

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\
 Data File : BF110173.D
 Acq On : 25 Oct 2018 21:07
 Operator : JU/SJ
 Sample : J5625-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DW-03

Manual Integrations
 APPROVED

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

Quant Time: Oct 26 04:54:05 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	147693	20.00	ng	-0.02
21) Naphthalene-d8	8.25	136	590517	20.00	ng	-0.02
39) Acenaphthene-d10	10.00	164	262481	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	419272	20.00	ng	-0.02
76) Chrysene-d12	14.14	240	271113	20.00	ng	-0.02
87) Perylene-d12	15.67	264	244178	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	859197	94.73	ng	0.00
7) Phenol-d6	6.59	99	1099510	94.78	ng	-0.02
23) Nitrobenzene-d5	7.53	82	698365	70.15	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	222734	85.67	ng	-0.02
45) 2-Fluorobiphenyl	9.32	172	1141344	68.28	ng	-0.02
79) Terphenyl-d14	13.09	244	770120	59.08	ng	-0.02
Target Compounds						
10) Phenol	6.60	94	127092	10.249	ng	Qvalue # 69
37) 2-Methylnaphthalene	8.96	142	37828	2.101	ng	98
50) Dimethylphthalate	9.72	163	208977	10.786	ng	99
71) Phenanthrene	11.52	178	144529	6.588	ng	99
72) Anthracene	11.57	178	51520	2.343	ng	99
75) Fluoranthene	12.72	202	266481	11.969	ng	100
78) Pyrene	12.94	202	297240	15.293	ng	99
80) Butylbenzylphthalate	13.55	149	19782	2.345	ng	99
81) Benzo(a)anthracene	14.13	228	163568	10.174	ng	94
83) Chrysene	14.17	228	162670	10.653	ng	99
84) Bis(2-ethylhexyl)phthalate	14.10	149	34737	3.046	ng	# 98
86) Indeno(1,2,3-cd)pyrene	17.22	276	71028	5.607	ng	97
88) Benzo(b)fluoranthene	15.22	252	228466m	16.203	ng	
89) Benzo(k)fluoranthene	15.24	252	51810m	3.738	ng	
90) Benzo(a)pyrene	15.60	252	122056	9.407	ng	# 97
92) Benzo(g,h,i)perylene	17.70	276	73129	6.629	ng	# 90

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

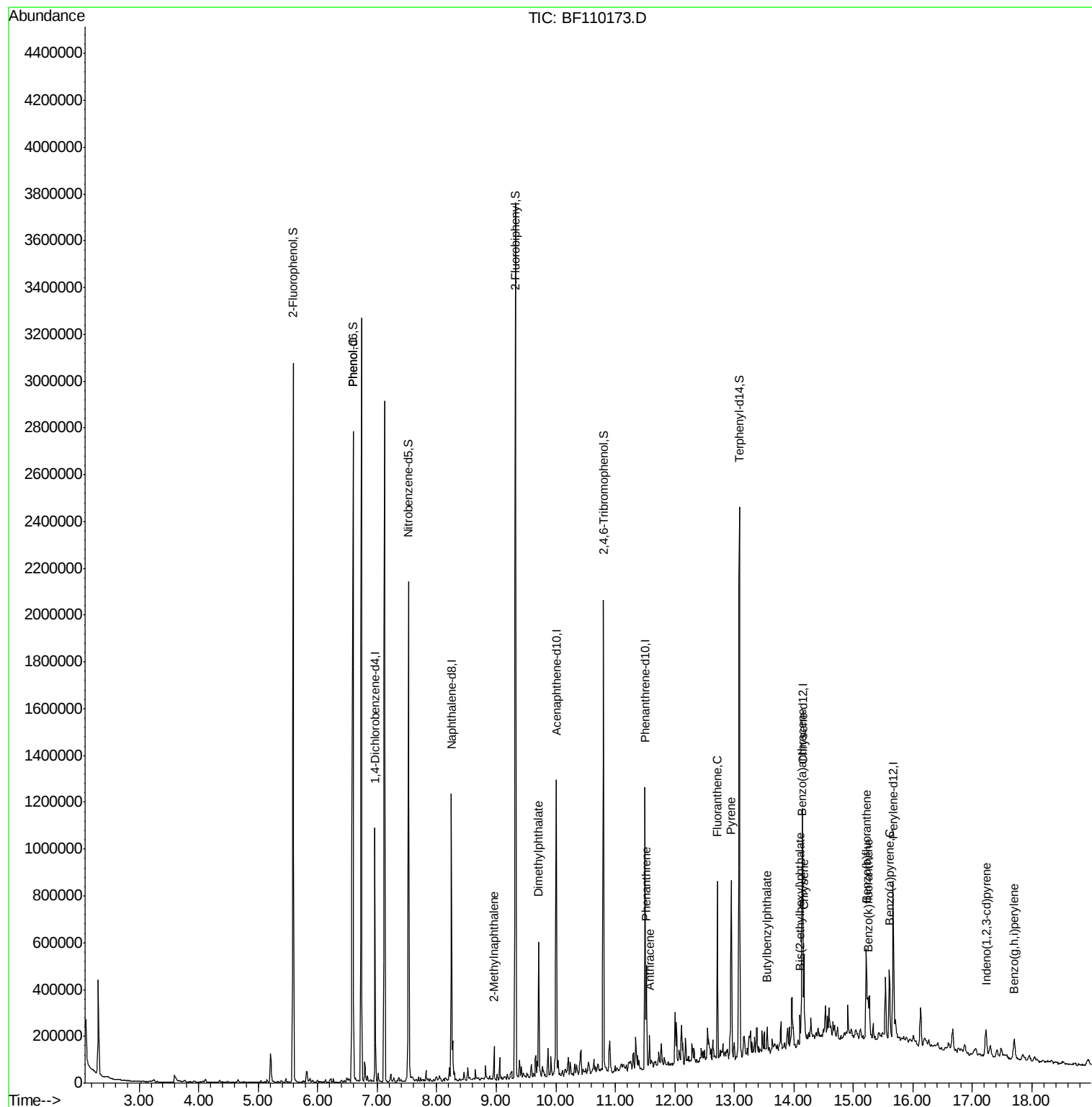
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
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#1

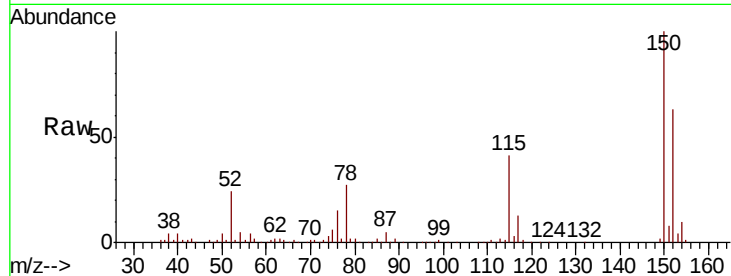
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 829
Delta R.T. -0.02 min
Lab File: BF110173.D
Acq: 25 Oct 2018 21:07

Instrument :
BNA_F
ClientSampled :
DW-03

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.7	122.7	184.1
115	64.9	49.1	73.7

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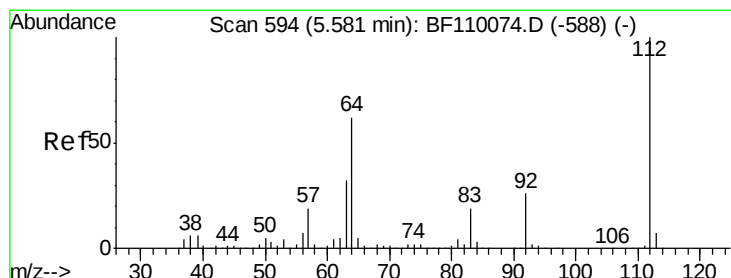
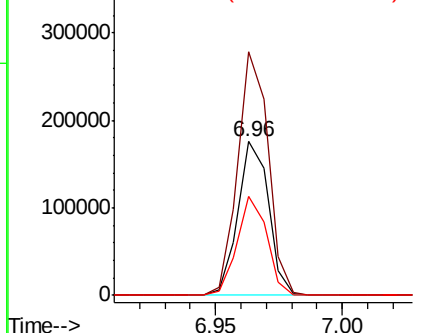
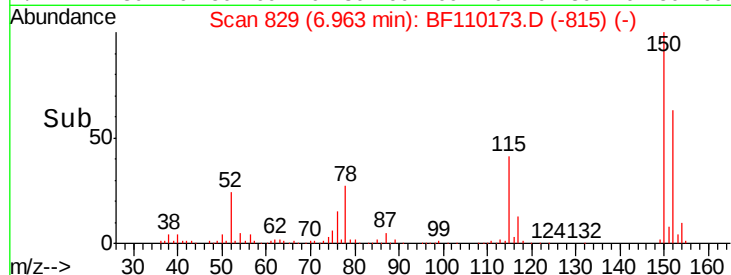


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

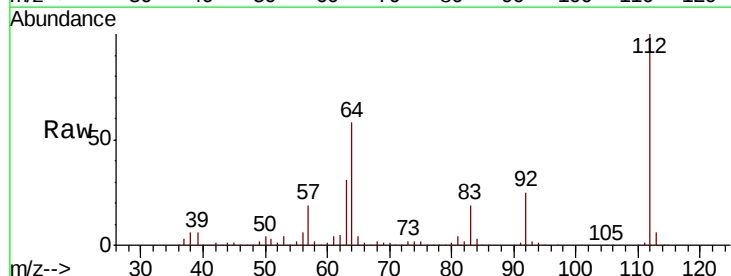
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 94.734 ng
RT: 5.59 min Scan# 596
Delta R.T. -0.01 min
Lab File: BF110173.D
Acq: 25 Oct 2018 21:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.3	44.1	66.1
63	31.4	23.7	35.5

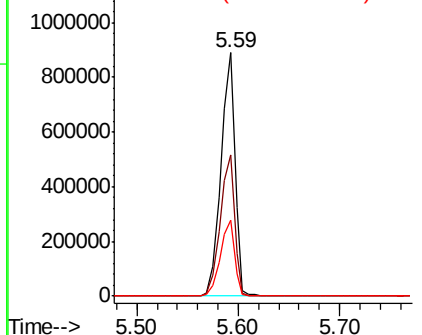
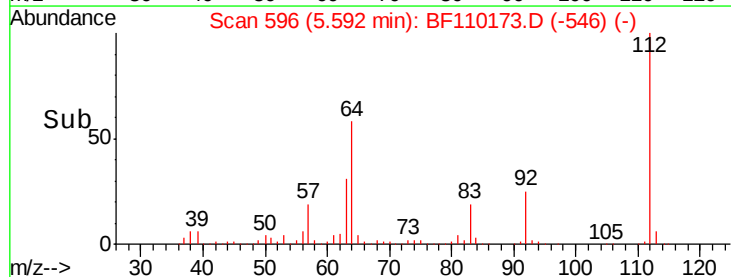


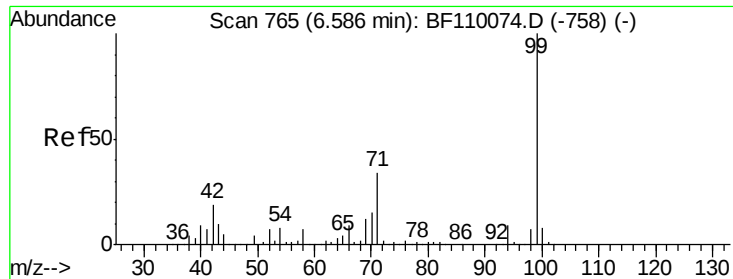
Abundance

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: 94.780 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.02 min

Lab File: BF110173.D

Acq: 25 Oct 2018 21:07

Instrument :

BNA_F

ClientSampleId :

DW-03

Tot Ion: 99 Resp: 1099510

Ion Ratio Lower Upper

99 100

42 19.6 15.8 23.6

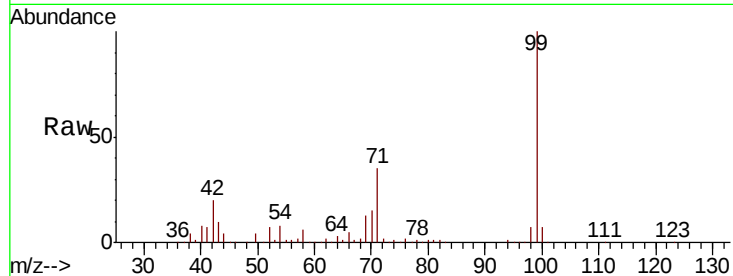
71 34.8 28.0 42.0

Manual Integrations

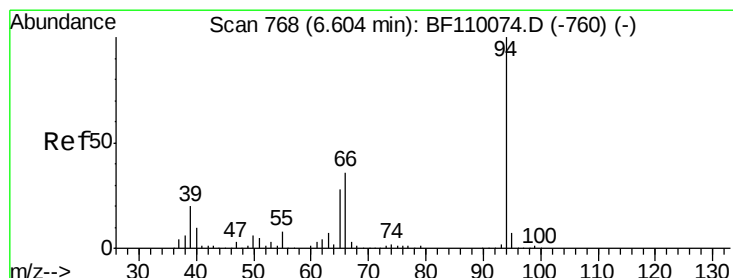
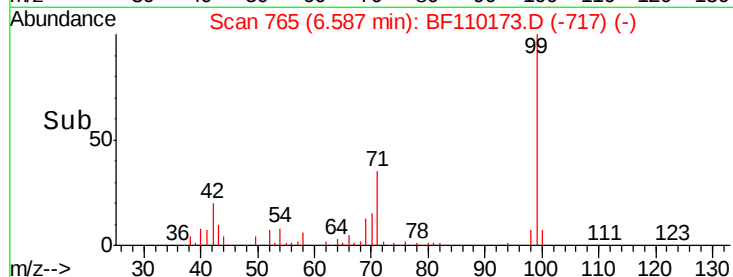
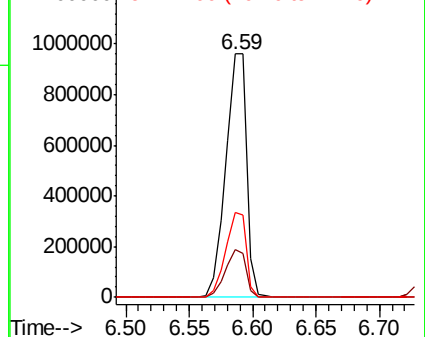
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 10.249 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.02 min

Lab File: BF110173.D

Acq: 25 Oct 2018 21:07

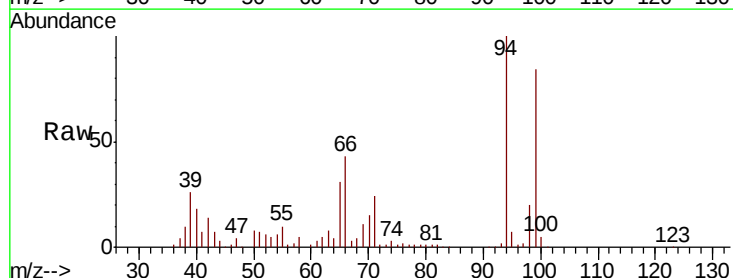
Tgt Ion: 94 Resp: 127092

Ion Ratio Lower Upper

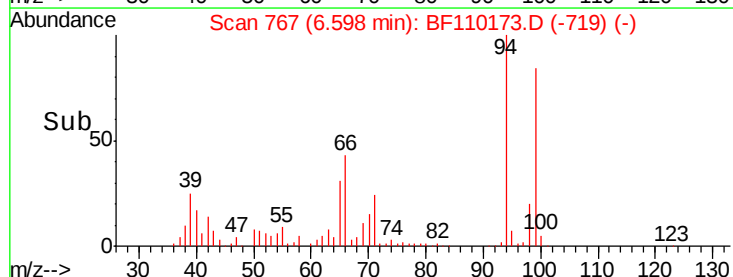
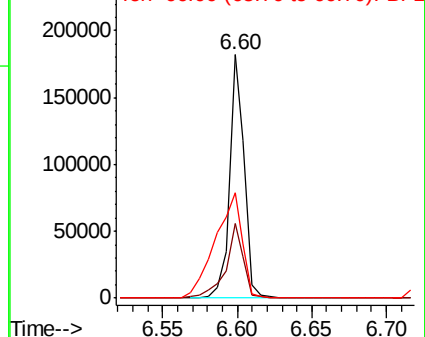
94 100

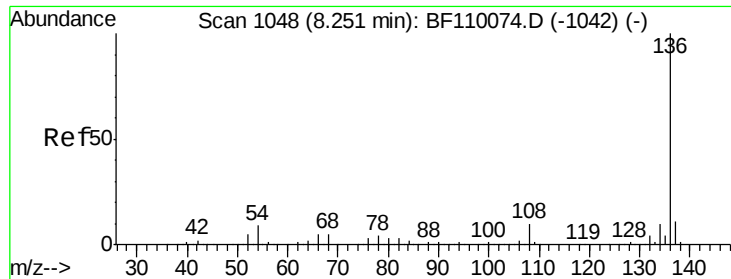
65 30.6 25.3 65.3

66 43.2 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: 8.25 min Scan# 1047

Delta R.T. -0.02 min

Lab File: BF110173.D

Acq: 25 Oct 2018 21:07

Instrument :

BNA_F

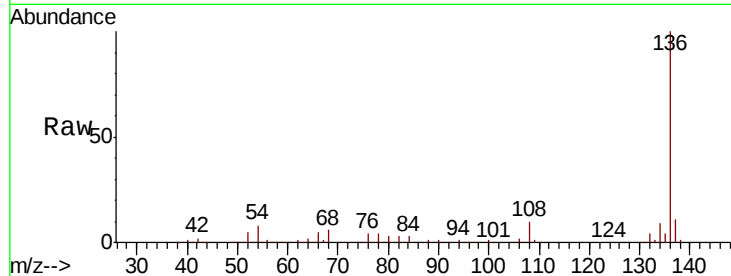
ClientSampleID :

DW-03

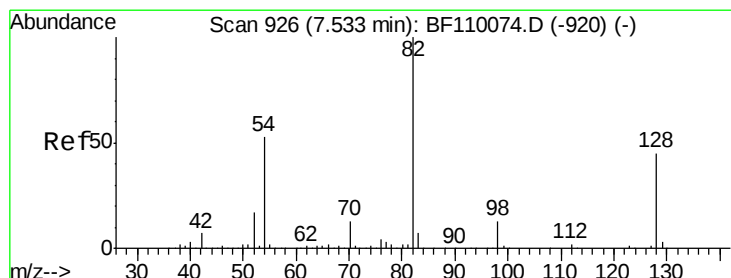
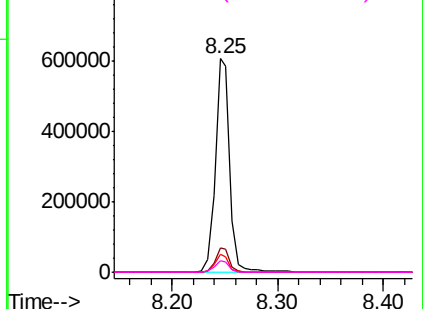
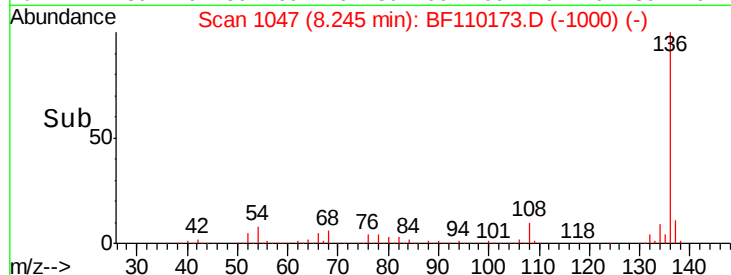
Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.2	8.8	13.2
54	8.5	5.4	8.2
68	5.7	4.2	6.2

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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: 70.146 ng

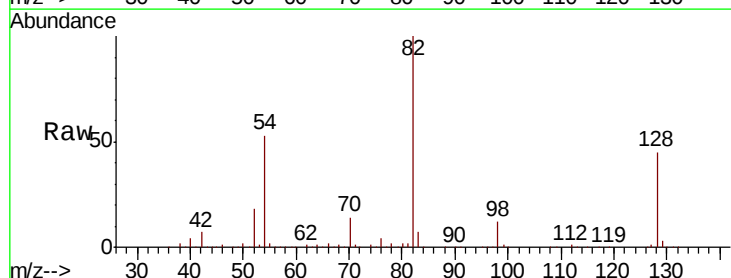
RT: 7.53 min Scan# 925

Delta R.T. -0.02 min

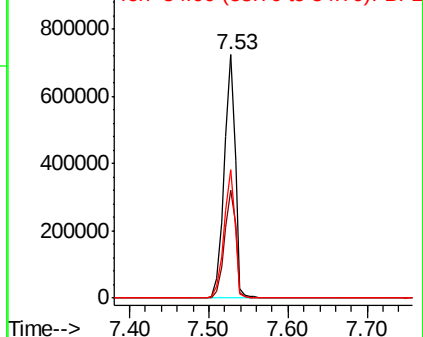
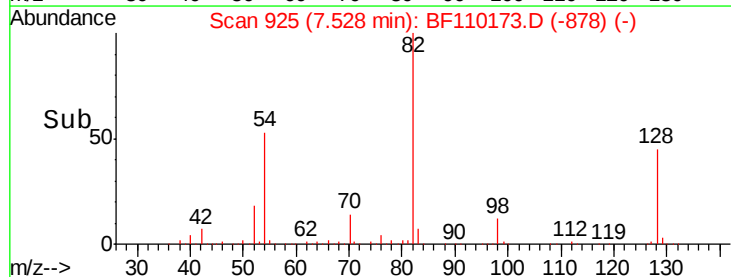
Lab File: BF110173.D

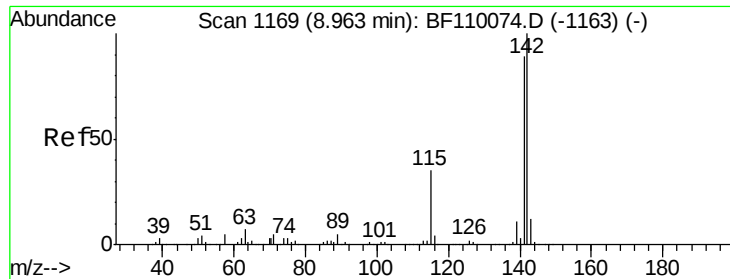
Acq: 25 Oct 2018 21:07

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	44.5	34.2	51.2
54	52.7	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





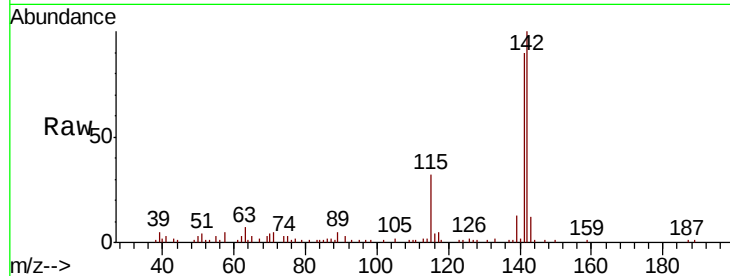
#37
2-Methylnaphthalene
Concen: 2.101 ng
RT: 8.96 min Scan# 1169
Delta R.T. -0.02 min
Lab File: BF110173.D
Acq: 25 Oct 2018 21:07

Instrument :
BNA_F
ClientSampleId :
DW-03

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.7	71.4	107.2
115	32.3	28.7	43.1

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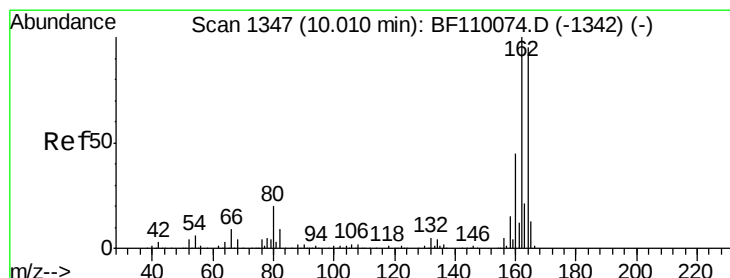
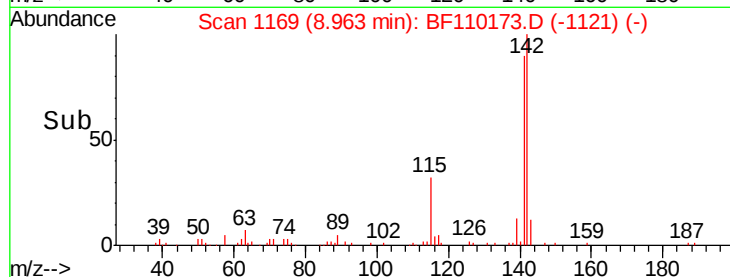
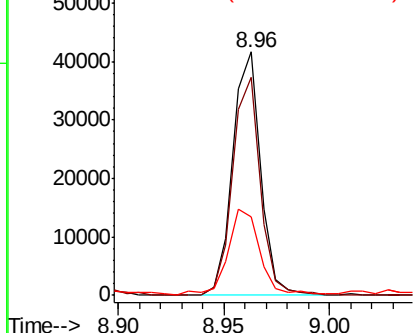


Abundance

Ion 142.00 (141.70 to 142.70): E

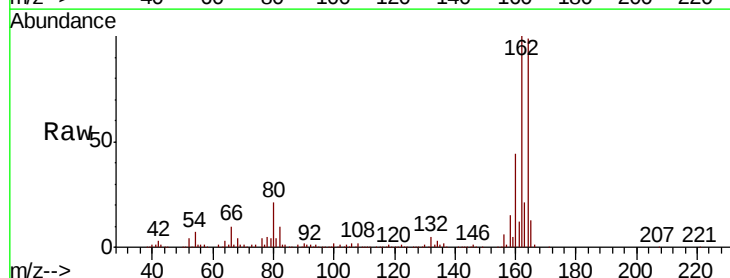
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.02 min
Lab File: BF110173.D
Acq: 25 Oct 2018 21:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.0	83.0	124.6
160	44.7	37.0	55.6

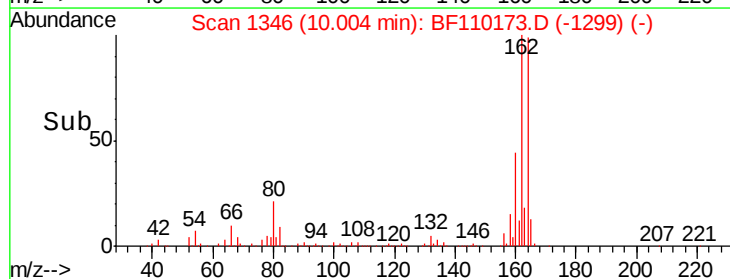
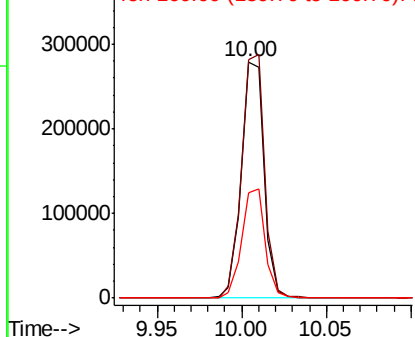


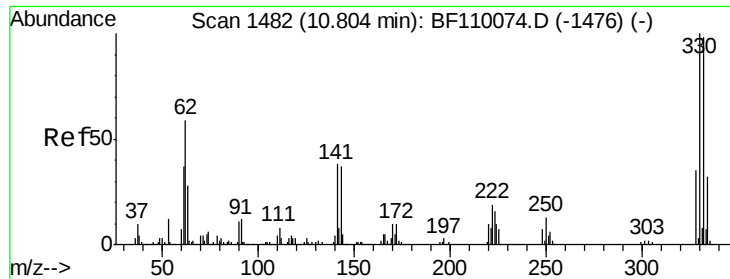
Abundance

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





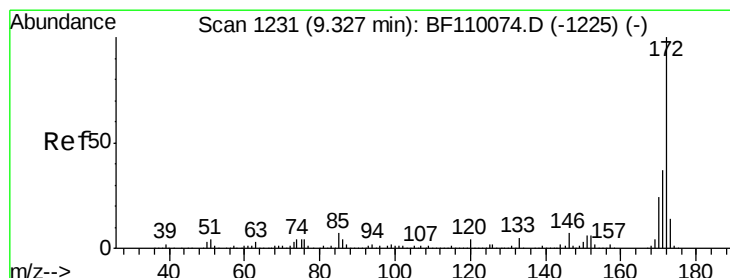
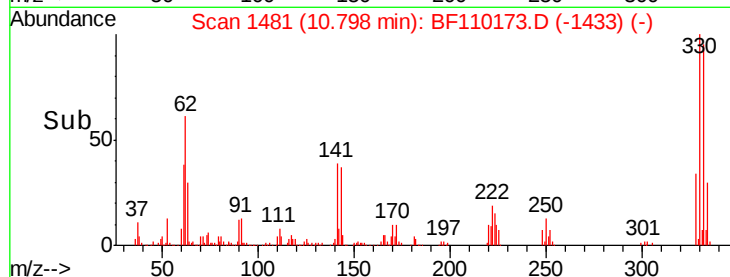
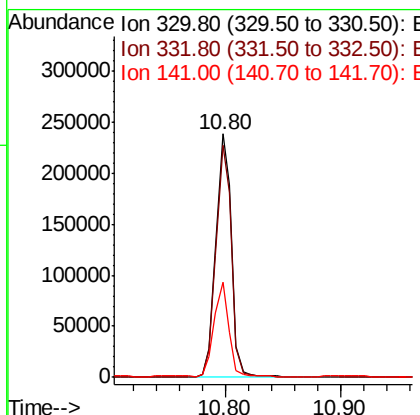
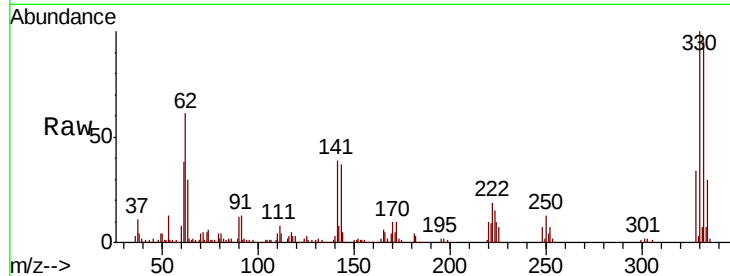
#42
 2,4,6-Tribromophenol
 Concen: 85.665 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.02 min
 Lab File: BF110173.D
 Acq: 25 Oct 2018 21:07

Instrument :
 BNA_F
 ClientSampleId :
 DW-03

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.1	115.7
141	37.0	27.0	40.4

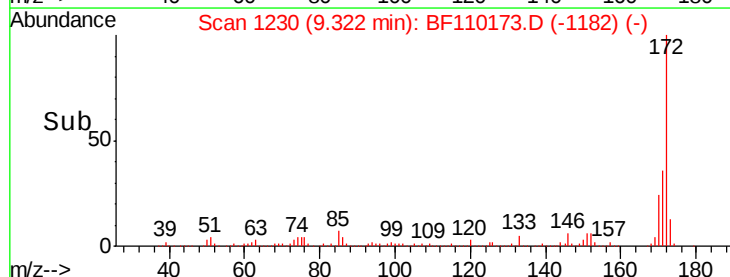
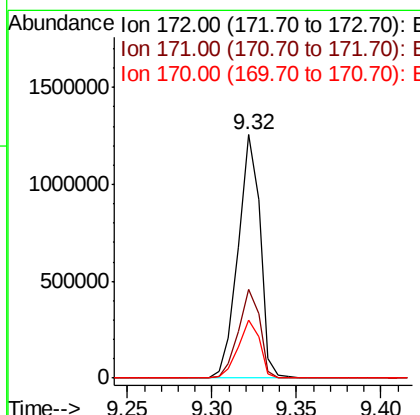
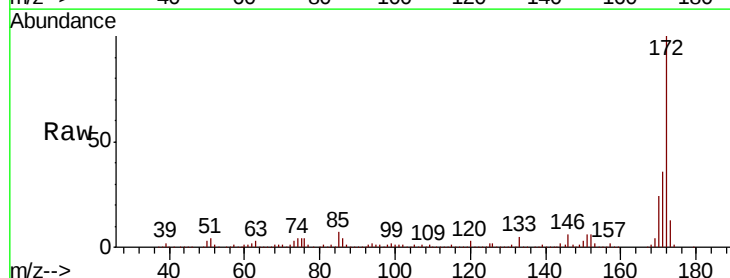
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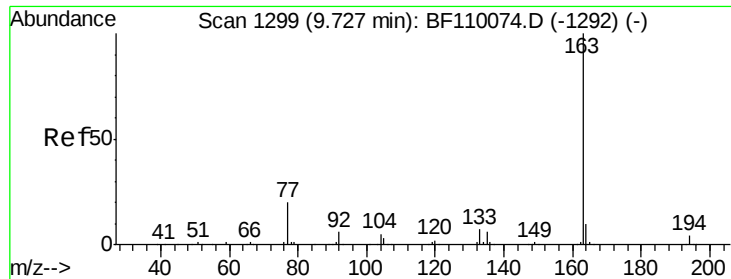
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#45
 2-Fluorobiphenyl
 Concen: 68.279 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.02 min
 Lab File: BF110173.D
 Acq: 25 Oct 2018 21:07

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





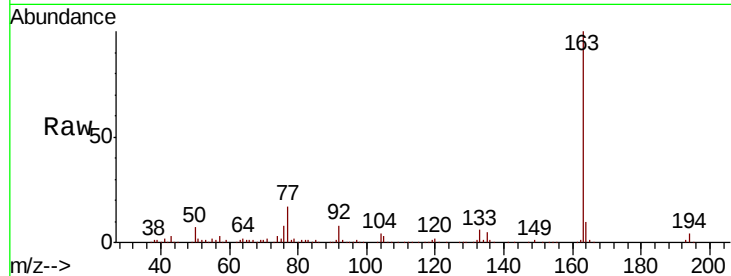
#50
Dimethylphthalate
Concen: 10.786 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF110173.D
Acq: 25 Oct 2018 21:07

Instrument :
BNA_F
ClientSampleId :
DW-03

Tot Ion	Ratio	Resp	Lower	Upper
163	100	208977		
194	3.7		3.2	4.8
164	9.8		8.1	12.1

Manual Integrations
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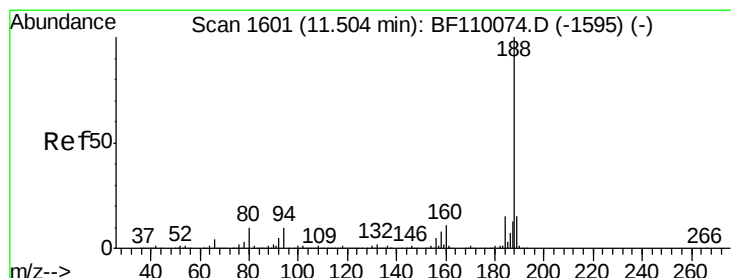
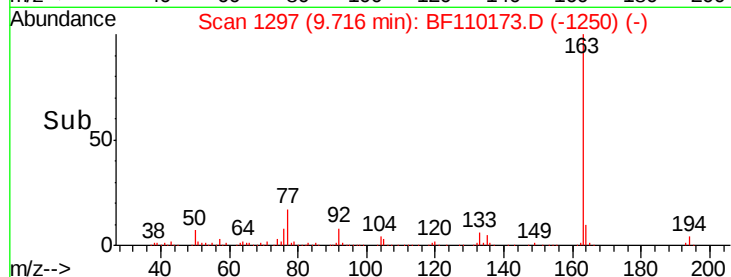
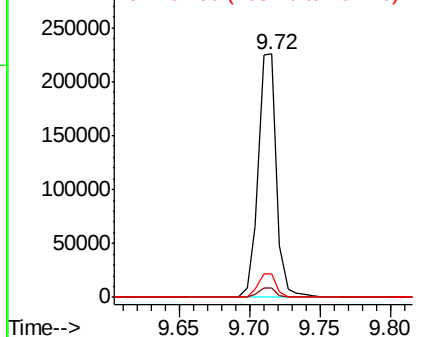


Abundance

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: 11.50 min Scan# 1600
Delta R.T. -0.02 min
Lab File: BF110173.D
Acq: 25 Oct 2018 21:07

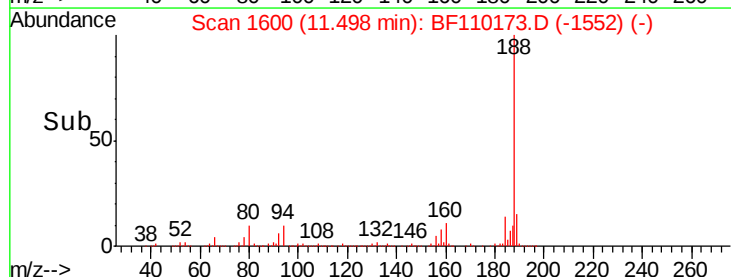
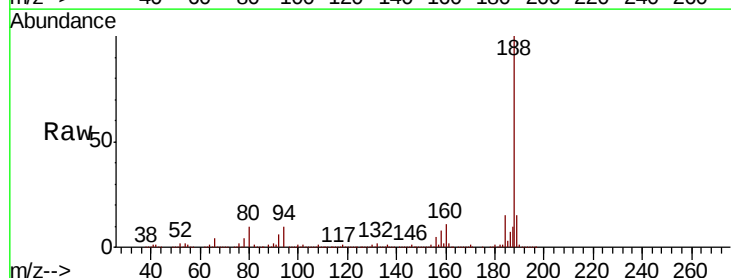
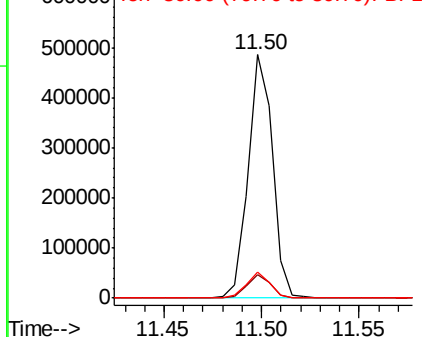
Tgt Ion	Ratio	Resp	Lower	Upper
188	100	419272		
94	9.7		7.2	10.8
80	10.5		7.9	11.9

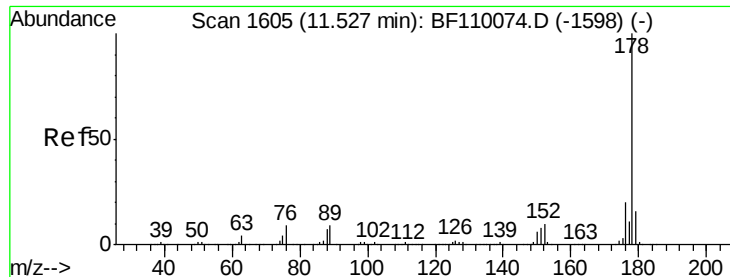
Abundance

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





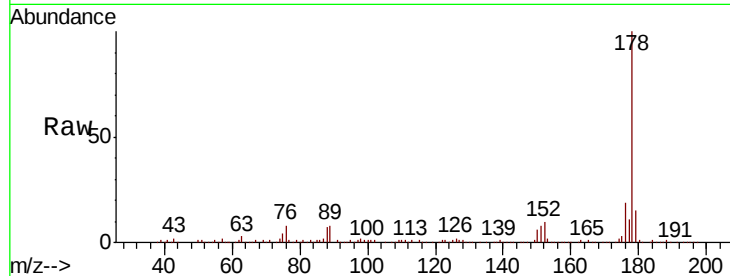
#71
Phenanthrene
Concen: 6.588 ng
RT: 11.52 min Scan# 1604
Delta R.T. -0.02 min
Lab File: BF110173.D
Acq: 25 Oct 2018 21:07

Instrument :
BNA_F
ClientSampled :
DW-03

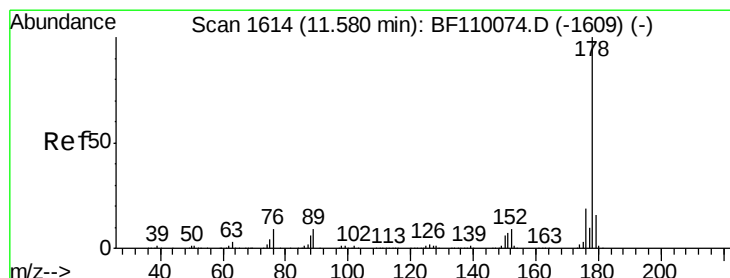
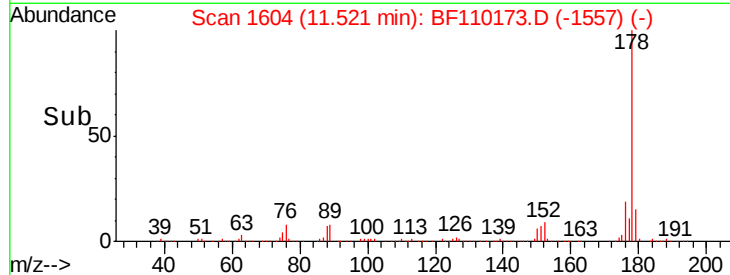
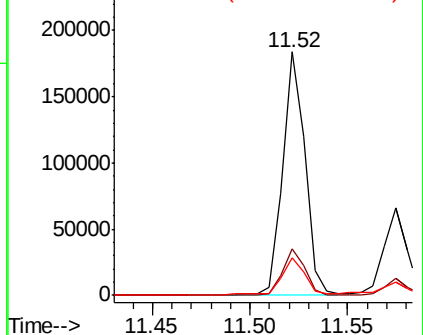
Tot Ion	Ion	Ratio	Resp	Lower	Upper
178	100				
176	19.2	15.5	23.3		
179	15.3	12.5	18.7		

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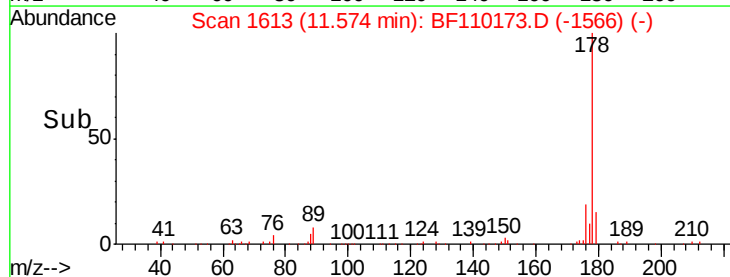
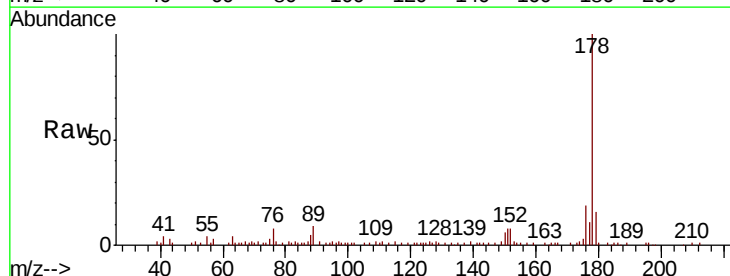
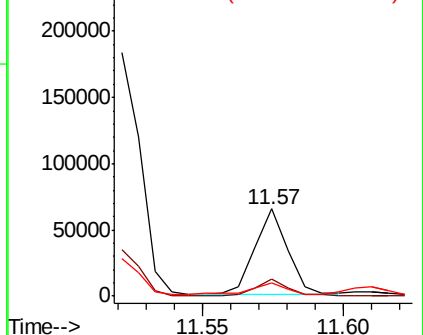
Abundance Ion 178.00 (177.70 to 178.70): E
250000
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

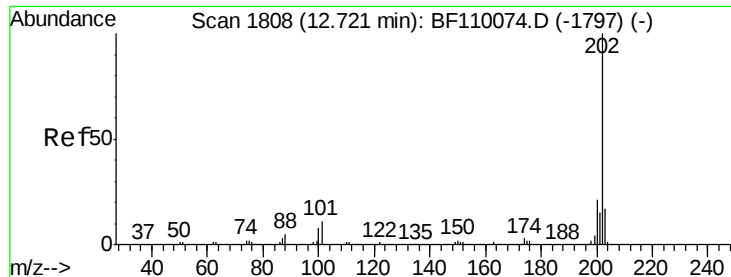


#72
Anthracene
Concen: 2.343 ng
RT: 11.57 min Scan# 1613
Delta R.T. -0.02 min
Lab File: BF110173.D
Acq: 25 Oct 2018 21:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
178	100				
176	19.0	15.4	23.2		
179	15.9	12.6	18.8		

Abundance Ion 178.00 (177.70 to 178.70): E
250000
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 11.969 ng

RT: 12.72 min Scan# 1807

Delta R.T. -0.02 min

Lab File: BF110173.D

Acq: 25 Oct 2018 21:07

Instrument :

BNA_F

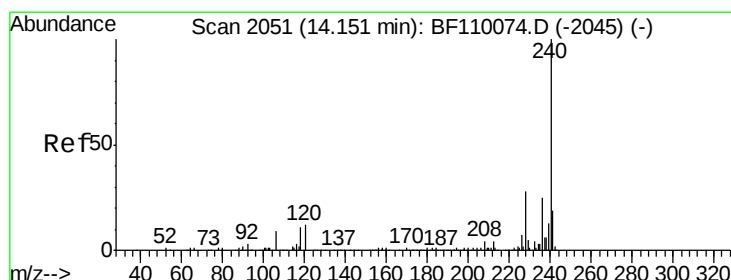
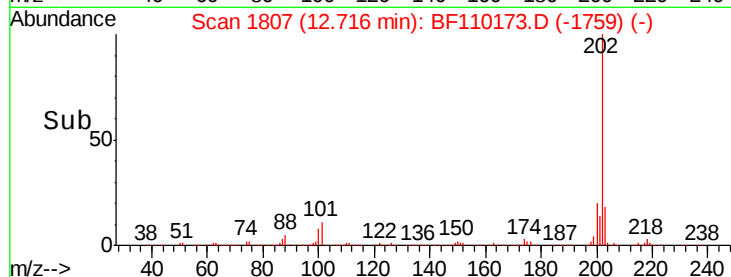
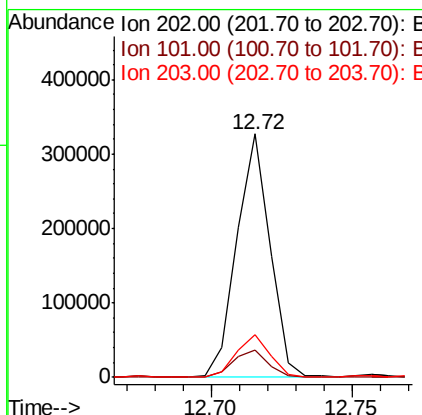
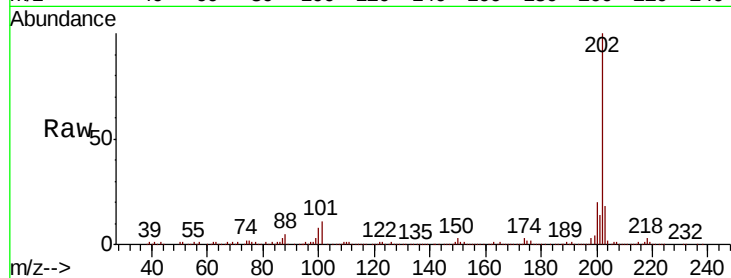
ClientSampled :

DW-03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		266481		
101	11.1	0.0	31.4		
203	17.7	0.0	37.7		

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#76

Chrysene-d12

Concen: 20.000 ng

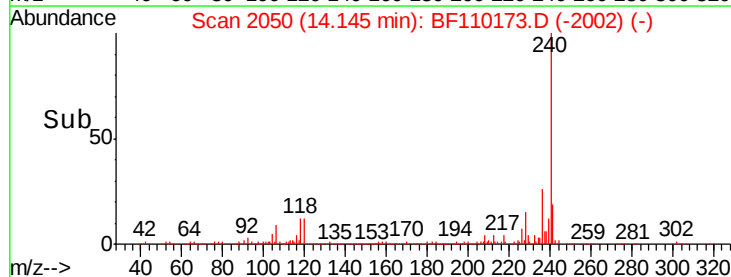
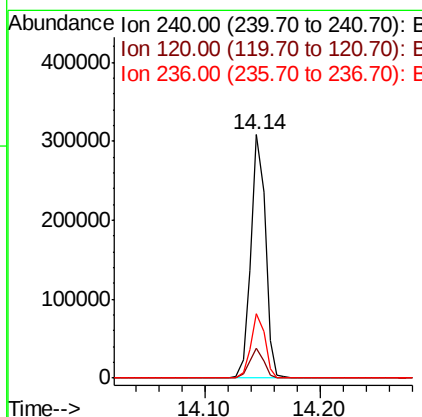
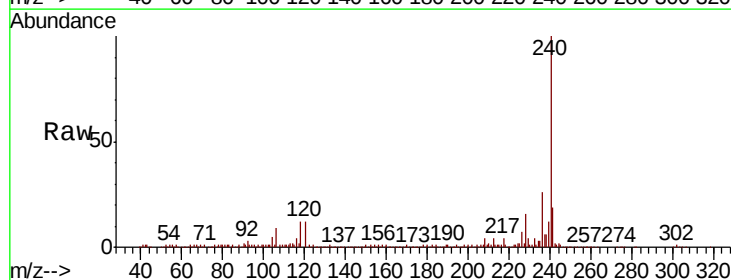
RT: 14.14 min Scan# 2050

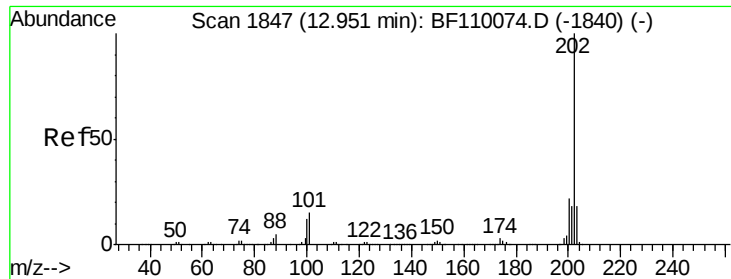
Delta R.T. -0.02 min

Lab File: BF110173.D

Acq: 25 Oct 2018 21:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		271113		
120	12.2	8.3	12.5		
236	26.4	21.2	31.8		





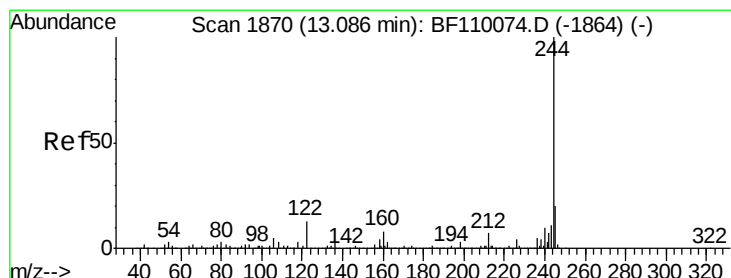
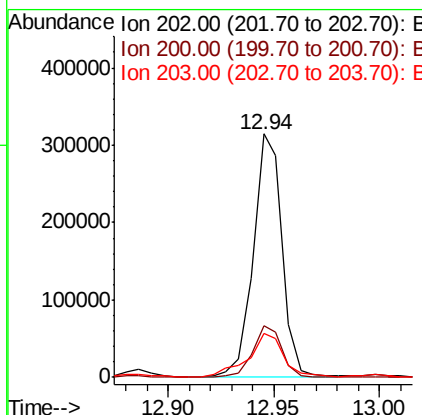
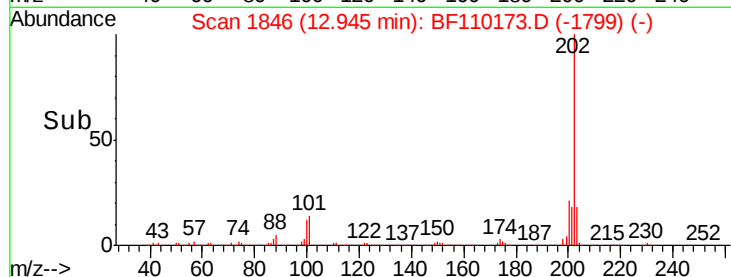
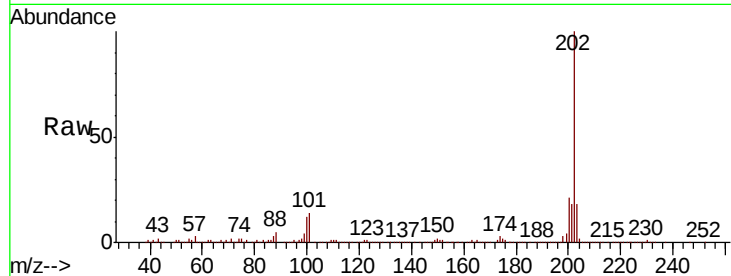
#78
Pvrene
Concen: 15.293 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.02 min
Lab File: BF110173.D
Acq: 25 Oct 2018 21:07

Instrument :
BNA_F
ClientSampleId :
DW-03

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.8	26.6
203	17.8	14.2	21.4

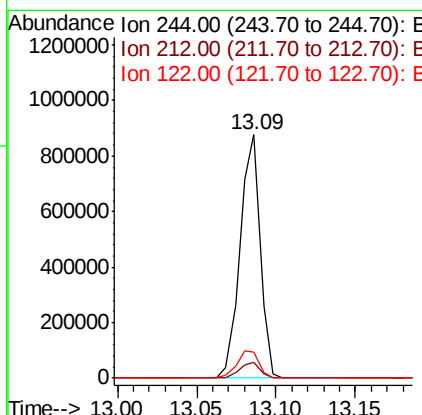
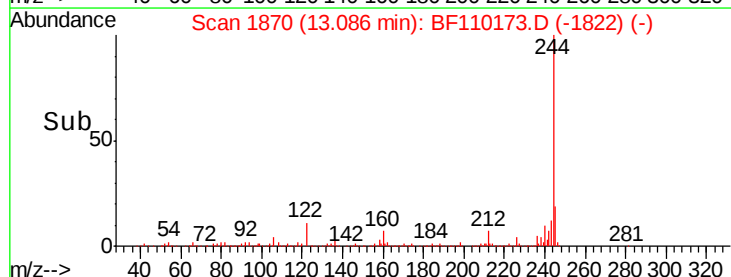
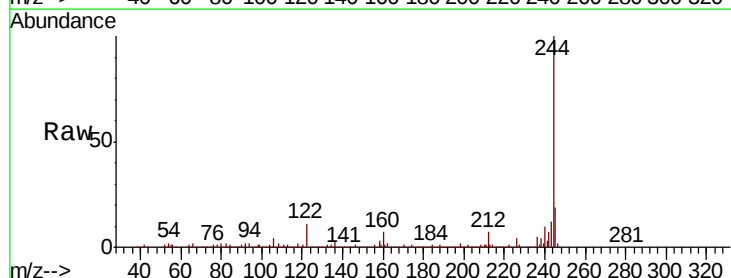
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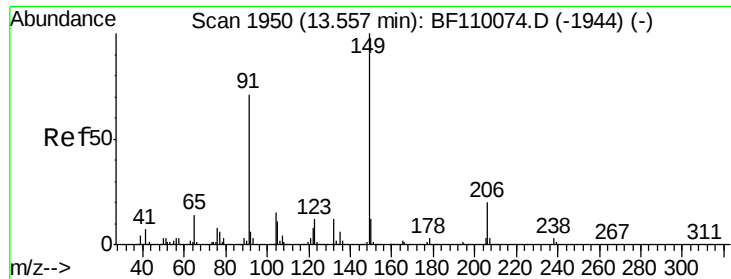
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#79
Terphenyl-d14
Concen: 59.076 ng
RT: 13.09 min Scan# 1870
Delta R.T. -0.02 min
Lab File: BF110173.D
Acq: 25 Oct 2018 21:07

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.8
122	10.9	8.7	13.1





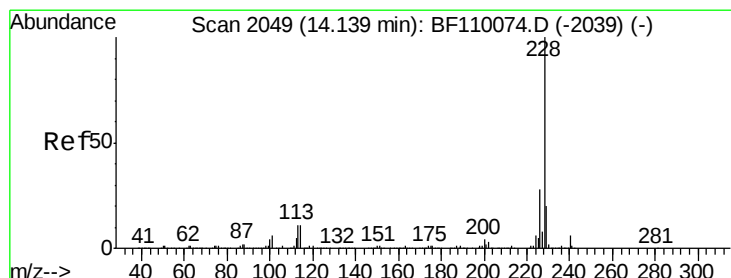
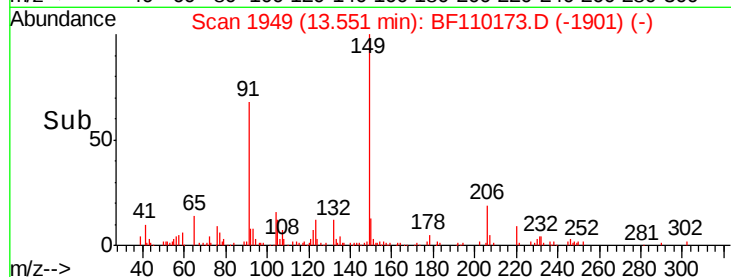
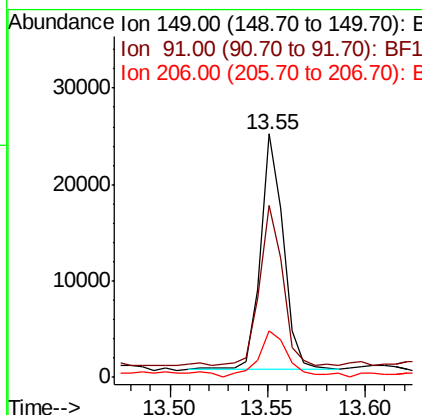
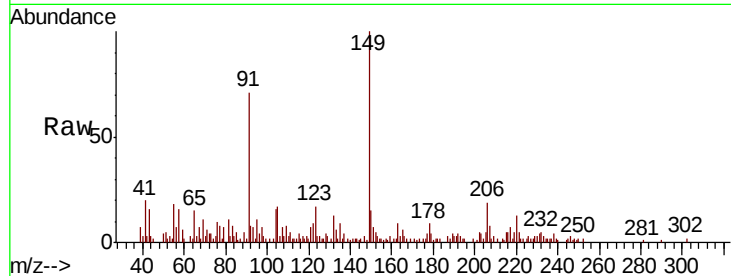
#80
Butylbenzylphthalate
Concen: 2.345 ng
RT: 13.55 min Scan# 1949
Delta R.T. -0.02 min
Lab File: BF110173.D
Acq: 25 Oct 2018 21:07

Instrument :
BNA_F
ClientSampleId :
DW-03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
149	100		19782		
91	70.8	57.2	85.8		
206	19.2	15.7	23.5		

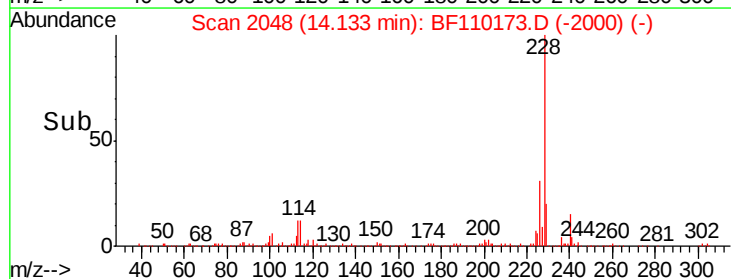
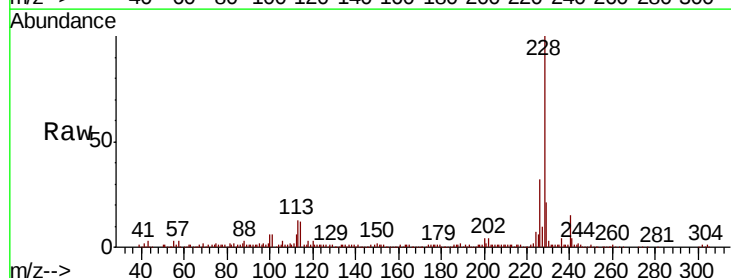
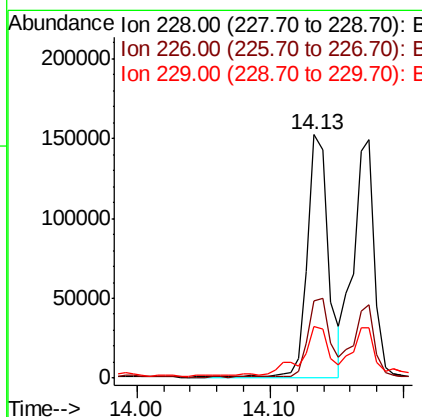
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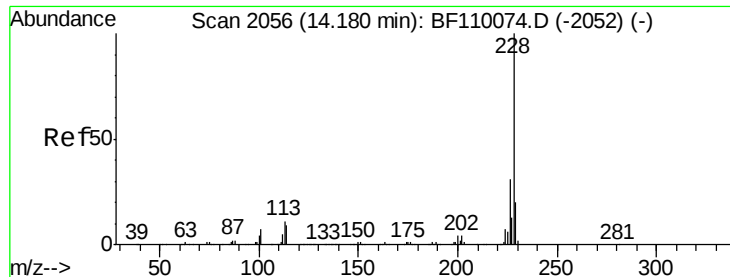
Sohil
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#81
Benzo(a)anthracene
Concen: 10.174 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.02 min
Lab File: BF110173.D
Acq: 25 Oct 2018 21:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
228	100		163568		
226	31.6	22.1	33.1		
229	21.3	15.6	23.4		





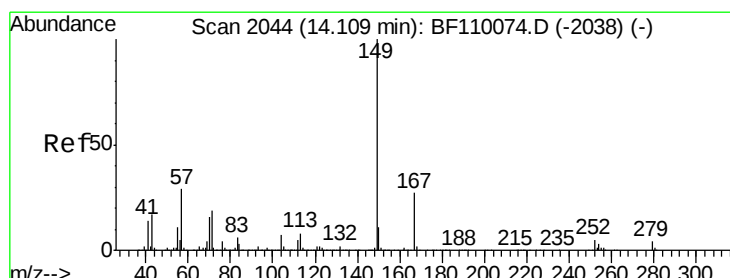
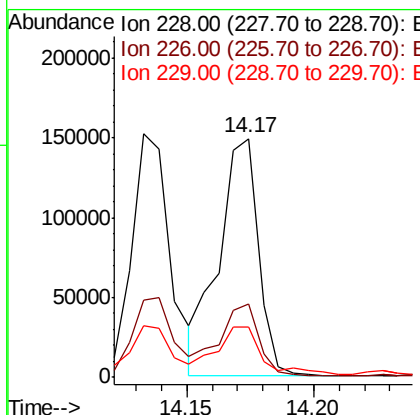
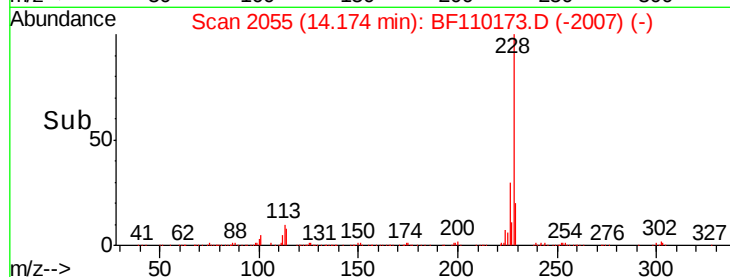
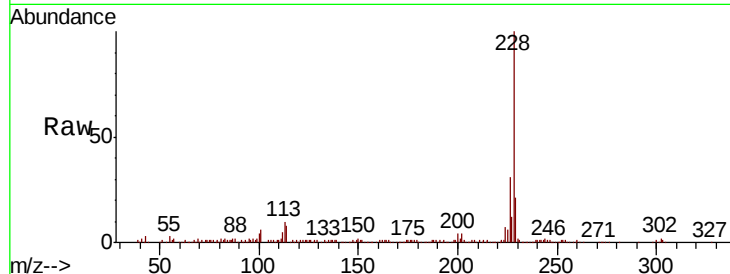
#83
Chrysene
Concen: 10.653 ng
RT: 14.17 min Scan# 2055
Delta R.T. -0.02 min
Lab File: BF110173.D
Acq: 25 Oct 2018 21:07

Instrument :
BNA_F
ClientSampleId :
DW-03

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.7	37.1
229	21.2	15.9	23.9

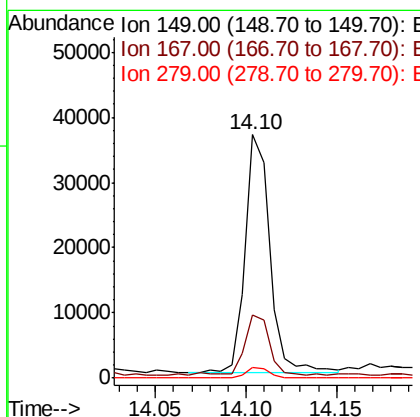
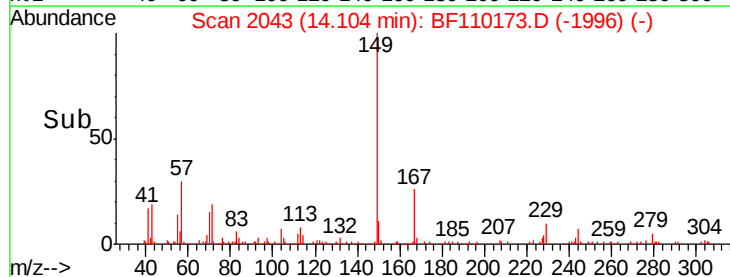
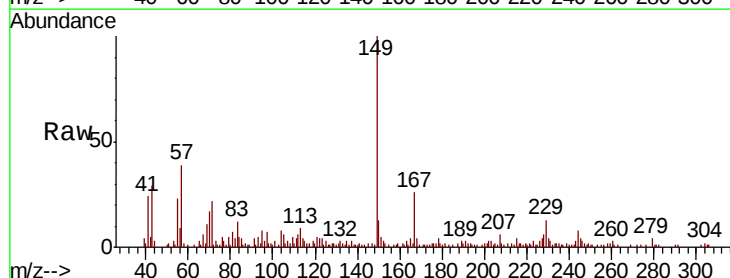
Manual Integrations
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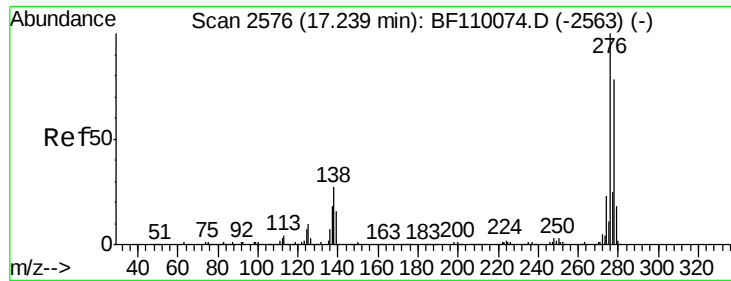
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#84
Bis(2-ethylhexyl)phthalate
Concen: 3.046 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.02 min
Lab File: BF110173.D
Acq: 25 Oct 2018 21:07

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.0	19.8	29.8
279	4.4	2.7	4.1#





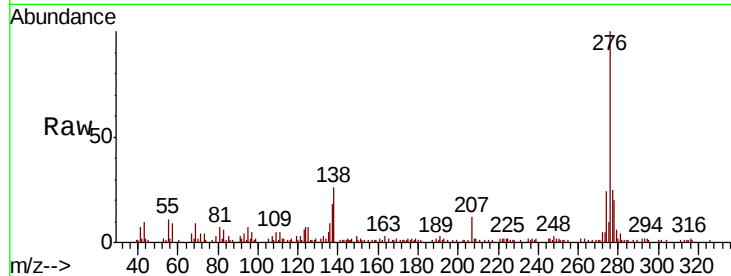
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.607 ng
RT: 17.22 min Scan# 2573
Delta R.T. -0.04 min
Lab File: BF110173.D
Acq: 25 Oct 2018 21:07

Instrument :
BNA_F
ClientSampleID :
DW-03

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.2	18.5	27.7
277	25.5	20.0	30.0

Manual Integrations
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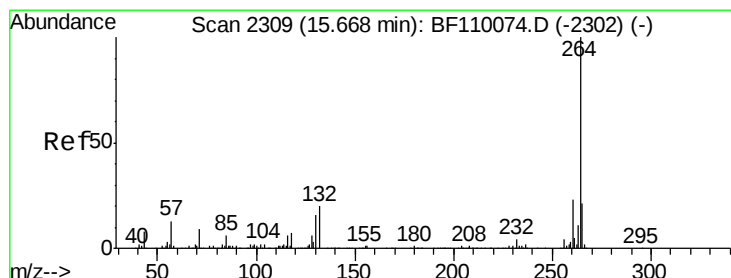
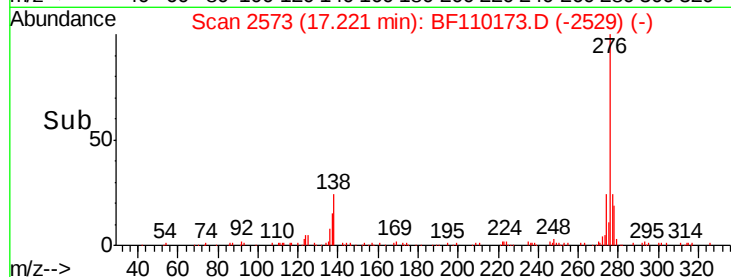
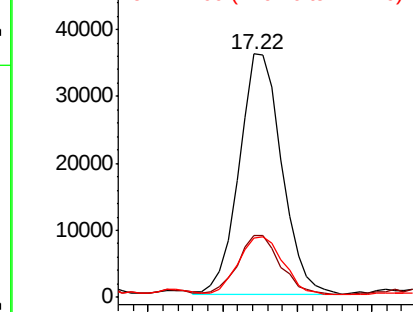


Abundance

Ion 276.00 (275.70 to 276.70): E

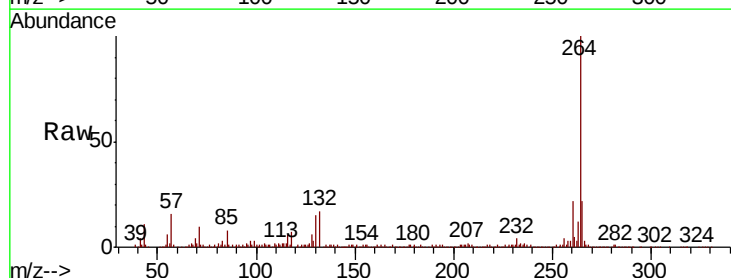
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2310
Delta R.T. -0.02 min
Lab File: BF110173.D
Acq: 25 Oct 2018 21:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.7	28.1
265	21.5	16.7	25.1

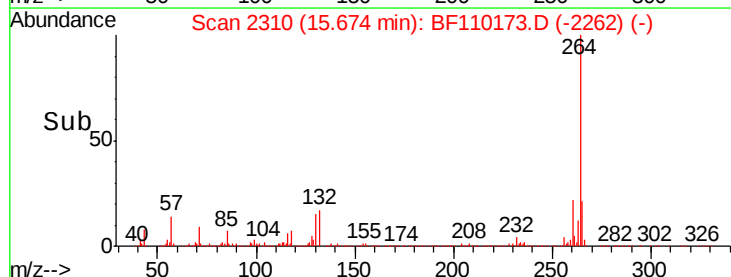
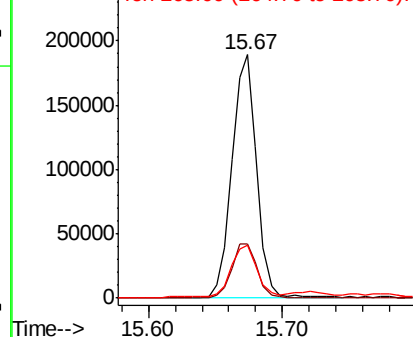


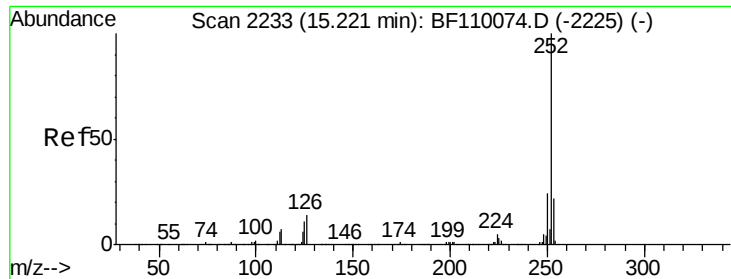
Abundance

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





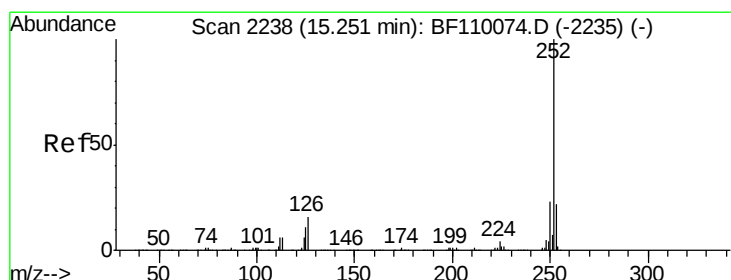
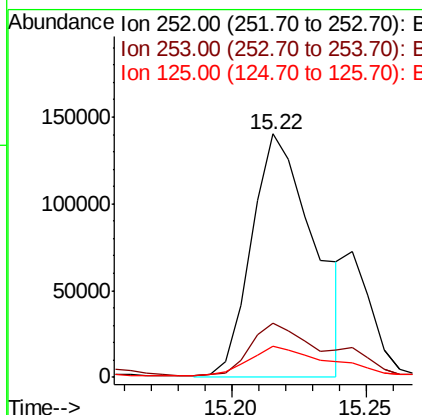
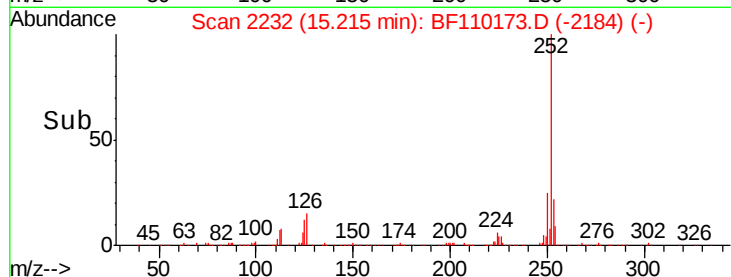
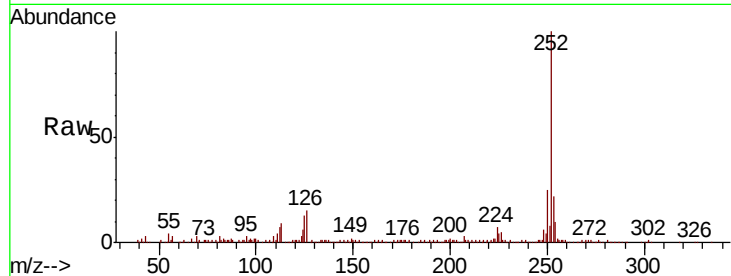
#88
Benzo(b)fluoranthene
Concen: 16.203 ng m
RT: 15.22 min Scan# 2232
Delta R.T. -0.02 min
Lab File: BF110173.D
Acq: 25 Oct 2018 21:07

Instrument :
BNA_F
ClientSampleId :
DW-03

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.2	25.8
125	12.8	8.2	12.4

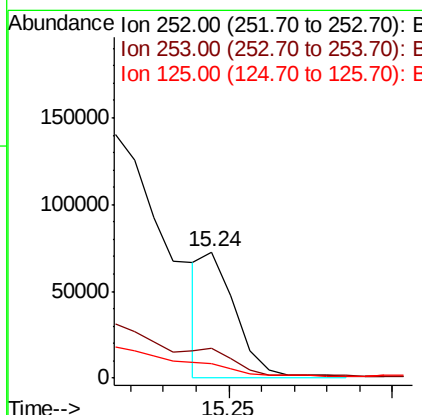
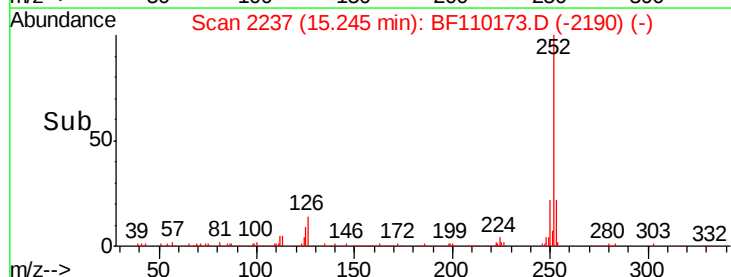
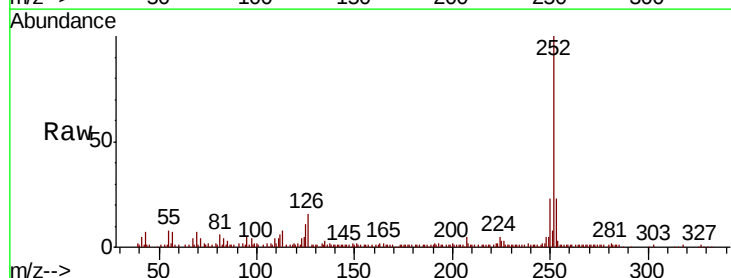
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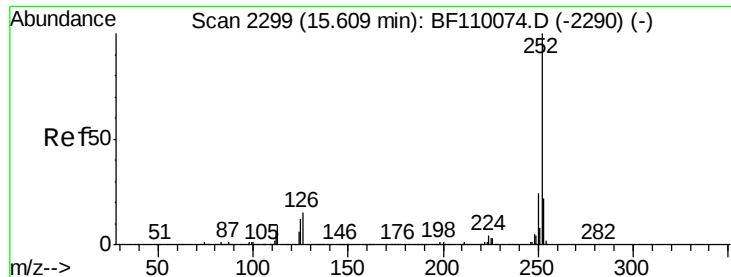
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#89
Benzo(k)fluoranthene
Concen: 3.738 ng m
RT: 15.24 min Scan# 2237
Delta R.T. -0.02 min
Lab File: BF110173.D
Acq: 25 Oct 2018 21:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.2	25.8
125	11.4	7.4	11.0





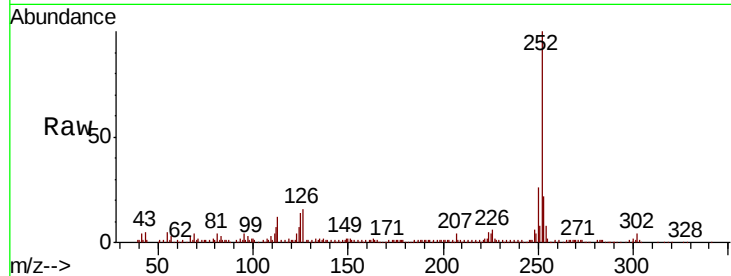
#90
Benzo(a)pyrene
Concen: 9.407 ng
RT: 15.60 min Scan# 2298
Delta R.T. -0.02 min
Lab File: BF110173.D
Acq: 25 Oct 2018 21:07

Instrument :
BNA_F
ClientSampled :
DW-03

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.4
125	14.0	9.0	13.6

Manual Integrations
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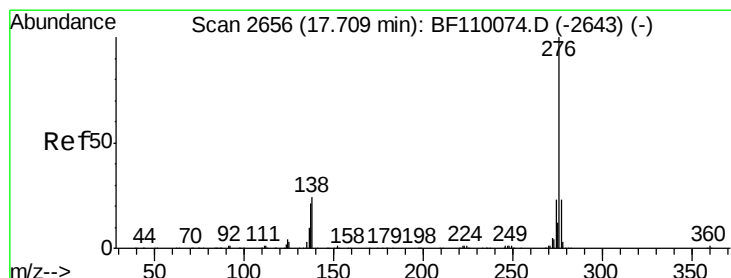
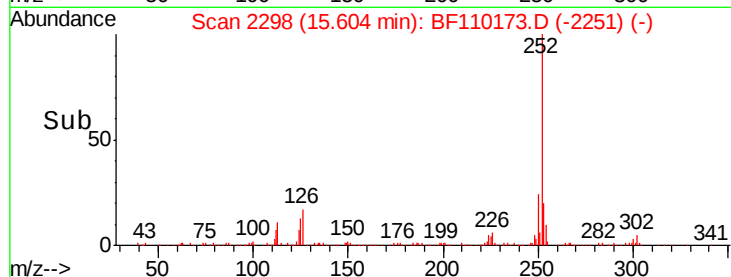
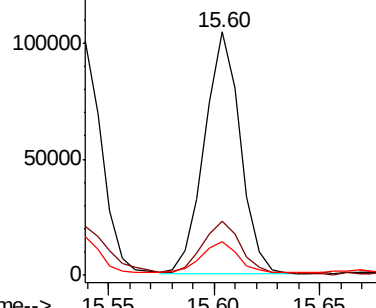


Abundance

Ion 252.00 (251.70 to 252.70): E

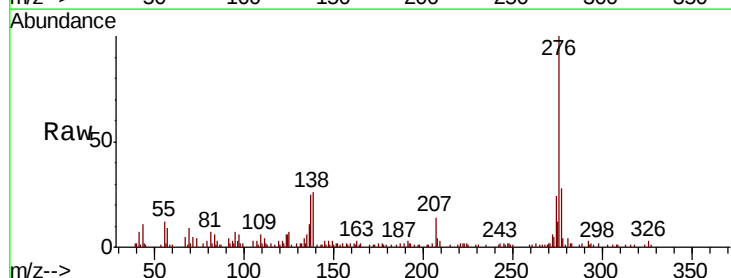
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 6.629 ng
RT: 17.70 min Scan# 2655
Delta R.T. -0.04 min
Lab File: BF110173.D
Acq: 25 Oct 2018 21:07

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.9	18.8	28.2
138	25.7	16.0	24.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

