

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
 Data File : BF110125.D
 Acq On : 24 Oct 2018 19:55
 Operator : JU/SJ
 Sample : J5198-29 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-102318-E

Manual Integrations
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 10/25/2018 11:15:27 AM

Quant Time: Oct 25 04:31:41 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	6.97	152	136225	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	506118	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	197969	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	343349	20.00	ng	-0.01
76) Chrysene-d12	14.15	240	259691	20.00	ng	-0.01
87) Perylene-d12	15.68	264	185480	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	416800	49.82	ng	-0.02
7) Phenol-d6	6.59	99	501243	46.85	ng	-0.02
23) Nitrobenzene-d5	7.53	82	273104	32.01	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	83405	42.53	ng	-0.01
45) 2-Fluorobiphenyl	9.32	172	502495	39.86	ng	-0.02
79) Terphenyl-d14	13.09	244	448933	35.95	ng	-0.02
Target Compounds						
10) Phenol	6.60	94	65959	5.767	ng	Qvalue # 60
50) Dimethylphthalate	9.72	163	68791	4.707	ng	98
71) Phenanthrene	11.53	178	131396	7.314	ng	100
72) Anthracene	11.58	178	42446	2.357	ng	97
75) Fluoranthene	12.72	202	276336	15.156	ng	99
78) Pyrene	12.95	202	261900	14.067	ng	98
81) Benzo(a)anthracene	14.14	228	118379	7.687	ng	95
83) Chrysene	14.18	228	110534	7.557	ng	98
84) Bis(2-ethylhexyl)phthalate	14.11	149	48941	4.480	ng	96
86) Indeno(1,2,3-cd)pyrene	17.24	276	45158	3.721	ng	# 91
88) Benzo(b)fluoranthene	15.23	252	120082m	11.211	ng	
89) Benzo(k)fluoranthene	15.25	252	38237m	3.631	ng	
90) Benzo(a)pyrene	15.62	252	76155	7.727	ng	# 93
92) Benzo(a,h,i)perylene	17.72	276	44759	5.341	ng	# 85

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

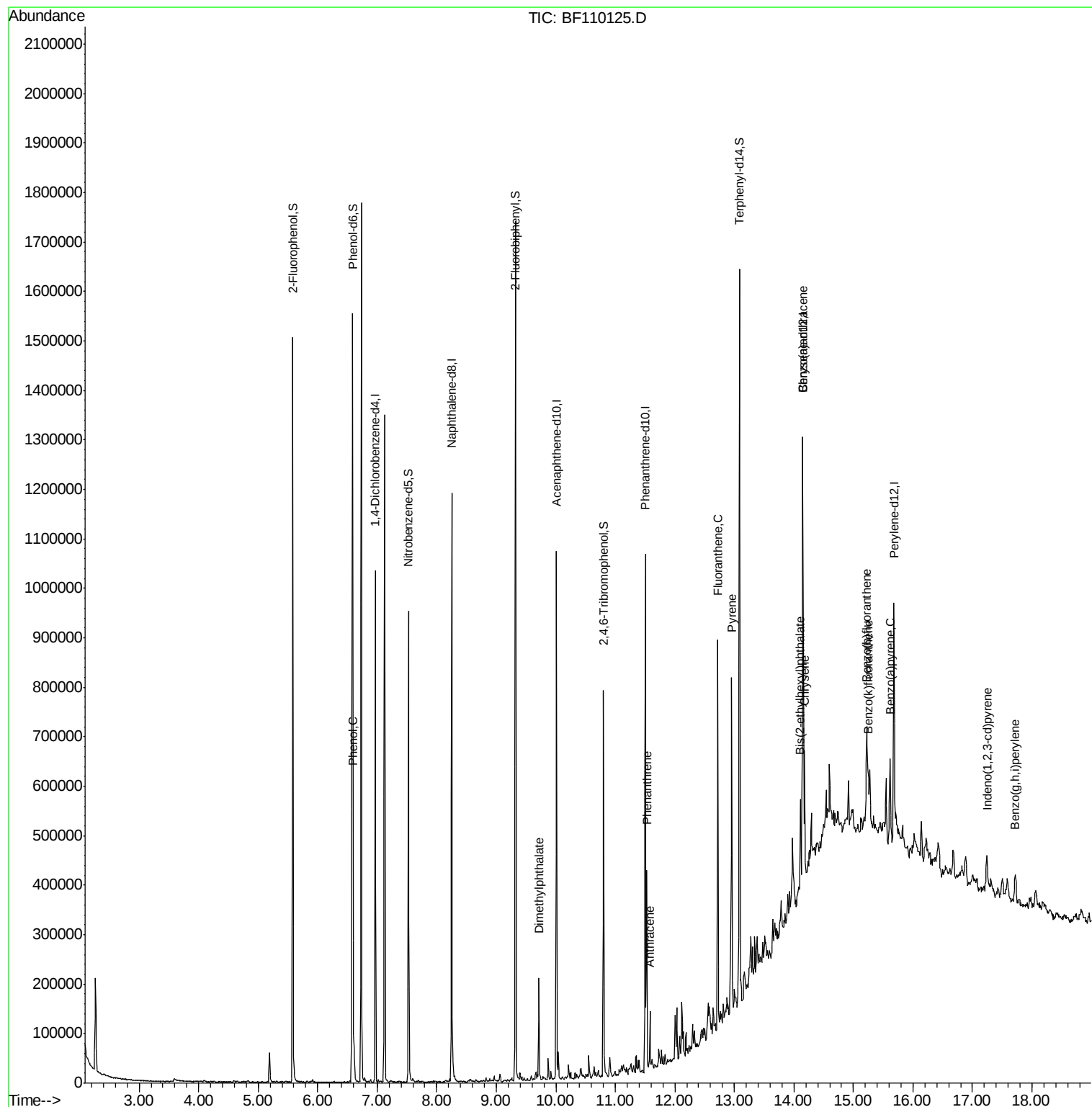
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
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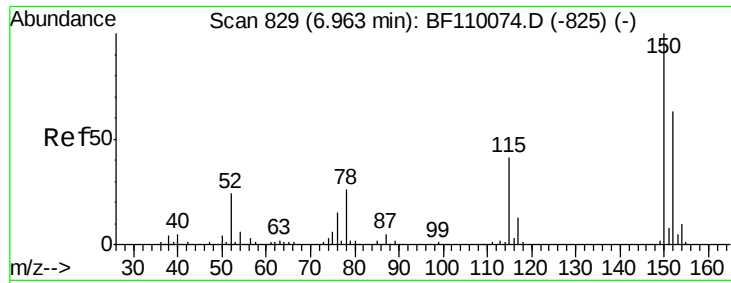
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
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#1

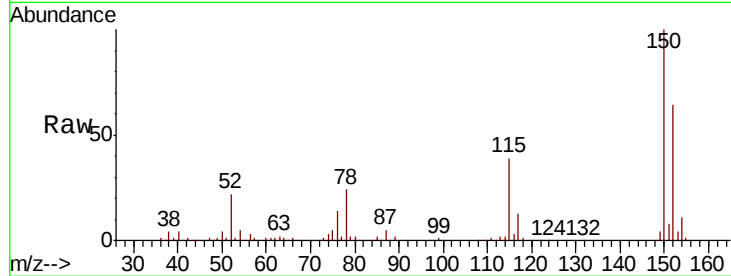
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110125.D
Acq: 24 Oct 2018 19:55

Instrument :
BNA_F
ClientSampleId :
CL-01-102318-E

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	122.7	184.1
115	61.5	49.1	73.7

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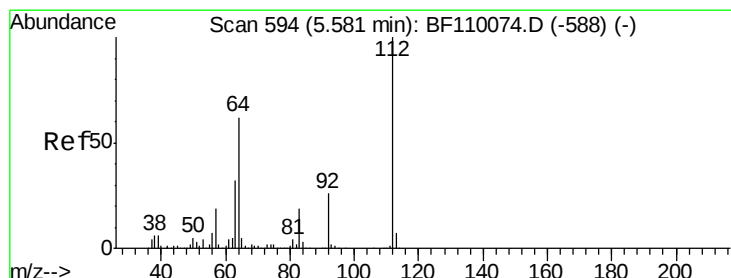
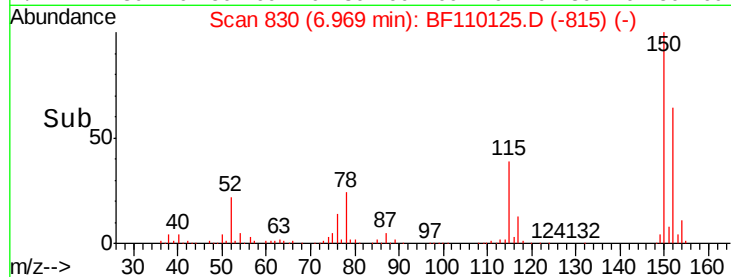
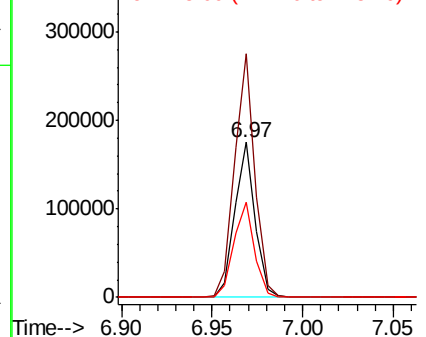


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

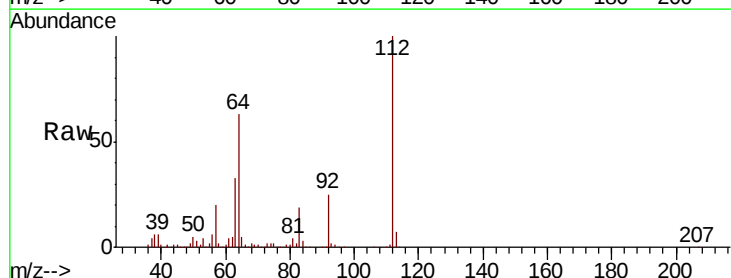
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 49.825 ng
RT: 5.58 min Scan# 594
Delta R.T. -0.02 min
Lab File: BF110125.D
Acq: 24 Oct 2018 19:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.1	44.1	66.1
63	33.4	23.7	35.5

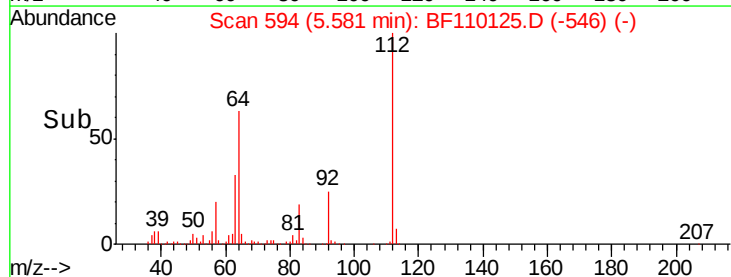
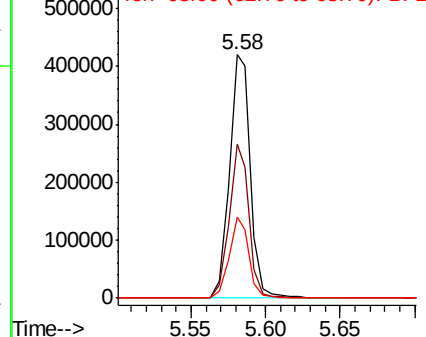


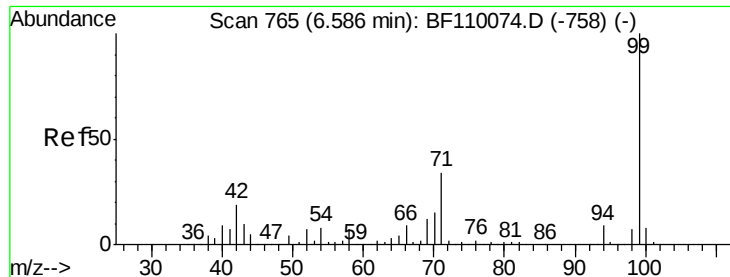
Abundance

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: 46.846 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.02 min

Lab File: BF110125.D

Acq: 24 Oct 2018 19:55

Instrument :

BNA_F

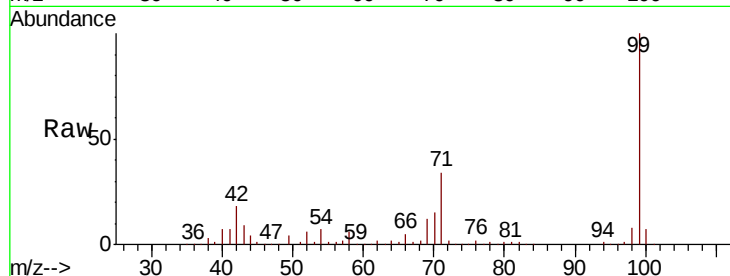
ClientSampleId :

CL-01-102318-E

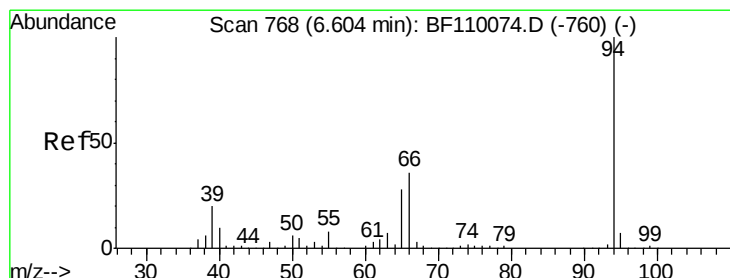
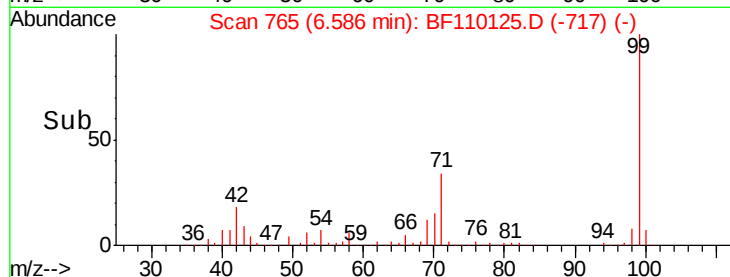
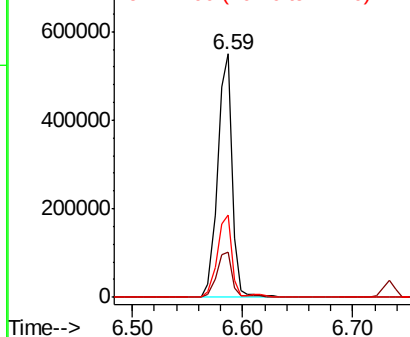
Tot Ion:	99	Resp:	501243
Ion Ratio	Lower	Upper	
99	100		
42	18.5	15.8	23.6
71	33.7	28.0	42.0

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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: 5.767 ng

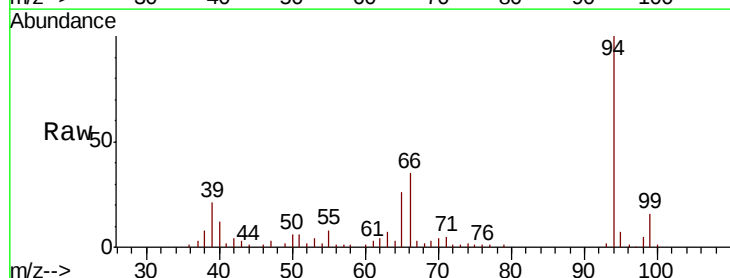
RT: 6.60 min Scan# 767

Delta R.T. -0.02 min

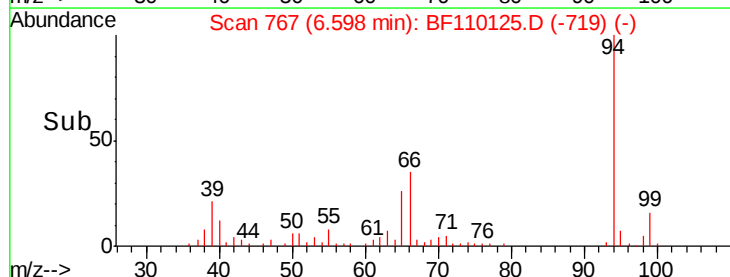
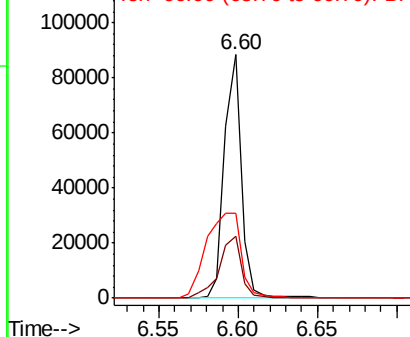
Lab File: BF110125.D

Acq: 24 Oct 2018 19:55

Tgt Ion:	94	Resp:	65959
Ion Ratio	Lower	Upper	
94	100		
65	25.7	25.3	65.3
66	35.1	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





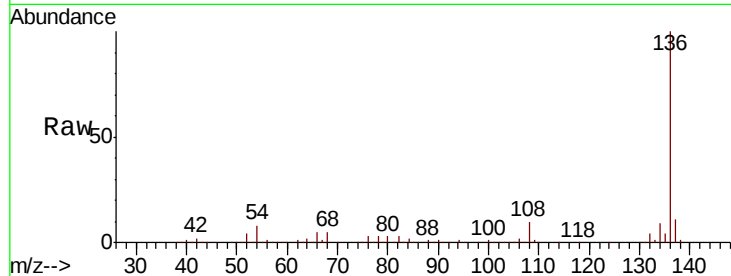
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.02 min
Lab File: BF110125.D
Acq: 24 Oct 2018 19:55

Instrument :
BNA_F
ClientSampleId :
CL-01-102318-E

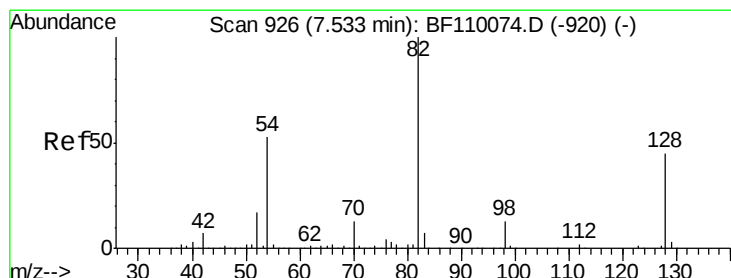
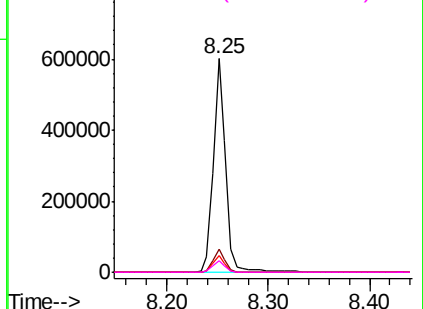
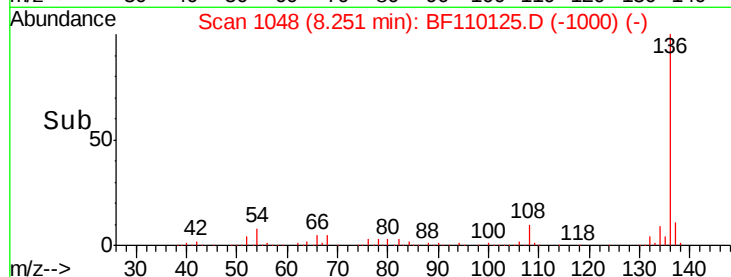
Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		506118		
137	11.0		8.8	13.2	
54	8.0		5.4	8.2	
68	5.2		4.2	6.2	

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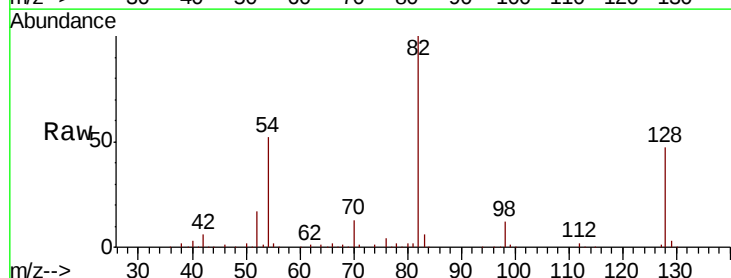


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

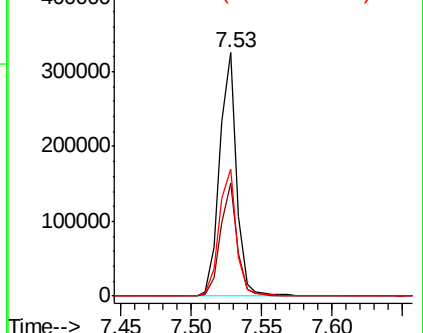
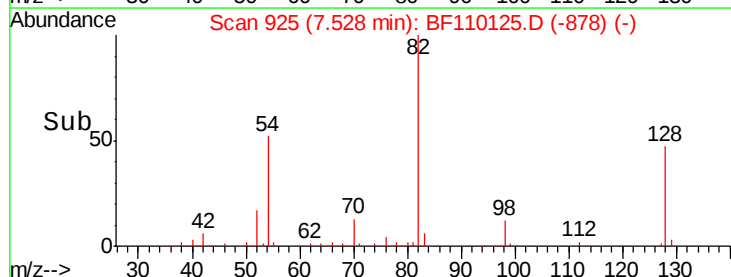


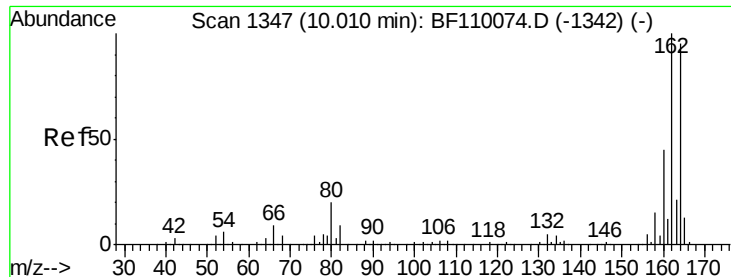
#23
Nitrobenzene-d5
Concen: 32.006 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.02 min
Lab File: BF110125.D
Acq: 24 Oct 2018 19:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		273104		
128	46.5		34.2	51.2	
54	52.2		38.6	58.0	



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





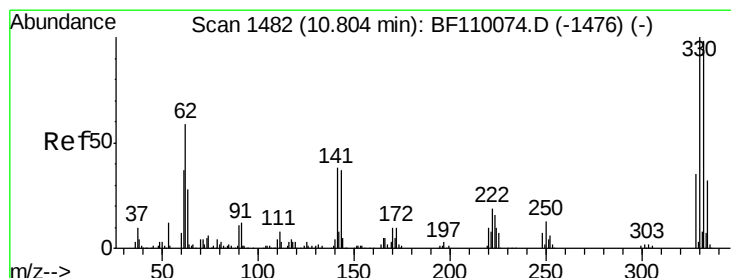
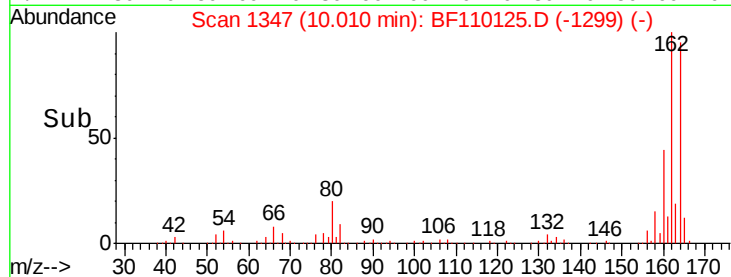
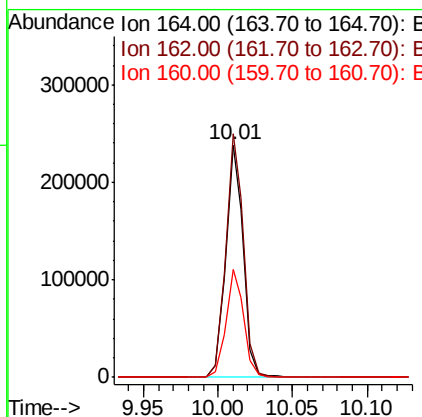
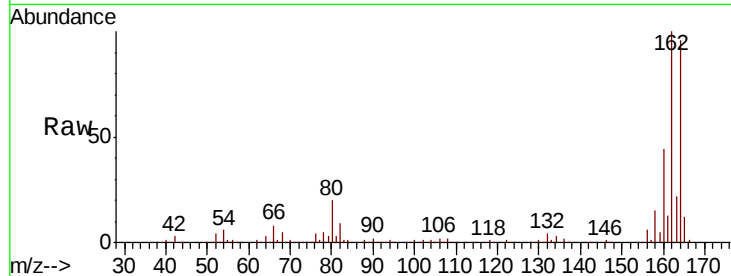
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.02 min
Lab File: BF110125.D
Acq: 24 Oct 2018 19:55

Instrument :
BNA_F
ClientSampleId :
CL-01-102318-E

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.6	83.0	124.6	
160	46.1	37.0	55.6	

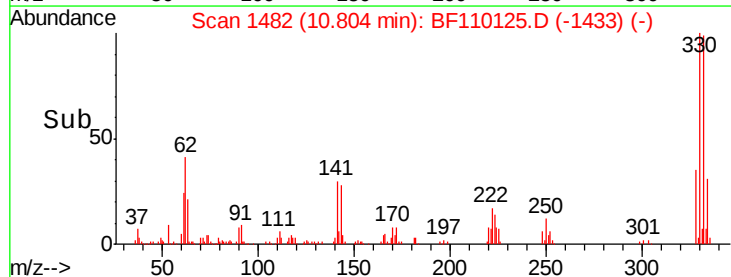
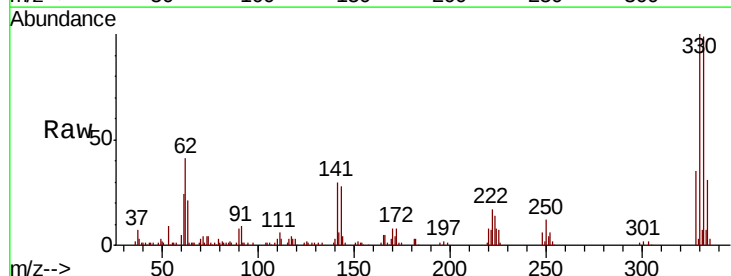
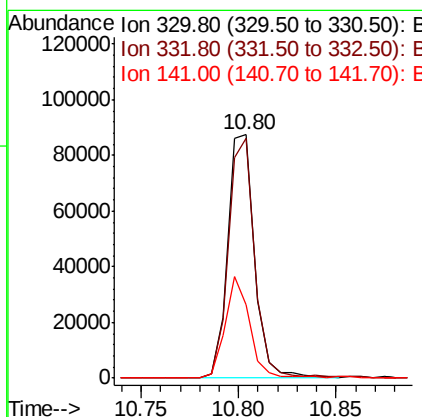
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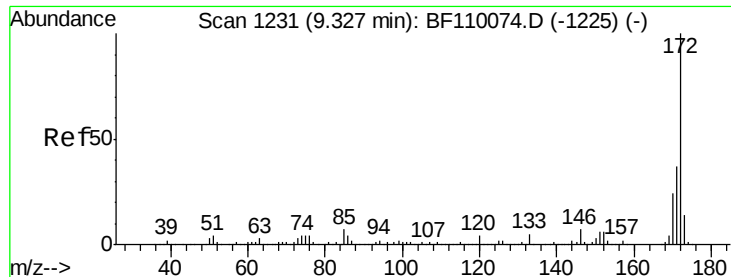
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#42
2,4,6-Tribromophenol
Concen: 42.532 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF110125.D
Acq: 24 Oct 2018 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.7	77.1	115.7	
141	39.1	27.0	40.4	





#45

2-Fluorobiphenyl

Concen: 39.857 ng

RT: 9.32 min Scan# 1230

Delta R.T. -0.02 min

Lab File: BF110125.D

Acq: 24 Oct 2018 19:55

Instrument :

BNA_F

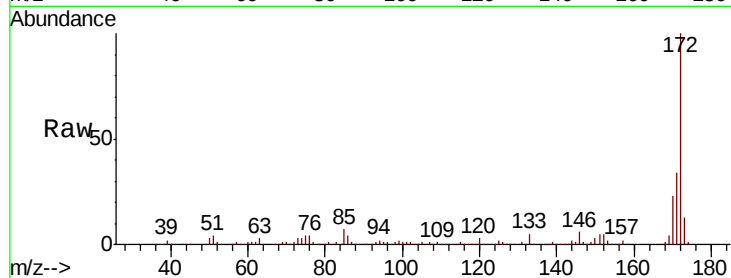
ClientSampleId :

CL-01-102318-E

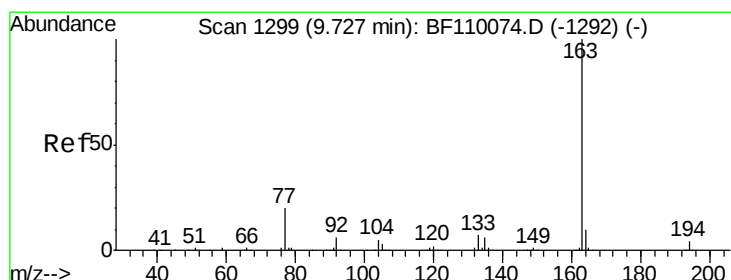
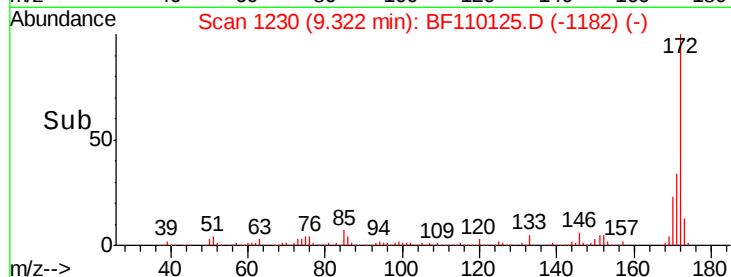
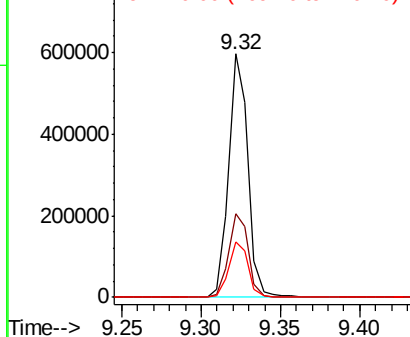
Tot Ion:	172	Resp:	502495
Ion Ratio	Lower	Upper	
172	100		
171	34.2	28.6	43.0
170	23.0	19.7	29.5

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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: 4.707 ng

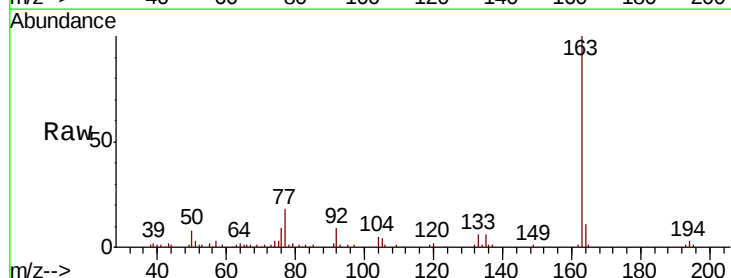
RT: 9.72 min Scan# 1297

Delta R.T. -0.02 min

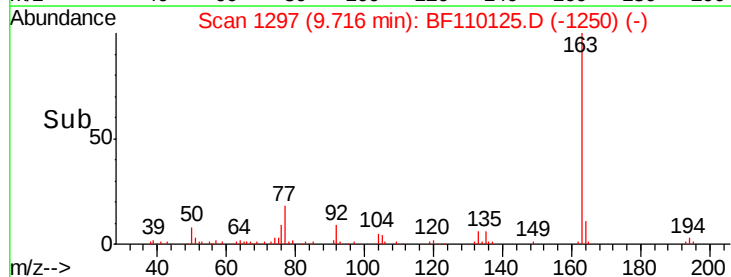
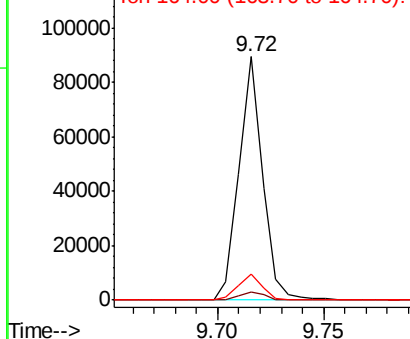
Lab File: BF110125.D

Acq: 24 Oct 2018 19:55

Tgt Ion:	163	Resp:	68791
Ion Ratio	Lower	Upper	
163	100		
194	3.3	3.2	4.8
164	10.7	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





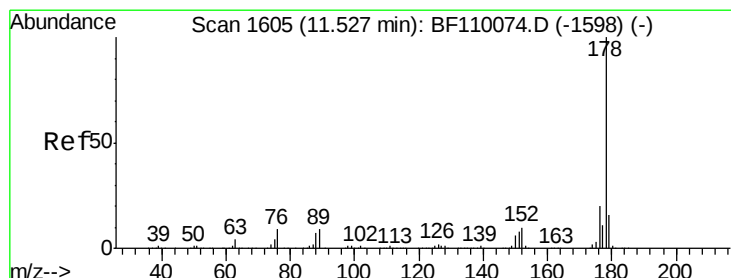
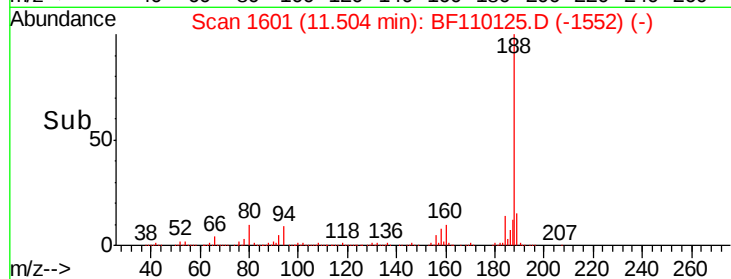
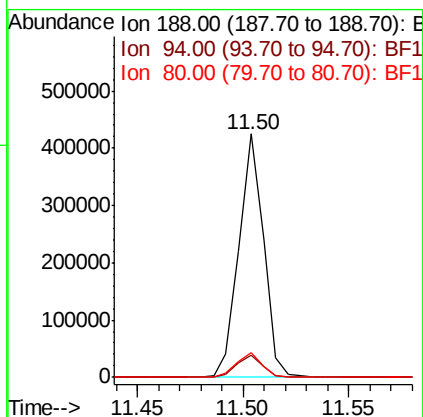
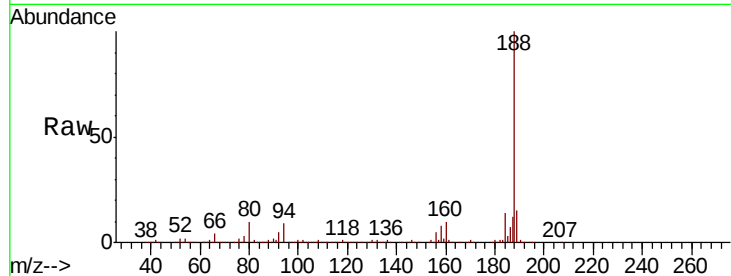
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110125.D
Acq: 24 Oct 2018 19:55

Instrument :
BNA_F
ClientSampleId :
CL-01-102318-E

Tot Ion	Ratio	Resp	Lower	Upper
188	100	343349		
94	9.3		7.2	10.8
80	10.1		7.9	11.9

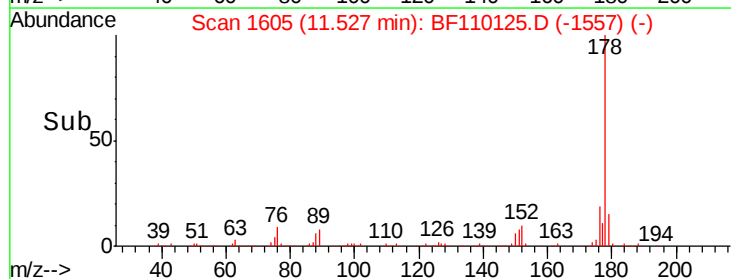
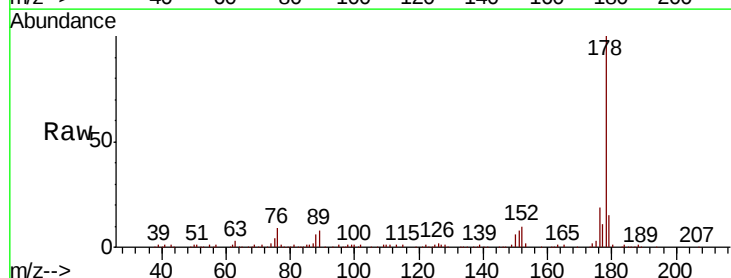
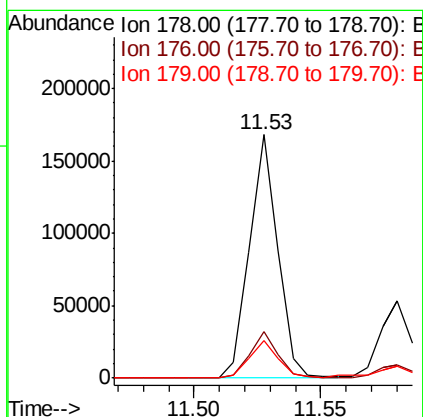
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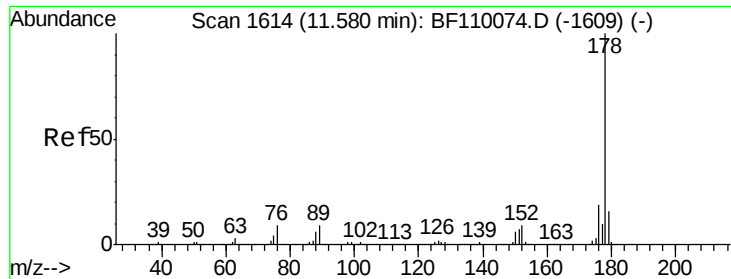
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#71
Phenanthrene
Concen: 7.314 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.02 min
Lab File: BF110125.D
Acq: 24 Oct 2018 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	131396		
176	19.2		15.5	23.3
179	15.5		12.5	18.7





#72

Anthracene

Concen: 2.357 ng

RT: 11.58 min Scan# 1614

Delta R.T. -0.02 min

Lab File: BF110125.D

Acq: 24 Oct 2018 19:55

Instrument :

BNA_F

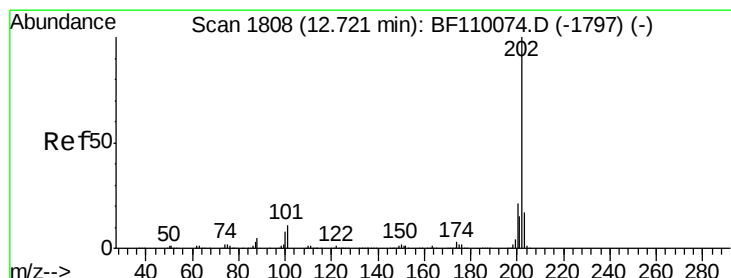
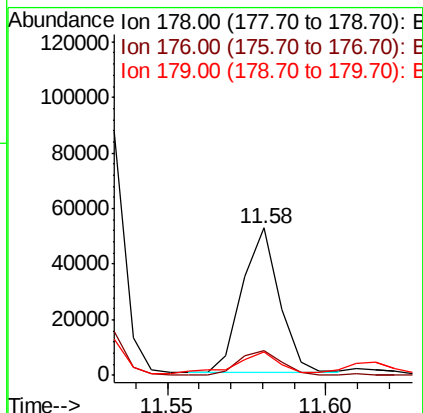
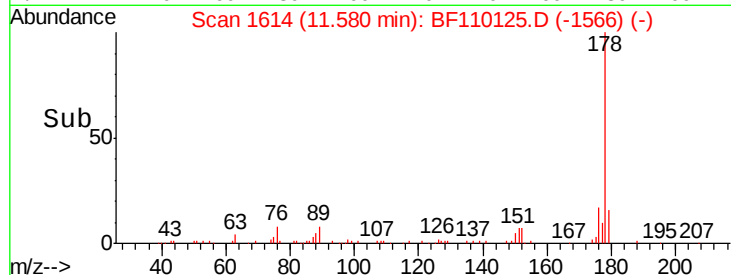
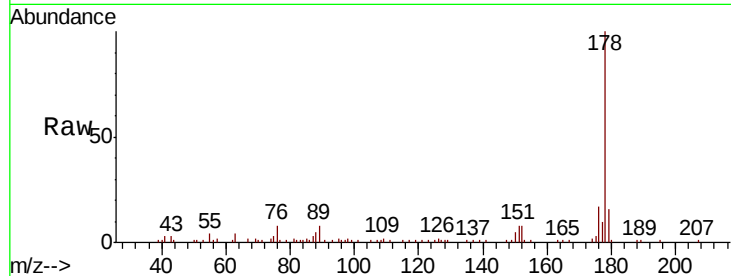
ClientSampleId :

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Tot Ion:	178	Resp:	42446
Ion	Ratio	Lower	Upper
178	100		
176	17.2	15.4	23.2
179	15.9	12.6	18.8

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#75

Fluoranthene

Concen: 15.156 ng

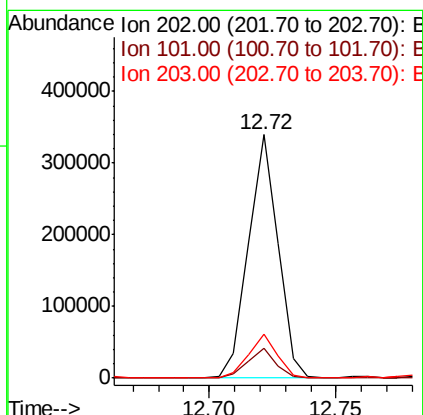
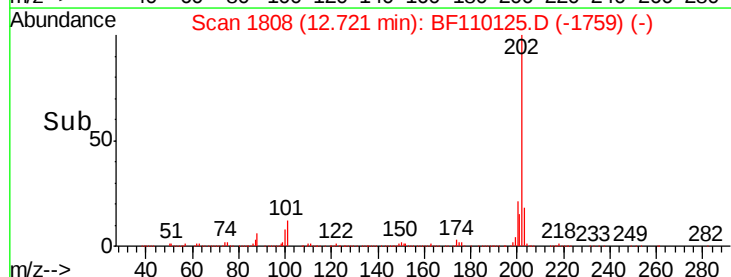
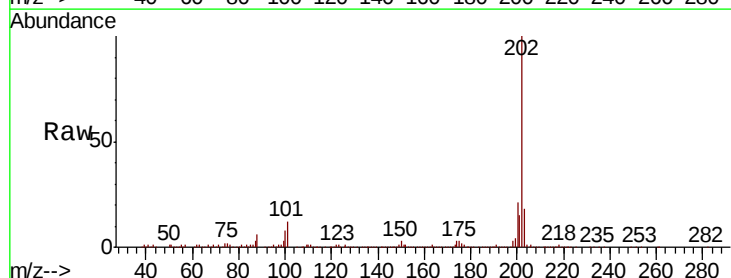
RT: 12.72 min Scan# 1808

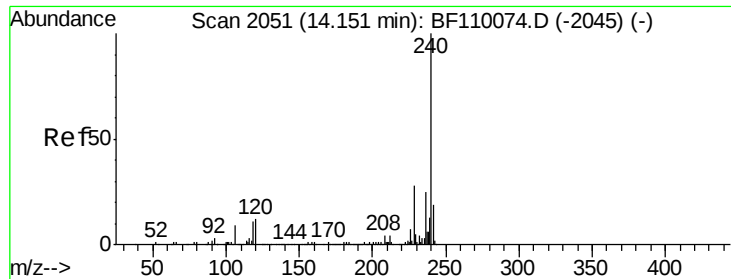
Delta R.T. -0.01 min

Lab File: BF110125.D

Acq: 24 Oct 2018 19:55

Tgt Ion:	202	Resp:	276336
Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	31.4
203	18.1	0.0	37.7





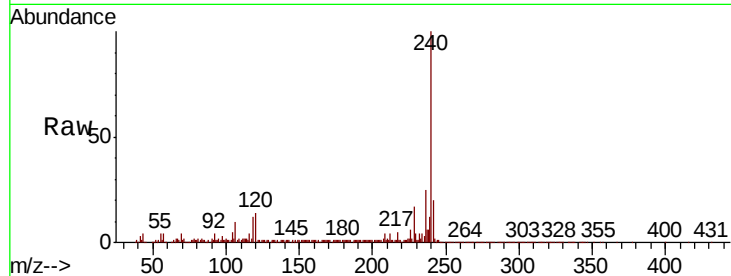
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF110125.D
Acq: 24 Oct 2018 19:55

Instrument :
BNA_F
ClientSampleId :
CL-01-102318-E

Tot Ion	Ratio	Resp	Lower	Upper
240	100	259691		
120	13.8	8.3	12.5#	
236	24.8	21.2	31.8	

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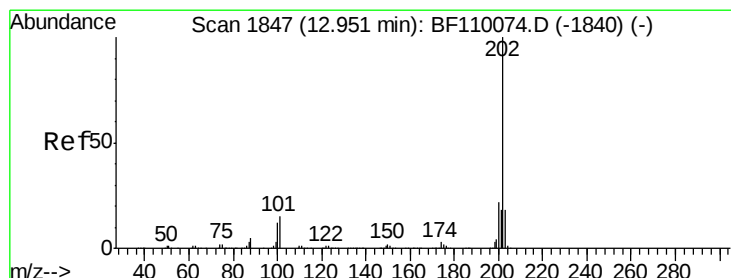
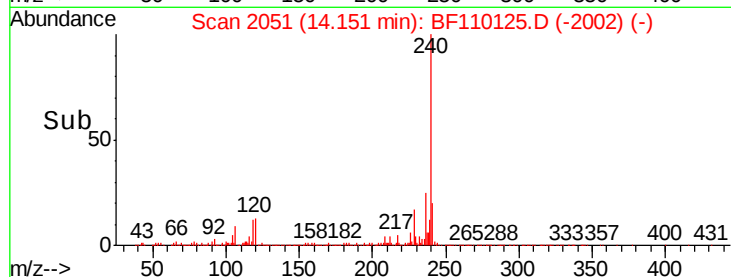
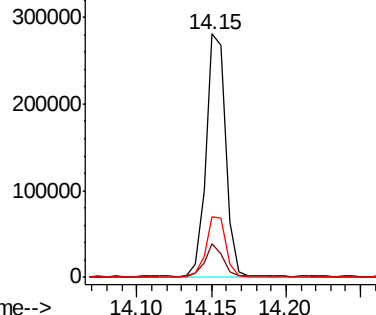


Abundance

Ion 240.00 (239.70 to 240.70): E

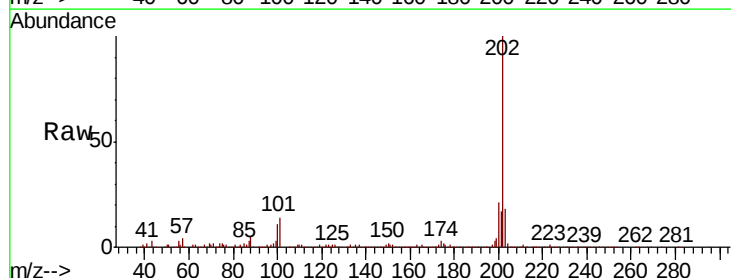
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 14.067 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.02 min
Lab File: BF110125.D
Acq: 24 Oct 2018 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	261900		
200	20.9	17.8	26.6	
203	17.6	14.2	21.4	

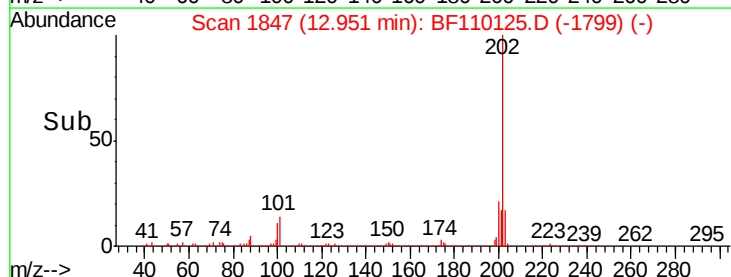
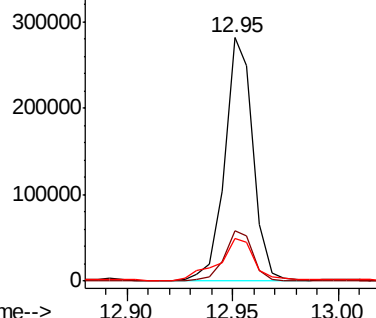


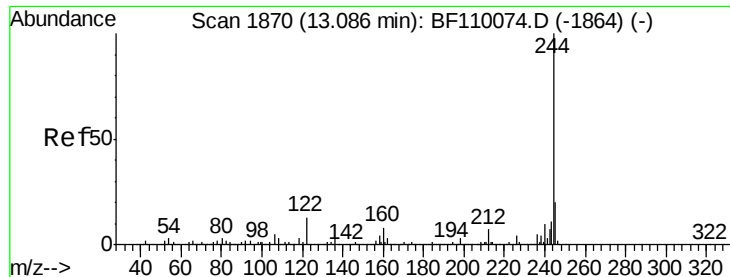
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





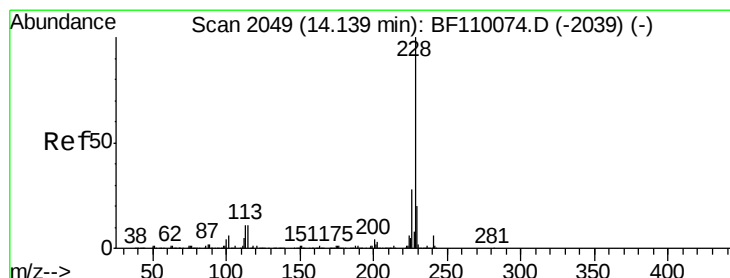
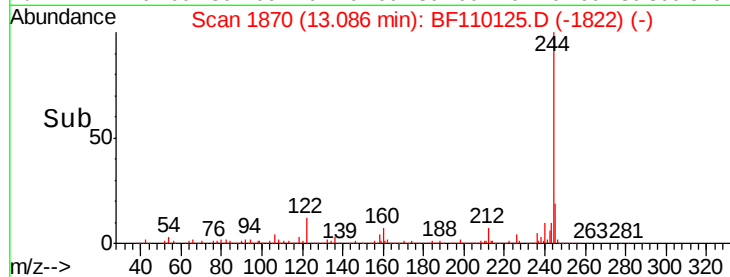
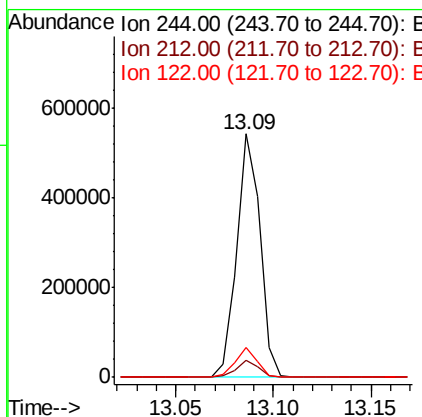
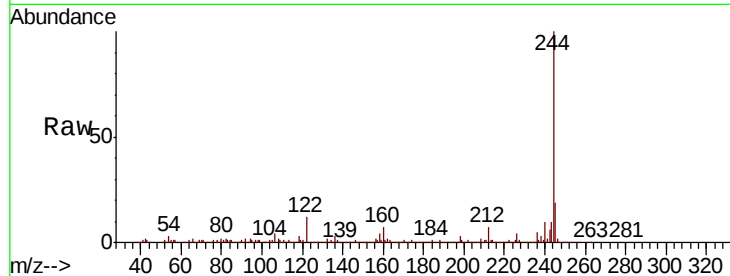
#79
 Terphenyl-d14
 Concen: 35.952 ng
 RT: 13.09 min Scan# 1870
 Delta R.T. -0.02 min
 Lab File: BF110125.D
 Acq: 24 Oct 2018 19:55

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-102318-E

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.9	5.8	8.8	
122	12.4	8.7	13.1	

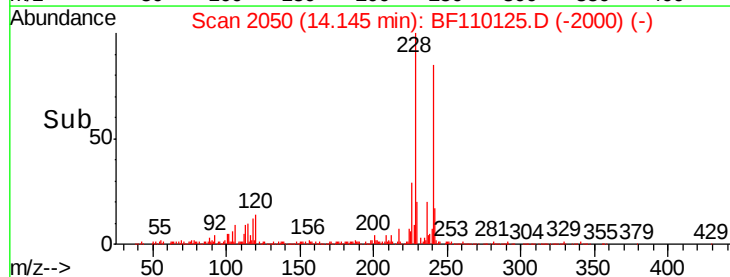
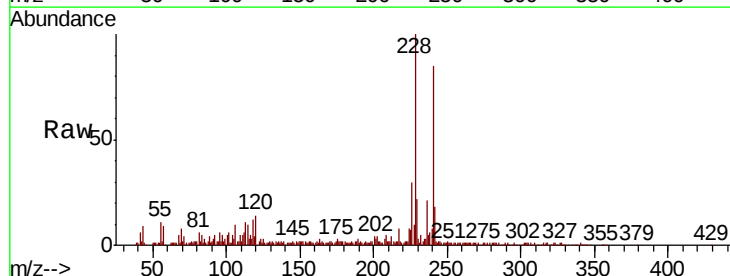
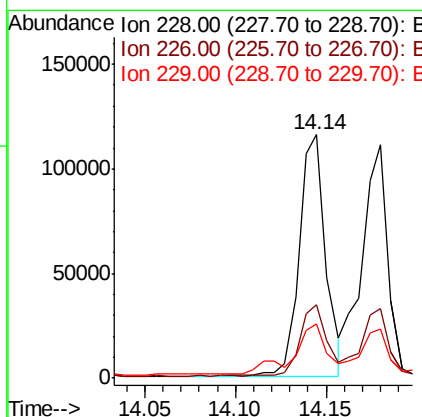
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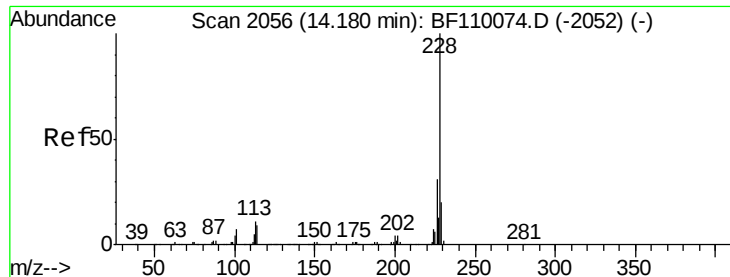
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#81
 Benzo(a)anthracene
 Concen: 7.687 ng
 RT: 14.14 min Scan# 2050
 Delta R.T. -0.01 min
 Lab File: BF110125.D
 Acq: 24 Oct 2018 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	30.4	22.1	33.1	
229	22.1	15.6	23.4	





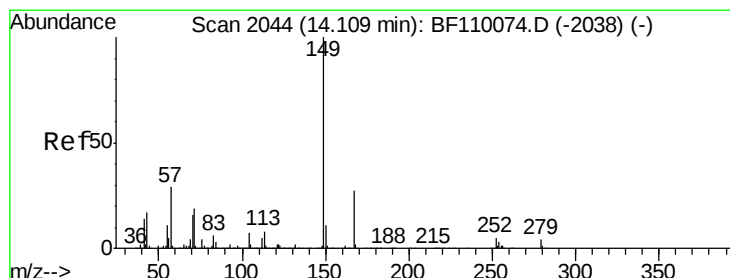
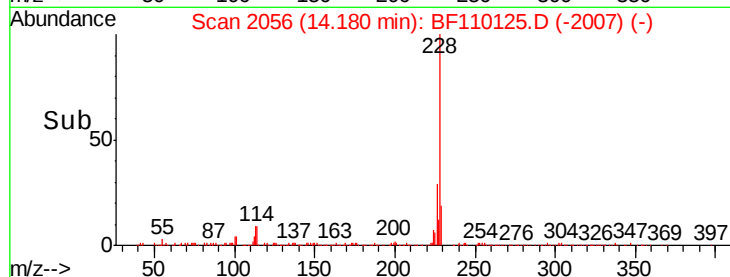
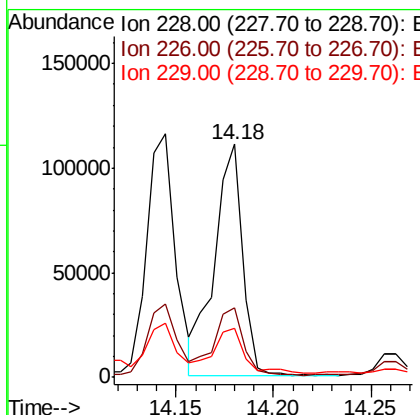
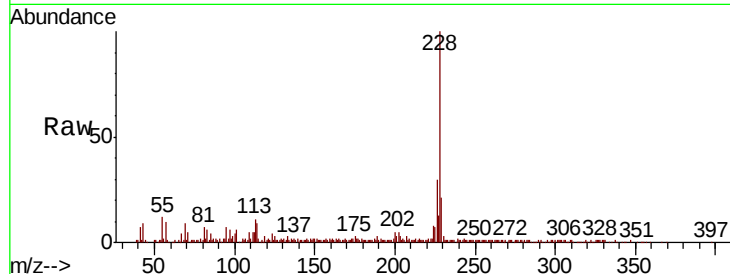
#83
Chrysene
Concen: 7.557 ng
RT: 14.18 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BF110125.D
Acq: 24 Oct 2018 19:55

Instrument :
BNA_F
ClientSampleId :
CL-01-102318-E

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.7	37.1
229	21.0	15.9	23.9

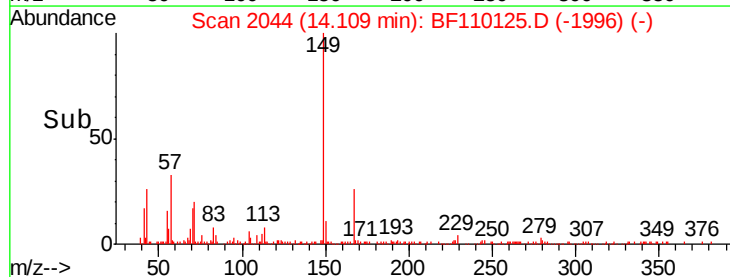
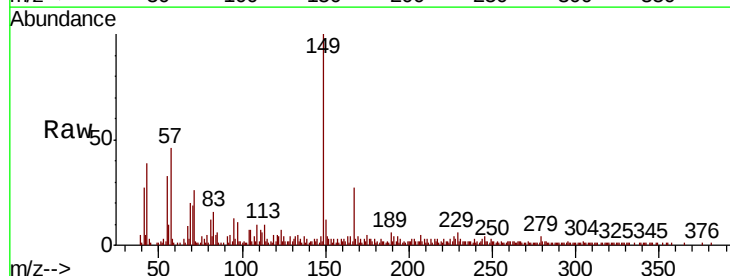
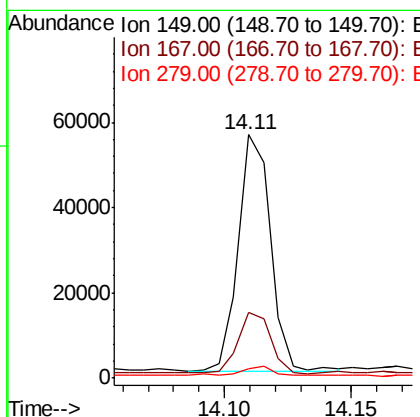
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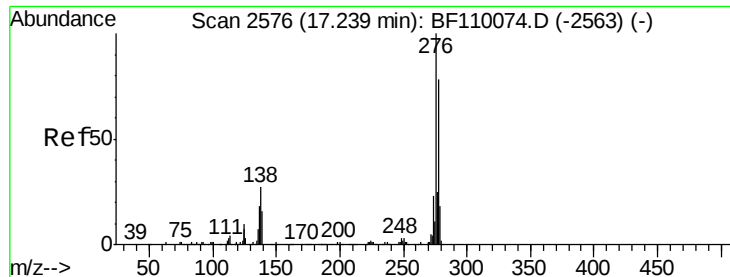
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#84
Bis(2-ethylhexyl)phthalate
Concen: 4.480 ng
RT: 14.11 min Scan# 2044
Delta R.T. -0.02 min
Lab File: BF110125.D
Acq: 24 Oct 2018 19:55

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.1	19.8	29.8
279	4.0	2.7	4.1





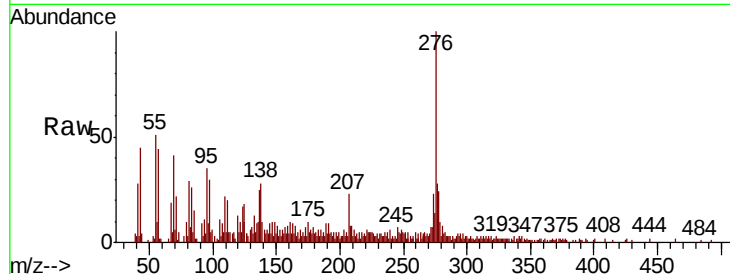
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.721 ng
 RT: 17.24 min Scan# 2577
 Delta R.T. -0.02 min
 Lab File: BF110125.D
 Acq: 24 Oct 2018 19:55

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-102318-E

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.1	18.5	27.7#
277	28.0	20.0	30.0

Manual Integrations
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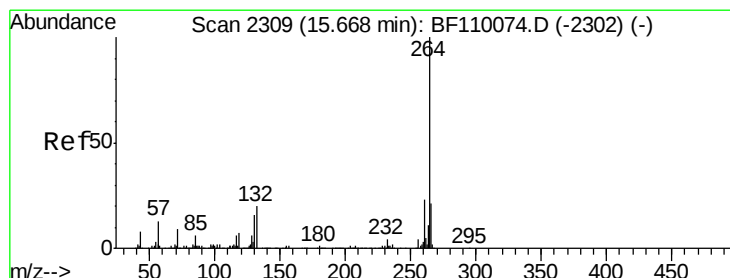
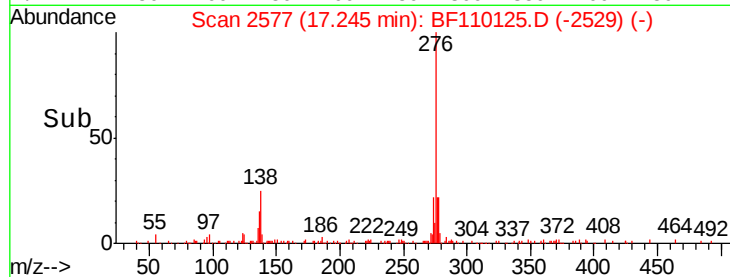
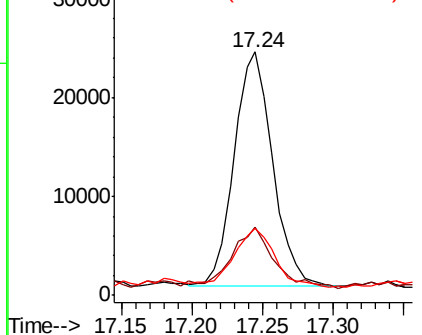


Abundance

Ion 276.00 (275.70 to 276.70): E

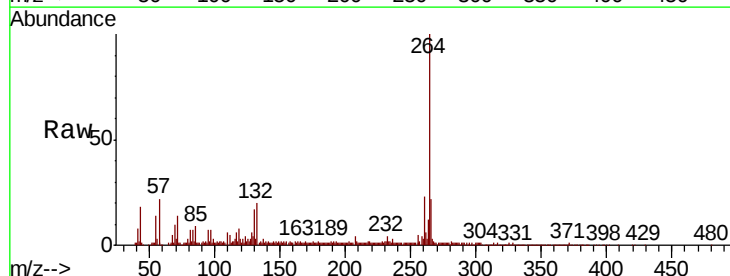
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.68 min Scan# 2311
 Delta R.T. -0.01 min
 Lab File: BF110125.D
 Acq: 24 Oct 2018 19:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.7	28.1
265	22.1	16.7	25.1

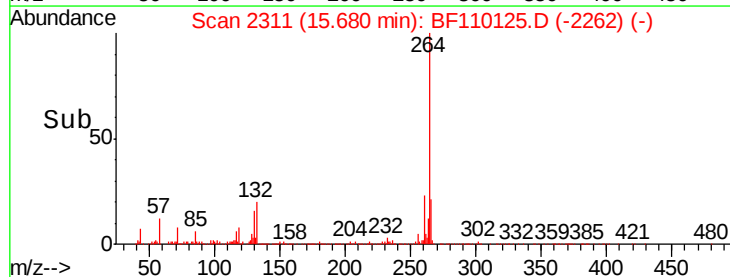
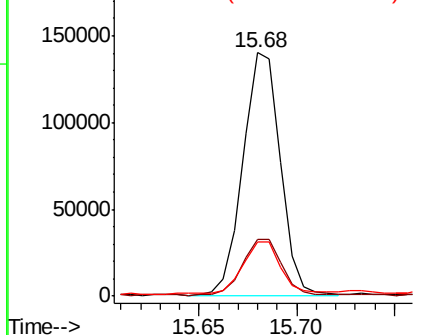


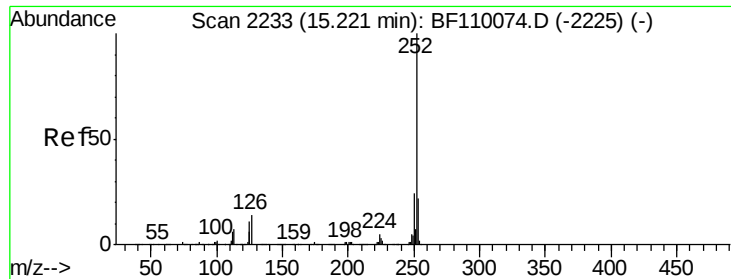
Abundance

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





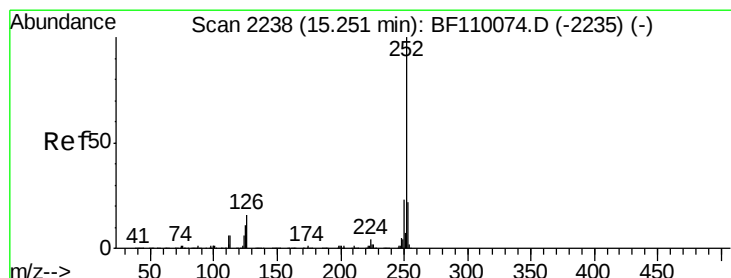
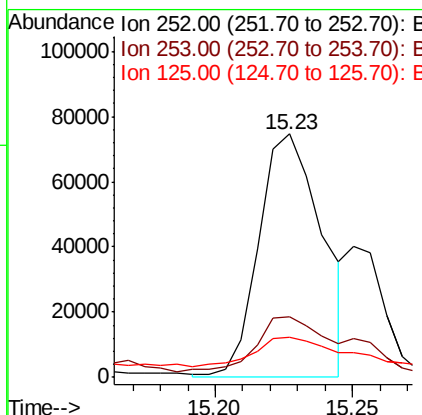
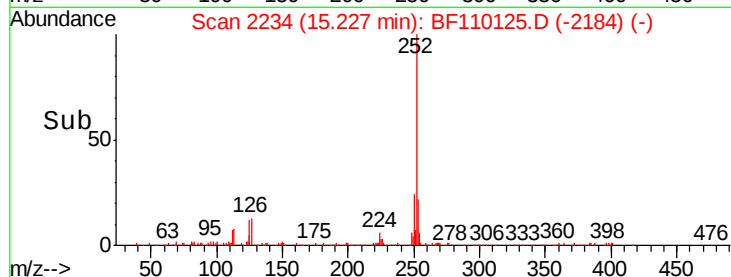
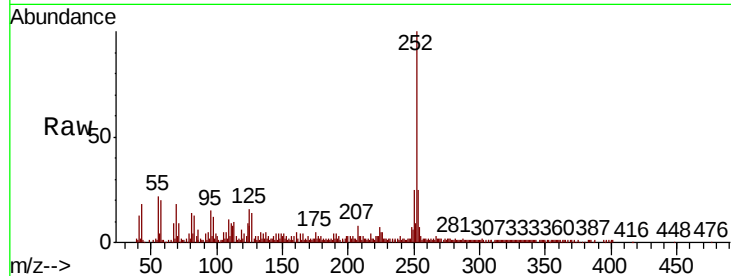
#88
Benzo(b)fluoranthene
Concen: 11.211 ng m
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF110125.D
Acq: 24 Oct 2018 19:55

Instrument :
BNA_F
ClientSampleId :
CL-01-102318-E

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.2	25.8
125	16.2	8.2	12.4

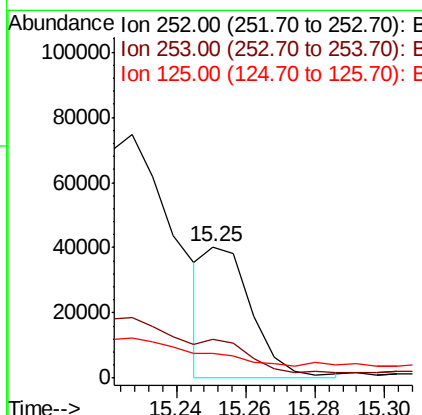
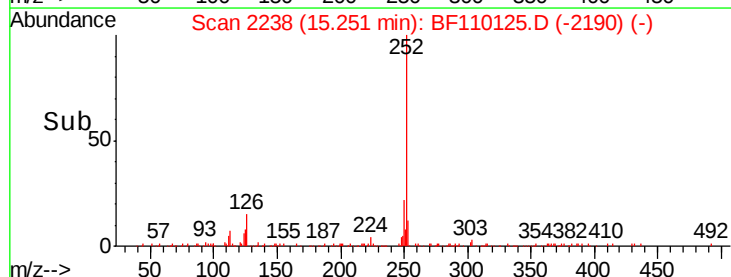
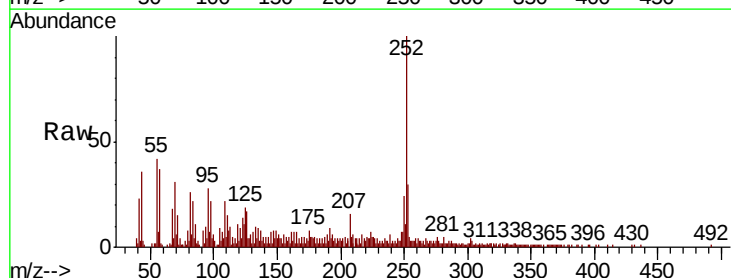
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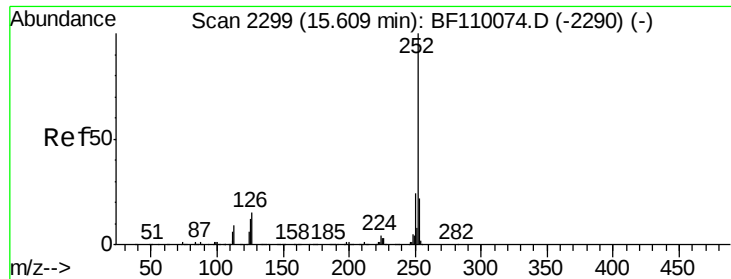
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#89
Benzo(k)fluoranthene
Concen: 3.631 ng m
RT: 15.25 min Scan# 2238
Delta R.T. -0.02 min
Lab File: BF110125.D
Acq: 24 Oct 2018 19:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.7	17.2	25.8
125	18.6	7.4	11.0





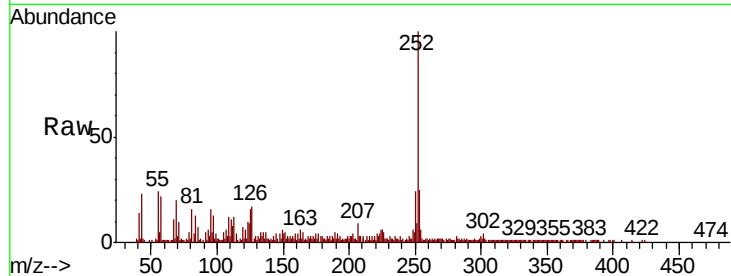
#90
Benzo(a)pyrene
Concen: 7.727 ng
RT: 15.62 min Scan# 2300
Delta R.T. -0.01 min
Lab File: BF110125.D
Acq: 24 Oct 2018 19:55

Instrument :
BNA_F
ClientSampleId :
CL-01-102318-E

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.2	27.4
125	16.2	9.0	13.6

Manual Integrations
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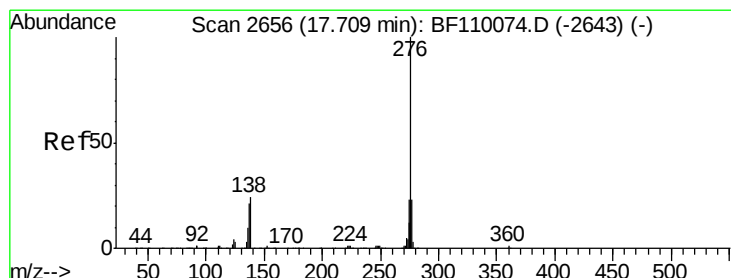
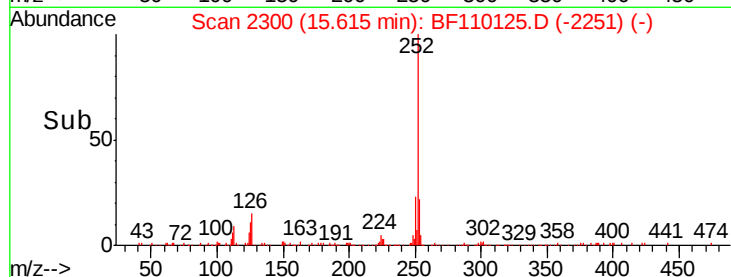
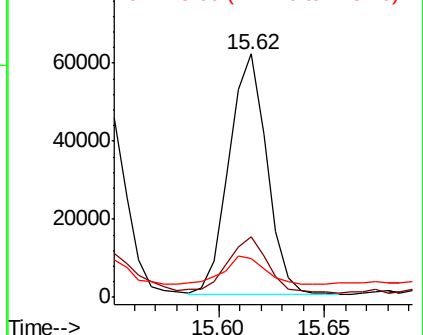


Abundance

Ion 252.00 (251.70 to 252.70): E

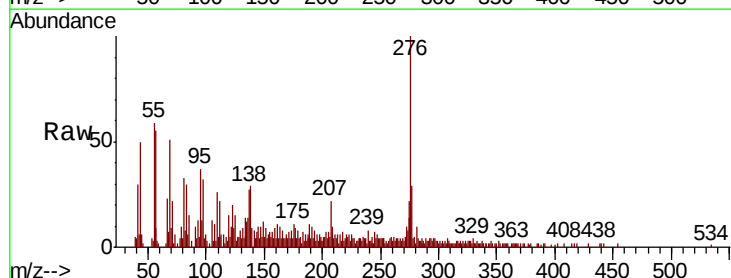
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 5.341 ng
RT: 17.72 min Scan# 2658
Delta R.T. -0.02 min
Lab File: BF110125.D
Acq: 24 Oct 2018 19:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.8	18.8	28.2
138	29.0	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

