

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103018\
 Data File : BF110299.D
 Acq On : 30 Oct 2018 13:33
 Operator : JU/SJ
 Sample : J5204-09DL 10X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-102518-ADL

Manual Integrations
 APPROVED

Sohil
 10/31/2018 11:14:56 AM

Quant Time: Oct 30 15:03:27 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	133281	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	560484	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	255338	20.00	ng	0.00
64) Phenanthrene-d10	11.51	188	413787	20.00	ng	0.00
76) Chrysene-d12	14.16	240	260414	20.00	ng	0.00
87) Perylene-d12	15.69	264	244395	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	113014	13.81	ng	0.00
7) Phenol-d6	6.58	99	153485	14.66	ng	-0.01
23) Nitrobenzene-d5	7.53	82	91989	9.73	ng	0.00
42) 2,4,6-Tribromophenol	10.80	330	31784	12.57	ng	0.00
45) 2-Fluorobiphenyl	9.32	172	192759	11.85	ng	0.00
79) Terphenyl-d14	13.09	244	139599	11.15	ng	0.00
Target Compounds						
52) Acenaphthene	10.05	154	64734	4.000	ng	98
55) Dibenzofuran	10.22	168	60542	2.672	ng	98
58) Fluorene	10.56	166	105688	6.267	ng	97
71) Phenanthrene	11.53	178	754426	34.844	ng	100
72) Anthracene	11.59	178	272366	12.550	ng	97
75) Fluoranthene	12.73	202	1018033	46.330	ng	99
78) Pyrene	12.96	202	853259	45.704	ng	99
81) Benzo(a)anthracene	14.15	228	422374	27.350	ng	98
83) Chrysene	14.19	228	364276	24.835	ng	98
86) Indeno(1,2,3-cd)pyrene	17.26	276	165029	13.562	ng	98
88) Benzo(b)fluoranthene	15.24	252	466084m	33.025	ng	
89) Benzo(k)fluoranthene	15.26	252	114054m	8.220	ng	
90) Benzo(a)pyrene	15.63	252	324370	24.978	ng	99
91) Dibenzo(a,h)anthracene	17.27	278	44590m	3.979	ng	
92) Benzo(a,h,i)perylene	17.74	276	145812	13.206	ng	97

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

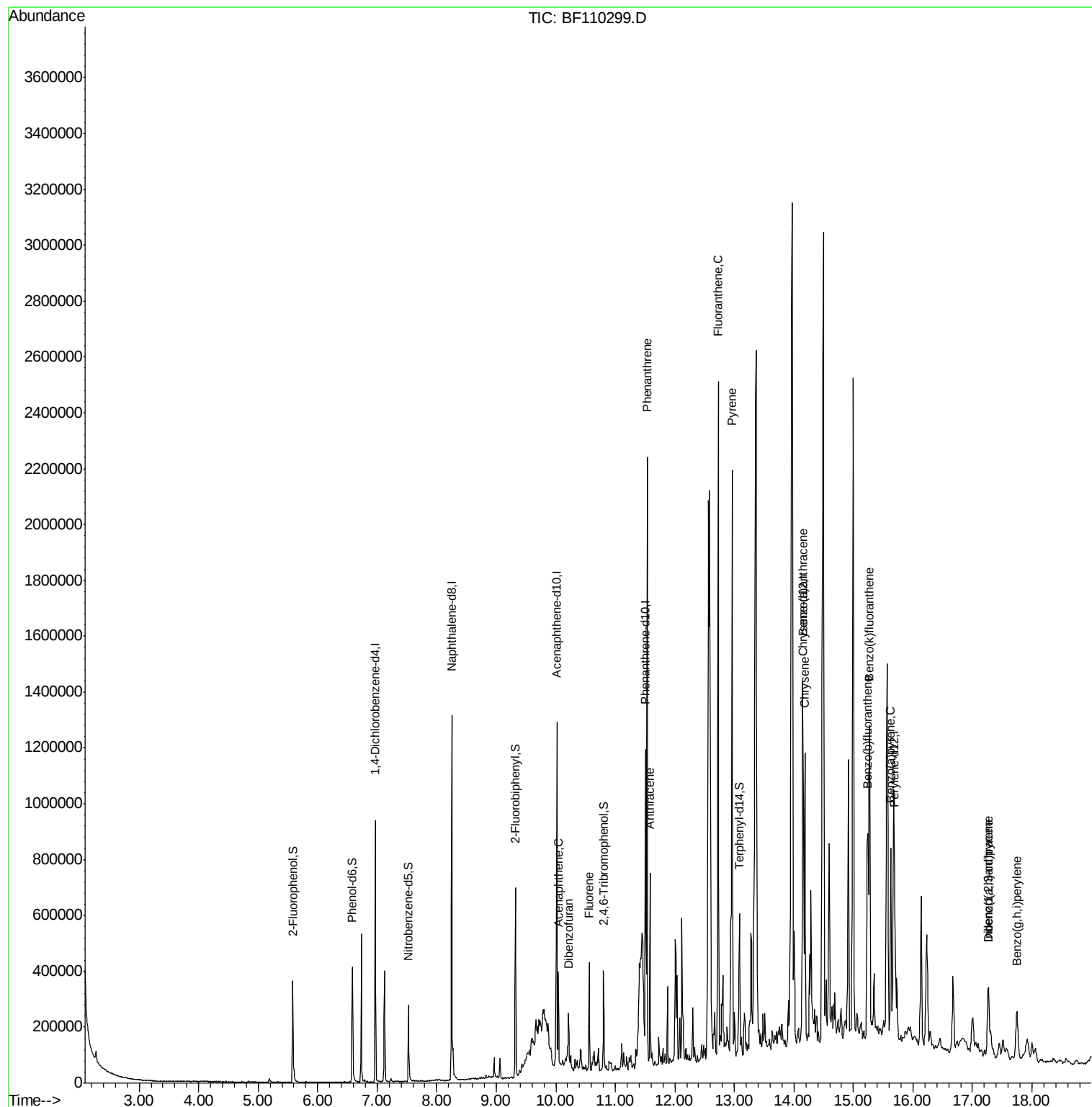
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103018\
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#1

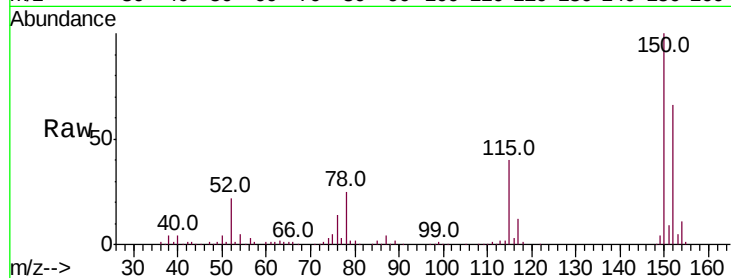
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. 0.00 min
Lab File: BF110299.D
Acq: 30 Oct 2018 13:33

Instrument :
BNA_F
ClientSampleId :
SU-02-102518-ADL

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.8	122.7	184.1
115	60.7	49.1	73.7

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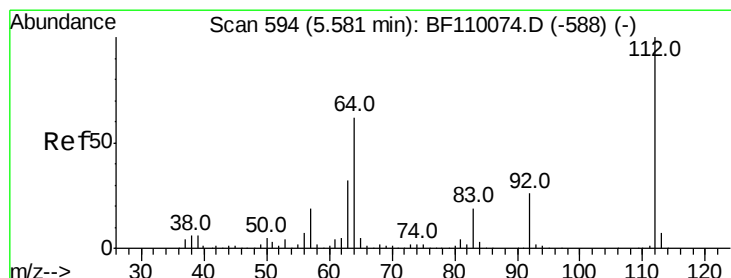
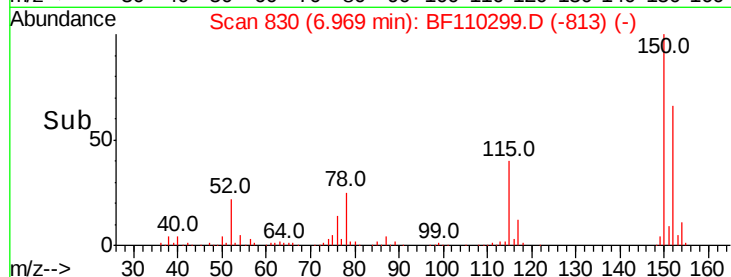
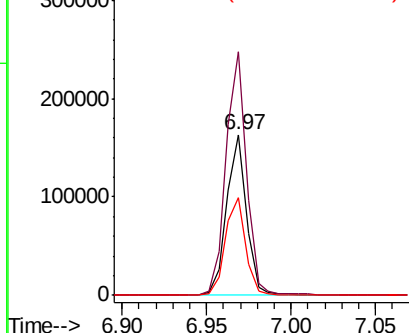


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

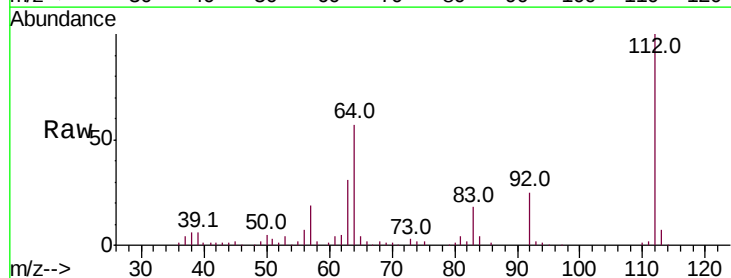
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 13.808 ng
RT: 5.58 min Scan# 594
Delta R.T. -0.01 min
Lab File: BF110299.D
Acq: 30 Oct 2018 13:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	44.1	66.1
63	31.2	23.7	35.5

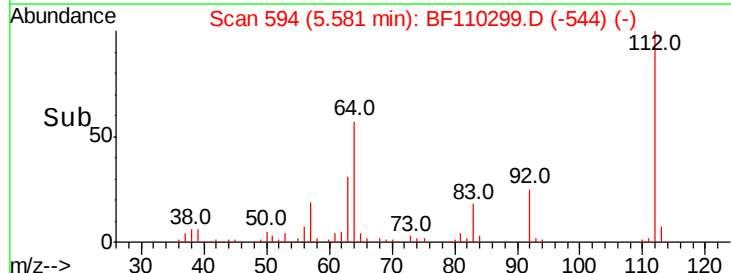
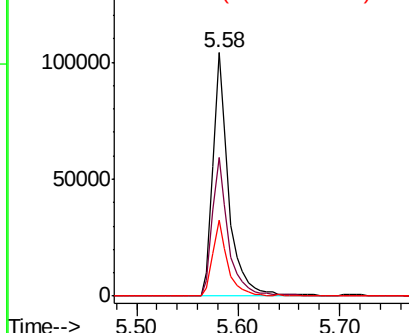


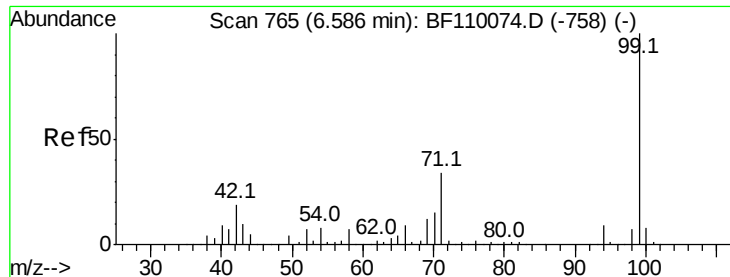
Abundance

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: 14.661 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110299.D

Acq: 30 Oct 2018 13:33

Instrument :

BNA_F

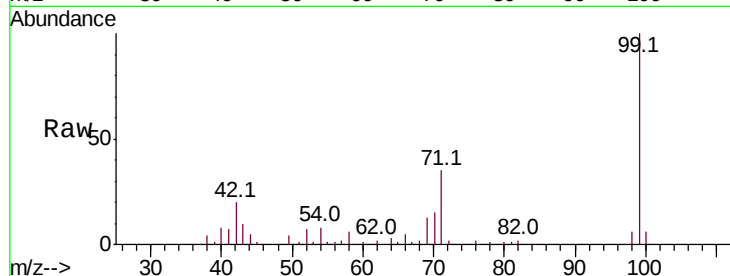
ClientSampleId :

SU-02-102518-ADL

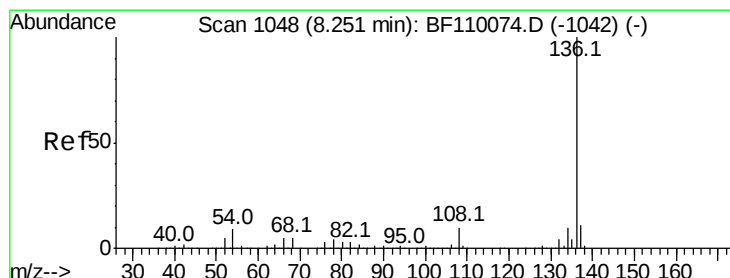
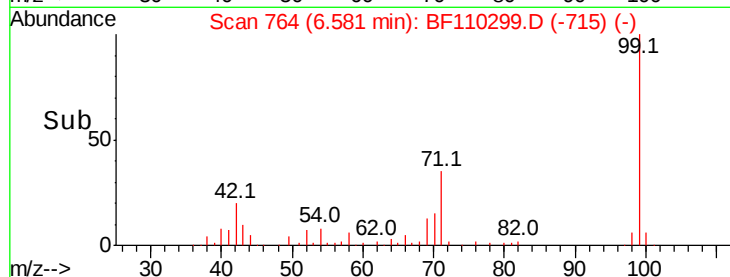
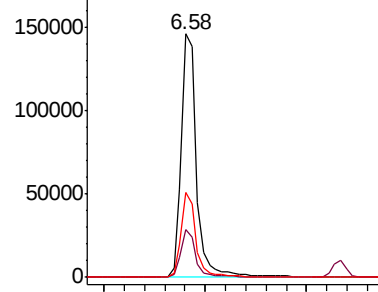
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		153485		
42	19.5	15.8	23.6		
71	34.7	28.0	42.0		

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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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

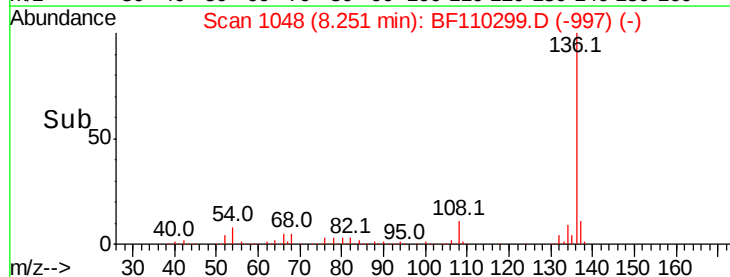
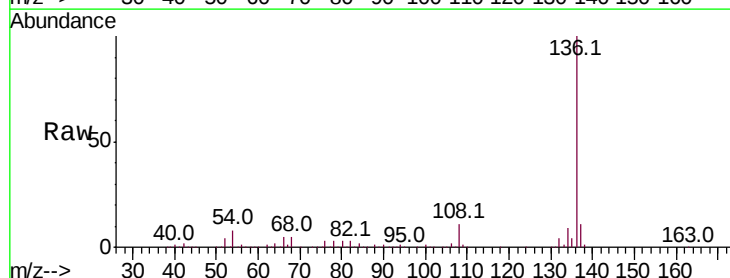
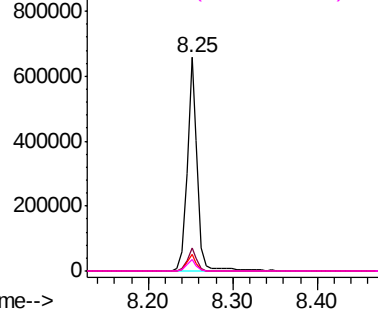
Delta R.T. 0.00 min

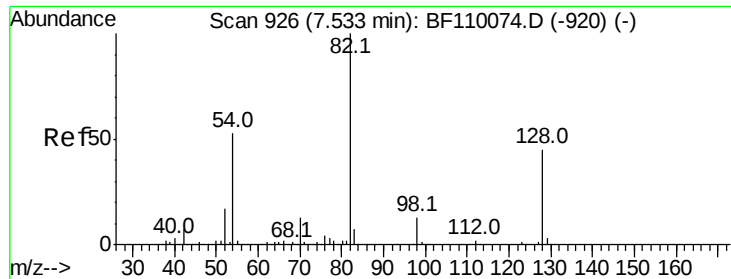
Lab File: BF110299.D

Acq: 30 Oct 2018 13:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		560484		
137	11.0	8.8	13.2		
54	7.8	5.4	8.2		
68	5.2	4.2	6.2		

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





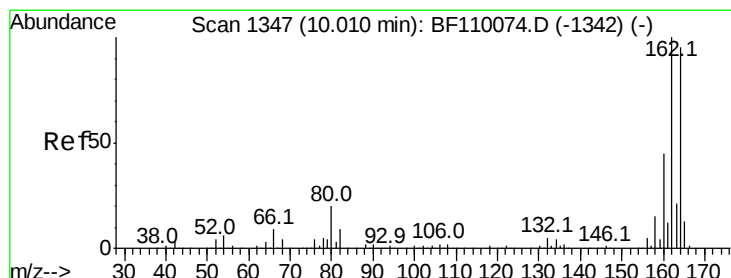
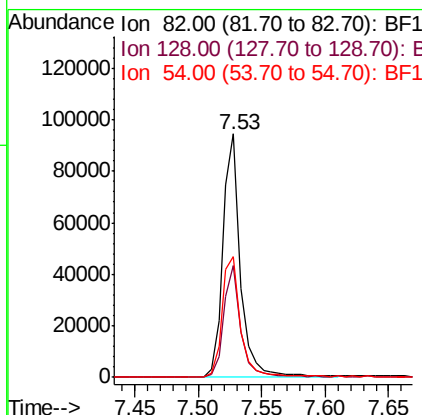
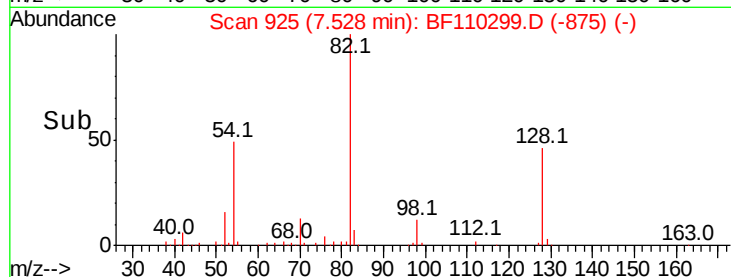
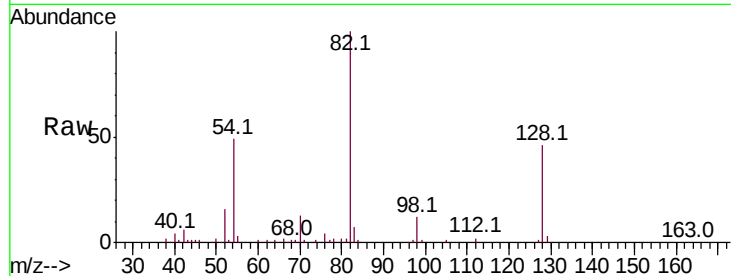
#23
Nitrobenzene-d5
Concen: 9.735 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.01 min
Lab File: BF110299.D
Acq: 30 Oct 2018 13:33

Instrument :
BNA_F
ClientSampleId :
SU-02-102518-ADL

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.2	34.2	51.2
54	49.4	38.6	58.0

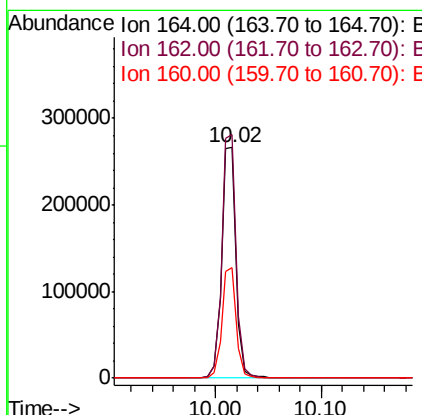
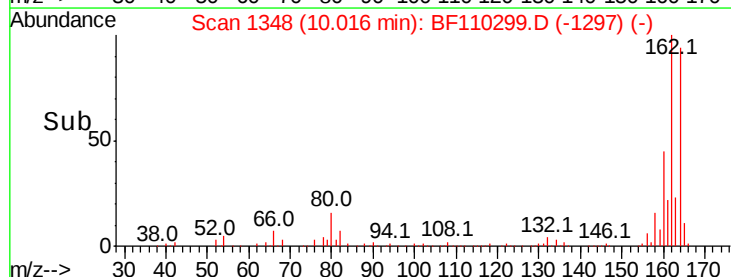
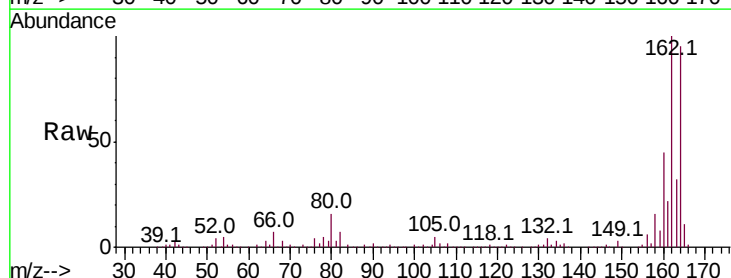
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.00 min
Lab File: BF110299.D
Acq: 30 Oct 2018 13:33

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.8	83.0	124.6
160	47.9	37.0	55.6





#42

2,4,6-Tribromophenol

Concen: 12.566 ng

RT: 10.80 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BF110299.D

Acq: 30 Oct 2018 13:33

Instrument :

BNA_F

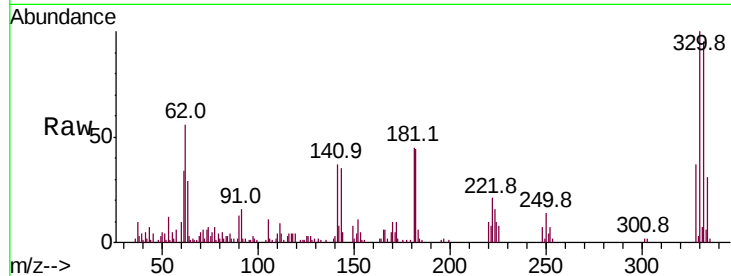
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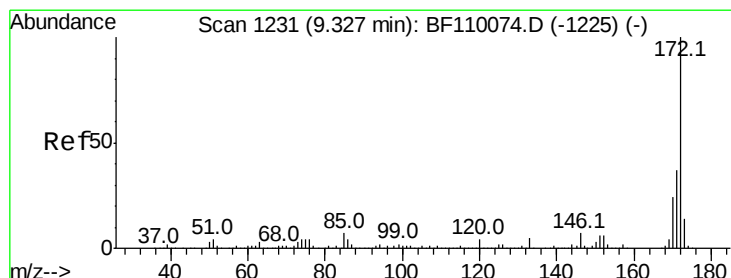
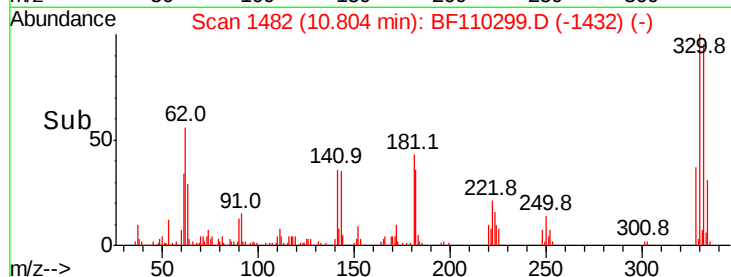
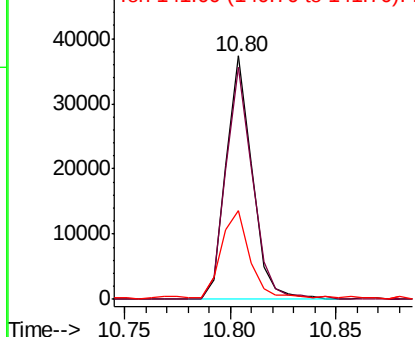
Tot Ion:	330	Resp:	31784
Ion Ratio	Lower	Upper	
330	100		
332	98.3	77.1	115.7
141	43.4	27.0	40.4#

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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: 11.854 ng

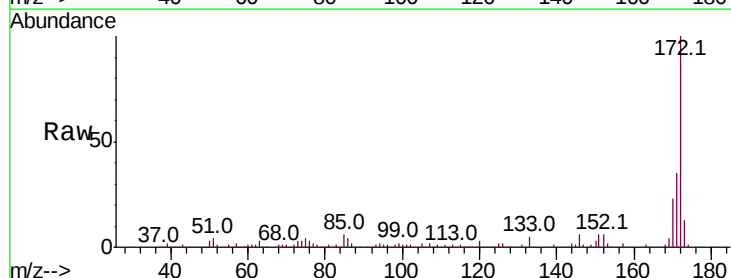
RT: 9.32 min Scan# 1230

Delta R.T. -0.01 min

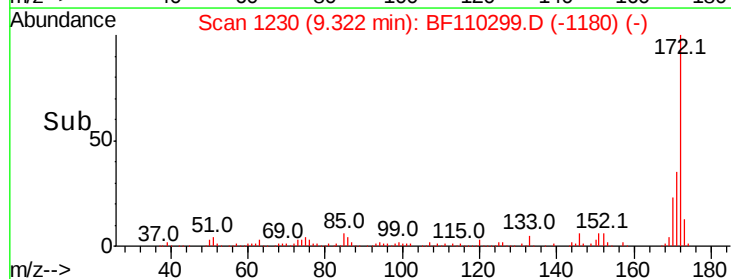
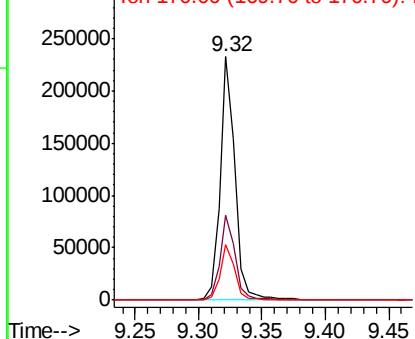
Lab File: BF110299.D

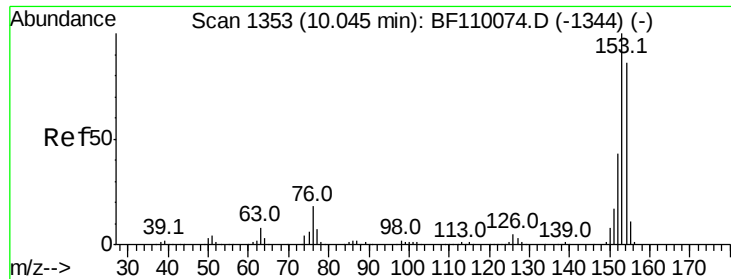
Acq: 30 Oct 2018 13:33

Tgt Ion:	172	Resp:	192759
Ion Ratio	Lower	Upper	
172	100		
171	34.9	28.6	43.0
170	22.7	19.7	29.5



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





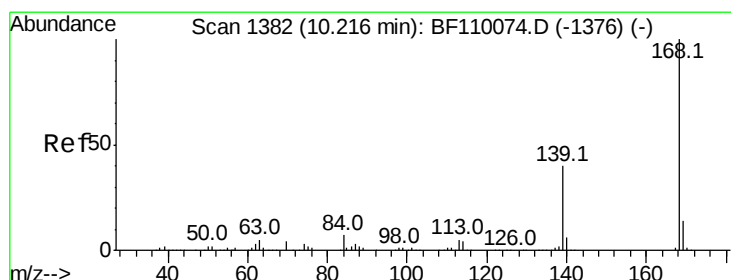
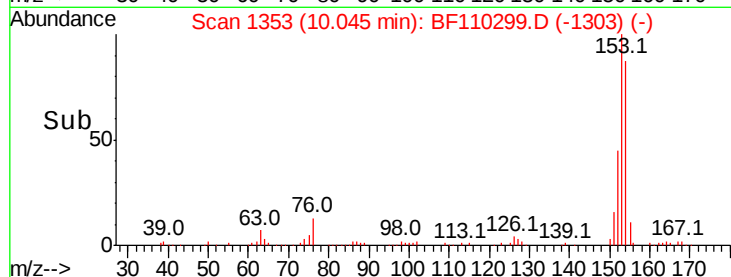
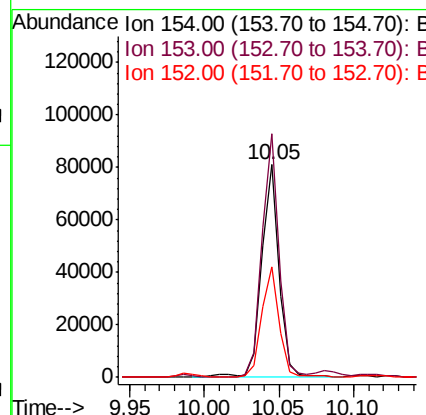
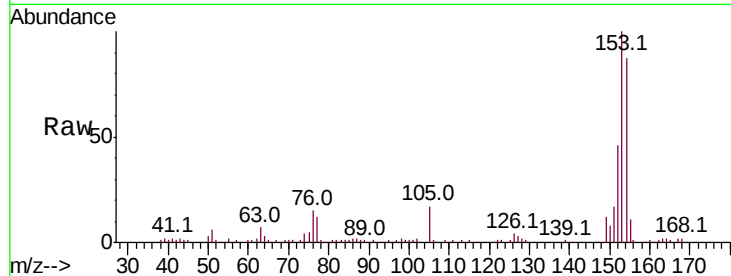
#52
Acenaphthene
Concen: 4.000 ng
RT: 10.05 min Scan# 1353
Delta R.T. -0.01 min
Lab File: BF110299.D
Acq: 30 Oct 2018 13:33

Instrument :
BNA_F
ClientSampleId :
SU-02-102518-ADL

Tot Ion	Ratio	Lower	Upper
154	100		
153	114.5	90.1	135.1
152	52.2	43.4	65.2

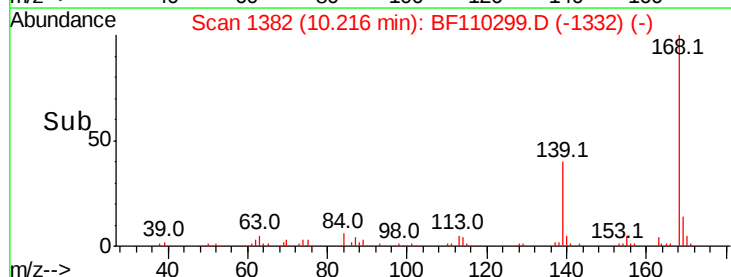
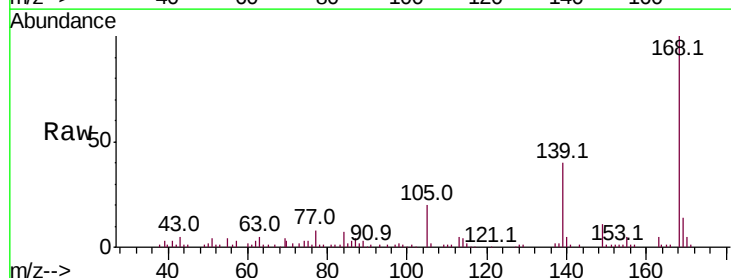
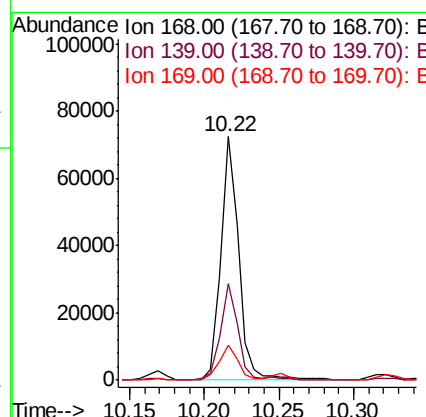
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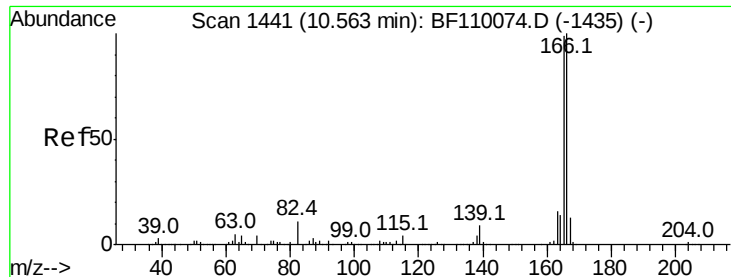
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#55
Dibenzofuran
Concen: 2.672 ng
RT: 10.22 min Scan# 1382
Delta R.T. -0.01 min
Lab File: BF110299.D
Acq: 30 Oct 2018 13:33

Tgt Ion	Ratio	Lower	Upper
168	100		
139	39.6	33.0	49.6
169	14.5	11.3	16.9





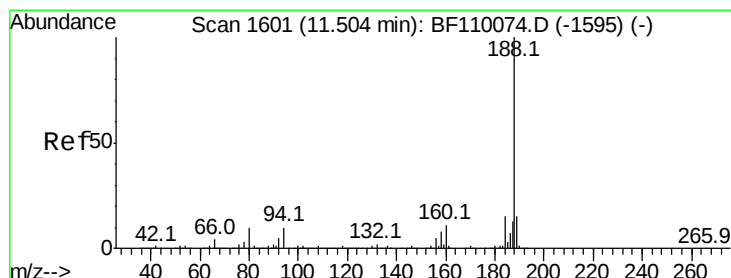
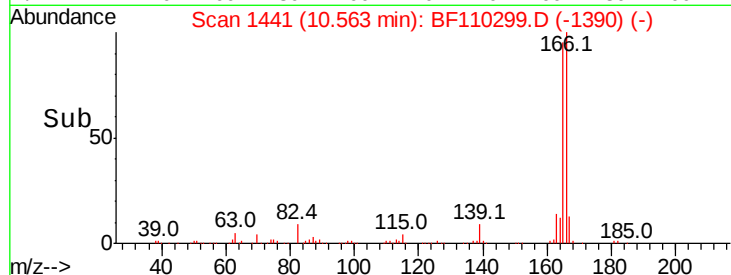
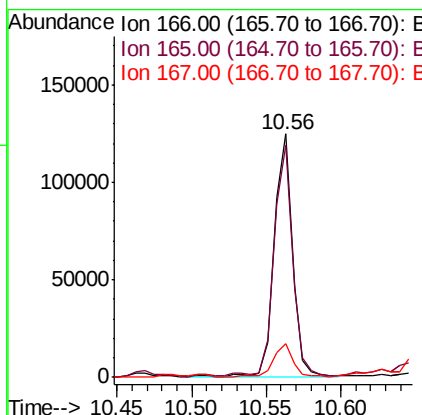
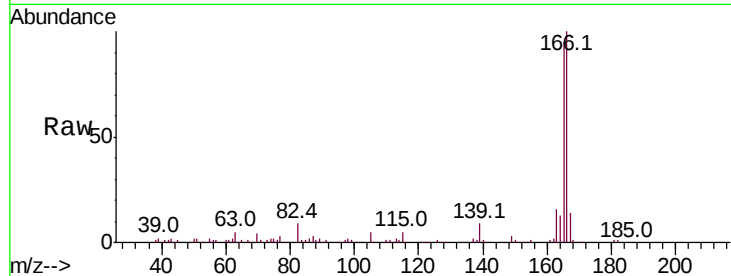
#58
 Fluorene
 Concen: 6.267 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: BF110299.D
 Acq: 30 Oct 2018 13:33

Instrument :
 BNA_F
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 SU-02-102518-ADL

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	95.2	78.6	117.8	
167	13.6	10.8	16.2	

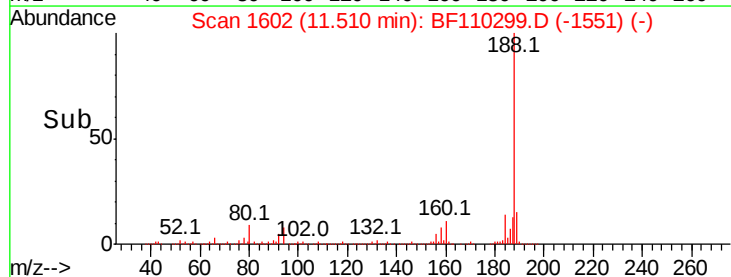
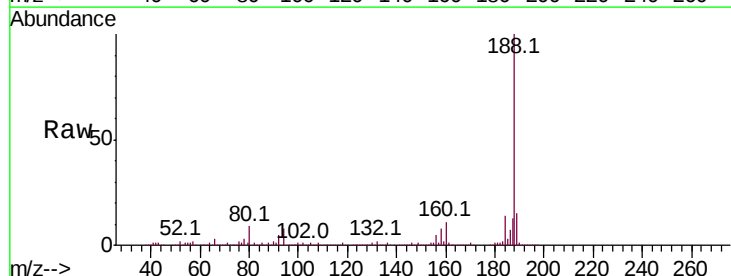
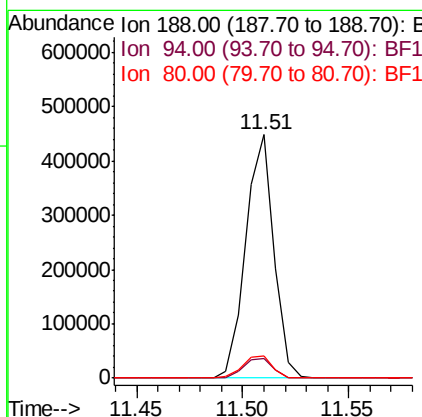
Manual Integrations
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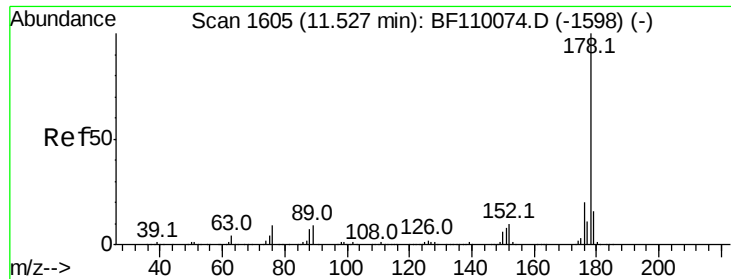
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. 0.00 min
 Lab File: BF110299.D
 Acq: 30 Oct 2018 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	8.2	7.2	10.8	
80	9.1	7.9	11.9	





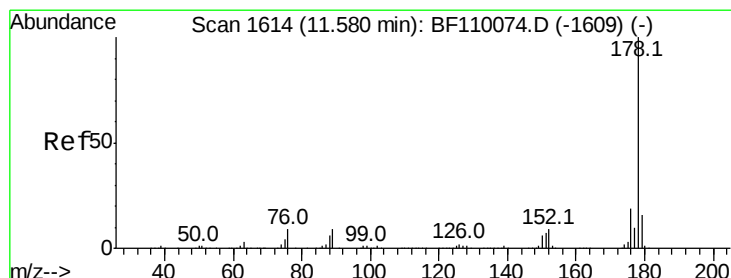
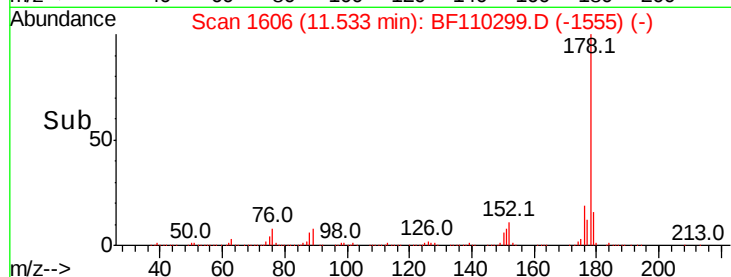
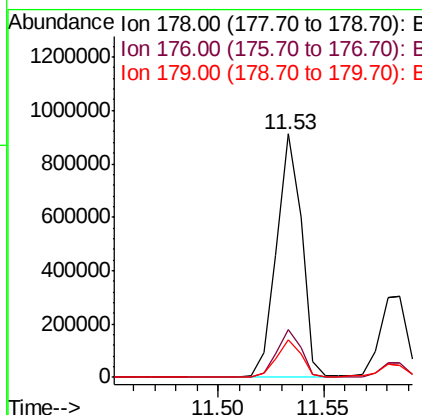
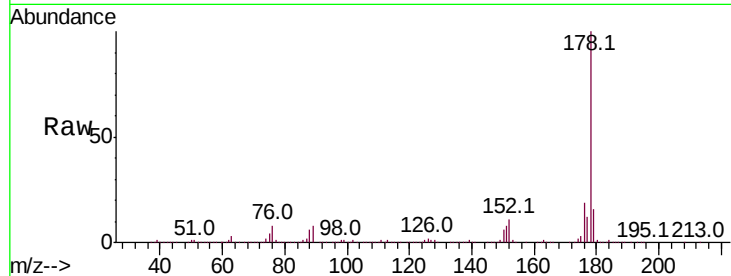
#71
Phenanthrene
Concen: 34.844 ng
RT: 11.53 min Scan# 1606
Delta R.T. 0.00 min
Lab File: BF110299.D
Acq: 30 Oct 2018 13:33

Instrument :
BNA_F
ClientSampleId :
SU-02-102518-ADL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.5	23.3
179	15.7	12.5	18.7

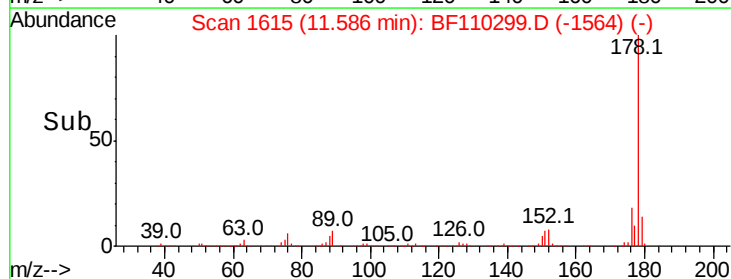
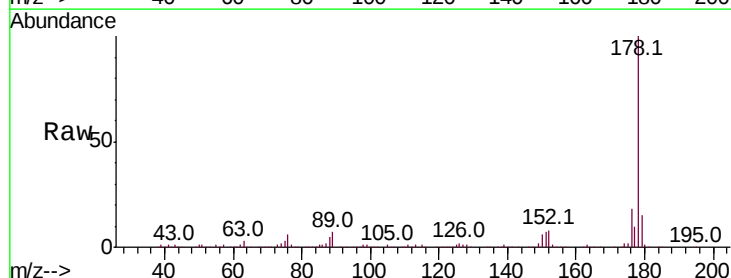
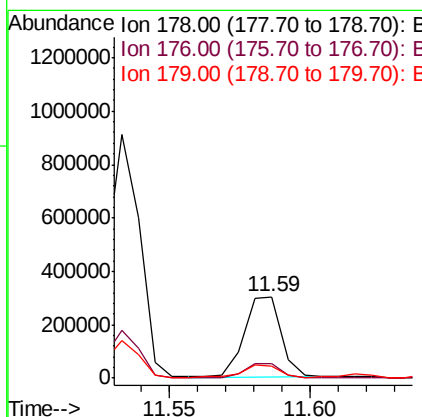
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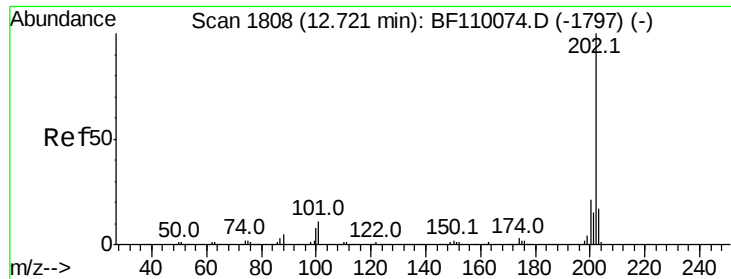
Sohil
10/31/2018 11:14:56 AM



#72
Anthracene
Concen: 12.550 ng
RT: 11.59 min Scan# 1615
Delta R.T. 0.00 min
Lab File: BF110299.D
Acq: 30 Oct 2018 13:33

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.2
179	14.6	12.6	18.8





#75

Fluoranthene

Concen: 46.330 ng

RT: 12.73 min Scan# 1810

Delta R.T. 0.01 min

Lab File: BF110299.D

Acq: 30 Oct 2018 13:33

Instrument :

BNA_F

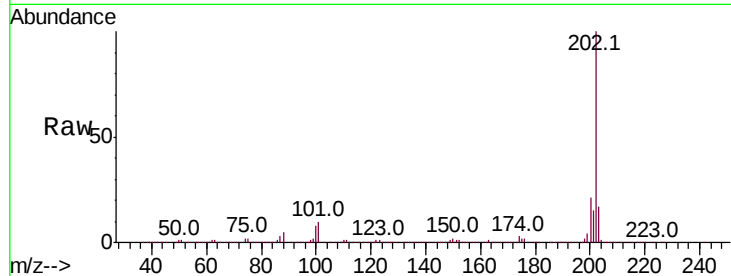
ClientSampleId :

SU-02-102518-ADL

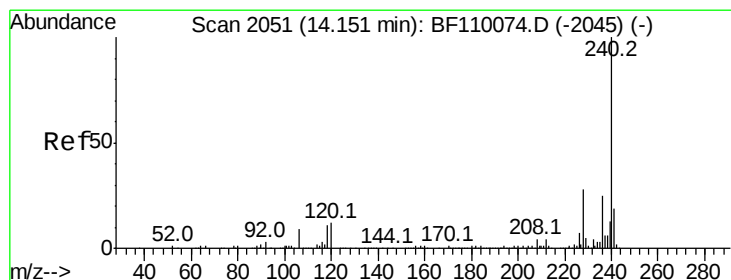
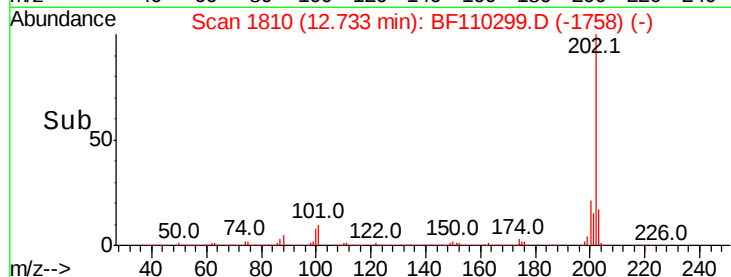
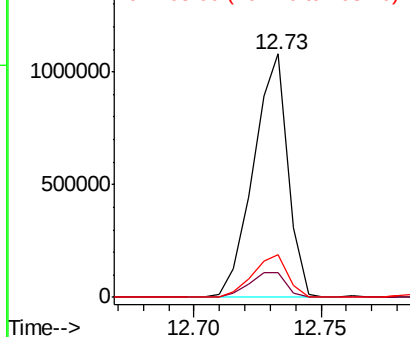
Tot Ion:	202	Resp:	1018033
Ion Ratio	Lower	Upper	
202	100		
101	10.4	0.0	31.4
203	17.5	0.0	37.7

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2053

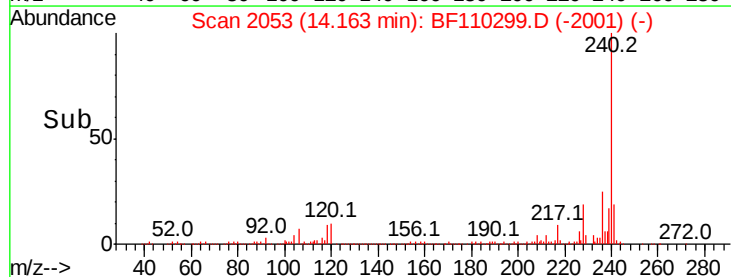
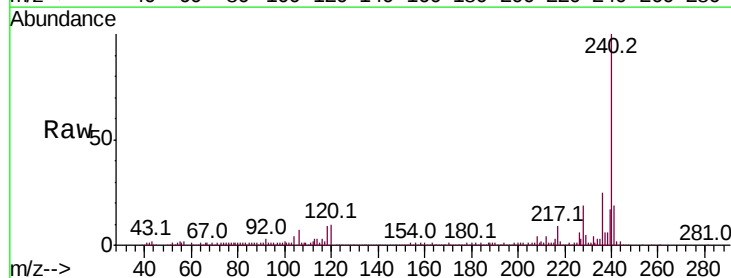
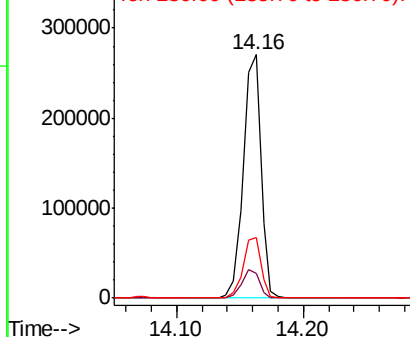
Delta R.T. 0.01 min

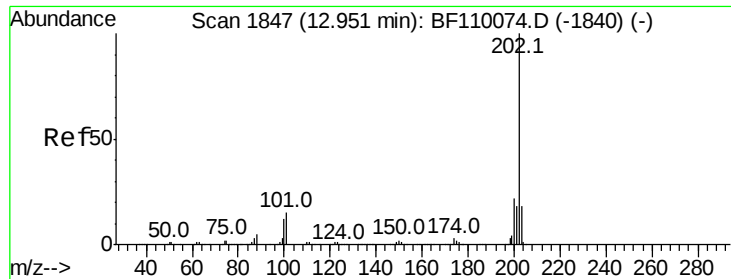
Lab File: BF110299.D

Acq: 30 Oct 2018 13:33

Tgt Ion:	240	Resp:	260414
Ion Ratio	Lower	Upper	
240	100		
120	9.9	8.3	12.5
236	25.0	21.2	31.8

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





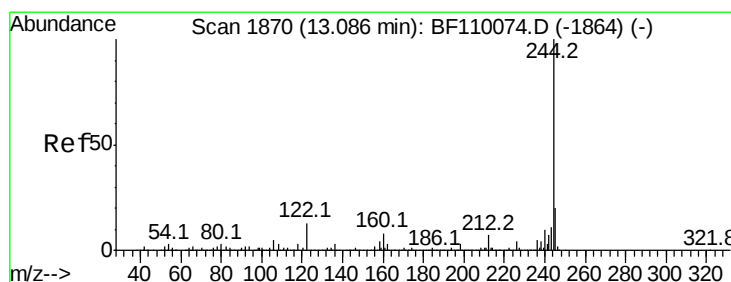
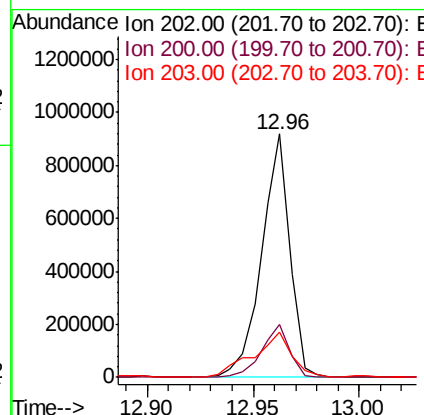
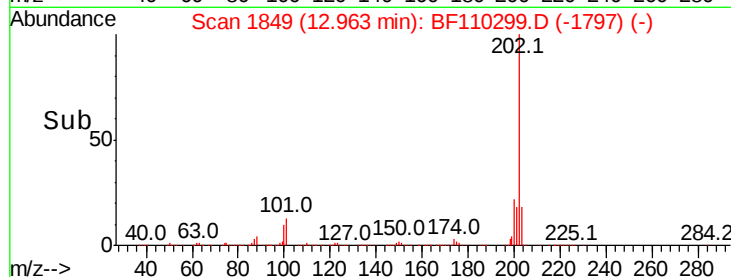
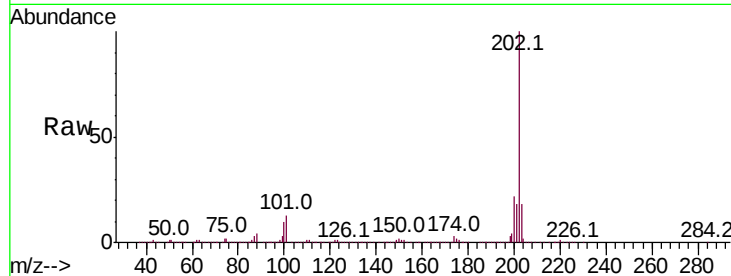
#78
Pvrene
Concen: 45.704 ng
RT: 12.96 min Scan# 1849
Delta R.T. 0.01 min
Lab File: BF110299.D
Acq: 30 Oct 2018 13:33

Instrument :
BNA_F
ClientSampleId :
SU-02-102518-ADL

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.8	26.6
203	18.3	14.2	21.4

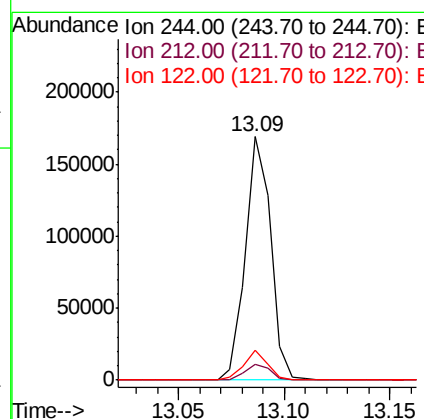
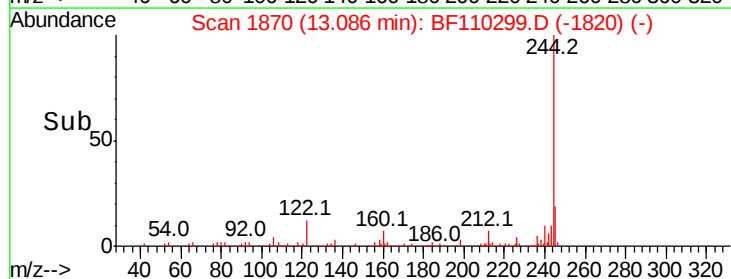
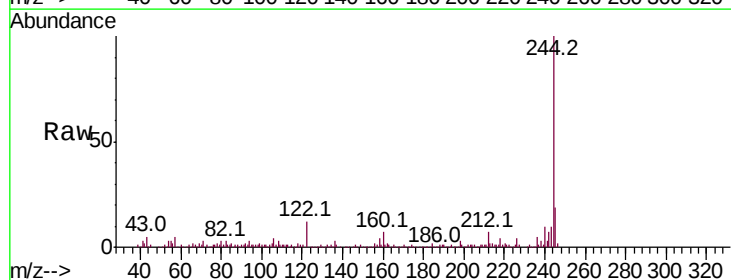
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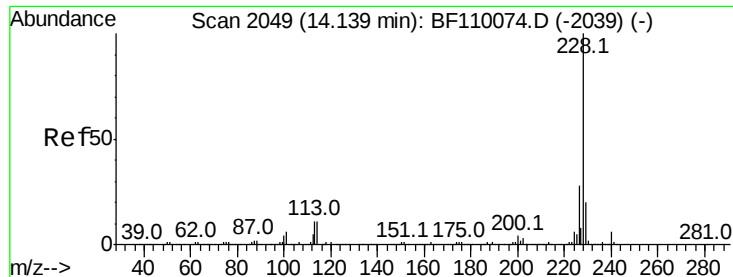
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#79
Terphenyl-d14
Concen: 11.149 ng
RT: 13.09 min Scan# 1870
Delta R.T. -0.01 min
Lab File: BF110299.D
Acq: 30 Oct 2018 13:33

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.8
122	12.1	8.7	13.1





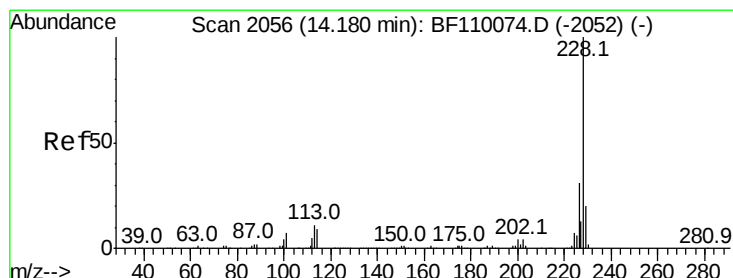
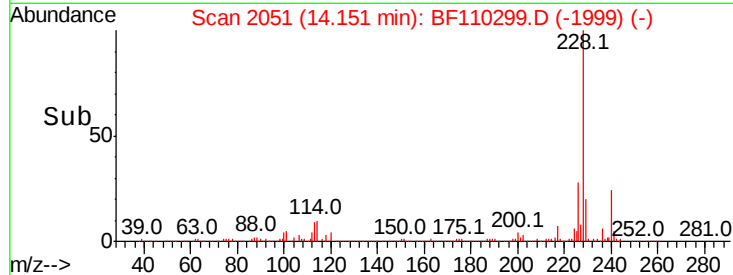
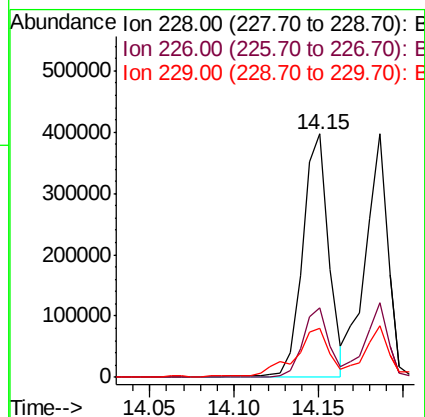
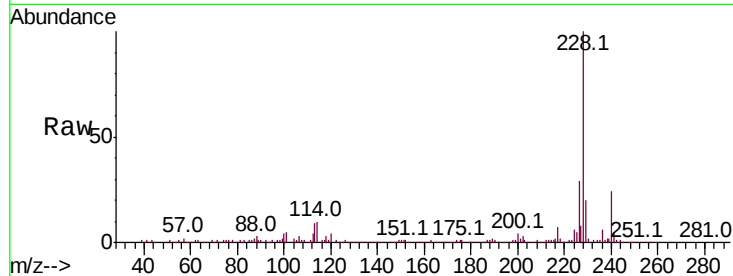
#81
Benzo(a)anthracene
Concen: 27.350 ng
RT: 14.15 min Scan# 2051
Delta R.T. 0.01 min
Lab File: BF110299.D
Acq: 30 Oct 2018 13:33

Instrument :
BNA_F
ClientSampleId :
SU-02-102518-ADL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.1	33.1
229	20.3	15.6	23.4

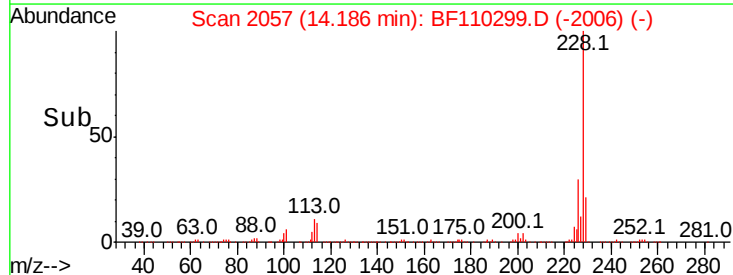
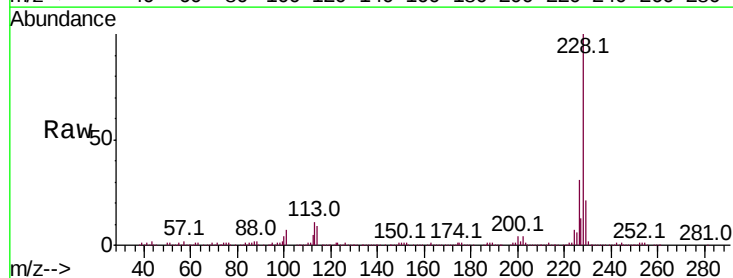
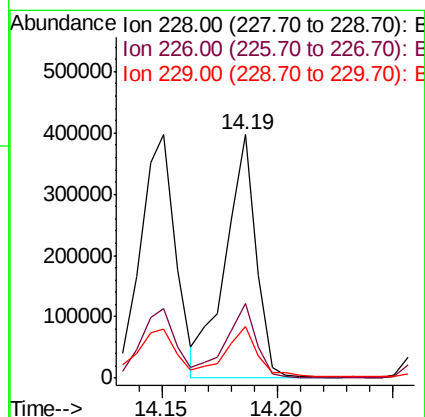
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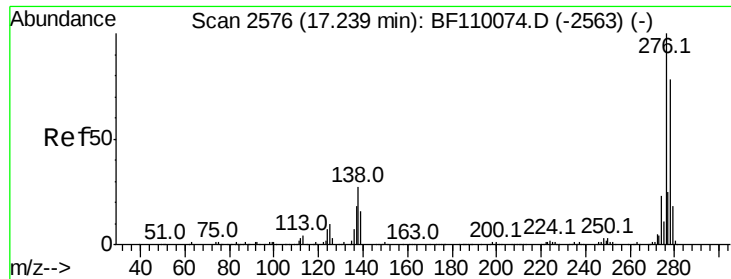
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#83
Chrysene
Concen: 24.835 ng
RT: 14.19 min Scan# 2057
Delta R.T. 0.00 min
Lab File: BF110299.D
Acq: 30 Oct 2018 13:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.7	37.1
229	21.4	15.9	23.9





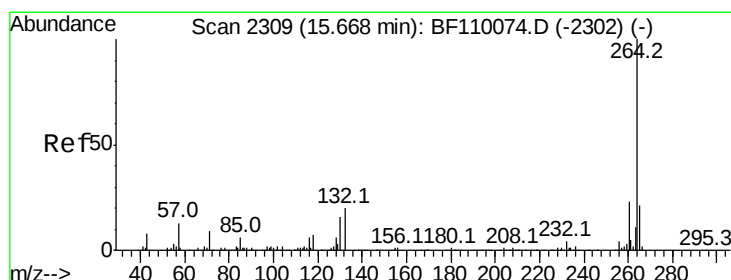
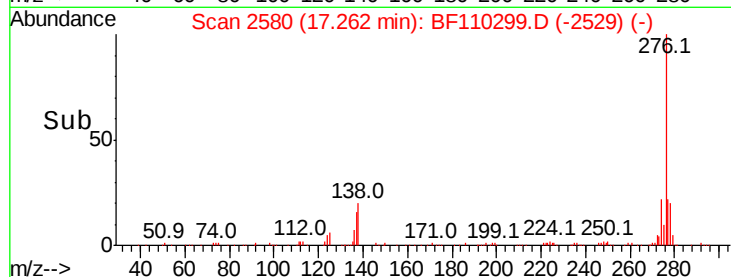
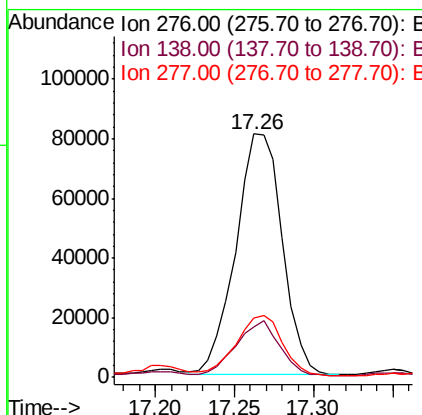
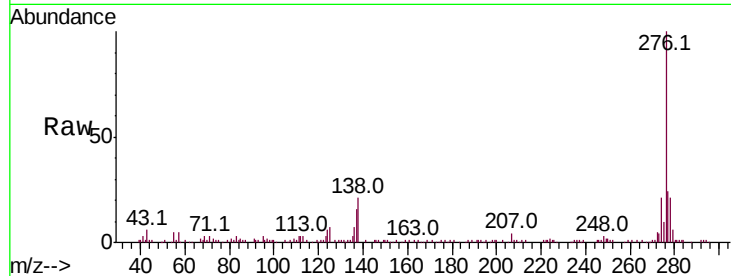
#86
Indeno(1,2,3-cd)pyrene
Concen: 13.562 ng
RT: 17.26 min Scan# 2580
Delta R.T. 0.00 min
Lab File: BF110299.D
Acq: 30 Oct 2018 13:33

Instrument :
BNA_F
ClientSampleId :
SU-02-102518-ADL

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.8	18.5	27.7
277	25.5	20.0	30.0

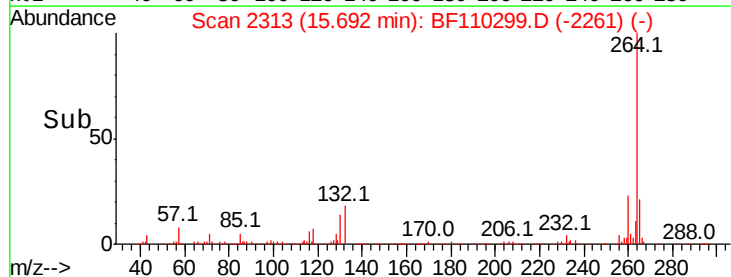
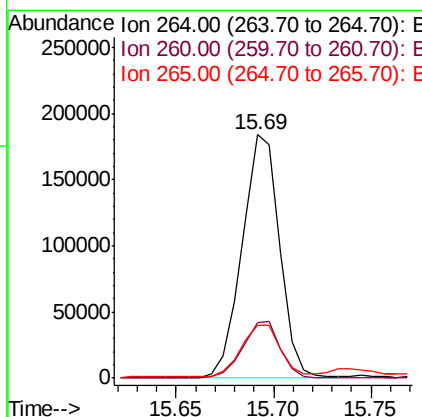
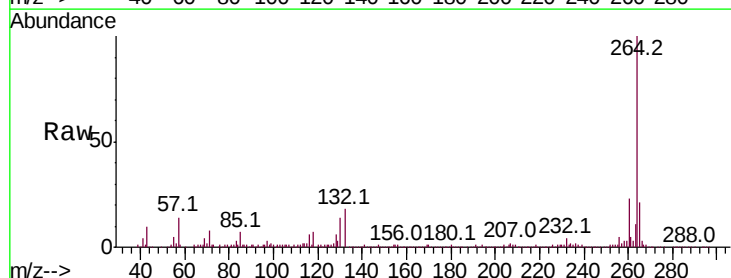
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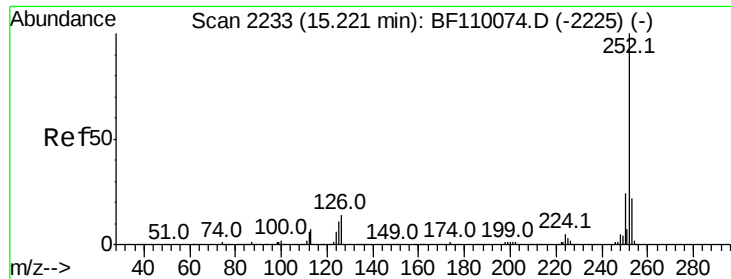
Sohil
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2313
Delta R.T. 0.01 min
Lab File: BF110299.D
Acq: 30 Oct 2018 13:33

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.7	28.1
265	21.5	16.7	25.1





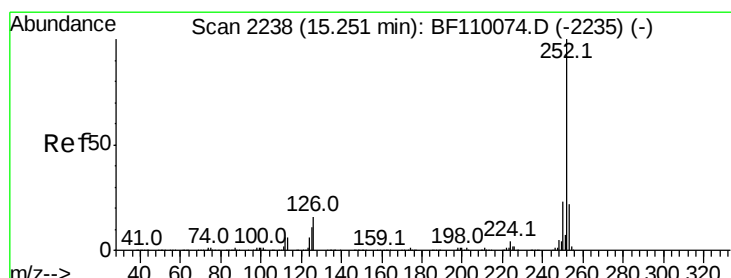
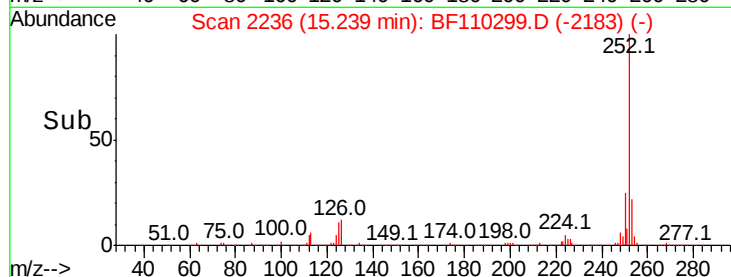
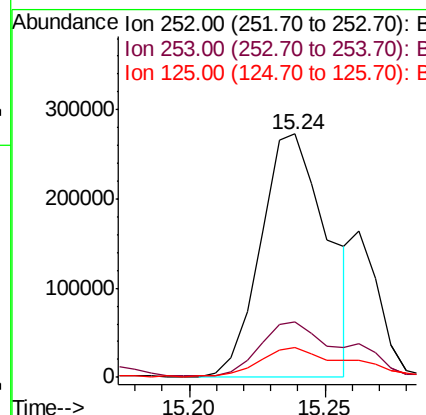
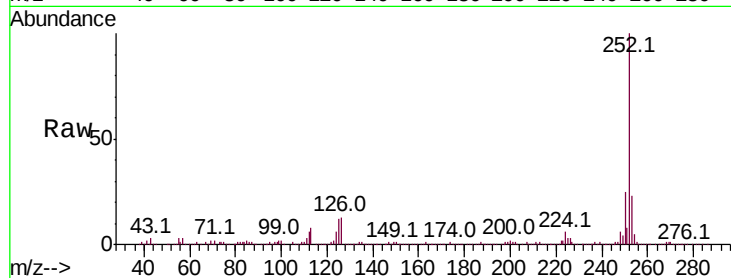
#88
Benzo(b)fluoranthene
Concen: 33.025 ng m
RT: 15.24 min Scan# 2236
Delta R.T. 0.01 min
Lab File: BF110299.D
Acq: 30 Oct 2018 13:33

Instrument :
BNA_F
ClientSampleId :
SU-02-102518-ADL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.2	25.8
125	12.0	8.2	12.4

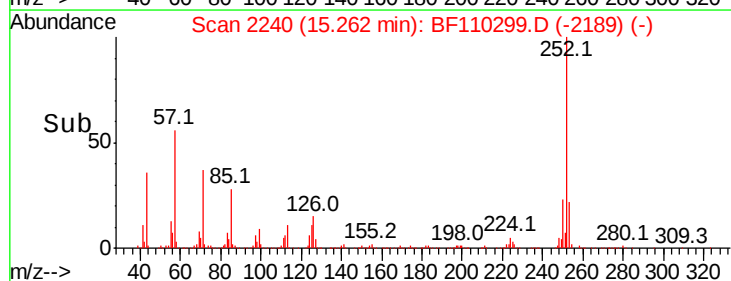
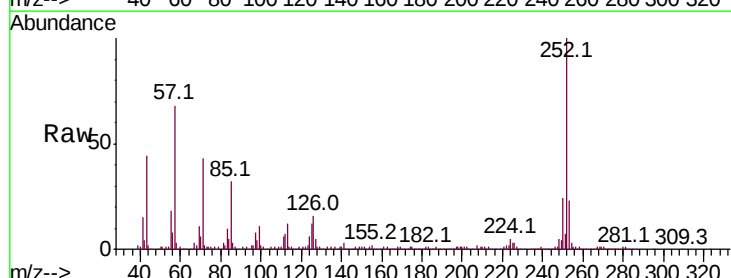
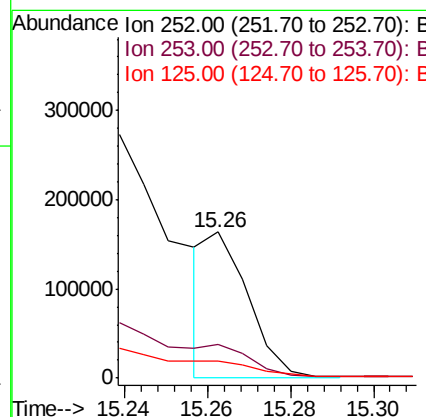
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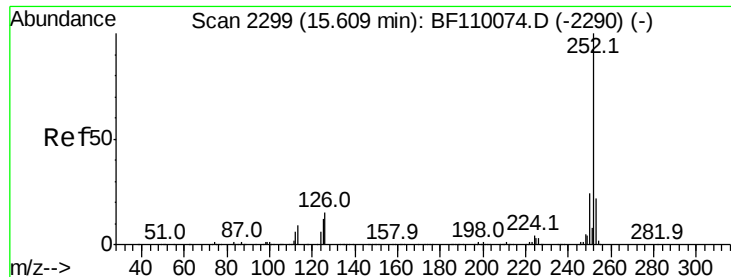
Sohil
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#89
Benzo(k)fluoranthene
Concen: 8.220 ng m
RT: 15.26 min Scan# 2240
Delta R.T. 0.00 min
Lab File: BF110299.D
Acq: 30 Oct 2018 13:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.2	25.8
125	11.7	7.4	11.0#





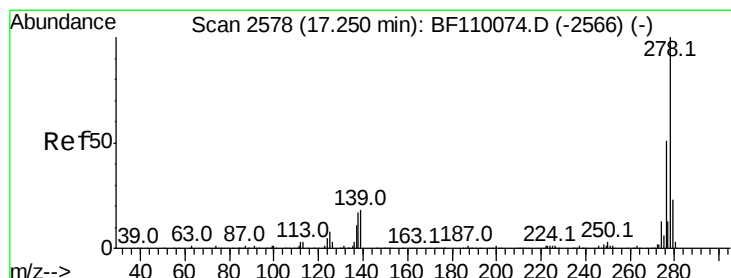
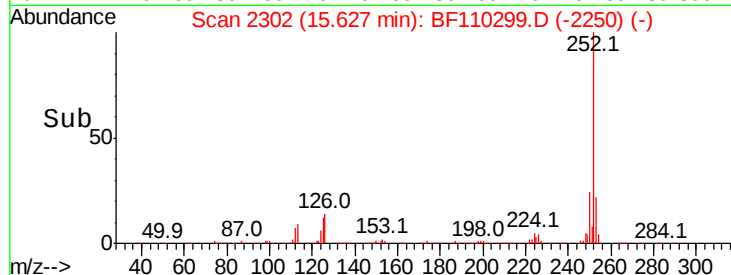
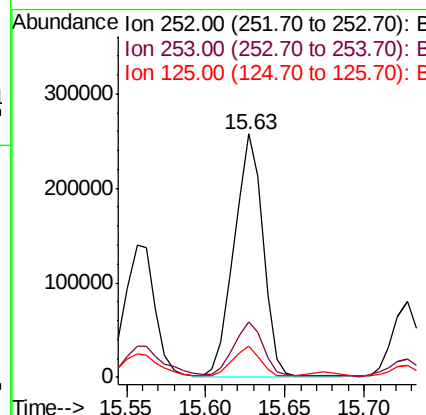
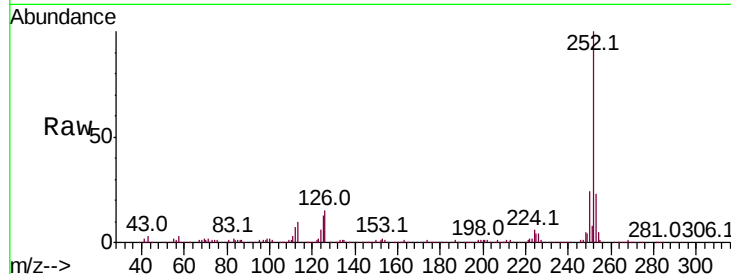
#90
Benzo(a)pyrene
Concen: 24.978 ng
RT: 15.63 min Scan# 2302
Delta R.T. 0.01 min
Lab File: BF110299.D
Acq: 30 Oct 2018 13:33

Instrument :
BNA_F
ClientSampleId :
SU-02-102518-ADL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.4
125	12.6	9.0	13.6

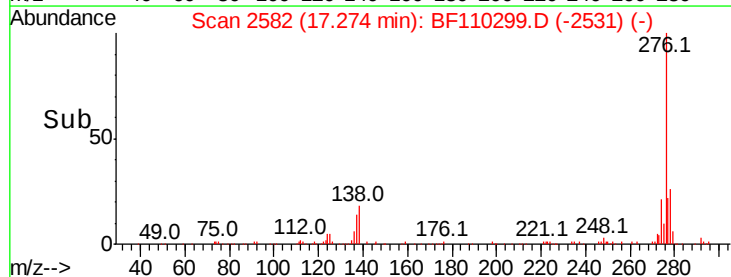
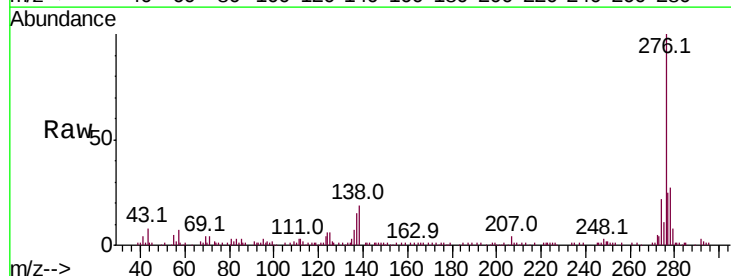
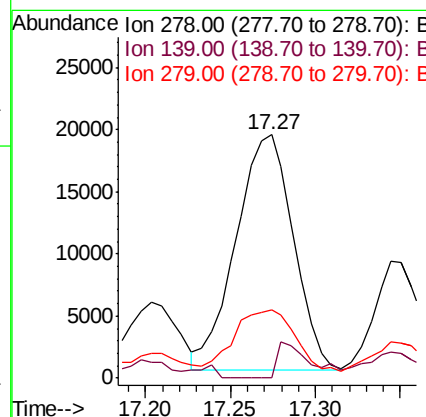
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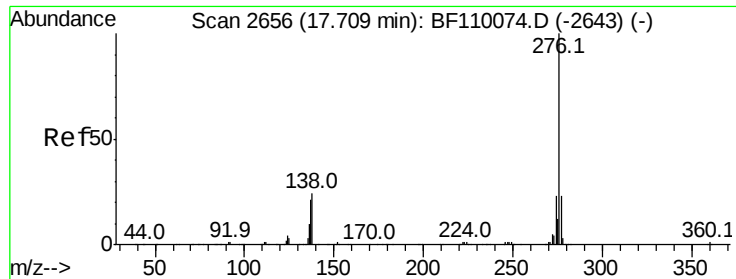
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#91
Dibenzo(a,h)anthracene
Concen: 3.979 ng m
RT: 17.27 min Scan# 2582
Delta R.T. 0.00 min
Lab File: BF110299.D
Acq: 30 Oct 2018 13:33

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.7	19.1#
279	28.1	19.0	28.4





#92
 Benzo(a,h,i)perylene
 Concen: 13.206 ng
 RT: 17.74 min Scan# 2662
 Delta R.T. 0.01 min
 Lab File: BF110299.D
 Acq: 30 Oct 2018 13:33

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-102518-ADL

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.8	28.2
138	22.4	16.0	24.0

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