

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102518\
 Data File : BF110171.D
 Acq On : 25 Oct 2018 20:12
 Operator : JU/SJ
 Sample : J5625-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DW-01

Manual Integrations
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 10/26/2018 3:49:21 PM

Quant Time: Oct 26 04:42:11 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	134552	20.00	ng	-0.02
21) Naphthalene-d8	8.25	136	560041	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	263065	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	444566	20.00	ng	-0.02
76) Chrysene-d12	14.14	240	265117	20.00	ng	-0.02
87) Perylene-d12	15.67	264	252272	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	691002	83.63	ng	-0.01
7) Phenol-d6	6.59	99	881785	83.44	ng	-0.02
23) Nitrobenzene-d5	7.53	82	554421	58.72	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	197335	75.73	ng	-0.02
45) 2-Fluorobiphenyl	9.32	172	942438	56.25	ng	-0.02
79) Terphenyl-d14	13.09	244	682809	53.56	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.60	94	100060	8.857	ng	# 62
31) Naphthalene	8.27	128	54328	2.105	ng	99
37) 2-Methylnaphthalene	8.96	142	35399	2.073	ng	97
50) Dimethylphthalate	9.71	163	185646	9.560	ng	99
71) Phenanthrene	11.52	178	196697	8.456	ng	99
72) Anthracene	11.57	178	57019	2.445	ng	99
75) Fluoranthene	12.72	202	265039	11.227	ng	99
78) Pyrene	12.94	202	296931	15.623	ng	98
80) Butylbenzylphthalate	13.55	149	28542	3.460	ng	97
81) Benzo(a)anthracene	14.13	228	142826	9.084	ng	97
83) Chrysene	14.17	228	137405	9.202	ng	97
84) Bis(2-ethylhexyl)phthalate	14.10	149	46202	4.143	ng	99
86) Indeno(1,2,3-cd)pyrene	17.22	276	64355	5.195	ng	99
88) Benzo(b)fluoranthene	15.22	252	170443m	11.700	ng	
89) Benzo(k)fluoranthene	15.24	252	56041m	3.913	ng	
90) Benzo(a)pyrene	15.60	252	110310	8.229	ng	96
92) Benzo(a,h,i)perylene	17.70	276	66226	5.811	ng	99

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



#1

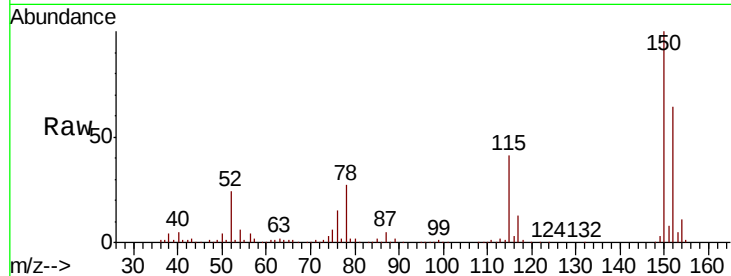
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 829
Delta R.T. -0.02 min
Lab File: BF110171.D
Acq: 25 Oct 2018 20:12

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	122.7	184.1
115	64.0	49.1	73.7

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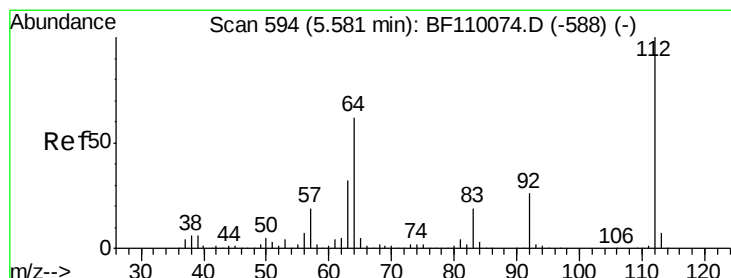
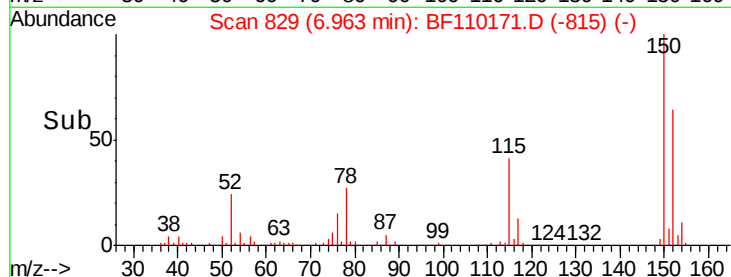
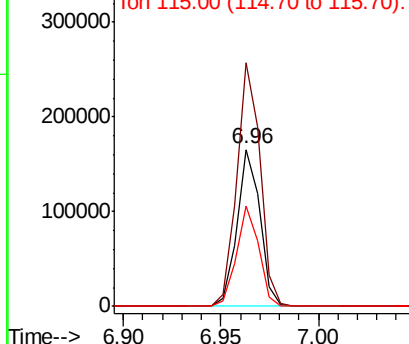


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

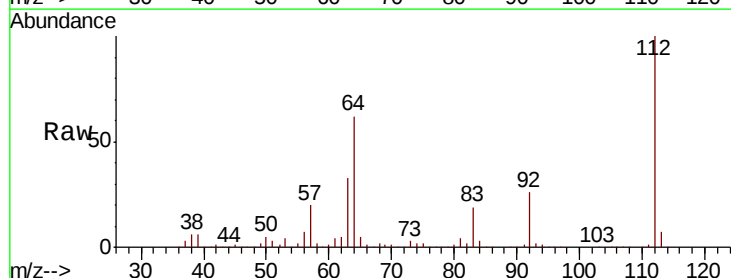
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 83.630 ng
RT: 5.59 min Scan# 595
Delta R.T. -0.01 min
Lab File: BF110171.D
Acq: 25 Oct 2018 20:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.6	44.1	66.1
63	32.7	23.7	35.5

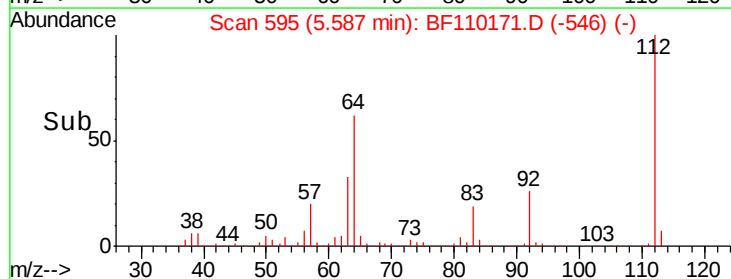
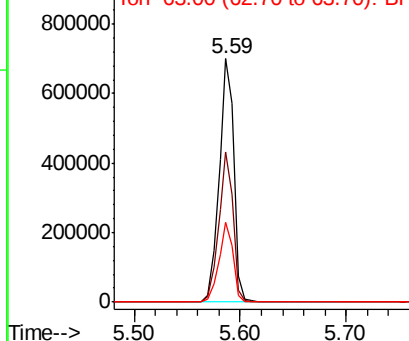


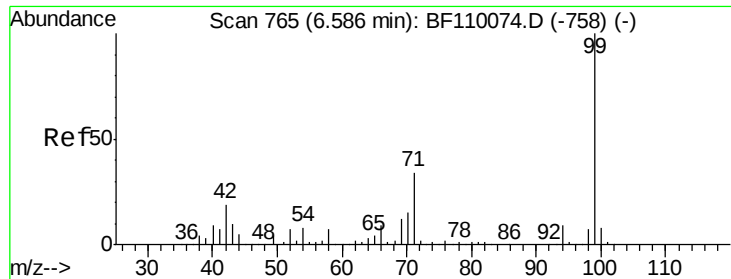
Abundance

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: 83.435 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.02 min

Lab File: BF110171.D

Acq: 25 Oct 2018 20:12

Instrument :

BNA_F

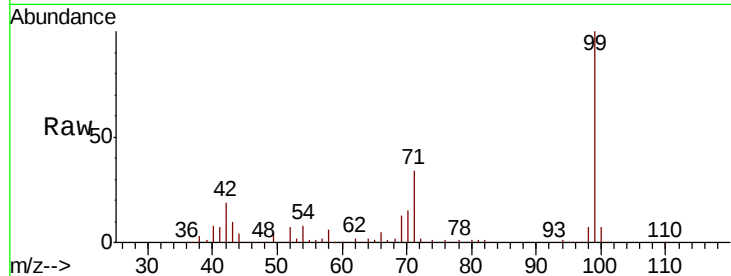
ClientSampled :

DW-01

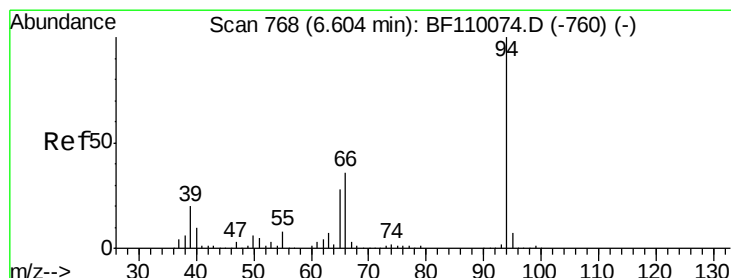
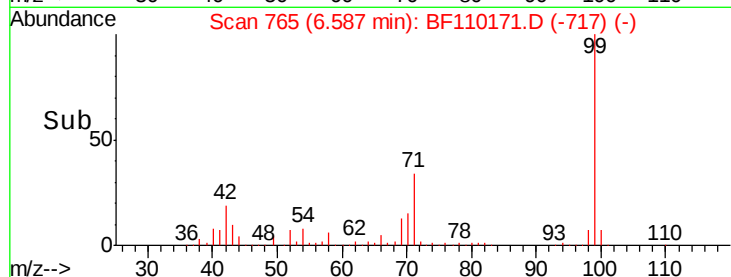
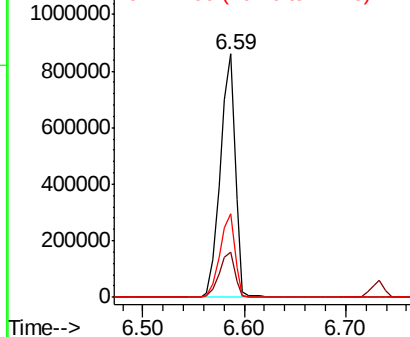
Tot Ion:	99	Resp:	881785
Ion Ratio	Lower	Upper	
99	100		
42	18.8	15.8	23.6
71	34.4	28.0	42.0

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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: 8.857 ng

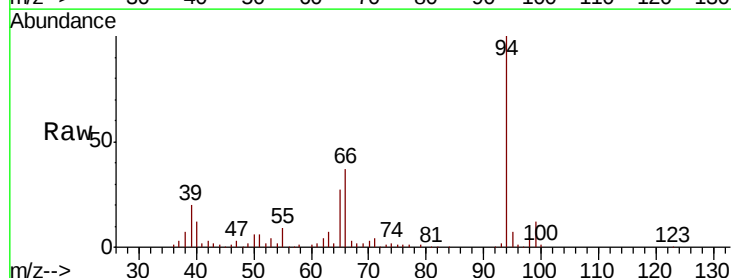
RT: 6.60 min Scan# 767

Delta R.T. -0.02 min

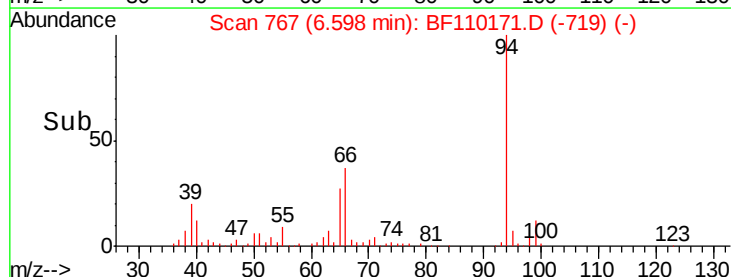
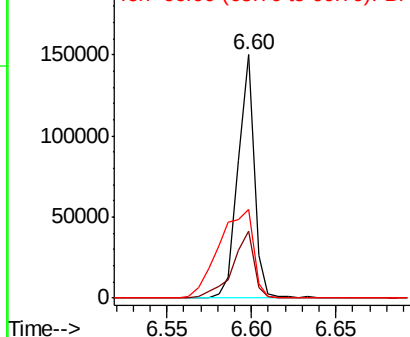
Lab File: BF110171.D

Acq: 25 Oct 2018 20:12

Tgt Ion:	94	Resp:	100060
Ion Ratio	Lower	Upper	
94	100		
65	27.3	25.3	65.3
66	36.6	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: 8.25 min Scan# 1047

Delta R.T. -0.02 min

Lab File: BF110171.D

Acq: 25 Oct 2018 20:12

Instrument :

BNA_F

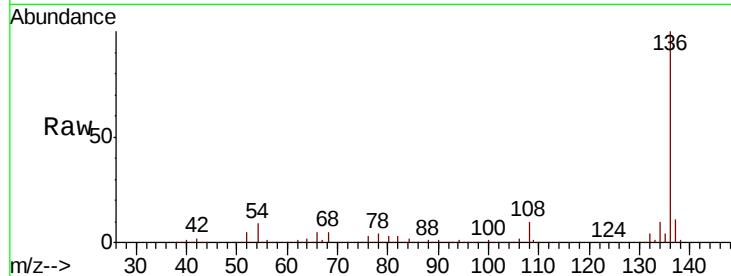
ClientSampleId :

DW-01

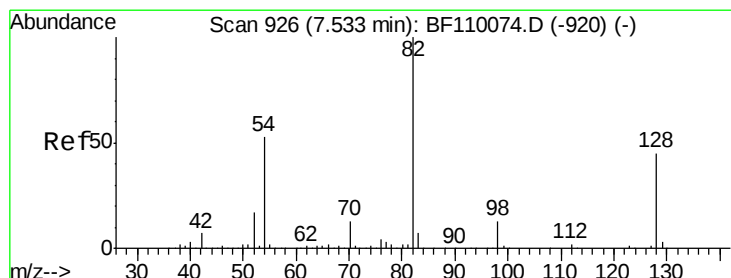
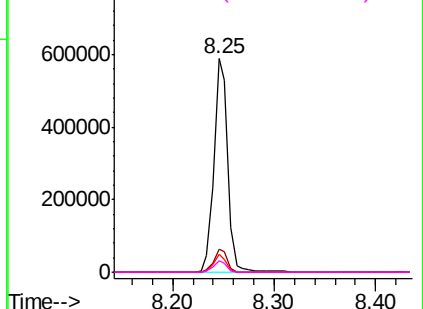
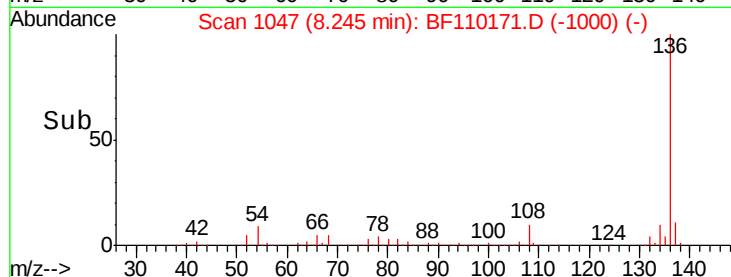
Tot Ion	Ratio	Resp	Lower	Upper
136	100	560041		
137	10.8		8.8	13.2
54	8.5		5.4	8.2
68	5.4		4.2	6.2

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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: 58.718 ng

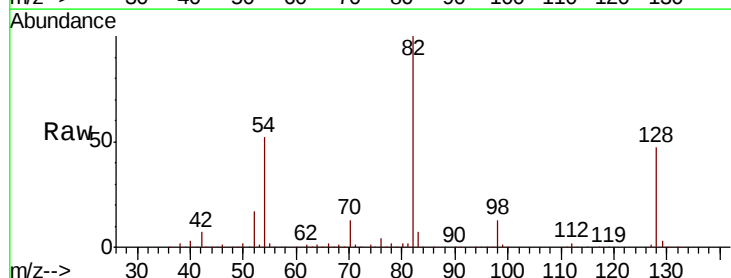
RT: 7.53 min Scan# 925

Delta R.T. -0.02 min

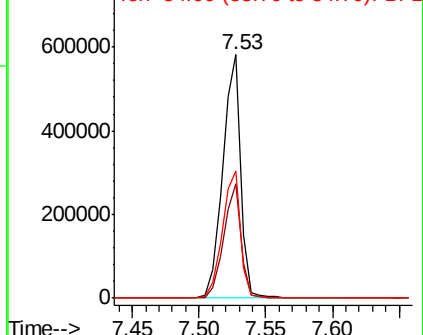
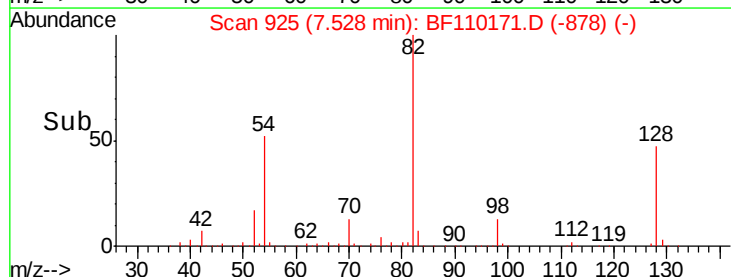
Lab File: BF110171.D

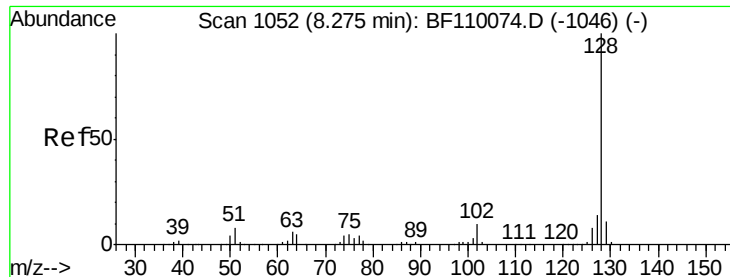
Acq: 25 Oct 2018 20:12

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	554421		
128	46.9		34.2	51.2
54	52.4		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





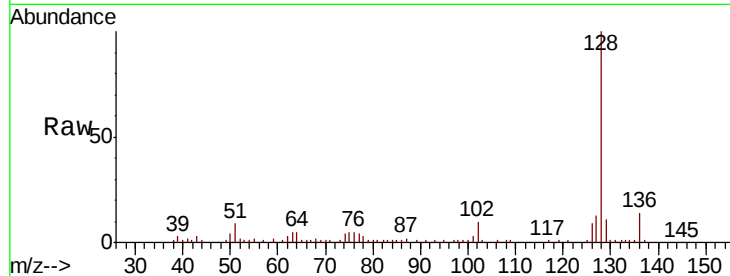
#31
Naphthalene
Concen: 2.105 ng
RT: 8.27 min Scan# 1051
Delta R.T. -0.02 min
Lab File: BF110171.D
Acq: 25 Oct 2018 20:12

Instrument :
BNA_F
ClientSampleId :
DW-01

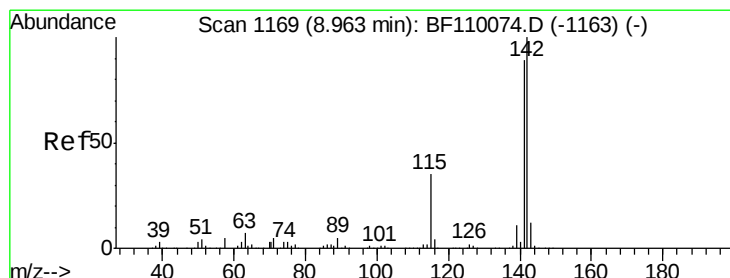
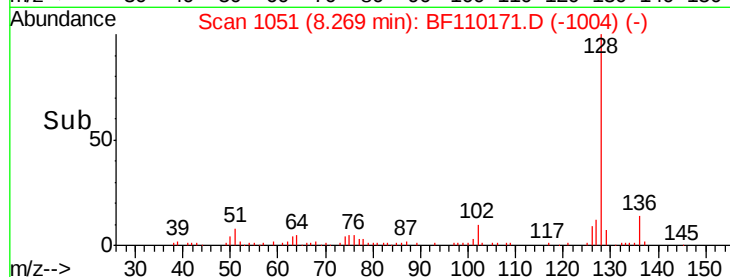
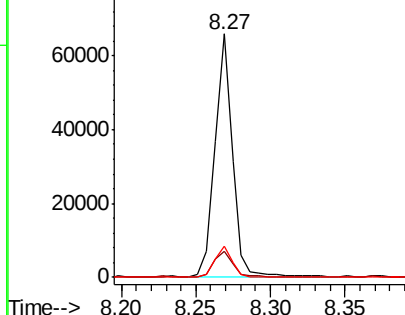
Tot Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	12.8	10.8	16.2

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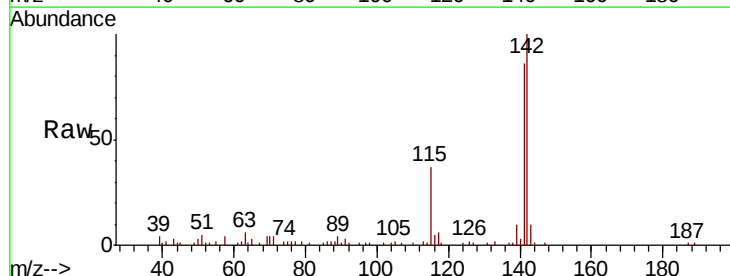


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

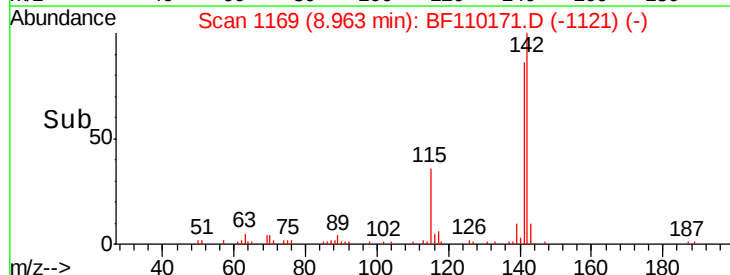
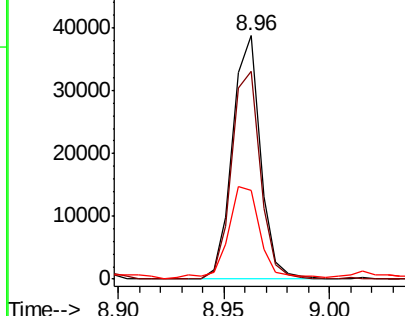


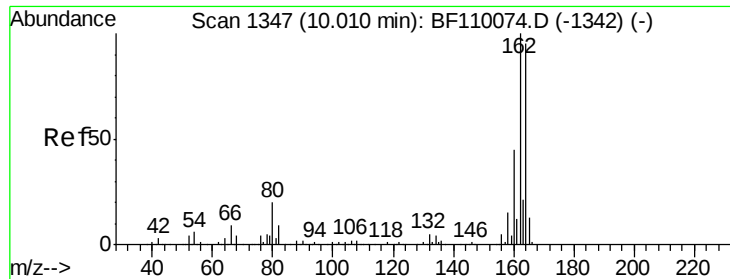
#37
2-Methylnaphthalene
Concen: 2.073 ng
RT: 8.96 min Scan# 1169
Delta R.T. -0.02 min
Lab File: BF110171.D
Acq: 25 Oct 2018 20:12

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.5	71.4	107.2
115	36.6	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





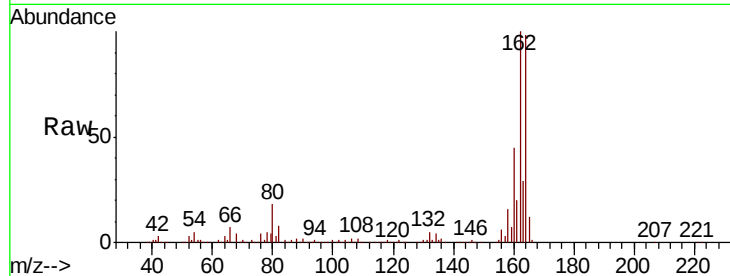
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.02 min
Lab File: BF110171.D
Acq: 25 Oct 2018 20:12

Instrument :
BNA_F
ClientSampleId :
DW-01

Tot Ion	Ratio	Resp	Lower	Upper
164	100	263065		
162	102.5		83.0	124.6
160	45.8		37.0	55.6

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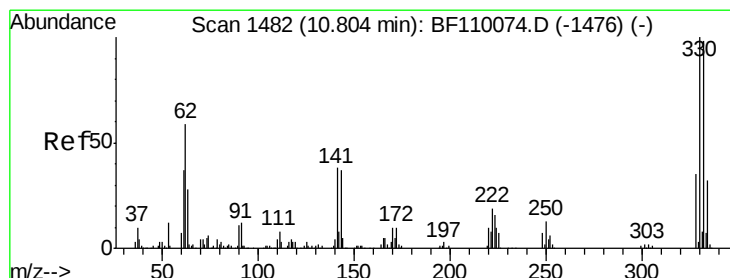
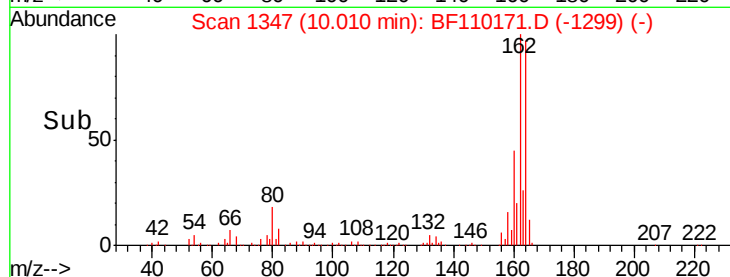
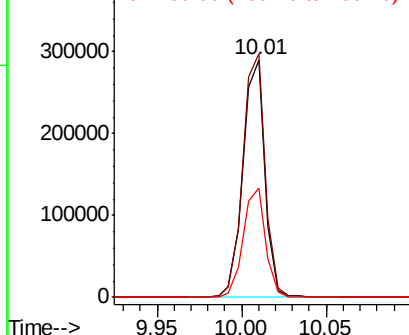


Abundance

Ion 164.00 (163.70 to 164.70): E

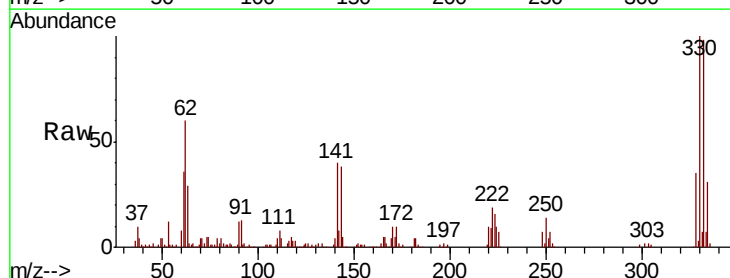
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 75.728 ng
RT: 10.80 min Scan# 1481
Delta R.T. -0.02 min
Lab File: BF110171.D
Acq: 25 Oct 2018 20:12

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	197335		
332	97.4		77.1	115.7
141	37.2		27.0	40.4

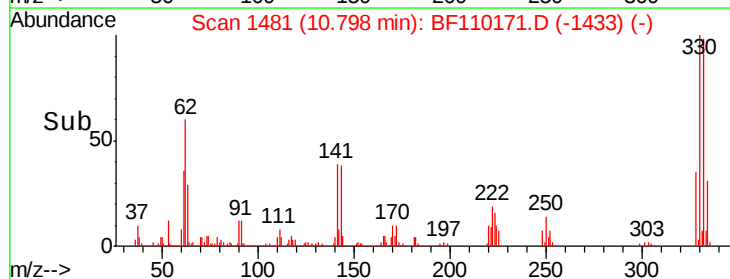
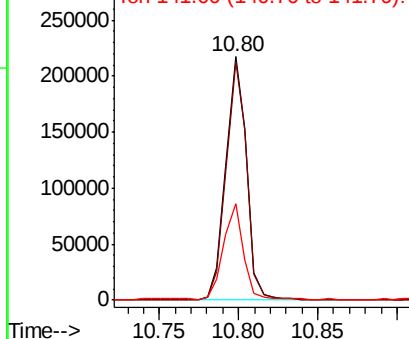


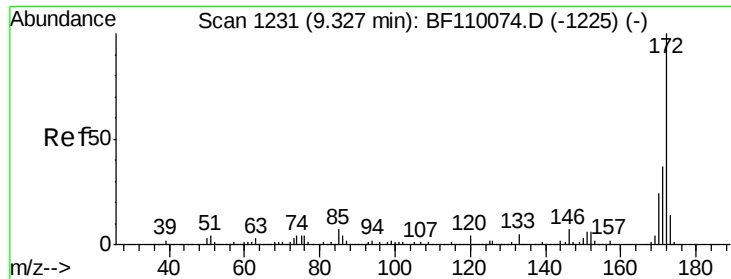
Abundance

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





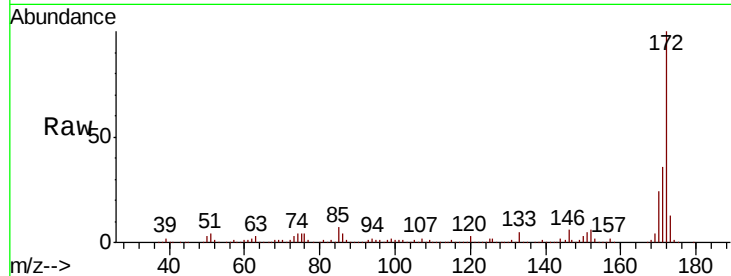
#45
2-Fluorobiphenyl
Concen: 56.255 ng
RT: 9.32 min Scan# 1230
Delta R.T. -0.02 min
Lab File: BF110171.D
Acq: 25 Oct 2018 20:12

Instrument :
BNA_F
ClientSampled :
DW-01

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	43.0
170	23.8	19.7	29.5

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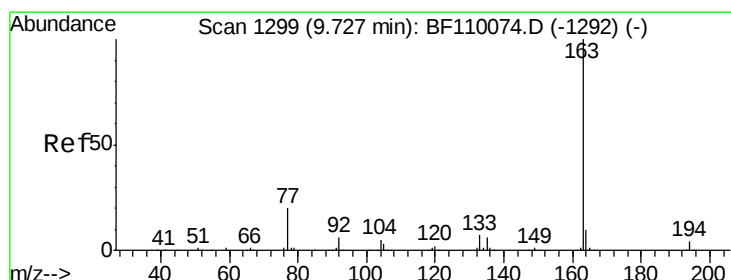
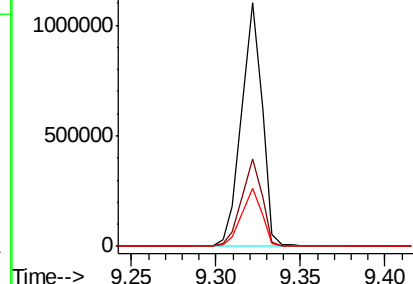
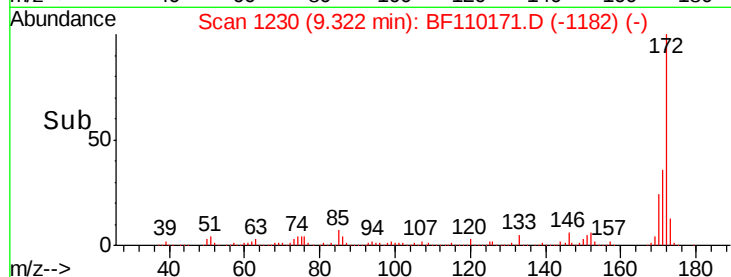


Abundance

Ion 172.00 (171.70 to 172.70): E

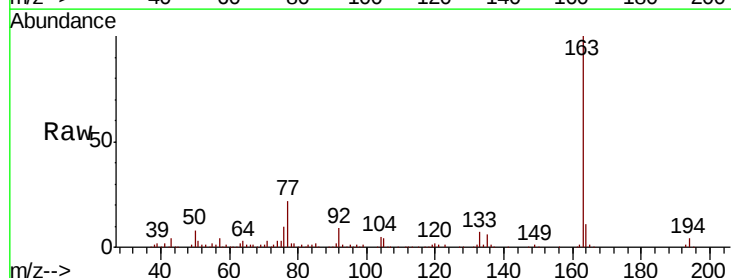
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 9.560 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.03 min
Lab File: BF110171.D
Acq: 25 Oct 2018 20:12

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.2	4.8
164	10.6	8.1	12.1

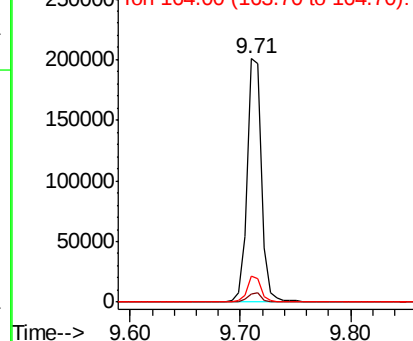
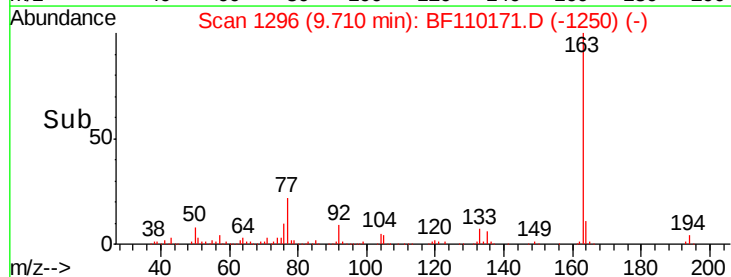


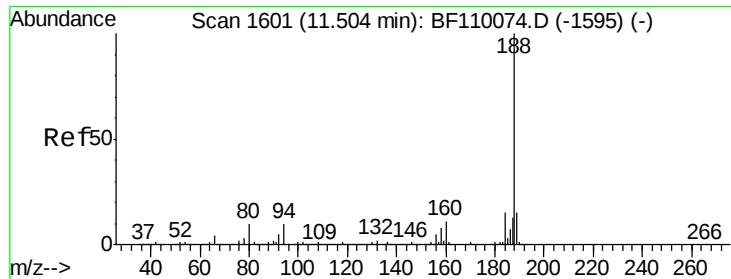
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





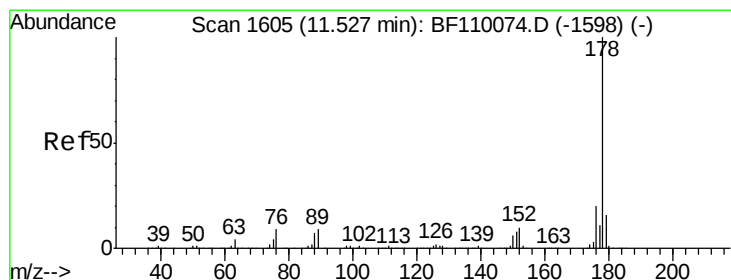
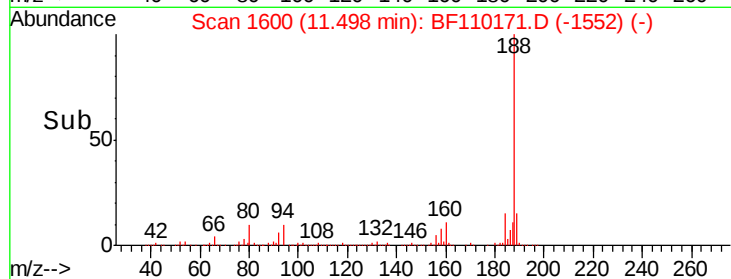
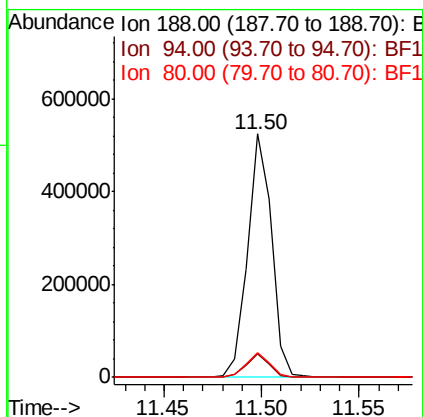
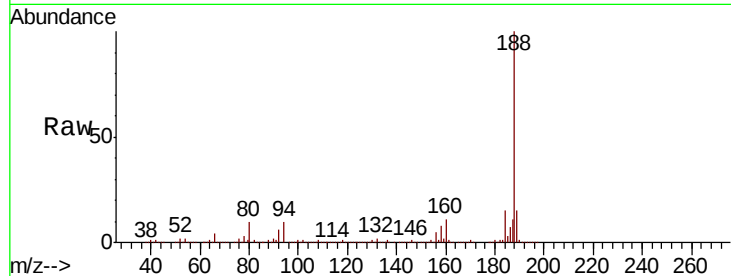
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.02 min
Lab File: BF110171.D
Acq: 25 Oct 2018 20:12

Instrument :
BNA_F
ClientSampled :
DW-01

Tot Ion	Ratio	Resp	Lower	Upper
188	100	444566		
94	9.9		7.2	10.8
80	10.1		7.9	11.9

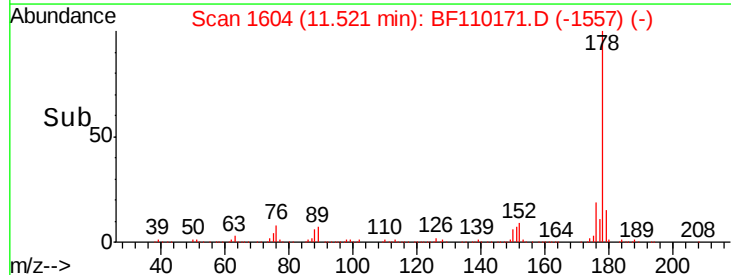
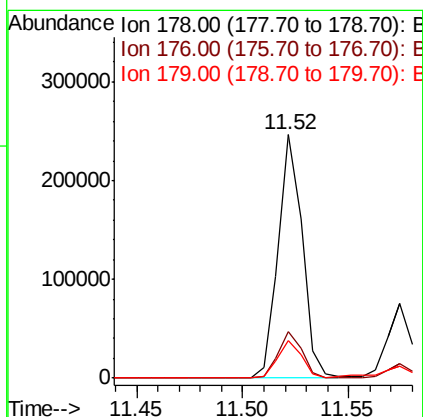
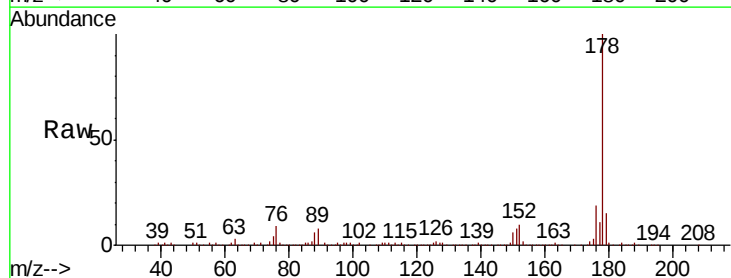
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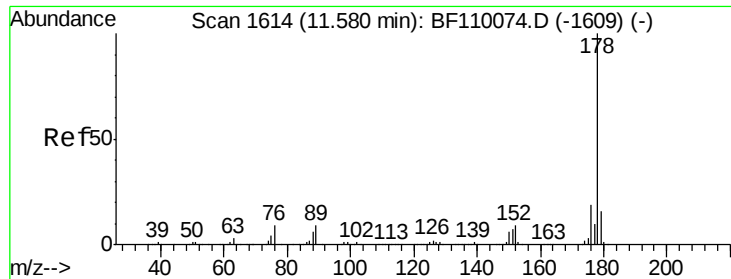
Sohil
10/26/2018 3:49:21 PM



#71
Phenanthrene
Concen: 8.456 ng
RT: 11.52 min Scan# 1604
Delta R.T. -0.02 min
Lab File: BF110171.D
Acq: 25 Oct 2018 20:12

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	196697		
176	19.0		15.5	23.3
179	15.3		12.5	18.7





#72

Anthracene

Concen: 2.445 ng

RT: 11.57 min Scan# 1613

Delta R.T. -0.02 min

Lab File: BF110171.D

Acq: 25 Oct 2018 20:12

Instrument :

BNA_F

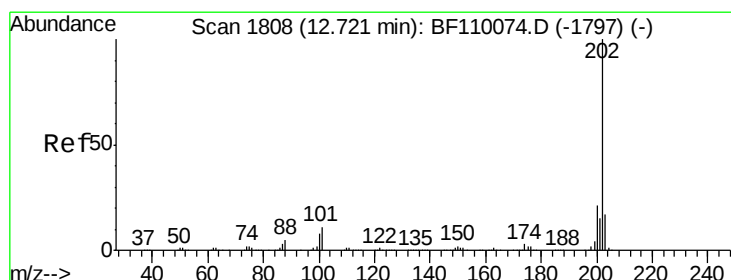
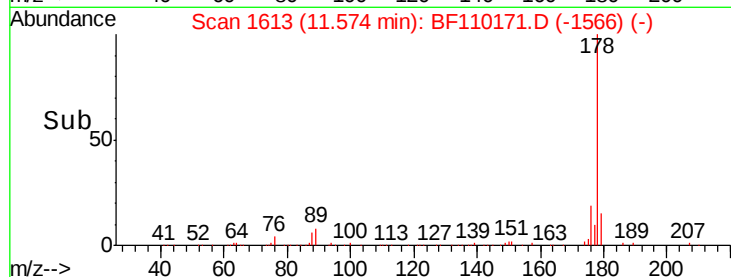
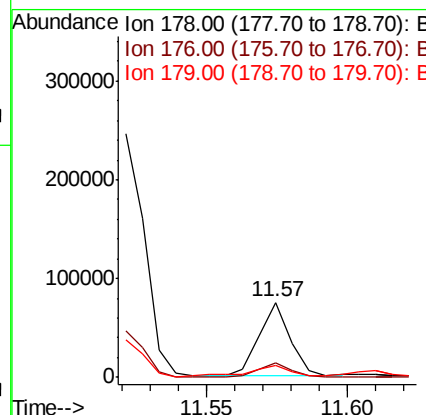
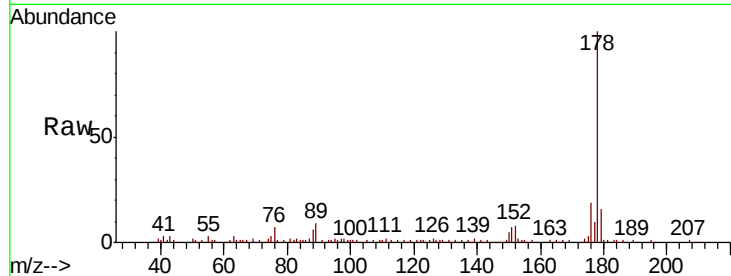
ClientSampleId :

DW-01

Tot Ion:	178	Resp:	57019
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.4	23.2
179	16.0	12.6	18.8

Manual Integrations
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#75

Fluoranthene

Concen: 11.227 ng

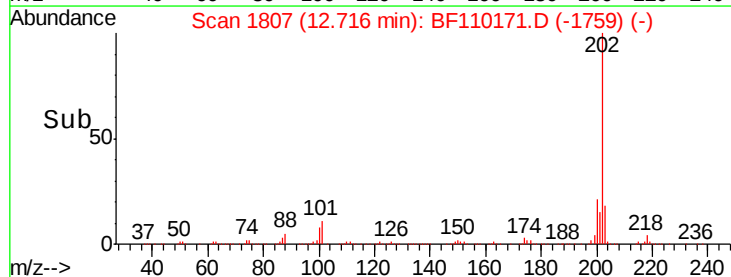
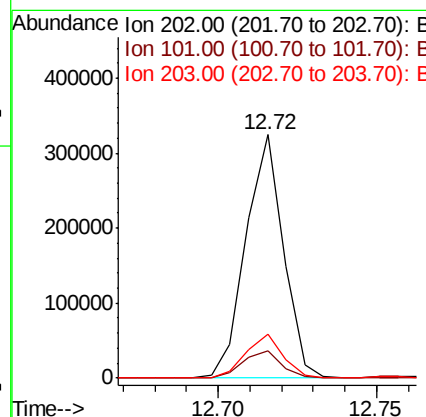
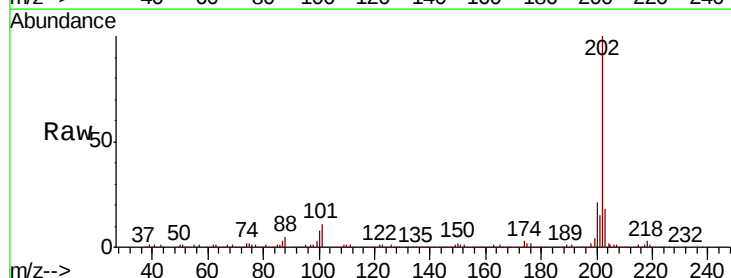
RT: 12.72 min Scan# 1807

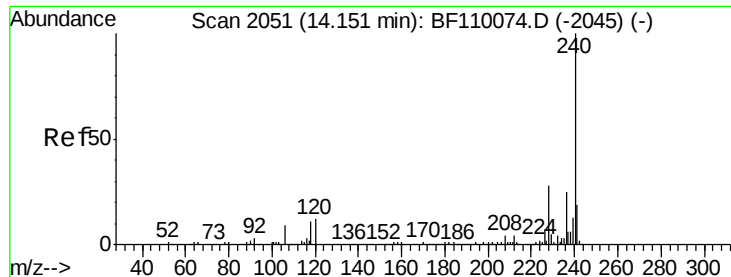
Delta R.T. -0.02 min

Lab File: BF110171.D

Acq: 25 Oct 2018 20:12

Tgt Ion:	202	Resp:	265039
Ion Ratio	Lower	Upper	
202	100		
101	11.0	0.0	31.4
203	18.0	0.0	37.7





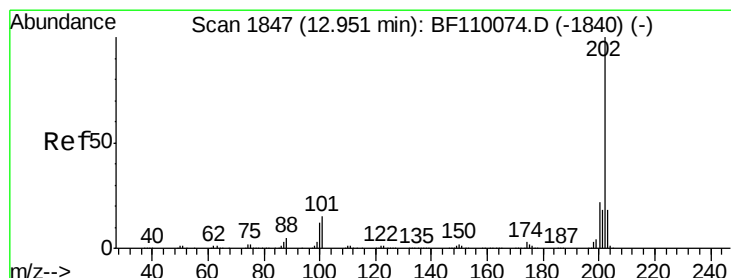
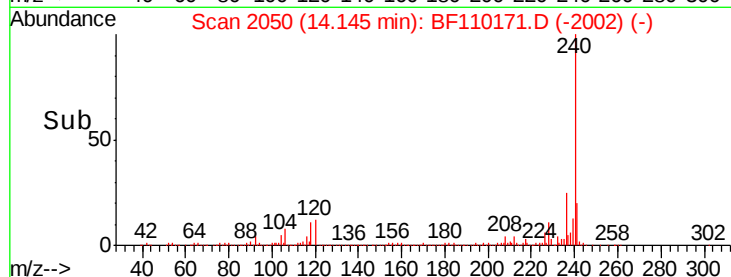
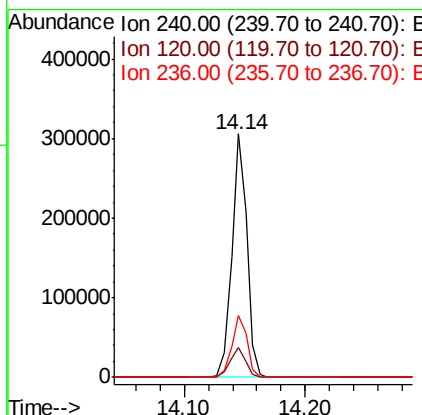
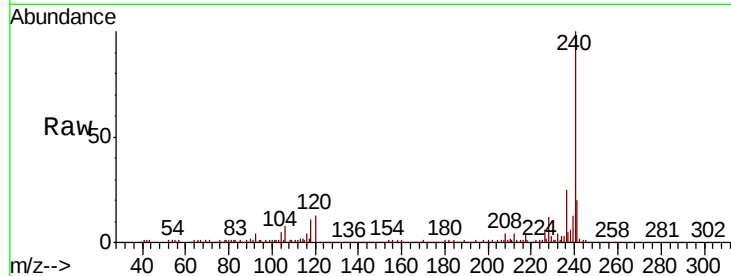
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.02 min
Lab File: BF110171.D
Acq: 25 Oct 2018 20:12

Instrument :
BNA_F
ClientSampleID :
DW-01

Tot Ion	Ratio	Resp	Lower	Upper
240	100	265117		
120	12.5	8.3	12.5#	
236	25.4	21.2	31.8	

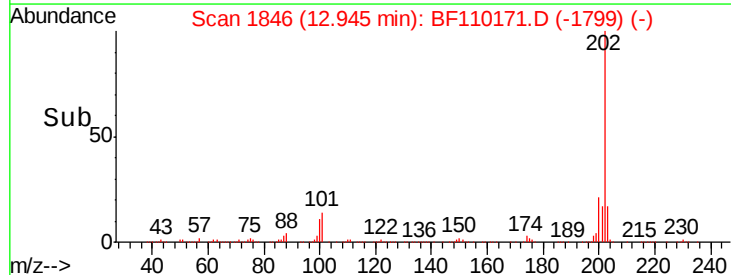
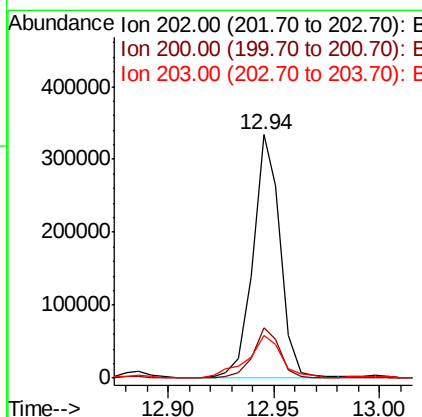
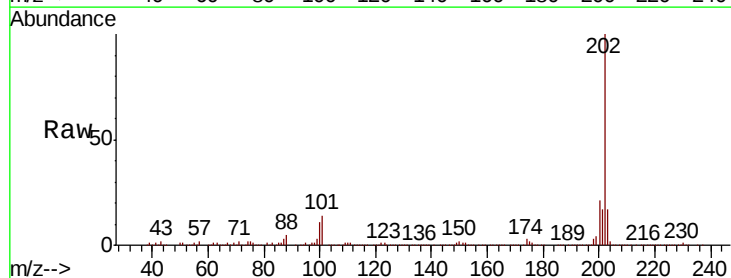
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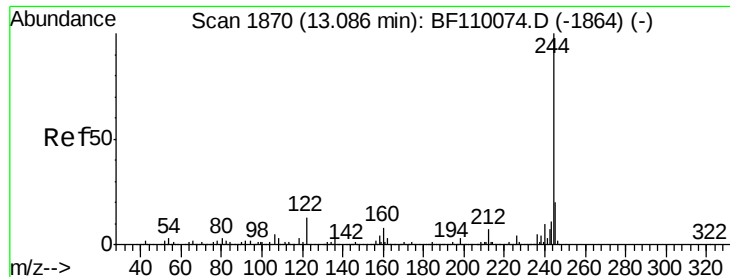
Sohil
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#78
Pyrene
Concen: 15.623 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.02 min
Lab File: BF110171.D
Acq: 25 Oct 2018 20:12

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	296931		
200	20.7	17.8	26.6	
203	17.5	14.2	21.4	





#79

Terphenyl-d14

Concen: 53.563 ng

RT: 13.09 min Scan# 1870

Delta R.T. -0.02 min

Lab File: BF110171.D

Acq: 25 Oct 2018 20:12

Instrument :

BNA_F

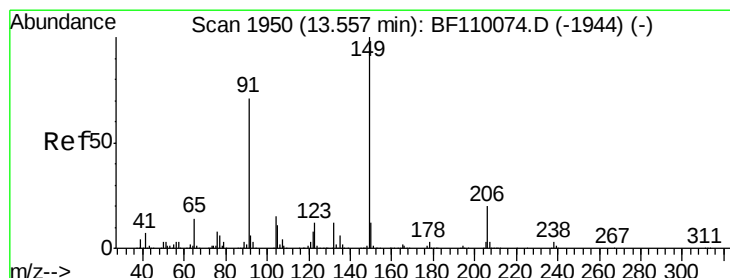
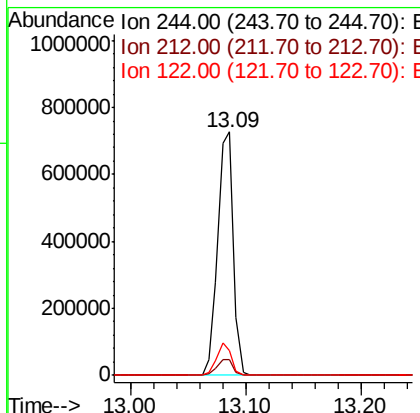
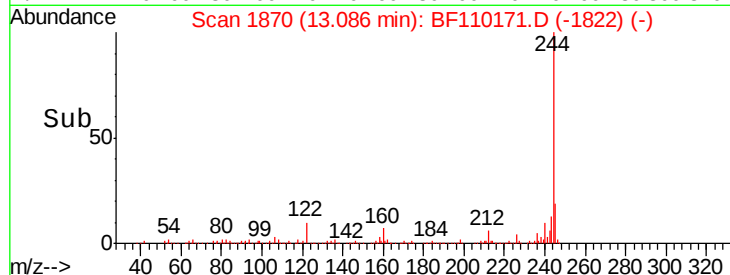
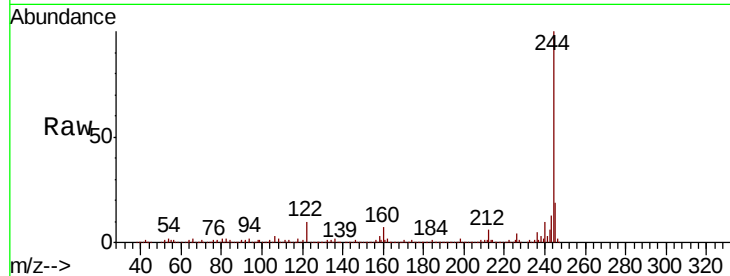
ClientSampled :

DW-01

Tot Ion:	244	Resp:	682809
Ion Ratio		Lower	Upper
244	100		
212	6.5	5.8	8.8
122	10.0	8.7	13.1

Manual Integrations
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#80

Butylbenzylphthalate

Concen: 3.460 ng

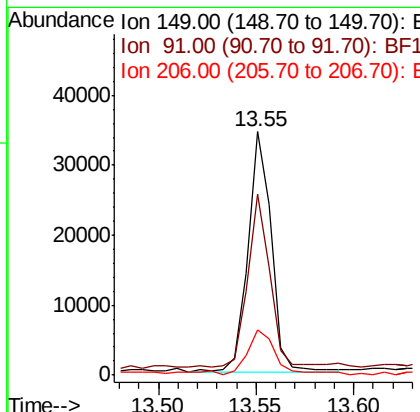
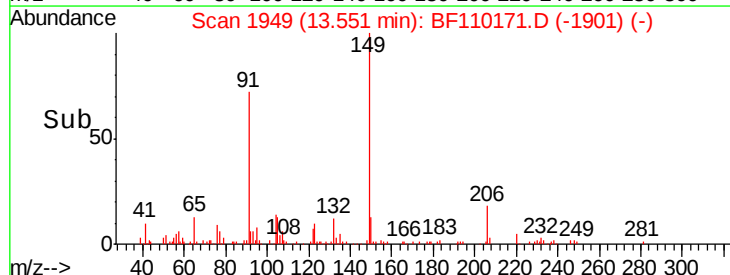
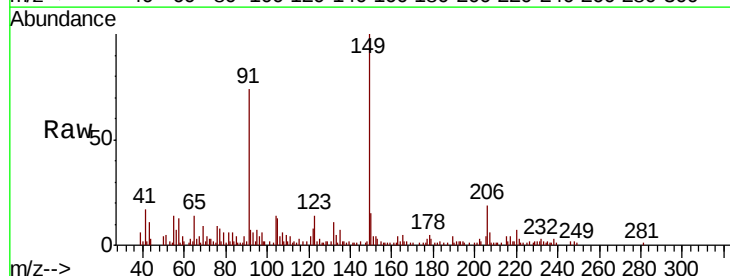
RT: 13.55 min Scan# 1949

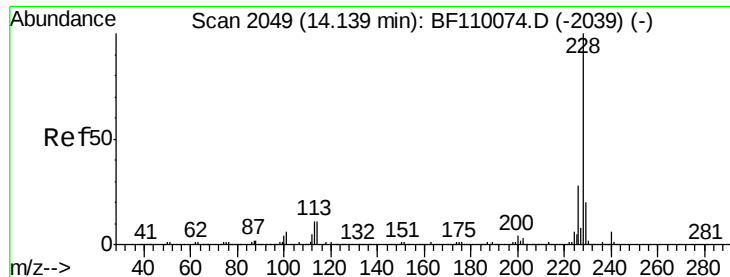
Delta R.T. -0.02 min

Lab File: BF110171.D

Acq: 25 Oct 2018 20:12

Tgt Ion:	149	Resp:	28542
Ion Ratio		Lower	Upper
149	100		
91	74.1	57.2	85.8
206	18.8	15.7	23.5





#81

Benzo(a)anthracene

Concen: 9.084 ng

RT: 14.13 min Scan# 2048

Delta R.T. -0.02 min

Lab File: BF110171.D

Acq: 25 Oct 2018 20:12

Instrument :

BNA_F

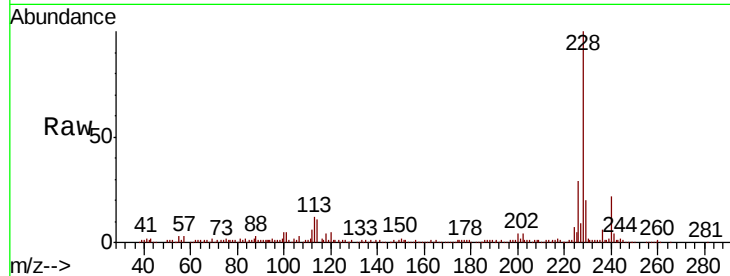
ClientSampled :

DW-01

Tot Ion:	228	Resp:	142826
Ion Ratio	Lower	Upper	
228	100		
226	29.5	22.1	33.1
229	20.2	15.6	23.4

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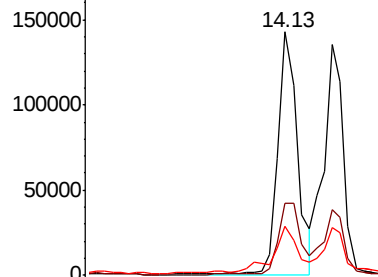


Abundance

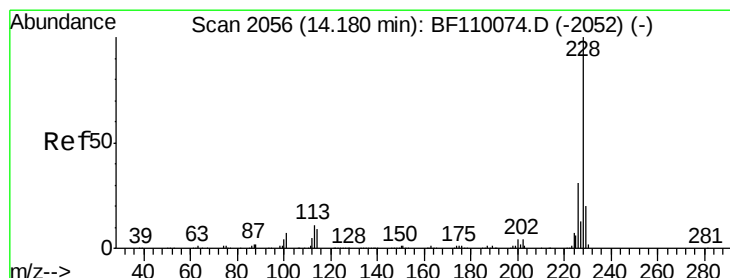
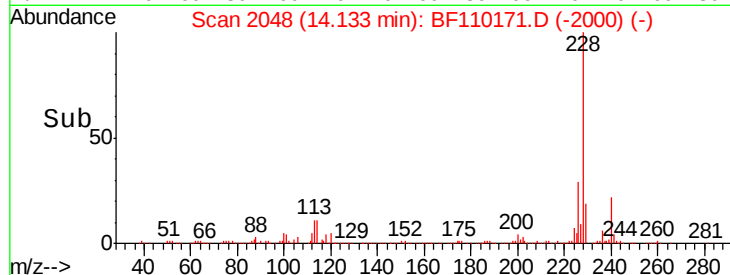
Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#83

Chrysene

Concen: 9.202 ng

RT: 14.17 min Scan# 2054

Delta R.T. -0.02 min

Lab File: BF110171.D

Acq: 25 Oct 2018 20:12

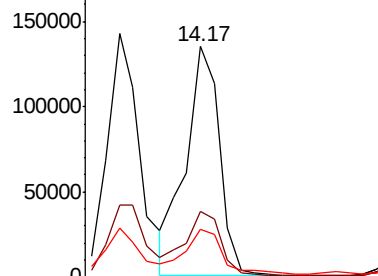
Tgt Ion:	228	Resp:	137405
Ion Ratio	Lower	Upper	
228	100		
226	28.8	24.7	37.1
229	20.5	15.9	23.9

Abundance

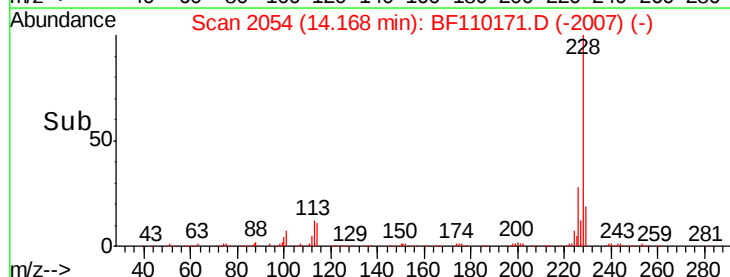
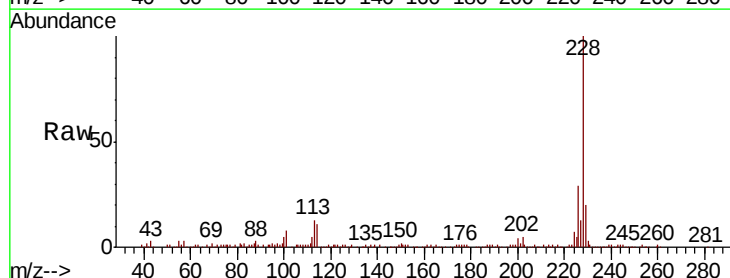
Ion 228.00 (227.70 to 228.70): E

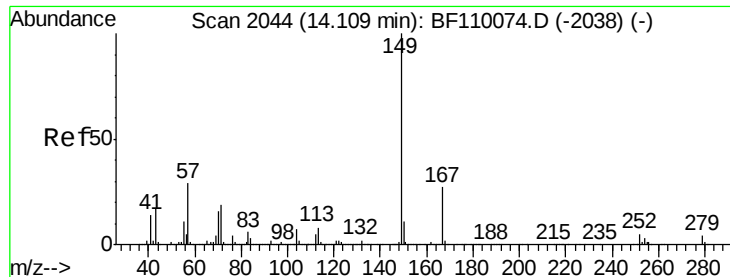
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.143 ng

RT: 14.10 min Scan# 2043

Delta R.T. -0.02 min

Lab File: BF110171.D

Acq: 25 Oct 2018 20:12

Instrument :

BNA_F

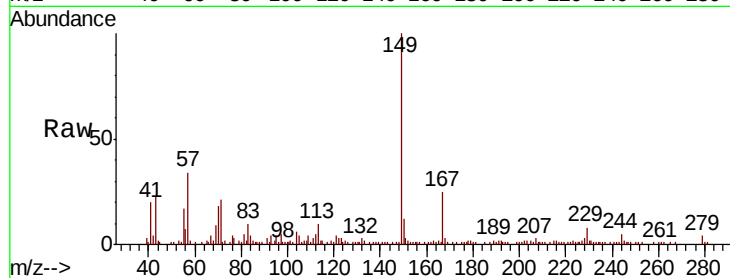
ClientSampled :

DW-01

Tot Ion:	149	Resp:	46202
Ion Ratio	Lower	Upper	
149	100		
167	25.0	19.8	29.8
279	3.6	2.7	4.1

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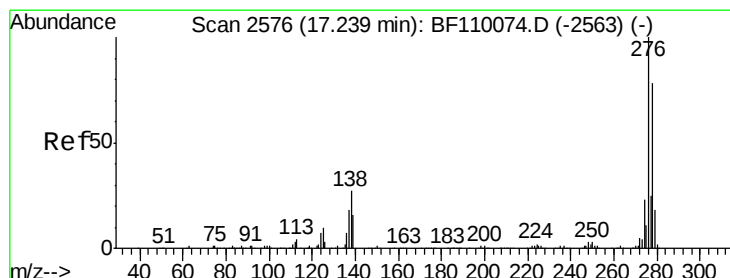
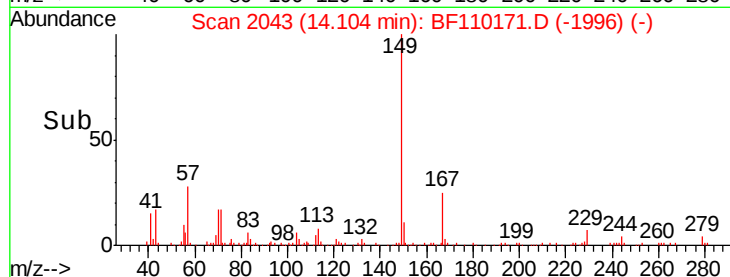
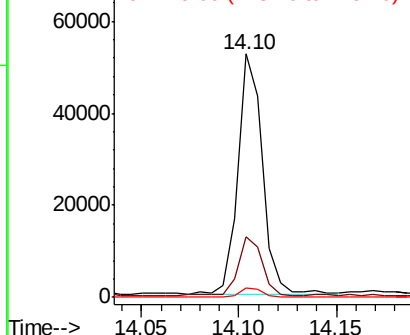


Abundance

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: 5.195 ng

RT: 17.22 min Scan# 2573

Delta R.T. -0.04 min

Lab File: BF110171.D

Acq: 25 Oct 2018 20:12

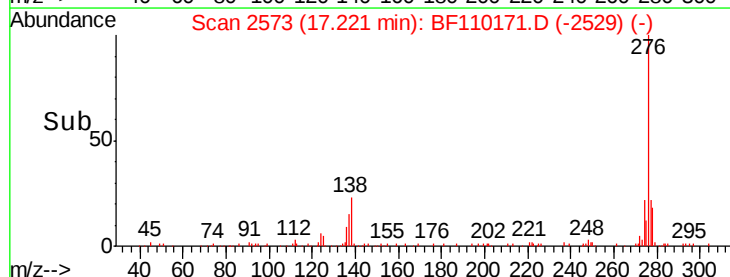
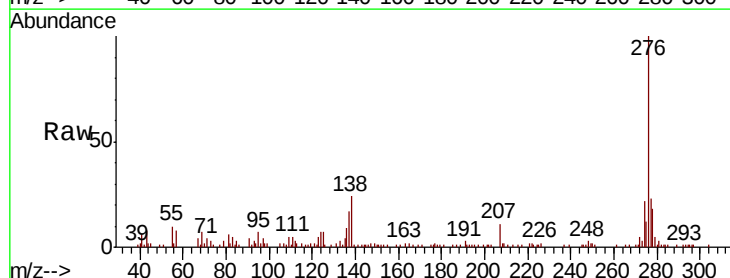
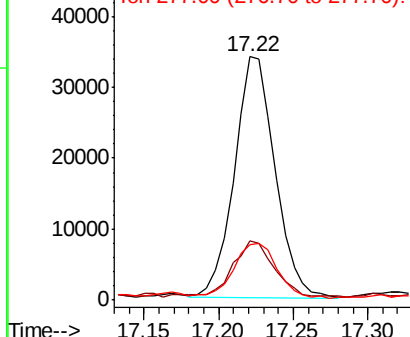
Tgt Ion:	276	Resp:	64355
Ion Ratio	Lower	Upper	
276	100		
138	24.0	18.5	27.7
277	24.5	20.0	30.0

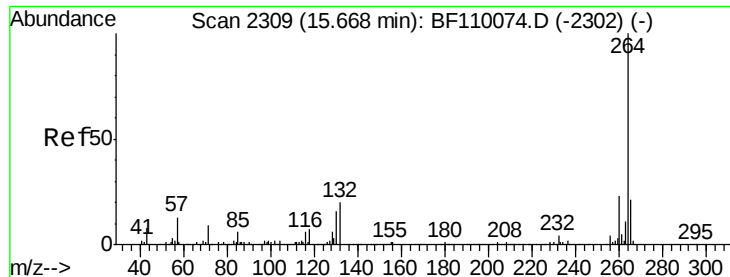
Abundance

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: BF110171.D

Acq: 25 Oct 2018 20:12

Instrument :

BNA_F

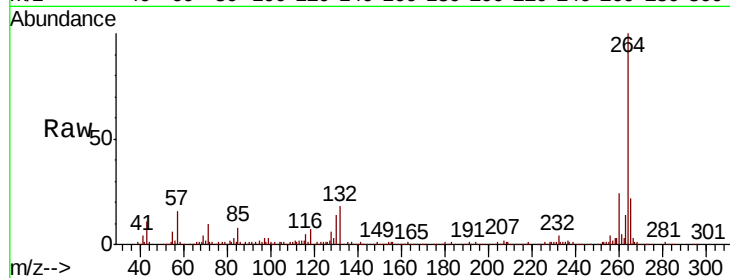
ClientSampled :

DW-01

Tot Ion:	264	Resp:	252272
Ion Ratio		Lower	Upper
264	100		
260	24.5	18.7	28.1
265	22.4	16.7	25.1

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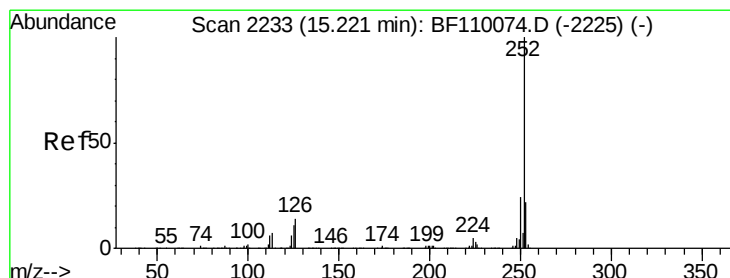
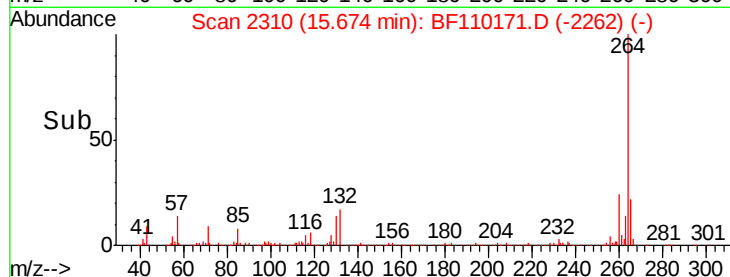
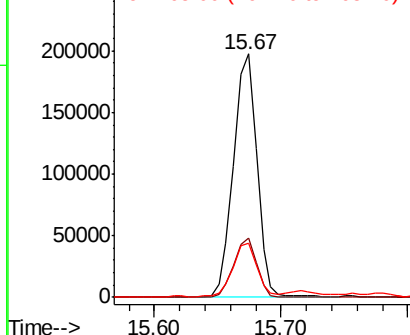


Abundance

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: 11.700 ng m

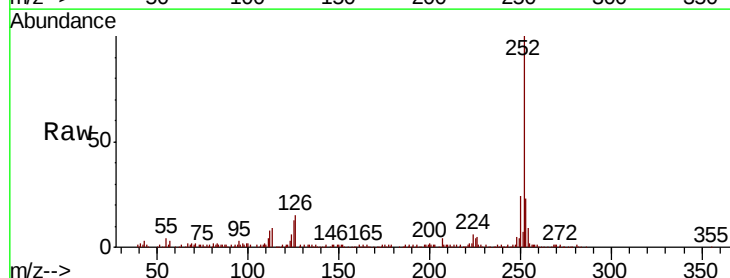
RT: 15.22 min Scan# 2232

Delta R.T. -0.02 min

Lab File: BF110171.D

Acq: 25 Oct 2018 20:12

Tgt Ion:	252	Resp:	170443
Ion Ratio		Lower	Upper
252	100		
253	23.1	17.2	25.8
125	12.8	8.2	12.4#

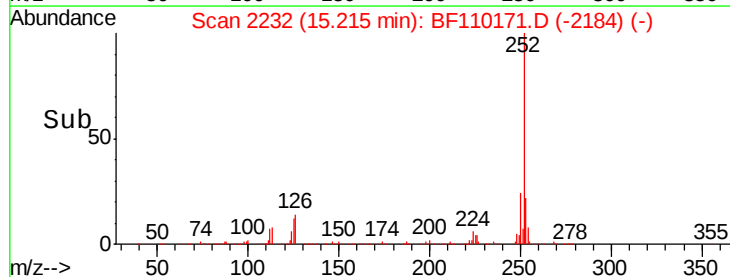
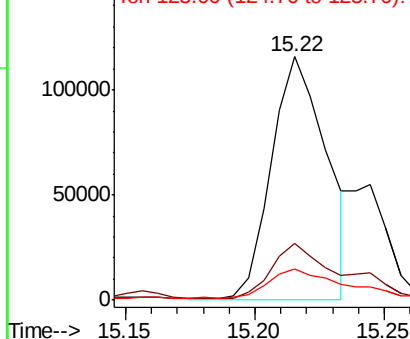


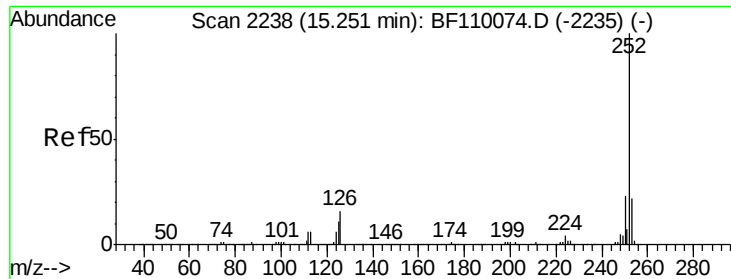
Abundance

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





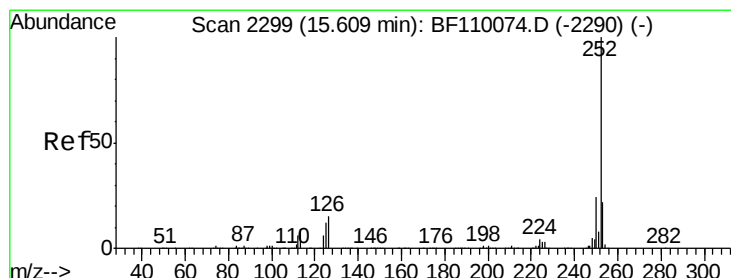
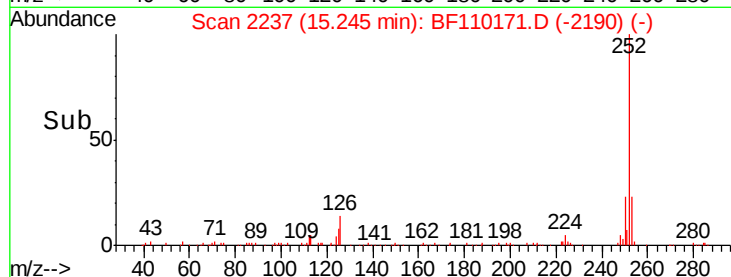
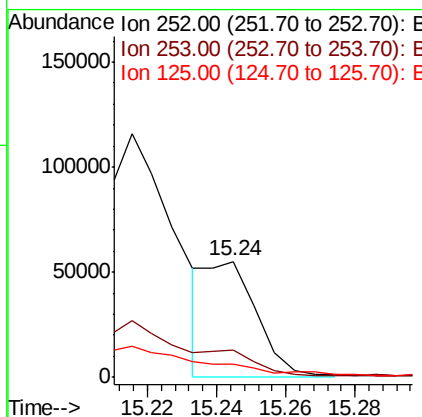
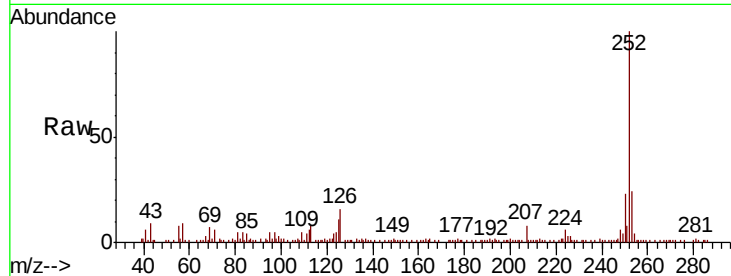
#89
Benzo(k)fluoranthene
Concen: 3.913 ng m
RT: 15.24 min Scan# 2237
Delta R.T. -0.02 min
Lab File: BF110171.D
Acq: 25 Oct 2018 20:12

Instrument :
BNA_F
ClientSampled :
DW-01

Tot Ion:	252	Resp:	56041
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.2	25.8
125	10.9	7.4	11.0

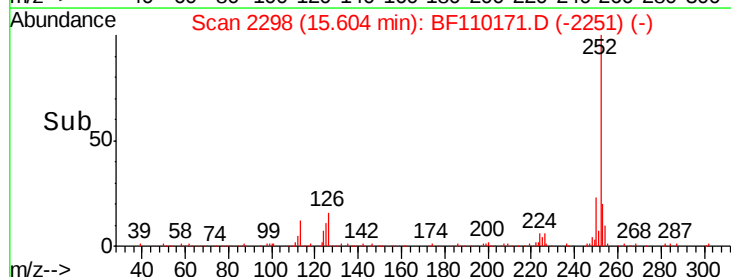
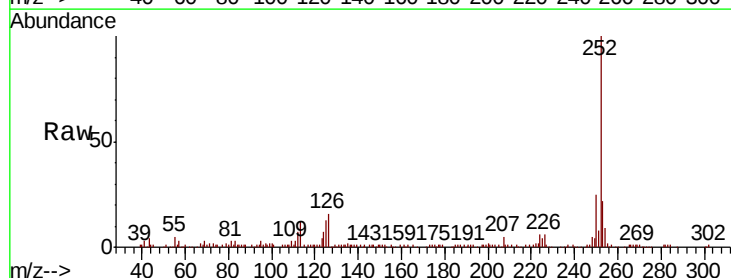
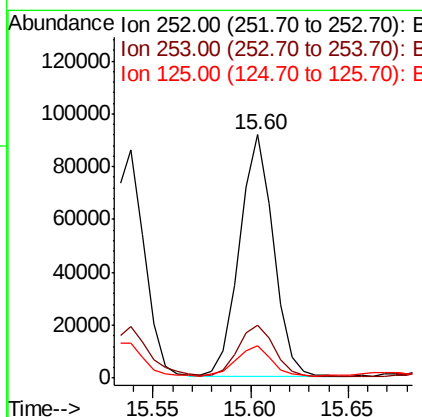
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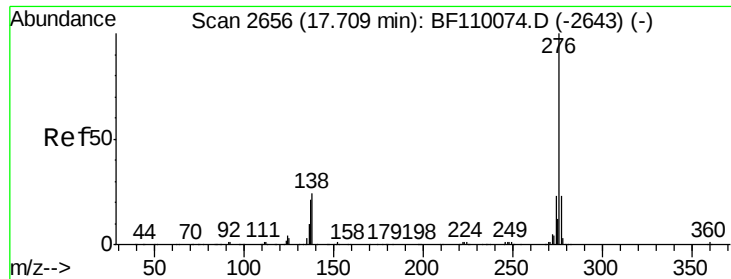
Sohil
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#90
Benzo(a)pyrene
Concen: 8.229 ng
RT: 15.60 min Scan# 2298
Delta R.T. -0.02 min
Lab File: BF110171.D
Acq: 25 Oct 2018 20:12

Tgt Ion:	252	Resp:	110310
Ion Ratio	Lower	Upper	
252	100		
253	21.5	18.2	27.4
125	13.4	9.0	13.6





#92
 Benzo(a,h,i)perylene
 Concen: 5.811 ng
 RT: 17.70 min Scan# 2655
 Delta R.T. -0.04 min
 Lab File: BF110171.D
 Acq: 25 Oct 2018 20:12

Instrument :
 BNA_F
 ClientSampleId :
 DW-01

Tot Ion:	276	Resp:	66226
Ion Ratio		Lower	Upper
276	100		
277	23.9	18.8	28.2
138	20.3	16.0	24.0

Manual Integrations
 APPROVED

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 10/26/2018 3:49:21 PM

