

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120618\
 Data File : BF111163.D
 Acq On : 7 Dec 2018 2:44
 Operator : JU/SJ
 Sample : J6195-01 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-120518-A

Manual Integrations
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 12/10/2018 12:19:22 PM

Quant Time: Dec 07 07:51:30 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 05 17:30:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	517604	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	1918060	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	764632	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	1097496	20.00	ng	0.00
76) Chrysene-d12	13.96	240	938858	20.00	ng	0.00
87) Perylene-d12	15.40	264	659821	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1698670	51.21	ng	0.00
7) Phenol-d6	6.43	99	2095572	49.04	ng	0.00
23) Nitrobenzene-d5	7.36	82	1255327	38.75	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	284742	46.85	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1952165	39.58	ng	0.00
79) Terphenyl-d14	12.91	244	1373048	29.95	ng	0.00
Target Compounds						
10) Phenol	6.44	94	134876	2.895	ng	97
50) Dimethylphthalate	9.56	163	194817	3.661	ng	96
52) Acenaphthene	9.87	154	109541	2.439	ng	96
58) Fluorene	10.39	166	171403	3.929	ng	96
71) Phenanthrene	11.35	178	1019341	19.309	ng	96
72) Anthracene	11.40	178	322720	6.065	ng	93
75) Fluoranthene	12.53	202	1371963	26.559	ng	97
78) Pyrene	12.76	202	1302550	17.808	ng	95
81) Benzo(a)anthracene	13.95	228	623413	11.333	ng	98
83) Chrysene	13.99	228	583670	10.688	ng	95
86) Indeno(1,2,3-cd)pyrene	16.81	276	197933	4.514	ng	# 90
88) Benzo(b)fluoranthene	14.99	252	571135m	15.276	ng	
89) Benzo(k)fluoranthene	15.01	252	138797m	3.840	ng	
90) Benzo(a)pyrene	15.34	252	381345	11.120	ng	95
92) Benzo(a,h,i)perylene	17.23	276	194876	6.738	ng	99

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

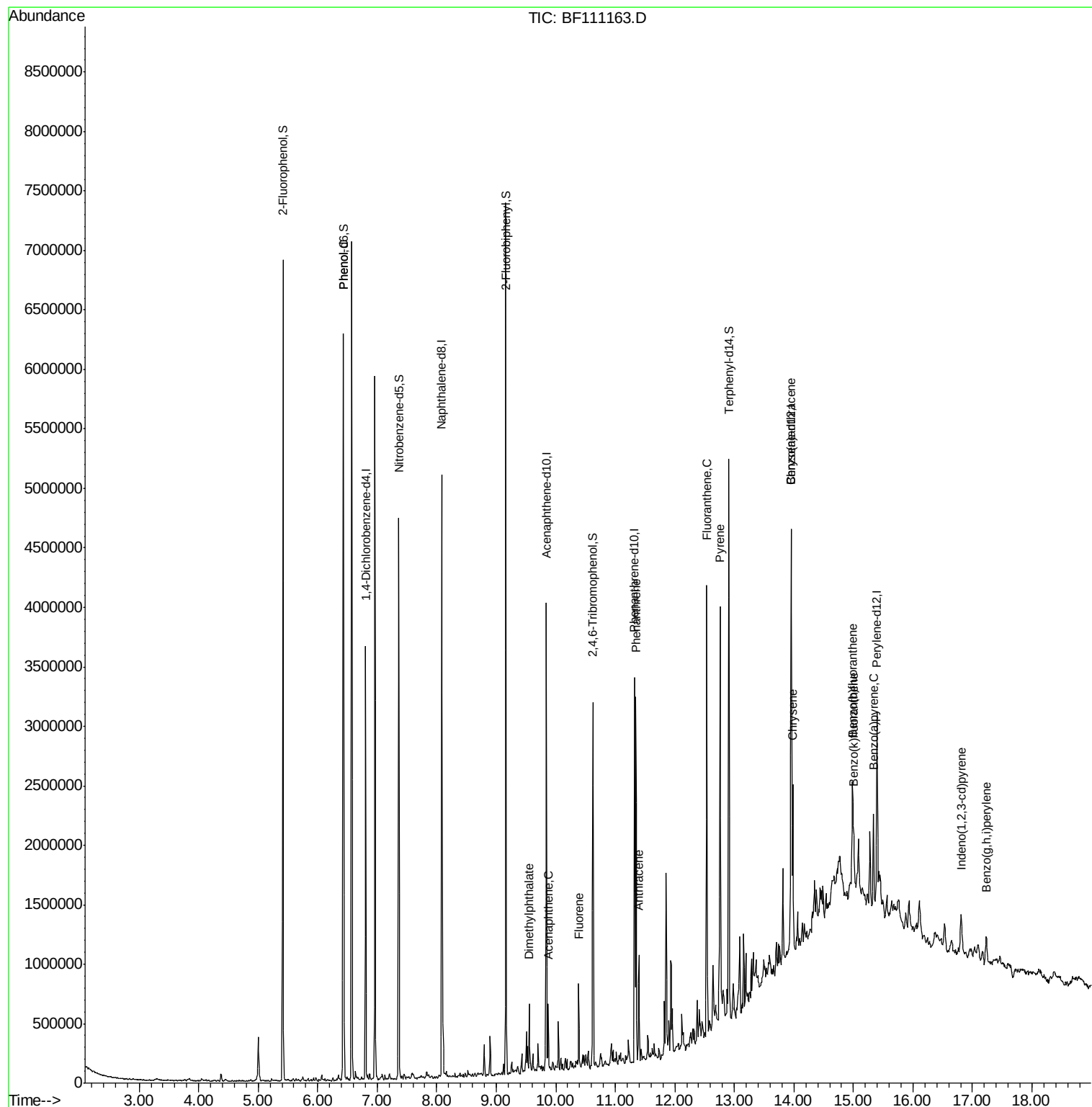
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120618\
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ALS Vial : 24 Sample Multiplier: 1

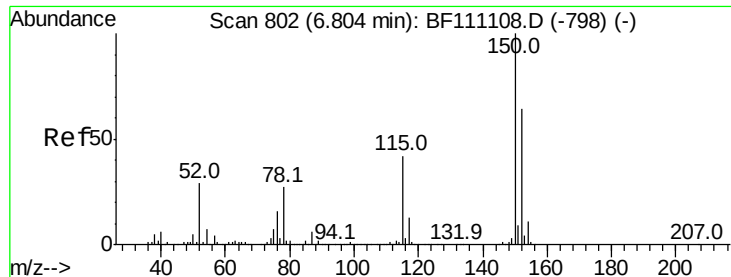
Instrument :
BNA_F
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OR-01-120518-A

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#1

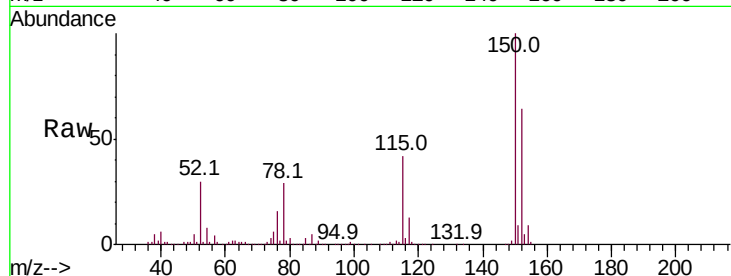
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF111163.D
Acq: 7 Dec 2018 2:44

Instrument :
BNA_F
ClientSampleId :
OR-01-120518-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	124.6	187.0
115	65.7	52.2	78.2

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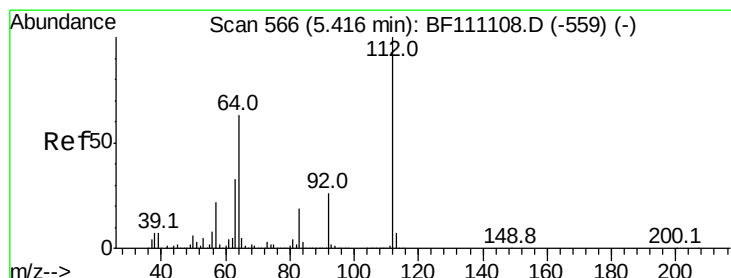
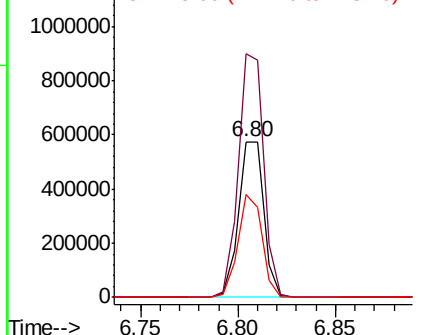
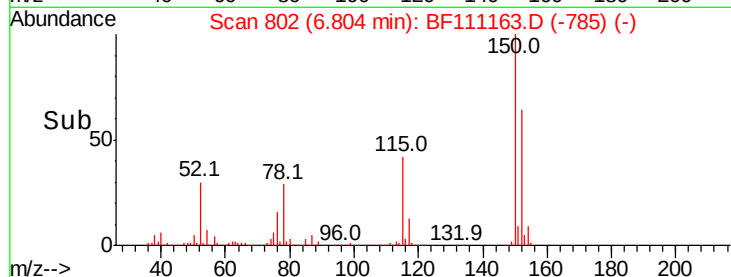


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

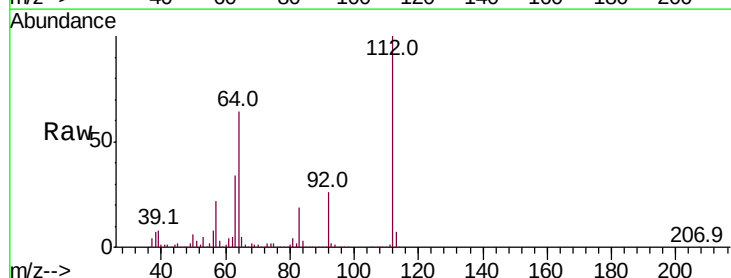
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 51.211 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF111163.D
Acq: 7 Dec 2018 2:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.7	50.2	75.4
63	33.6	26.6	39.8

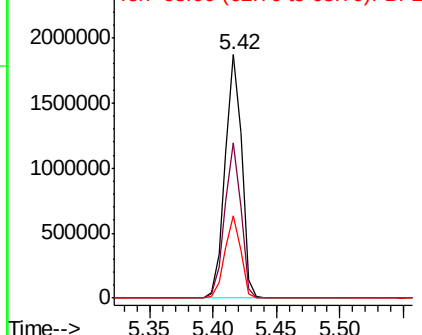
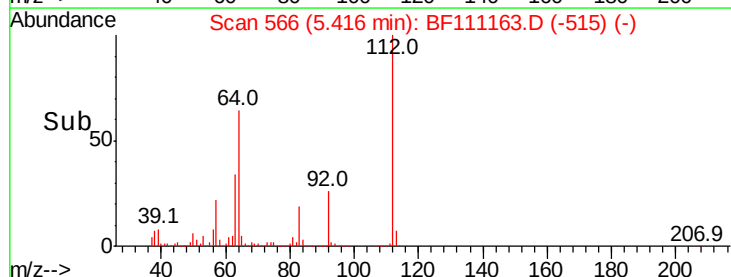


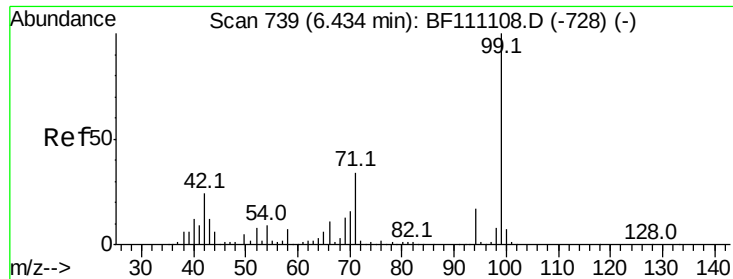
Abundance

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: 49.044 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF111163.D

Acq: 7 Dec 2018 2:44

Instrument :

BNA_F

ClientSampleId :

OR-01-120518-A

Tot Ion: 99 Resp: 2095572

Ion Ratio Lower Upper

99 100

42 21.7 19.3 28.9

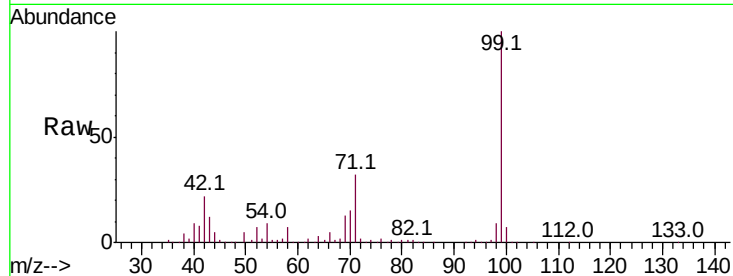
71 32.3 27.4 41.2

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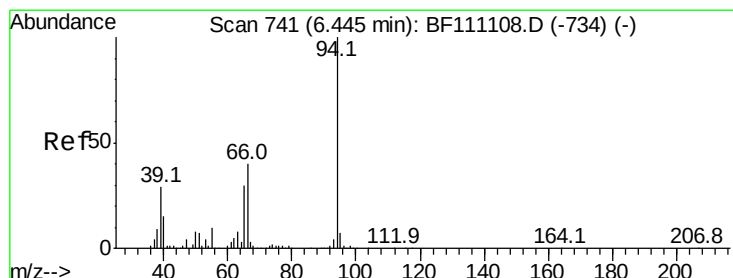
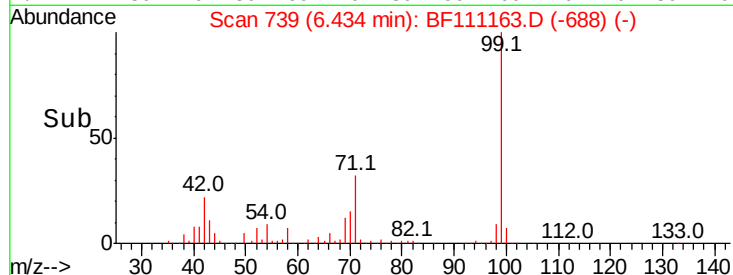
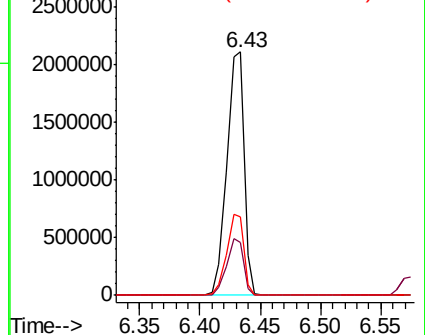
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.895 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF111163.D

Acq: 7 Dec 2018 2:44

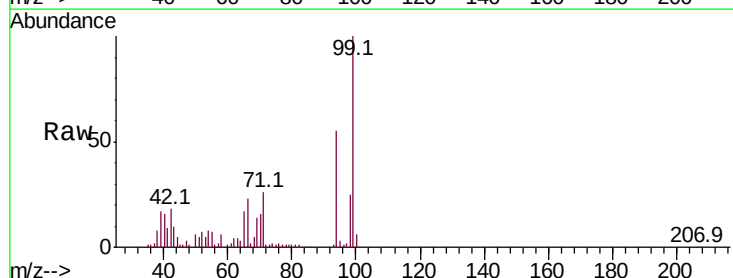
Tgt Ion: 94 Resp: 134876

Ion Ratio Lower Upper

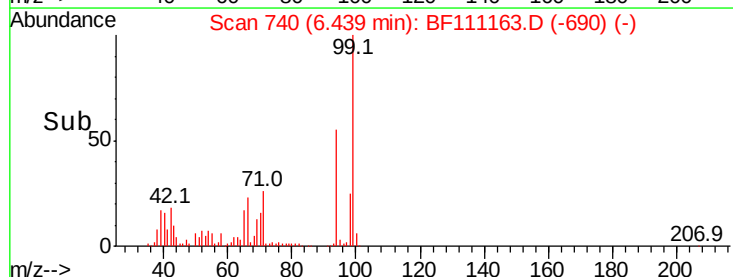
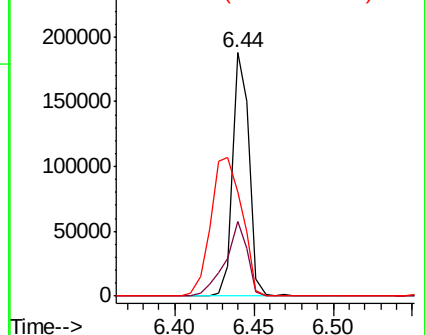
94 100

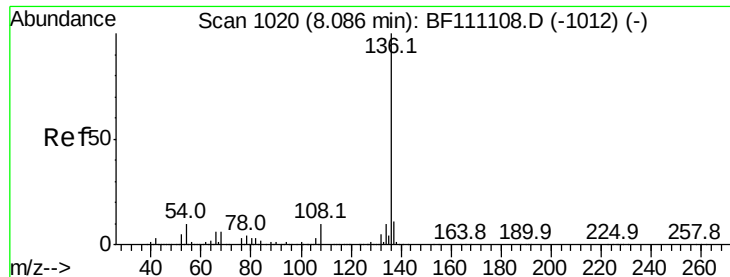
65 30.6 10.5 50.5

66 42.9 19.8 59.8



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





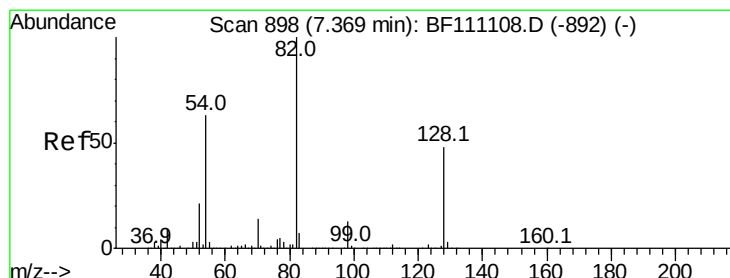
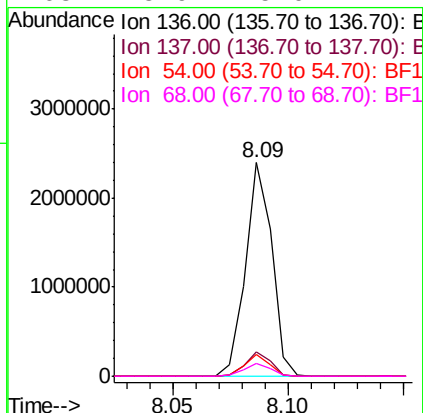
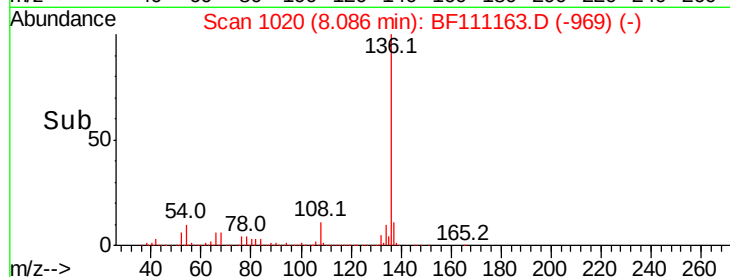
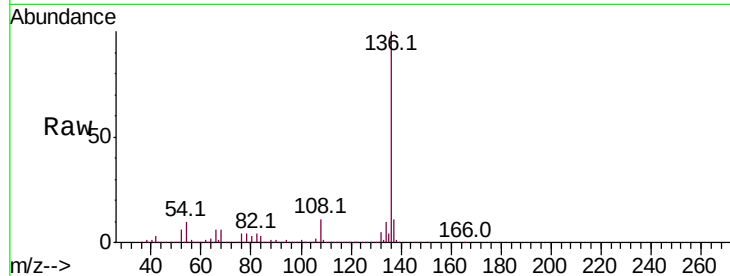
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF111163.D
Acq: 7 Dec 2018 2:44

Instrument :
BNA_F
ClientSampleId :
OR-01-120518-A

Tot Ion	136	Resp	1918060
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.6
54	10.3	8.4	12.6
68	5.9	5.0	7.4

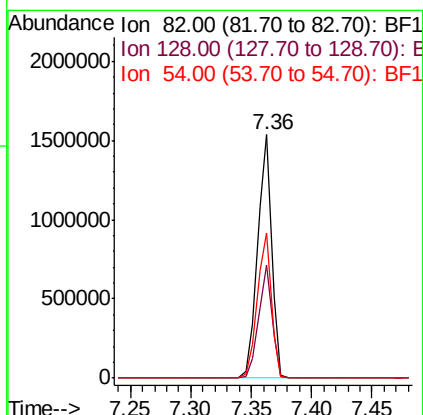
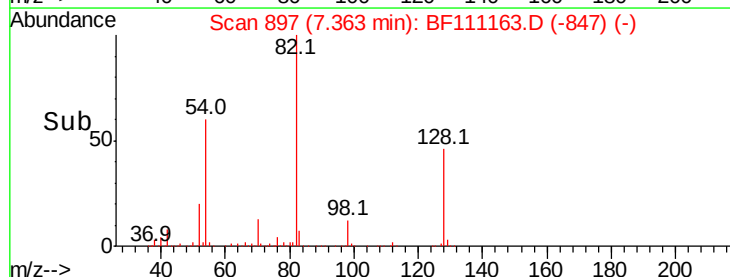
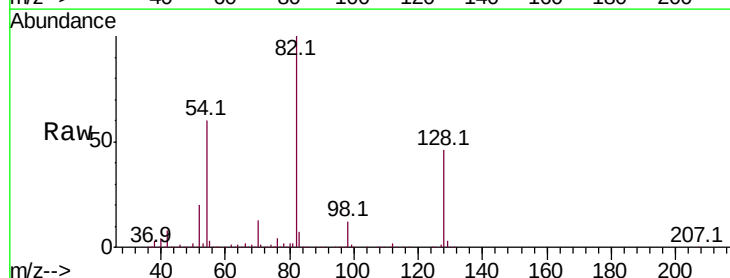
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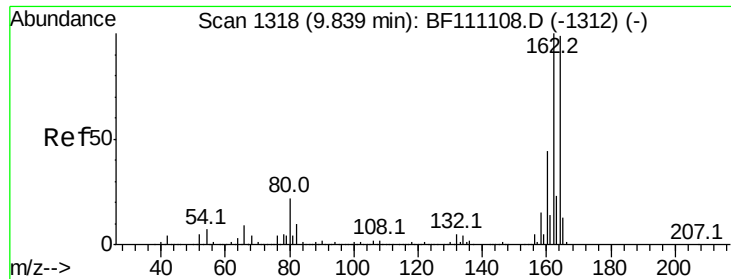
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#23
Nitrobenzene-d5
Concen: 38.747 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF111163.D
Acq: 7 Dec 2018 2:44

Tgt Ion	82	Resp	1255327
Ion	Ratio	Lower	Upper
82	100		
128	46.2	38.1	57.1
54	59.8	50.3	75.5





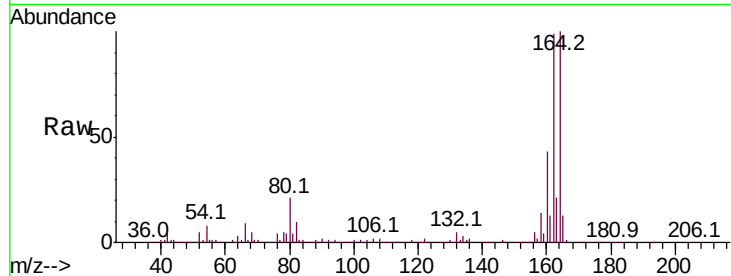
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BF111163.D
Acq: 7 Dec 2018 2:44

Instrument :
BNA_F
ClientSampleId :
OR-01-120518-A

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	98.8	80.6	120.8	
160	42.9	35.5	53.3	

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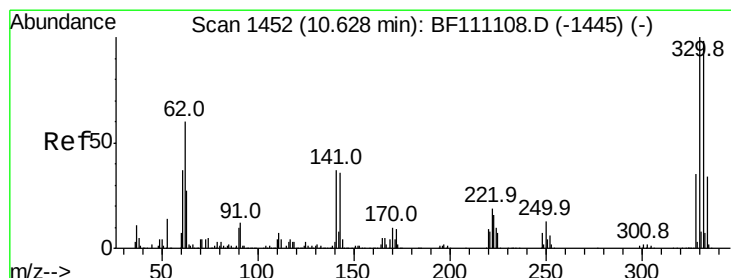
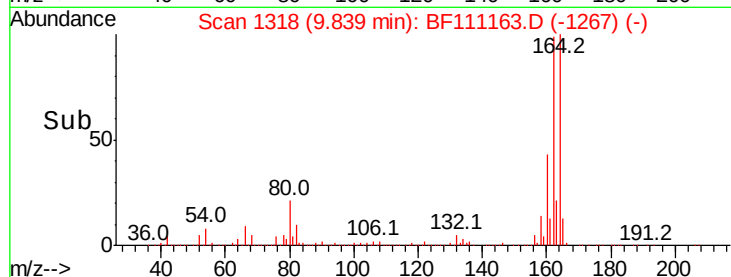
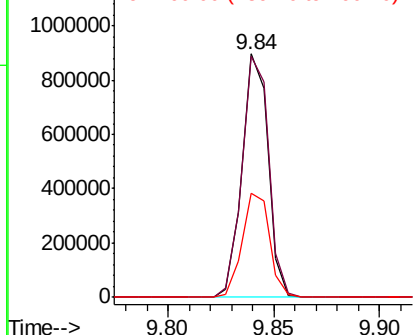


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 46.848 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.00 min
Lab File: BF111163.D
Acq: 7 Dec 2018 2:44

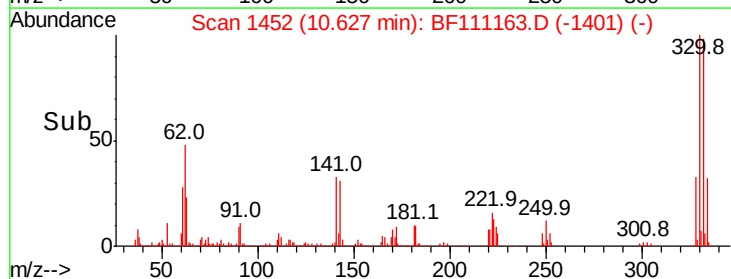
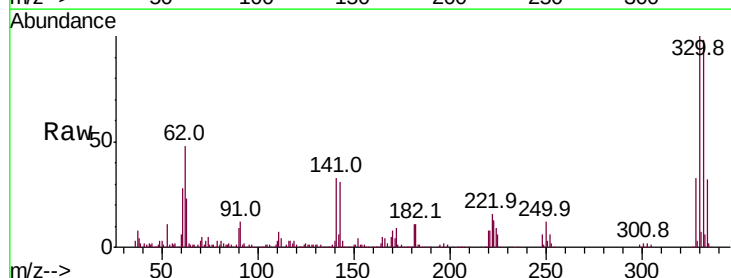
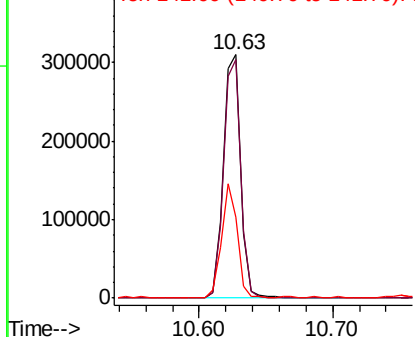
Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.5	77.2	115.8	
141	43.3	36.1	54.1	

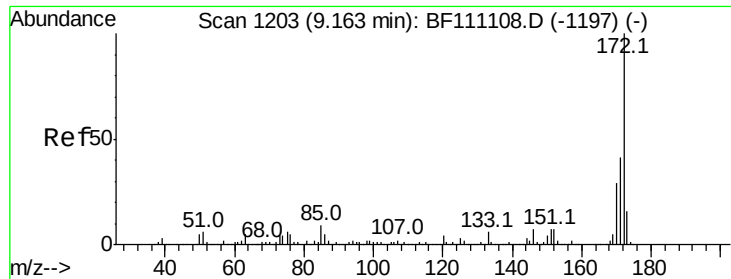
Abundance

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





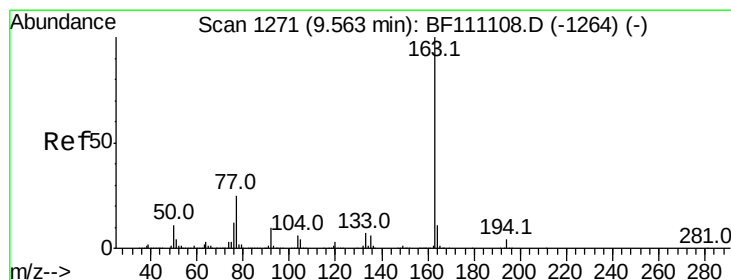
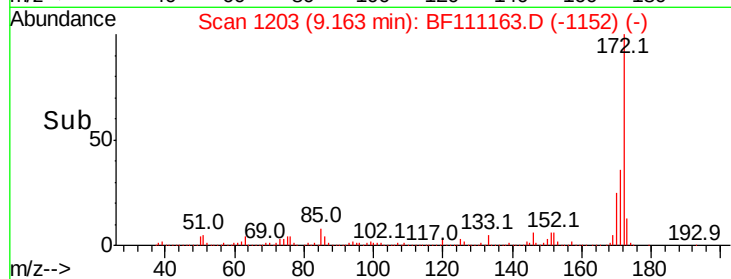
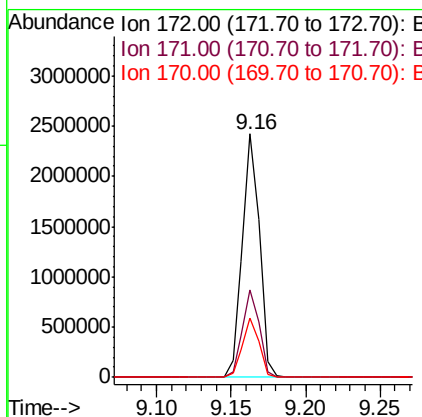
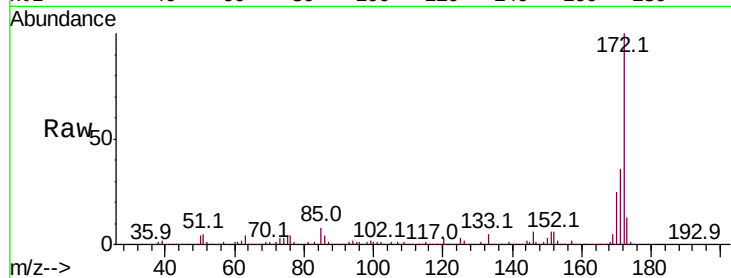
#45
2-Fluorobiphenyl
Concen: 39.578 ng
RT: 9.16 min Scan# 1203
Delta R.T. 0.00 min
Lab File: BF111163.D
Acq: 7 Dec 2018 2:44

Instrument :
BNA_F
ClientSampleId :
OR-01-120518-A

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	33.2	49.8
170	24.5	22.9	34.3

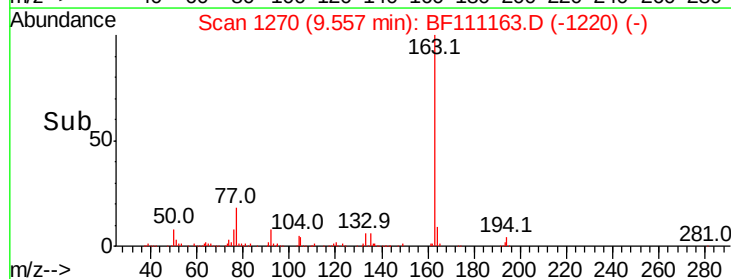
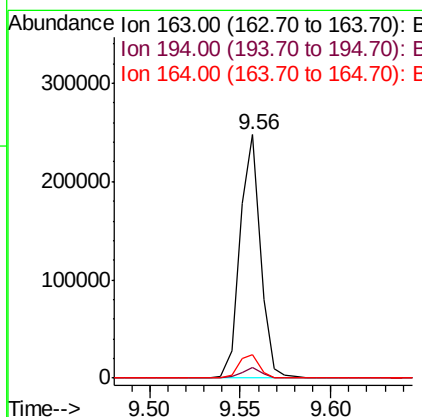
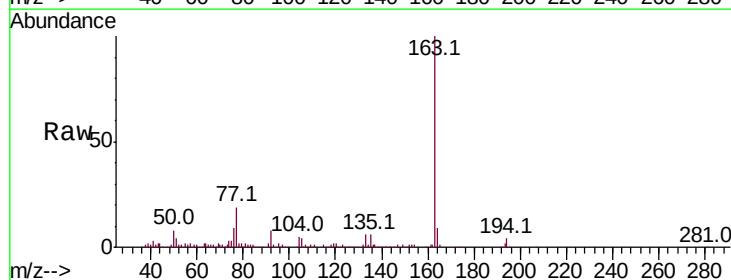
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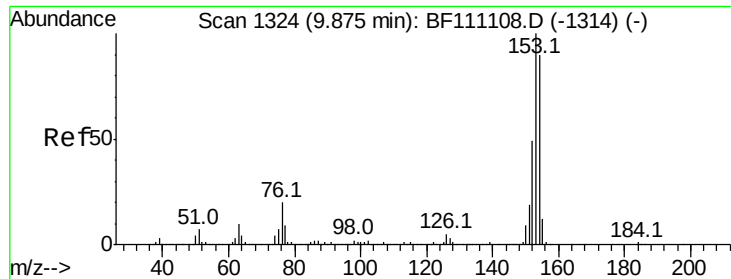
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#50
Dimethylphthalate
Concen: 3.661 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF111163.D
Acq: 7 Dec 2018 2:44

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.0	4.4
164	9.5	8.9	13.3





#52

Acenaphthene

Concen: 2.439 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.00 min

Lab File: BF111163.D

Acq: 7 Dec 2018 2:44

Instrument :

BNA_F

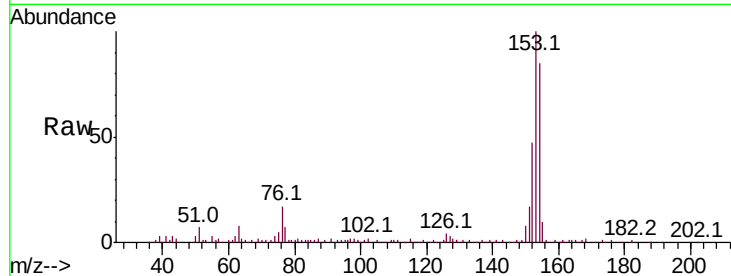
ClientSampleId :

OR-01-120518-A

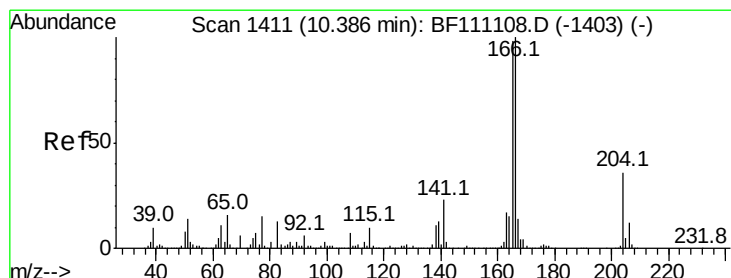
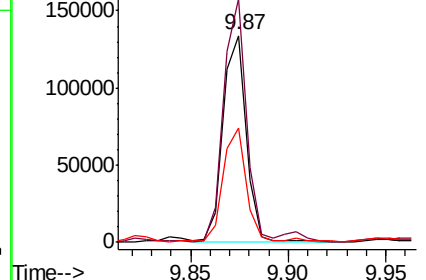
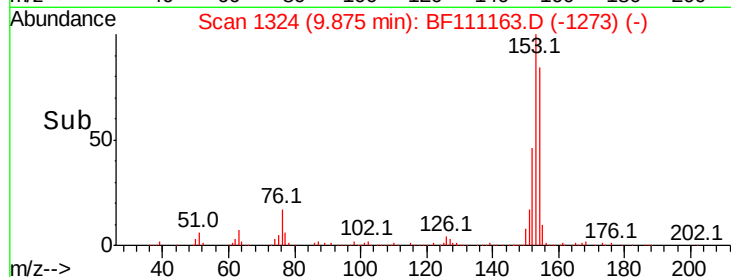
Tot Ion:	154	Resp:	109541
Ion Ratio	Lower	Upper	
154	100		
153	117.6	88.7	133.1
152	55.3	43.8	65.8

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#58

Fluorene

Concen: 3.929 ng

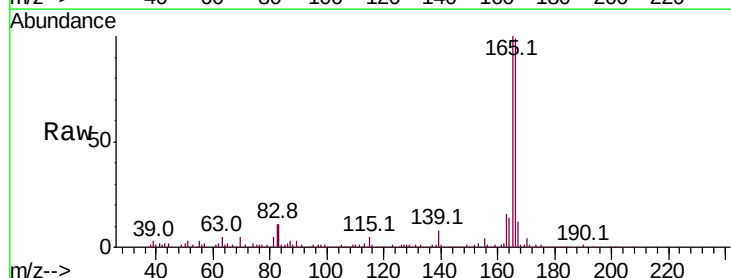
RT: 10.39 min Scan# 1411

Delta R.T. -0.00 min

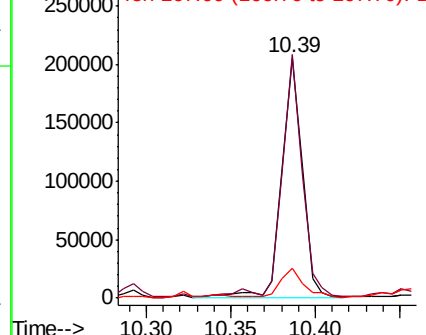
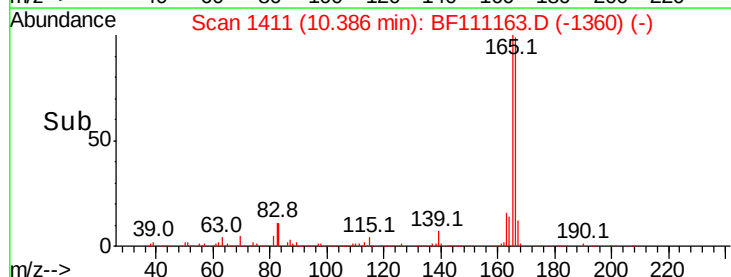
Lab File: BF111163.D

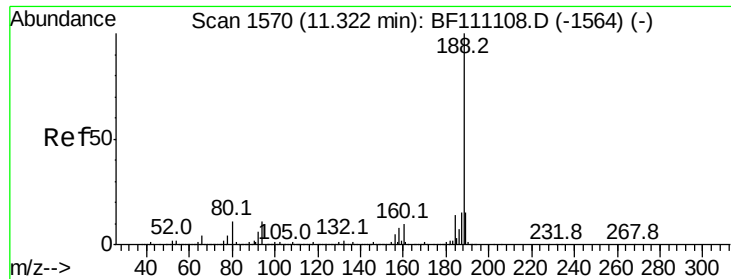
Acq: 7 Dec 2018 2:44

Tgt Ion:	166	Resp:	171403
Ion Ratio	Lower	Upper	
166	100		
165	101.4	78.4	117.6
167	12.7	11.4	17.2



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.00 min

Lab File: BF111163.D

Acq: 7 Dec 2018 2:44

Instrument :

BNA_F

ClientSampleId :

OR-01-120518-A

Tot Ion:188 Resp: 1097496

Ion Ratio Lower Upper

188 100

94 11.4 8.5 12.7

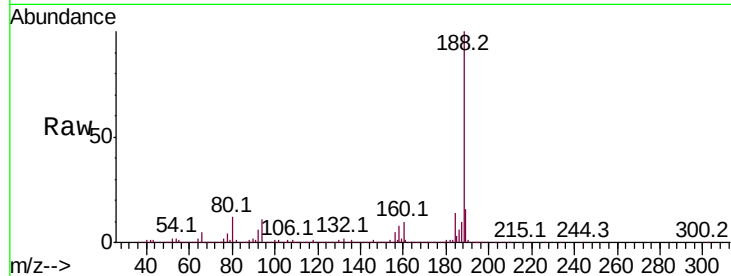
80 12.3 9.0 13.6

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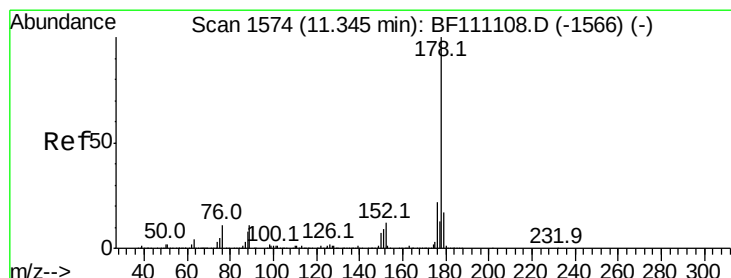
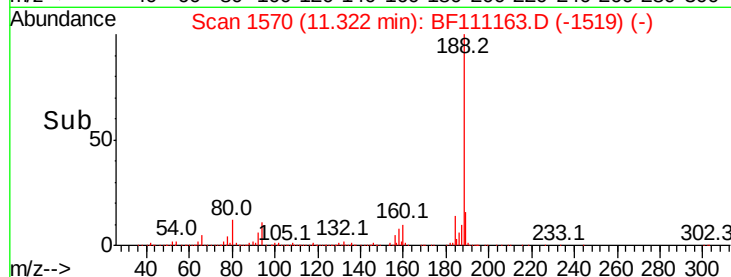
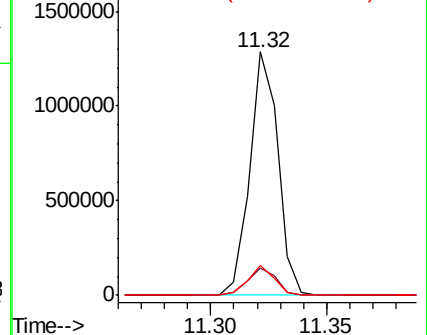
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 19.309 ng

RT: 11.35 min Scan# 1574

Delta R.T. -0.00 min

Lab File: BF111163.D

Acq: 7 Dec 2018 2:44

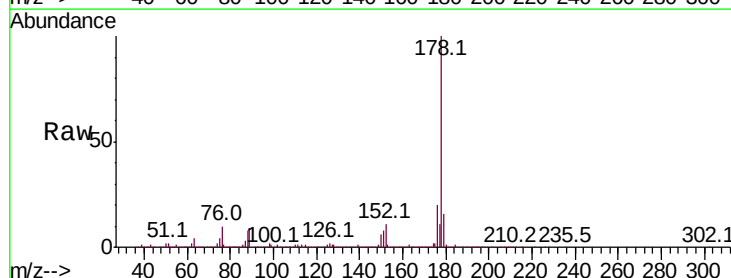
Tgt Ion:178 Resp: 1019341

Ion Ratio Lower Upper

178 100

176 19.7 17.7 26.5

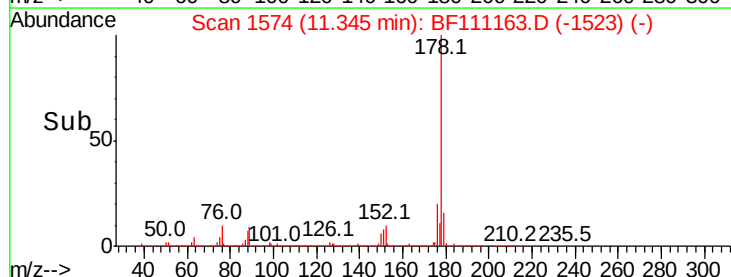
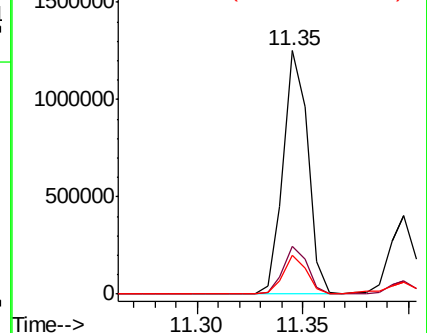
179 15.9 14.0 21.0

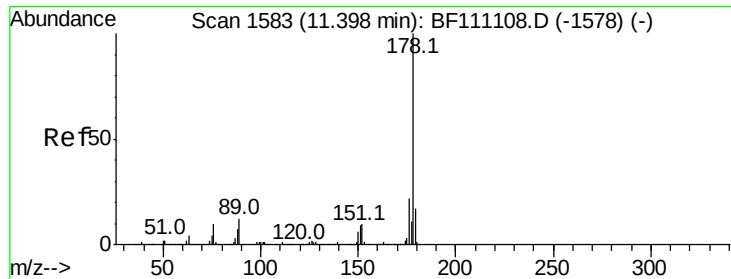


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





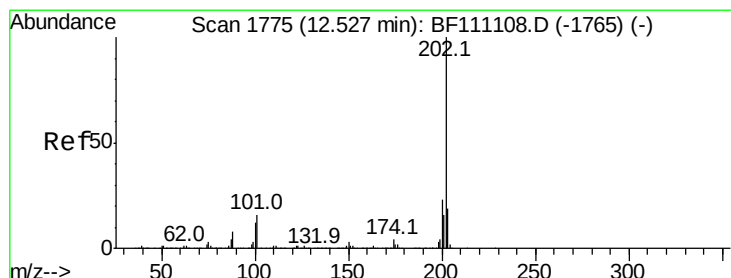
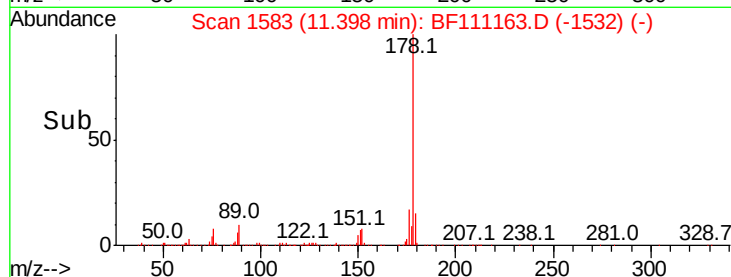
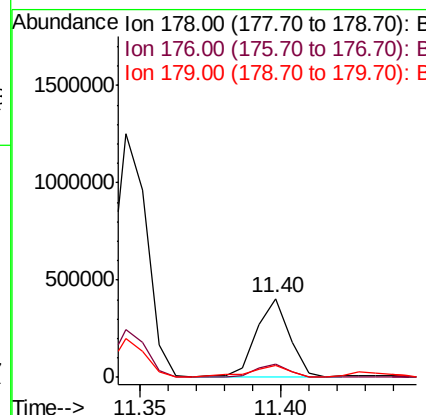
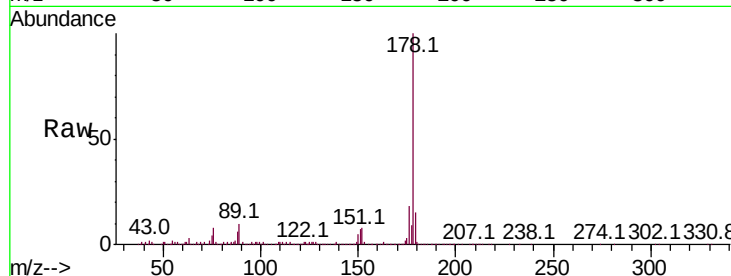
#72
 Anthracene
 Concen: 6.065 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: BF111163.D
 Acq: 7 Dec 2018 2:44

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-120518-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.6	17.3	25.9
179	15.2	13.8	20.8

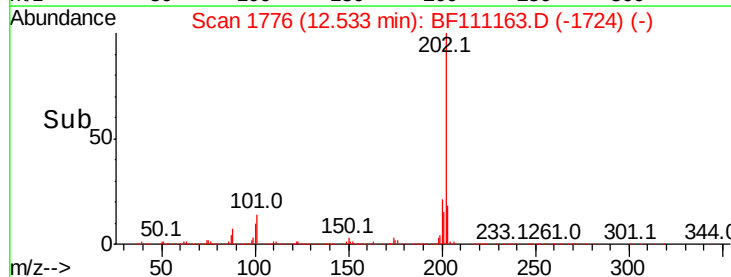
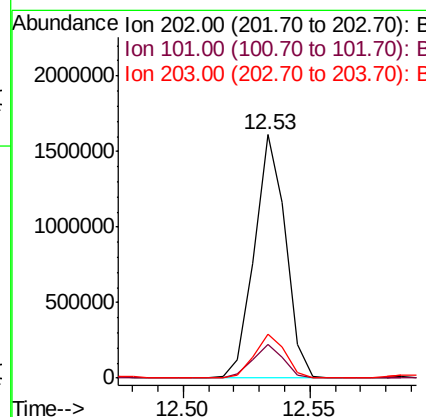
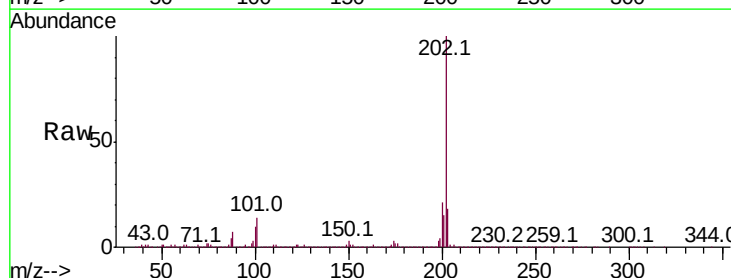
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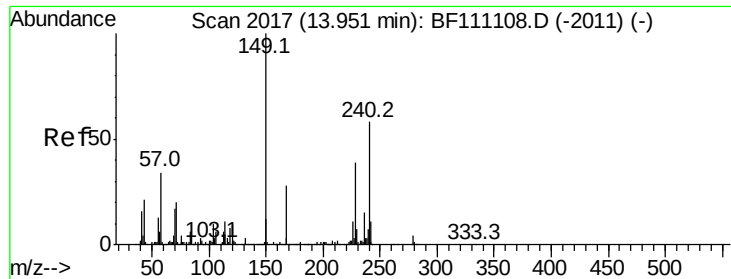
mohammad
 12/10/2018 12:19:22 PM



#75
 Fluoranthene
 Concen: 26.559 ng
 RT: 12.53 min Scan# 1776
 Delta R.T. 0.01 min
 Lab File: BF111163.D
 Acq: 7 Dec 2018 2:44

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.8	0.0	35.8
203	17.8	0.0	38.6





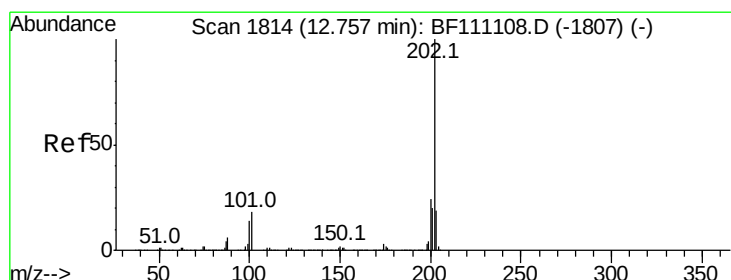
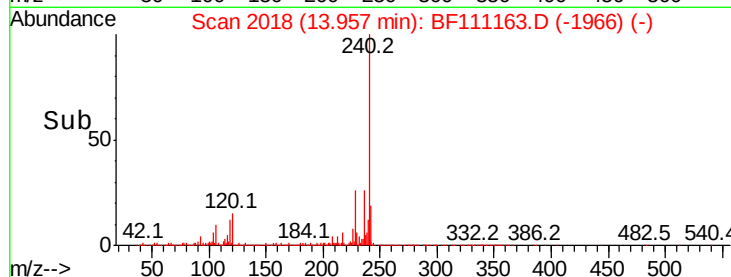
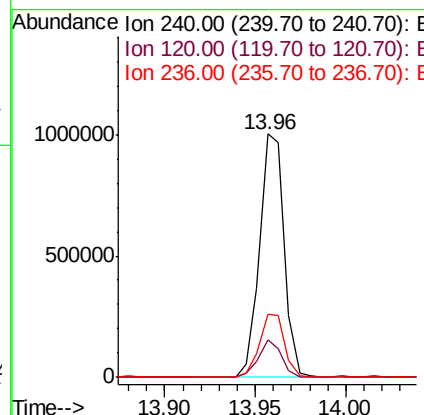
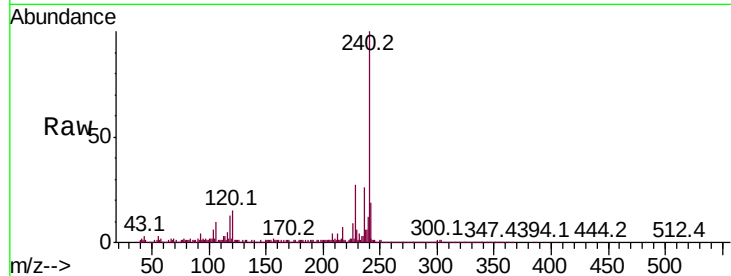
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2018
Delta R.T. 0.01 min
Lab File: BF111163.D
Acq: 7 Dec 2018 2:44

Instrument :
BNA_F
ClientSampleId :
OR-01-120518-A

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.3	12.8	19.2
236	26.1	21.1	31.7

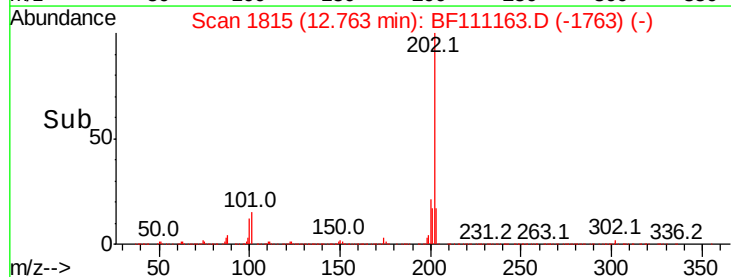
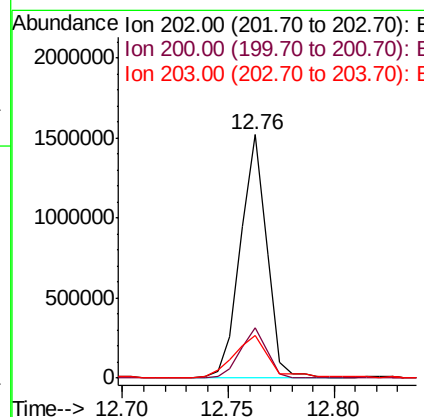
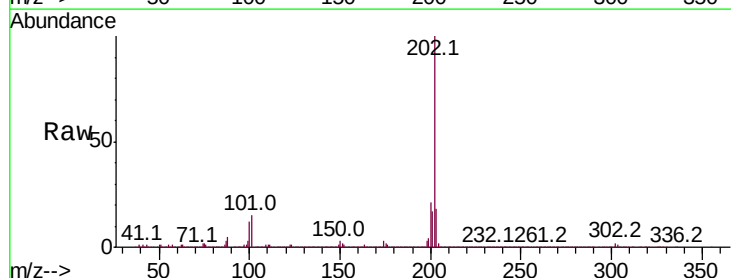
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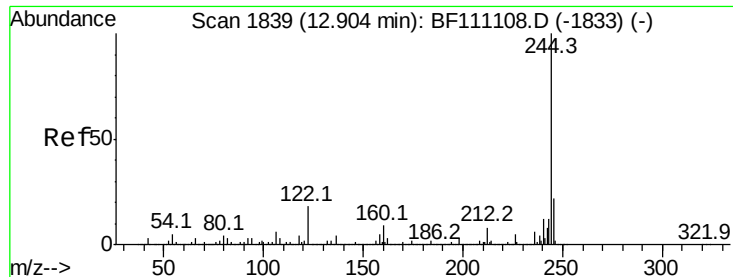
mohammad
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#78
Pyrene
Concen: 17.808 ng
RT: 12.76 min Scan# 1815
Delta R.T. 0.01 min
Lab File: BF111163.D
Acq: 7 Dec 2018 2:44

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	19.3	28.9
203	17.7	15.4	23.2





#79

Terphenyl-d14

Concen: 29.951 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.01 min

Lab File: BF111163.D

Acq: 7 Dec 2018 2:44

Instrument :

BNA_F

ClientSampleId :

OR-01-120518-A

Tot Ion:244 Resp: 1373048

Ion Ratio Lower Upper

244 100

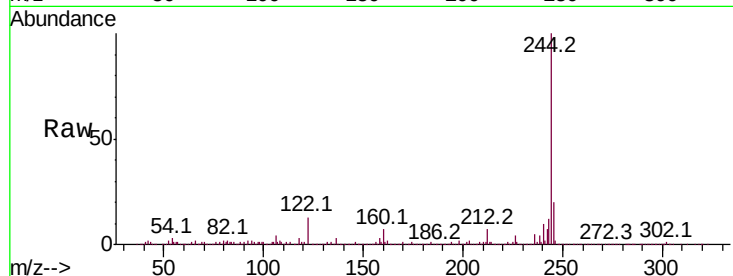
212 7.0 6.6 9.8

122 12.8 14.2 21.2#

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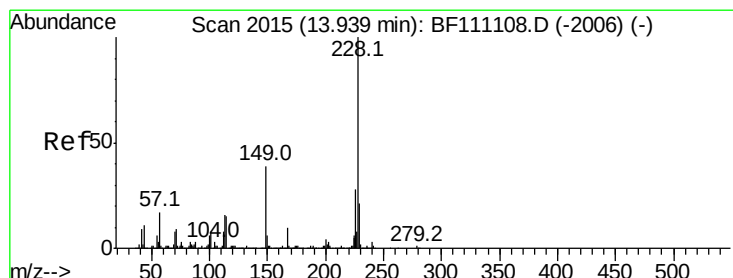
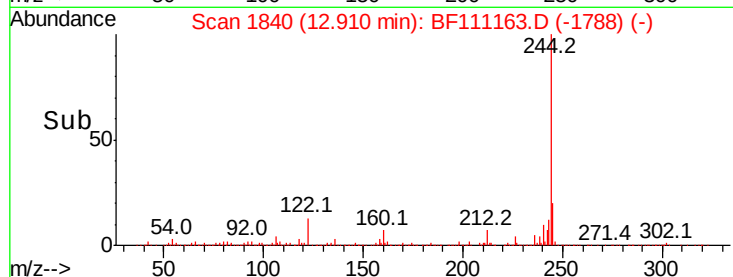
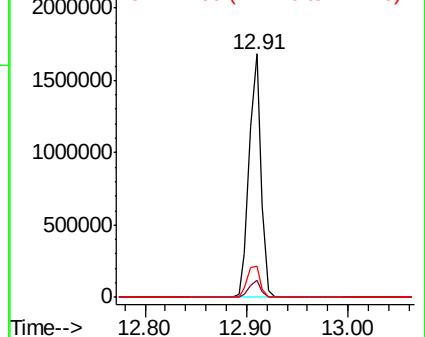
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 11.333 ng

RT: 13.95 min Scan# 2017

Delta R.T. 0.01 min

Lab File: BF111163.D

Acq: 7 Dec 2018 2:44

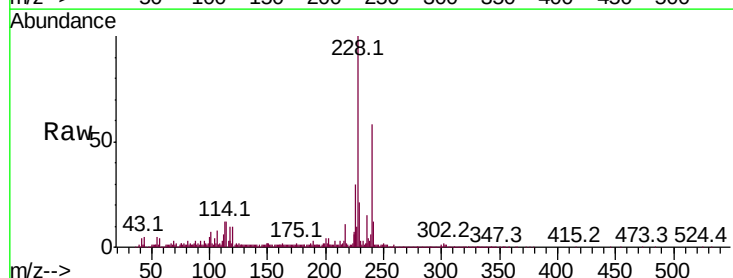
Tgt Ion:228 Resp: 623413

Ion Ratio Lower Upper

228 100

226 30.0 22.6 34.0

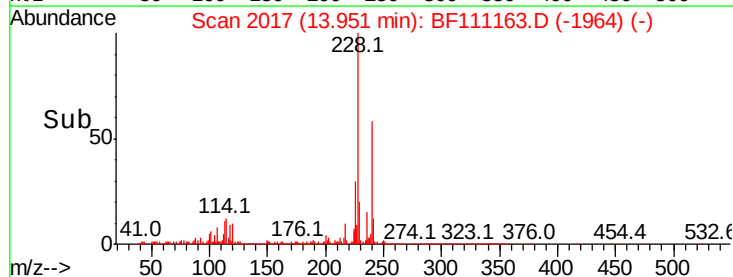
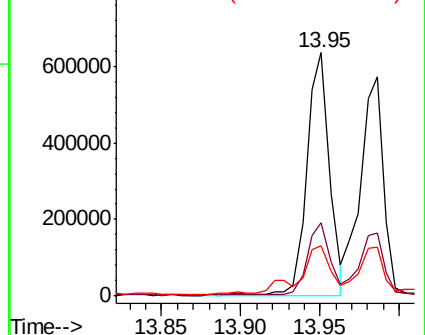
229 20.9 16.7 25.1

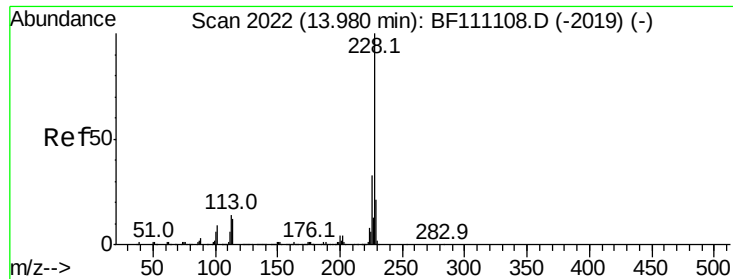


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





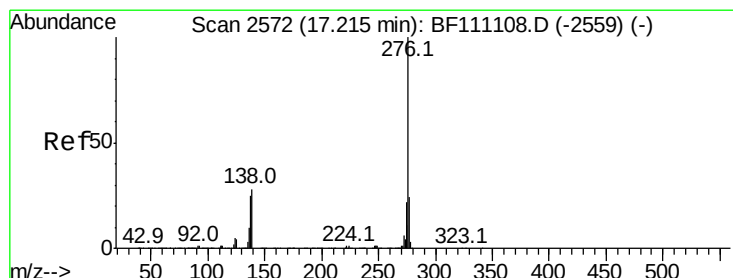
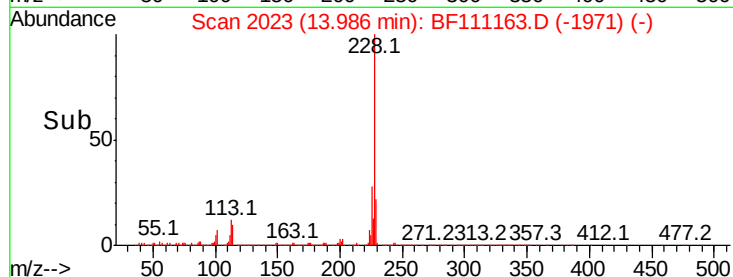
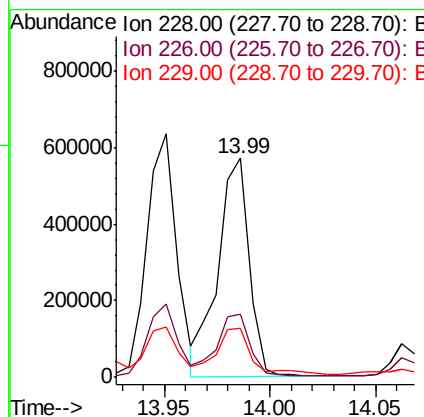
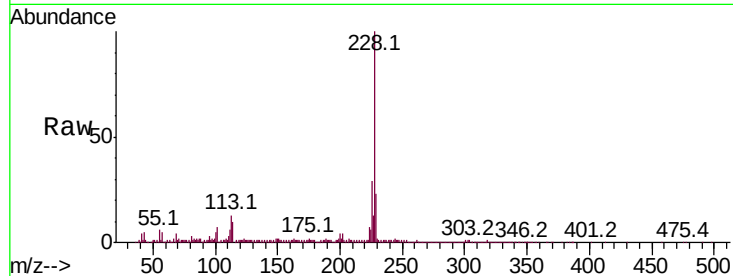
#83
Chrysene
Concen: 10.688 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.01 min
Lab File: BF111163.D
Acq: 7 Dec 2018 2:44

Instrument :
BNA_F
ClientSampleId :
OR-01-120518-A

Tot Ion:	228	Resp:	583670
Ion Ratio	Lower	Upper	
228	100		
226	28.8	26.2	39.2
229	22.6	16.9	25.3

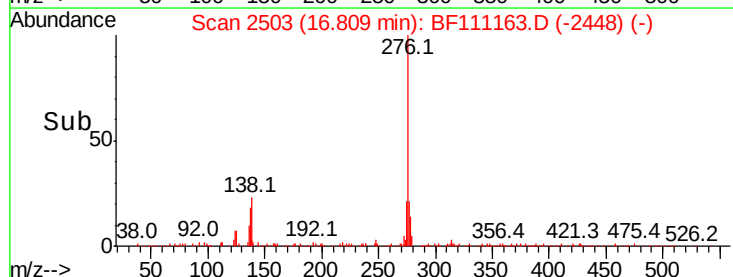
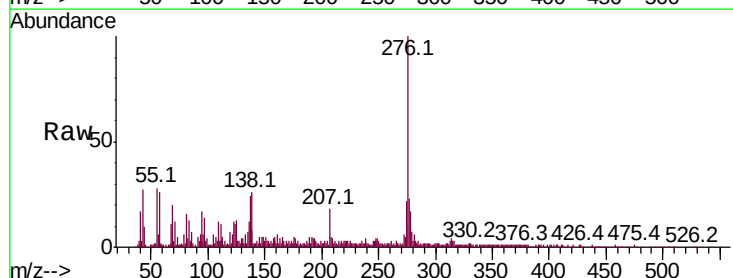
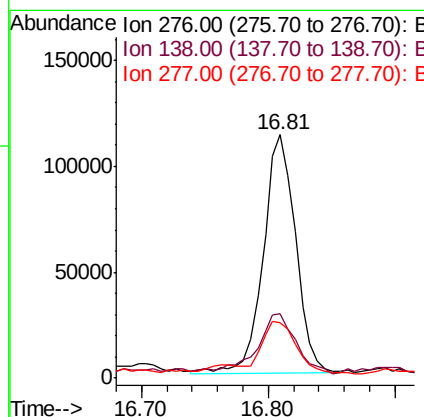
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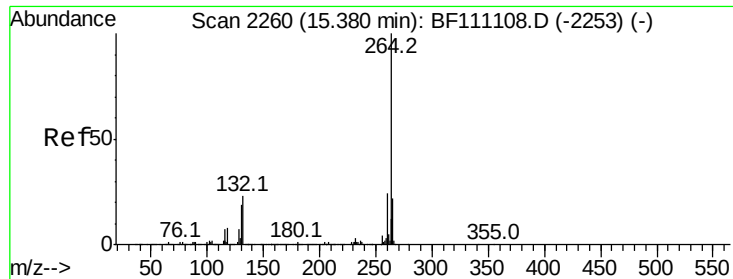
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 4.514 ng
RT: 16.81 min Scan# 2503
Delta R.T. 0.02 min
Lab File: BF111163.D
Acq: 7 Dec 2018 2:44

Tgt Ion:	276	Resp:	197933
Ion Ratio	Lower	Upper	
276	100		
138	30.6	20.2	30.4#
277	24.3	15.8	23.6#





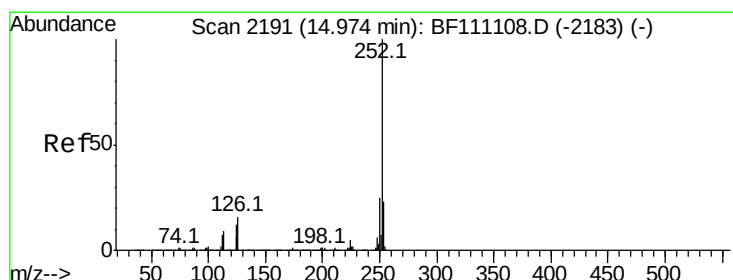
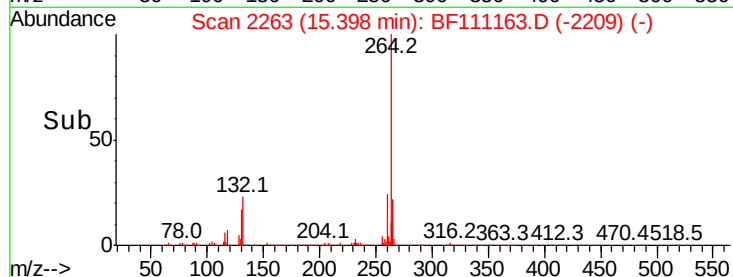
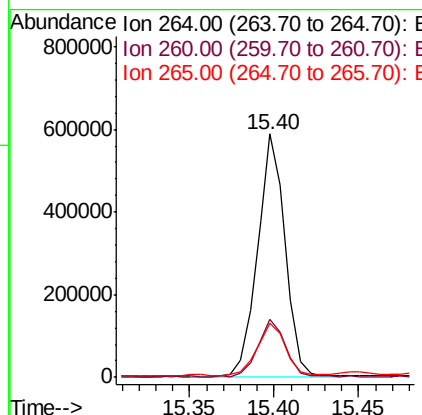
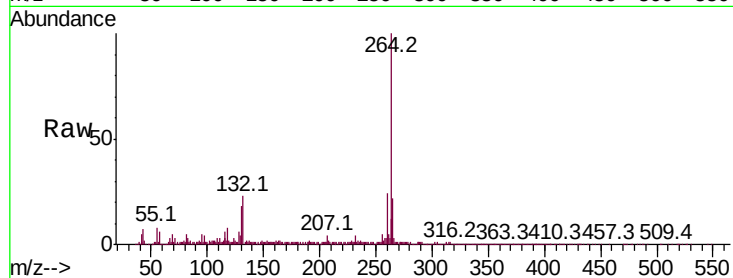
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.02 min
Lab File: BF111163.D
Acq: 7 Dec 2018 2:44

Instrument :
BNA_F
ClientSampleId :
OR-01-120518-A

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.0
265	22.2	17.4	26.0

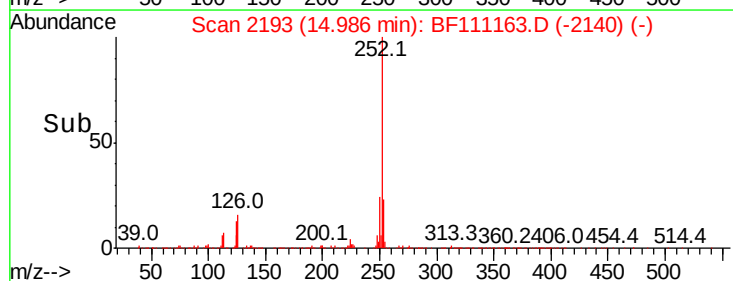
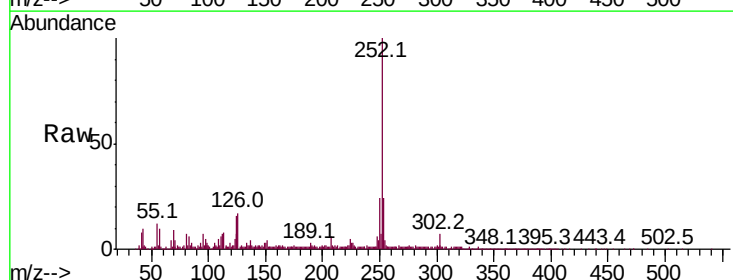
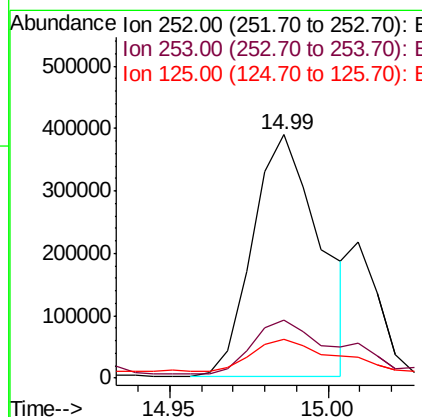
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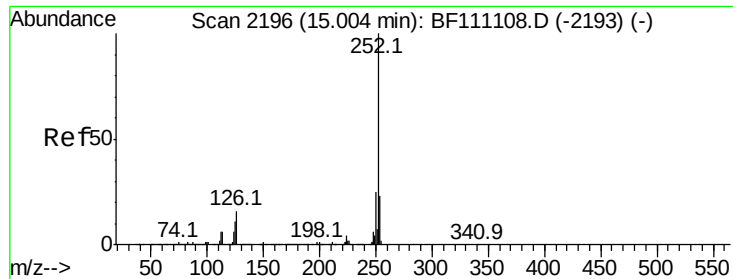
mohammad
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#88
Benzo(b)fluoranthene
Concen: 15.276 ng m
RT: 14.99 min Scan# 2193
Delta R.T. 0.01 min
Lab File: BF111163.D
Acq: 7 Dec 2018 2:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.5	27.7
125	15.8	9.9	14.9





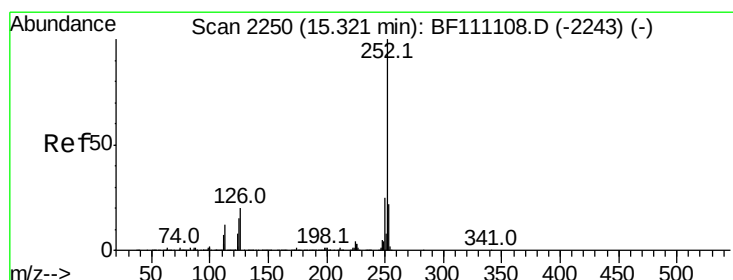
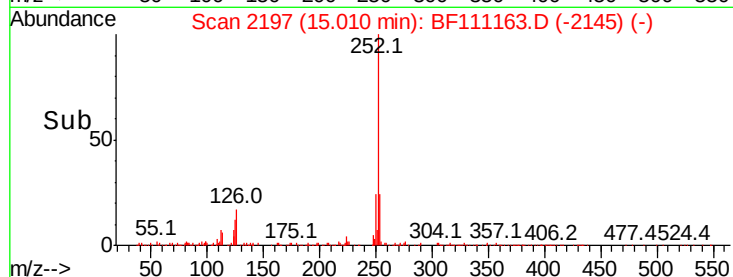
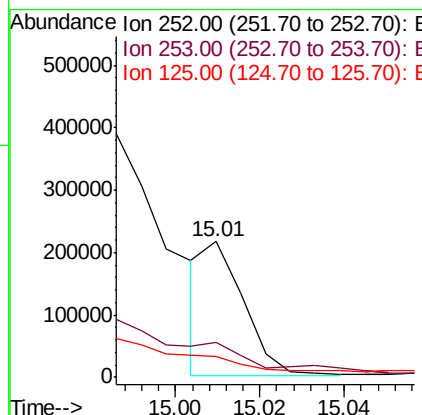
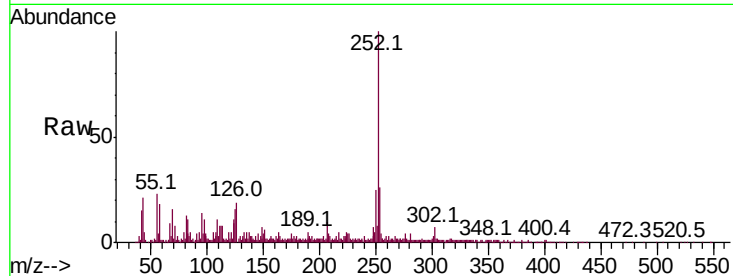
#89
Benzo(k)fluoranthene
Concen: 3.840 ng m
RT: 15.01 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF111163.D
Acq: 7 Dec 2018 2:44

Instrument :
BNA_F
ClientSampleId :
OR-01-120518-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.1	18.2	27.4
125	15.8	9.9	14.9

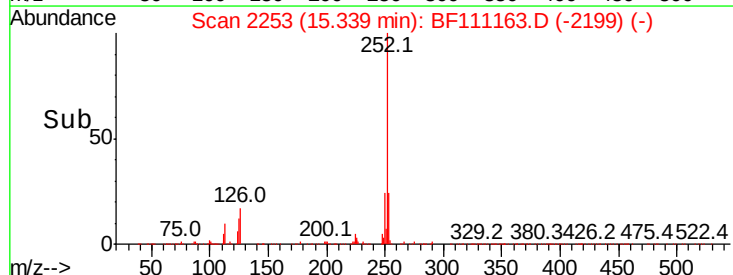
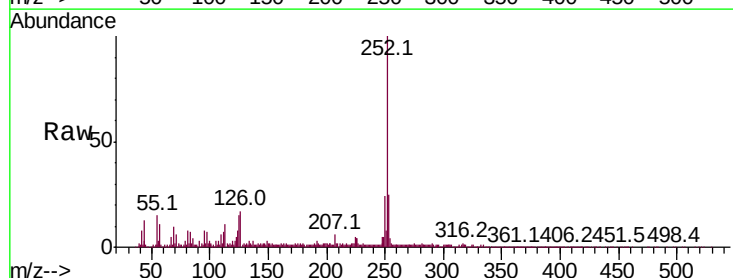
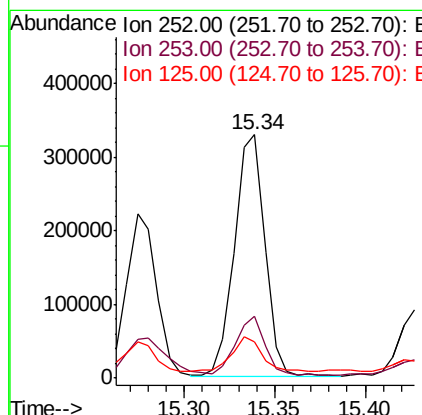
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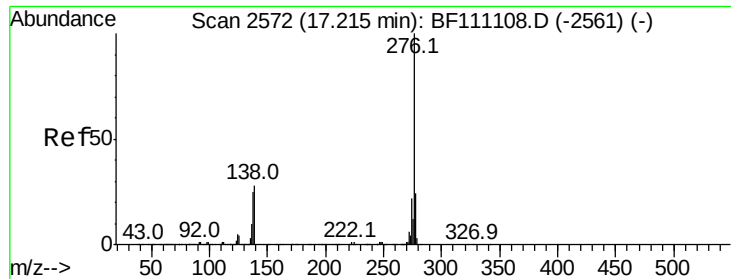
mohammad
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#90
Benzo(a)pyrene
Concen: 11.120 ng
RT: 15.34 min Scan# 2253
Delta R.T. 0.02 min
Lab File: BF111163.D
Acq: 7 Dec 2018 2:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.5	26.3
125	15.1	12.4	18.6





#92
 Benzo(a,h,i)perylene
 Concen: 6.738 ng
 RT: 17.23 min Scan# 2575
 Delta R.T. 0.02 min
 Lab File: BF111163.D
 Acq: 7 Dec 2018 2:44

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-120518-A

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	24.4	19.3	28.9
138	28.9	22.3	33.5

Manual Integrations
 APPROVED

mohammad
 12/10/2018 12:19:22 PM

