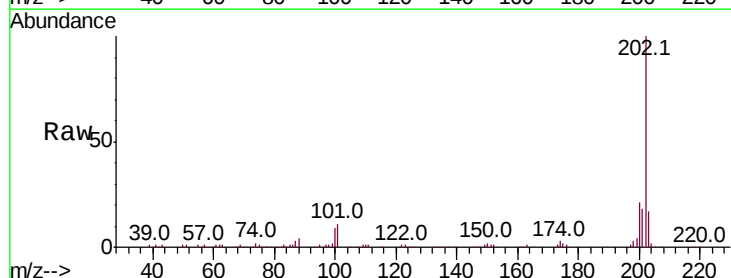
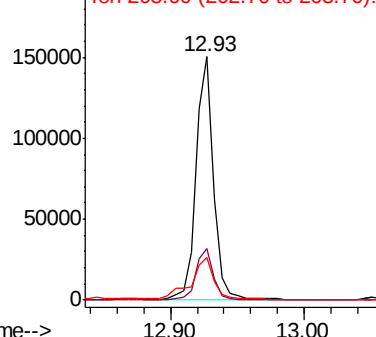
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.8	26.6
203	17.3	14.2	21.4

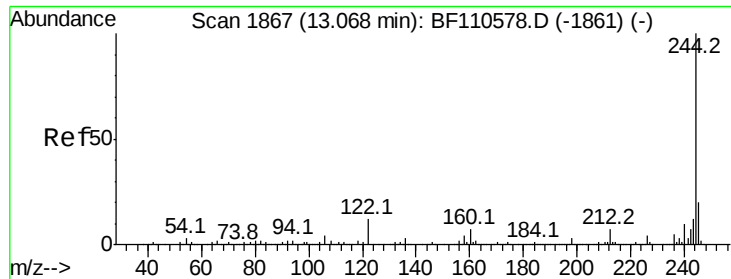
Abundance

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: 31.214 ng

RT: 13.05 min Scan# 1864

Delta R.T. -0.02 min

Lab File: BF110948.D

Acq: 23 Nov 2018 17:07

Instrument :

BNA_F

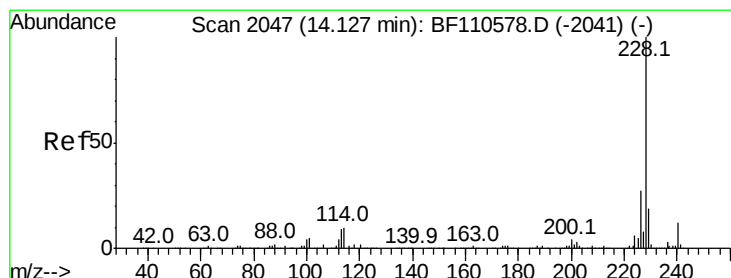
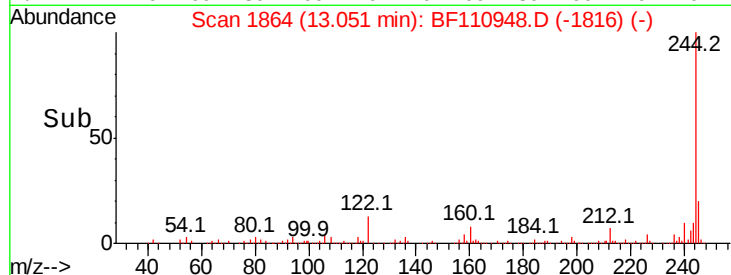
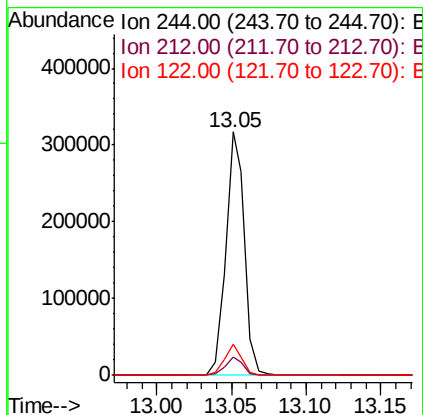
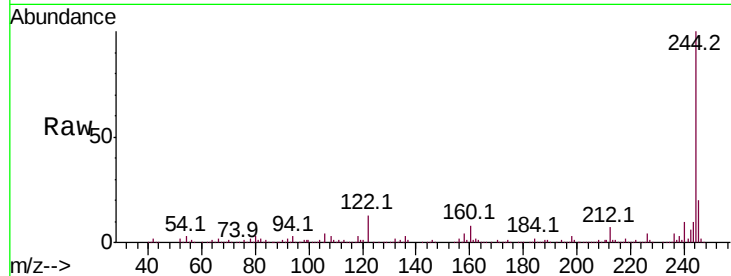
ClientSampleId :

SSSI-1115-S-AB-2

Tot Ion:	244	Resp:	279160
Ion Ratio	Lower	Upper	
244	100		
212	7.3	5.8	8.8
122	12.6	8.7	13.1

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#81

Benzo(a)anthracene

Concen: 8.384 ng

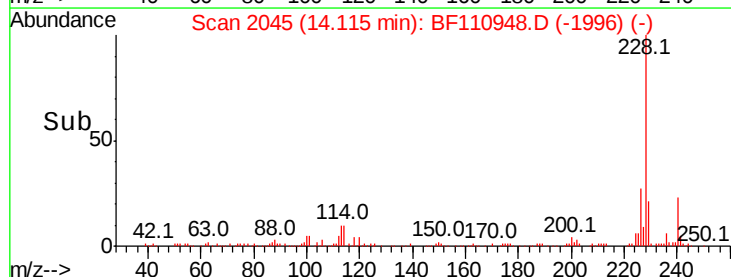
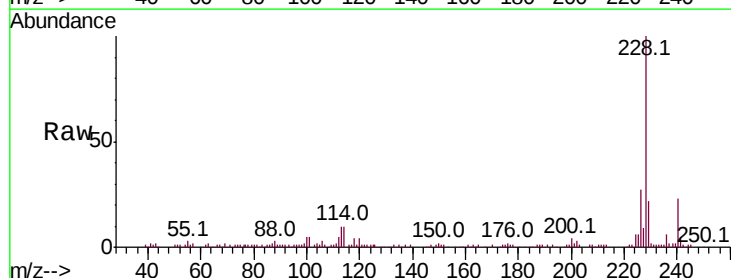
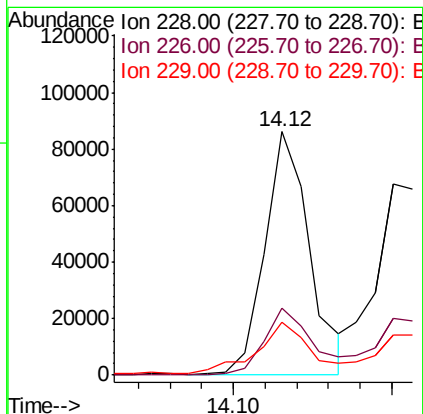
RT: 14.12 min Scan# 2045

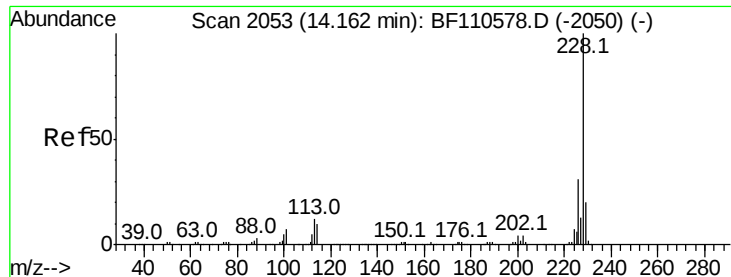
Delta R.T. -0.01 min

Lab File: BF110948.D

Acq: 23 Nov 2018 17:07

Tgt Ion:	228	Resp:	83936
Ion Ratio	Lower	Upper	
228	100		
226	27.4	22.1	33.1
229	21.6	15.6	23.4





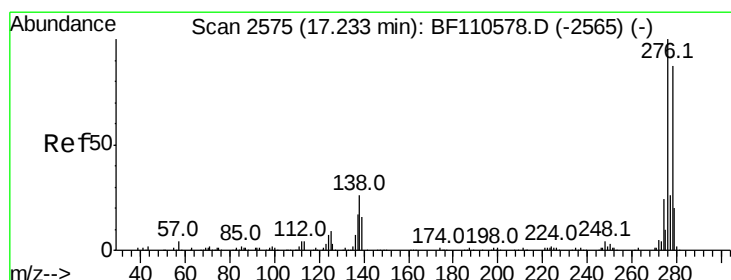
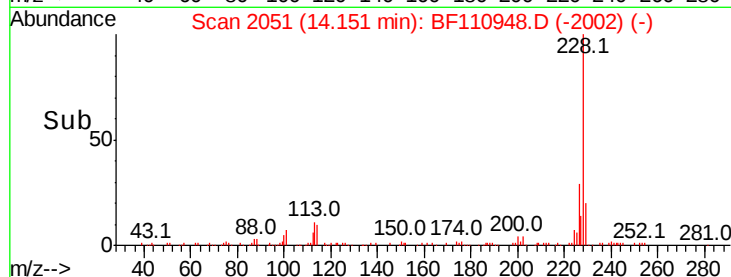
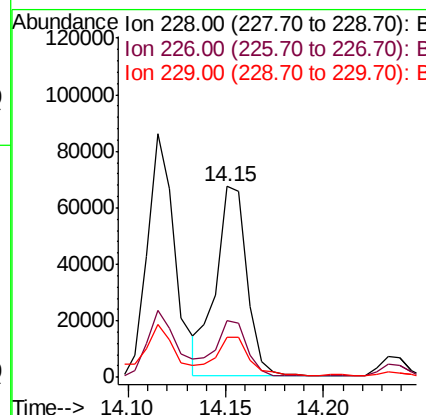
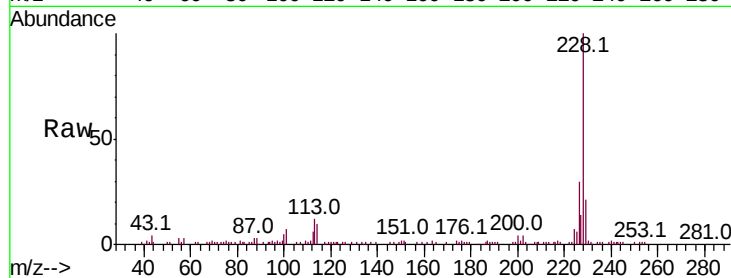
#83
Chrysene
Concen: 7.838 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF110948.D
Acq: 23 Nov 2018 17:07

Instrument :
BNA_F
ClientSampleId :
SSSI-1115-S-AB-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.7	37.1
229	20.8	15.9	23.9

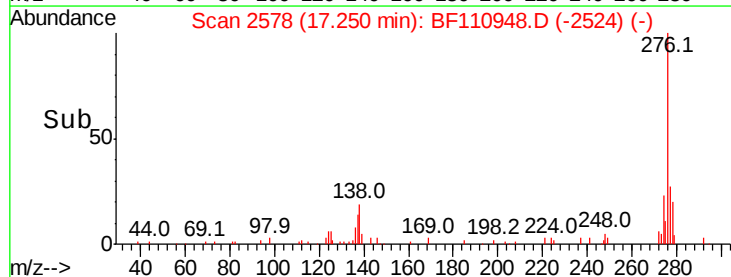
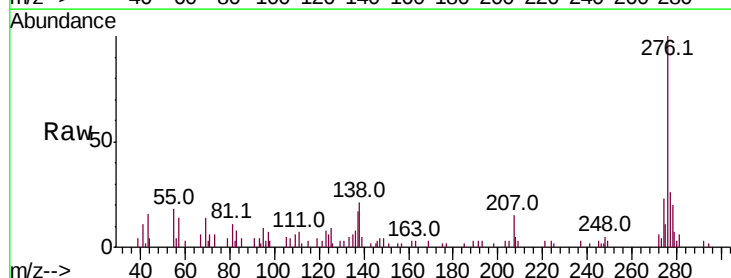
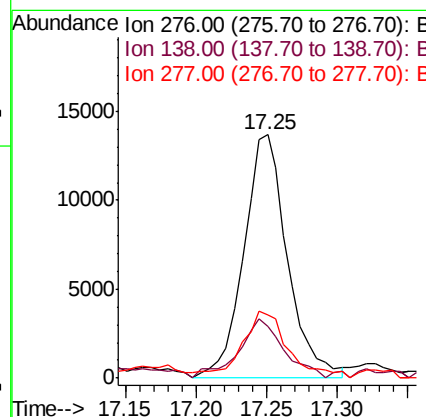
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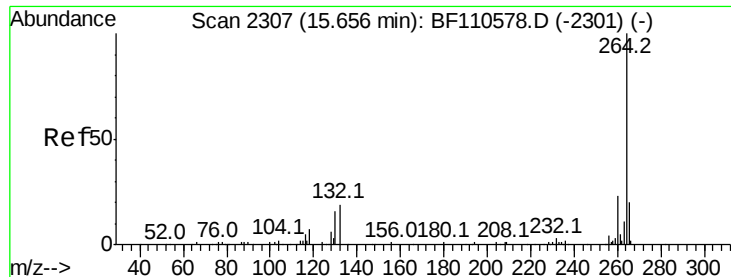
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#86
Indeno(1,2,3-cd)pyrene
Concen: 4.333 ng
RT: 17.25 min Scan# 2578
Delta R.T. 0.02 min
Lab File: BF110948.D
Acq: 23 Nov 2018 17:07

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.0	18.5	27.7
277	28.1	20.0	30.0





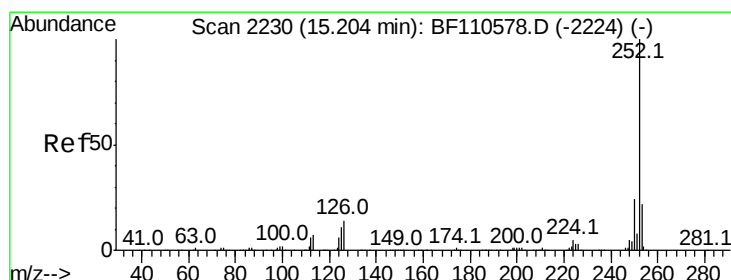
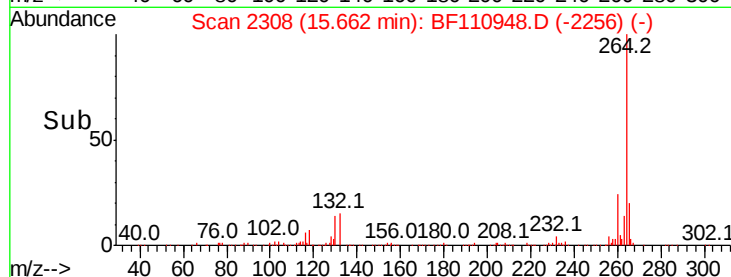
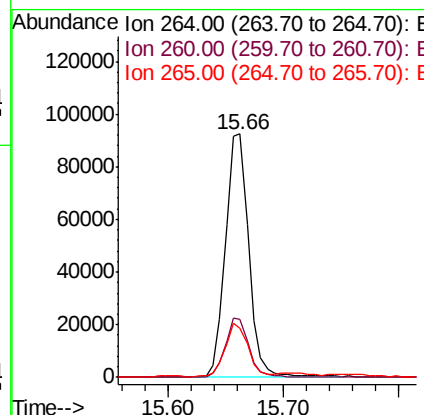
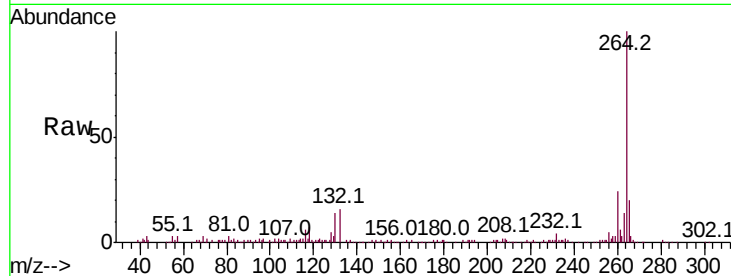
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2308
Delta R.T. 0.01 min
Lab File: BF110948.D
Acq: 23 Nov 2018 17:07

Instrument :
BNA_F
ClientSampleId :
SSSI-1115-S-AB-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.7	28.1
265	20.2	16.7	25.1

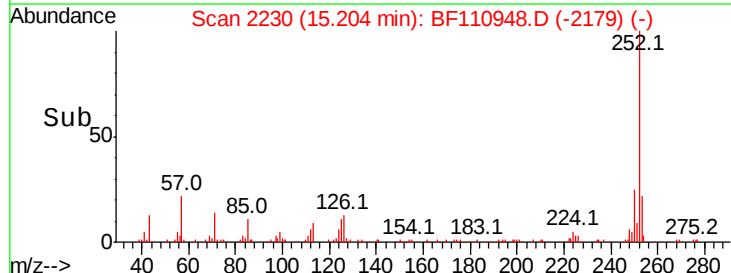
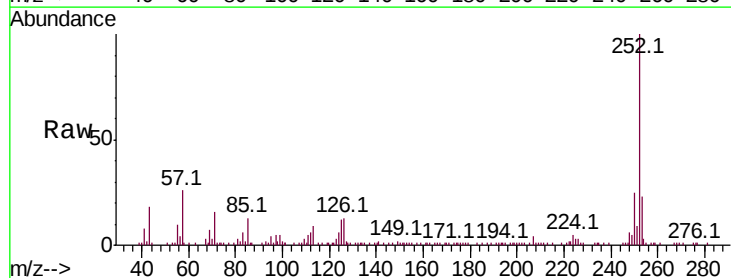
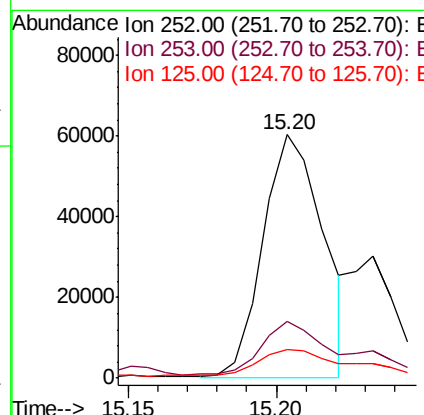
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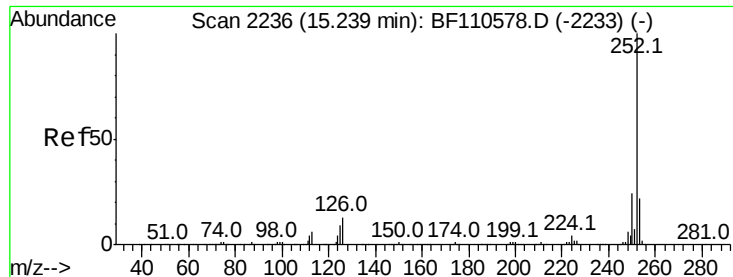
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#88
Benzo(b)fluoranthene
Concen: 11.122 ng m
RT: 15.20 min Scan# 2230
Delta R.T. -0.00 min
Lab File: BF110948.D
Acq: 23 Nov 2018 17:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.2	25.8
125	11.7	8.2	12.4





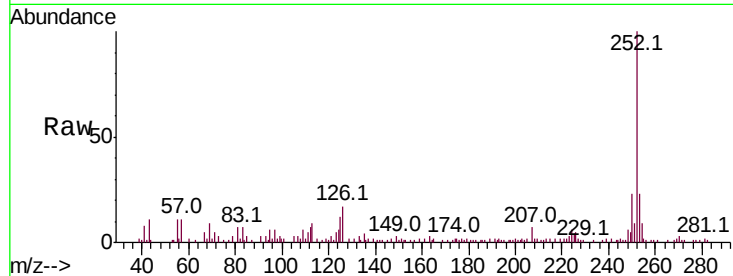
#89
Benzo(k)fluoranthene
Concen: 4.259 ng m
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF110948.D
Acq: 23 Nov 2018 17:07

Instrument :
BNA_F
ClientSampleId :
SSSI-1115-S-AB-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.2	25.8
125	11.7	7.4	11.0

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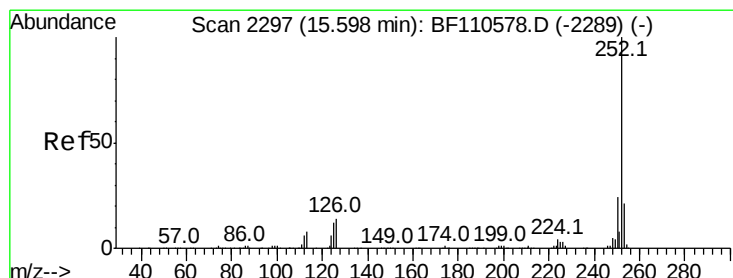
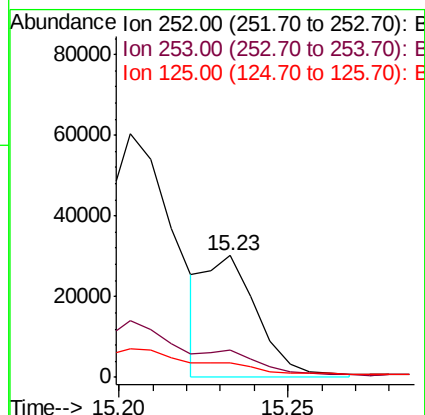
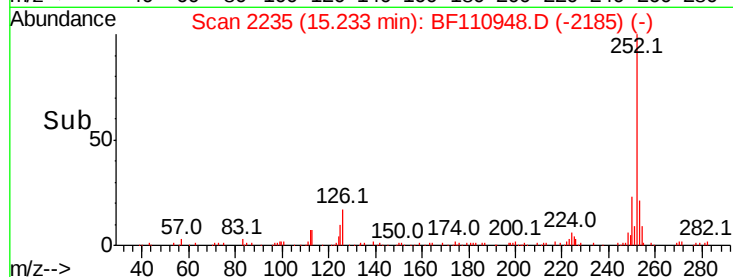


Abundance

Ion 252.00 (251.70 to 252.70): E

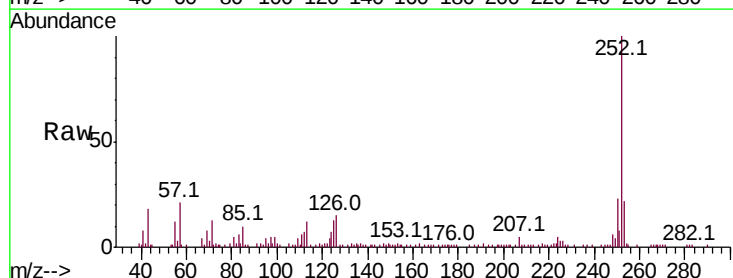
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 8.239 ng
RT: 15.59 min Scan# 2296
Delta R.T. -0.01 min
Lab File: BF110948.D
Acq: 23 Nov 2018 17:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.2	27.4
125	13.2	9.0	13.6

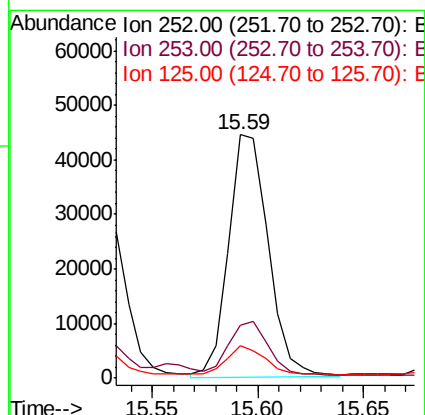
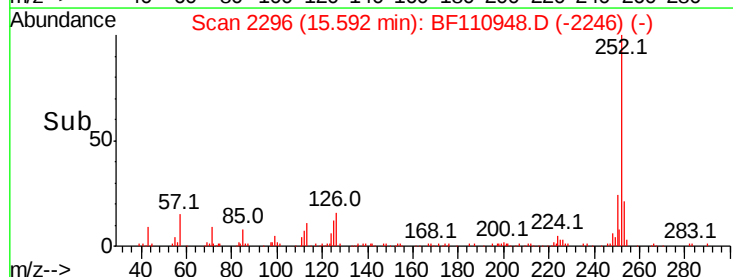


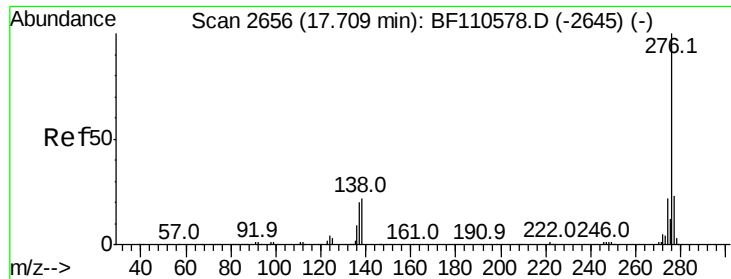
Abundance

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





#92
 Benzo(a,h,i)perylene
 Concen: 4.865 ng
 RT: 17.73 min Scan# 2660
 Delta R.T. 0.02 min
 Lab File: BF110948.D
 Acq: 23 Nov 2018 17:07

Instrument :
 BNA_F
 ClientSampleId :
 SSSI-1115-S-AB-2

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.8	28.2
138	24.5	16.0	24.0

Manual Integrations
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