

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112618\
 Data File : BF110976.D
 Acq On : 26 Nov 2018 21:01
 Operator : JU/SJ
 Sample : J5770-05 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-112118-A

Manual Integrations
 APPROVED

mohammad
 11/27/2018 11:47:58 AM

Quant Time: Nov 27 03:50:24 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 26 15:26:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	55678	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	206802	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	82012	20.00	ng	0.00
64) Phenanthrene-d10	11.47	188	151559	20.00	ng	0.00
76) Chrysene-d12	14.13	240	104739	20.00	ng	0.00
87) Perylene-d12	15.67	264	80788	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	148298	44.17	ng	0.01
7) Phenol-d6	6.57	99	183123	41.85	ng	0.00
23) Nitrobenzene-d5	7.51	82	101273	28.03	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	34025	41.77	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	174940	30.90	ng	0.00
79) Terphenyl-d14	13.06	244	156505	29.09	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.69	163	23685	3.938	ng	Qvalue # 98
52) Acenaphthene	10.02	154	12844	2.570	ng	97
58) Fluorene	10.53	166	22239	3.921	ng	100
71) Phenanthrene	11.50	178	212866	26.519	ng	98
72) Anthracene	11.56	178	67695	8.281	ng	97
75) Fluoranthene	12.70	202	327428	39.688	ng	98
78) Pyrene	12.93	202	301739	39.444	ng	98
81) Benzo(a)anthracene	14.12	228	119593	19.340	ng	98
83) Chrysene	14.16	228	100695	16.542	ng	98
86) Indeno(1,2,3-cd)pyrene	17.27	276	39007	8.927	ng	96
88) Benzo(b)fluoranthene	15.22	252	98579m	20.771	ng	
89) Benzo(k)fluoranthene	15.24	252	34459m	7.054	ng	
90) Benzo(a)pyrene	15.61	252	72280	16.361	ng	97
91) Dibenzo(a,h)anthracene	17.27	278	9649	2.647	ng	# 66
92) Benzo(a,h,i)perylene	17.76	276	38300	10.898	ng	96

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

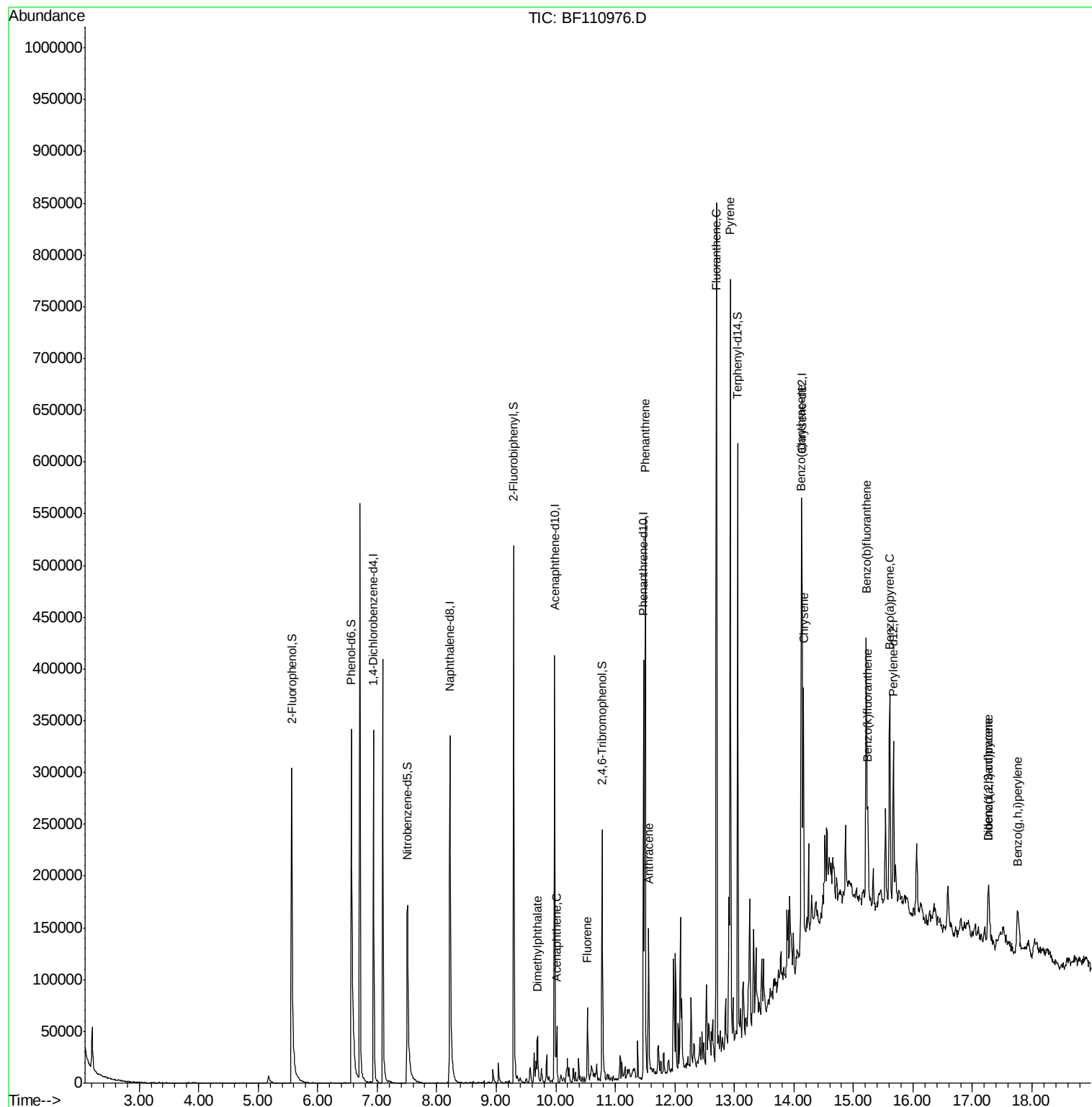
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112618\
Data File : BF110976.D
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ALS Vial : 17 Sample Multiplier: 1

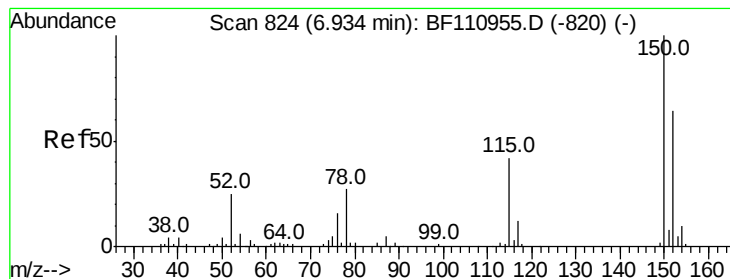
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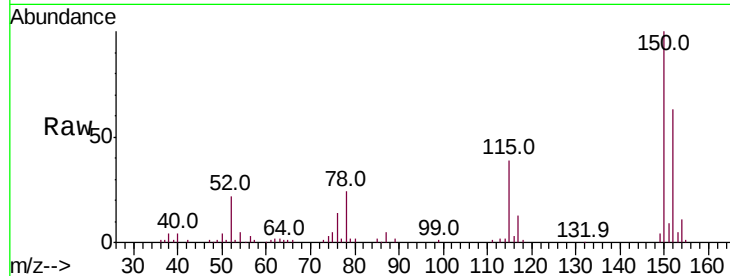
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.94 min Scan# 825
 Delta R.T. 0.01 min
 Lab File: BF110976.D
 Acq: 26 Nov 2018 21:01

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-112118-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	122.7	184.1
115	61.5	49.1	73.7

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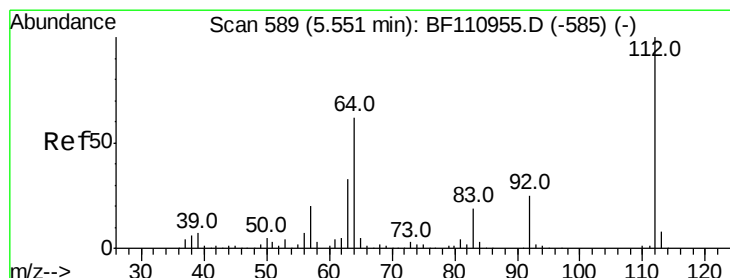
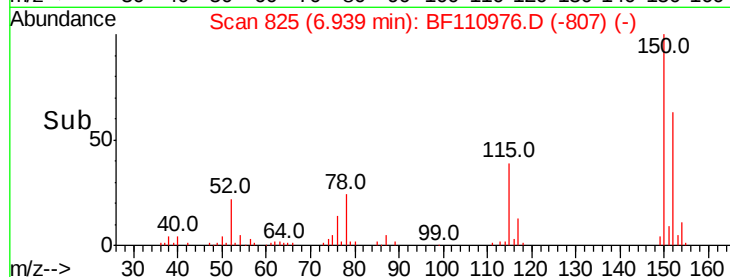
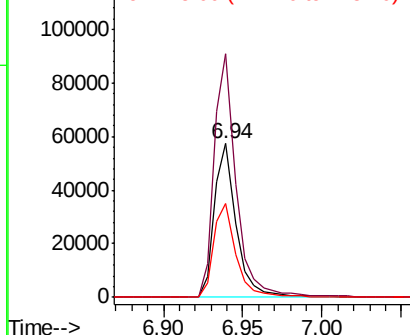


Abundance

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: 44.169 ng
 RT: 5.56 min Scan# 591
 Delta R.T. 0.01 min
 Lab File: BF110976.D
 Acq: 26 Nov 2018 21:01

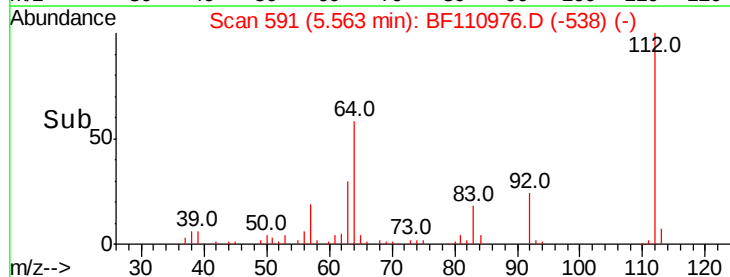
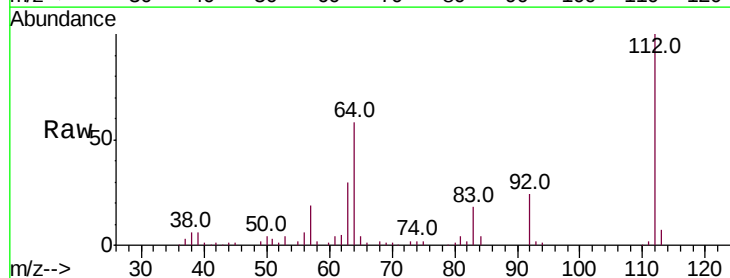
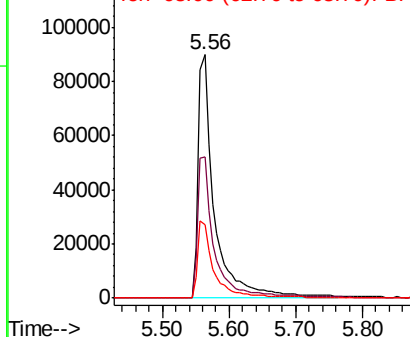
Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	44.1	66.1
63	30.1	23.7	35.5

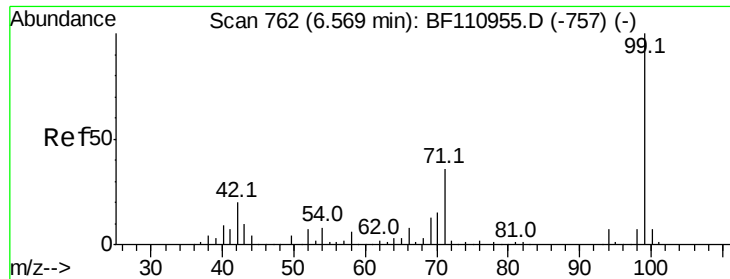
Abundance

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: 41.853 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.00 min

Lab File: BF110976.D

Acq: 26 Nov 2018 21:01

Instrument :

BNA_F

ClientSampleId :

OR-02-112118-A

Tot Ion: 99 Resp: 183123

Ion Ratio Lower Upper

99 100

42 18.7 15.8 23.6

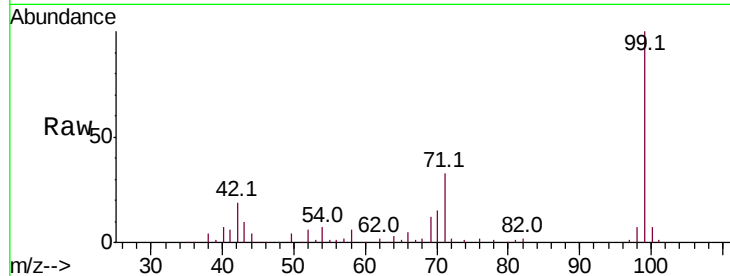
71 33.2 28.0 42.0

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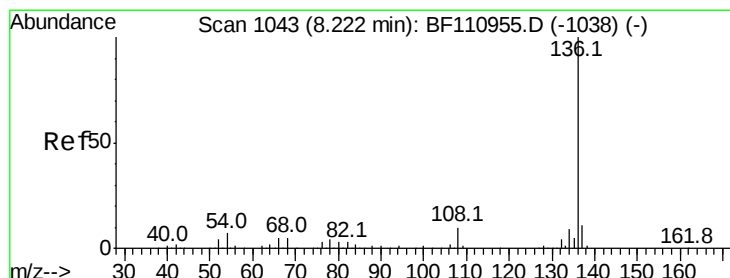
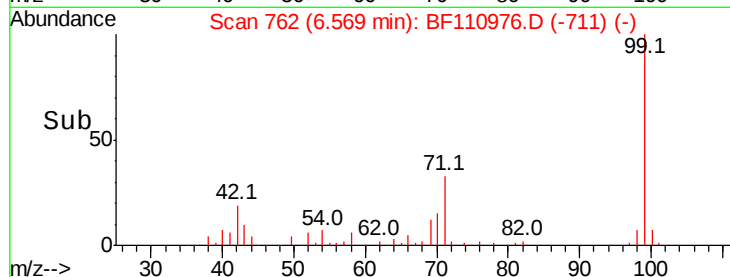
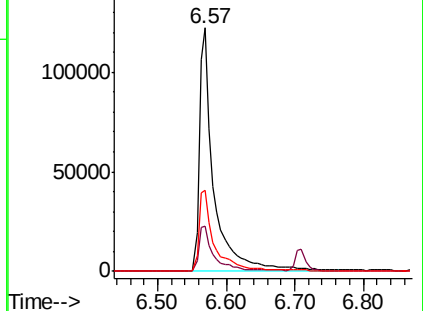
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 8.22 min Scan# 1043

Delta R.T. -0.00 min

Lab File: BF110976.D

Acq: 26 Nov 2018 21:01

Tgt Ion: 136 Resp: 206802

Ion Ratio Lower Upper

136 100

137 10.6 8.8 13.2

54 7.5 5.4 8.2

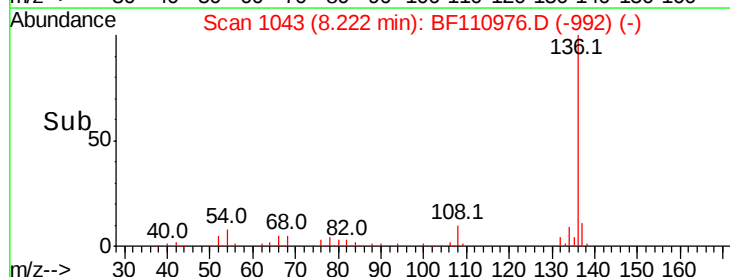
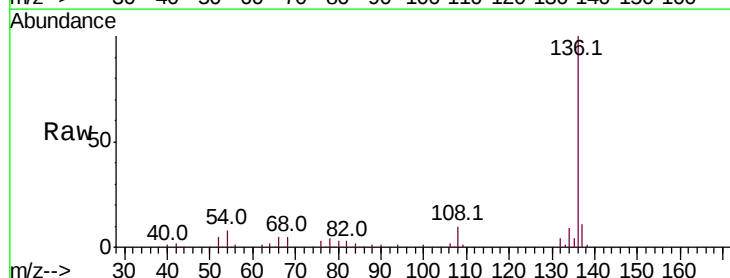
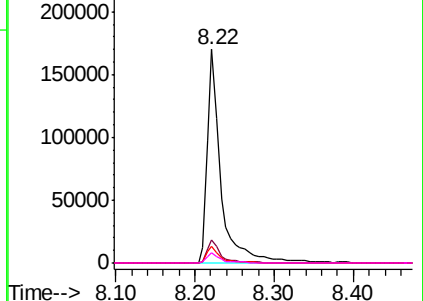
68 5.0 4.2 6.2

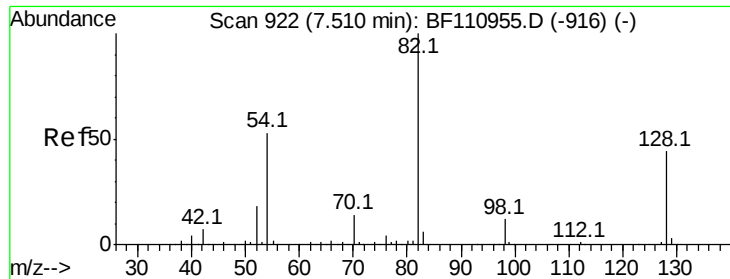
Abundance Ion 136.00 (135.70 to 136.70): E

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





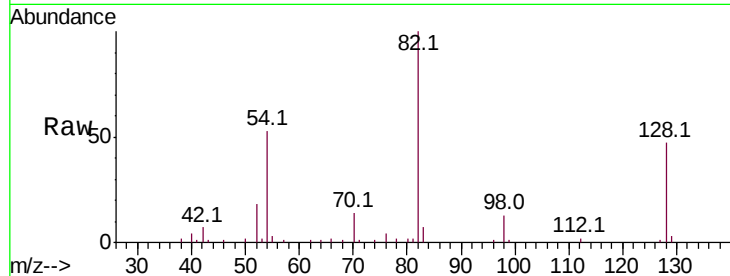
#23
Nitrobenzene-d5
Concen: 28.026 ng
RT: 7.51 min Scan# 922
Delta R.T. -0.00 min
Lab File: BF110976.D
Acq: 26 Nov 2018 21:01

Instrument :
BNA_F
ClientSampleId :
OR-02-112118-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.6	34.2	51.2
54	53.4	38.6	58.0

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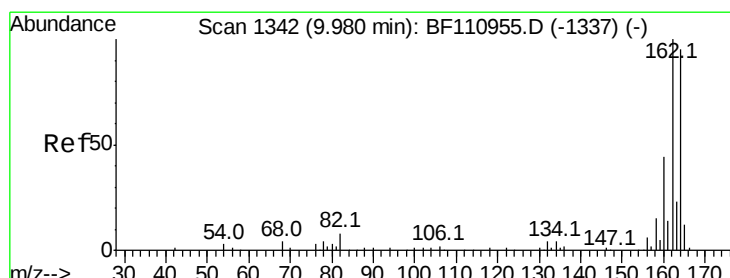
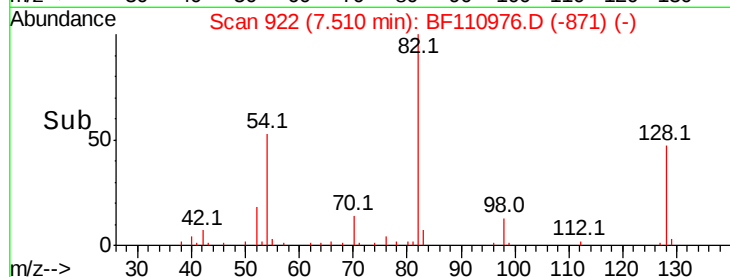
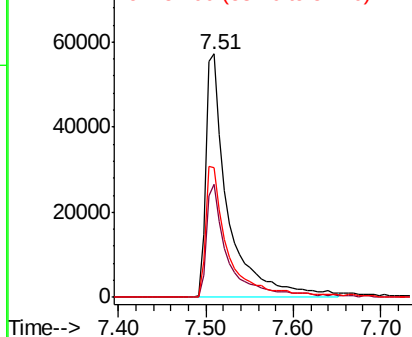


Abundance

Ion 82.00 (81.70 to 82.70): BF1

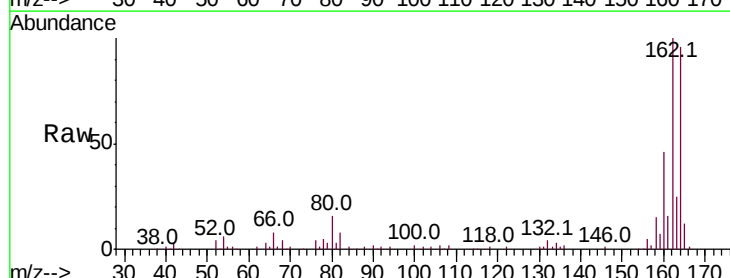
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.00 min
Lab File: BF110976.D
Acq: 26 Nov 2018 21:01

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.0	83.0	124.6
160	48.2	37.0	55.6

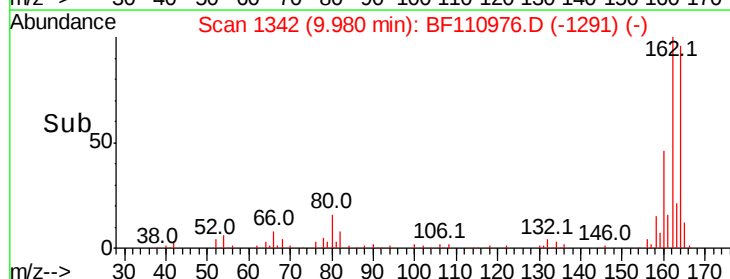
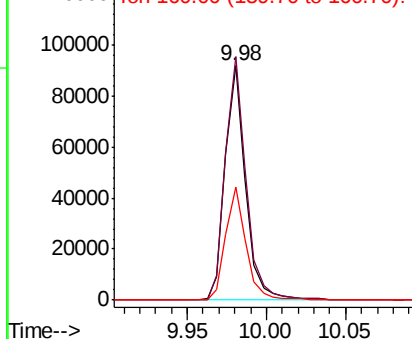


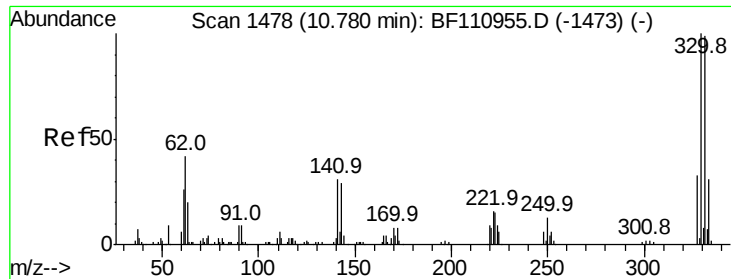
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





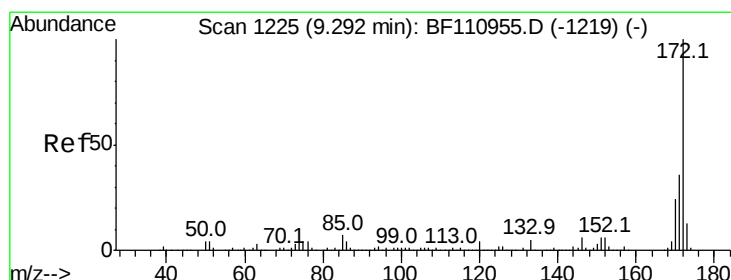
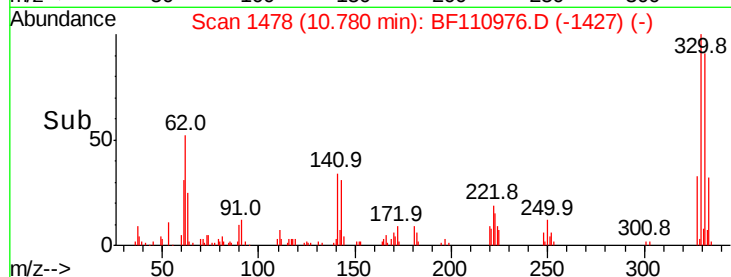
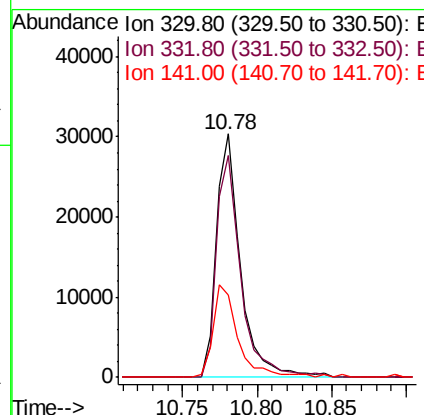
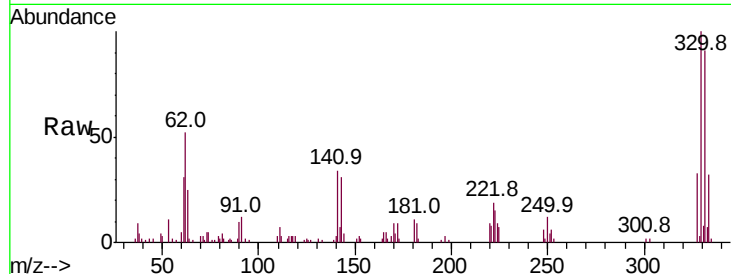
#42
 2,4,6-Tribromophenol
 Concen: 41.775 ng
 RT: 10.78 min Scan# 1478
 Delta R.T. -0.00 min
 Lab File: BF110976.D
 Acq: 26 Nov 2018 21:01

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-112118-A

Tot Ion	Ratio	Lower	Upper
330	100		
332	92.7	77.1	115.7
141	38.9	27.0	40.4

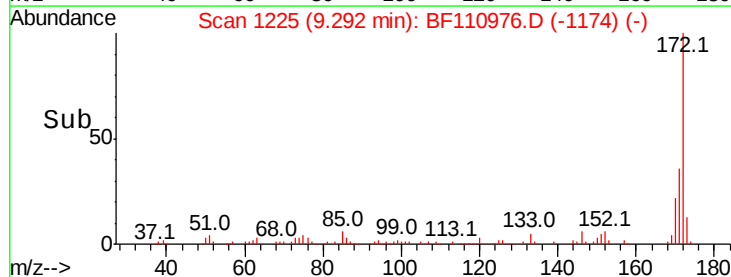
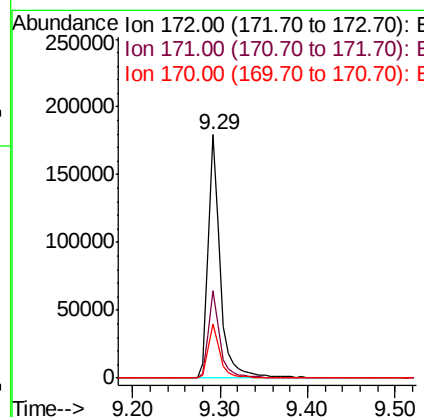
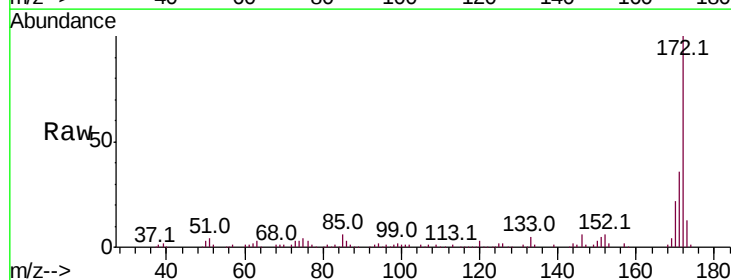
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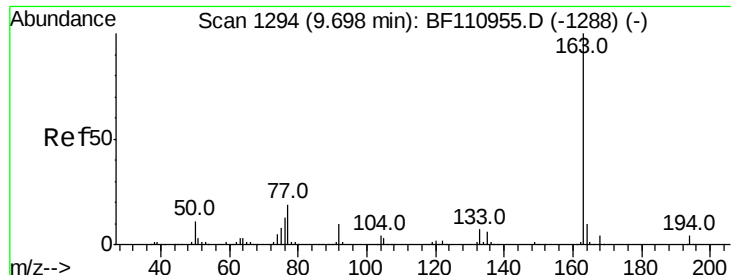
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#45
 2-Fluorobiphenyl
 Concen: 30.904 ng
 RT: 9.29 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: BF110976.D
 Acq: 26 Nov 2018 21:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.6	43.0
170	22.2	19.7	29.5





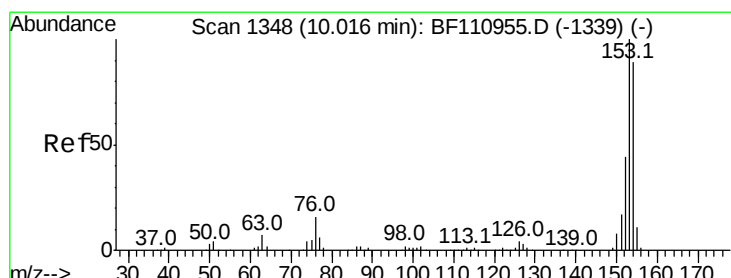
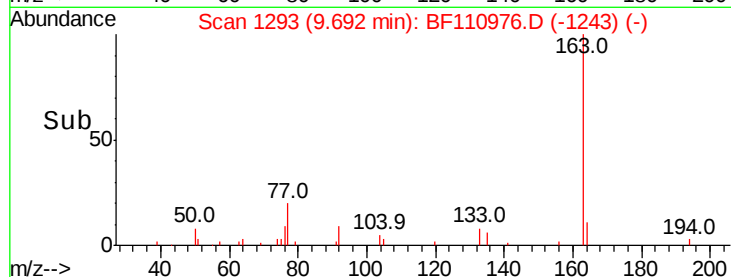
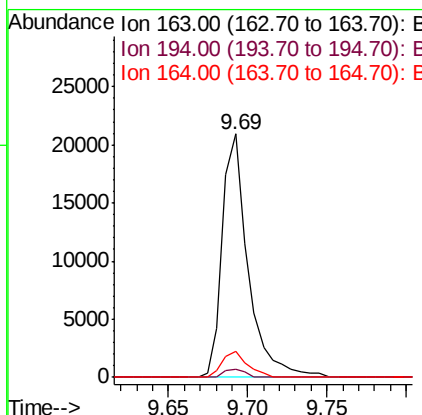
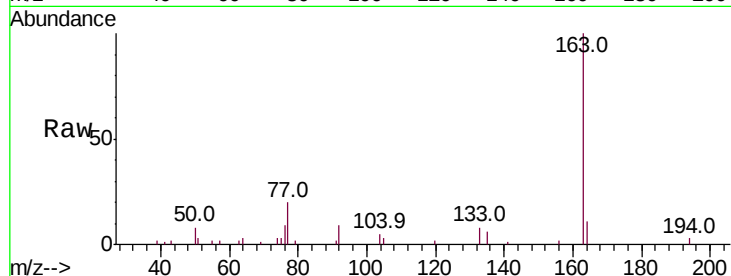
#50
Dimethylphthalate
Concen: 3.938 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF110976.D
Acq: 26 Nov 2018 21:01

Instrument :
BNA_F
ClientSampleId :
OR-02-112118-A

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.1	3.2	4.8#
164	10.6	8.1	12.1

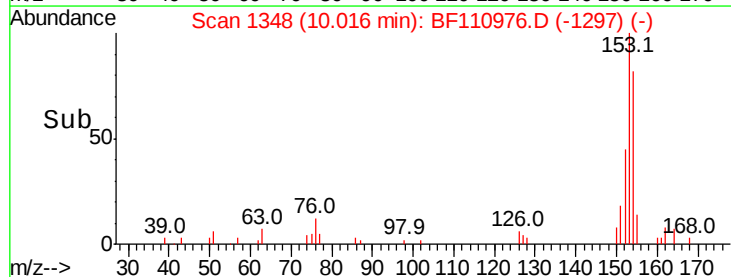
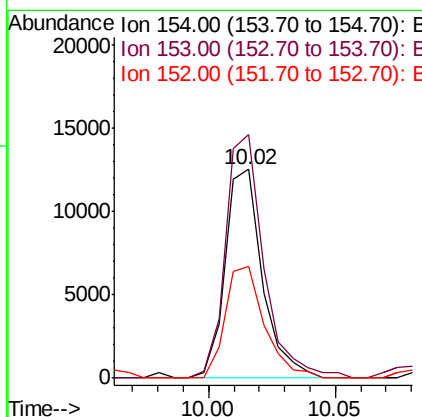
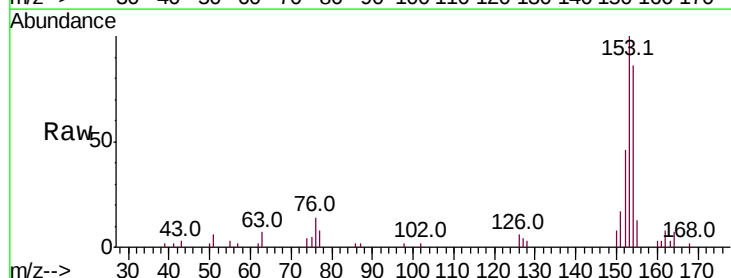
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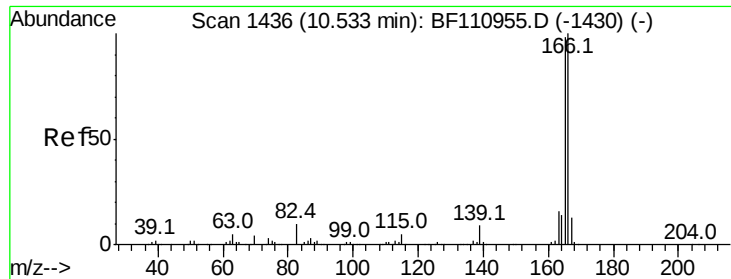
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#52
Acenaphthene
Concen: 2.570 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.00 min
Lab File: BF110976.D
Acq: 26 Nov 2018 21:01

Tgt Ion	Ratio	Lower	Upper
154	100		
153	116.5	90.1	135.1
152	53.5	43.4	65.2





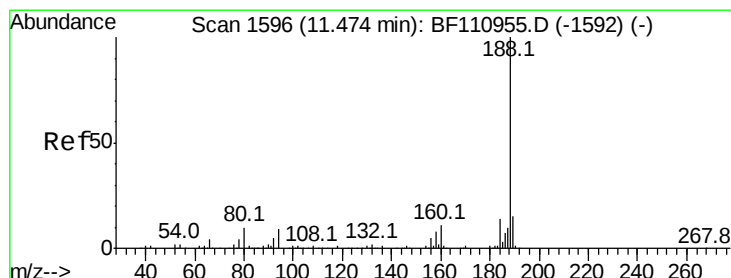
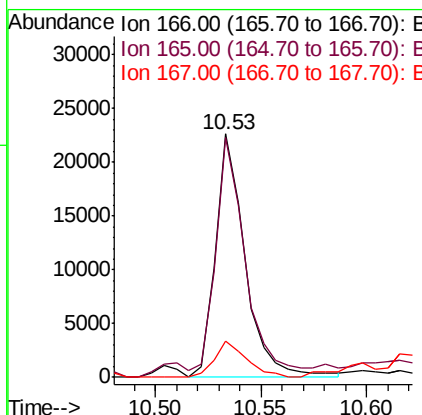
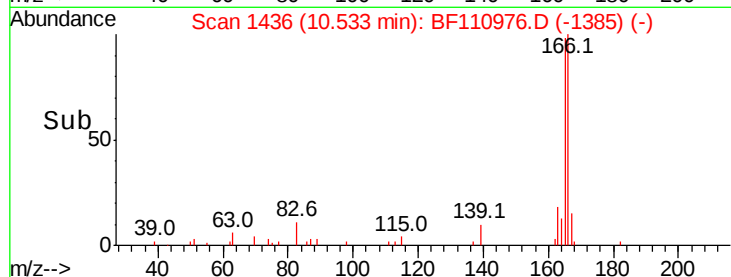
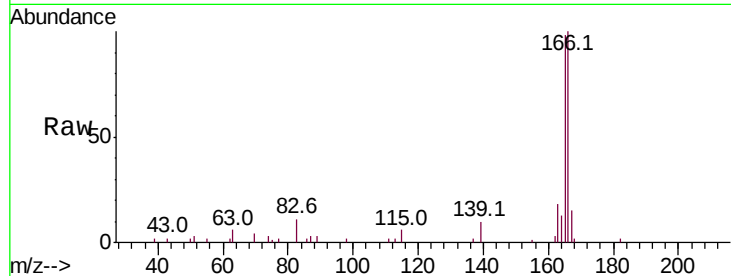
#58
Fluorene
 Concen: 3.921 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.00 min
 Lab File: BF110976.D
 Acq: 26 Nov 2018 21:01

Instrument :
 BNA_F
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 OR-02-112118-A

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.2	78.6	117.8
167	15.0	10.8	16.2

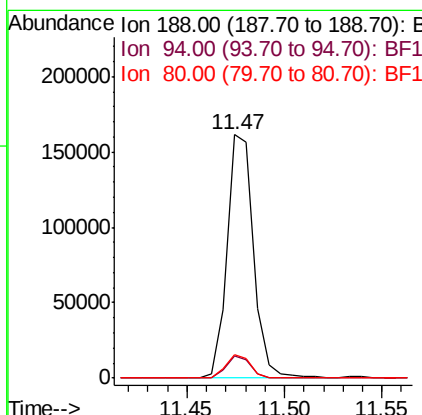
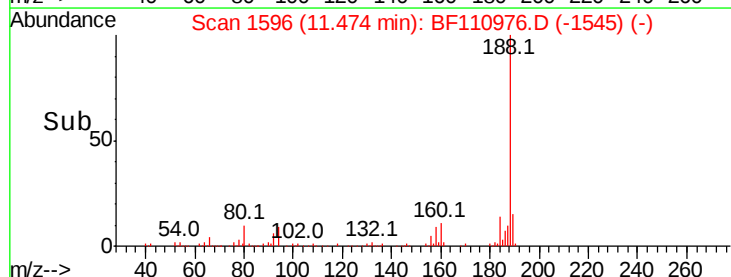
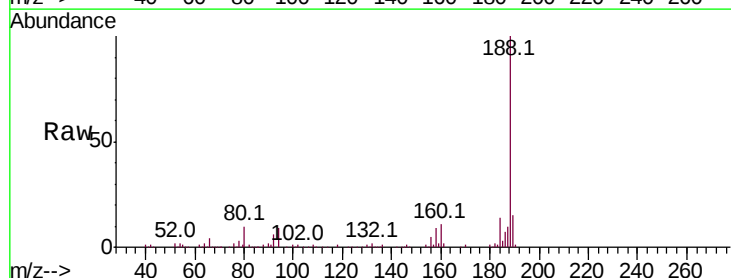
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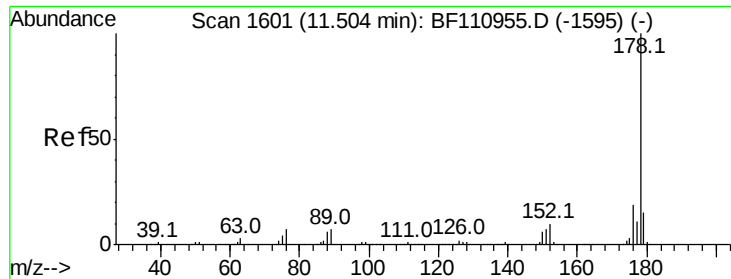
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#64
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: BF110976.D
 Acq: 26 Nov 2018 21:01

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.2	10.8
80	9.8	7.9	11.9





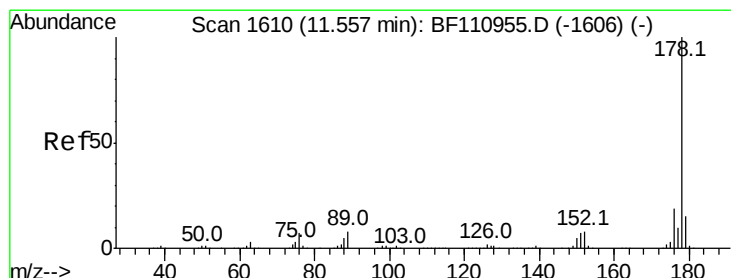
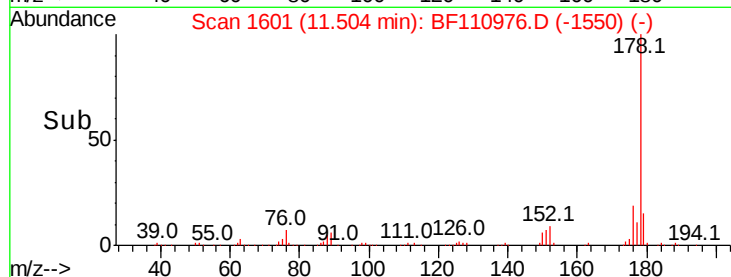
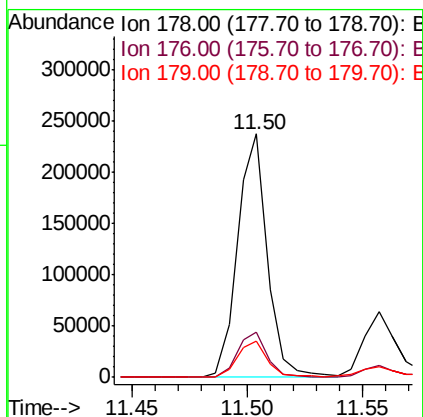
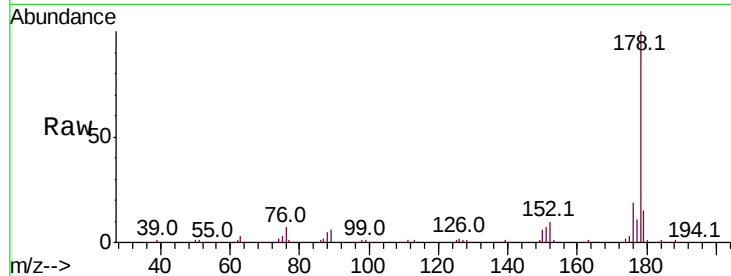
#71
Phenanthrene
Concen: 26.519 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.00 min
Lab File: BF110976.D
Acq: 26 Nov 2018 21:01

Instrument :
BNA_F
ClientSampleId :
OR-02-112118-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.5	23.3
179	14.9	12.5	18.7

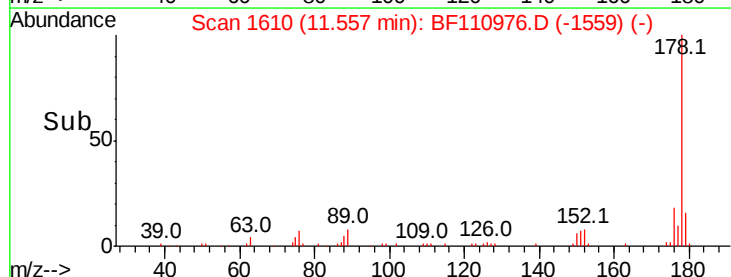
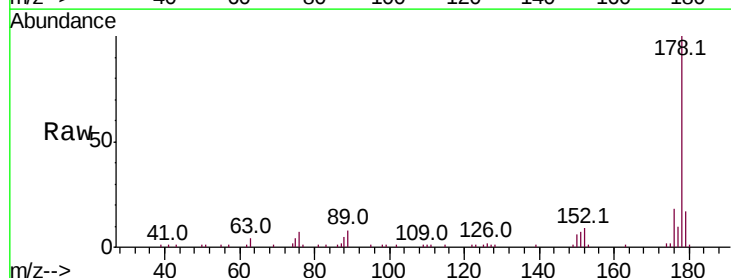
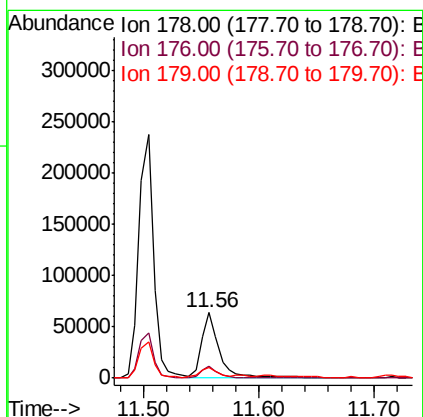
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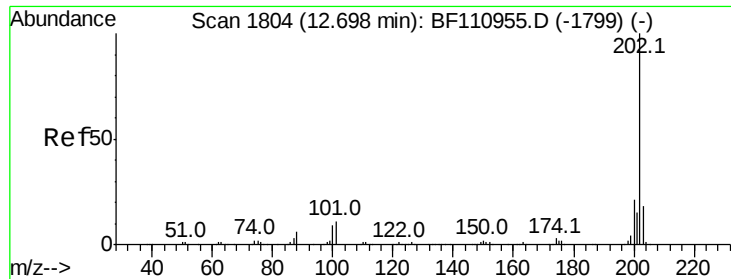
mohammad
11/27/2018 11:47:58 AM



#72
Anthracene
Concen: 8.281 ng
RT: 11.56 min Scan# 1610
Delta R.T. -0.00 min
Lab File: BF110976.D
Acq: 26 Nov 2018 21:01

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.4	23.2
179	16.6	12.6	18.8





#75

Fluoranthene

Concen: 39.688 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.00 min

Lab File: BF110976.D

Acq: 26 Nov 2018 21:01

Instrument :

BNA_F

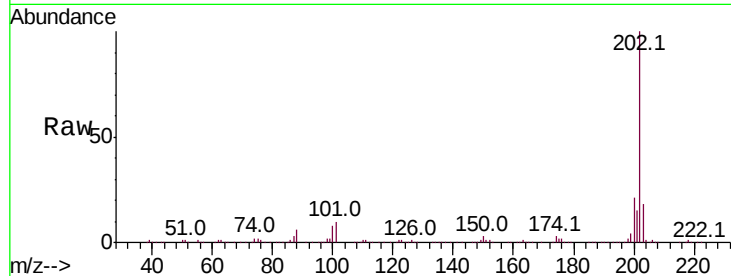
ClientSampleId :

OR-02-112118-A

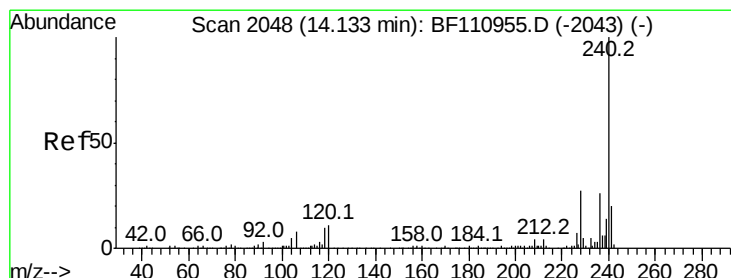
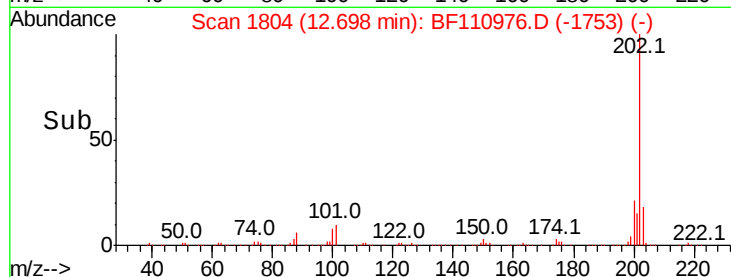
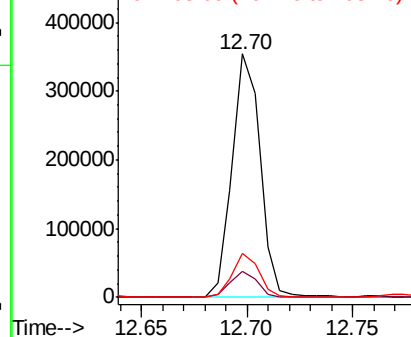
Tot Ion	Ratio	Resp	Lower	Upper
202	100			
101	10.4	0.0	31.4	
203	18.2	0.0	37.7	

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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

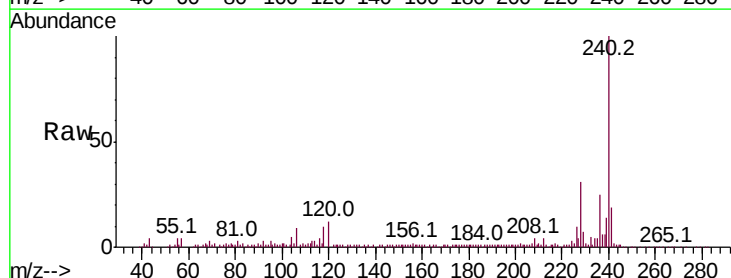
RT: 14.13 min Scan# 2048

Delta R.T. -0.00 min

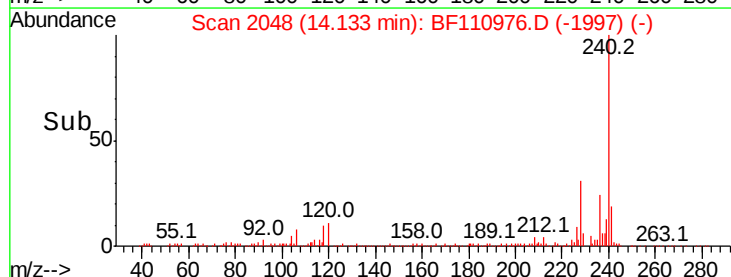
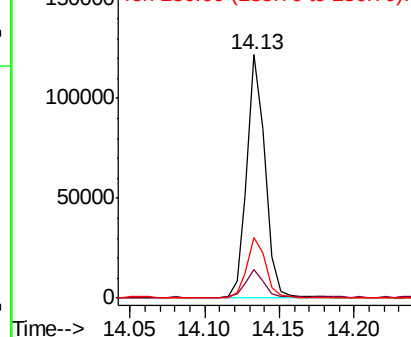
Lab File: BF110976.D

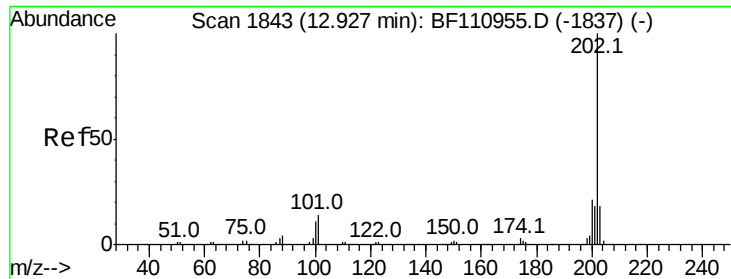
Acq: 26 Nov 2018 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
240	100			
120	11.8	8.3	12.5	
236	24.6	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





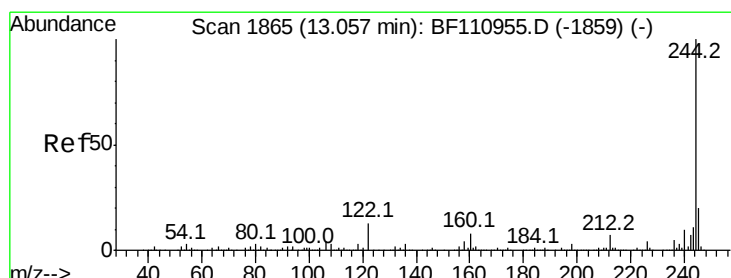
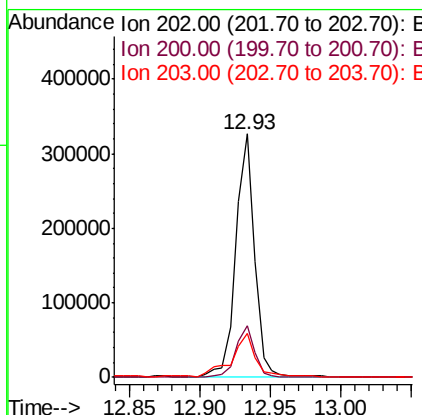
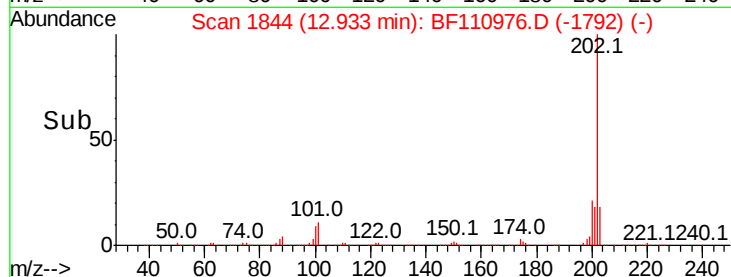
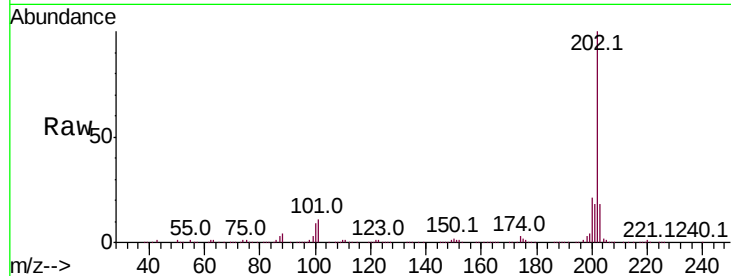
#78
Pvrene
Concen: 39.444 ng
RT: 12.93 min Scan# 1844
Delta R.T. 0.01 min
Lab File: BF110976.D
Acq: 26 Nov 2018 21:01

Instrument :
BNA_F
ClientSampleId :
OR-02-112118-A

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.2	17.8	26.6	
203	18.2	14.2	21.4	

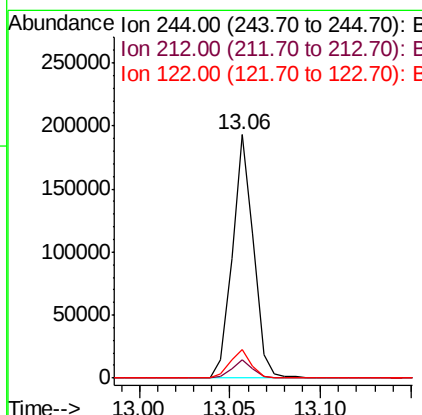
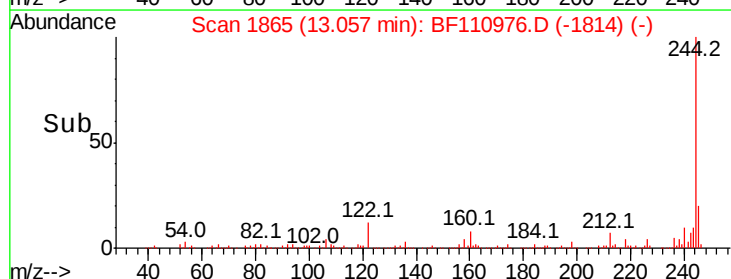
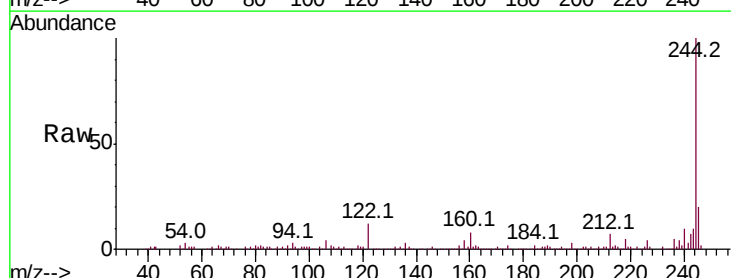
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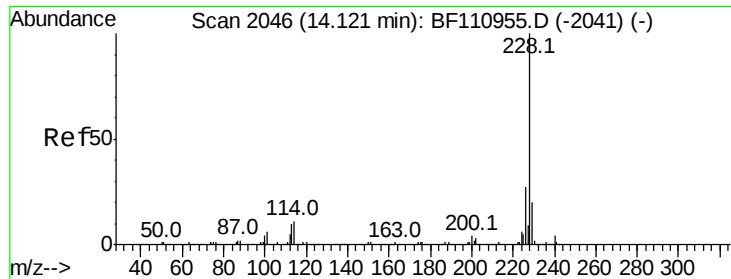
mohammad
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#79
Terphenyl-d14
Concen: 29.087 ng
RT: 13.06 min Scan# 1865
Delta R.T. -0.00 min
Lab File: BF110976.D
Acq: 26 Nov 2018 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.3	5.8	8.8	
122	11.8	8.7	13.1	





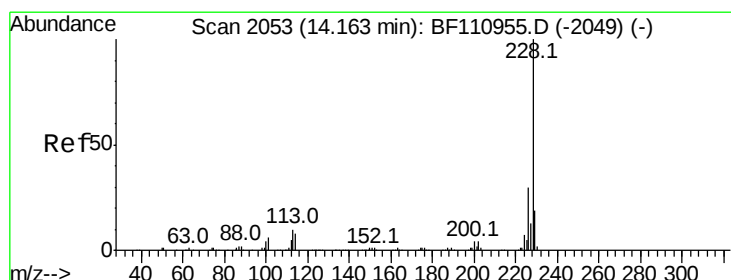
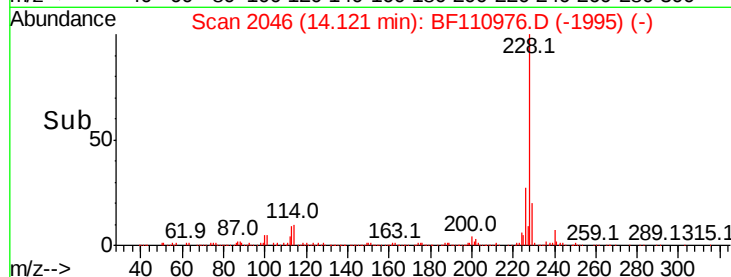
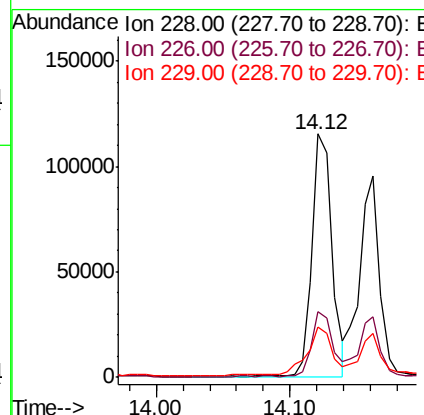
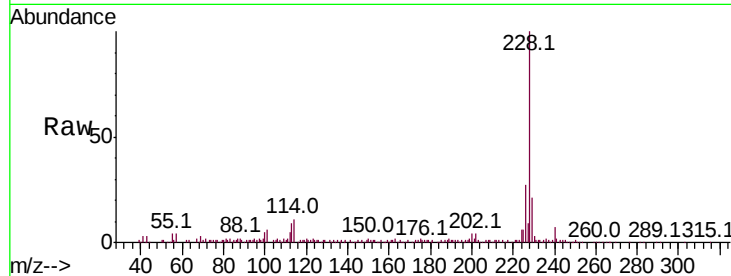
#81
Benzo(a)anthracene
Concen: 19.340 ng
RT: 14.12 min Scan# 2046
Delta R.T. -0.00 min
Lab File: BF110976.D
Acq: 26 Nov 2018 21:01

Instrument :
BNA_F
ClientSampleId :
OR-02-112118-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.1	33.1
229	20.8	15.6	23.4

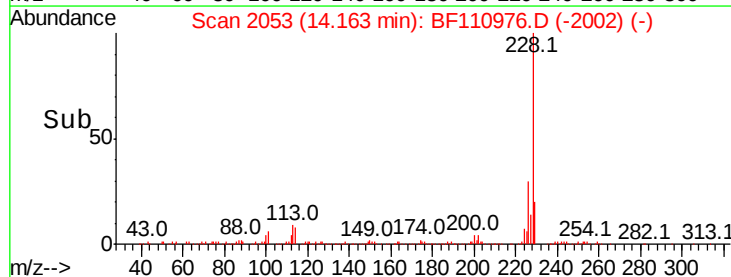
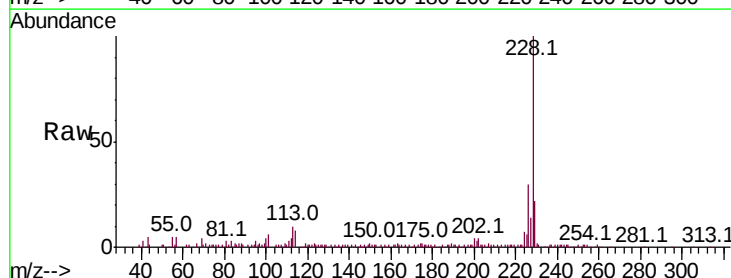
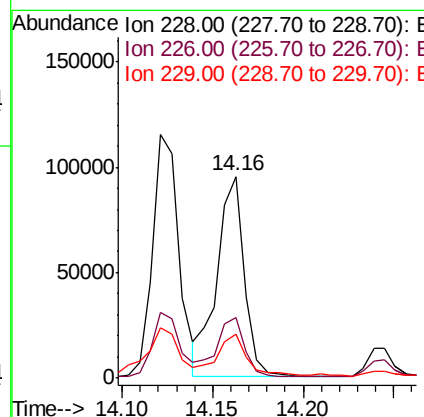
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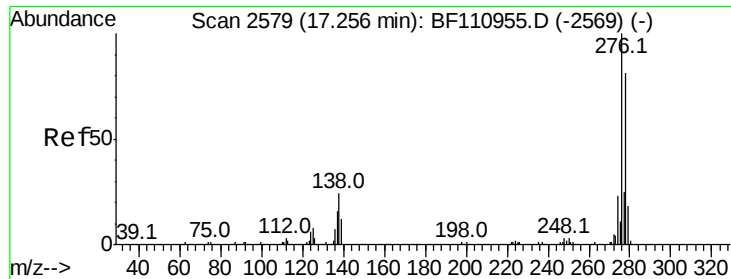
mohammad
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#83
Chrysene
Concen: 16.542 ng
RT: 14.16 min Scan# 2053
Delta R.T. -0.00 min
Lab File: BF110976.D
Acq: 26 Nov 2018 21:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.7	37.1
229	21.6	15.9	23.9





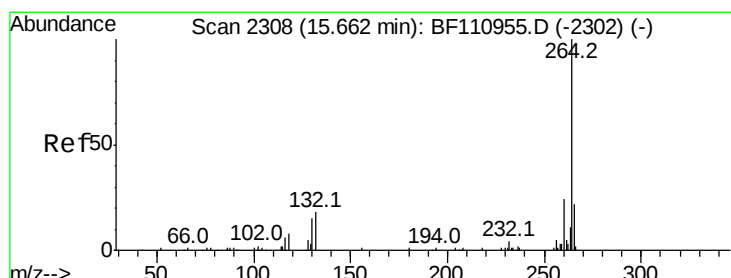
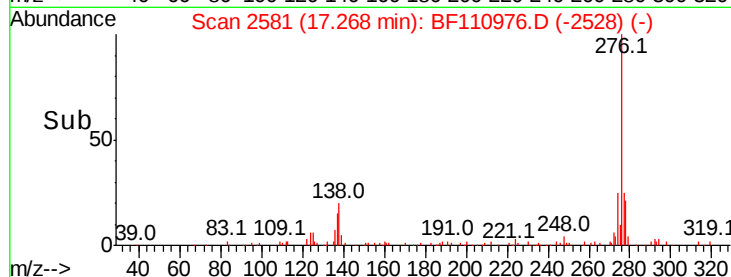
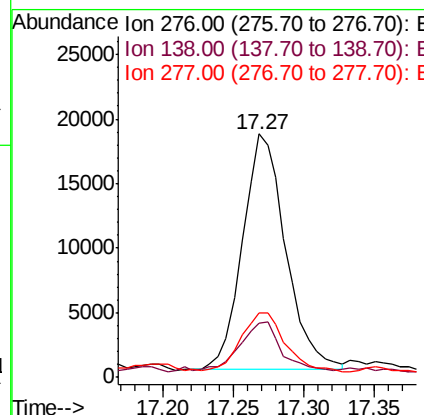
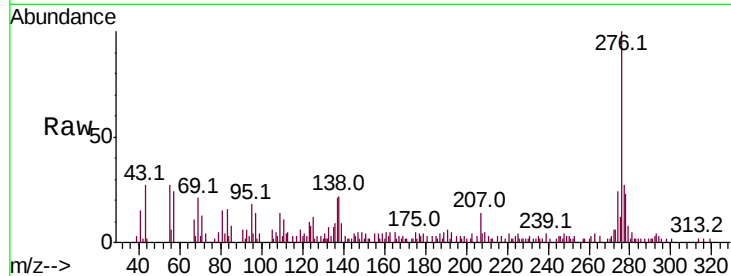
#86
Indeno(1,2,3-cd)pyrene
Concen: 8.927 ng
RT: 17.27 min Scan# 2581
Delta R.T. 0.01 min
Lab File: BF110976.D
Acq: 26 Nov 2018 21:01

Instrument :
BNA_F
ClientSampleId :
OR-02-112118-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.0	18.5	27.7
277	25.6	20.0	30.0

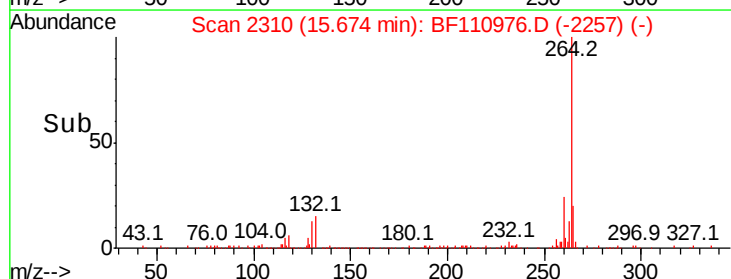
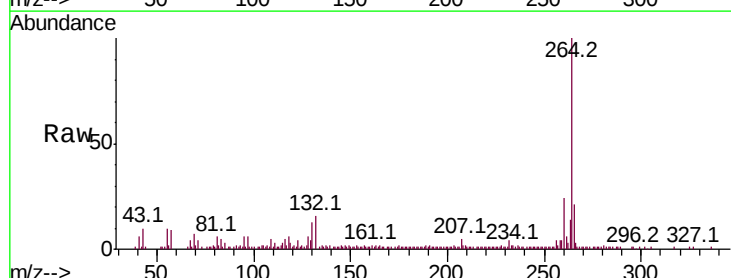
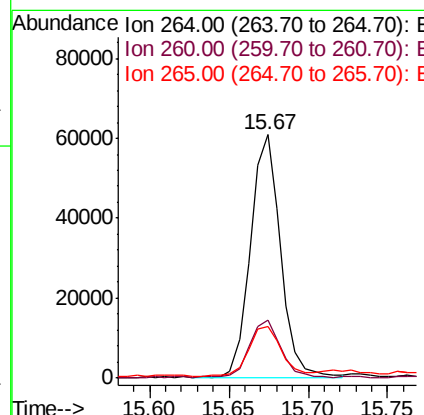
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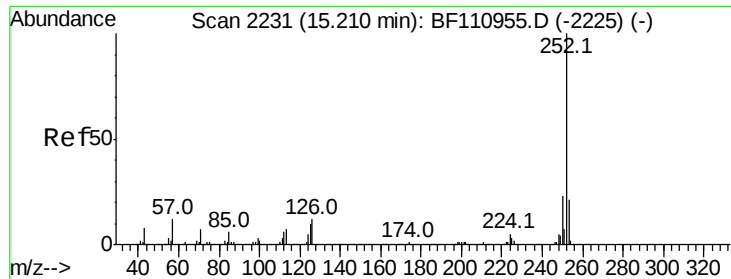
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2310
Delta R.T. 0.01 min
Lab File: BF110976.D
Acq: 26 Nov 2018 21:01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.7	28.1
265	21.0	16.7	25.1





#88

Benzo(b)fluoranthene

Concen: 20.771 ng m

RT: 15.22 min Scan# 2232

Delta R.T. 0.01 min

Lab File: BF110976.D

Acq: 26 Nov 2018 21:01

Instrument :

BNA_F

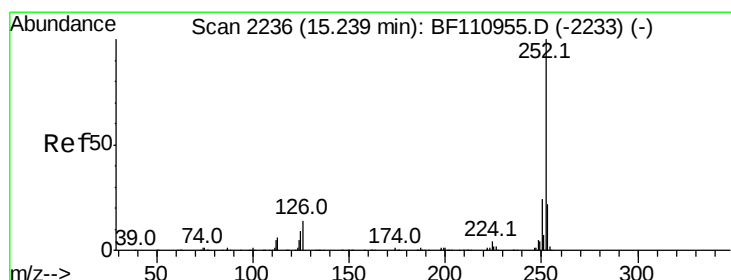
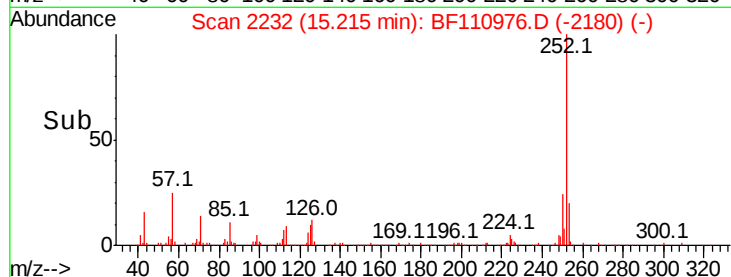
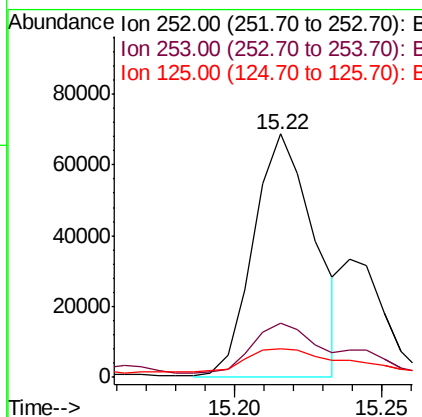
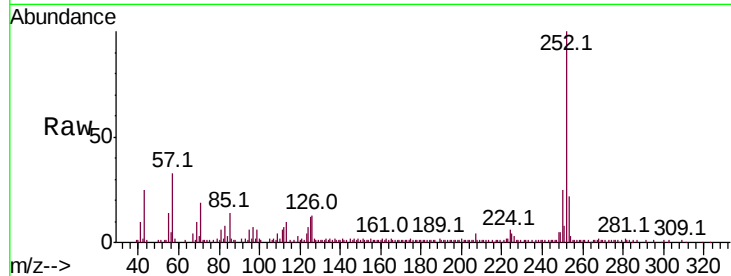
ClientSampleId :

OR-02-112118-A

Tot Ion:	252	Resp:	98579
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.2	25.8
125	11.8	8.2	12.4

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#89

Benzo(k)fluoranthene

Concen: 7.054 ng m

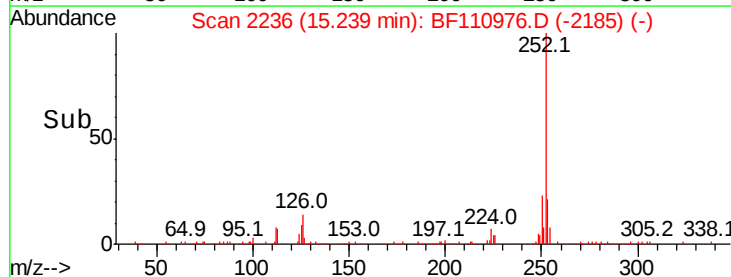
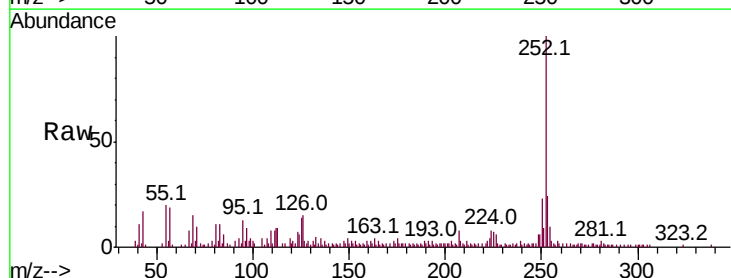
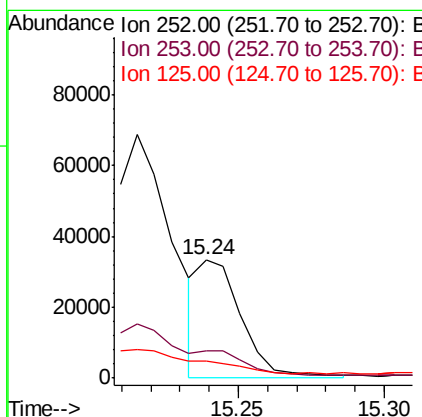
RT: 15.24 min Scan# 2236

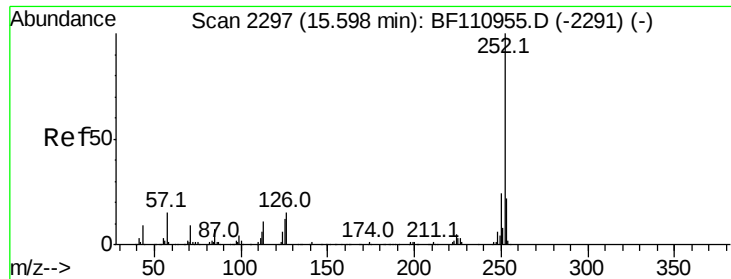
Delta R.T. -0.00 min

Lab File: BF110976.D

Acq: 26 Nov 2018 21:01

Tgt Ion:	252	Resp:	34459
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.2	25.8
125	14.1	7.4	11.0#





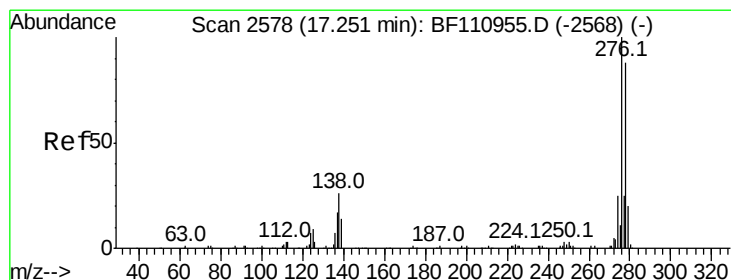
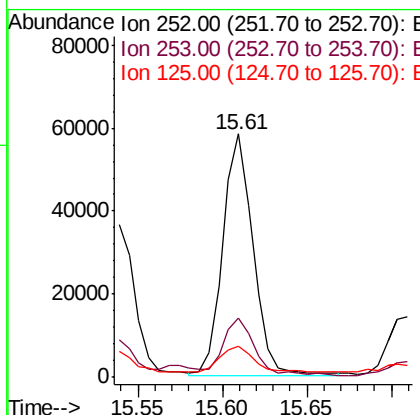
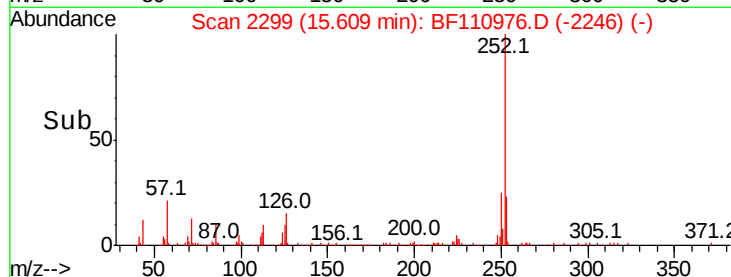
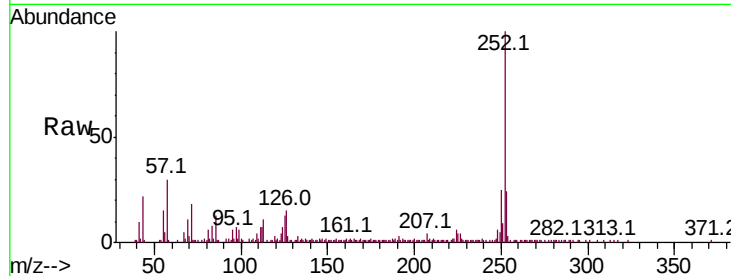
#90
Benzo(a)pyrene
Concen: 16.361 ng
RT: 15.61 min Scan# 2299
Delta R.T. 0.01 min
Lab File: BF110976.D
Acq: 26 Nov 2018 21:01

Instrument :
BNA_F
ClientSampleId :
OR-02-112118-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.2	27.4
125	12.6	9.0	13.6

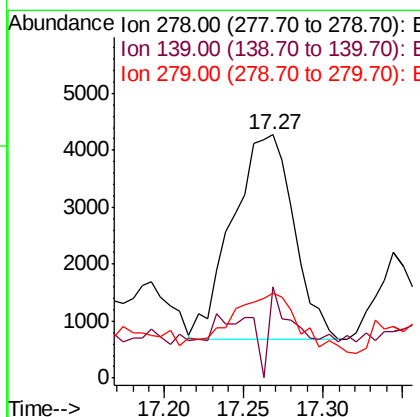
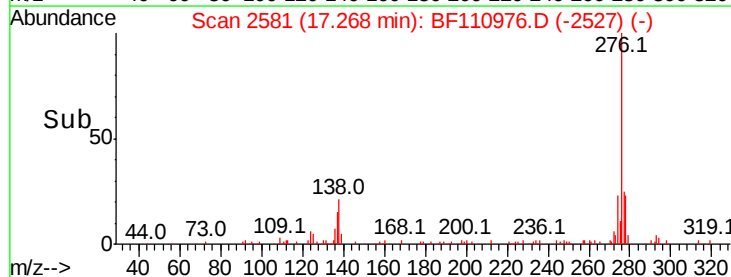
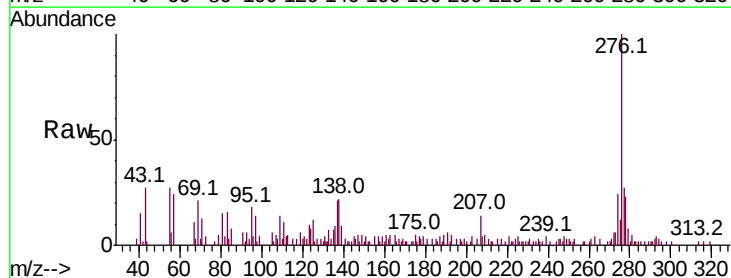
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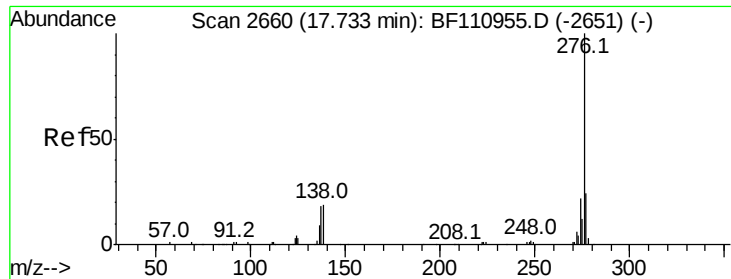
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#91
Dibenzo(a,h)anthracene
Concen: 2.647 ng
RT: 17.27 min Scan# 2581
Delta R.T. 0.02 min
Lab File: BF110976.D
Acq: 26 Nov 2018 21:01

Tgt Ion	Ratio	Lower	Upper
278	100		
139	37.5	12.7	19.1#
279	34.8	19.0	28.4#





#92
 Benzo(a,h,i)perylene
 Concen: 10.898 ng
 RT: 17.76 min Scan# 2665
 Delta R.T. 0.03 min
 Lab File: BF110976.D
 Acq: 26 Nov 2018 21:01

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-112118-A

Tot Ion:	276	Resp:	38300
Ion Ratio	Lower	Upper	
276	100		
277	26.0	18.8	28.2
138	20.8	16.0	24.0

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