

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102918\
 Data File : BF110284.D
 Acq On : 30 Oct 2018 1:21
 Operator : JU/SJ
 Sample : J5685-06
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-30

Manual Integrations
 APPROVED

Sohil
 10/30/2018 3:04:27 PM

Quant Time: Oct 30 09:06:52 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 29 17:29:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	120495	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	471610	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	193999	20.00	ng	0.00
64) Phenanthrene-d10	11.51	188	302385	20.00	ng	0.00
76) Chrysene-d12	14.16	240	184729	20.00	ng	0.00
87) Perylene-d12	15.69	264	139681	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	717451	96.96	ng	0.01
7) Phenol-d6	6.60	99	893563	94.41	ng	0.00
23) Nitrobenzene-d5	7.53	82	561283	70.59	ng	0.00
42) 2,4,6-Tribromophenol	10.81	330	146324	76.14	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	1019286	82.50	ng	0.00
79) Terphenyl-d14	13.09	244	699151	78.71	ng	0.00
Target Compounds						
10) Phenol	6.61	94	67938	6.715	ng	Qvalue # 61
49) Acenaphthylene	9.87	152	75587	4.067	ng	99
50) Dimethylphthalate	9.72	163	187946	13.124	ng	99
71) Phenanthrene	11.53	178	244657	15.463	ng	100
72) Anthracene	11.58	178	88119	5.556	ng	98
75) Fluoranthene	12.73	202	403080	25.102	ng	99
78) Pyrene	12.96	202	383254	28.939	ng	99
81) Benzo(a)anthracene	14.15	228	176802	16.139	ng	94
83) Chrysene	14.19	228	158398	15.223	ng	98
86) Indeno(1,2,3-cd)pyrene	17.27	276	76354	8.846	ng	99
88) Benzo(b)fluoranthene	15.24	252	185308m	22.974	ng	
89) Benzo(k)fluoranthene	15.26	252	51539m	6.499	ng	
90) Benzo(a)pyrene	15.63	252	129741	17.480	ng	98
91) Dibenzo(a,h)anthracene	17.27	278	19872	3.103	ng	# 81
92) Benzo(a,h,i)perylene	17.75	276	82071	13.005	ng	# 93

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

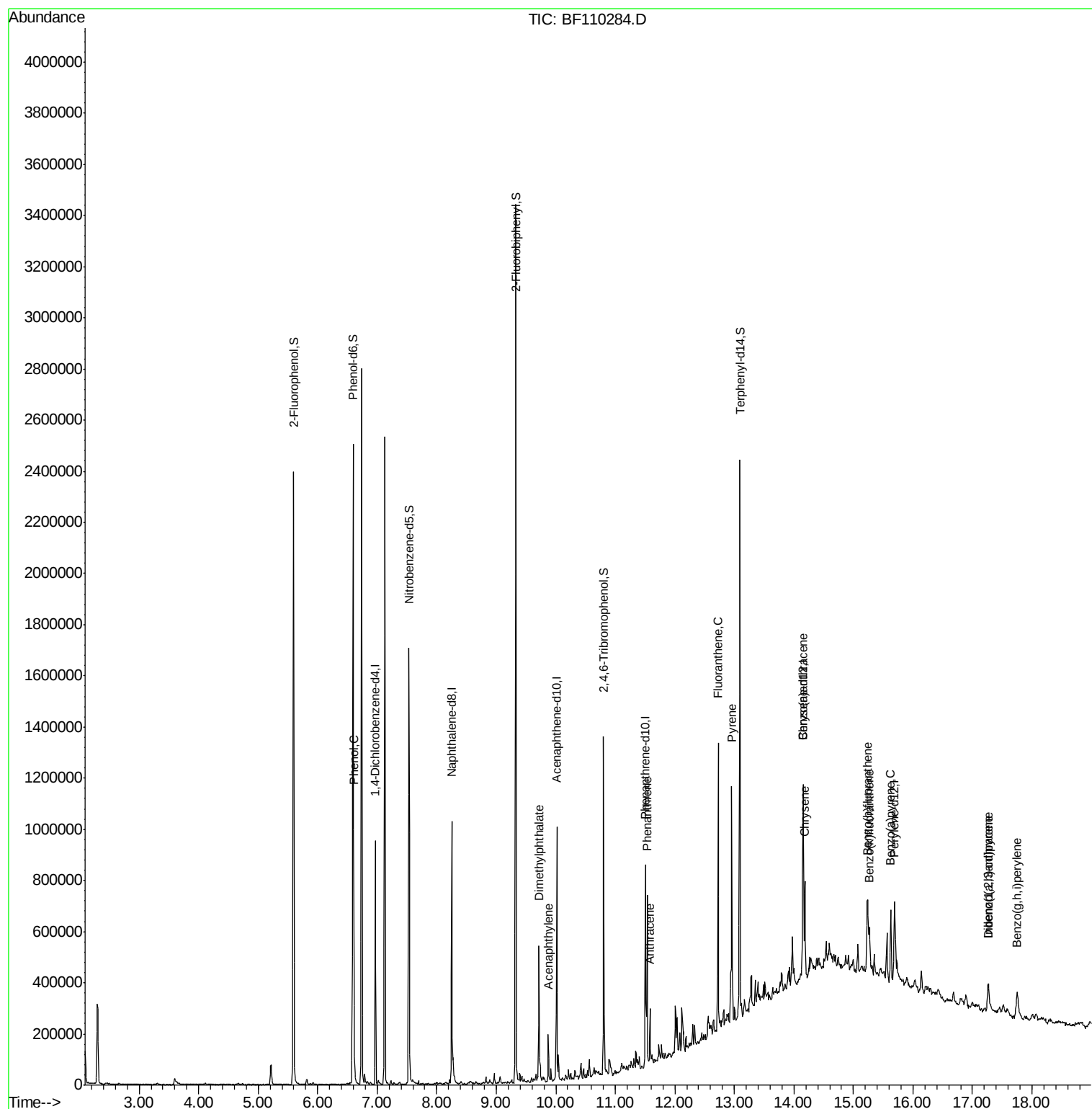
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102918\
Data File : BF110284.D
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ALS Vial : 34 Sample Multiplier: 1

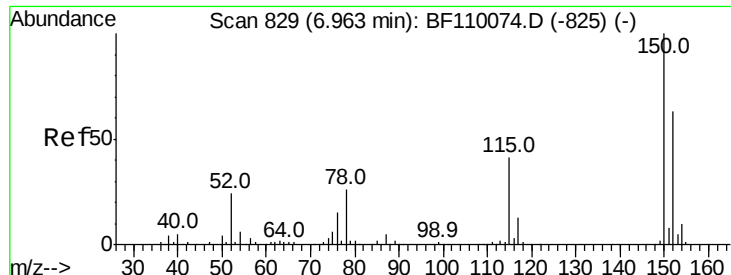
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
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#1

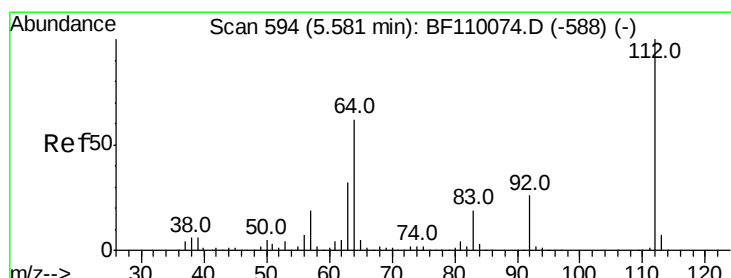
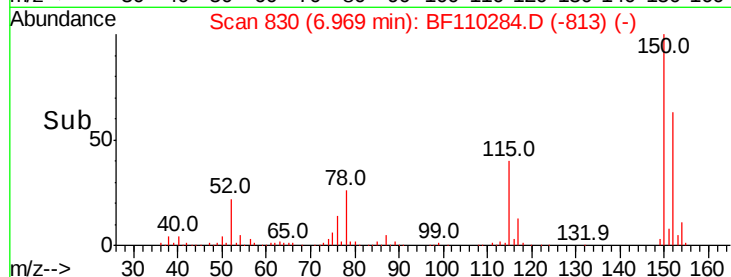
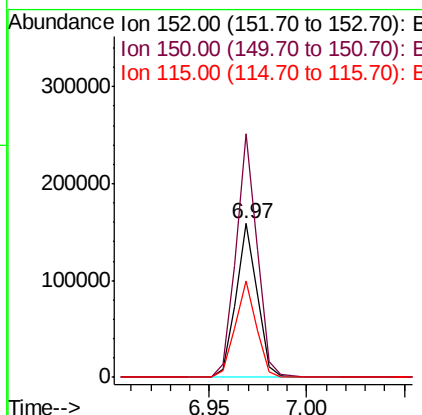
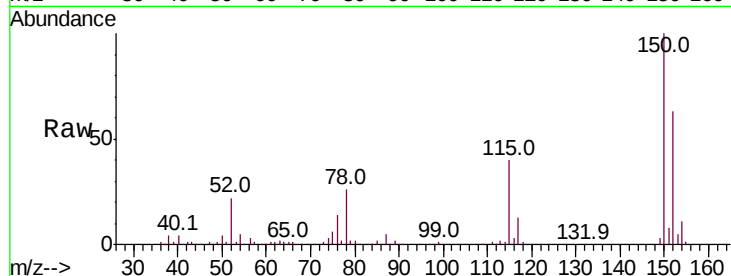
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. 0.00 min
Lab File: BF110284.D
Acq: 30 Oct 2018 1:21

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-30

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	122.7	184.1
115	63.1	49.1	73.7

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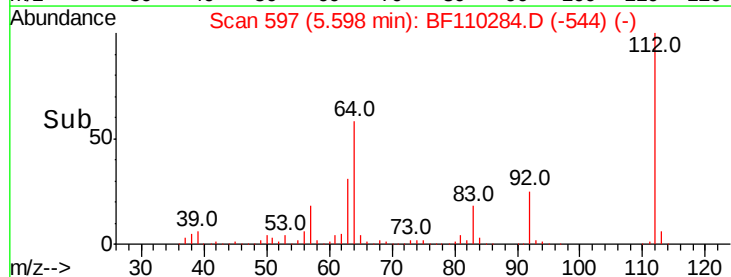
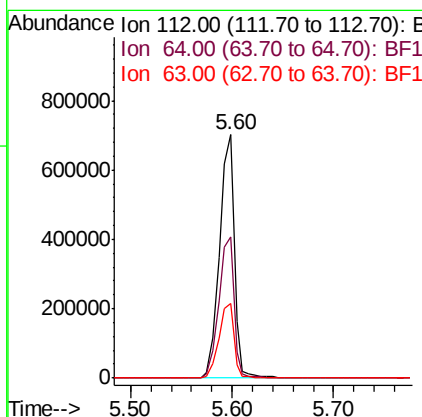
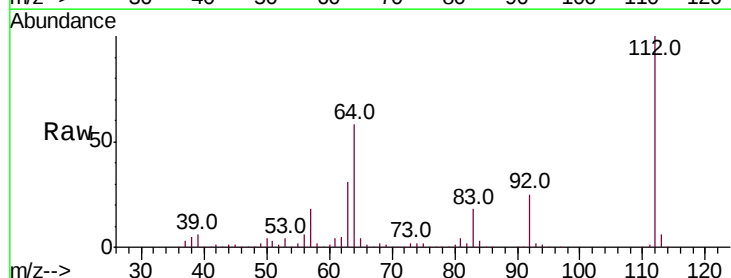
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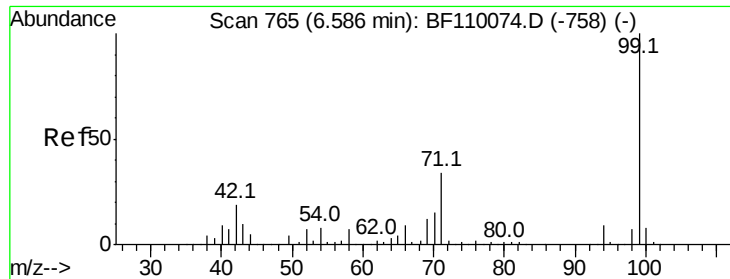


#5

2-Fluorophenol
Concen: 96.961 ng
RT: 5.60 min Scan# 597
Delta R.T. 0.01 min
Lab File: BF110284.D
Acq: 30 Oct 2018 1:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	44.1	66.1
63	30.6	23.7	35.5





#7

Phenol-d6

Concen: 94.414 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.01 min

Lab File: BF110284.D

Acq: 30 Oct 2018 1:21

Instrument :

BNA_F

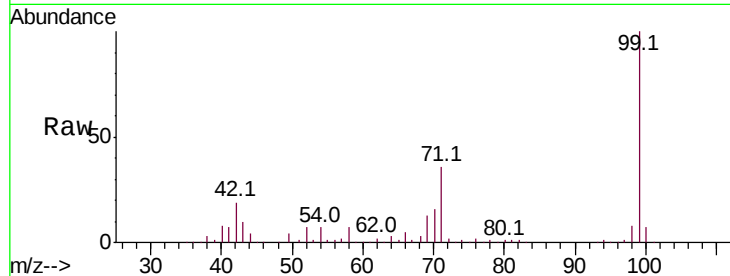
ClientSampleId :

DOCUMENTATION-30

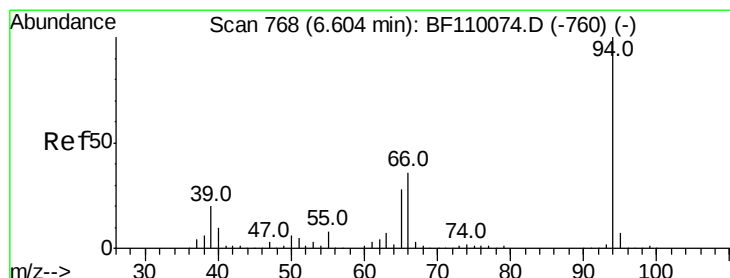
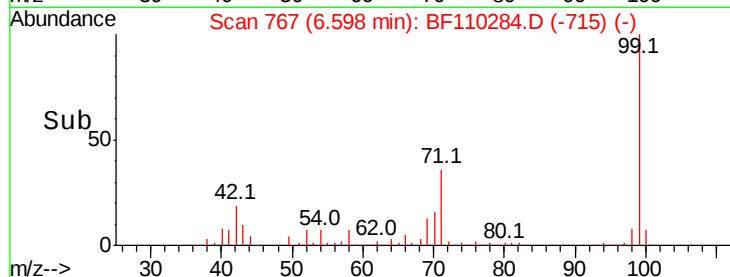
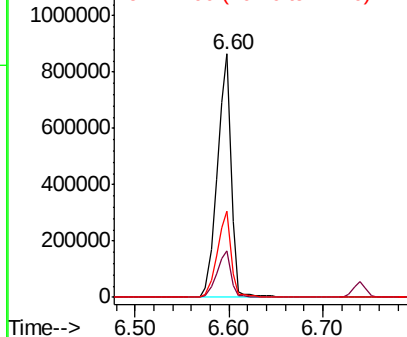
Tot Ion:	99	Resp:	893563
Ion Ratio	Lower	Upper	
99	100		
42	19.3	15.8	23.6
71	35.6	28.0	42.0

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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: 6.715 ng

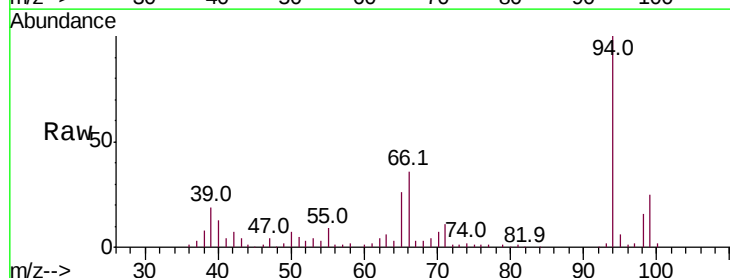
RT: 6.61 min Scan# 769

Delta R.T. 0.01 min

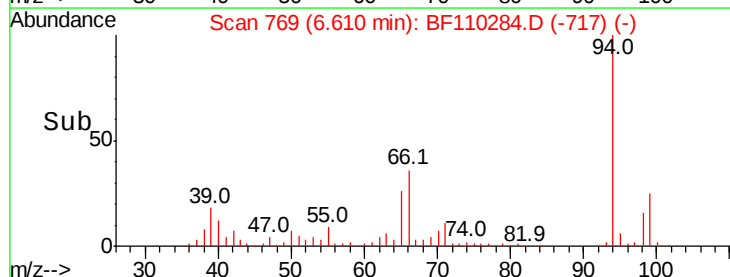
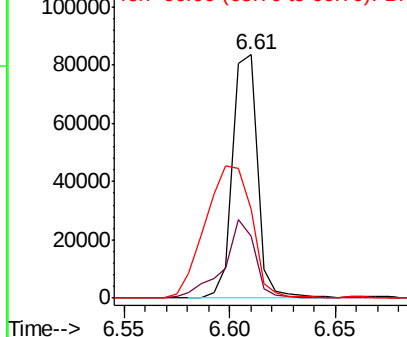
Lab File: BF110284.D

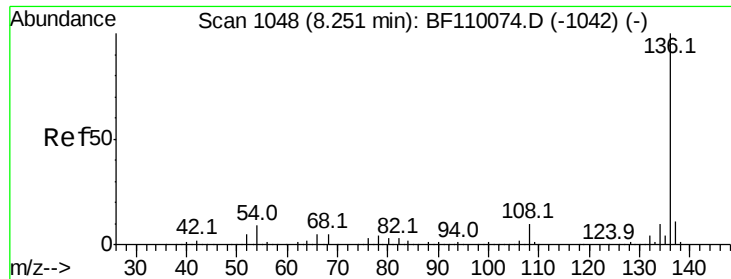
Acq: 30 Oct 2018 1:21

Tgt Ion:	94	Resp:	67938
Ion Ratio	Lower	Upper	
94	100		
65	25.5	25.3	65.3
66	36.4	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





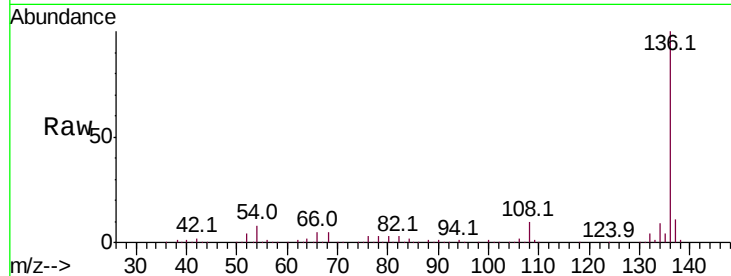
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. 0.00 min
Lab File: BF110284.D
Acq: 30 Oct 2018 1:21

Instrument :
BNA_F
ClientSampleId :
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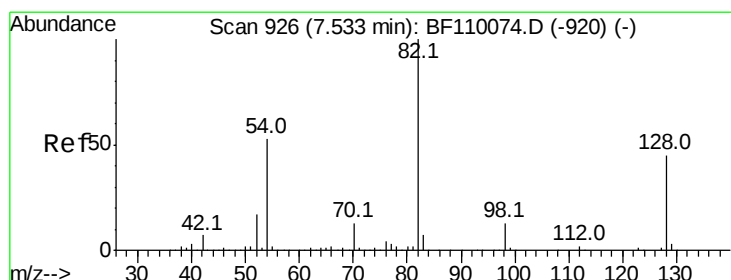
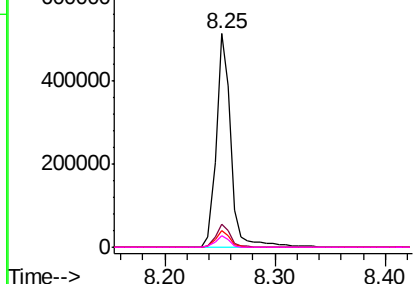
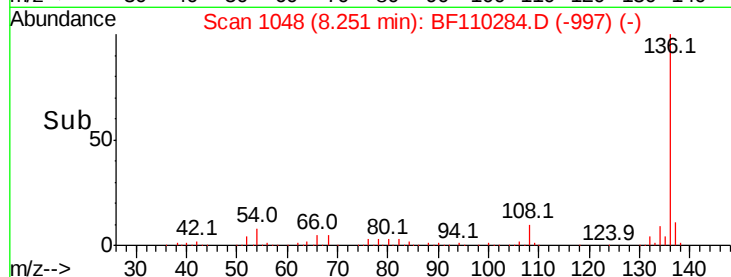
Tot Ion	Ratio	Resp	Lower	Upper
136	100	471610		
137	11.0		8.8	13.2
54	8.1		5.4	8.2
68	5.2		4.2	6.2

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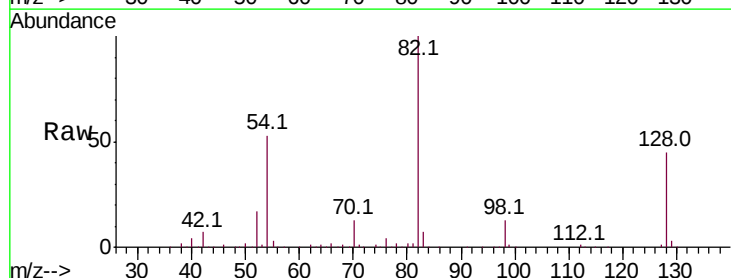


Abundance Ion 136.00 (135.70 to 136.70): E
800000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

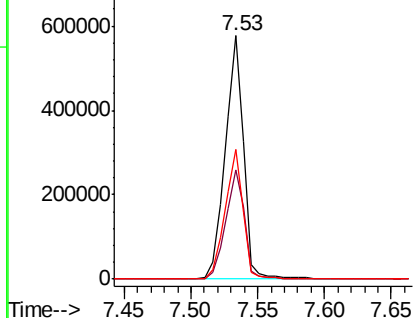
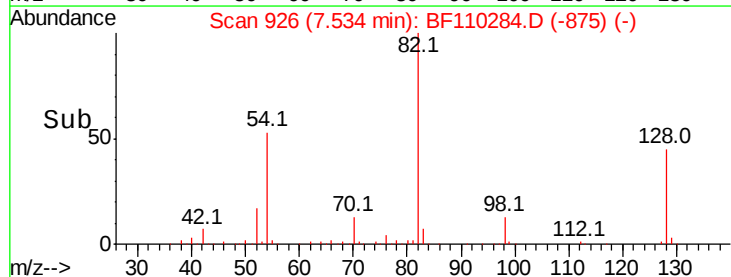


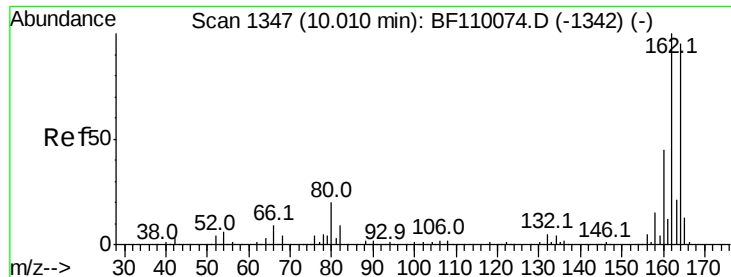
#23
Nitrobenzene-d5
Concen: 70.591 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.00 min
Lab File: BF110284.D
Acq: 30 Oct 2018 1:21

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	561283		
128	44.7		34.2	51.2
54	53.5		38.6	58.0



Abundance Ion 82.00 (81.70 to 82.70): BF1
800000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





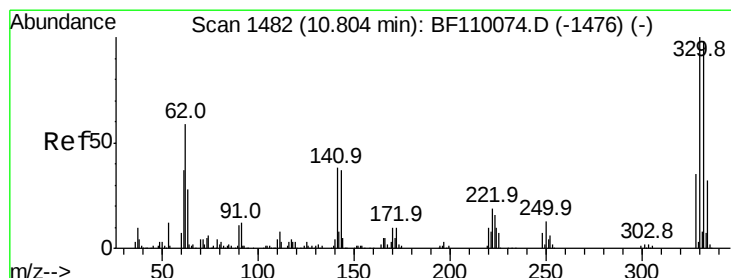
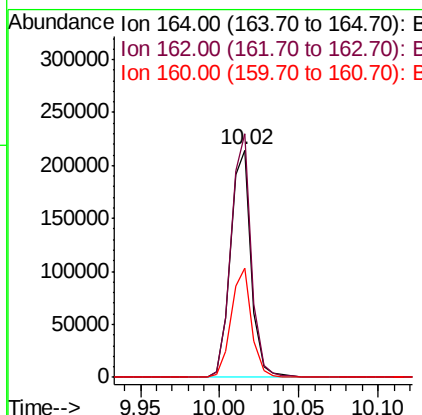
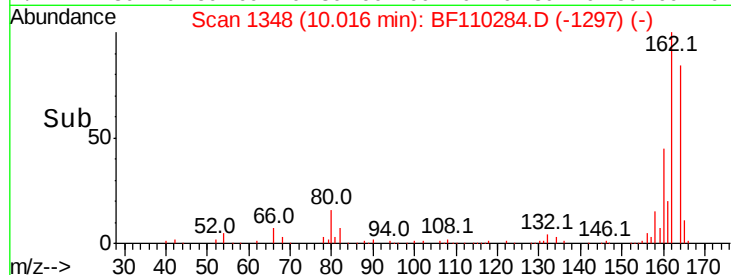
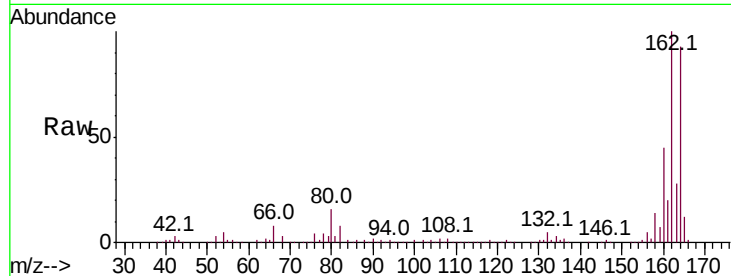
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.00 min
Lab File: BF110284.D
Acq: 30 Oct 2018 1:21

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Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	107.3	83.0	124.6	
160	47.9	37.0	55.6	

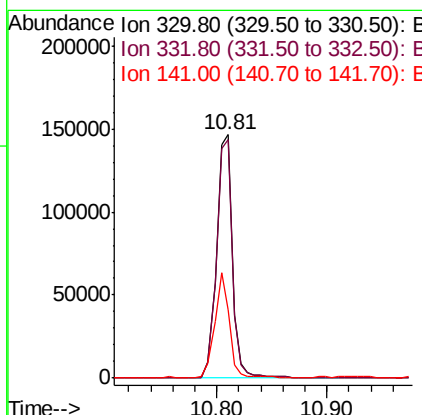
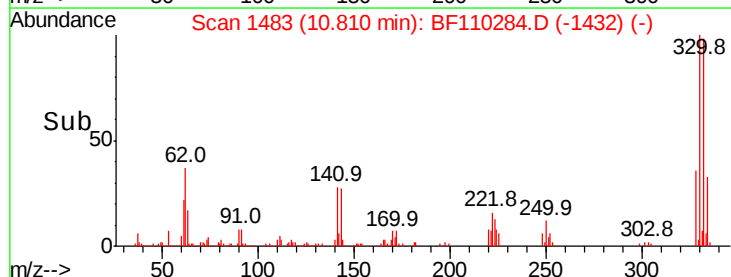
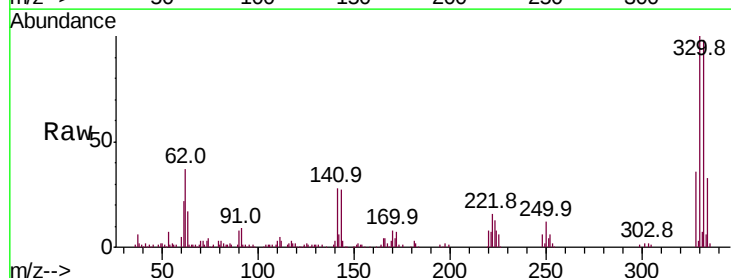
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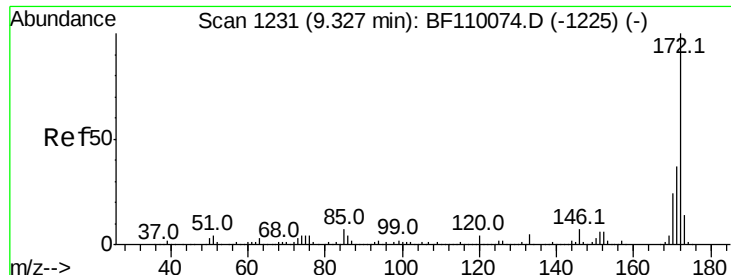
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#42
2,4,6-Tribromophenol
Concen: 76.143 ng
RT: 10.81 min Scan# 1483
Delta R.T. 0.00 min
Lab File: BF110284.D
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Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.2	77.1	115.7	
141	38.4	27.0	40.4	





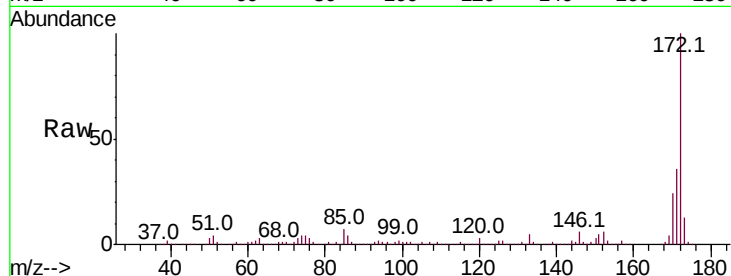
#45
2-Fluorobiphenyl
Concen: 82.503 ng
RT: 9.33 min Scan# 1231
Delta R.T. 0.00 min
Lab File: BF110284.D
Acq: 30 Oct 2018 1:21

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.6	43.0
170	23.7	19.7	29.5

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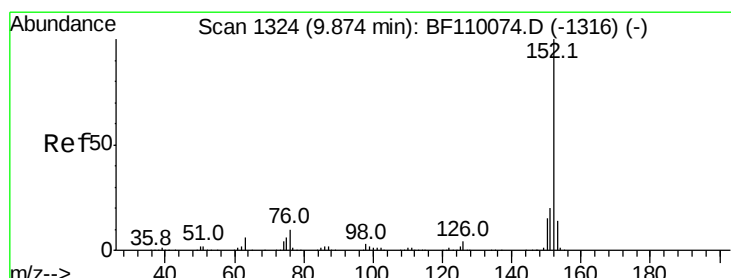
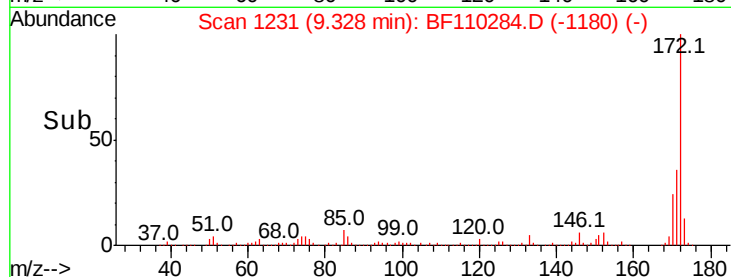
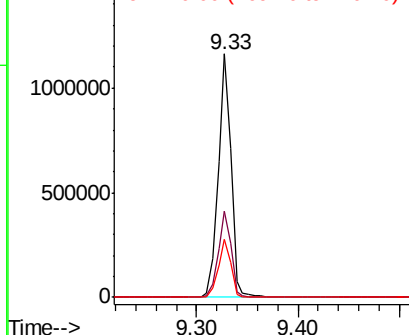


Abundance

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



#49
Acenaphthylene
Concen: 4.067 ng
RT: 9.87 min Scan# 1324
Delta R.T. 0.00 min
Lab File: BF110284.D
Acq: 30 Oct 2018 1:21

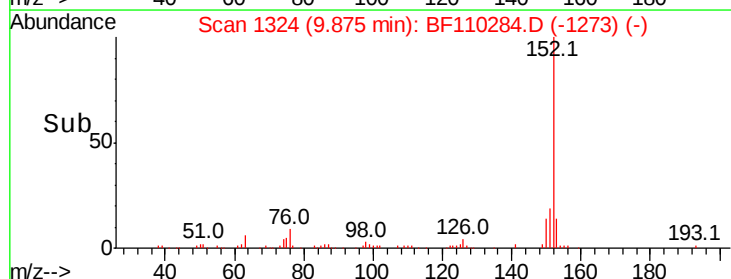
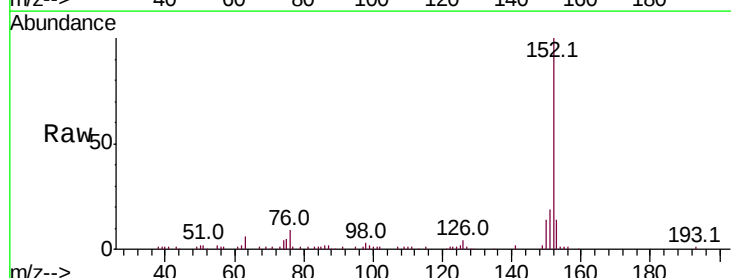
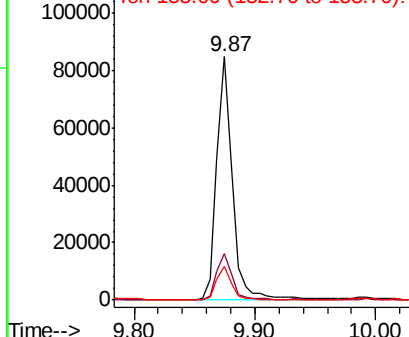
Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.8	23.8
153	13.7	10.4	15.6

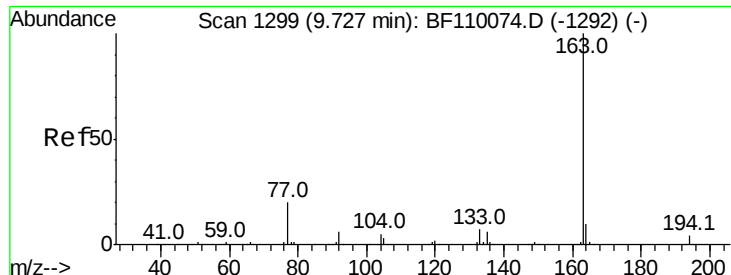
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#50

Dimethylphthalate

Concen: 13.124 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF110284.D

Acq: 30 Oct 2018 1:21

Instrument :

BNA_F

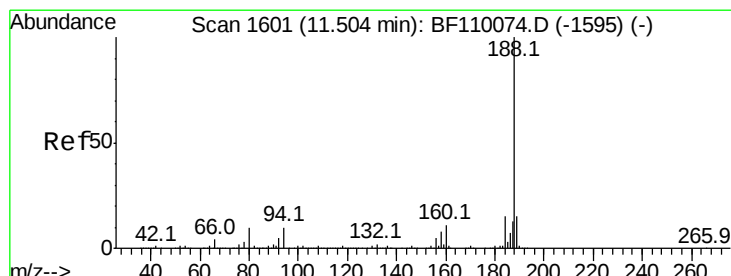
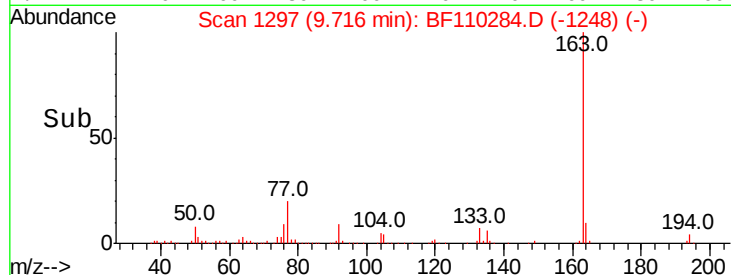
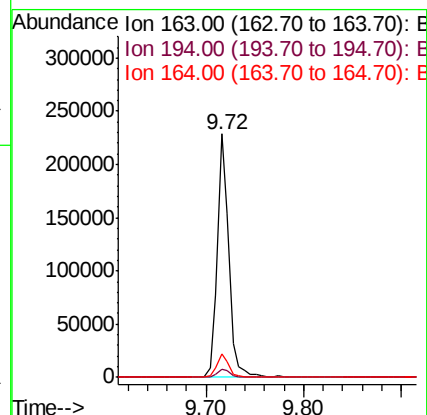
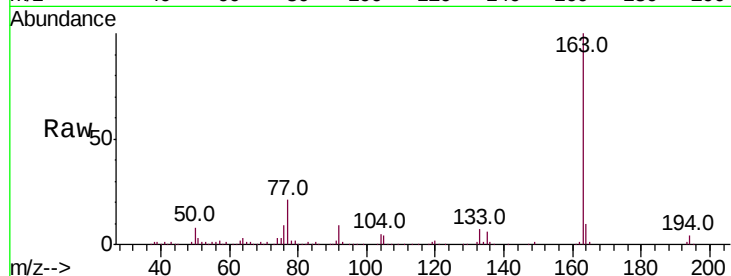
ClientSampleId :

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Tot Ion	163	Resp	187946
Ion Ratio	Lower	Upper	
163	100		
194	3.5	3.2	4.8
164	9.8	8.1	12.1

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#64

Phenanthrene-d10

Concen: 20.000 ng

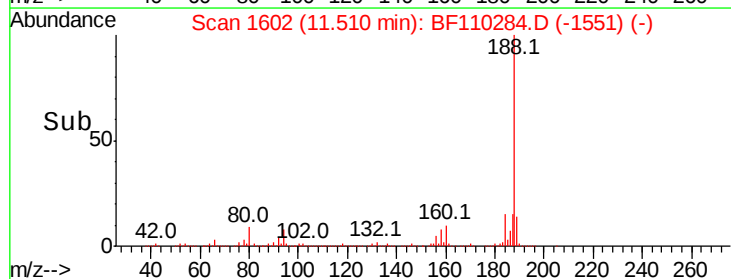
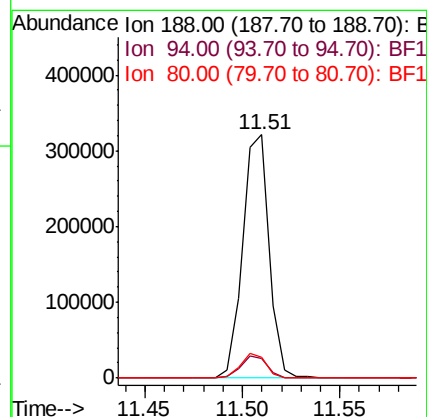
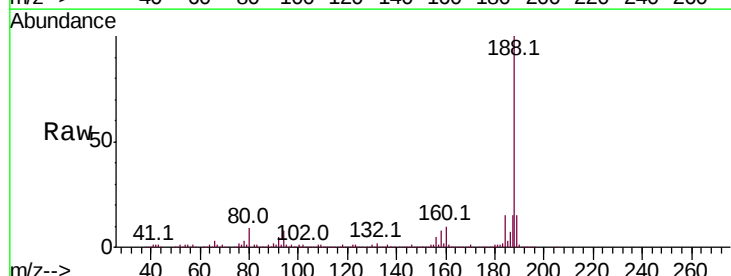
RT: 11.51 min Scan# 1602

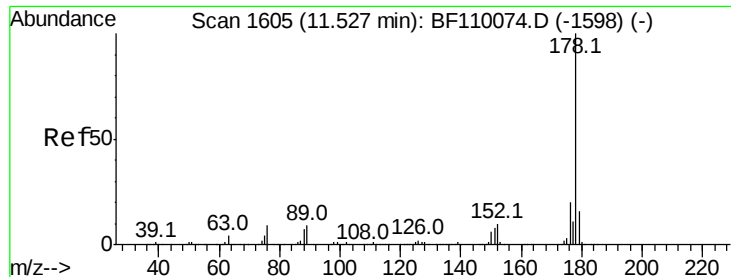
Delta R.T. 0.00 min

Lab File: BF110284.D

Acq: 30 Oct 2018 1:21

Tgt Ion	188	Resp	302385
Ion Ratio	Lower	Upper	
188	100		
94	8.1	7.2	10.8
80	8.7	7.9	11.9





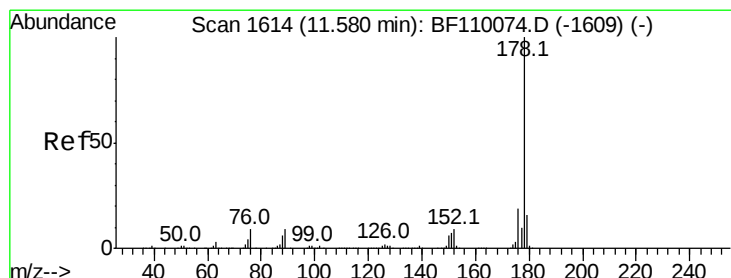
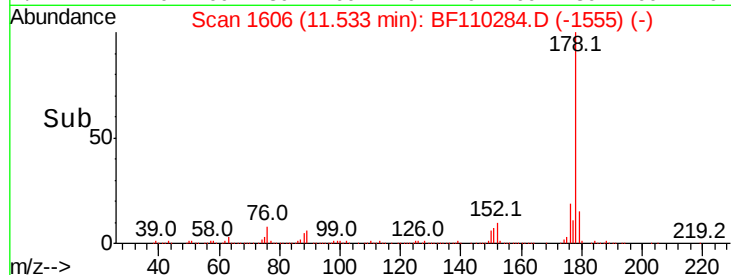
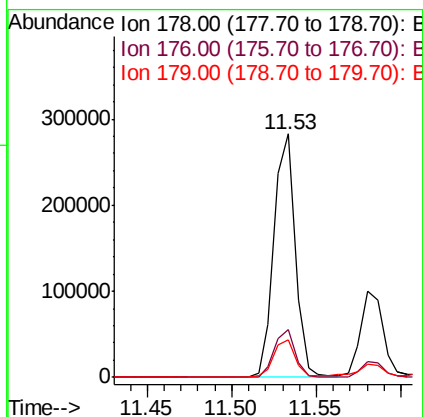
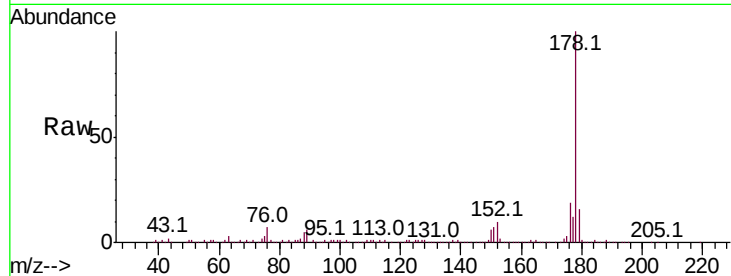
#71
Phenanthrene
Concen: 15.463 ng
RT: 11.53 min Scan# 1606
Delta R.T. 0.00 min
Lab File: BF110284.D
Acq: 30 Oct 2018 1:21

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-30

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.7	12.5	18.7

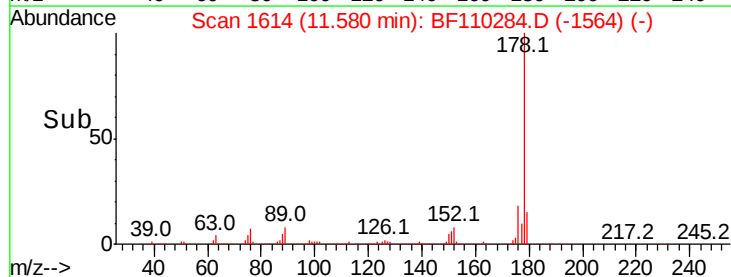
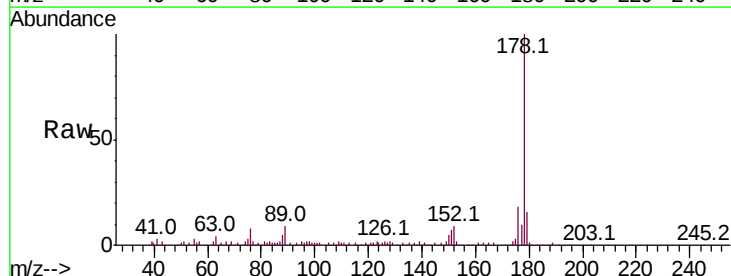
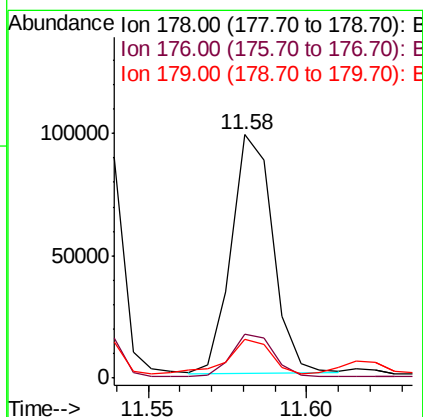
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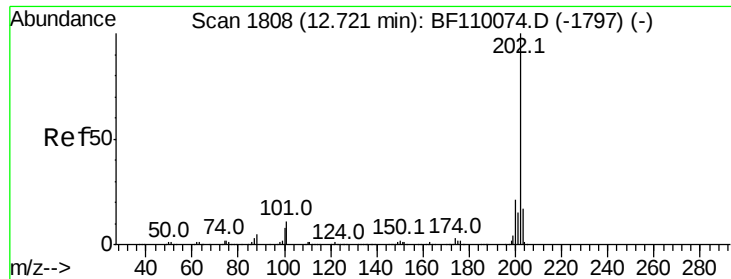
Sohil
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#72
Anthracene
Concen: 5.556 ng
RT: 11.58 min Scan# 1614
Delta R.T. -0.01 min
Lab File: BF110284.D
Acq: 30 Oct 2018 1:21

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.2
179	16.0	12.6	18.8





#75

Fluoranthene

Concen: 25.102 ng

RT: 12.73 min Scan# 1809

Delta R.T. 0.00 min

Lab File: BF110284.D

Acq: 30 Oct 2018 1:21

Instrument :

BNA_F

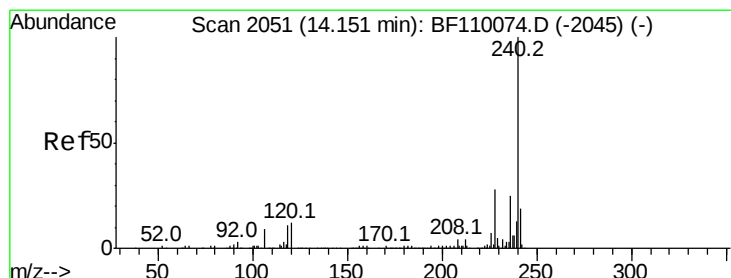
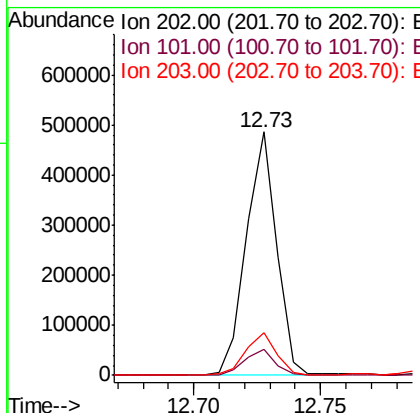
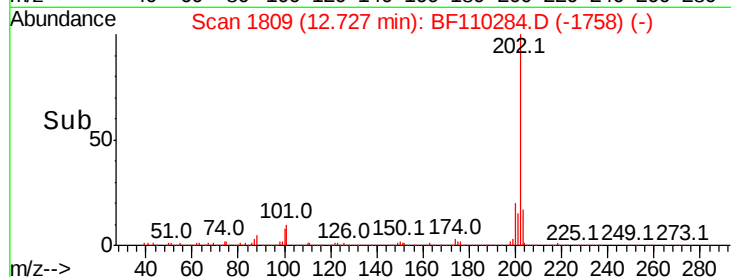
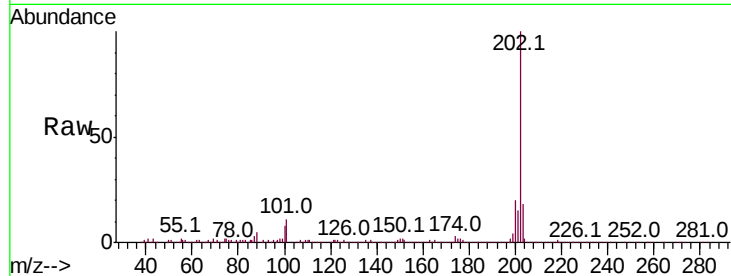
ClientSampleId :

DOCUMENTATION-30

Tot Ion:	202	Resp:	403080
Ion Ratio	Lower	Upper	
202	100		
101	10.6	0.0	31.4
203	17.6	0.0	37.7

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#76

Chrysene-d12

Concen: 20.000 ng

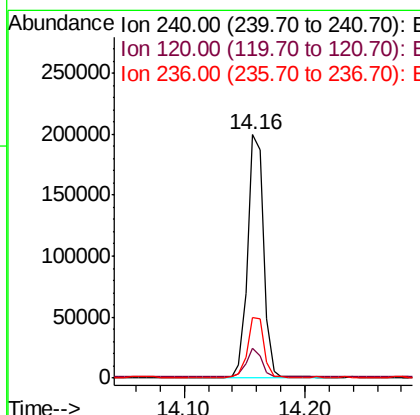
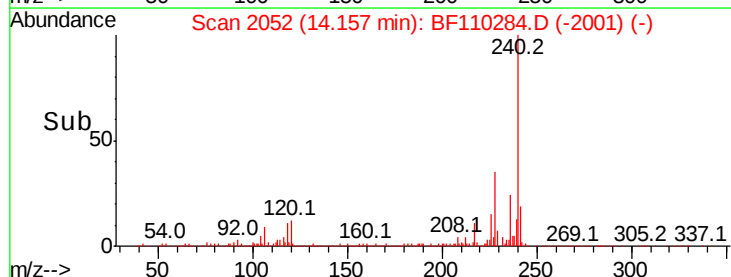
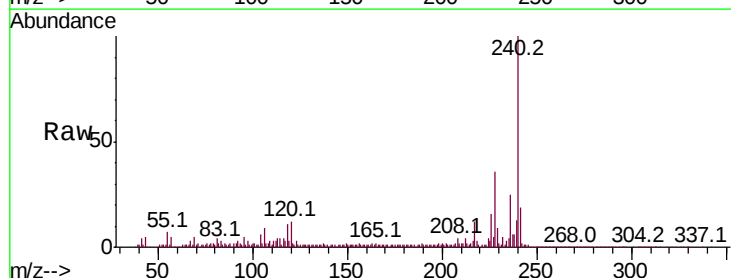
RT: 14.16 min Scan# 2052

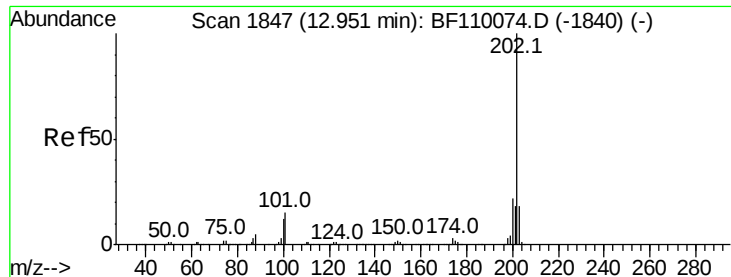
Delta R.T. 0.00 min

Lab File: BF110284.D

Acq: 30 Oct 2018 1:21

Tgt Ion:	240	Resp:	184729
Ion Ratio	Lower	Upper	
240	100		
120	12.0	8.3	12.5
236	24.7	21.2	31.8





#78

Pvrene

Concen: 28.939 ng

RT: 12.96 min Scan# 1848

Delta R.T. 0.00 min

Lab File: BF110284.D

Acq: 30 Oct 2018 1:21

Instrument :

BNA_F

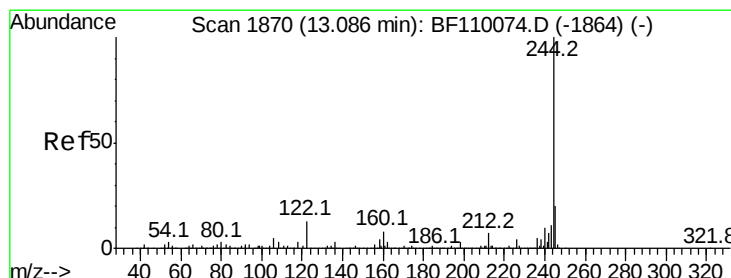
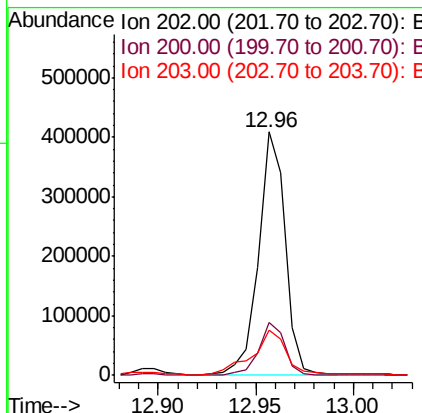
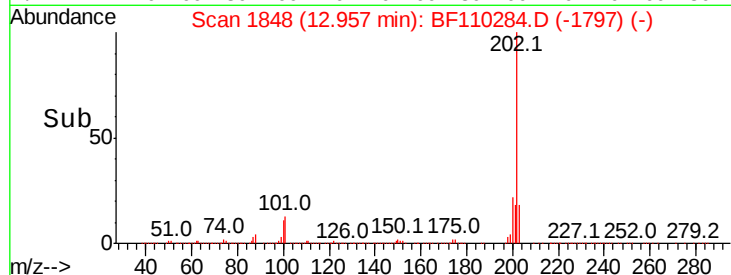
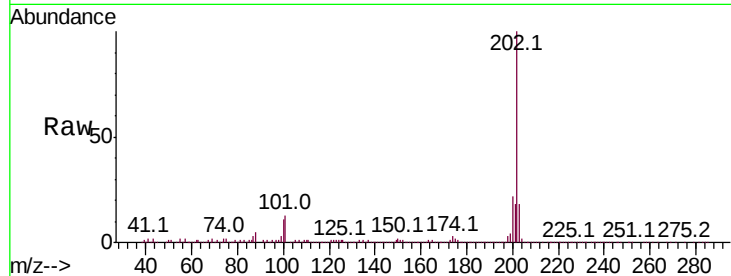
ClientSampleId :

DOCUMENTATION-30

Tot Ion:	202	Resp:	383254
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.8	26.6
203	18.4	14.2	21.4

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#79

Terphenyl-d14

Concen: 78.712 ng

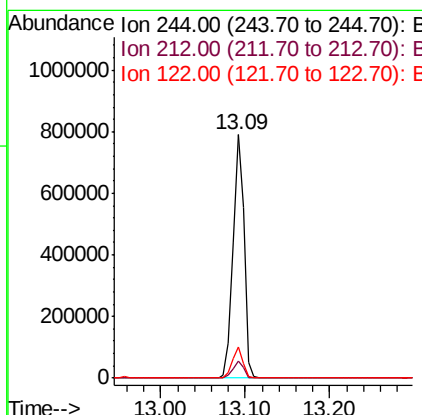
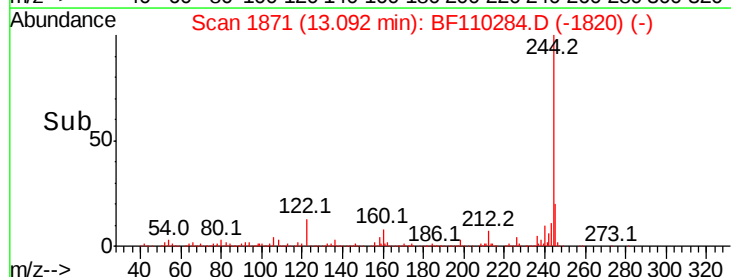
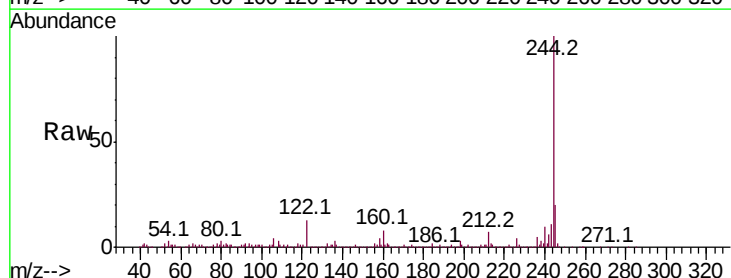
RT: 13.09 min Scan# 1871

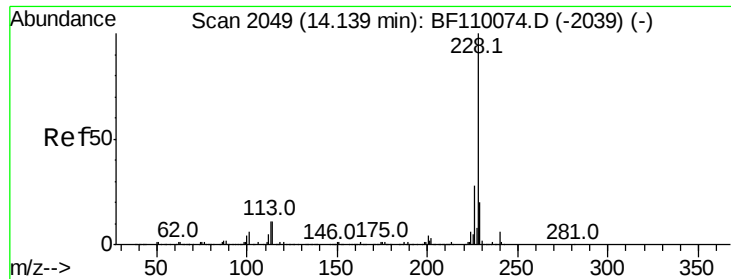
Delta R.T. 0.00 min

Lab File: BF110284.D

Acq: 30 Oct 2018 1:21

Tgt Ion:	244	Resp:	699151
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.8	8.8
122	12.6	8.7	13.1





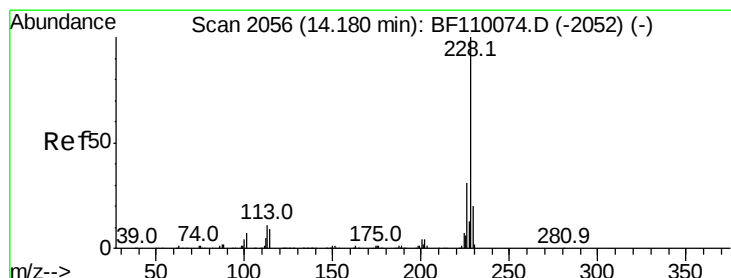
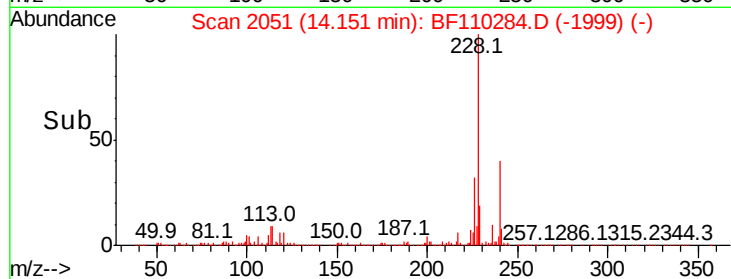
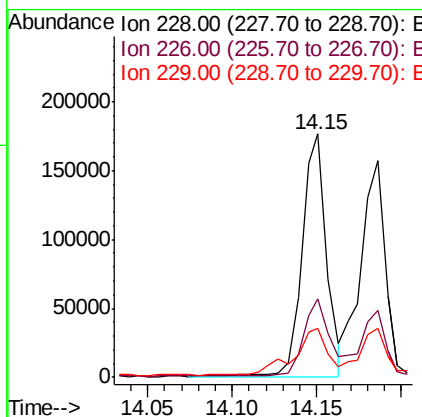
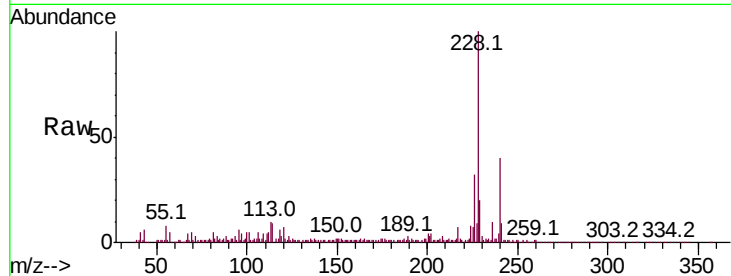
#81
Benzo(a)anthracene
Concen: 16.139 ng
RT: 14.15 min Scan# 2051
Delta R.T. 0.01 min
Lab File: BF110284.D
Acq: 30 Oct 2018 1:21

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-30

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.5	22.1	33.1
229	20.3	15.6	23.4

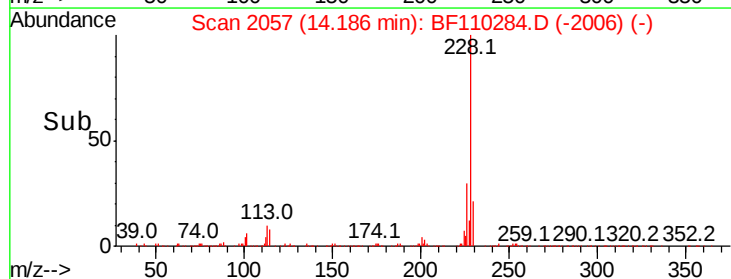
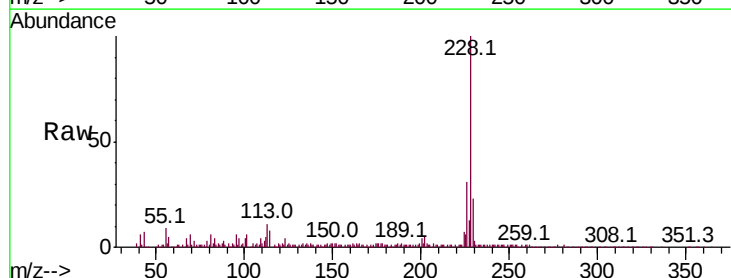
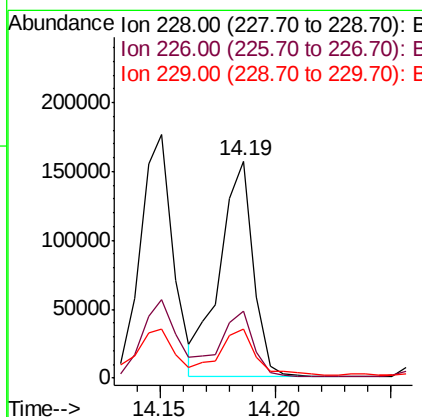
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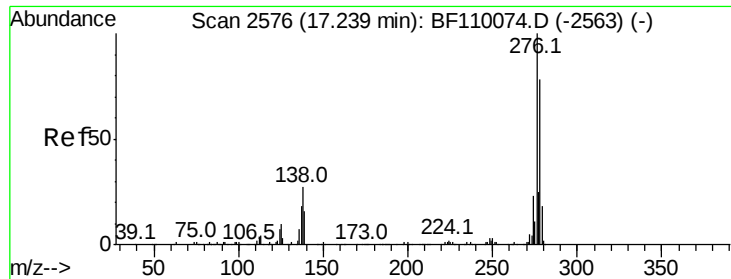
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#83
Chrysene
Concen: 15.223 ng
RT: 14.19 min Scan# 2057
Delta R.T. 0.00 min
Lab File: BF110284.D
Acq: 30 Oct 2018 1:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.7	37.1
229	22.5	15.9	23.9





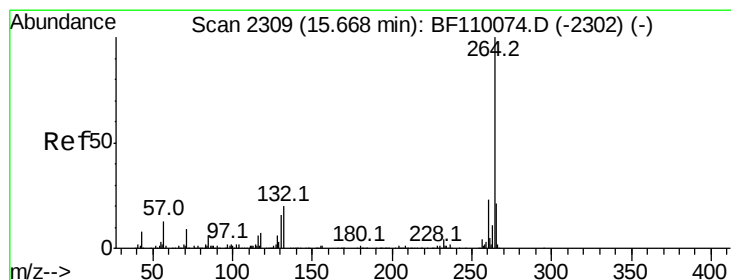
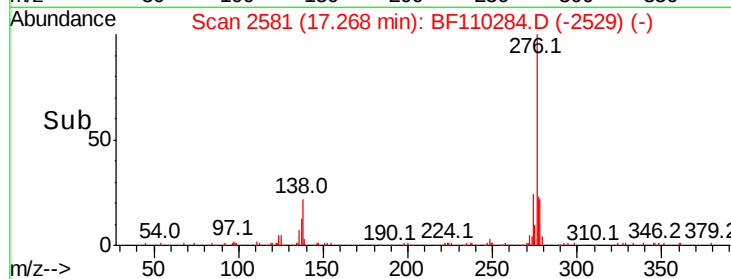
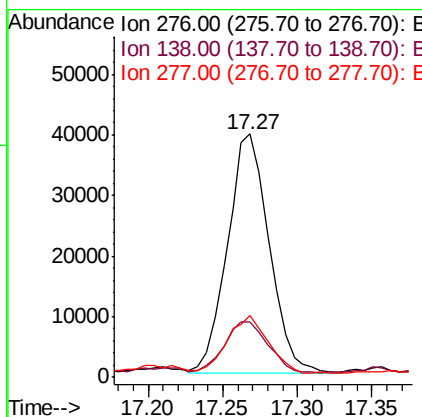
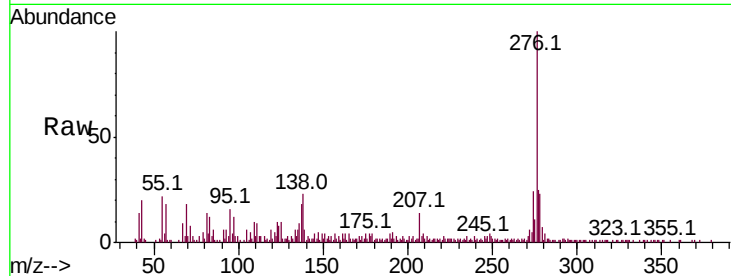
#86
Indeno(1,2,3-cd)pyrene
Concen: 8.846 ng
RT: 17.27 min Scan# 2581
Delta R.T. 0.01 min
Lab File: BF110284.D
Acq: 30 Oct 2018 1:21

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-30

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.6	18.5	27.7
277	24.6	20.0	30.0

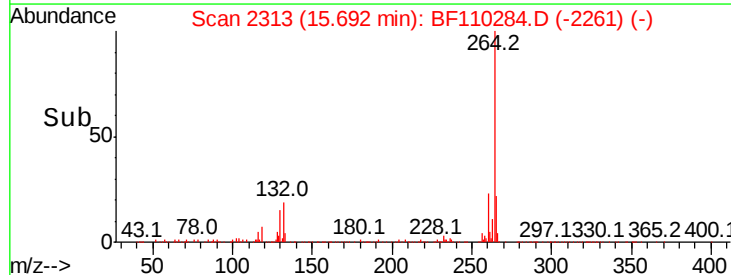
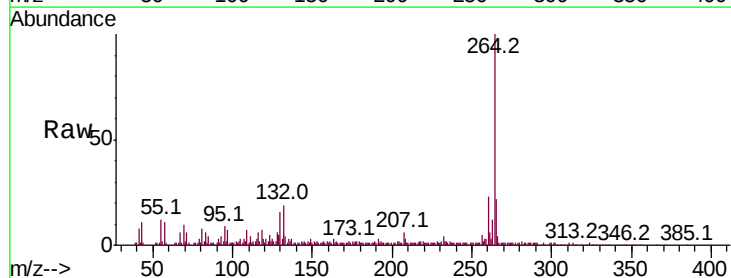
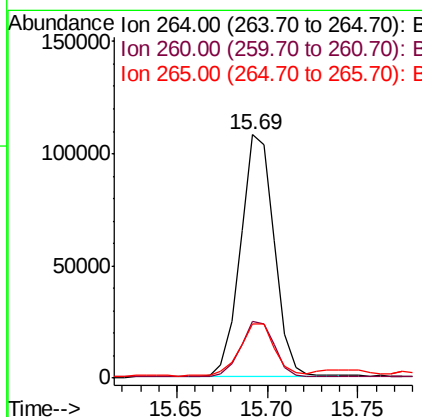
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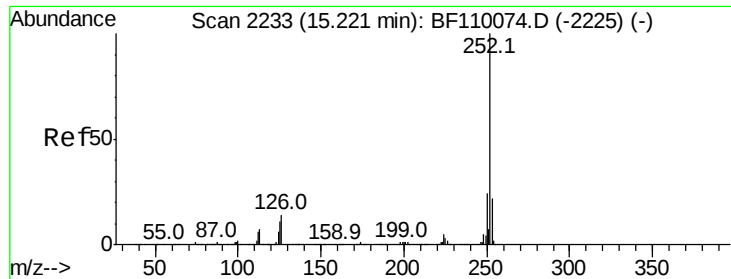
Sohil
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2313
Delta R.T. 0.01 min
Lab File: BF110284.D
Acq: 30 Oct 2018 1:21

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.7	28.1
265	22.4	16.7	25.1





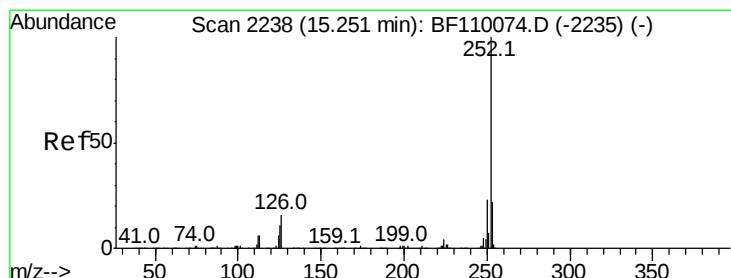
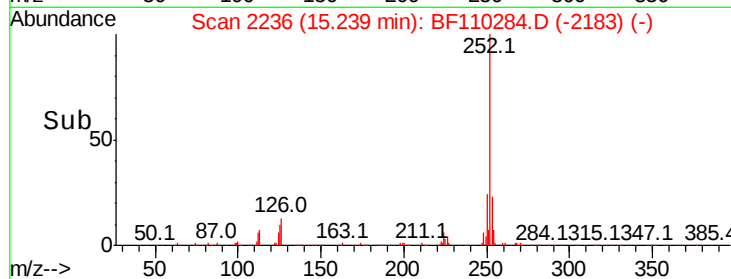
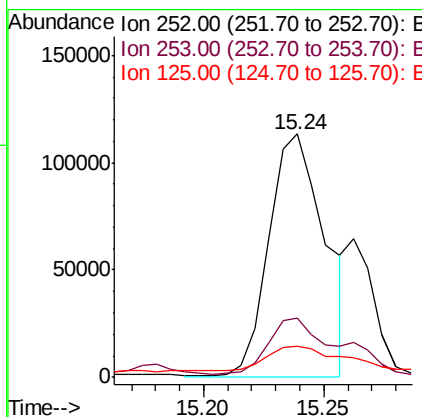
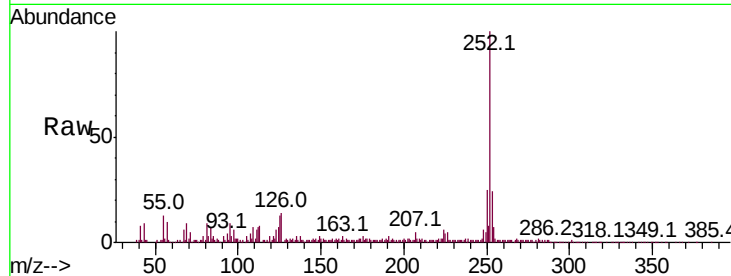
#88
Benzo(b)fluoranthene
Concen: 22.974 ng m
RT: 15.24 min Scan# 2236
Delta R.T. 0.01 min
Lab File: BF110284.D
Acq: 30 Oct 2018 1:21

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-30

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.2	25.8
125	12.8	8.2	12.4

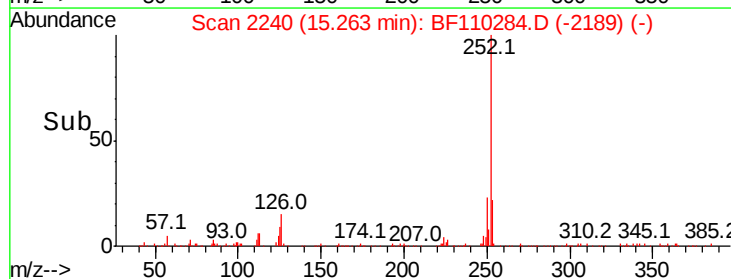
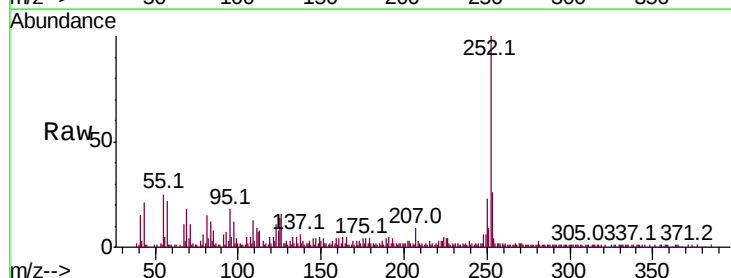
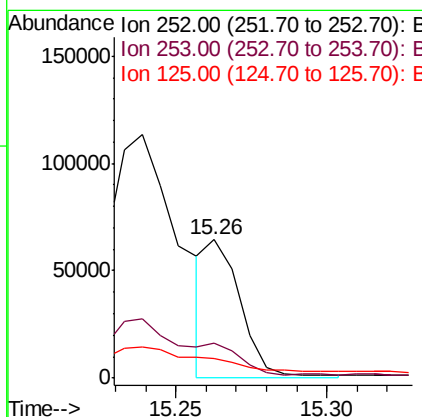
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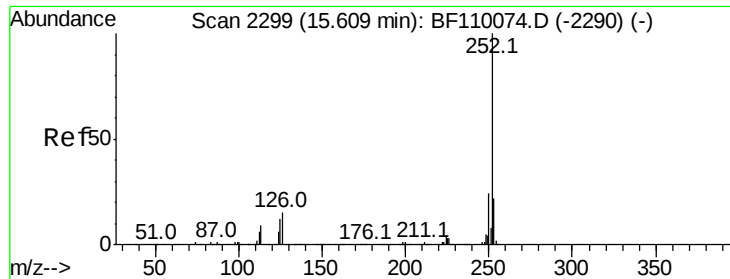
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#89
Benzo(k)fluoranthene
Concen: 6.499 ng m
RT: 15.26 min Scan# 2240
Delta R.T. 0.00 min
Lab File: BF110284.D
Acq: 30 Oct 2018 1:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.2	25.8
125	14.4	7.4	11.0





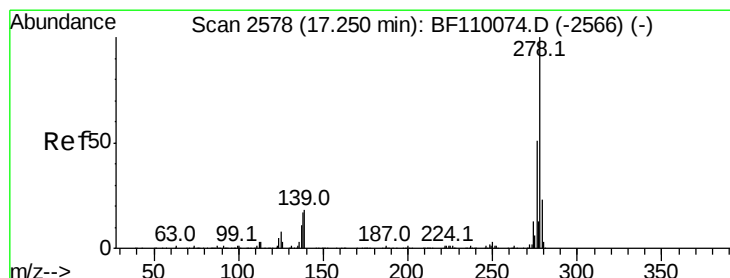
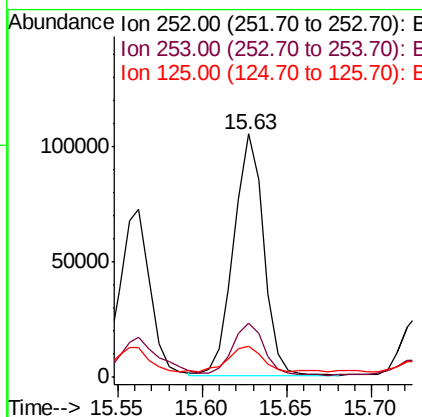
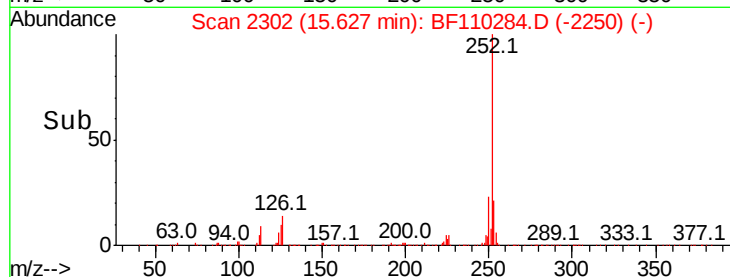
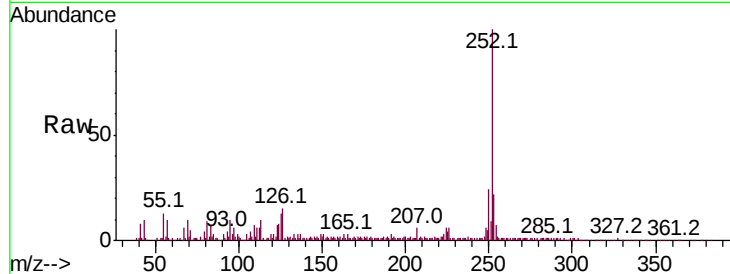
#90
Benzo(a)pyrene
Concen: 17.480 ng
RT: 15.63 min Scan# 2302
Delta R.T. 0.01 min
Lab File: BF110284.D
Acq: 30 Oct 2018 1:21

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-30

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.2	27.4
125	12.8	9.0	13.6

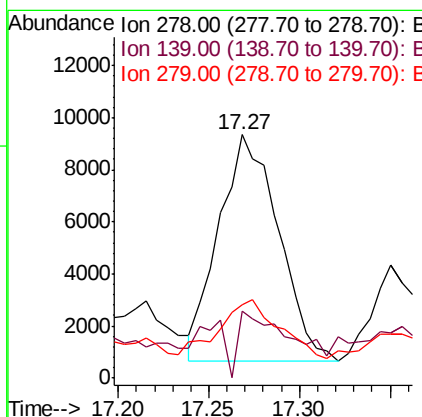
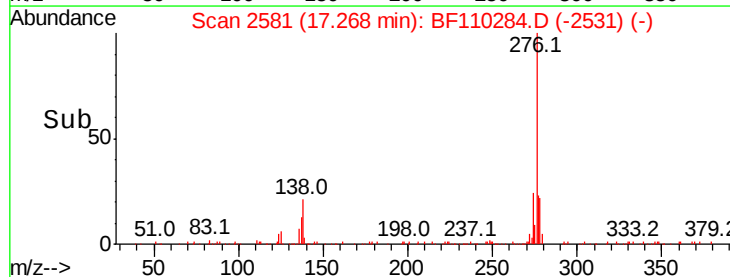
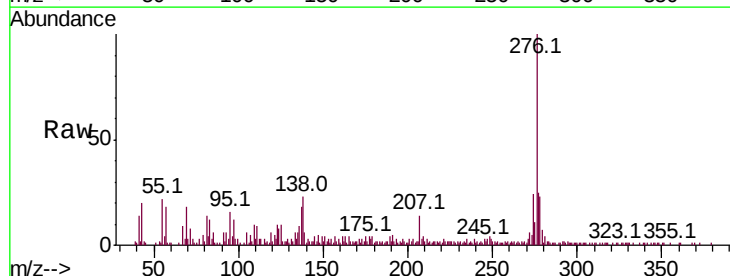
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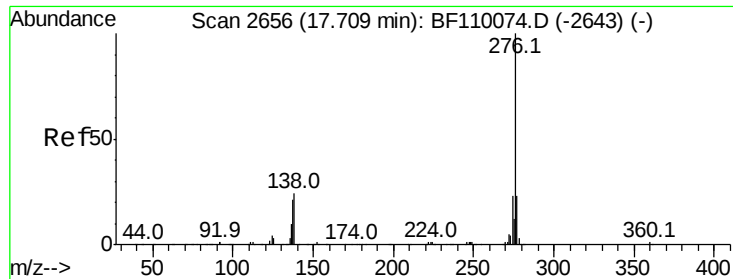
Sohil
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#91
Dibenzo(a,h)anthracene
Concen: 3.103 ng
RT: 17.27 min Scan# 2581
Delta R.T. -0.01 min
Lab File: BF110284.D
Acq: 30 Oct 2018 1:21

Tgt Ion	Ratio	Lower	Upper
278	100		
139	27.4	12.7	19.1#
279	29.9	19.0	28.4#





#92
 Benzo(a,h,i)perylene
 Concen: 13.005 ng
 RT: 17.75 min Scan# 2663
 Delta R.T. 0.01 min
 Lab File: BF110284.D
 Acq: 30 Oct 2018 1:21

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-30

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.4	18.8	28.2
138	24.6	16.0	24.0

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