

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
 Data File : BF110850.D
 Acq On : 19 Nov 2018 13:58
 Operator : JU/SJ
 Sample : J5977-13
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-01

Manual Integrations
 APPROVED

Sohil
 11/20/2018 11:07:27 AM

Quant Time: Nov 19 15:52:32 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	6.94	152	55918	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	234162	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	110260	20.00	ng	-0.01
64) Phenanthrene-d10	11.47	188	195917	20.00	ng	-0.01
76) Chrysene-d12	14.13	240	122625	20.00	ng	-0.01
87) Perylene-d12	15.66	264	123254	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	359051	104.30	ng	0.00
7) Phenol-d6	6.57	99	457179	103.85	ng	0.00
23) Nitrobenzene-d5	7.50	82	290702	71.49	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	112440	101.21	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	560081	72.55	ng	-0.01
79) Terphenyl-d14	13.06	244	440413	67.26	ng	-0.01
Target Compounds						
10) Phenol	6.58	94	25688	5.032	ng	Qvalue # 73
50) Dimethylphthalate	9.69	163	95465	11.603	ng	98
71) Phenanthrene	11.50	178	71502	6.812	ng	99
75) Fluoranthene	12.69	202	103541	9.839	ng	98
78) Pyrene	12.93	202	93142	9.865	ng	96
81) Benzo(a)anthracene	14.12	228	48203	6.577	ng	96
83) Chrysene	14.16	228	43179	6.184	ng	96
86) Indeno(1,2,3-cd)pyrene	17.23	276	28113	5.611	ng	99
88) Benzo(b)fluoranthene	15.20	252	60695m	8.232	ng	
89) Benzo(k)fluoranthene	15.23	252	18870m	2.590	ng	
90) Benzo(a)pyrene	15.59	252	44858	6.696	ng	96
92) Benzo(a,h,i)perylene	17.72	276	25841	4.594	ng	96

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

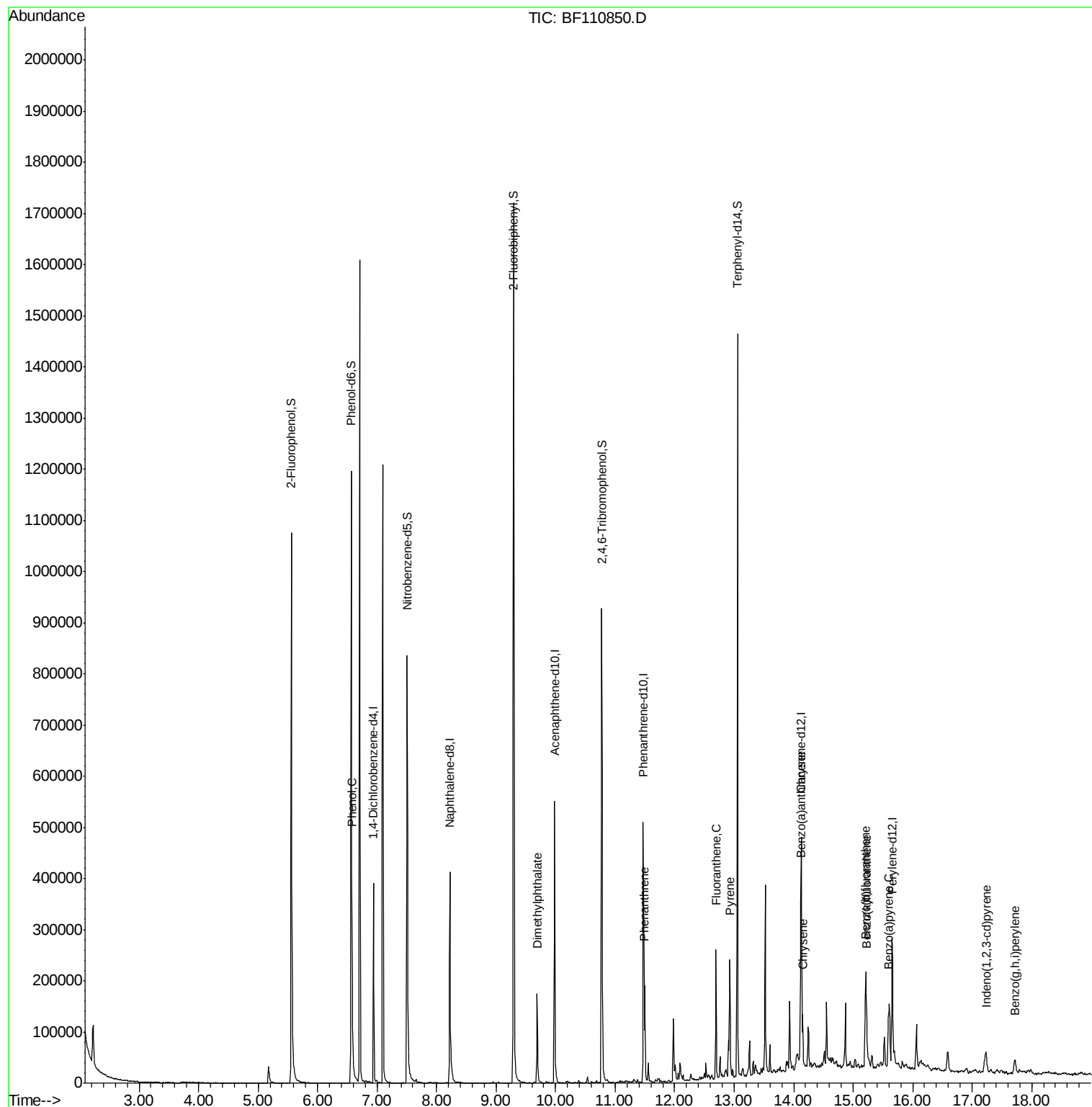
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
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#1

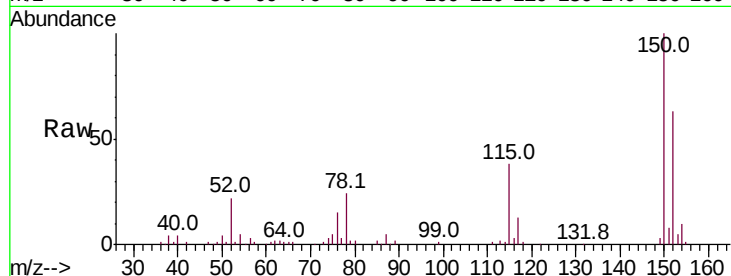
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF110850.D
Acq: 19 Nov 2018 13:58

Instrument :
BNA_F
ClientSampleId :
DUP-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.7	122.7	184.1
115	61.1	49.1	73.7

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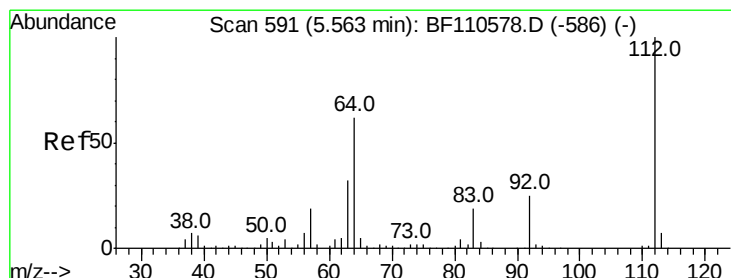
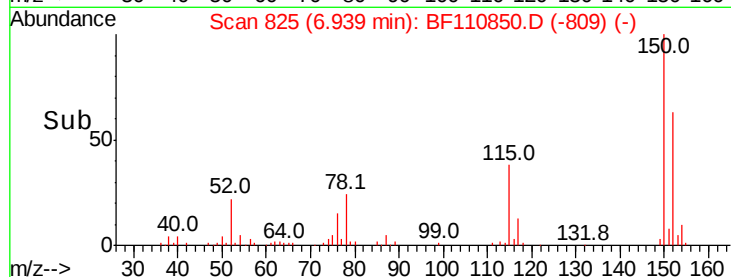
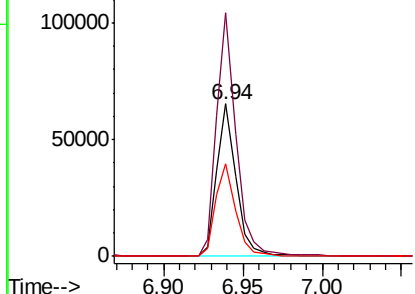


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

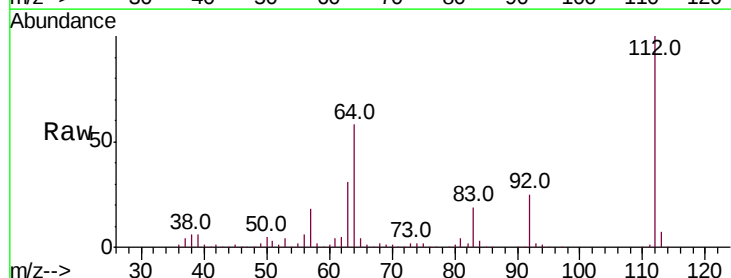
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 104.298 ng
RT: 5.56 min Scan# 591
Delta R.T. -0.00 min
Lab File: BF110850.D
Acq: 19 Nov 2018 13:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	44.1	66.1
63	31.3	23.7	35.5

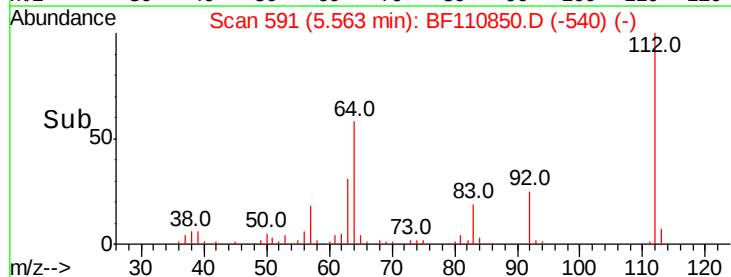
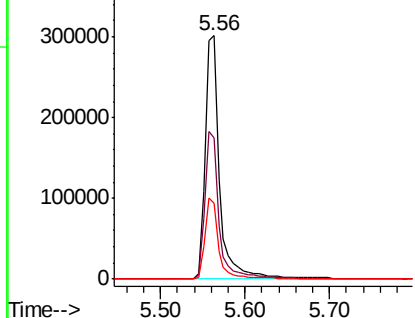


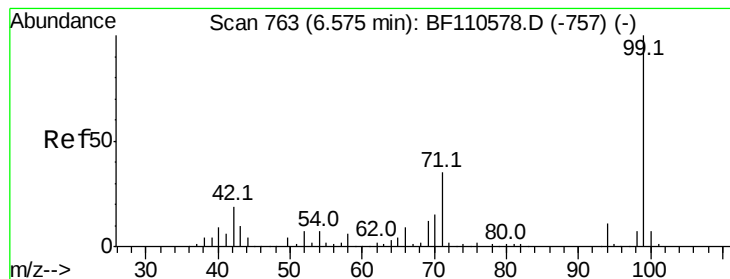
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 103.852 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110850.D

Acq: 19 Nov 2018 13:58

Instrument :

BNA_F

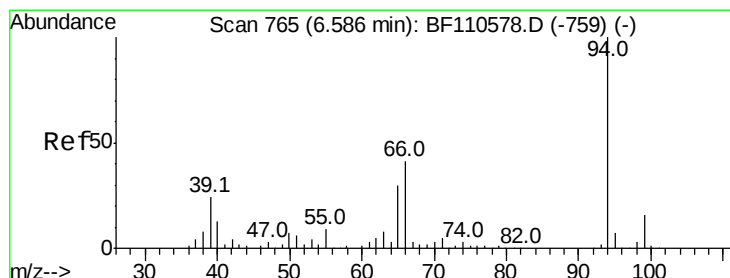
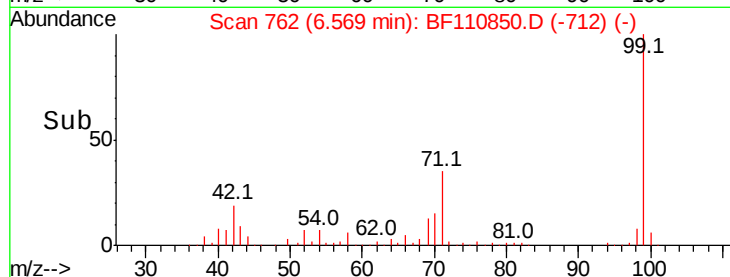
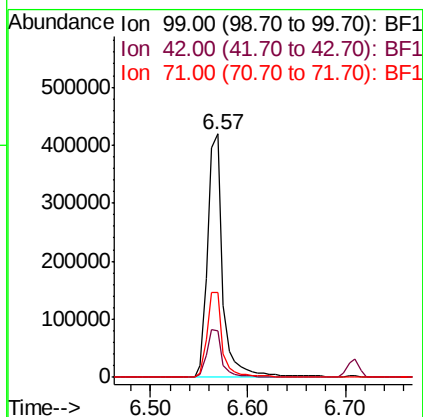
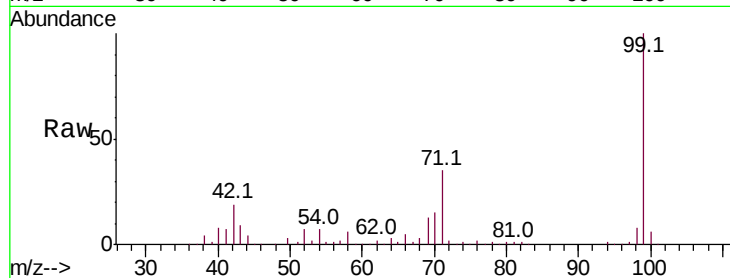
ClientSampleId :

DUP-01

Tot Ion:	99	Resp:	457179
Ion	Ratio	Lower	Upper
99	100		
42	19.3	15.8	23.6
71	35.1	28.0	42.0

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#10

Phenol

Concen: 5.032 ng

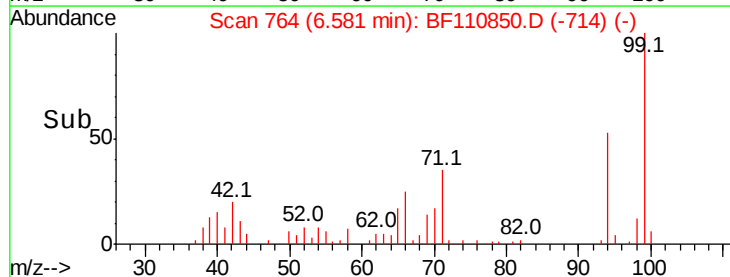
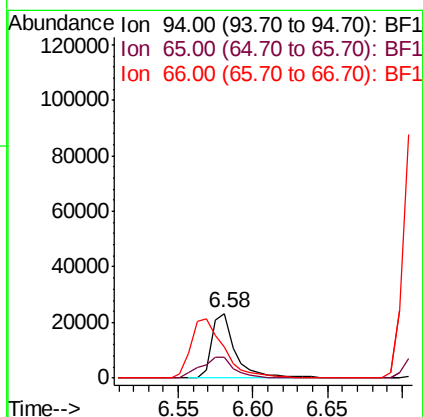
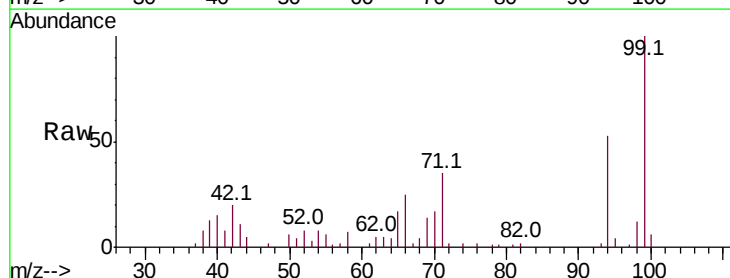
RT: 6.58 min Scan# 764

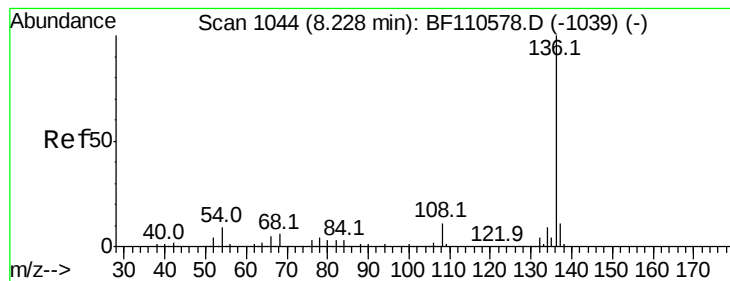
Delta R.T. -0.01 min

Lab File: BF110850.D

Acq: 19 Nov 2018 13:58

Tgt Ion:	94	Resp:	25688
Ion	Ratio	Lower	Upper
94	100		
65	31.9	25.3	65.3
66	48.1	54.5	94.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF110850.D

Acq: 19 Nov 2018 13:58

Instrument :

BNA_F

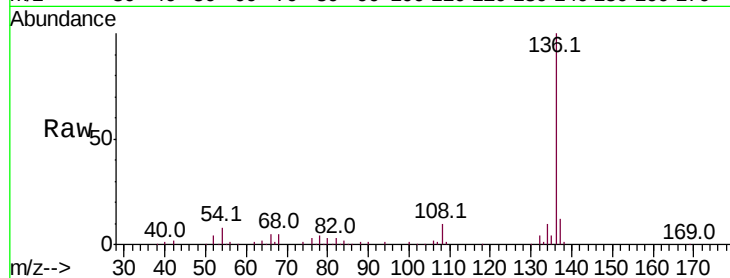
ClientSampleId :

DUP-01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		234162		
137	11.6		8.8	13.2	
54	8.0		5.4	8.2	
68	5.1		4.2	6.2	

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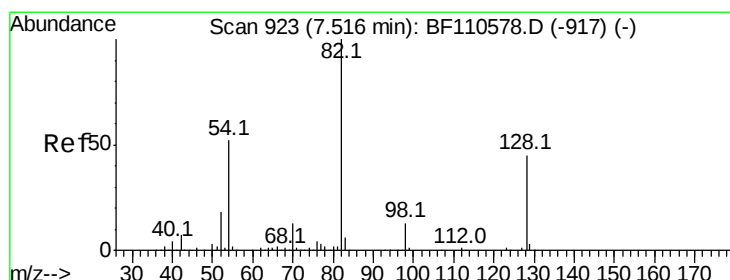
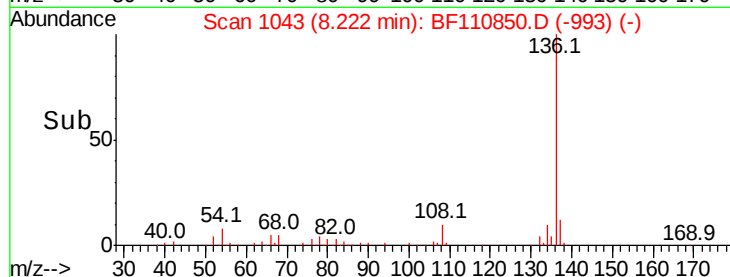
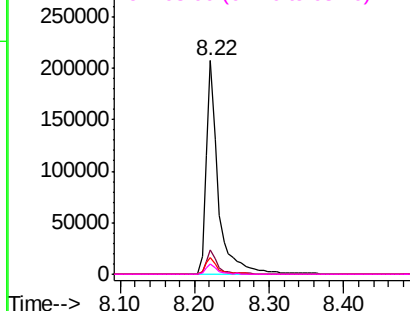
Abundance

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: 71.495 ng

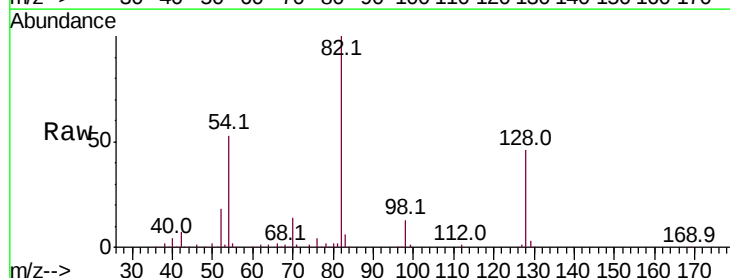
RT: 7.50 min Scan# 921

Delta R.T. -0.01 min

Lab File: BF110850.D

Acq: 19 Nov 2018 13:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		290702		
128	45.5		34.2	51.2	
54	53.2		38.6	58.0	

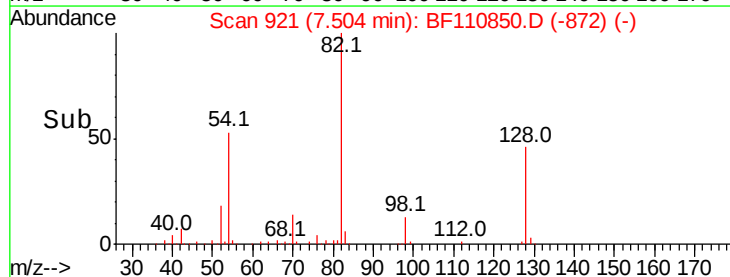
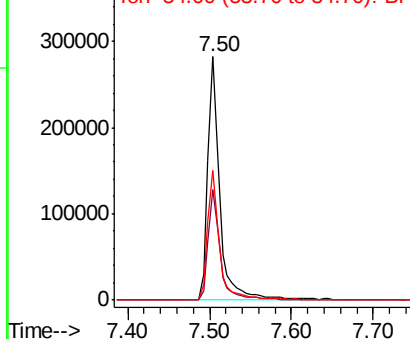


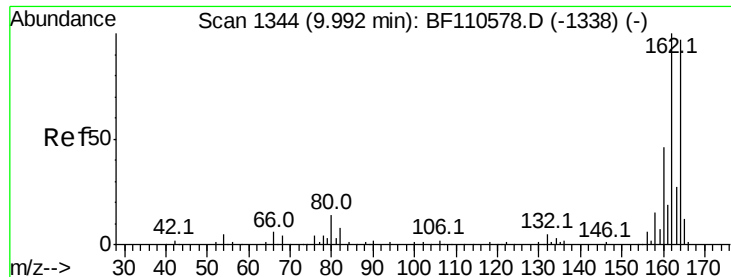
Abundance

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





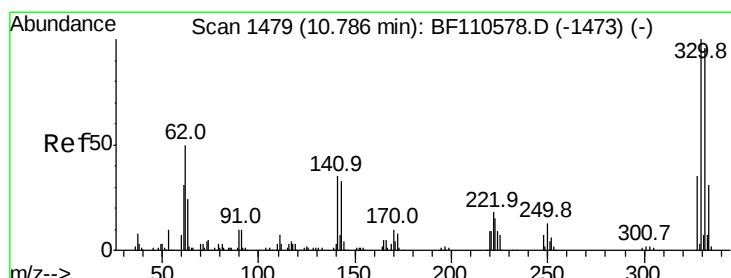
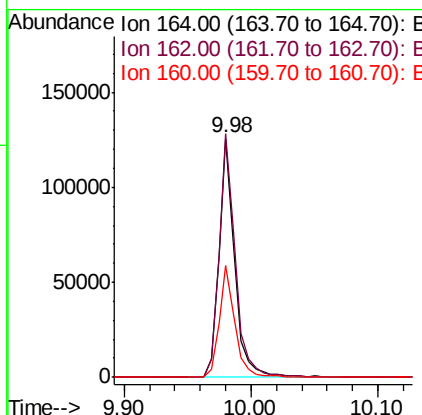
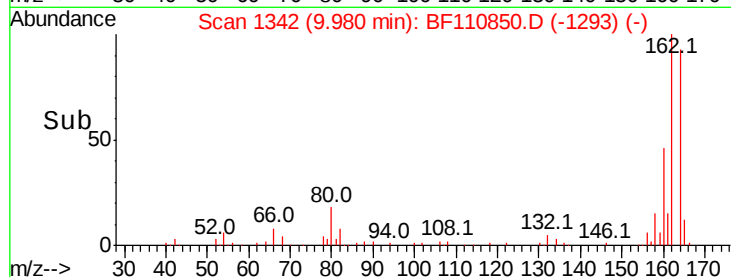
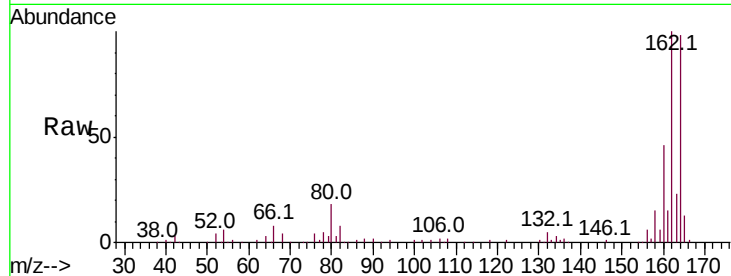
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF110850.D
Acq: 19 Nov 2018 13:58

Instrument :
BNA_F
ClientSampleId :
DUP-01

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.1	83.0	124.6	
160	46.8	37.0	55.6	

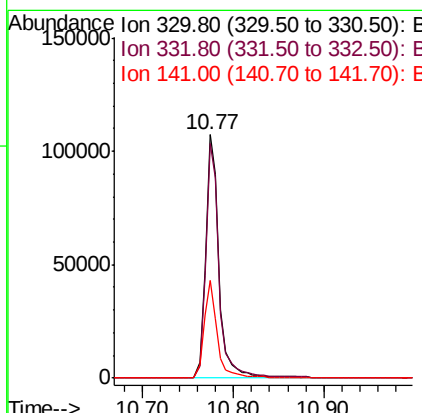
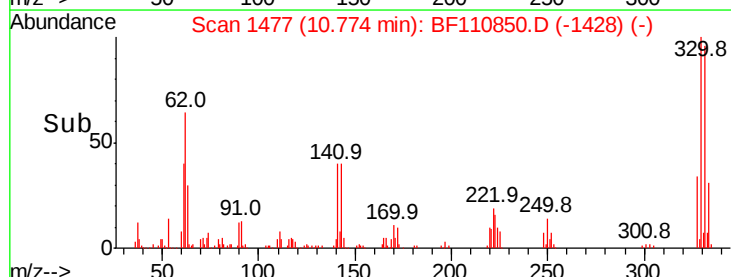
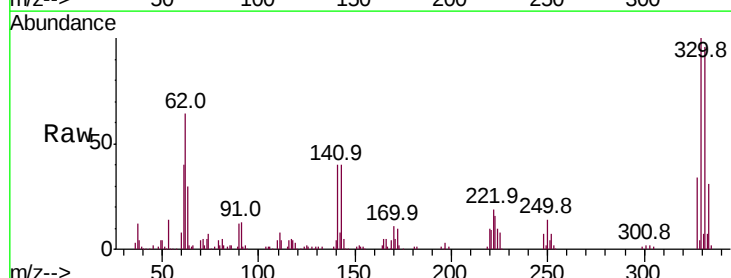
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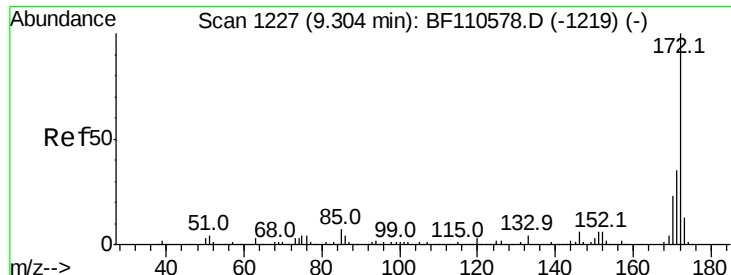
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#42
2,4,6-Tribromophenol
Concen: 101.205 ng
RT: 10.77 min Scan# 1477
Delta R.T. -0.01 min
Lab File: BF110850.D
Acq: 19 Nov 2018 13:58

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.9	77.1	115.7	
141	38.8	27.0	40.4	





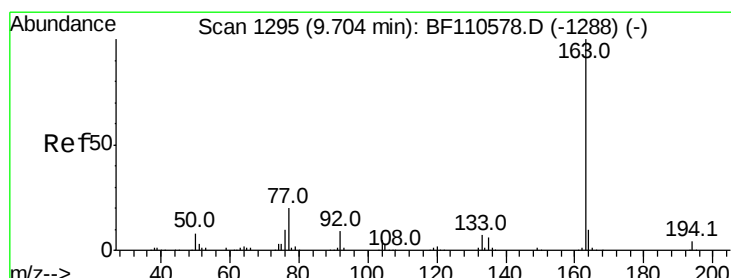
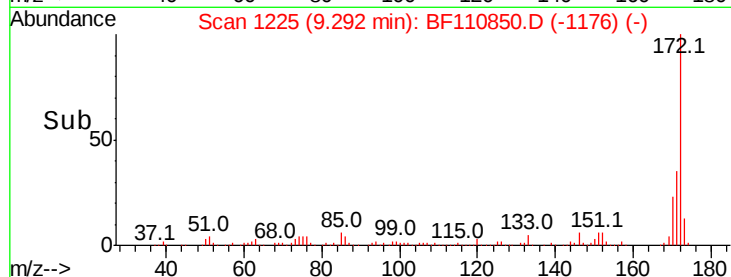
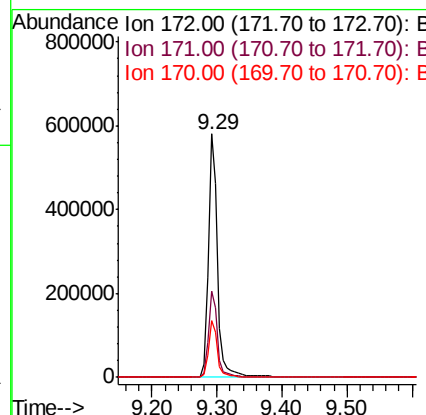
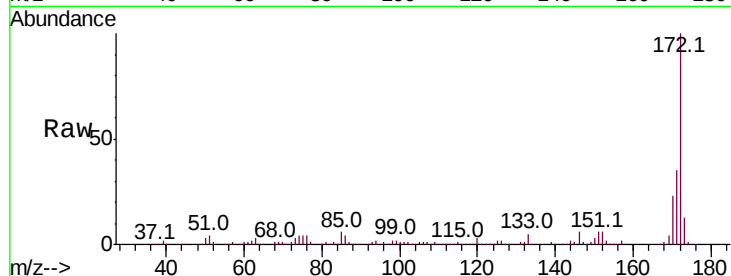
#45
2-Fluorobiphenyl
Concen: 72.546 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.01 min
Lab File: BF110850.D
Acq: 19 Nov 2018 13:58

Instrument :
BNA_F
ClientSampleId :
DUP-01

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.3	28.6	43.0	
170	23.4	19.7	29.5	

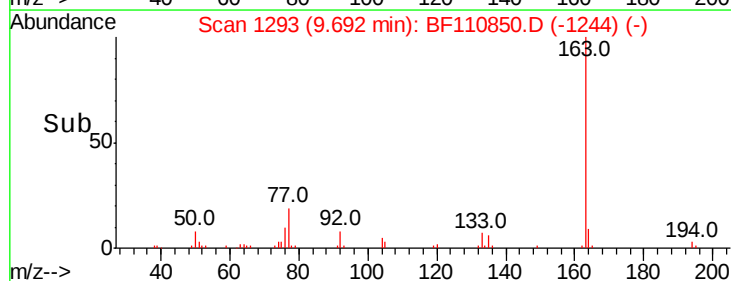
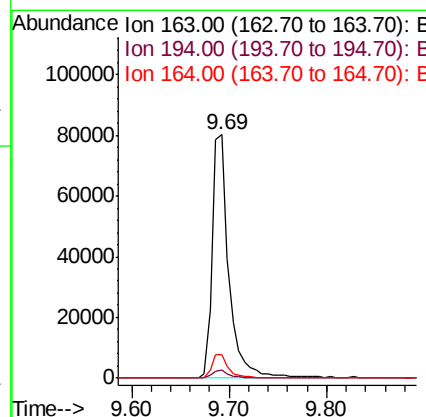
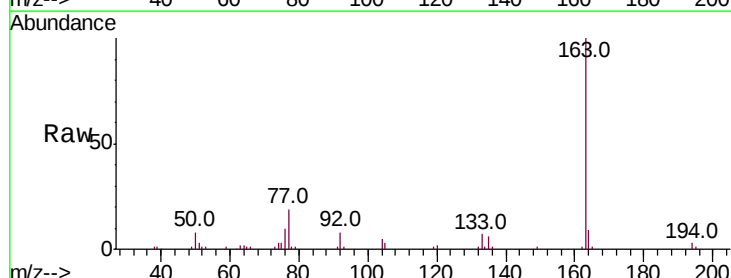
Manual Integrations
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#50
Dimethylphthalate
Concen: 11.603 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF110850.D
Acq: 19 Nov 2018 13:58

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.5	3.2	4.8	
164	9.4	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: BF110850.D

Acq: 19 Nov 2018 13:58

Instrument :

BNA_F

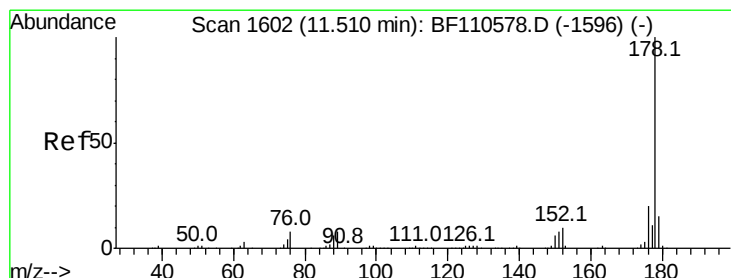
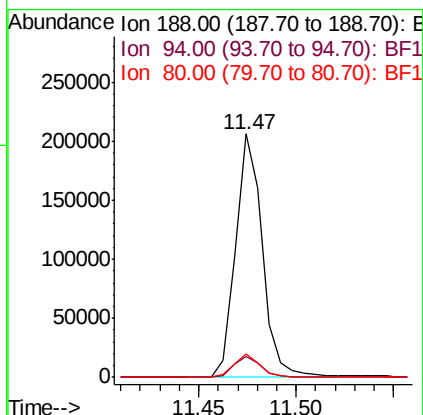
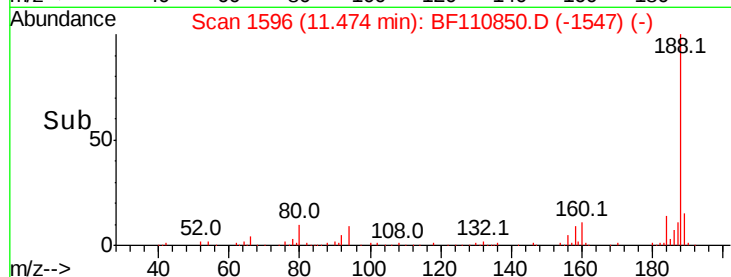
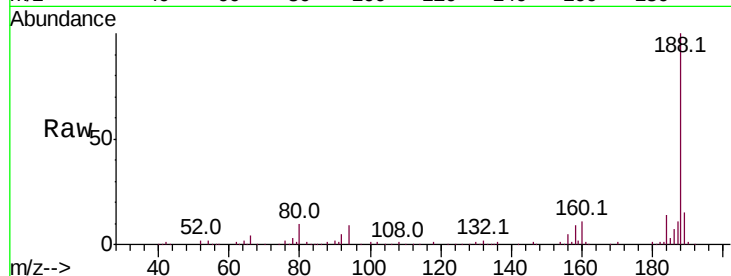
ClientSampled :

DUP-01

Tot Ion	188	Resp	195917
Ion Ratio	Lower	Upper	
188	100		
94	8.8	7.2	10.8
80	9.6	7.9	11.9

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#71

Phenanthrene

Concen: 6.812 ng

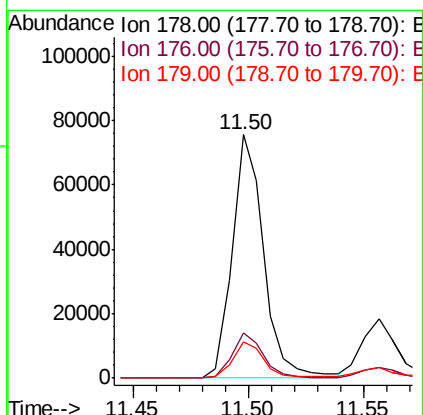
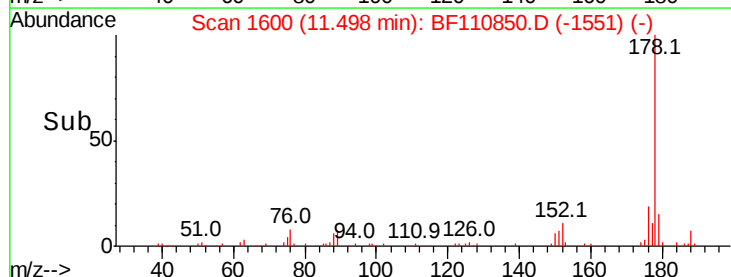
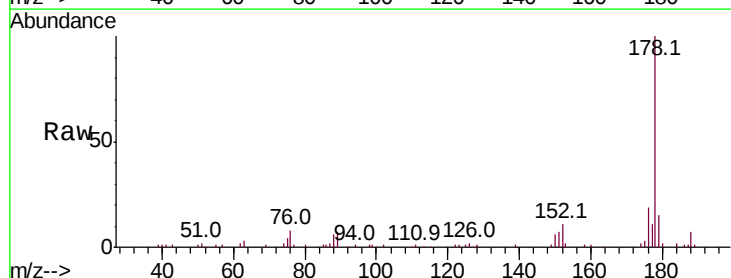
RT: 11.50 min Scan# 1600

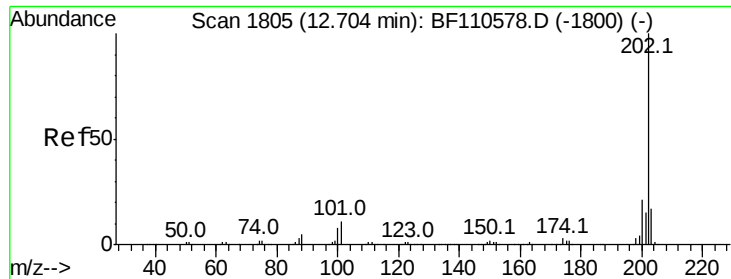
Delta R.T. -0.01 min

Lab File: BF110850.D

Acq: 19 Nov 2018 13:58

Tgt Ion	178	Resp	71502
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.5	23.3
179	15.1	12.5	18.7





#75

Fluoranthene

Concen: 9.839 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF110850.D

Acq: 19 Nov 2018 13:58

Instrument :

BNA_F

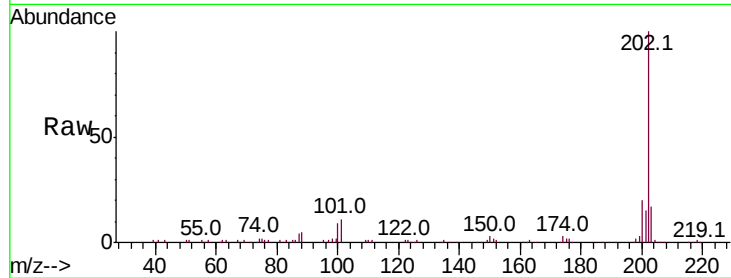
ClientSampled :

DUP-01

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
101	10.9	0.0	31.4	
203	16.8	0.0	37.7	

Manual Integrations
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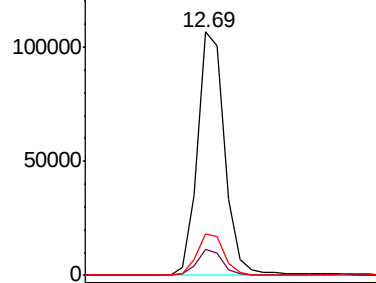
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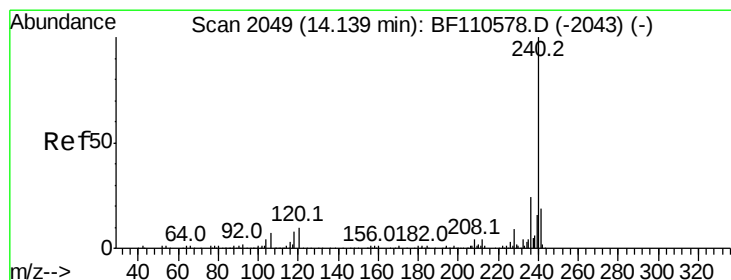
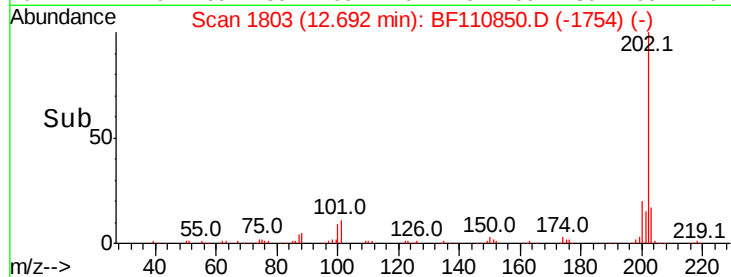
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

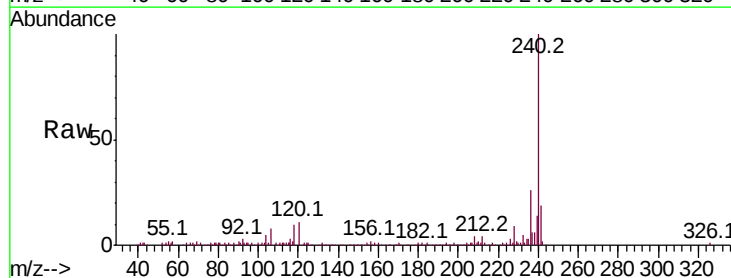
RT: 14.13 min Scan# 2047

Delta R.T. -0.01 min

Lab File: BF110850.D

Acq: 19 Nov 2018 13:58

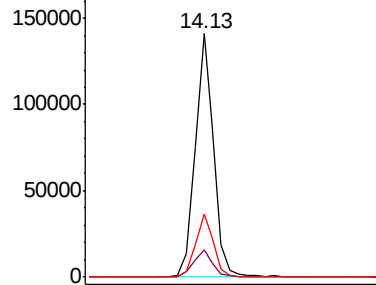
Tgt Ion	Ratio	Resp	Lower	Upper
240	100			
120	11.4	8.3	12.5	
236	26.0	21.2	31.8	



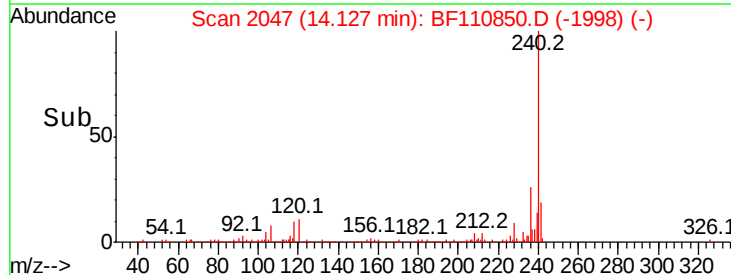
Abundance Ion 240.00 (239.70 to 240.70): E

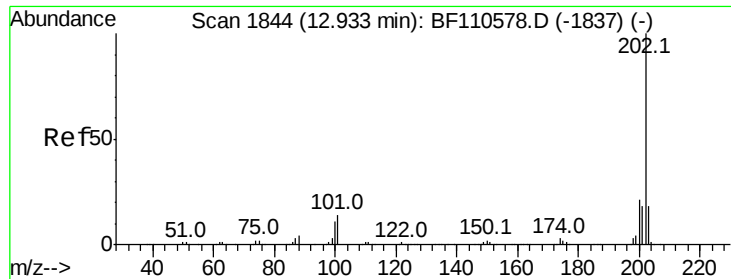
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->





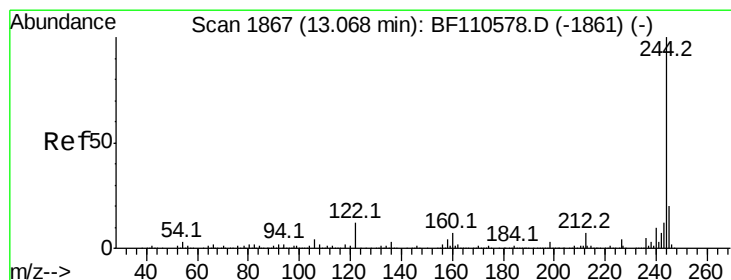
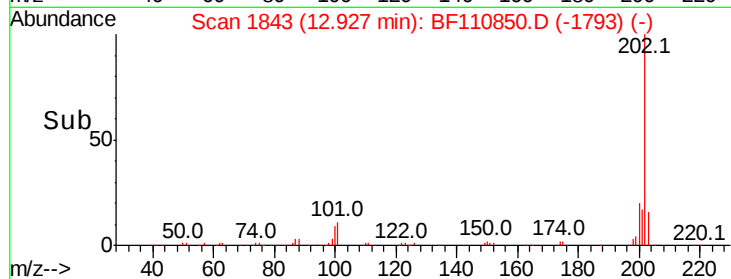
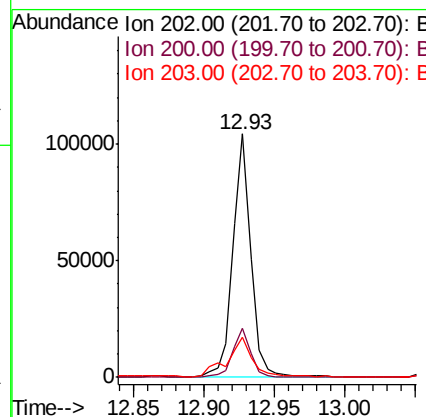
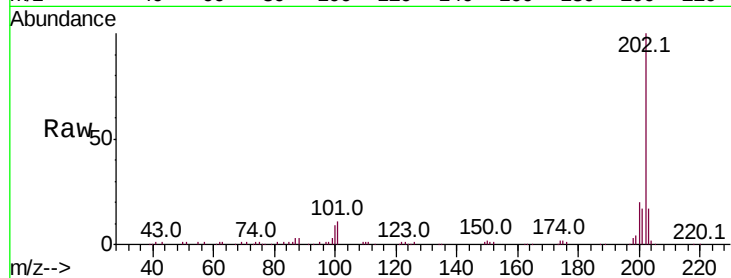
#78
Pvrene
Concen: 9.865 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BF110850.D
Acq: 19 Nov 2018 13:58

Instrument :
BNA_F
ClientSampled :
DUP-01

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.8	26.6
203	16.6	14.2	21.4

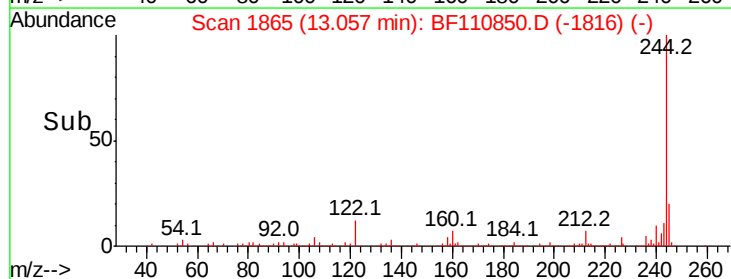
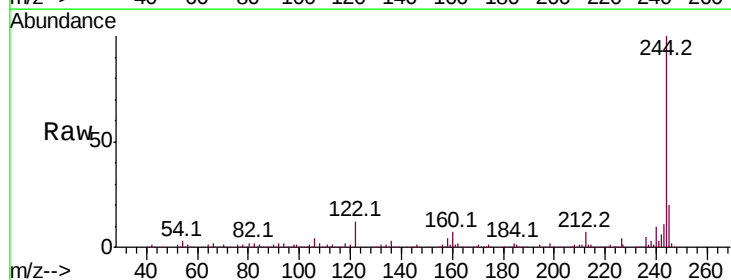
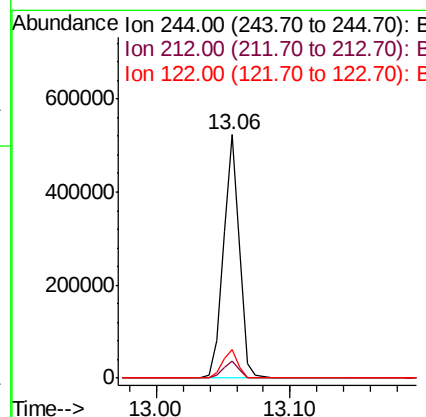
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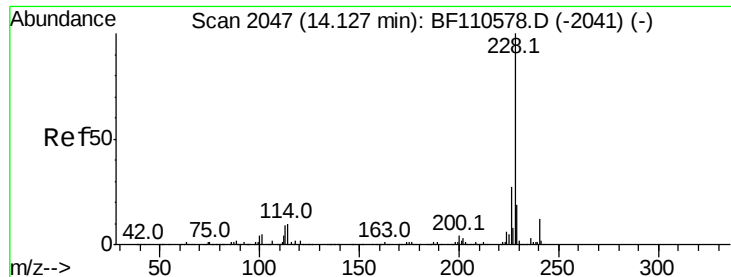
Sohil
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#79
Terphenyl-d14
Concen: 67.261 ng
RT: 13.06 min Scan# 1865
Delta R.T. -0.01 min
Lab File: BF110850.D
Acq: 19 Nov 2018 13:58

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.8
122	11.8	8.7	13.1





#81

Benzo(a)anthracene

Concen: 6.577 ng

RT: 14.12 min Scan# 2045

Delta R.T. -0.01 min

Lab File: BF110850.D

Acq: 19 Nov 2018 13:58

Instrument :

BNA_F

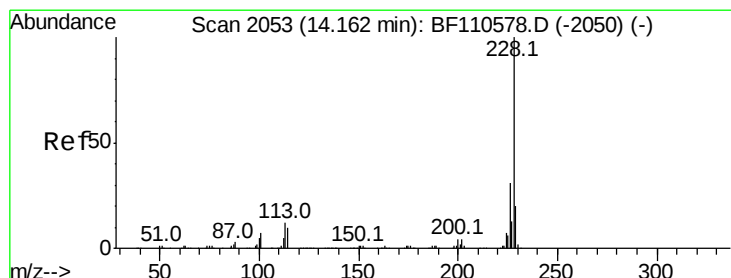
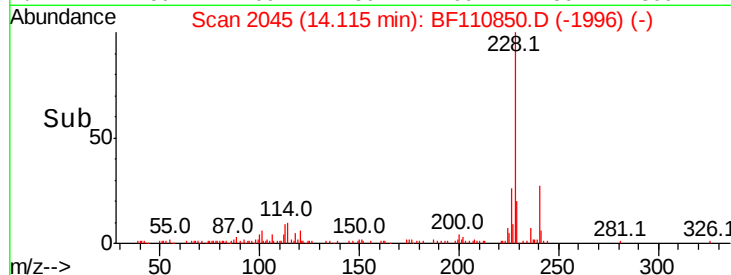
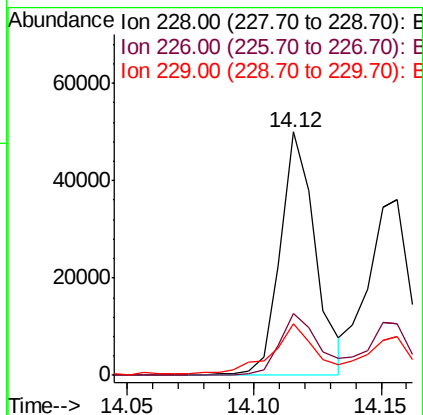
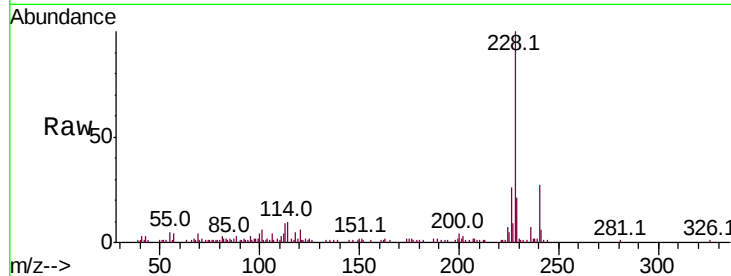
ClientSampled :

DUP-01

Tot Ion:	228	Resp:	48203
Ion Ratio	Lower	Upper	
228	100		
226	25.6	22.1	33.1
229	21.1	15.6	23.4

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#83

Chrysene

Concen: 6.184 ng

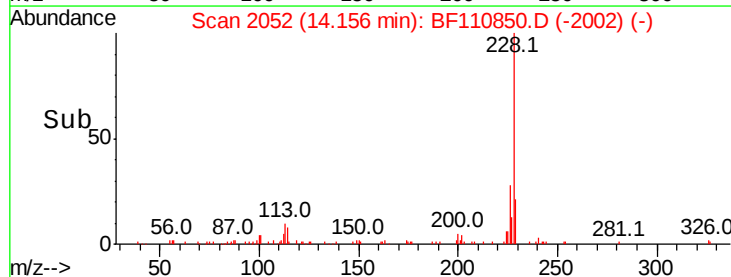
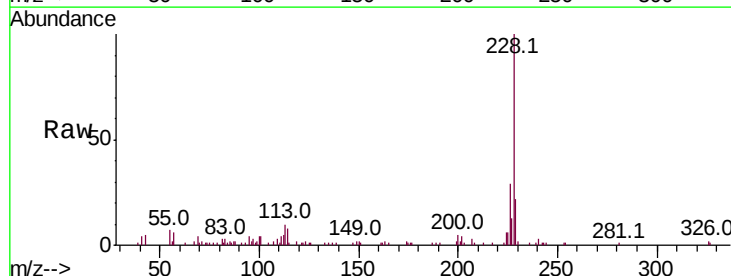
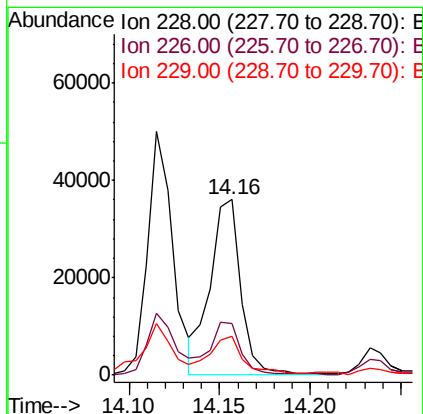
RT: 14.16 min Scan# 2052

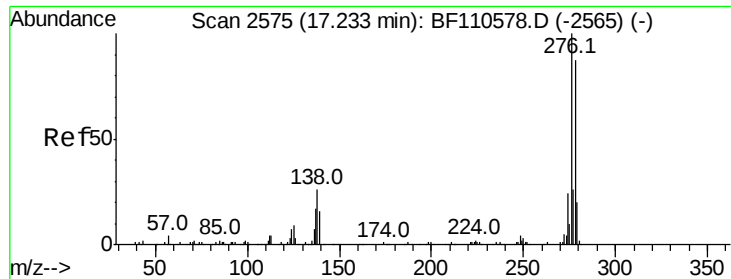
Delta R.T. -0.01 min

Lab File: BF110850.D

Acq: 19 Nov 2018 13:58

Tgt Ion:	228	Resp:	43179
Ion Ratio	Lower	Upper	
228	100		
226	29.3	24.7	37.1
229	22.2	15.9	23.9





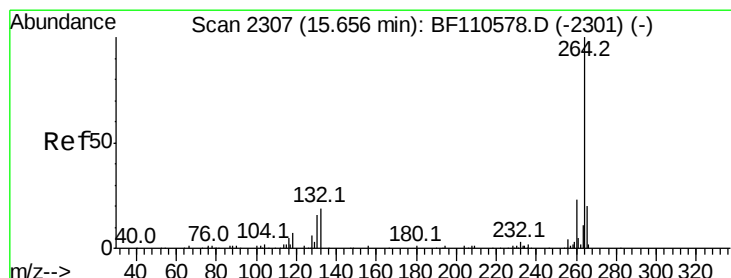
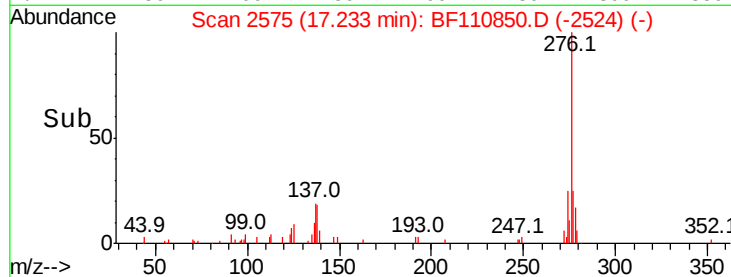
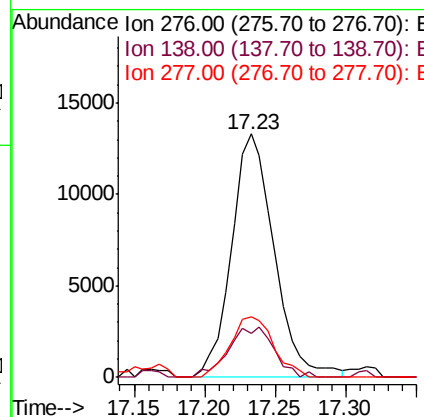
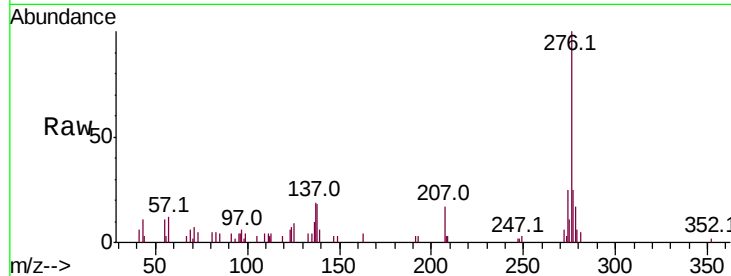
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 5.611 ng
 RT: 17.23 min Scan# 2575
 Delta R.T. -0.00 min
 Lab File: BF110850.D
 Acq: 19 Nov 2018 13:58

Instrument :
 BNA_F
 ClientSampled :
 DUP-01

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.1	18.5	27.7
277	25.3	20.0	30.0

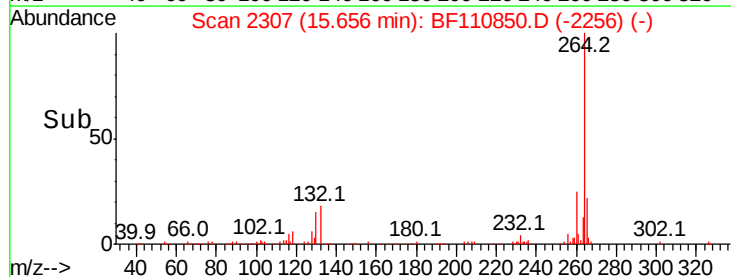
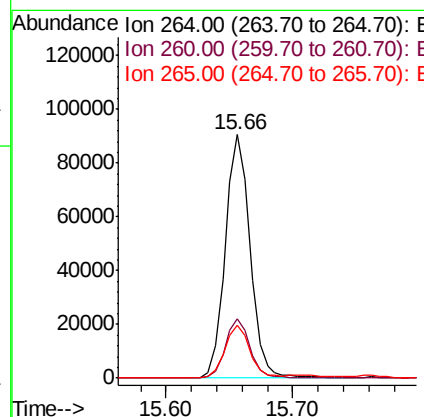
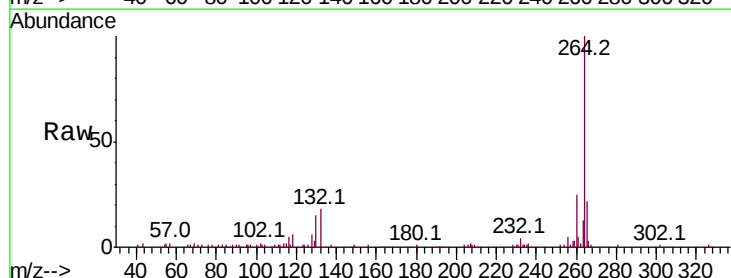
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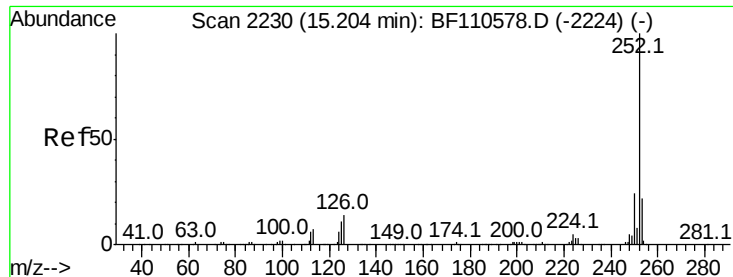
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.66 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: BF110850.D
 Acq: 19 Nov 2018 13:58

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.7	28.1
265	21.8	16.7	25.1





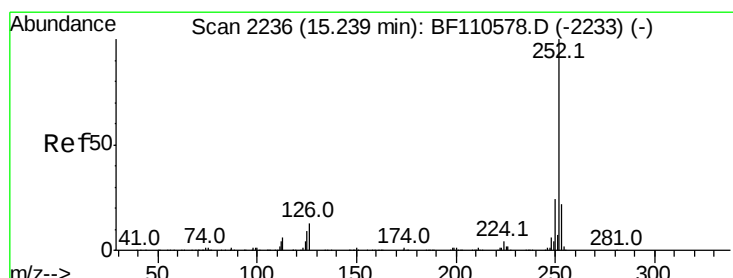
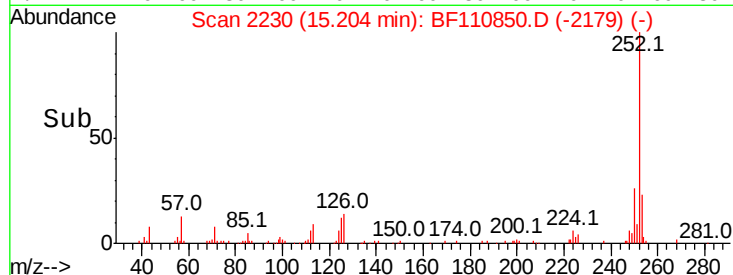
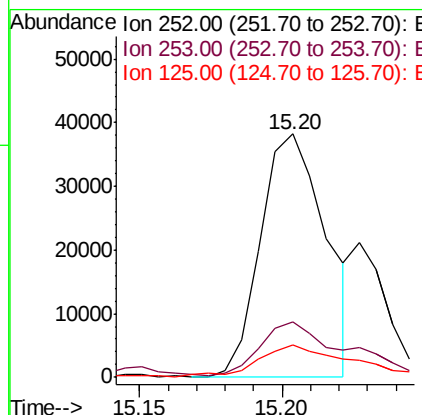
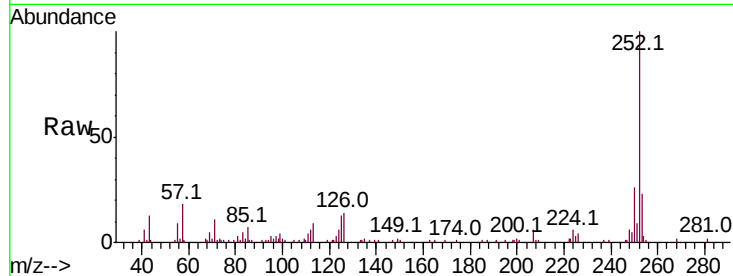
#88
Benzo(b)fluoranthene
Concen: 8.232 ng m
RT: 15.20 min Scan# 2230
Delta R.T. -0.00 min
Lab File: BF110850.D
Acq: 19 Nov 2018 13:58

Instrument :
BNA_F
ClientSampled :
DUP-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.2	25.8
125	13.5	8.2	12.4

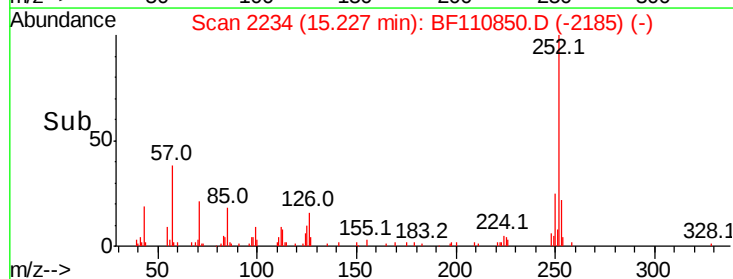
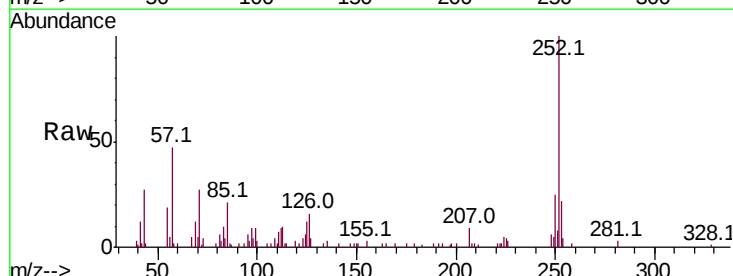
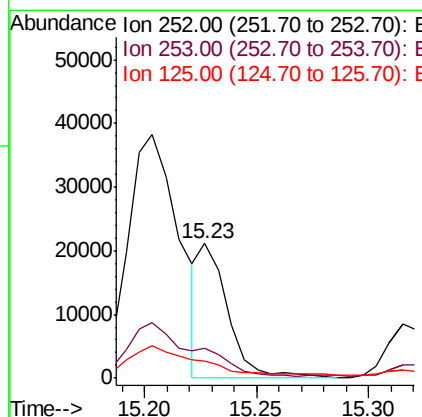
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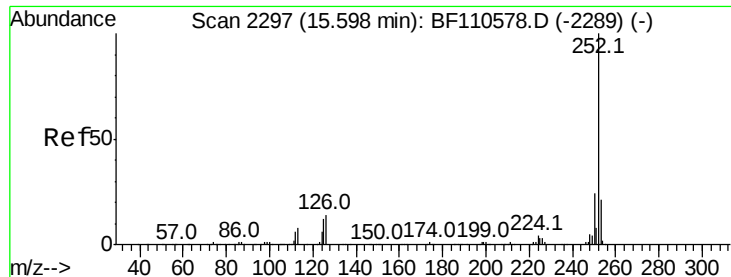
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#89
Benzo(k)fluoranthene
Concen: 2.590 ng m
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF110850.D
Acq: 19 Nov 2018 13:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.2	25.8
125	12.4	7.4	11.0





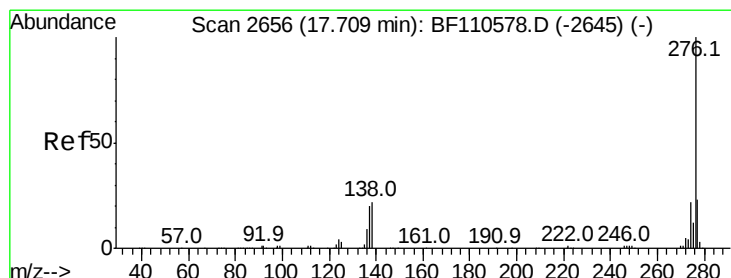
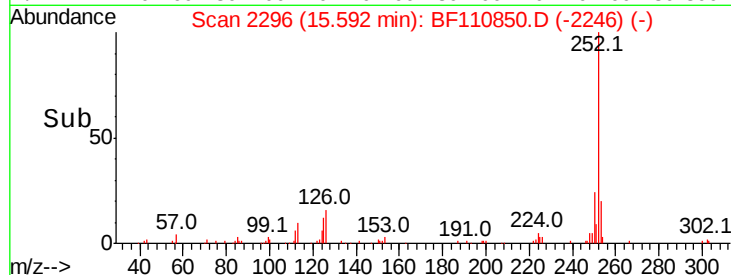
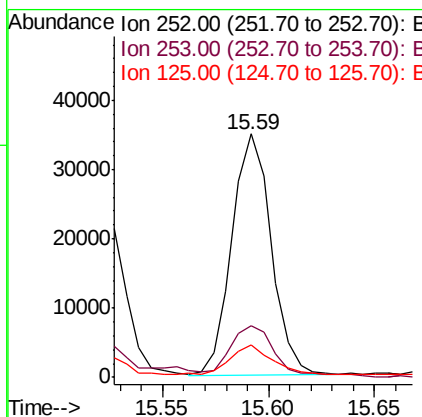
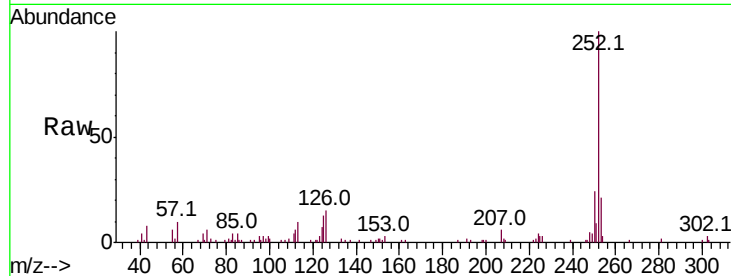
#90
Benzo(a)pyrene
Concen: 6.696 ng
RT: 15.59 min Scan# 2296
Delta R.T. -0.01 min
Lab File: BF110850.D
Acq: 19 Nov 2018 13:58

Instrument :
BNA_F
ClientSampled :
DUP-01

Tot Ion:	252	Resp:	44858
Ion Ratio	Lower	Upper	
252	100		
253	21.1	18.2	27.4
125	13.1	9.0	13.6

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#92
Benzo(g,h,i)perylene
Concen: 4.594 ng
RT: 17.72 min Scan# 2657
Delta R.T. 0.01 min
Lab File: BF110850.D
Acq: 19 Nov 2018 13:58

Tgt Ion:	276	Resp:	25841
Ion Ratio	Lower	Upper	
276	100		
277	24.9	18.8	28.2
138	22.4	16.0	24.0

