

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112318\
 Data File : BF110949.D
 Acq On : 23 Nov 2018 17:35
 Operator : JU/SJ
 Sample : J5999-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSSI-1116-S-AB-4

Manual Integrations
 APPROVED

MOHAMMAD
 11/26/2018 3:12:10 PM

Quant Time: Nov 23 21:28:30 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	65623	20.00	ng	-0.01
21) Naphthalene-d8	8.22	136	252331	20.00	ng	0.00
39) Acenaphthene-d10	9.97	164	99025	20.00	ng	-0.02
64) Phenanthrene-d10	11.47	188	168159	20.00	ng	-0.01
76) Chrysene-d12	14.13	240	158340	20.00	ng	-0.01
87) Perylene-d12	15.66	264	106658	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	392487	97.15	ng	0.00
7) Phenol-d6	6.56	99	485743	94.02	ng	-0.01
23) Nitrobenzene-d5	7.50	82	307004	70.07	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	86055	86.24	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	404303	58.31	ng	-0.01
79) Terphenyl-d14	13.05	244	355705	42.07	ng	-0.02
Target Compounds						
10) Phenol	6.57	94	24852	4.149	ng	Qvalue # 75
50) Dimethylphthalate	9.69	163	29012	3.926	ng	100
71) Phenanthrene	11.50	178	32126	3.566	ng	98
75) Fluoranthene	12.69	202	84735	9.381	ng	98
78) Pyrene	12.93	202	73749	6.049	ng	97
81) Benzo(a)anthracene	14.12	228	44039	4.653	ng	97
83) Chrysene	14.16	228	40890	4.535	ng	97
86) Indeno(1,2,3-cd)pyrene	17.25	276	16729	2.586	ng	96
88) Benzo(b)fluoranthene	15.20	252	45551m	7.139	ng	
89) Benzo(k)fluoranthene	15.23	252	13371m	2.121	ng	
90) Benzo(a)pyrene	15.60	252	27912	4.815	ng	# 93
92) Benzo(a,h,i)perylene	17.74	276	16088	3.305	ng	# 91

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

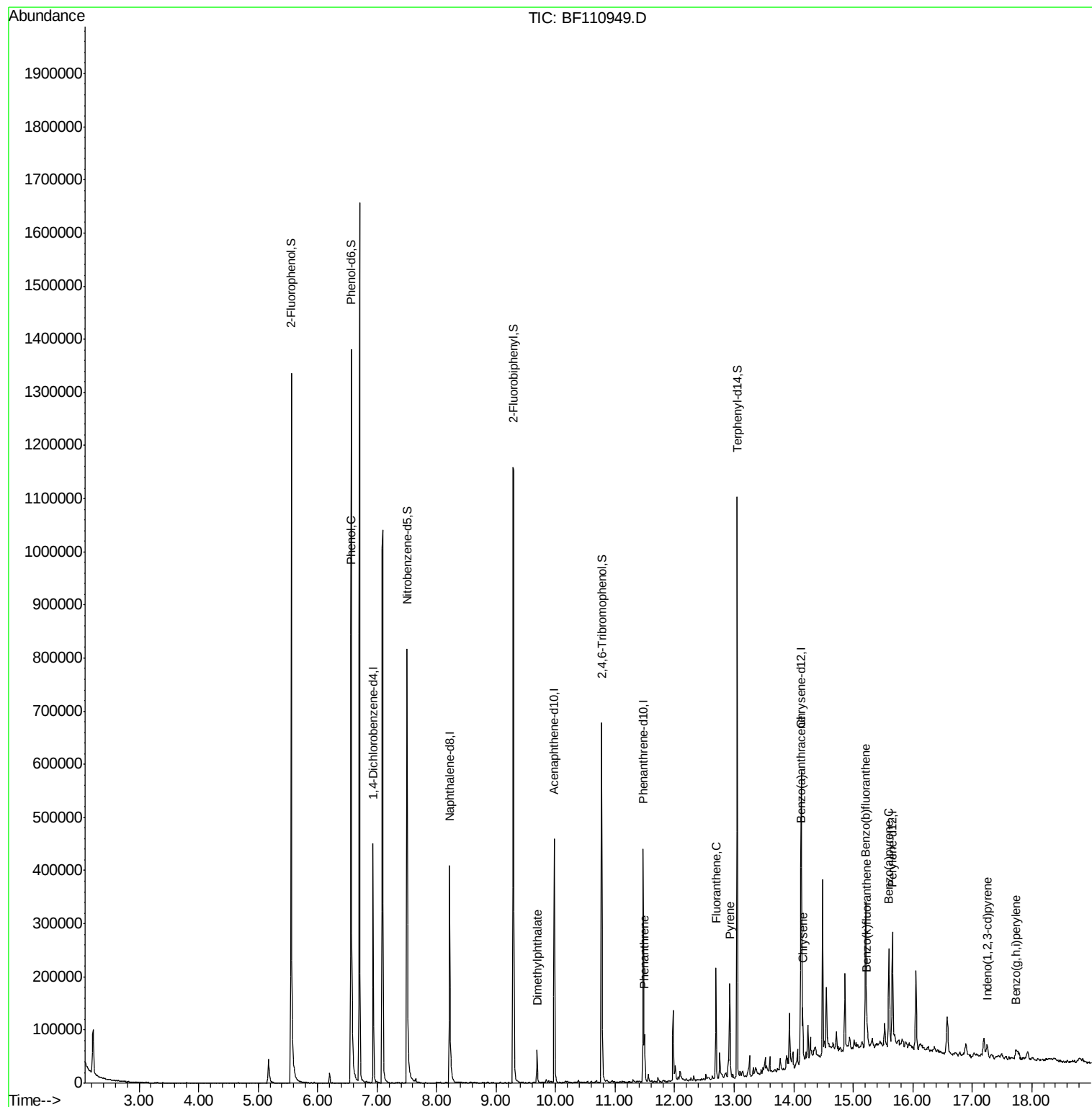
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112318\
Data File : BF110949.D
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Manual Integrations
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

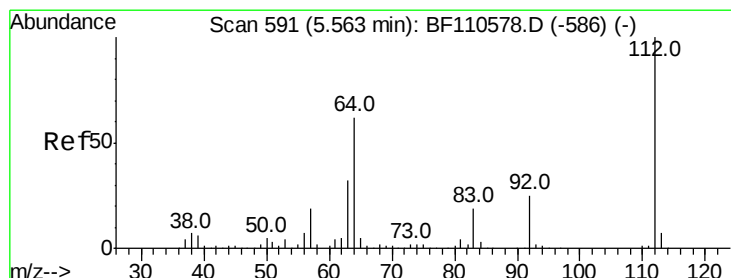
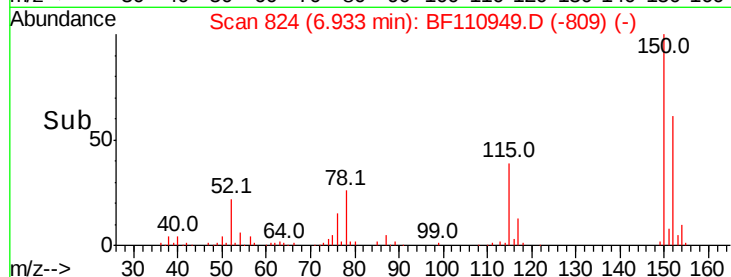
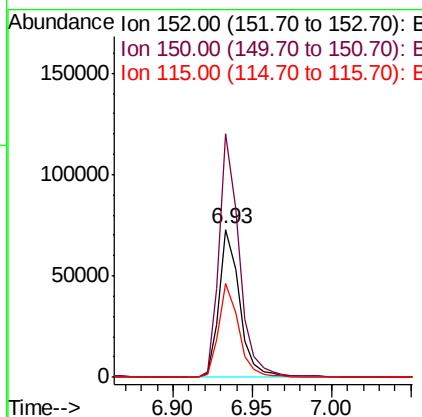
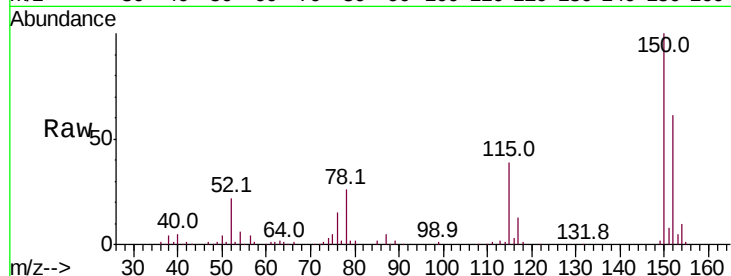
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 824
Delta R.T. -0.01 min
Lab File: BF110949.D
Acq: 23 Nov 2018 17:35

Instrument :
BNA_F
ClientSampleId :
SSSI-1116-S-AB-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	164.7	122.7	184.1
115	63.7	49.1	73.7

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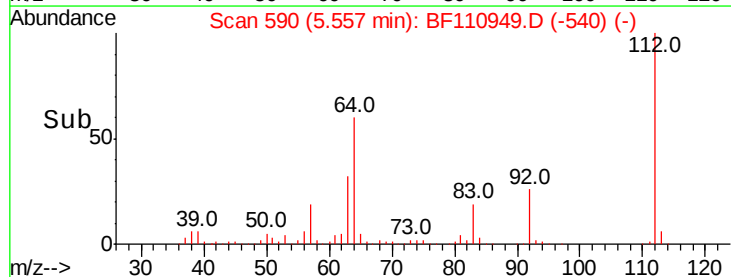
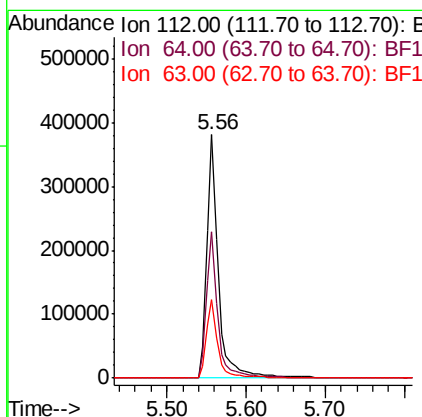
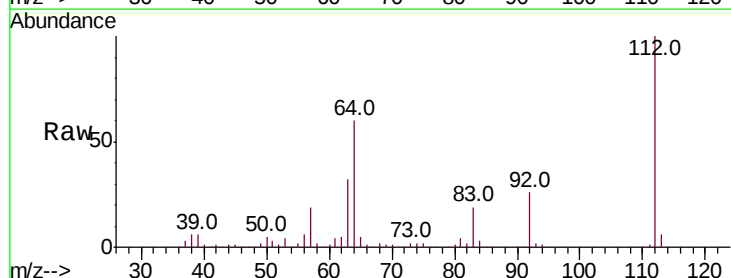
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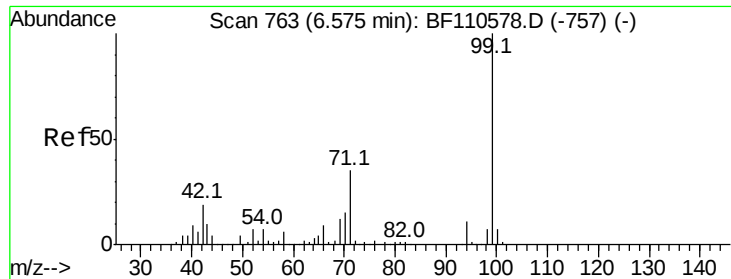


#5

2-Fluorophenol
Concen: 97.149 ng
RT: 5.56 min Scan# 590
Delta R.T. -0.01 min
Lab File: BF110949.D
Acq: 23 Nov 2018 17:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.1	44.1	66.1
63	32.0	23.7	35.5





#7

Phenol-d6

Concen: 94.023 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF110949.D

Acq: 23 Nov 2018 17:35

Instrument :

BNA_F

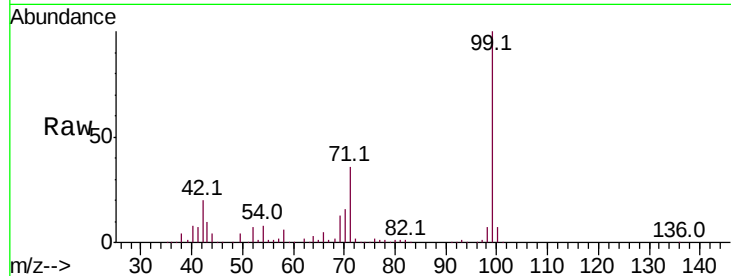
ClientSampleId :

SSSI-1116-S-AB-4

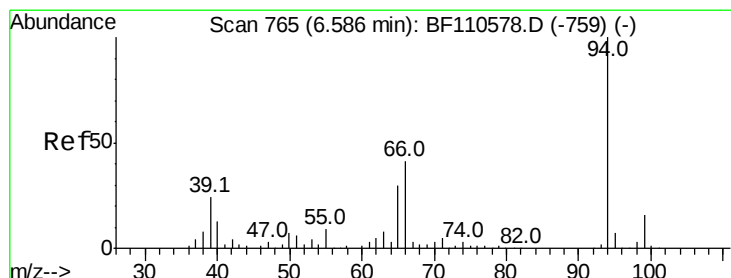
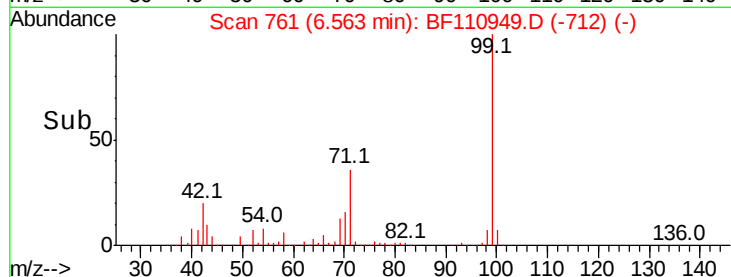
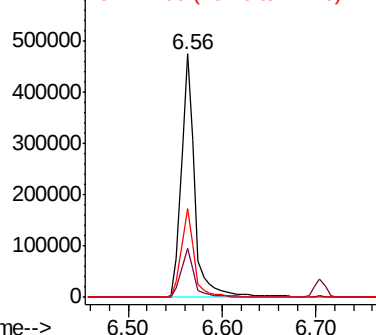
Tot Ion:	99	Resp:	485743
Ion	Ratio	Lower	Upper
99	100		
42	20.3	15.8	23.6
71	36.3	28.0	42.0

Manual Integrations
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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: 4.149 ng

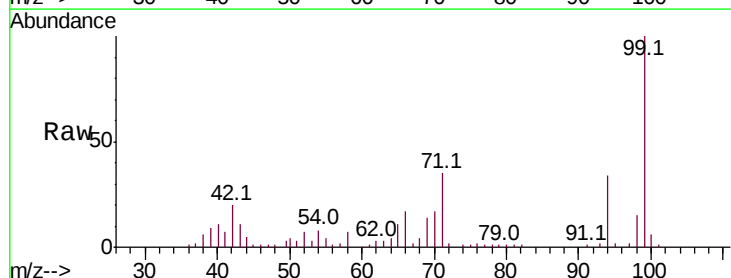
RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

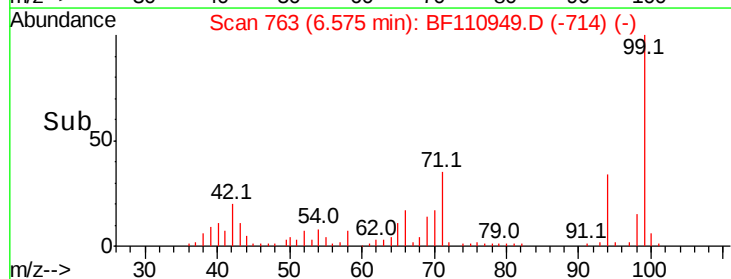
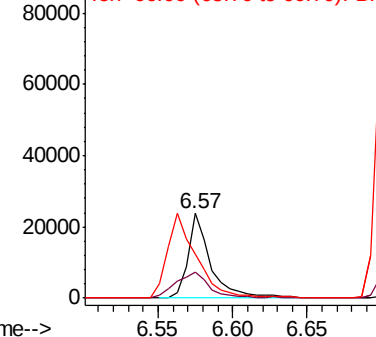
Lab File: BF110949.D

Acq: 23 Nov 2018 17:35

Tgt Ion:	94	Resp:	24852
Ion	Ratio	Lower	Upper
94	100		
65	31.4	25.3	65.3
66	51.6	54.5	94.5#



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





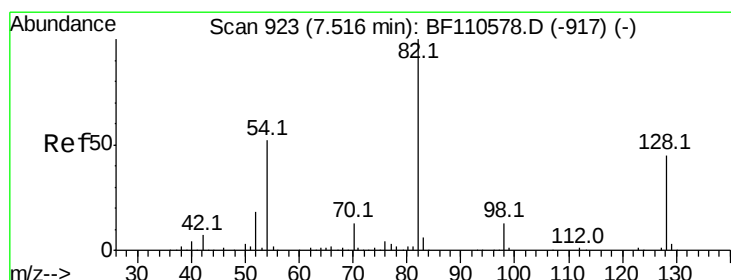
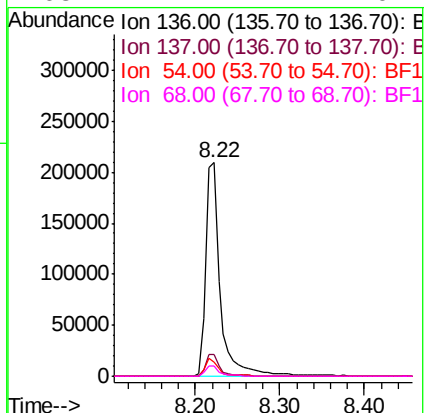
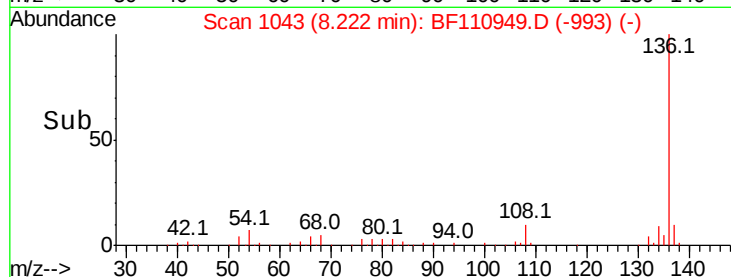
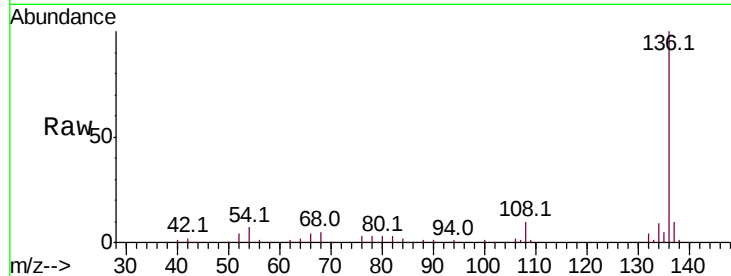
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF110949.D
Acq: 23 Nov 2018 17:35

Instrument :
BNA_F
ClientSampleId :
SSSI-1116-S-AB-4

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.5	8.8	13.2	
54	6.8	5.4	8.2	
68	4.7	4.2	6.2	

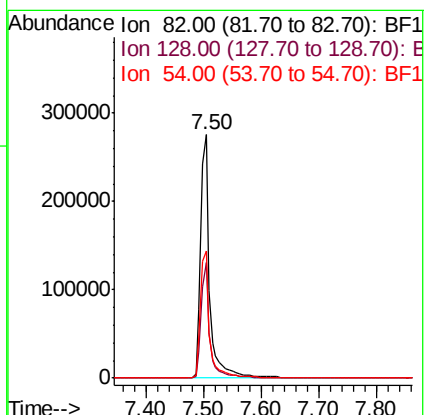
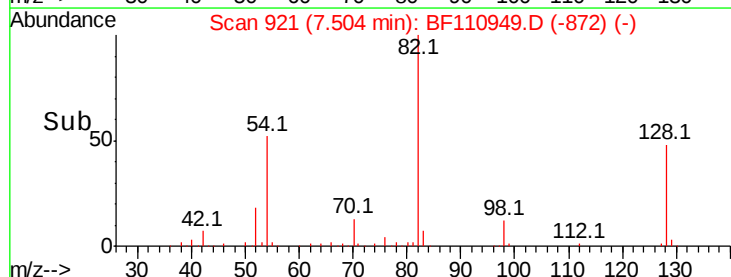
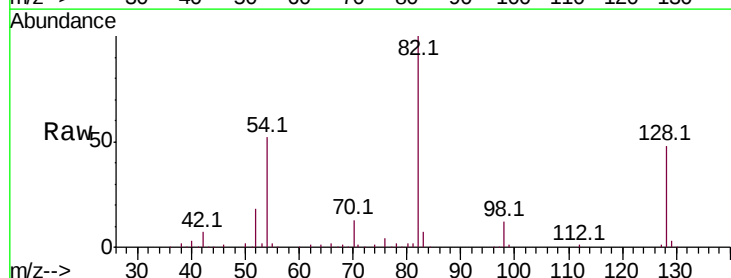
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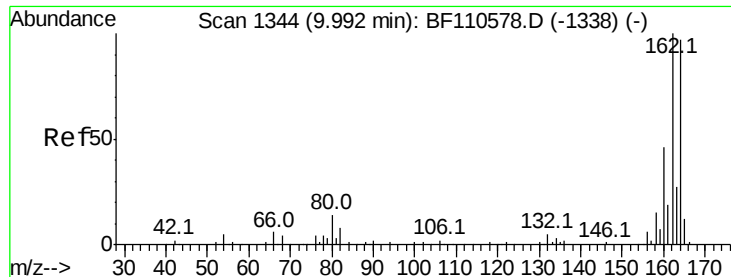
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#23
Nitrobenzene-d5
Concen: 70.068 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF110949.D
Acq: 23 Nov 2018 17:35

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.7	34.2	51.2	
54	52.0	38.6	58.0	





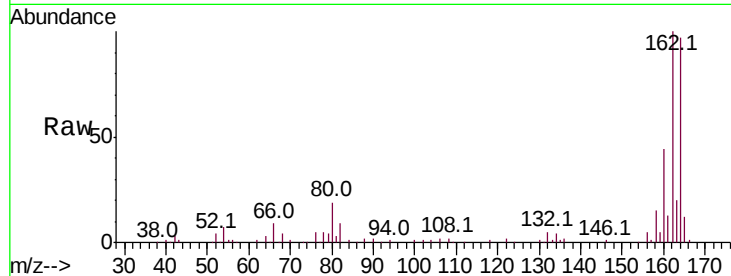
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BF110949.D
Acq: 23 Nov 2018 17:35

Instrument :
BNA_F
ClientSampleId :
SSSI-1116-S-AB-4

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.6	83.0	124.6
160	45.4	37.0	55.6

Manual Integrations
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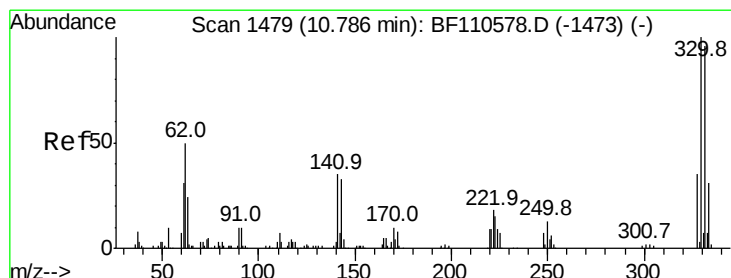
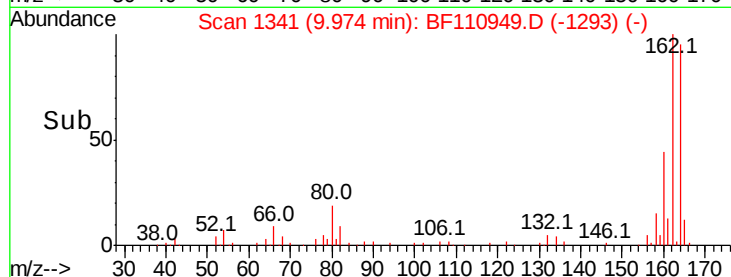
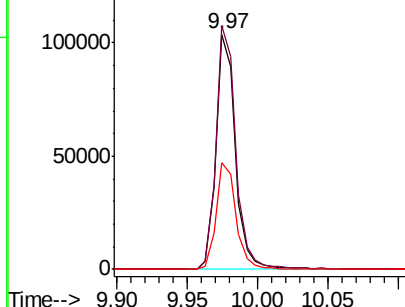


Abundance

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: 86.245 ng
RT: 10.77 min Scan# 1477
Delta R.T. -0.01 min
Lab File: BF110949.D
Acq: 23 Nov 2018 17:35

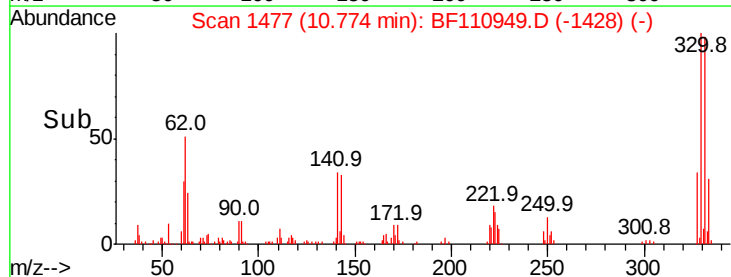
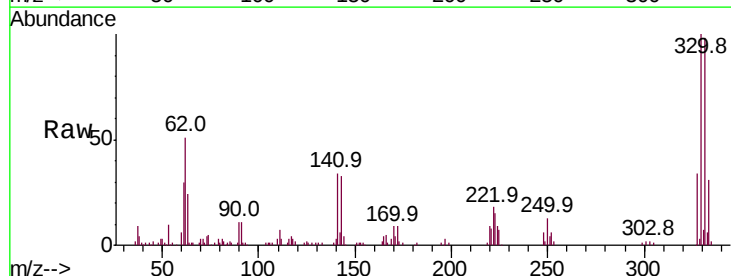
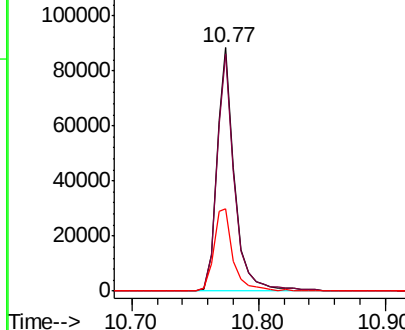
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.1	115.7
141	37.4	27.0	40.4

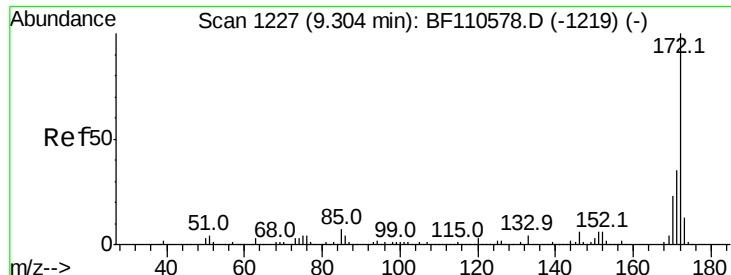
Abundance

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





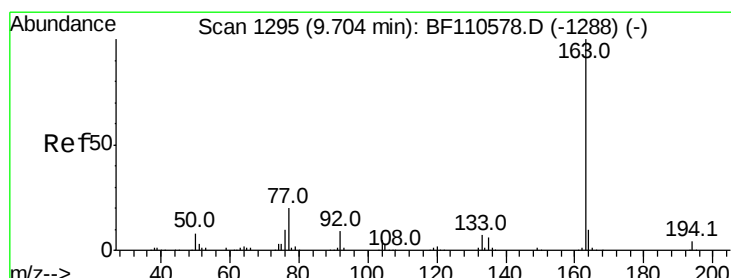
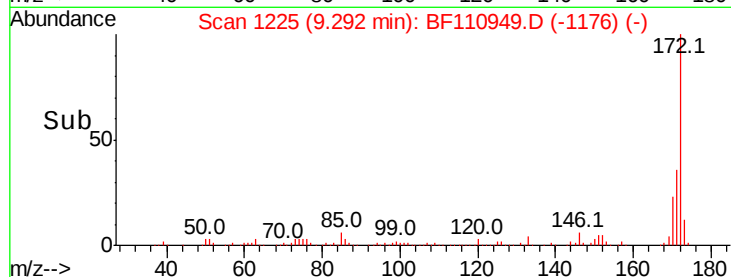
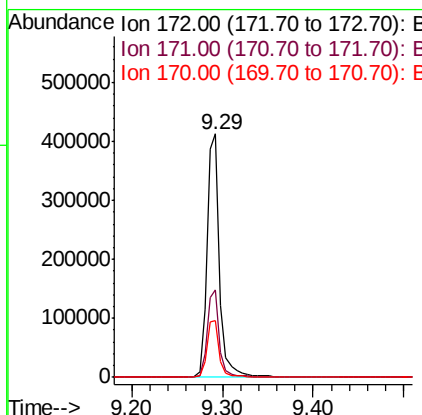
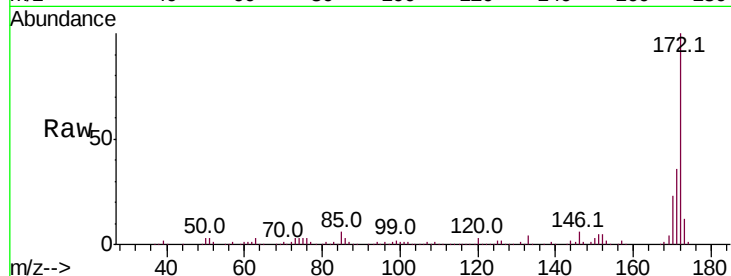
#45
2-Fluorobiphenyl
Concen: 58.310 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.01 min
Lab File: BF110949.D
Acq: 23 Nov 2018 17:35

Instrument :
BNA_F
ClientSampleId :
SSSI-1116-S-AB-4

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	43.0
170	23.1	19.7	29.5

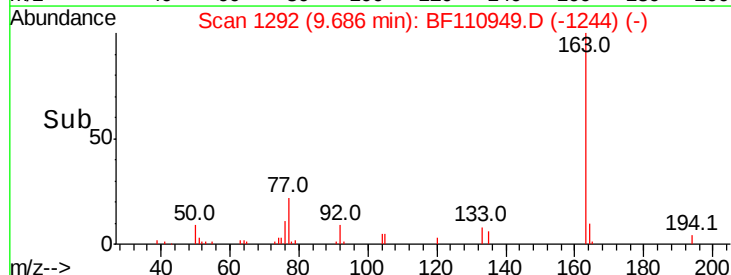
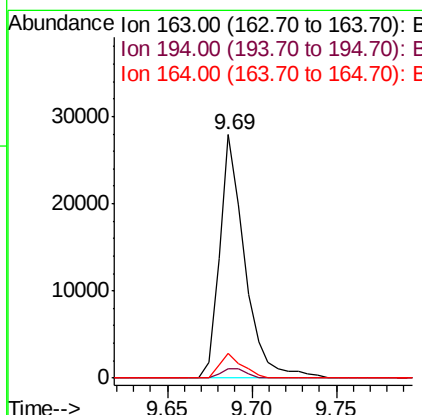
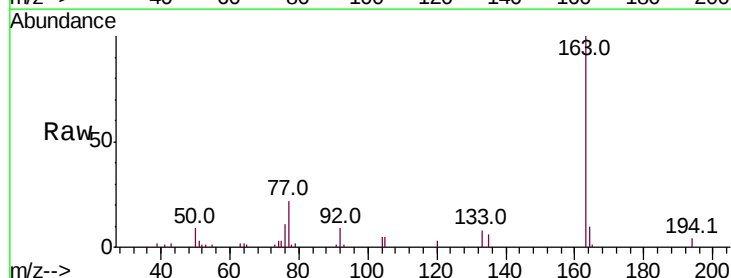
Manual Integrations
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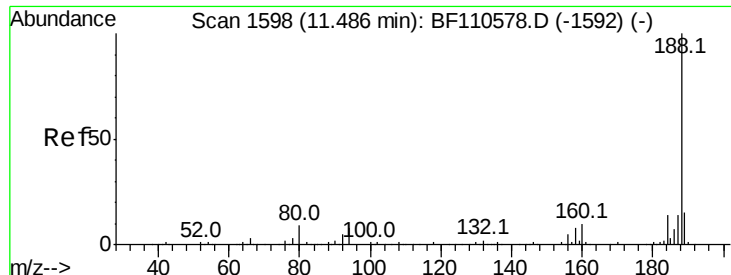
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#50
Dimethylphthalate
Concen: 3.926 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.02 min
Lab File: BF110949.D
Acq: 23 Nov 2018 17:35

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	10.1	8.1	12.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.47 min Scan# 1596

Delta R.T. -0.01 min

Lab File: BF110949.D

Acq: 23 Nov 2018 17:35

Instrument :

BNA_F

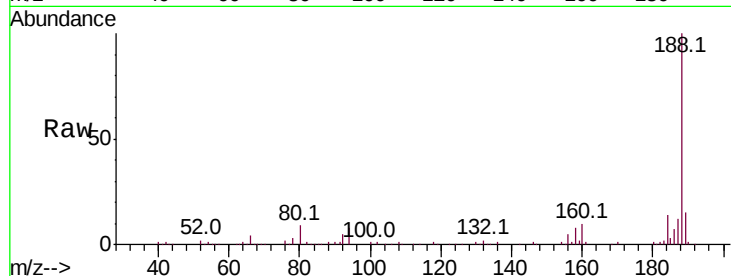
ClientSampleId :

SSSI-1116-S-AB-4

Tot Ion	188	Resp	168159
Ion Ratio	Lower	Upper	
188	100		
94	8.3	7.2	10.8
80	8.8	7.9	11.9

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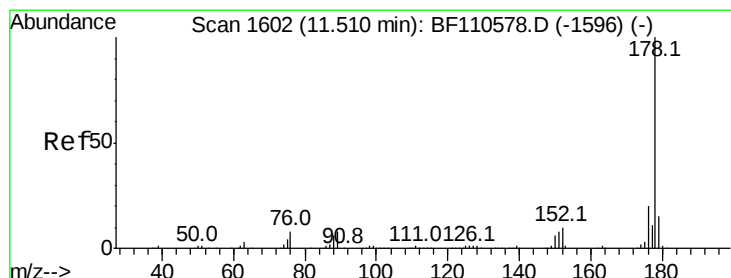
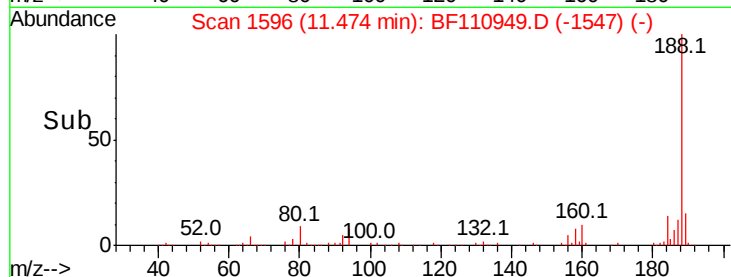
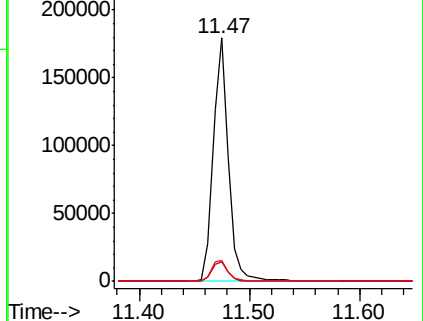
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 3.566 ng

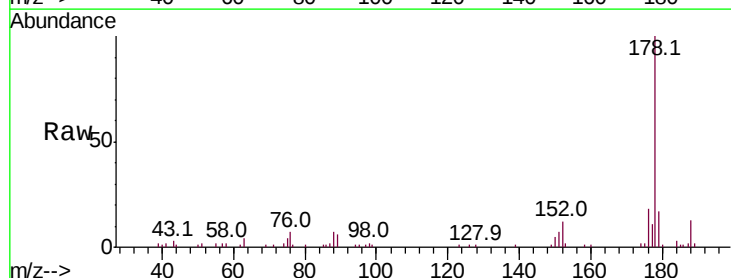
RT: 11.50 min Scan# 1600

Delta R.T. -0.01 min

Lab File: BF110949.D

Acq: 23 Nov 2018 17:35

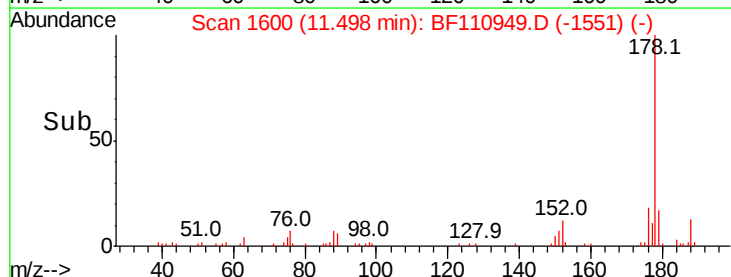
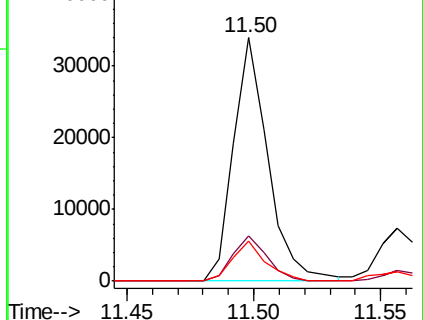
Tgt Ion	178	Resp	32126
Ion Ratio	Lower	Upper	
178	100		
176	18.4	15.5	23.3
179	16.6	12.5	18.7

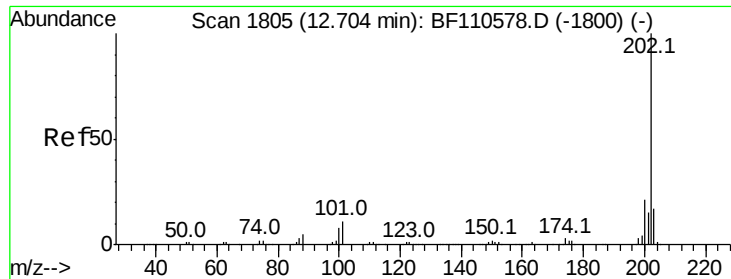


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 9.381 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF110949.D

Acq: 23 Nov 2018 17:35

Instrument :

BNA_F

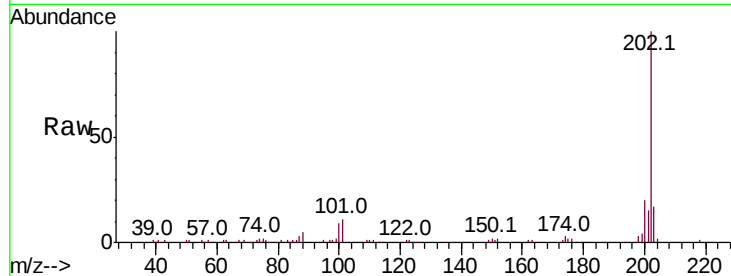
ClientSampleId :

SSSI-1116-S-AB-4

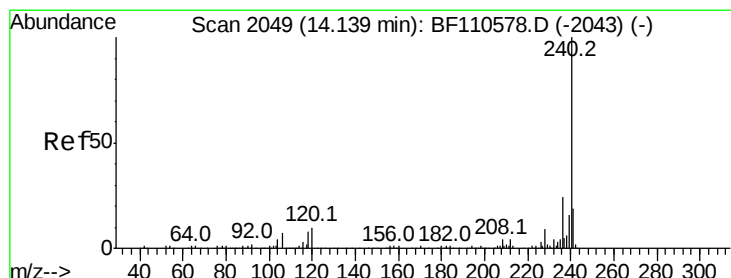
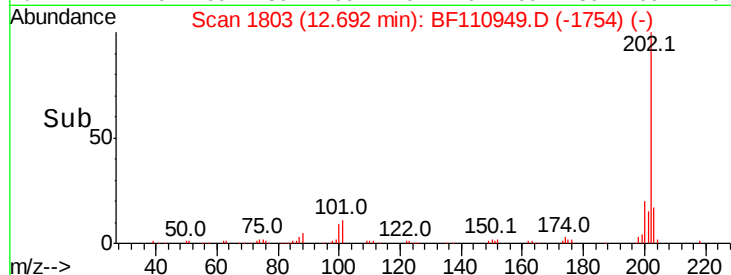
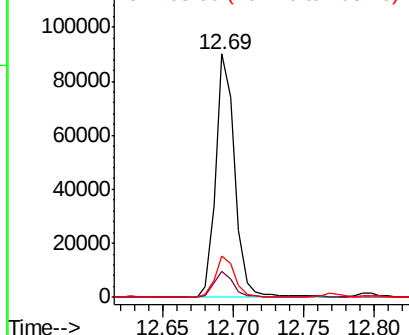
Tot Ion:	202	Resp:	84735
Ion Ratio	Lower	Upper	
202	100		
101	10.6	0.0	31.4
203	17.0	0.0	37.7

Manual Integrations
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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

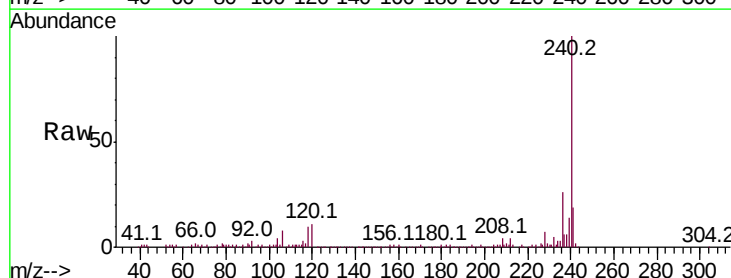
RT: 14.13 min Scan# 2047

Delta R.T. -0.01 min

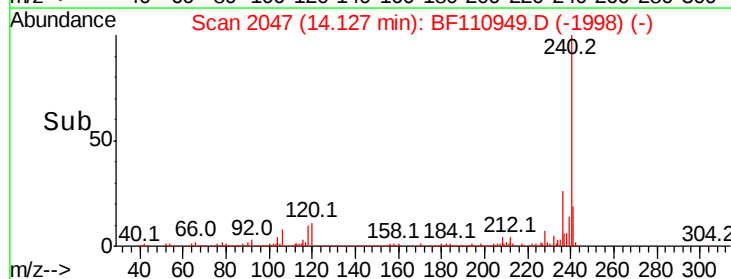
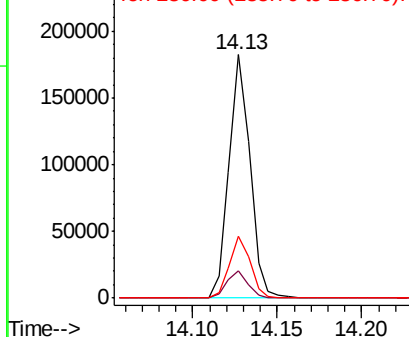
Lab File: BF110949.D

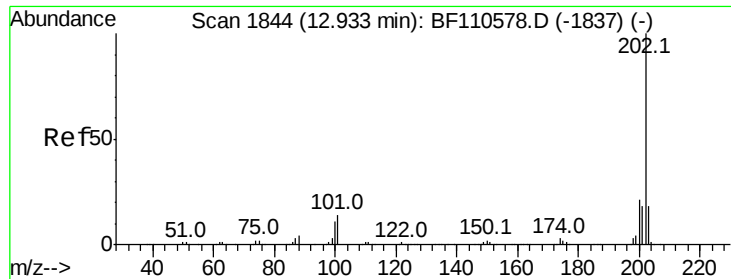
Acq: 23 Nov 2018 17:35

Tgt Ion:	240	Resp:	158340
Ion Ratio	Lower	Upper	
240	100		
120	11.4	8.3	12.5
236	25.6	21.2	31.8



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





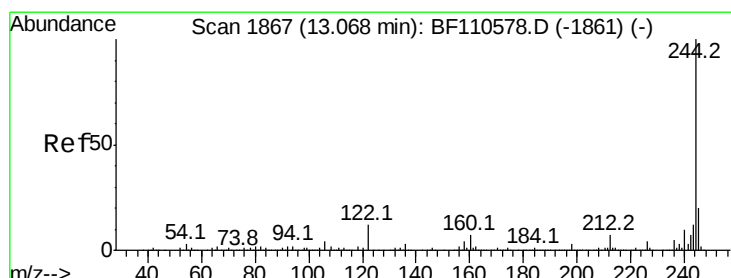
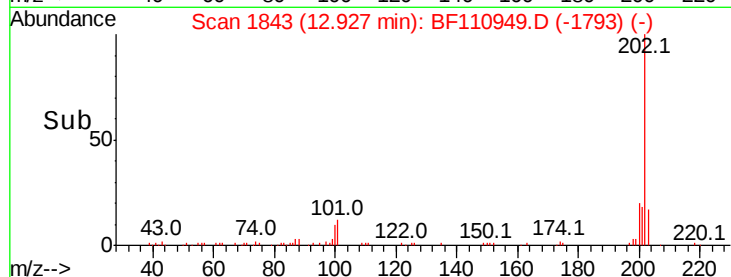
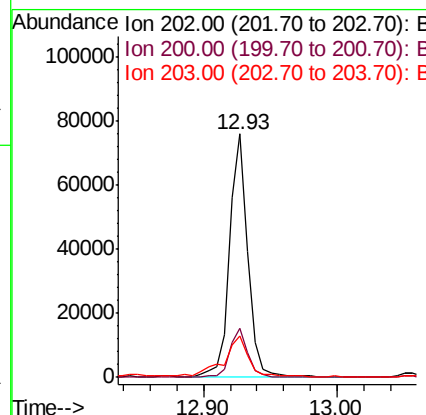
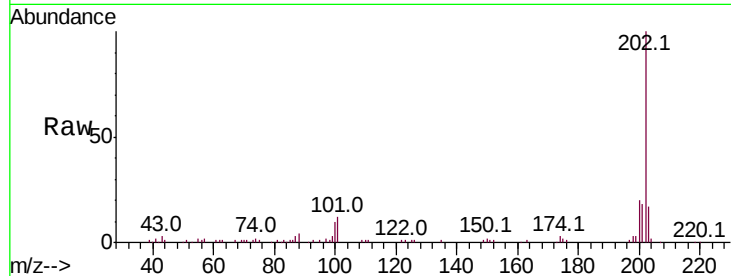
#78
Pvrene
Concen: 6.049 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BF110949.D
Acq: 23 Nov 2018 17:35

Instrument :
BNA_F
ClientSampleId :
SSSI-1116-S-AB-4

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.8	26.6
203	17.1	14.2	21.4

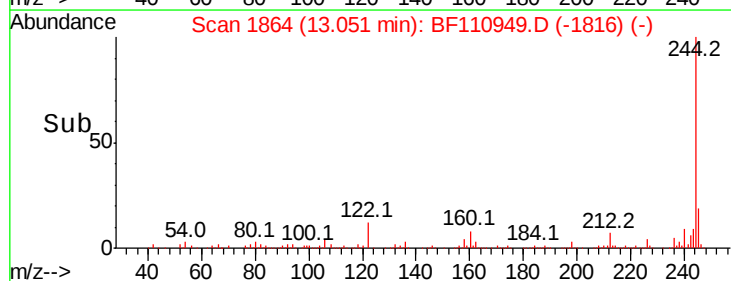
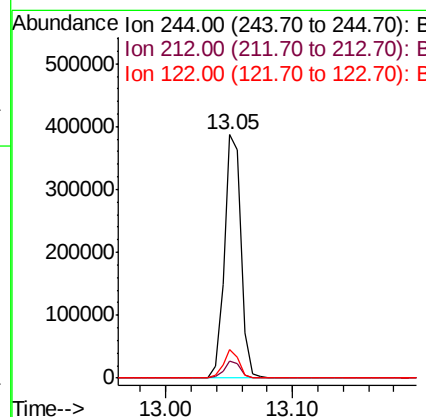
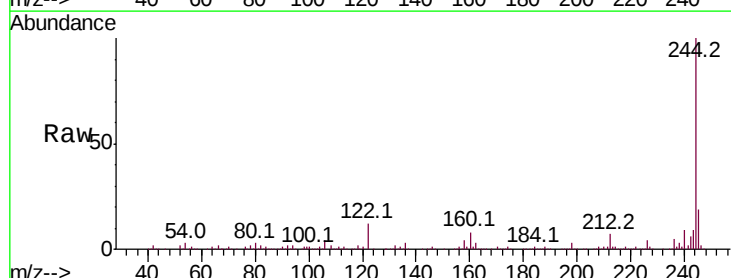
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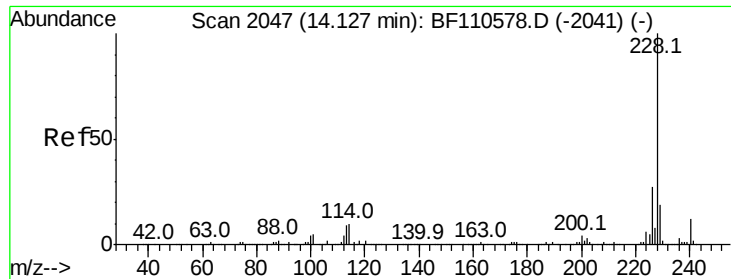
MOHAMMAD
11/26/2018 3:12:10 PM



#79
Terphenyl-d14
Concen: 42.071 ng
RT: 13.05 min Scan# 1864
Delta R.T. -0.02 min
Lab File: BF110949.D
Acq: 23 Nov 2018 17:35

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.8
122	11.8	8.7	13.1





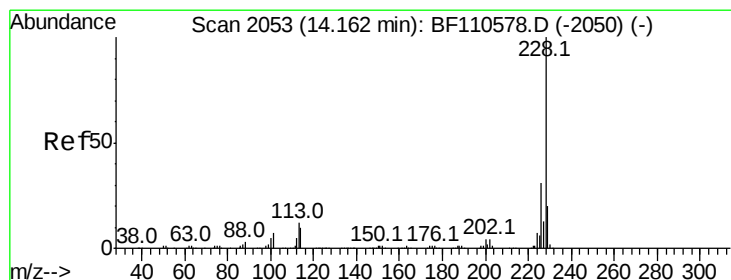
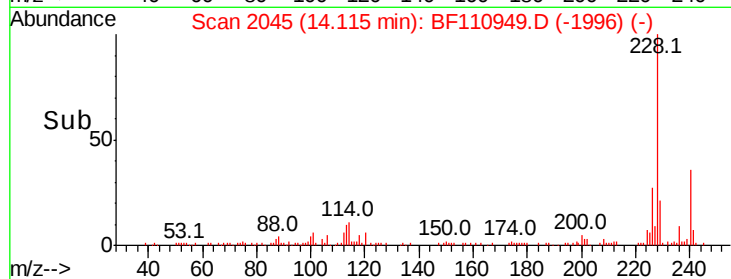
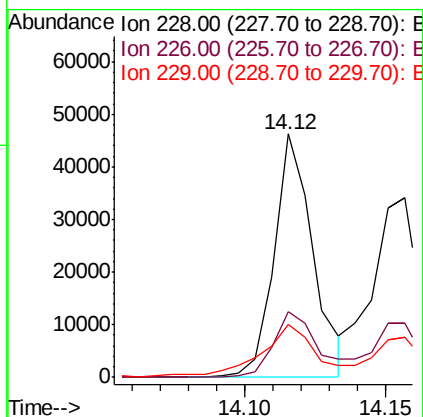
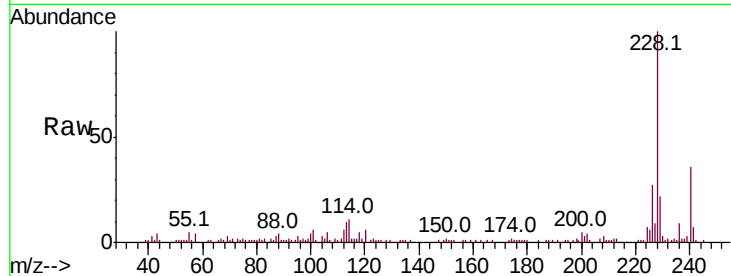
#81
Benzo(a)anthracene
Concen: 4.653 ng
RT: 14.12 min Scan# 2045
Delta R.T. -0.01 min
Lab File: BF110949.D
Acq: 23 Nov 2018 17:35

Instrument :
BNA_F
ClientSampleId :
SSSI-1116-S-AB-4

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.1	33.1
229	21.6	15.6	23.4

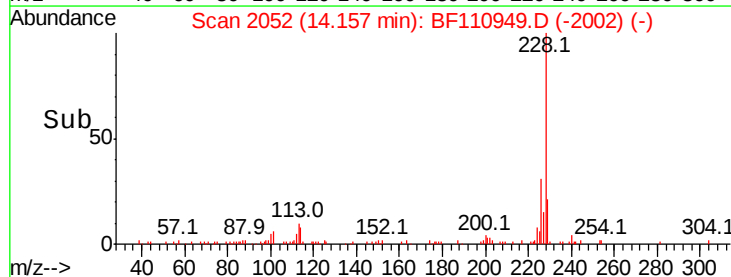
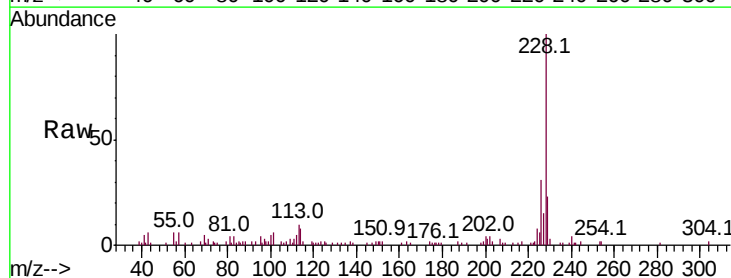
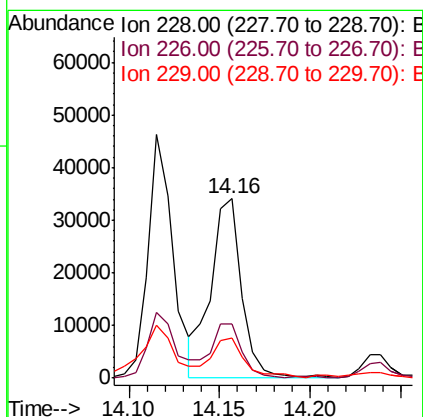
Manual Integrations
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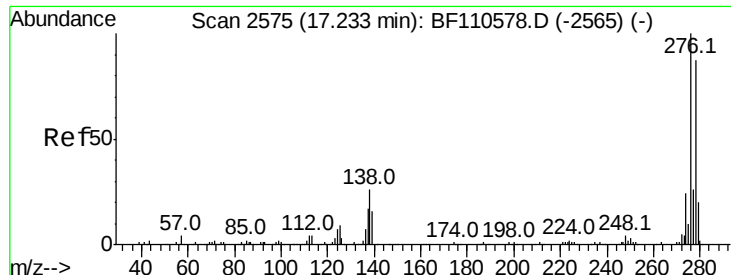
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#83
Chrysene
Concen: 4.535 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BF110949.D
Acq: 23 Nov 2018 17:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.7	37.1
229	22.5	15.9	23.9





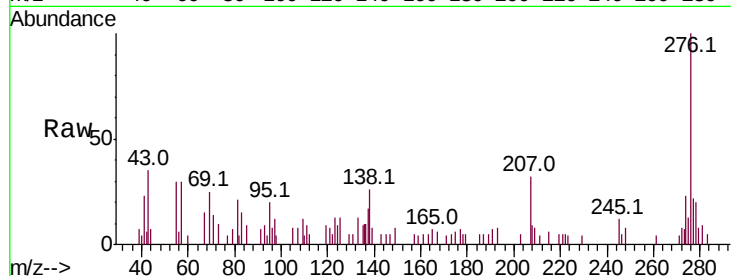
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.586 ng
RT: 17.25 min Scan# 2578
Delta R.T. 0.02 min
Lab File: BF110949.D
Acq: 23 Nov 2018 17:35

Instrument :
BNA_F
ClientSampleId :
SSSI-1116-S-AB-4

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.4	18.5	27.7
277	27.3	20.0	30.0

Manual Integrations
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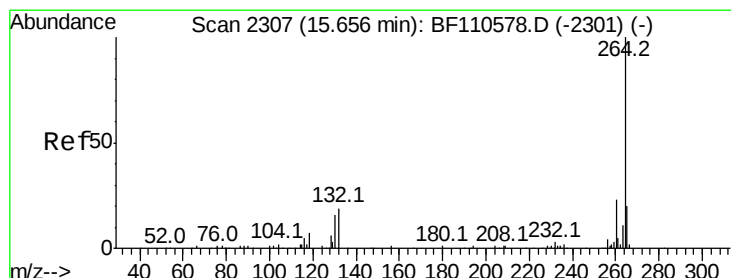
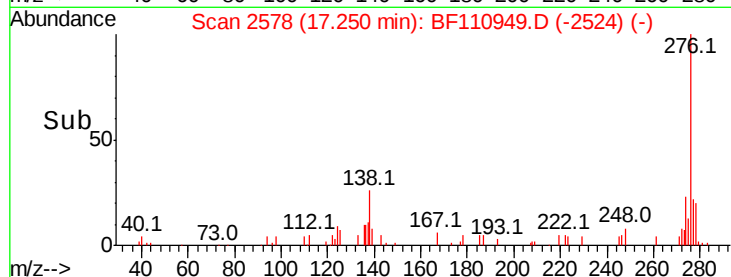
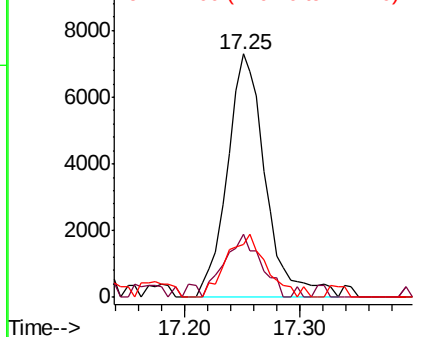


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2308
Delta R.T. 0.01 min
Lab File: BF110949.D
Acq: 23 Nov 2018 17:35

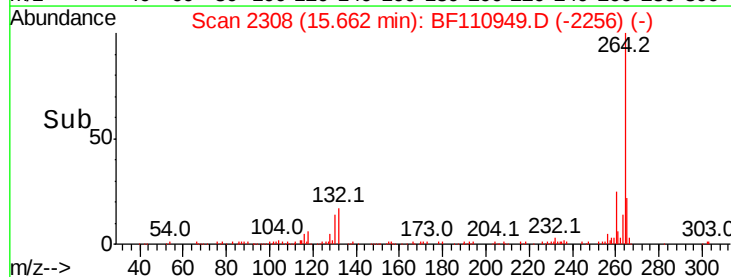
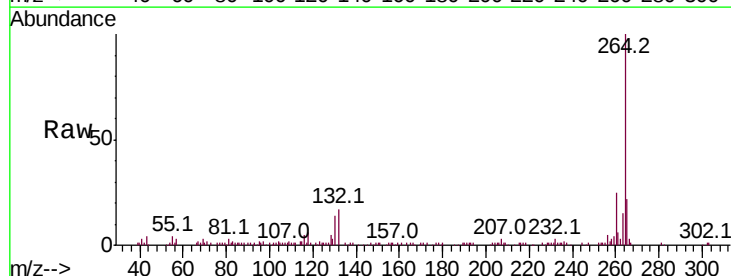
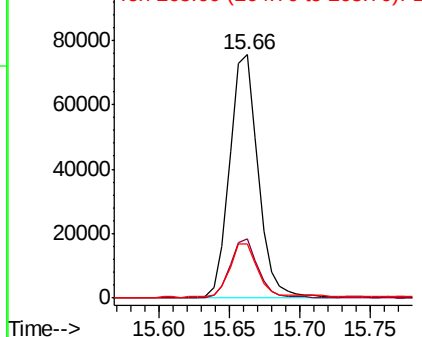
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.7	28.1
265	22.0	16.7	25.1

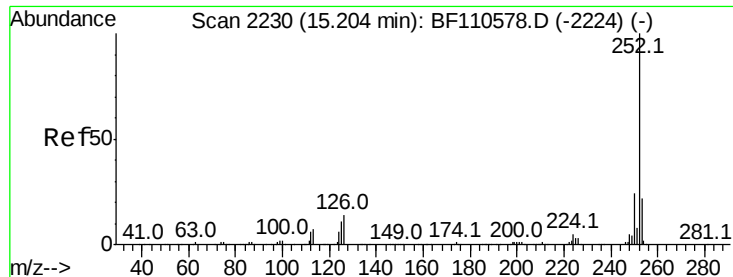
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





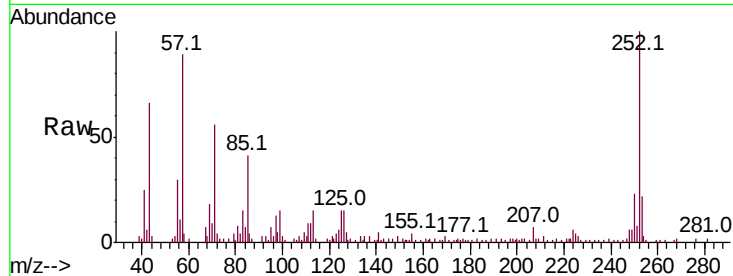
#88
Benzo(b)fluoranthene
Concen: 7.139 ng m
RT: 15.20 min Scan# 2230
Delta R.T. -0.00 min
Lab File: BF110949.D
Acq: 23 Nov 2018 17:35

Instrument :
BNA_F
ClientSampleId :
SSSI-1116-S-AB-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.2	25.8
125	15.0	8.2	12.4

Manual Integrations
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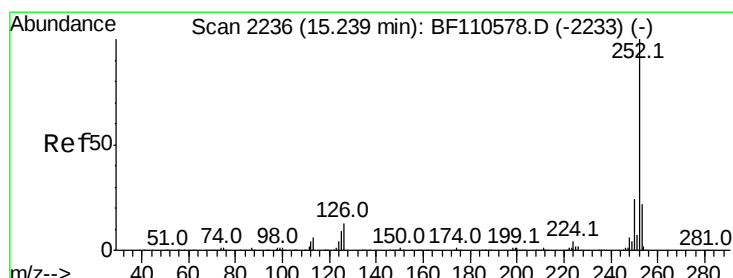
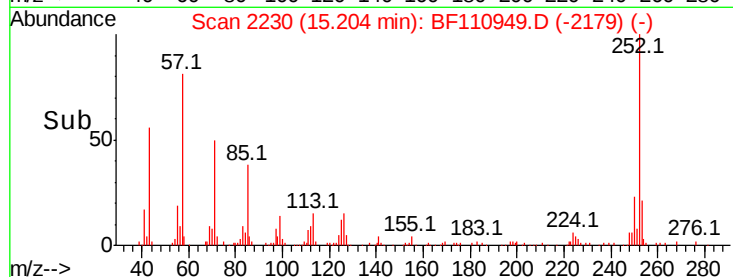
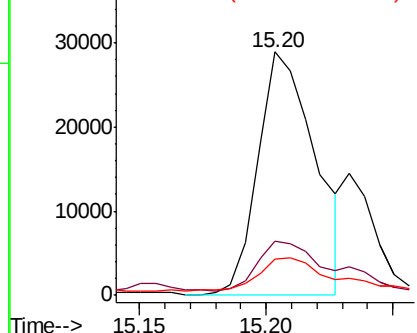


Abundance

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



#89
Benzo(k)fluoranthene
Concen: 2.121 ng m
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF110949.D
Acq: 23 Nov 2018 17:35

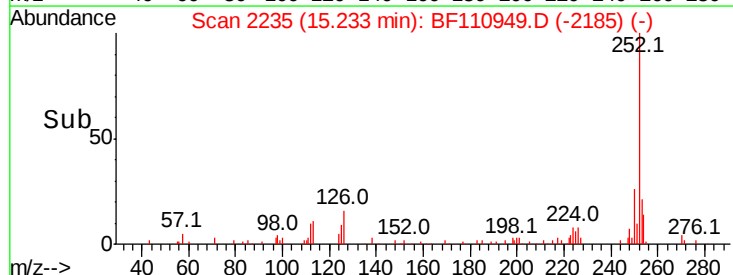
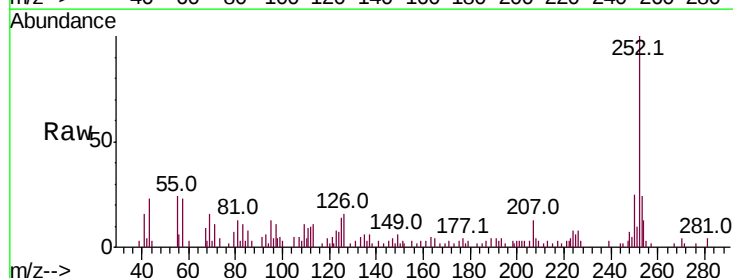
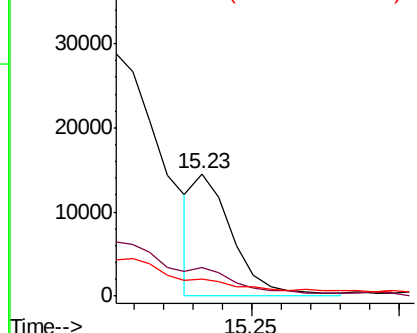
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.2	25.8
125	13.5	7.4	11.0

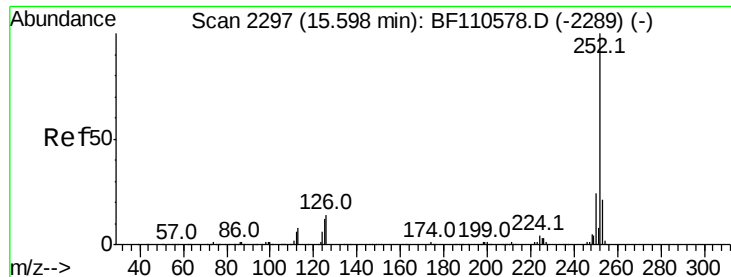
Abundance

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





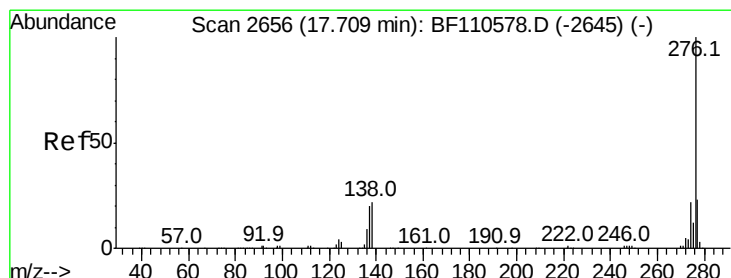
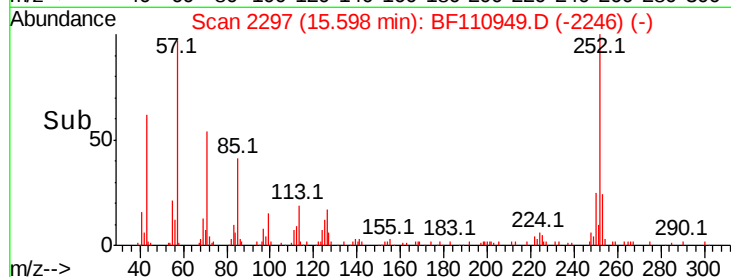
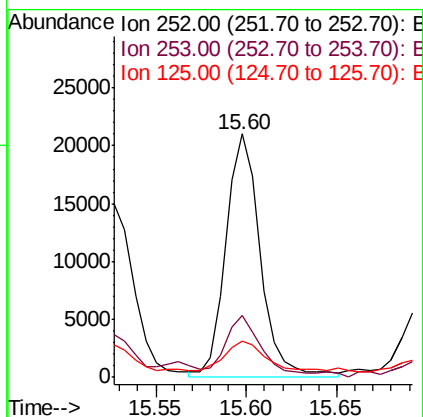
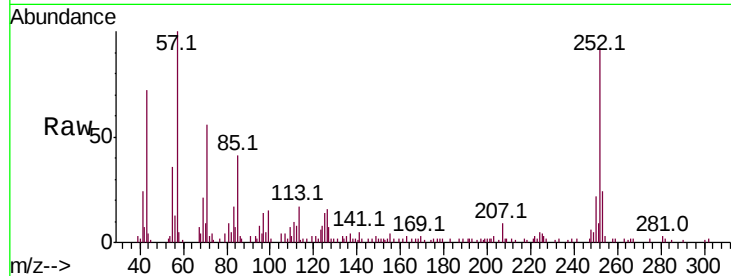
#90
Benzo(a)pyrene
Concen: 4.815 ng
RT: 15.60 min Scan# 2297
Delta R.T. -0.00 min
Lab File: BF110949.D
Acq: 23 Nov 2018 17:35

Instrument :
BNA_F
ClientSampleId :
SSSI-1116-S-AB-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.6	18.2	27.4
125	14.8	9.0	13.6

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#92
Benzo(g,h,i)perylene
Concen: 3.305 ng
RT: 17.74 min Scan# 2661
Delta R.T. 0.03 min
Lab File: BF110949.D
Acq: 23 Nov 2018 17:35

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.2	18.8	28.2
138	26.4	16.0	24.0

