

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\
 Data File : BF110172.D
 Acq On : 25 Oct 2018 20:39
 Operator : JU/SJ
 Sample : J5625-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DW-02

Manual Integrations
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Quant Time: Oct 26 04:47:25 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 23 15:06:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	167914	20.00	ng	-0.02
21) Naphthalene-d8	8.25	136	677605	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	309279	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	507677	20.00	ng	-0.02
76) Chrysene-d12	14.14	240	302112	20.00	ng	-0.02
87) Perylene-d12	15.67	264	291672	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	1019765	98.90	ng	0.00
7) Phenol-d6	6.59	99	1295013	98.19	ng	-0.01
23) Nitrobenzene-d5	7.53	82	831103	72.75	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	271312	88.56	ng	-0.01
45) 2-Fluorobiphenyl	9.32	172	1325708	67.31	ng	-0.02
79) Terphenyl-d14	13.09	244	909060	62.58	ng	-0.02
Target Compounds						
10) Phenol	6.60	94	147051	10.431	ng	Qvalue # 62
31) Naphthalene	8.27	128	70866	2.269	ng	99
37) 2-Methylnaphthalene	8.96	142	46122	2.232	ng	100
50) Dimethylphthalate	9.72	163	256818	11.249	ng	99
71) Phenanthrene	11.52	178	200384	7.543	ng	99
72) Anthracene	11.57	178	63001	2.366	ng	99
75) Fluoranthene	12.72	202	305842	11.345	ng	100
78) Pyrene	12.95	202	346940	16.018	ng	98
80) Butylbenzylphthalate	13.55	149	90152	9.590	ng	96
81) Benzo(a)anthracene	14.13	228	176654	9.860	ng	95
83) Chrysene	14.17	228	175201	10.296	ng	98
84) Bis(2-ethylhexyl)phthalate	14.10	149	67344	5.299	ng	98
86) Indeno(1,2,3-cd)pyrene	17.23	276	100767	7.138	ng	99
88) Benzo(b)fluoranthene	15.22	252	239271m	14.206	ng	
89) Benzo(k)fluoranthene	15.24	252	90830m	5.485	ng	
90) Benzo(a)pyrene	15.60	252	158590	10.233	ng	98
91) Dibenzo(a,h)anthracene	17.23	278	29086	2.175	ng	# 77
92) Benzo(g,h,i)perylene	17.70	276	95977	7.283	ng	94

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

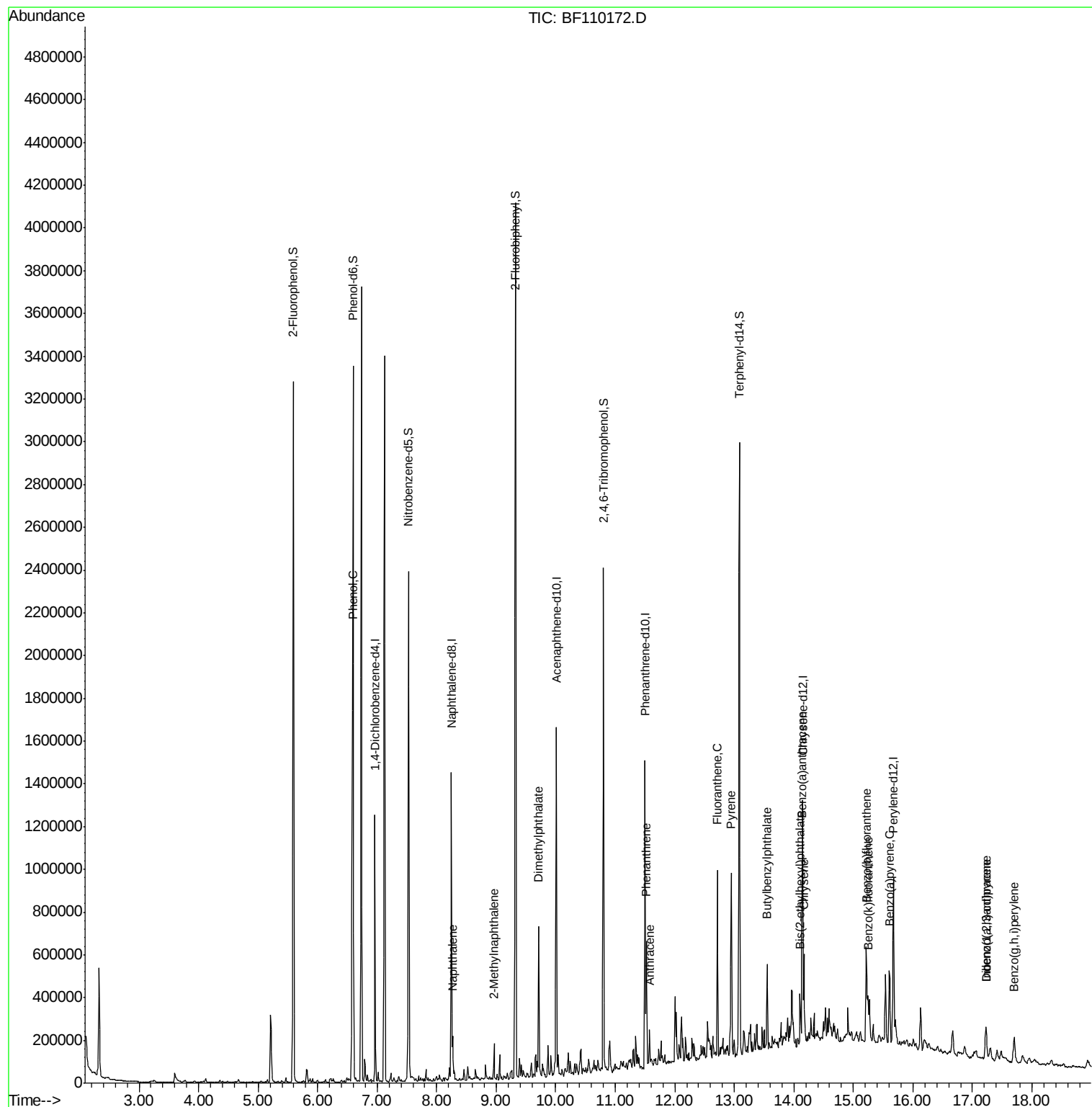
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\
Data File : BF110172.D
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Operator : JU/SJ
Sample : J5625-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

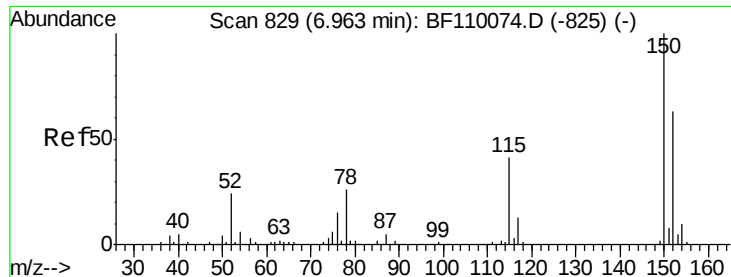
Instrument :
BNA_F
ClientSampleId :
DW-02

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

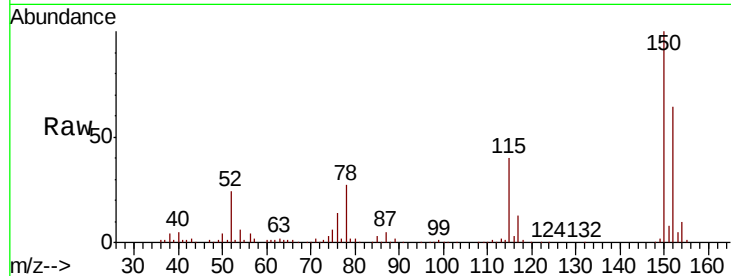
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 829
Delta R.T. -0.02 min
Lab File: BF110172.D
Acq: 25 Oct 2018 20:39

Instrument :
BNA_F
ClientSampled :
DW-02

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	122.7	184.1
115	63.6	49.1	73.7

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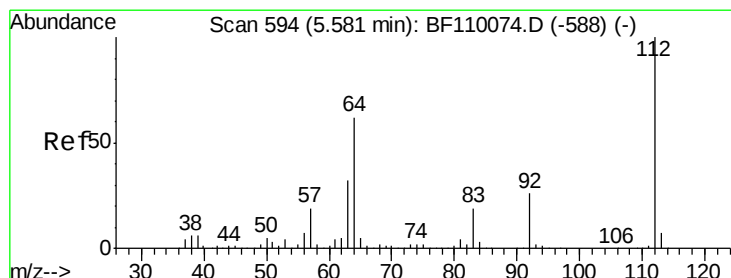
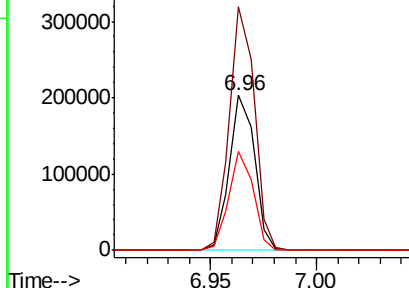
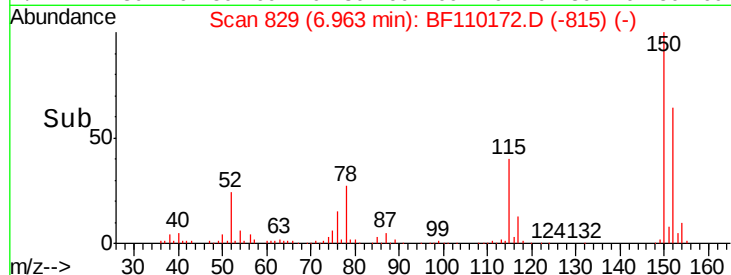


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

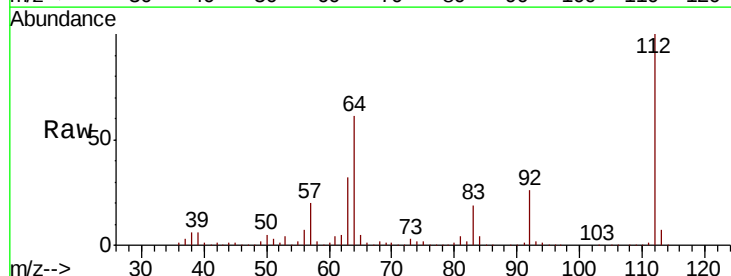
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 98.898 ng
RT: 5.59 min Scan# 596
Delta R.T. -0.01 min
Lab File: BF110172.D
Acq: 25 Oct 2018 20:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.4	44.1	66.1
63	32.5	23.7	35.5

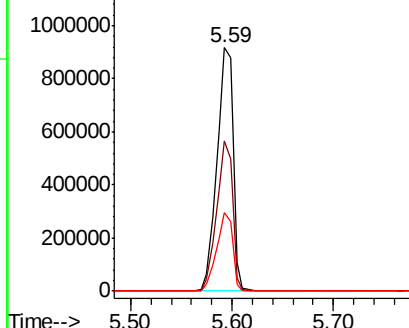
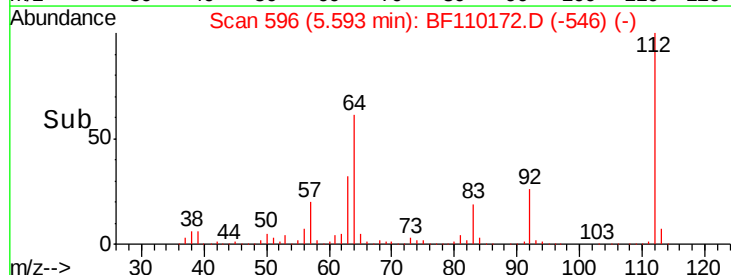


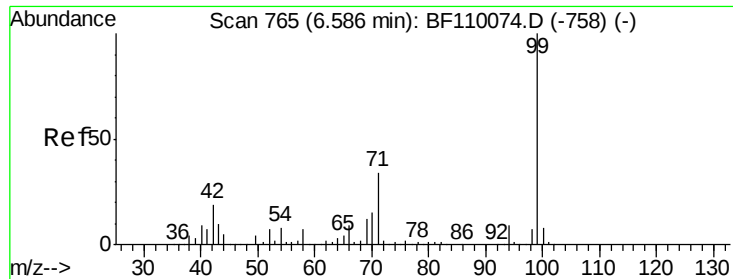
Abundance

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: 98.190 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF110172.D

Acq: 25 Oct 2018 20:39

Instrument :

BNA_F

ClientSampleId :

DW-02

Tot Ion: 99 Resp: 1295013

Ion Ratio Lower Upper

99 100

42 19.3 15.8 23.6

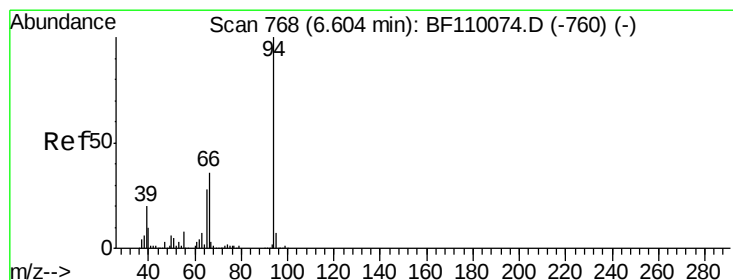
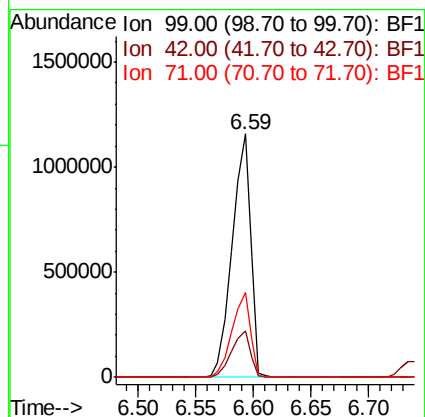
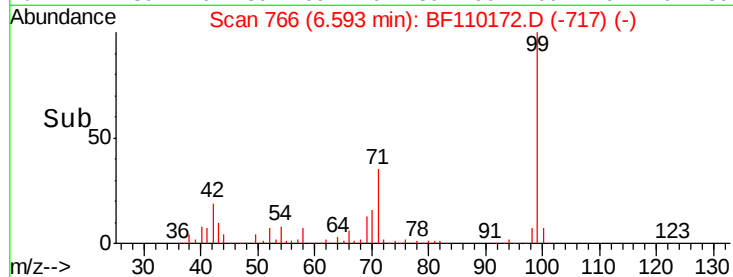
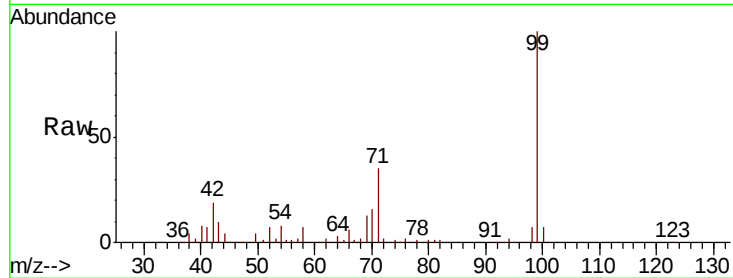
71 34.9 28.0 42.0

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#10

Phenol

Concen: 10.431 ng

RT: 6.60 min Scan# 768

Delta R.T. -0.01 min

Lab File: BF110172.D

Acq: 25 Oct 2018 20:39

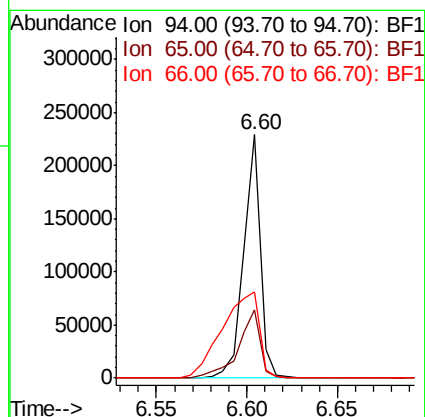
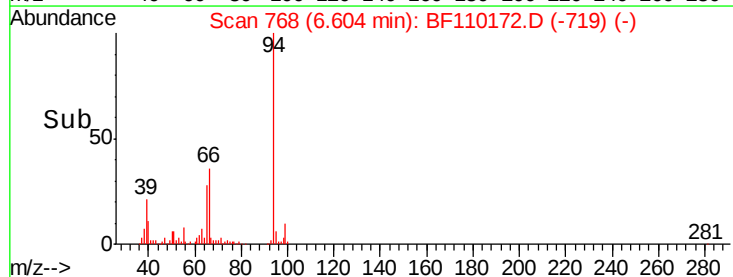
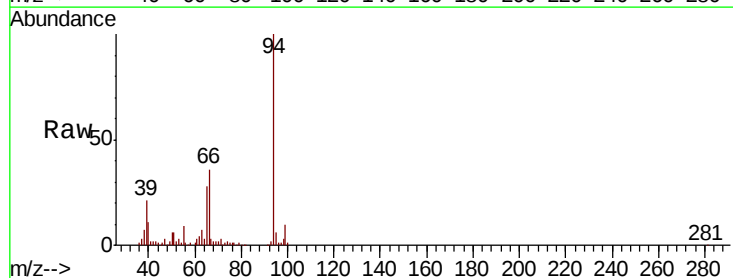
Tgt Ion: 94 Resp: 147051

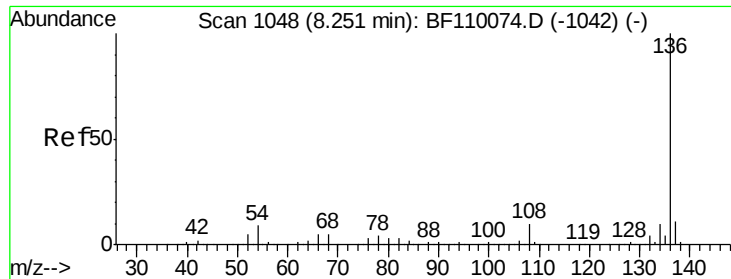
Ion Ratio Lower Upper

94 100

65 28.1 25.3 65.3

66 35.6 54.5 94.5#





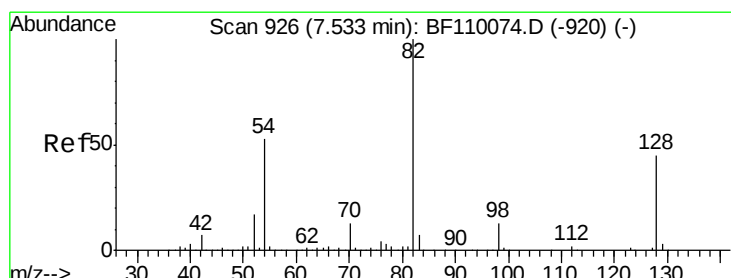
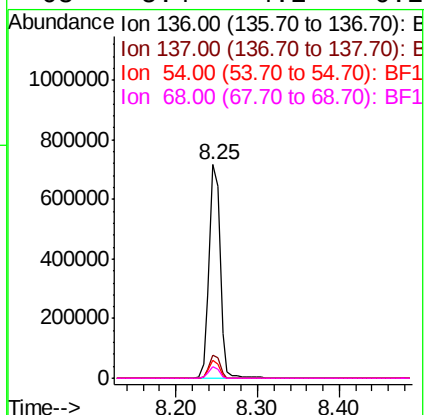
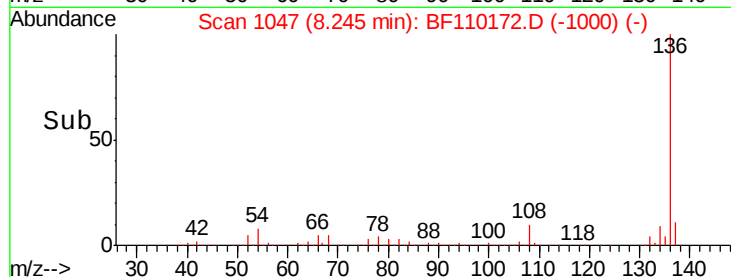
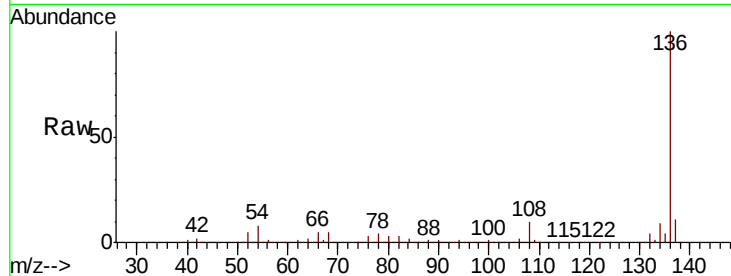
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.02 min
Lab File: BF110172.D
Acq: 25 Oct 2018 20:39

Instrument :
BNA_F
ClientSampleID :
DW-02

Tot Ion	Ratio	Resp	Lower	Upper
136	100	677605		
137	10.9		8.8	13.2
54	8.3		5.4	8.2#
68	5.4		4.2	6.2

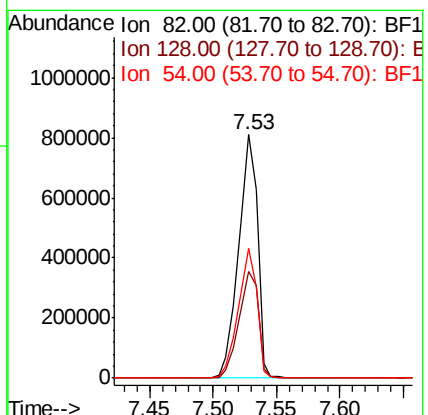
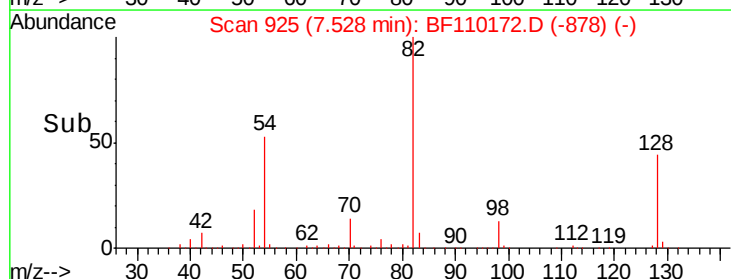
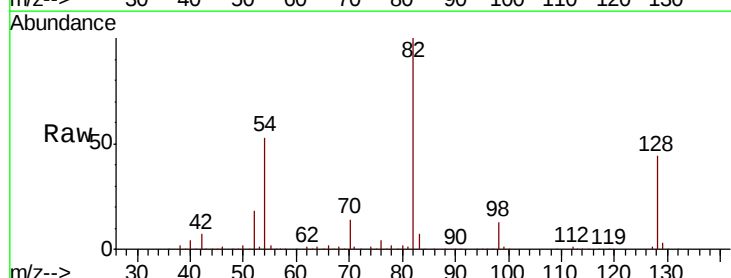
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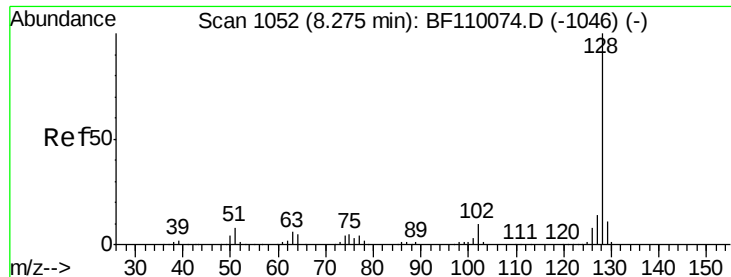
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#23
Nitrobenzene-d5
Concen: 72.749 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.02 min
Lab File: BF110172.D
Acq: 25 Oct 2018 20:39

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	831103		
128	43.9		34.2	51.2
54	53.5		38.6	58.0





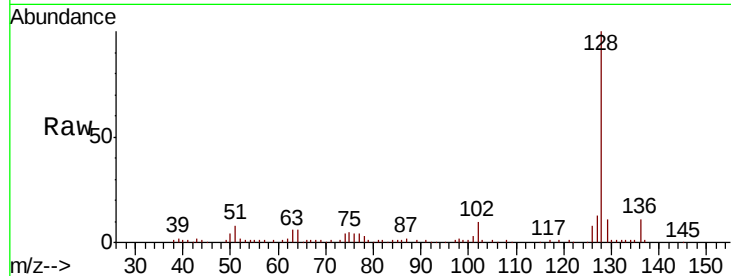
#31
Naphthalene
Concen: 2.269 ng
RT: 8.27 min Scan# 1051
Delta R.T. -0.02 min
Lab File: BF110172.D
Acq: 25 Oct 2018 20:39

Instrument :
BNA_F
ClientSampled :
DW-02

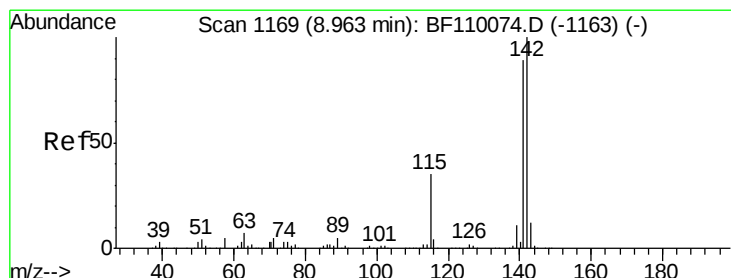
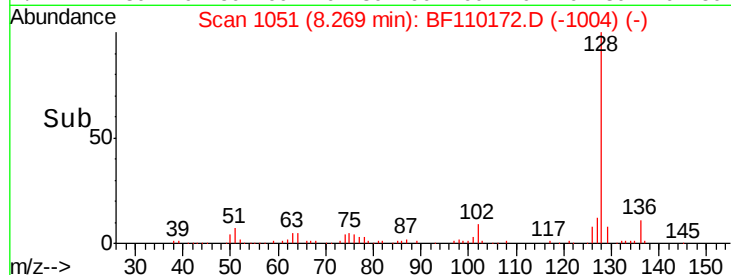
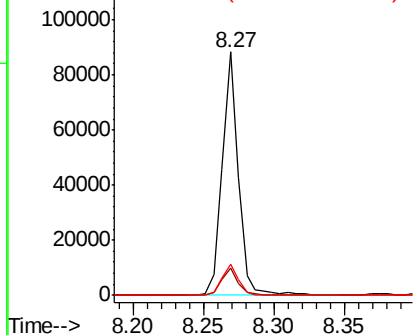
Tot Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.8	13.2
127	12.9	10.8	16.2

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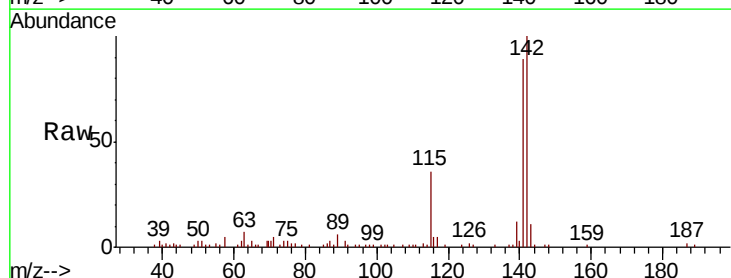


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

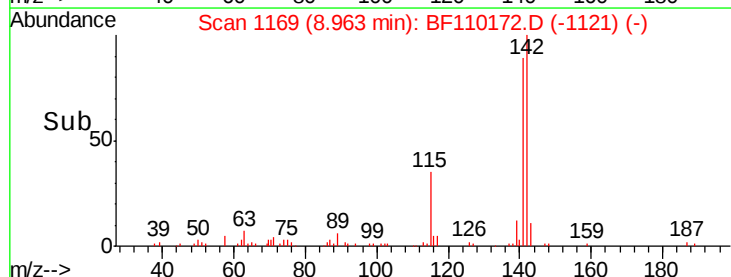
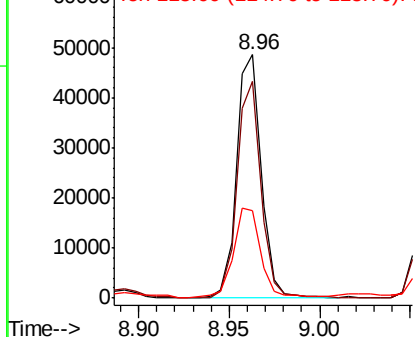


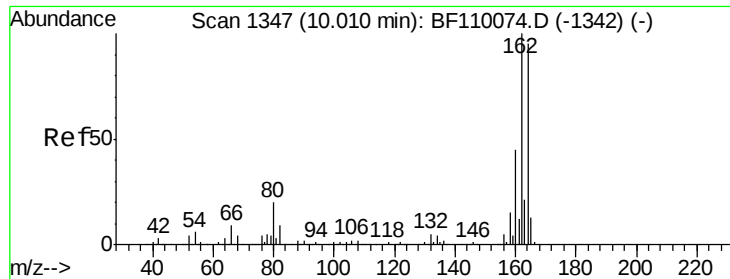
#37
2-Methylnaphthalene
Concen: 2.232 ng
RT: 8.96 min Scan# 1169
Delta R.T. -0.02 min
Lab File: BF110172.D
Acq: 25 Oct 2018 20:39

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.4	107.2
115	35.9	28.7	43.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





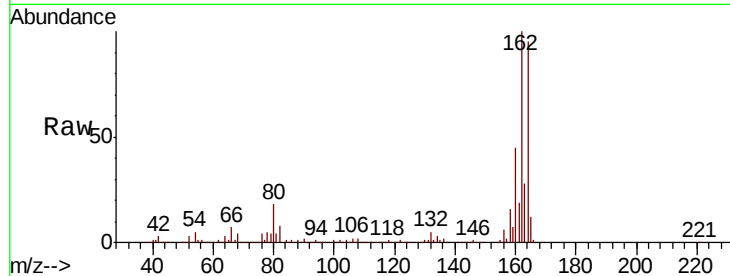
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.02 min
Lab File: BF110172.D
Acq: 25 Oct 2018 20:39

Instrument :
BNA_F
ClientSampled :
DW-02

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.9	83.0	124.6	
160	47.5	37.0	55.6	

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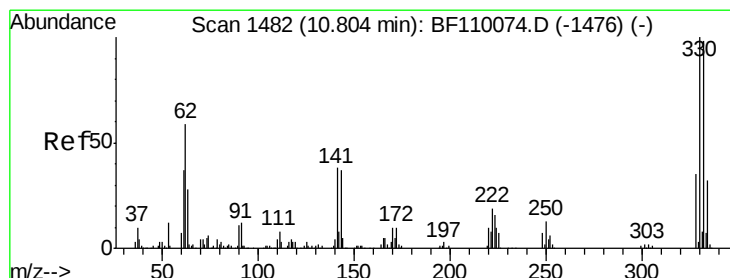
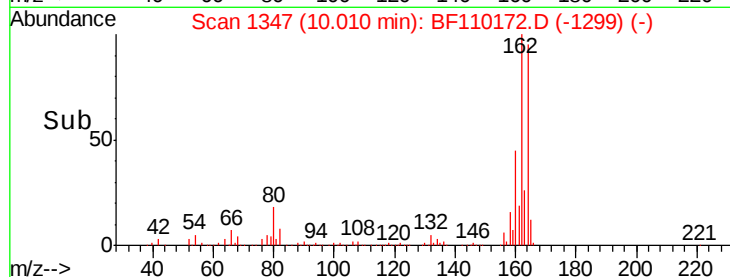
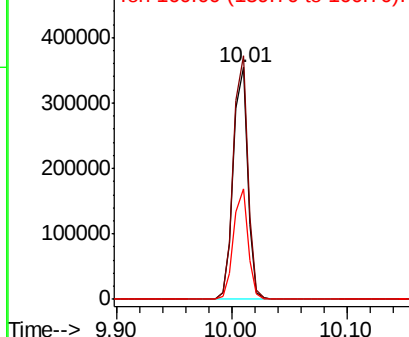


Abundance

Ion 164.00 (163.70 to 164.70): E

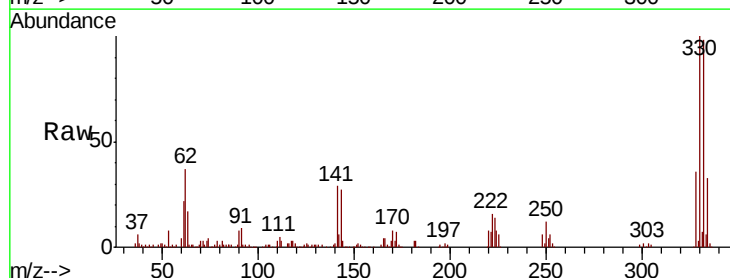
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 88.559 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF110172.D
Acq: 25 Oct 2018 20:39

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.0	77.1	115.7	
141	37.2	27.0	40.4	

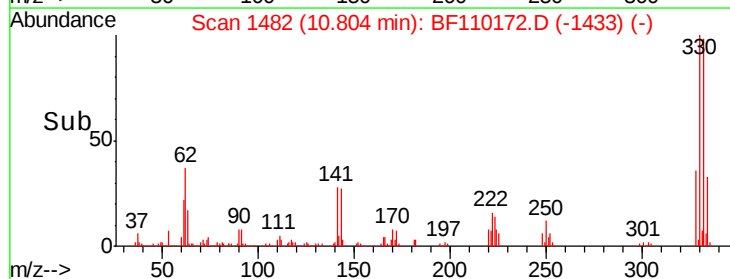
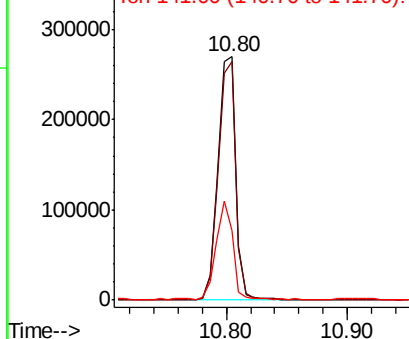


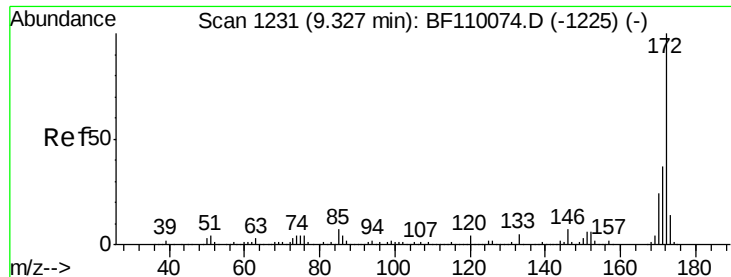
Abundance

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





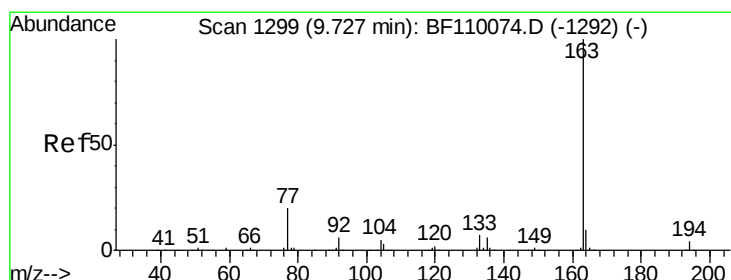
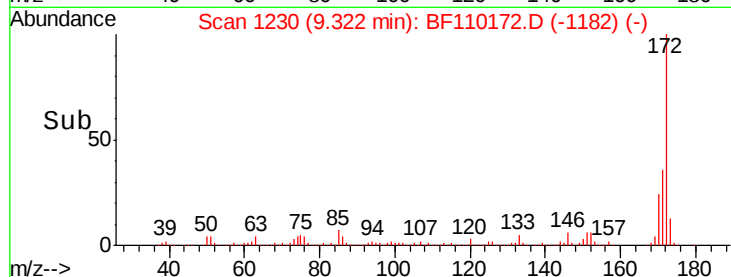
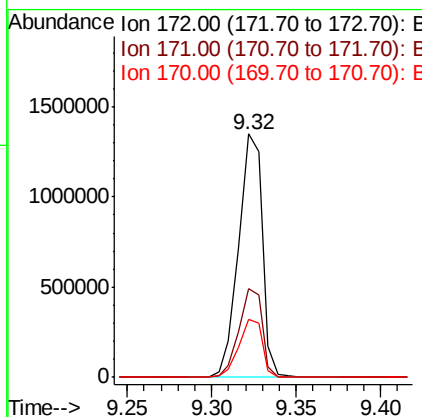
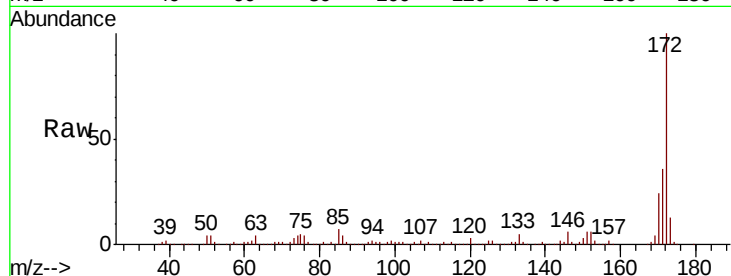
#45
2-Fluorobiphenyl
Concen: 67.308 ng
RT: 9.32 min Scan# 1230
Delta R.T. -0.02 min
Lab File: BF110172.D
Acq: 25 Oct 2018 20:39

Instrument :
BNA_F
ClientSampleId :
DW-02

Tot Ion	Ion	Ratio	Lower	Upper
172	100			
171	36.2	28.6	43.0	
170	23.7	19.7	29.5	

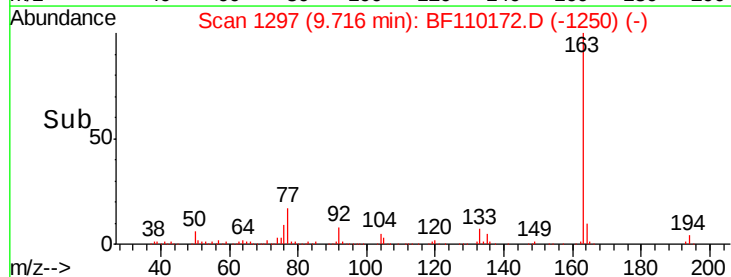
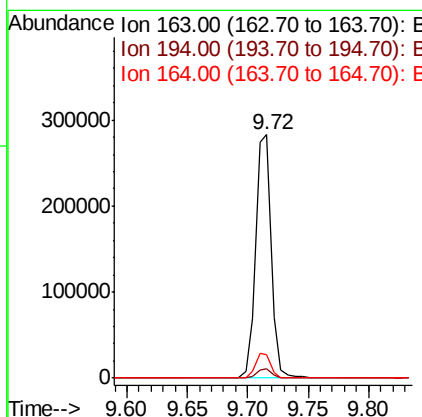
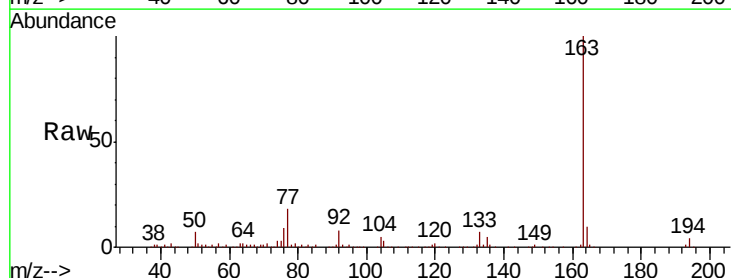
Manual Integrations
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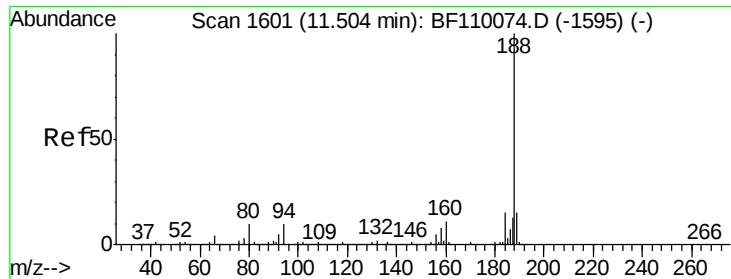
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#50
Dimethylphthalate
Concen: 11.249 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF110172.D
Acq: 25 Oct 2018 20:39

Tgt Ion	Ion	Ratio	Lower	Upper
163	100			
194	3.7	3.2	4.8	
164	9.9	8.1	12.1	





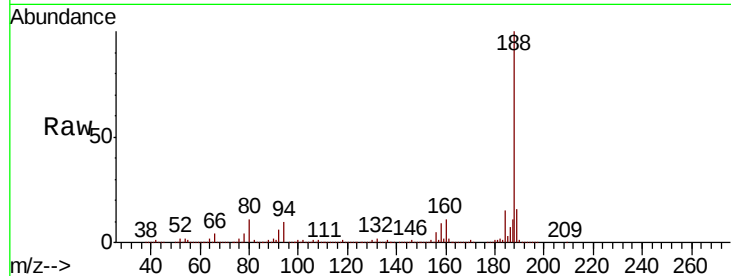
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.02 min
Lab File: BF110172.D
Acq: 25 Oct 2018 20:39

Instrument :
BNA_F
ClientSampleId :
DW-02

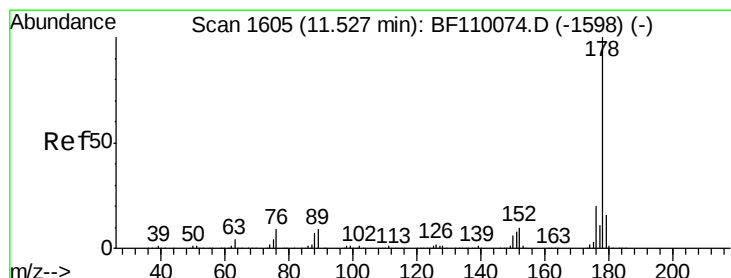
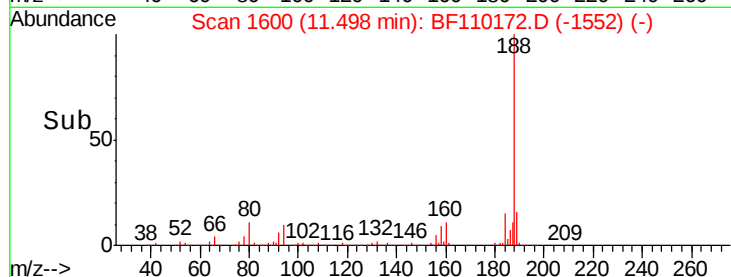
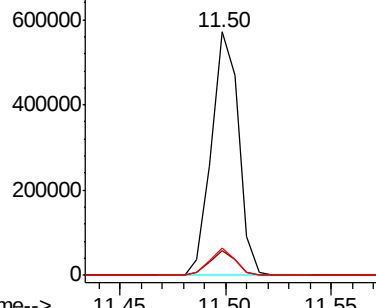
Tot Ion	Ratio	Resp	Lower	Upper
188	100	507677		
94	10.3		7.2	10.8
80	11.3		7.9	11.9

Manual Integrations
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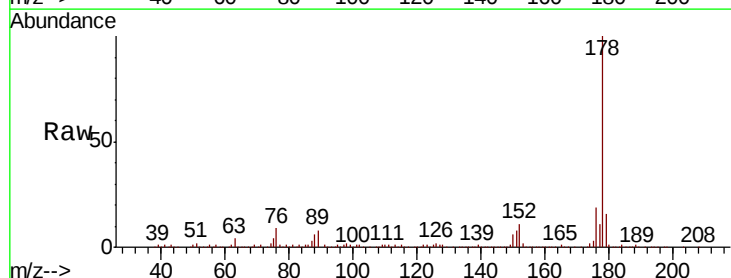


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

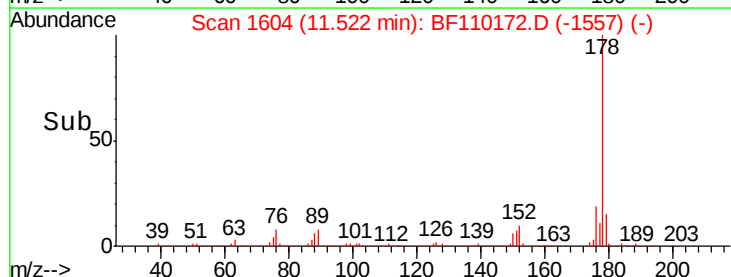
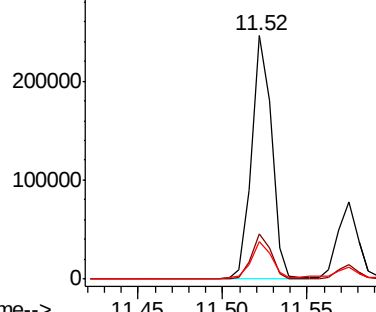


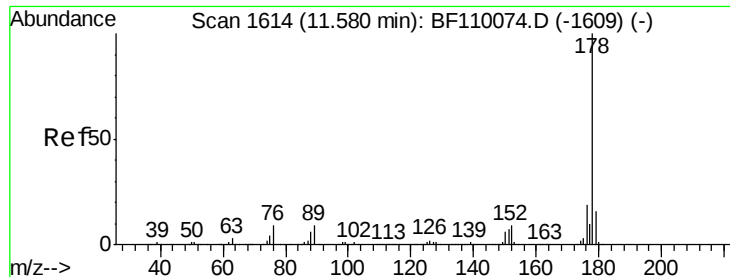
#71
Phenanthrene
Concen: 7.543 ng
RT: 11.52 min Scan# 1604
Delta R.T. -0.02 min
Lab File: BF110172.D
Acq: 25 Oct 2018 20:39

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	200384		
176	18.8		15.5	23.3
179	15.6		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





#72

Anthracene

Concen: 2.366 ng

RT: 11.57 min Scan# 1613

Delta R.T. -0.02 min

Lab File: BF110172.D

Acq: 25 Oct 2018 20:39

Instrument :

BNA_F

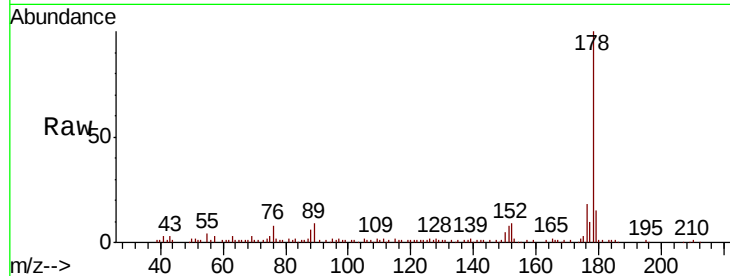
ClientSampled :

DW-02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
178	100		63001		
176	18.5	15.4	23.2		
179	15.5	12.6	18.8		

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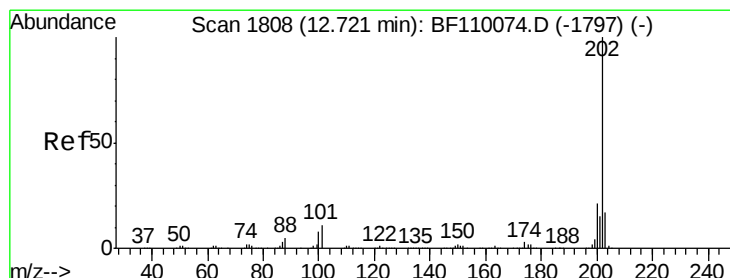
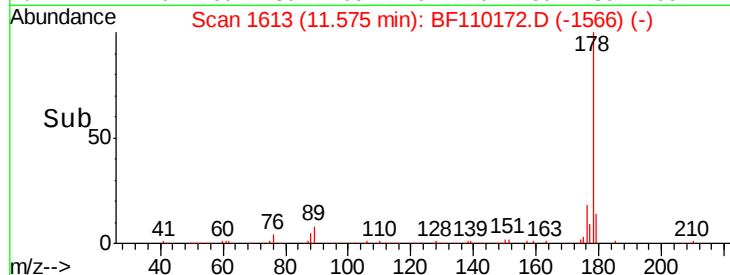
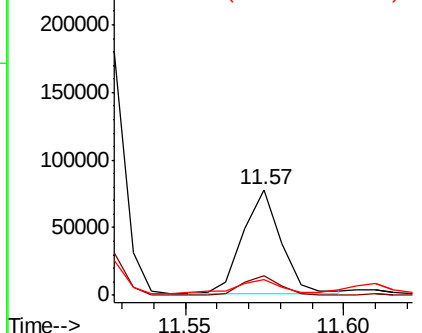


Abundance

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: 11.345 ng

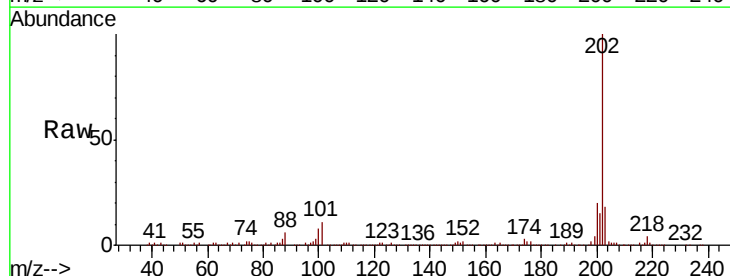
RT: 12.72 min Scan# 1807

Delta R.T. -0.02 min

Lab File: BF110172.D

Acq: 25 Oct 2018 20:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100		305842		
101	11.5	0.0	31.4		
203	17.8	0.0	37.7		

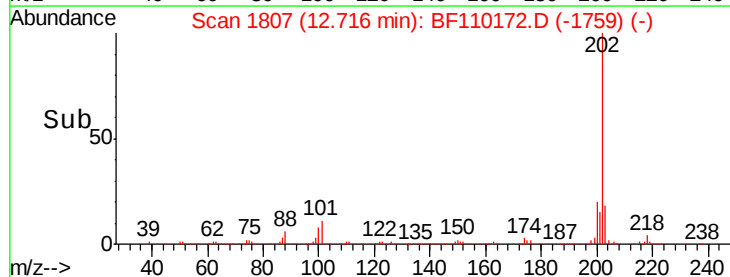
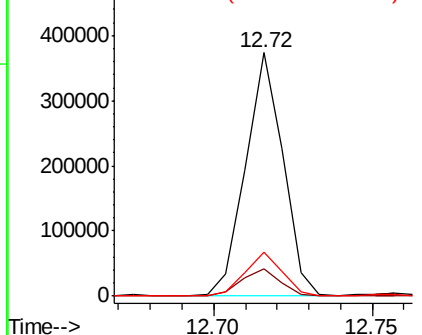


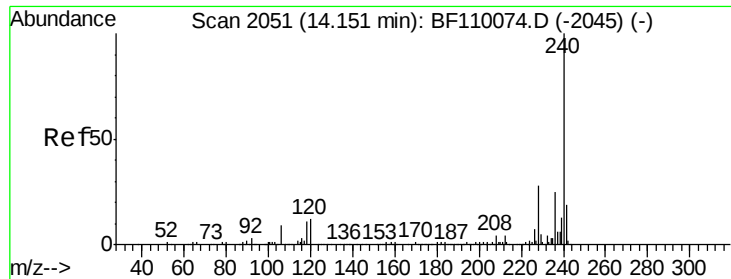
Abundance

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





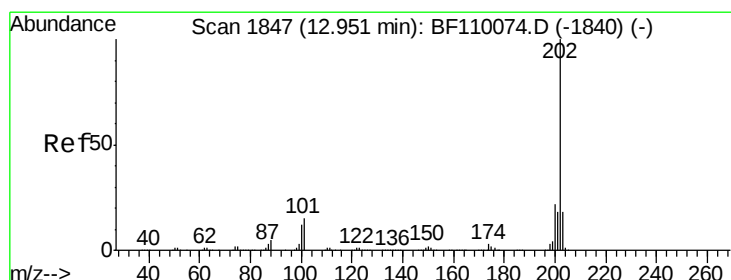
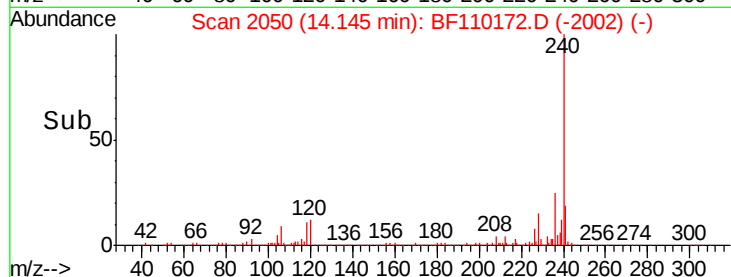
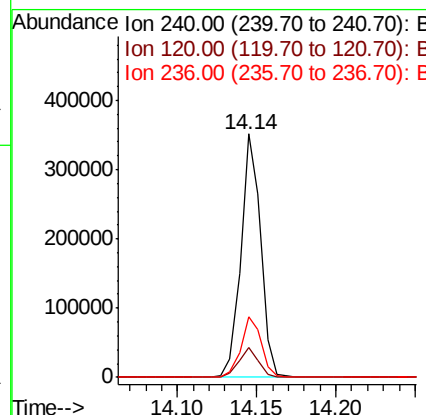
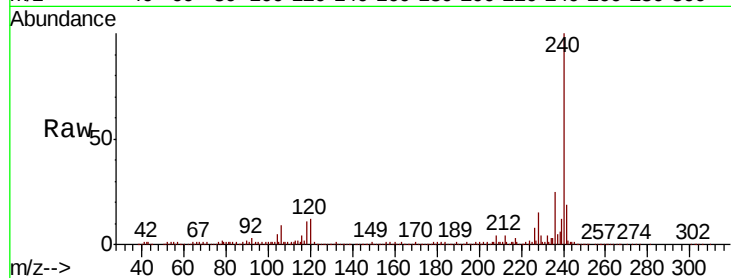
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.02 min
Lab File: BF110172.D
Acq: 25 Oct 2018 20:39

Instrument :
BNA_F
ClientSampleId :
DW-02

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.3	8.3	12.5
236	25.0	21.2	31.8

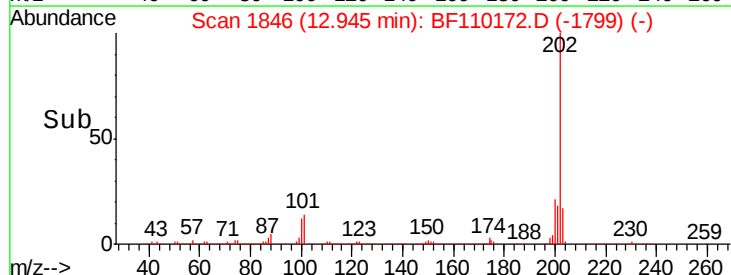
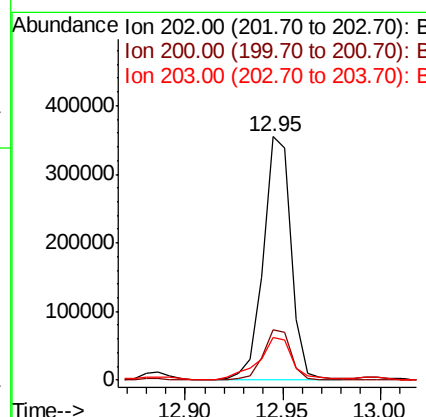
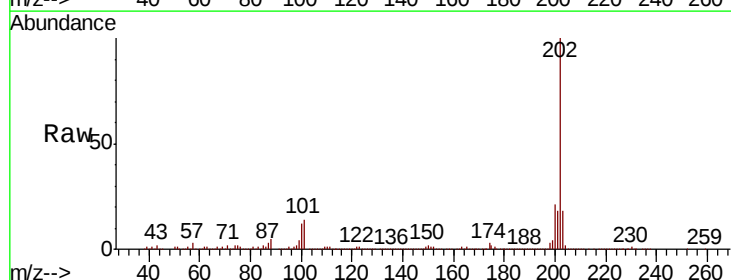
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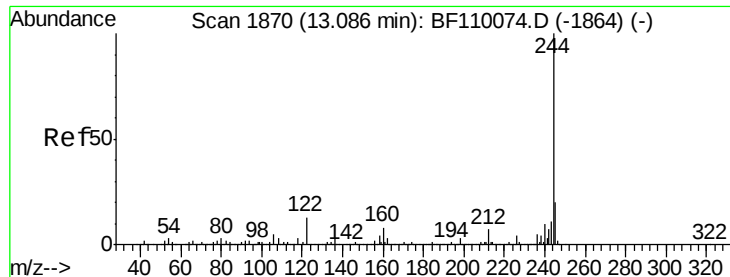
Sohil
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#78
Pyrene
Concen: 16.018 ng
RT: 12.95 min Scan# 1846
Delta R.T. -0.02 min
Lab File: BF110172.D
Acq: 25 Oct 2018 20:39

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.8	26.6
203	17.7	14.2	21.4





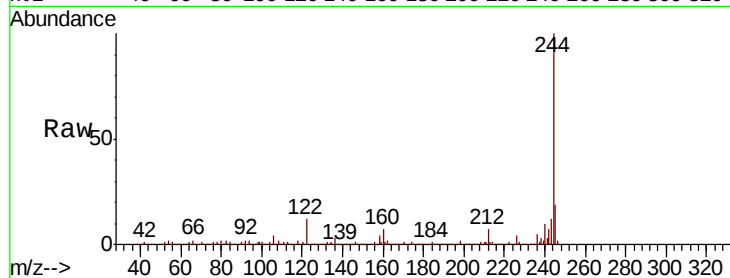
#79
 Terphenyl-d14
 Concen: 62.579 ng
 RT: 13.09 min Scan# 1870
 Delta R.T. -0.02 min
 Lab File: BF110172.D
 Acq: 25 Oct 2018 20:39

Instrument :
 BNA_F
 ClientSampleID :
 DW-02

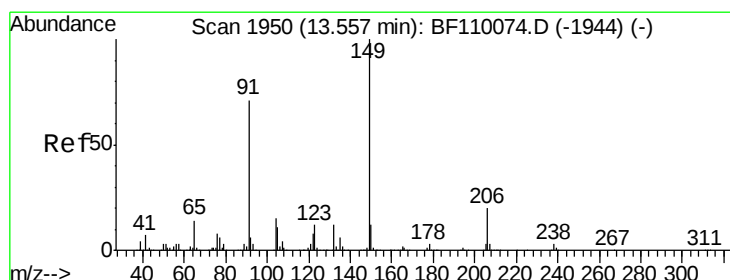
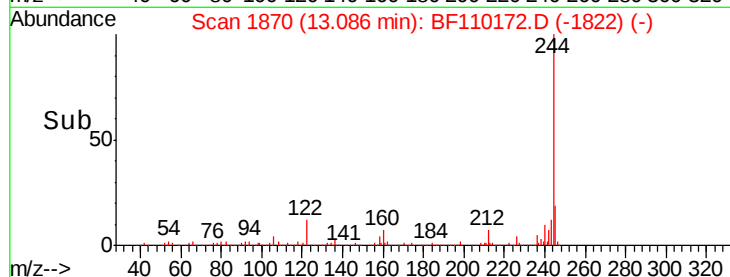
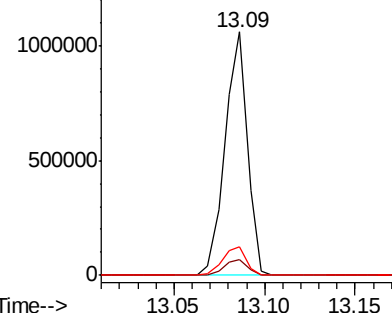
Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.7	5.8	8.8	
122	11.6	8.7	13.1	

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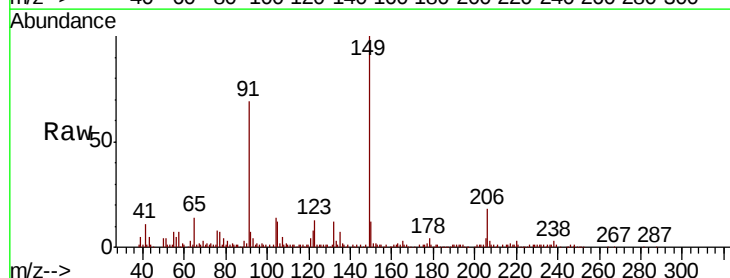


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

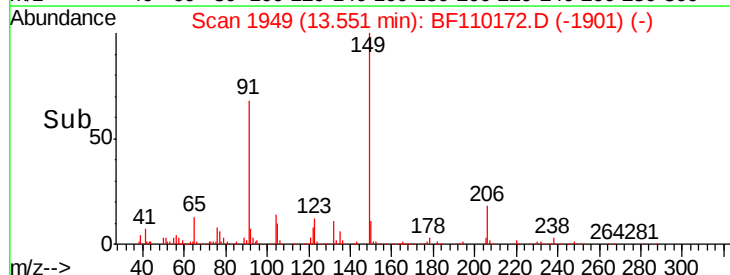
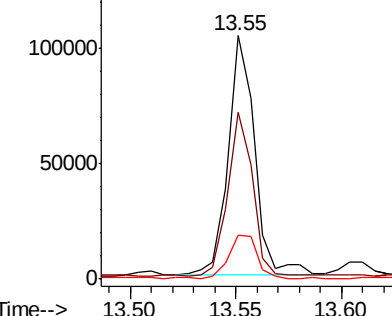


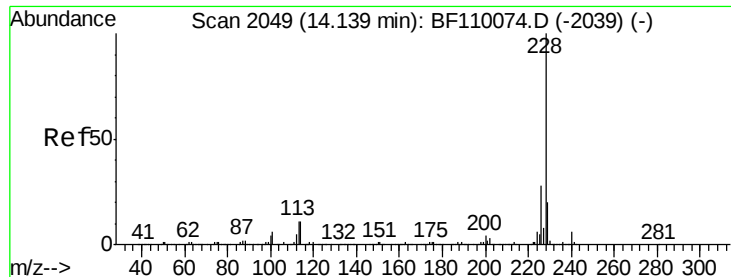
#80
 Butylbenzylphthalate
 Concen: 9.590 ng
 RT: 13.55 min Scan# 1949
 Delta R.T. -0.02 min
 Lab File: BF110172.D
 Acq: 25 Oct 2018 20:39

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
91	68.5	57.2	85.8	
206	18.0	15.7	23.5	



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 91.00 (90.70 to 91.70): BF1
 Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 9.860 ng

RT: 14.13 min Scan# 2048

Delta R.T. -0.02 min

Lab File: BF110172.D

Acq: 25 Oct 2018 20:39

Instrument :

BNA_F

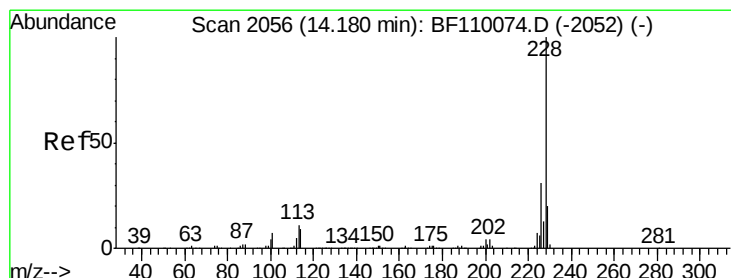
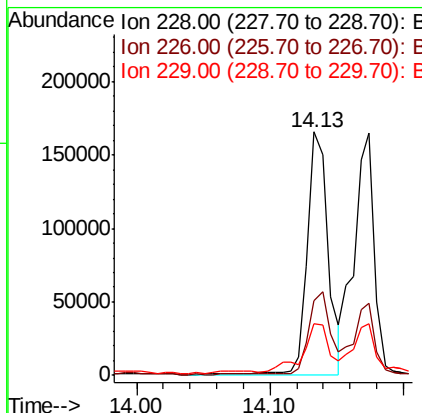
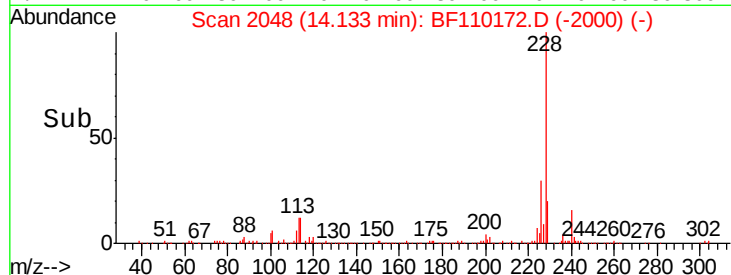
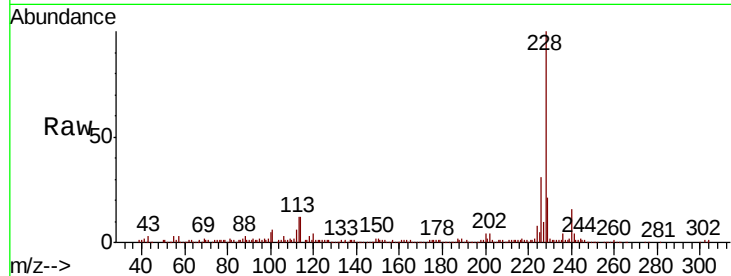
ClientSampled :

DW-02

Tot Ion:	228	Resp:	176654
Ion Ratio	Lower	Upper	
228	100		
226	30.7	22.1	33.1
229	21.4	15.6	23.4

Manual Integrations
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#83

Chrysene

Concen: 10.296 ng

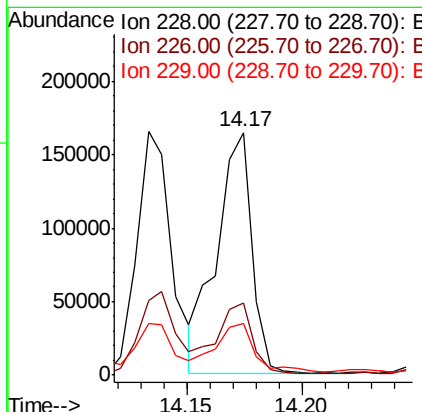
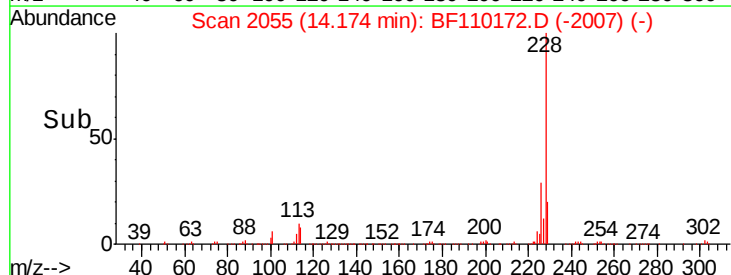
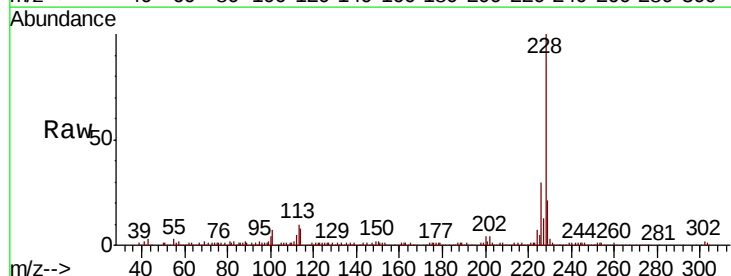
RT: 14.17 min Scan# 2055

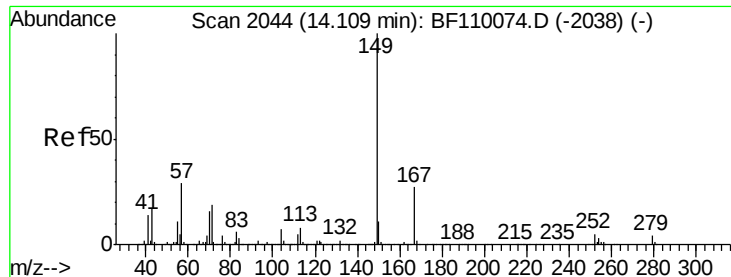
Delta R.T. -0.02 min

Lab File: BF110172.D

Acq: 25 Oct 2018 20:39

Tgt Ion:	228	Resp:	175201
Ion Ratio	Lower	Upper	
228	100		
226	29.9	24.7	37.1
229	21.4	15.9	23.9





#84

Bis(2-ethylhexyl)phthalate

Concen: 5.299 ng

RT: 14.10 min Scan# 2043

Delta R.T. -0.02 min

Lab File: BF110172.D

Acq: 25 Oct 2018 20:39

Instrument :

BNA_F

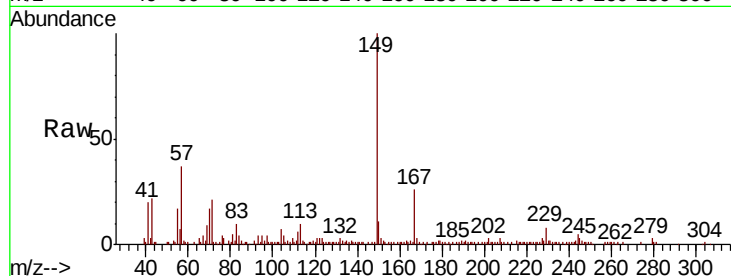
ClientSampled :

DW-02

Tot Ion:	149	Resp:	67344
Ion Ratio	Lower	Upper	
149	100		
167	26.1	19.8	29.8
279	3.2	2.7	4.1

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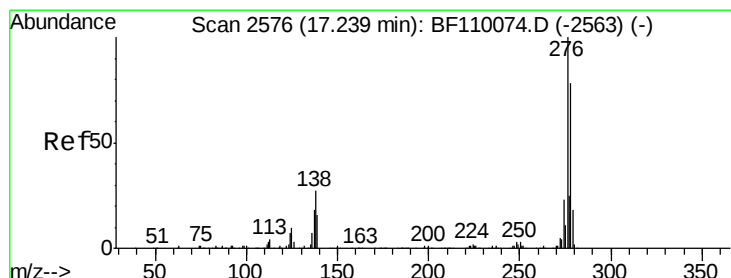
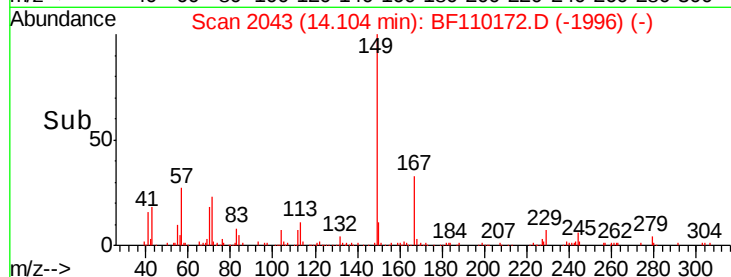
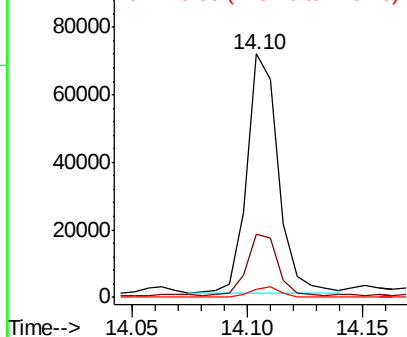


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 7.138 ng

RT: 17.23 min Scan# 2574

Delta R.T. -0.04 min

Lab File: BF110172.D

Acq: 25 Oct 2018 20:39

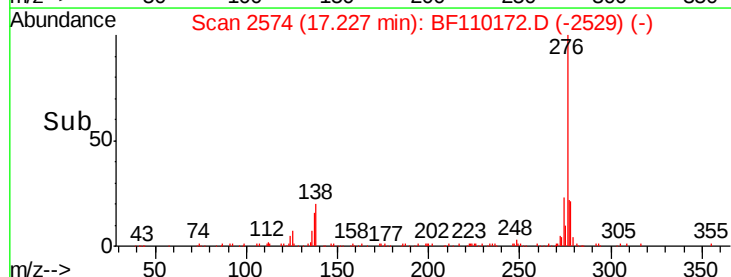
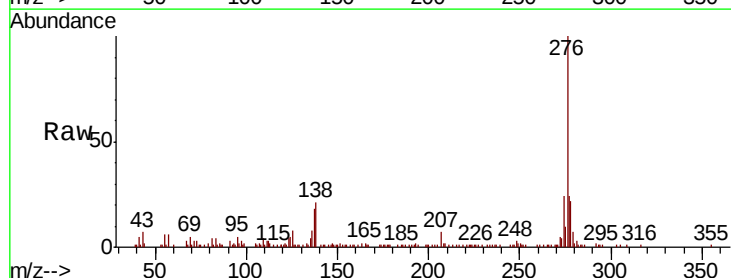
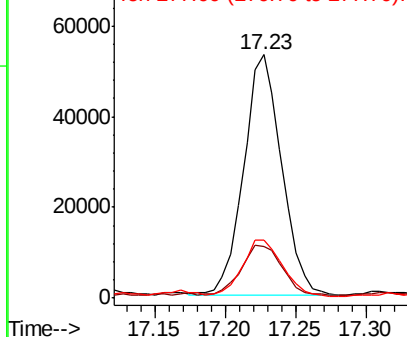
Tgt Ion:	276	Resp:	100767
Ion Ratio	Lower	Upper	
276	100		
138	22.6	18.5	27.7
277	24.5	20.0	30.0

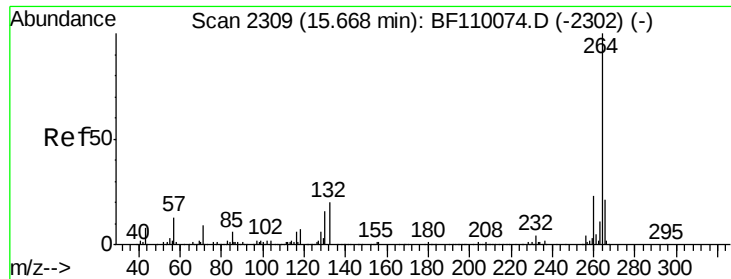
Abundance

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

Pervlene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2310

Delta R.T. -0.02 min

Lab File: BF110172.D

Acq: 25 Oct 2018 20:39

Instrument :

BNA_F

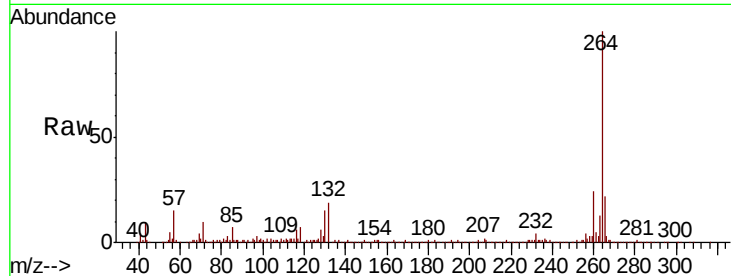
ClientSampleId :

DW-02

Tot Ion:	264	Resp:	291672
Ion Ratio	Lower	Upper	
264	100		
260	23.8	18.7	28.1
265	22.1	16.7	25.1

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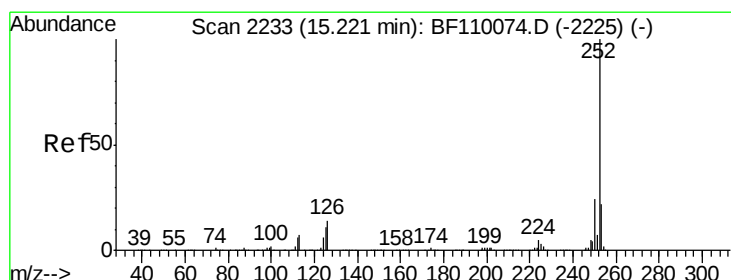
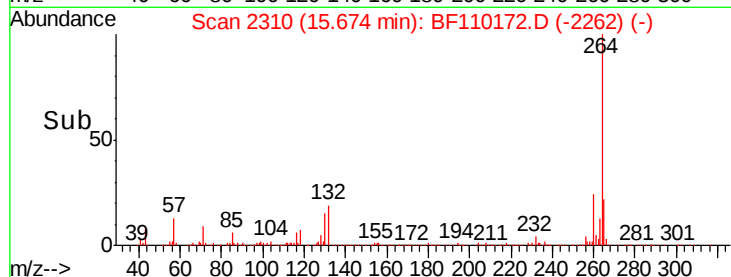
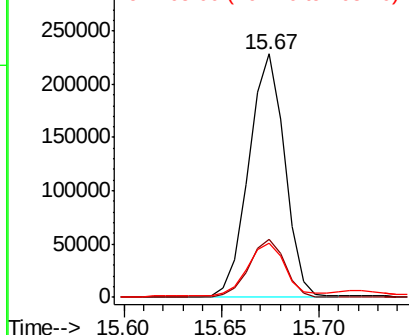


Abundance

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: 14.206 ng m

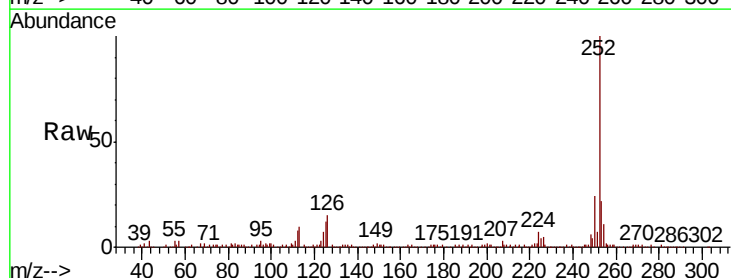
RT: 15.22 min Scan# 2232

Delta R.T. -0.02 min

Lab File: BF110172.D

Acq: 25 Oct 2018 20:39

Tgt Ion:	252	Resp:	239271
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.2	25.8
125	11.6	8.2	12.4

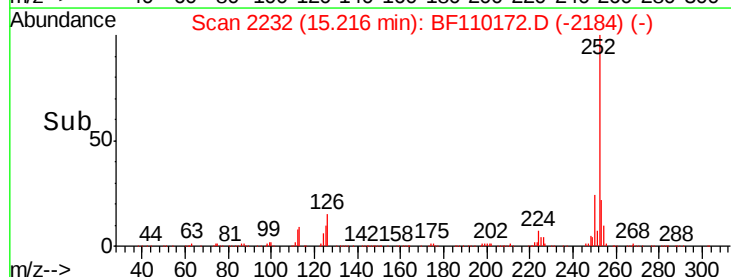
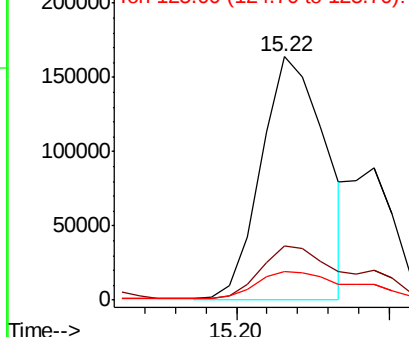


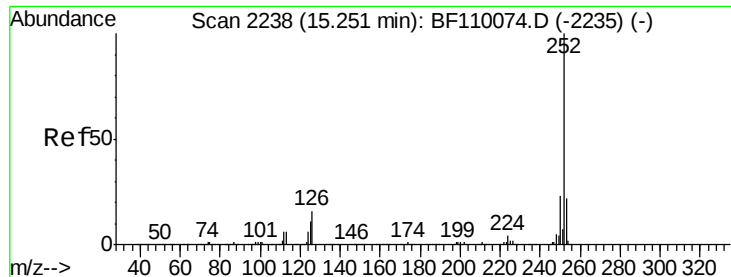
Abundance

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





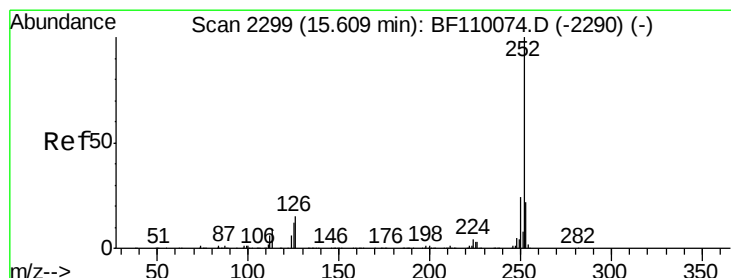
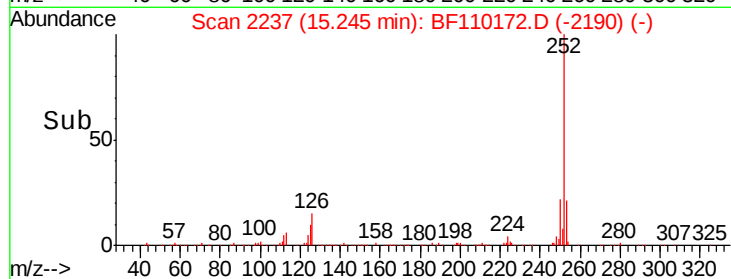
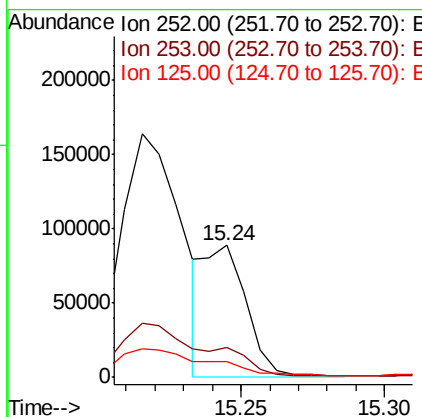
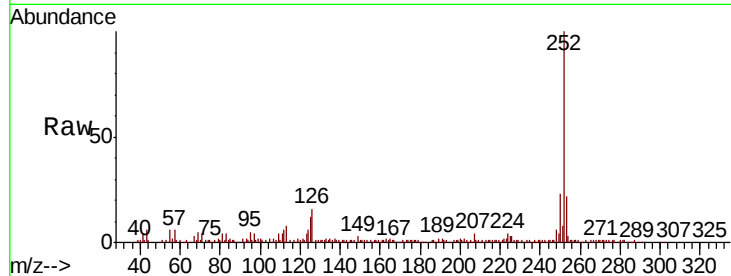
#89
Benzo(k)fluoranthene
Concen: 5.485 ng m
RT: 15.24 min Scan# 2237
Delta R.T. -0.02 min
Lab File: BF110172.D
Acq: 25 Oct 2018 20:39

Instrument :
BNA_F
ClientSampled :
DW-02

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.2	25.8
125	11.9	7.4	11.0

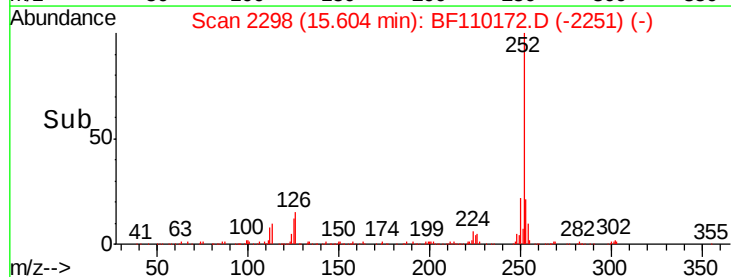
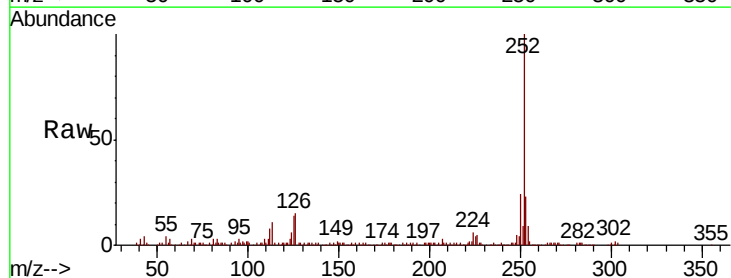
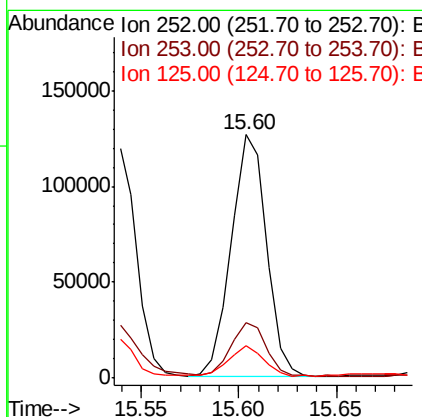
Manual Integrations
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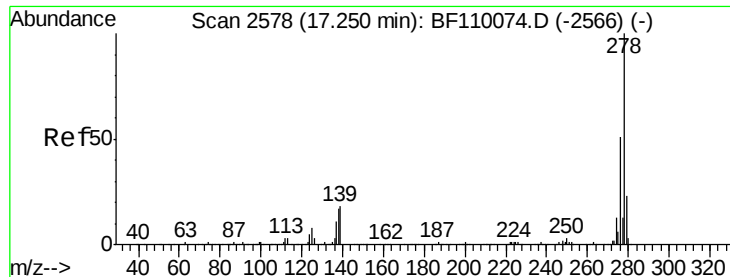
Sohil
10/26/2018 3:49:22 PM



#90
Benzo(a)pyrene
Concen: 10.233 ng
RT: 15.60 min Scan# 2298
Delta R.T. -0.02 min
Lab File: BF110172.D
Acq: 25 Oct 2018 20:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.4
125	13.5	9.0	13.6





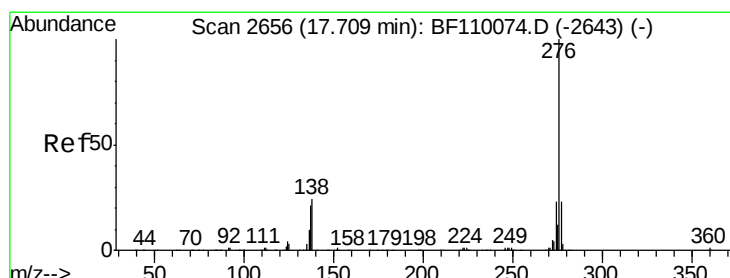
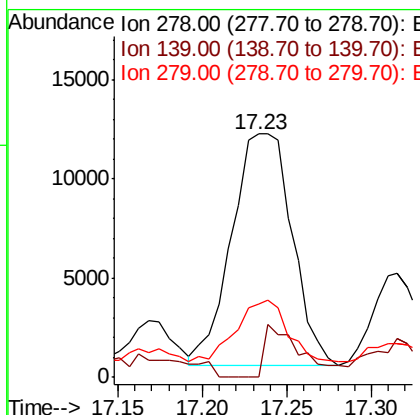
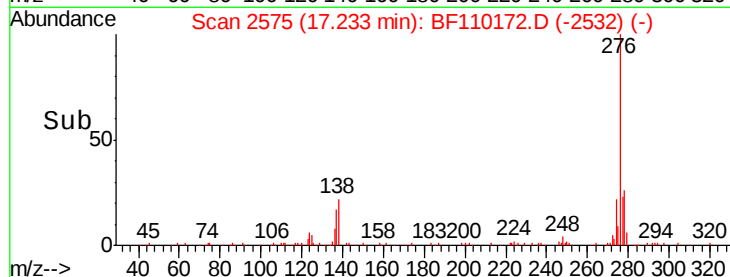
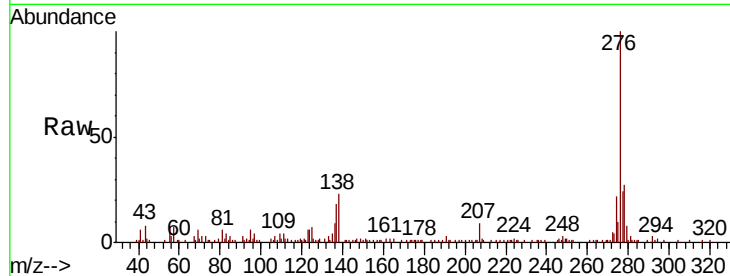
#91
Dibenzo(a,h)anthracene
Concen: 2.175 ng
RT: 17.23 min Scan# 2575
Delta R.T. -0.05 min
Lab File: BF110172.D
Acq: 25 Oct 2018 20:39

Instrument :
BNA_F
ClientSampleId :
DW-02

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.7	19.1#
279	30.2	19.0	28.4#

Manual Integrations
APPROVED

Sohil
10/26/2018 3:49:22 PM



#92
Benzo(g,h,i)perylene
Concen: 7.283 ng
RT: 17.70 min Scan# 2655
Delta R.T. -0.04 min
Lab File: BF110172.D
Acq: 25 Oct 2018 20:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	20.8	18.8	28.2
138	22.6	16.0	24.0

