

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013019\
 Data File : BF112328.D
 Acq On : 30 Jan 2019 18:14
 Operator : JU/SJ
 Sample : K1282-01 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Manual Integrations
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Quant Time: Jan 31 00:36:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	135667	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	479243	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	193532	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	312276	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	333855	20.00	ng	0.00
87) Perylene-d12	15.47	264	366891	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	358483	56.13	ng	-0.01
7) Phenol-d6	6.48	99	432819	48.77	ng	-0.01
23) Nitrobenzene-d5	7.40	82	257411	30.95	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	84401	37.47	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	400789	29.29	ng	-0.01
79) Terphenyl-d14	12.94	244	298517	16.84	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.14	128	58090	2.592	ng	98
52) Acenaphthene	9.90	154	33264	2.896	ng	99
55) Dibenzofuran	10.08	168	38312	2.182	ng	97
58) Fluorene	10.42	166	34496	2.626	ng	100
71) Phenanthrene	11.39	178	422235	26.008	ng	96
72) Anthracene	11.43	178	133642	8.264	ng	97
73) Carbazole	11.59	167	50832	3.187	ng	98
75) Fluoranthene	12.57	202	608077	34.921	ng	98
78) Pyrene	12.80	202	594882	25.737	ng	98
81) Benzo(a)anthracene	13.99	228	535057	27.263	ng	99
83) Chrysene	14.03	228	441802	23.583	ng	97
86) Indeno(1,2,3-cd)pyrene	16.94	276	269251	18.138	ng	# 93
88) Benzo(b)fluoranthene	15.04	252	654312m	29.820	ng	
89) Benzo(k)fluoranthene	15.07	252	230164m	10.951	ng	
90) Benzo(a)pyrene	15.42	252	529490	26.819	ng	98
91) Dibenzo(a,h)anthracene	16.94	278	88324m	5.551	ng	
92) Benzo(a,h,i)perylene	17.39	276	231500	15.421	ng	99

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

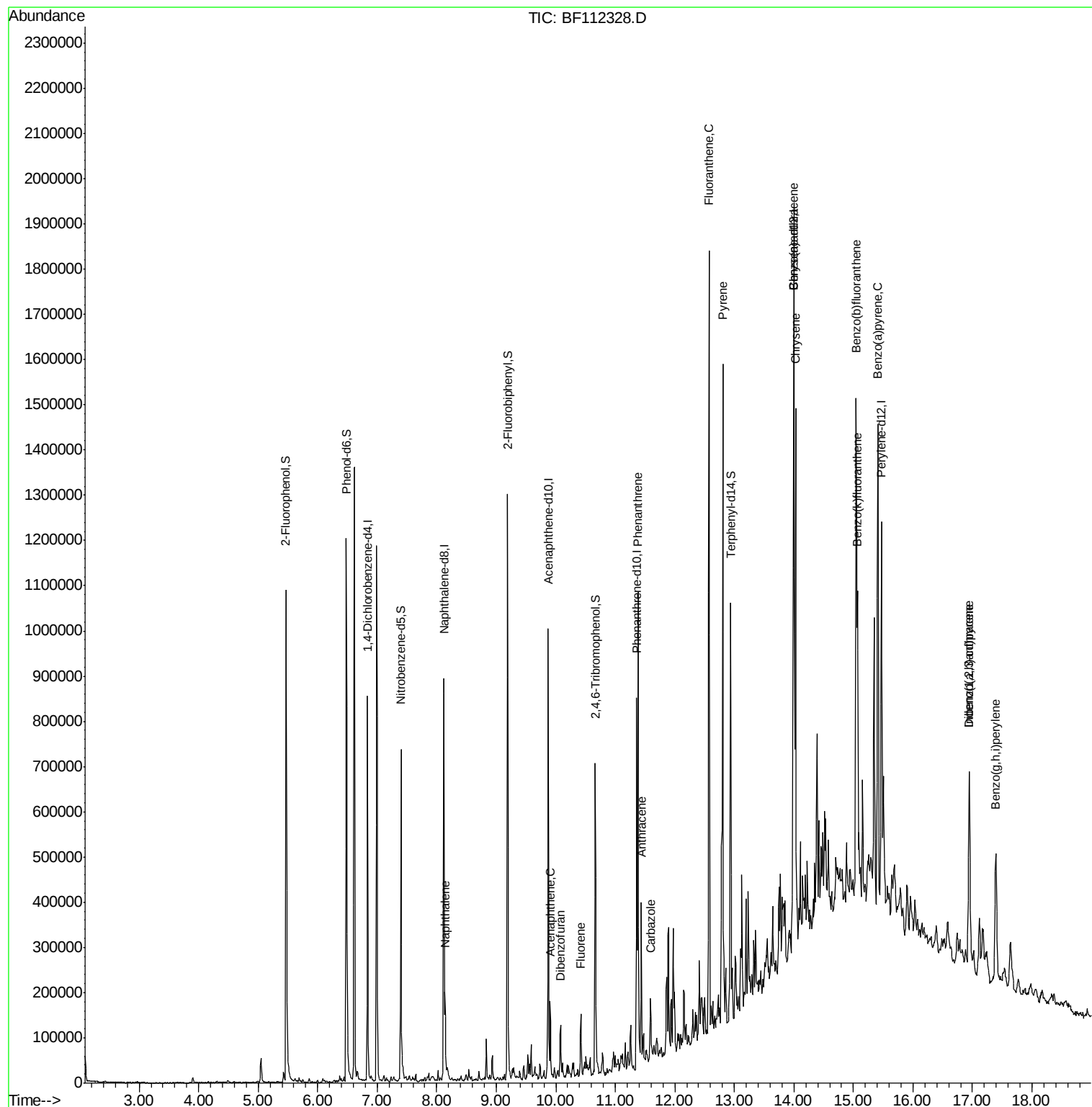
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013019\
Data File : BF112328.D
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ALS Vial : 10 Sample Multiplier: 1

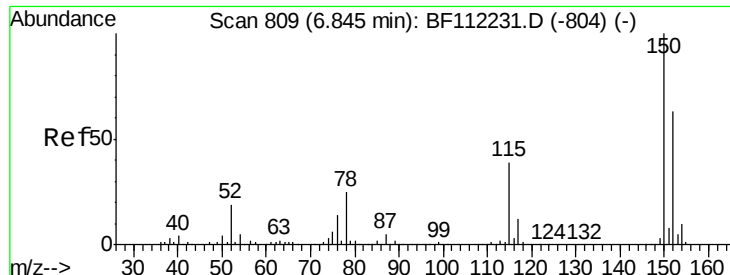
Instrument :
BNA_F
ClientSampled :
TP-1

Quant Time: Jan 31 00:36:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
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#1

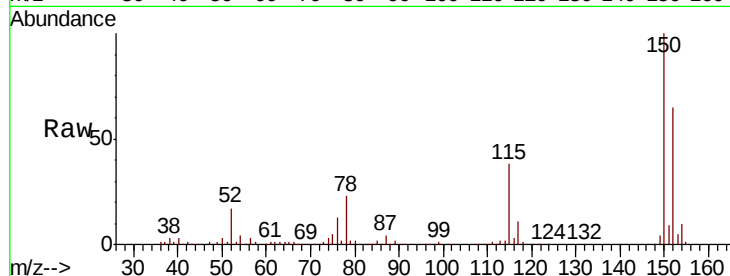
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF112328.D
Acq: 30 Jan 2019 18:14

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	127.4	191.0
115	57.6	45.5	68.3

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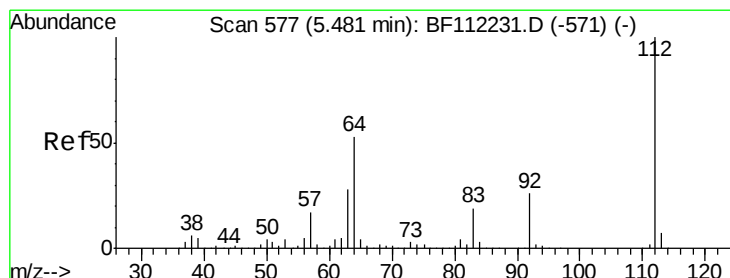
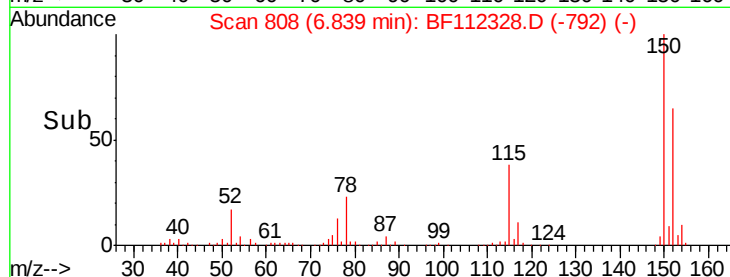
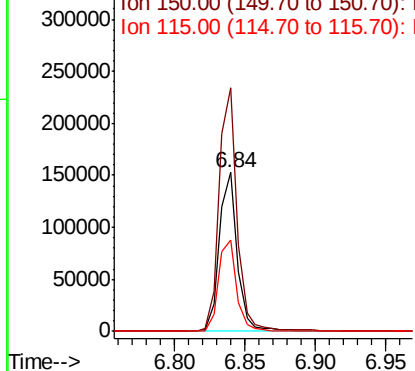


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

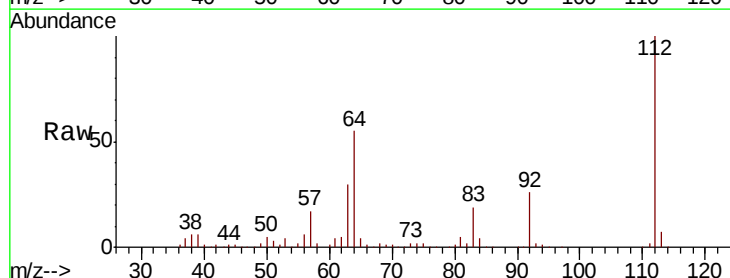
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 56.126 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF112328.D
Acq: 30 Jan 2019 18:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.9	45.7	68.5
63	29.7	23.6	35.4

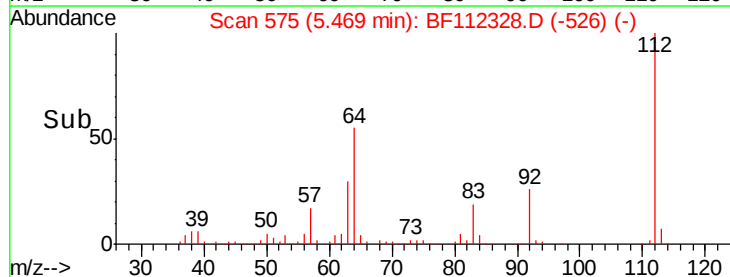
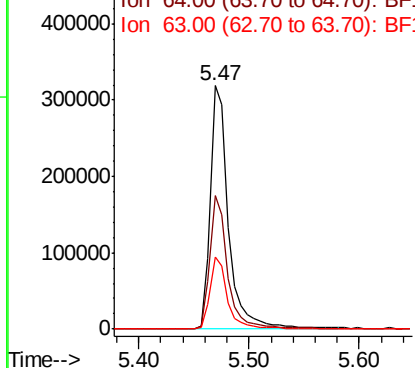


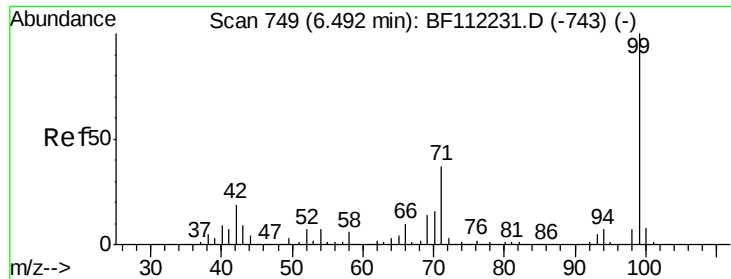
Abundance

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: 48.767 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112328.D

Acq: 30 Jan 2019 18:14

Instrument :

BNA_F

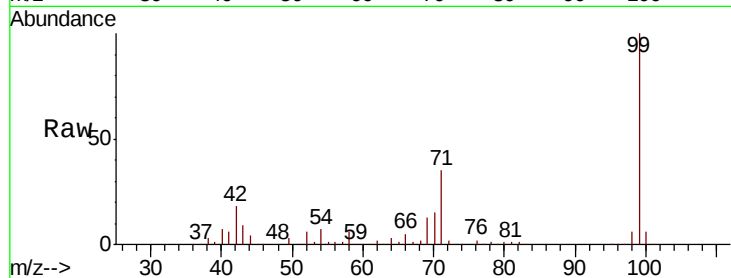
ClientSampled :

TP-1

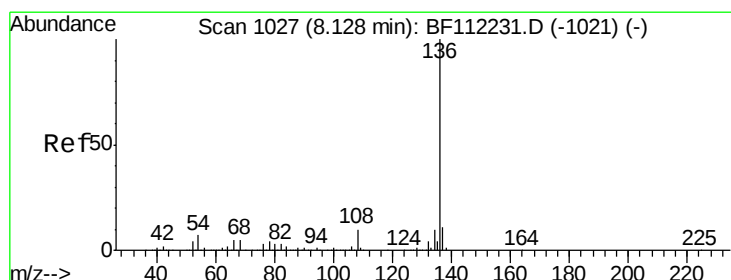
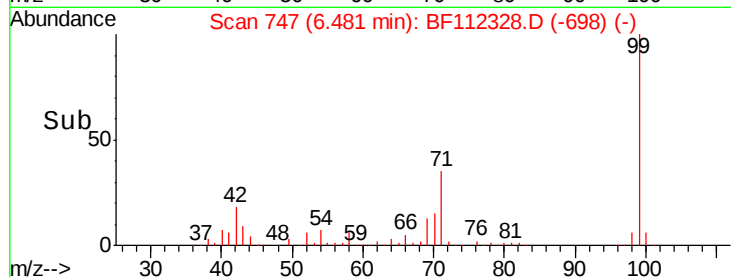
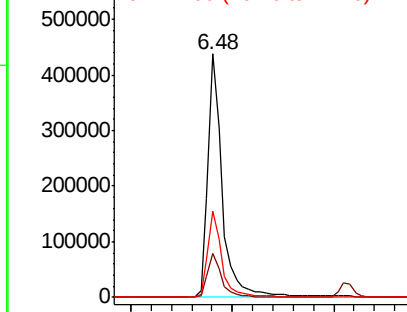
Tot Ion:	99	Resp:	432819
Ion	Ratio	Lower	Upper
99	100		
42	18.3	15.1	22.7
71	35.2	26.9	40.3

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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: 8.12 min Scan# 1026

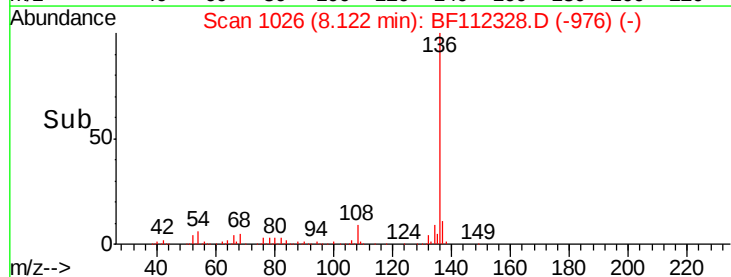
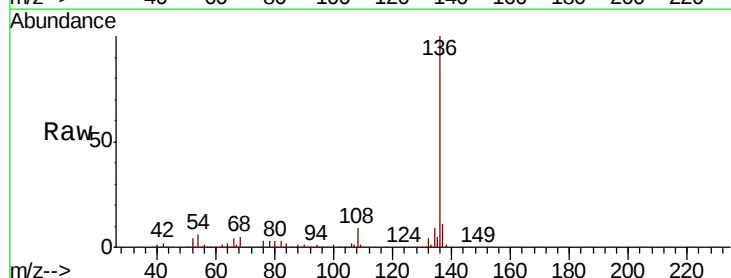
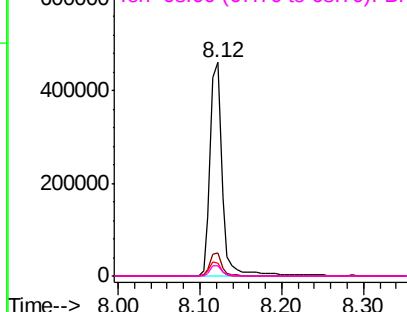
Delta R.T. -0.01 min

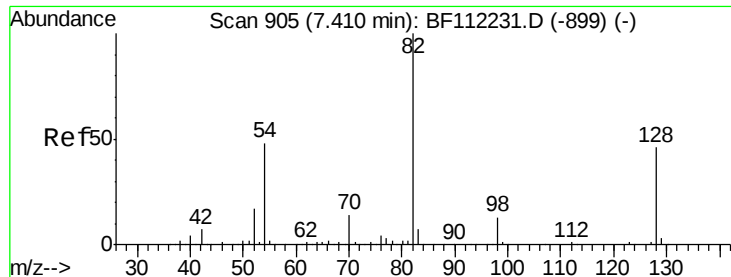
Lab File: BF112328.D

Acq: 30 Jan 2019 18:14

Tgt Ion:	136	Resp:	479243
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	5.9	5.9	8.9#
68	4.7	5.1	7.7#

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





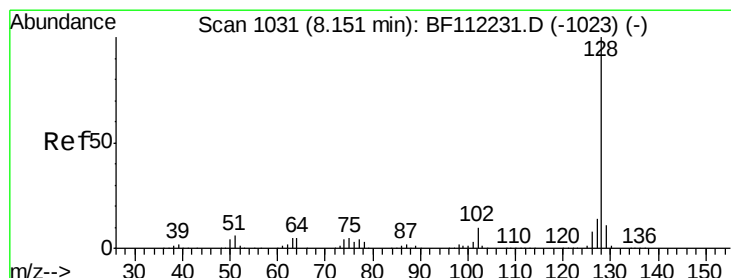
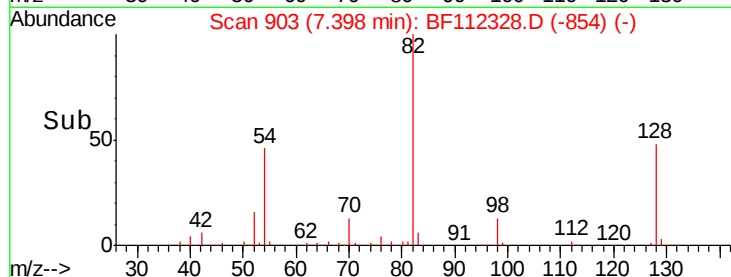
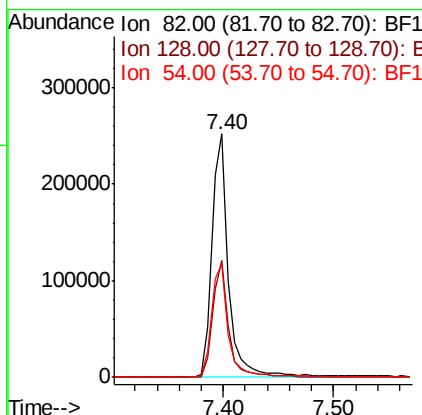
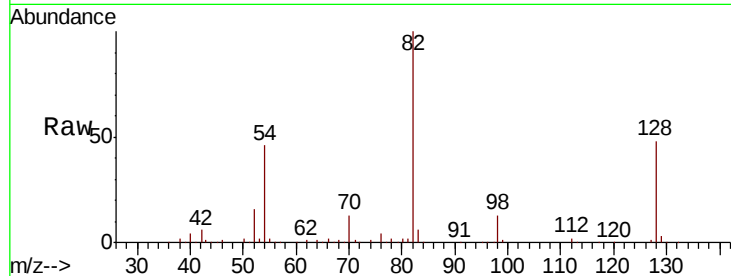
#23
Nitrobenzene-d5
Concen: 30.949 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112328.D
Acq: 30 Jan 2019 18:14

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion	82	Resp	257411
Ion Ratio	100	Lower	Upper
128	47.9	37.8	56.8
54	46.2	39.7	59.5

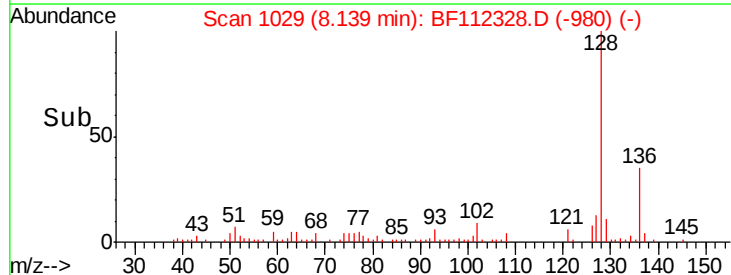
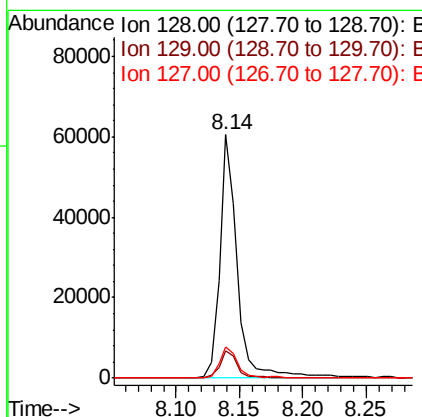
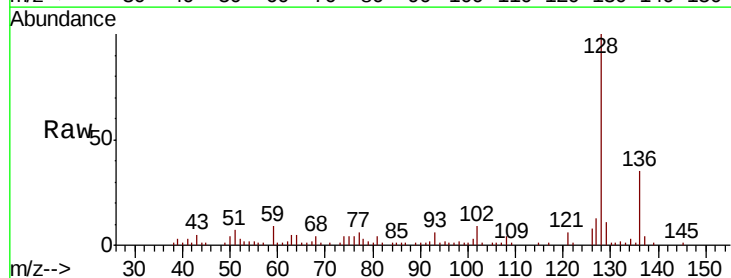
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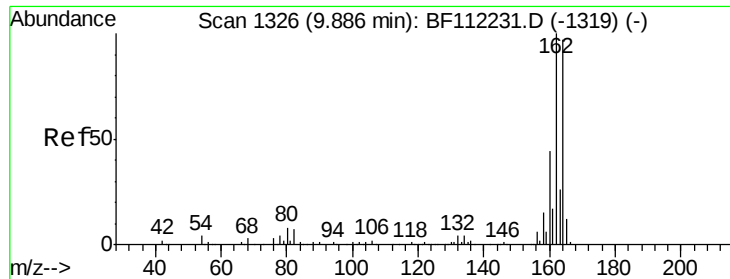
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#31
Naphthalene
Concen: 2.592 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF112328.D
Acq: 30 Jan 2019 18:14

Tgt Ion	128	Resp	58090
Ion Ratio	100	Lower	Upper
129	11.2	9.6	14.4
127	12.8	11.1	16.7





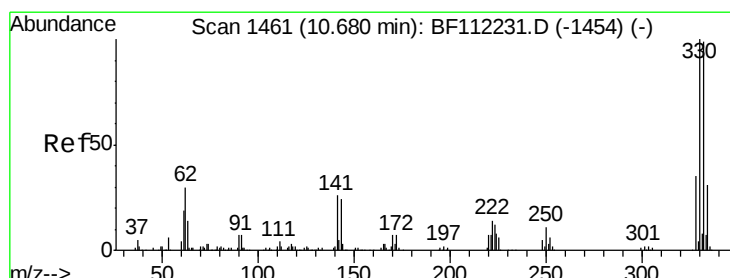
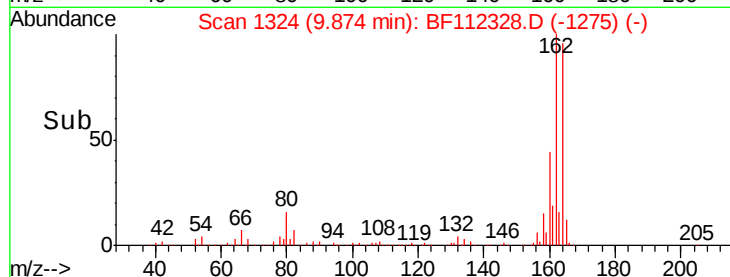
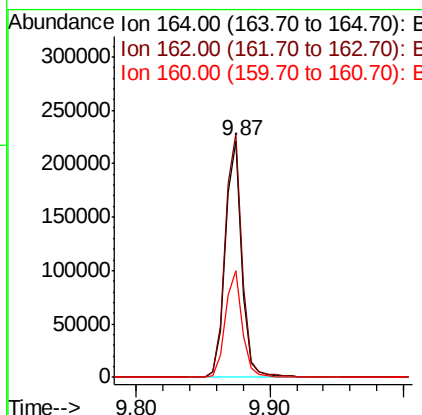
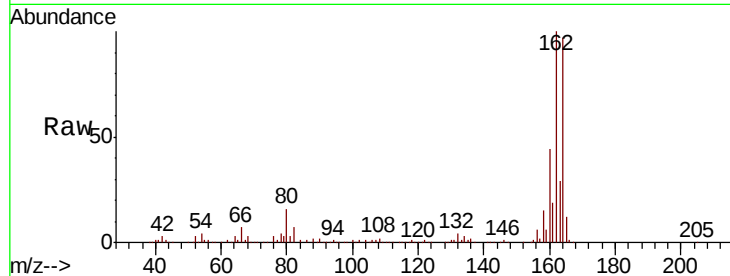
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF112328.D
Acq: 30 Jan 2019 18:14

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.1	82.2	123.4	
160	45.2	36.2	54.4	

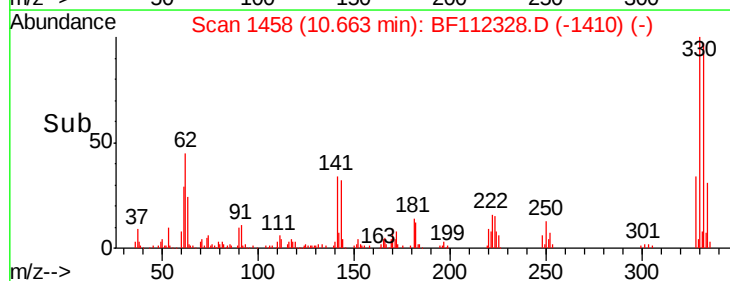
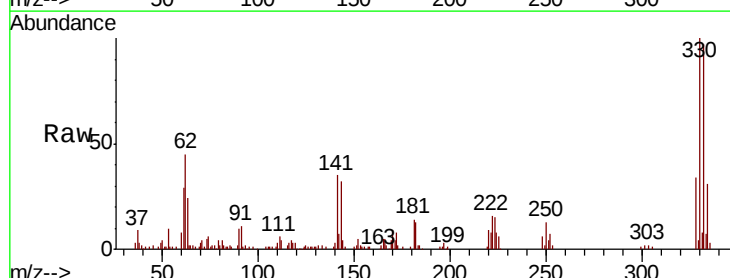
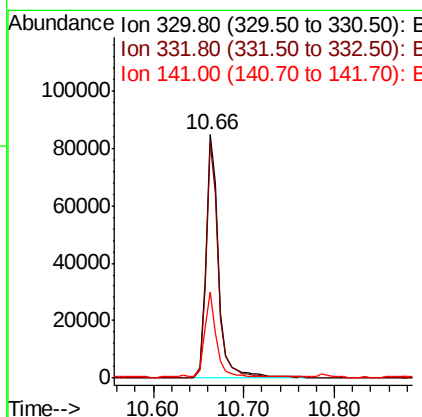
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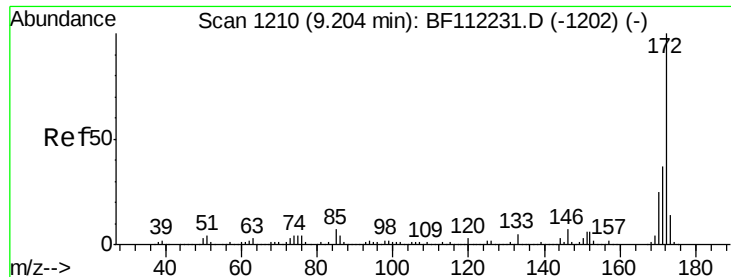
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#42
2,4,6-Tribromophenol
Concen: 37.467 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.02 min
Lab File: BF112328.D
Acq: 30 Jan 2019 18:14

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	93.9	76.6	114.8	
141	36.5	24.3	36.5	





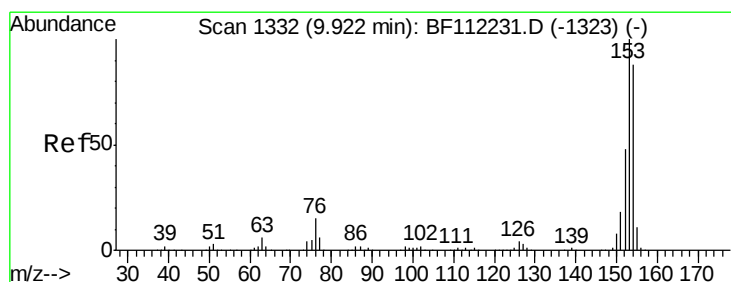
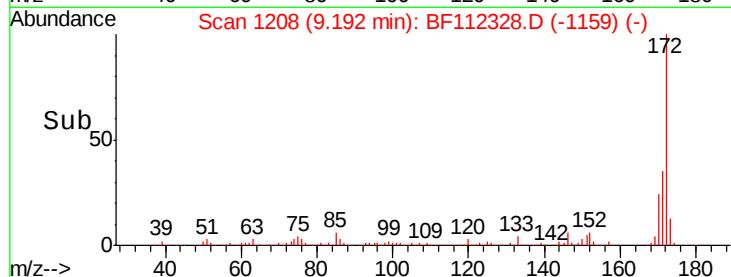
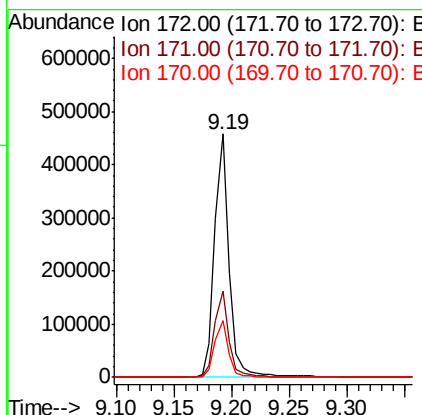
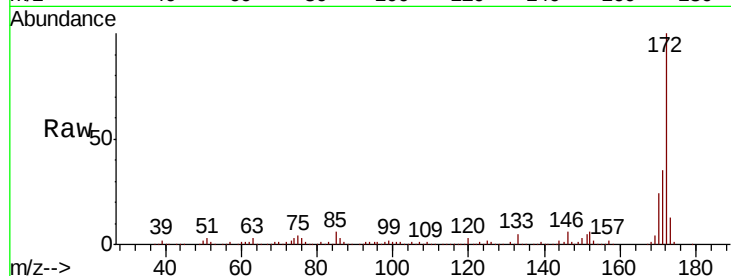
#45
2-Fluorobiphenyl
Concen: 29.290 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.01 min
Lab File: BF112328.D
Acq: 30 Jan 2019 18:14

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	30.5	45.7
170	23.5	20.2	30.4

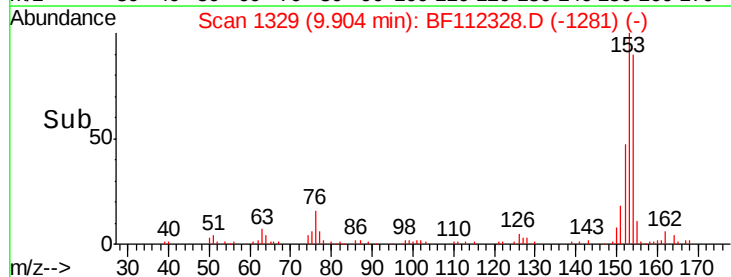
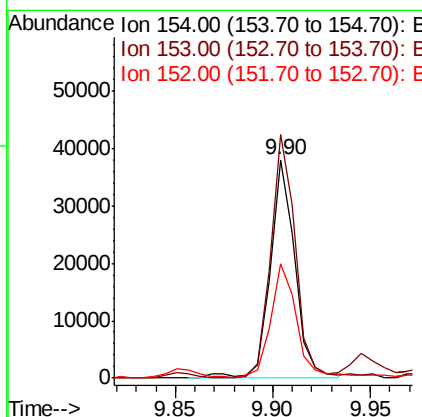
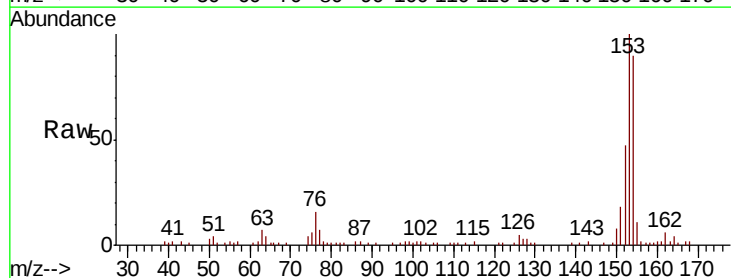
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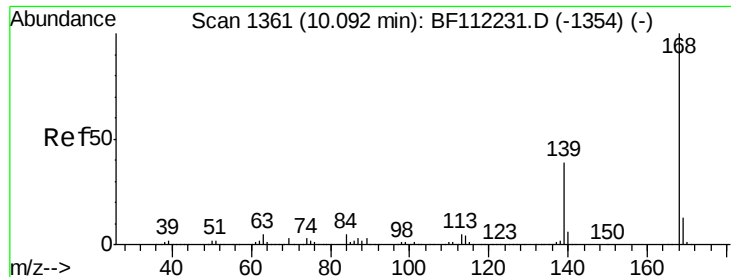
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#52
Acenaphthene
Concen: 2.896 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.02 min
Lab File: BF112328.D
Acq: 30 Jan 2019 18:14

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.5	89.8	134.6
152	52.2	43.5	65.3





#55

Dibenzofuran

Concen: 2.182 ng

RT: 10.08 min Scan# 1359

Delta R.T. -0.01 min

Lab File: BF112328.D

Acq: 30 Jan 2019 18:14

Instrument :

BNA_F

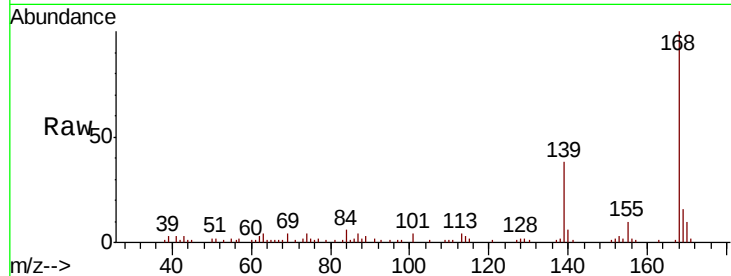
ClientSampled :

TP-1

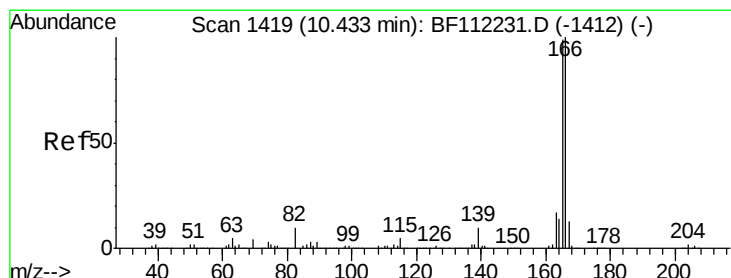
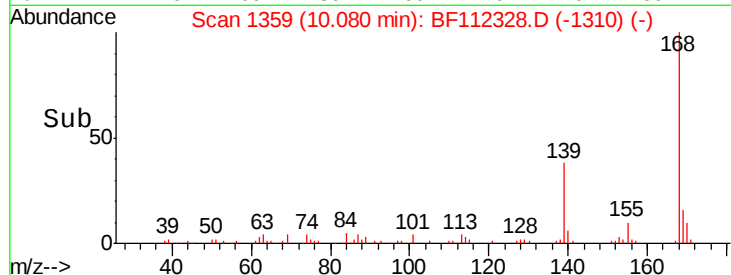
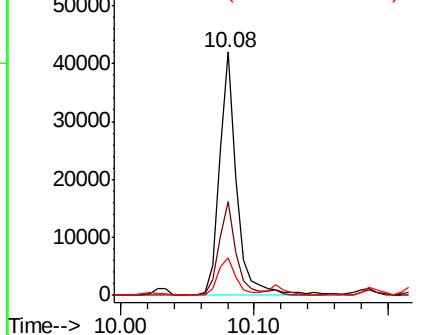
Tot Ion:	168	Resp:	38312
Ion Ratio	Lower	Upper	
168	100		
139	38.3	29.2	43.8
169	15.6	11.4	17.0

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Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E



#58

Fluorene

Concen: 2.626 ng

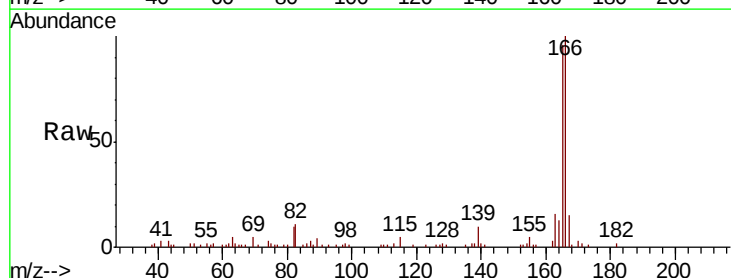
RT: 10.42 min Scan# 1417

Delta R.T. -0.01 min

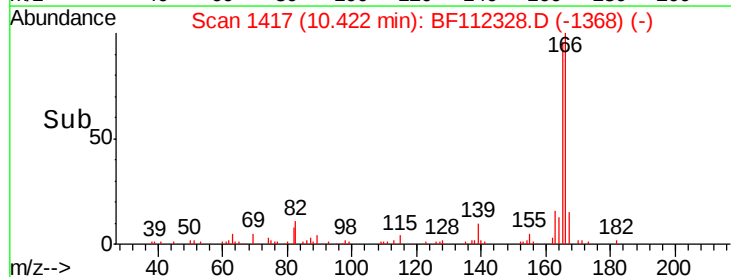
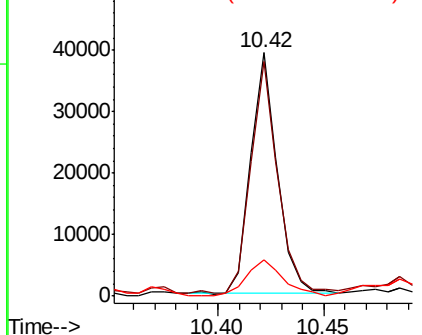
Lab File: BF112328.D

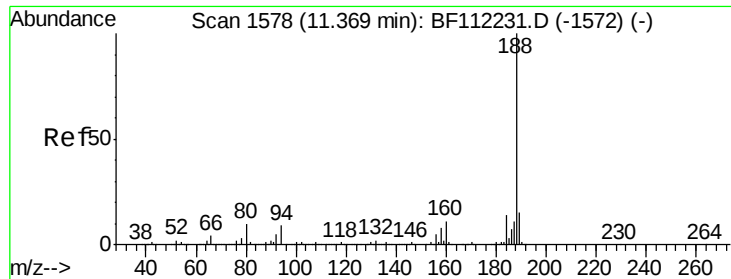
Acq: 30 Jan 2019 18:14

Tgt Ion:	166	Resp:	34496
Ion Ratio	Lower	Upper	
166	100		
165	96.4	77.1	115.7
167	15.0	11.3	16.9



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





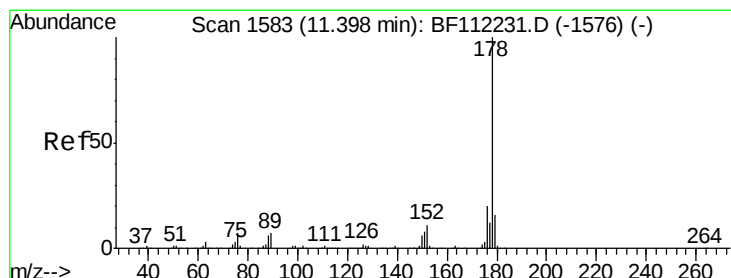
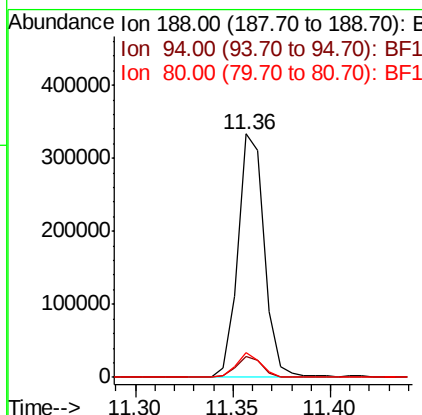
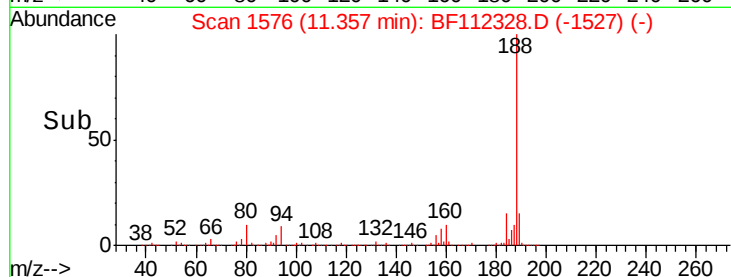
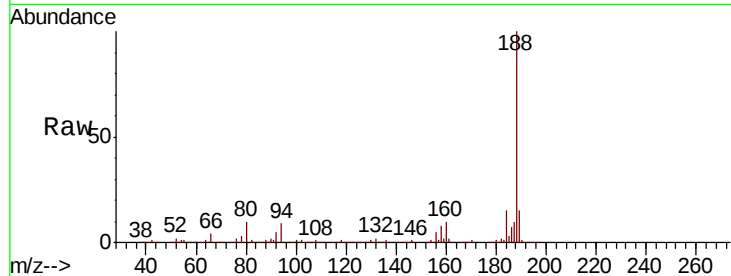
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112328.D
Acq: 30 Jan 2019 18:14

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.8	8.2	12.2
80	10.3	8.9	13.3

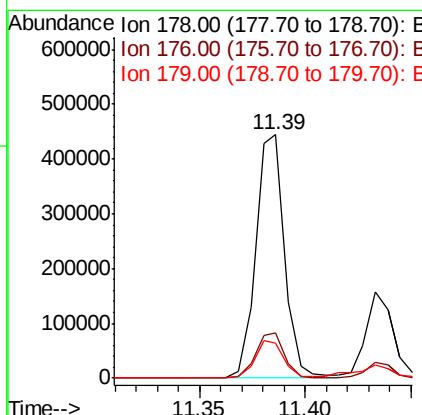
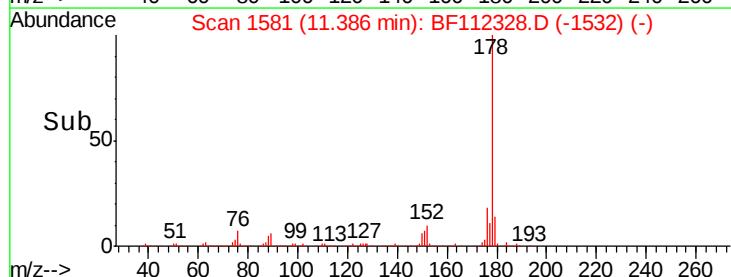
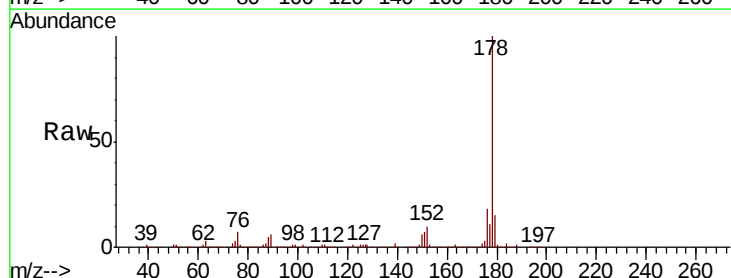
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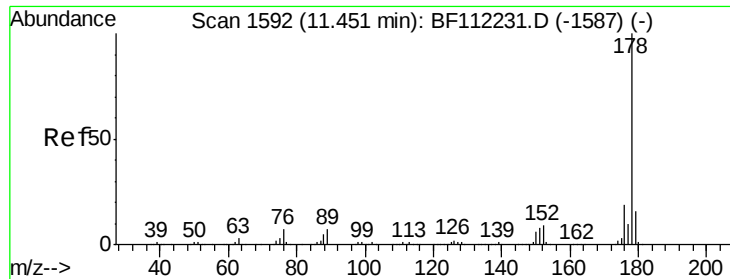
mohammad
2/1/2019 12:06:35 AM



#71
Phenanthrene
Concen: 26.008 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF112328.D
Acq: 30 Jan 2019 18:14

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.4	16.3	24.5
179	14.6	13.0	19.4





#72

Anthracene

Concen: 8.264 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.02 min

Lab File: BF112328.D

Acq: 30 Jan 2019 18:14

Instrument :

BNA_F

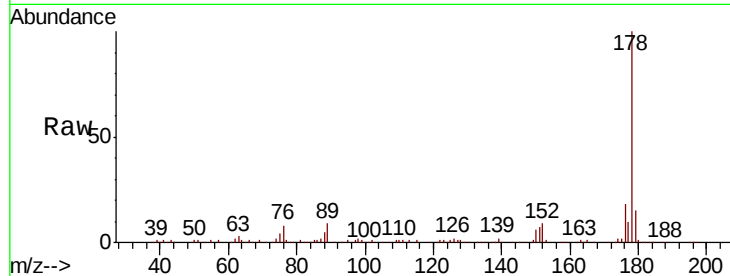
ClientSampleId :

TP-1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
178	100		133642		
176	17.8	15.5	23.3		
179	14.9	12.8	19.2		

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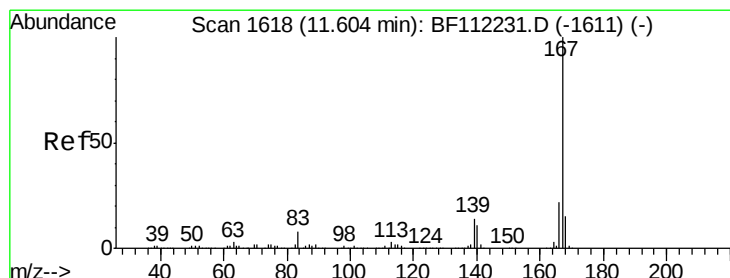
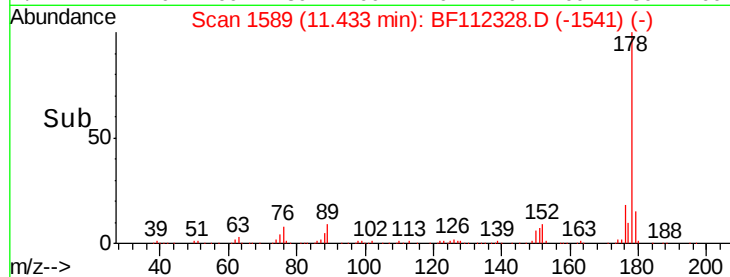
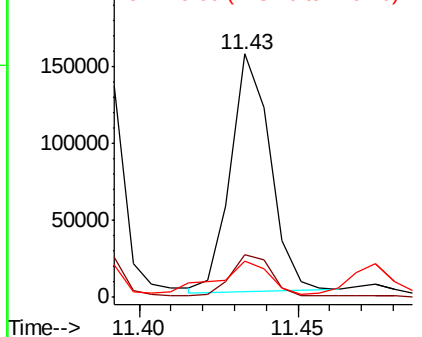


Abundance

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



#73

Carbazole

Concen: 3.187 ng

RT: 11.59 min Scan# 1616

Delta R.T. -0.01 min

Lab File: BF112328.D

Acq: 30 Jan 2019 18:14

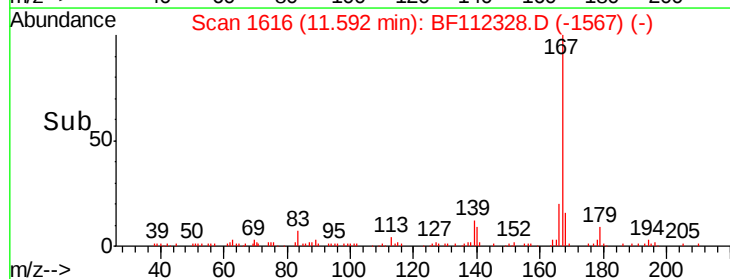
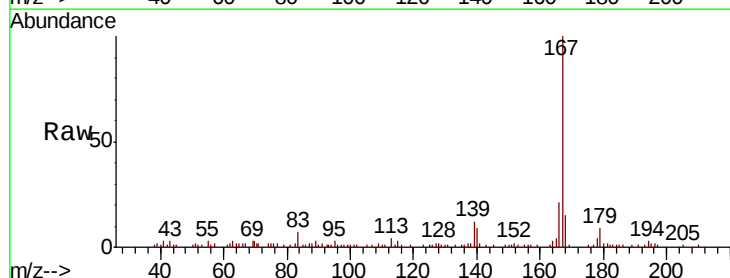
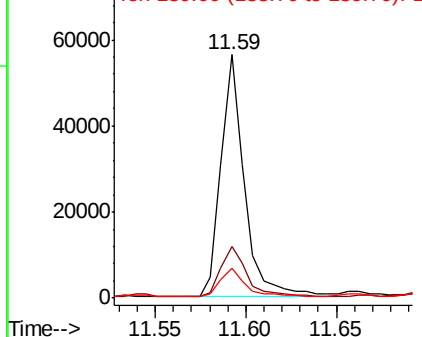
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
167	100		50832		
166	21.0	17.9	26.9		
139	12.4	10.2	15.2		

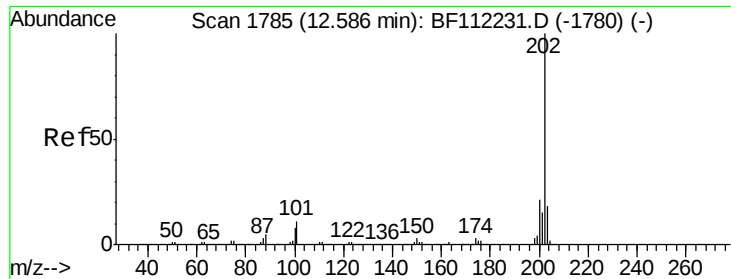
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 34.921 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF112328.D

Acq: 30 Jan 2019 18:14

Instrument :

BNA_F

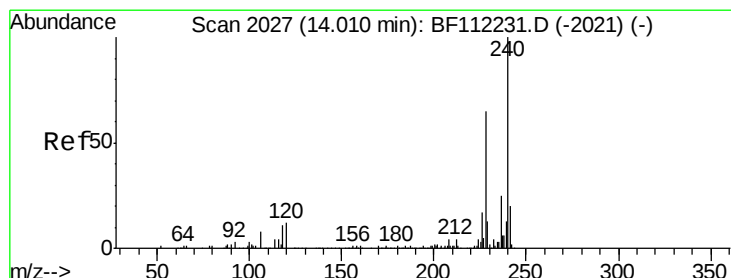
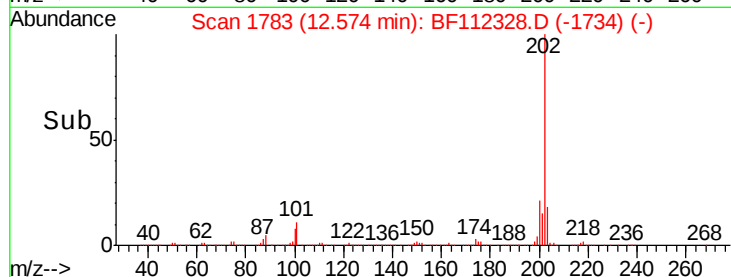
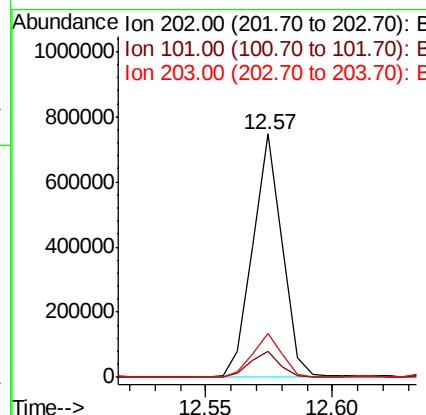
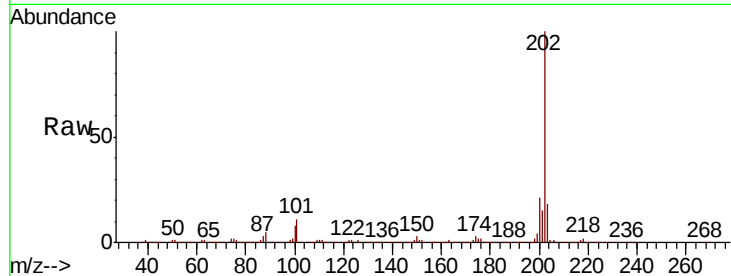
ClientSampled :

TP-1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		608077		
101	10.9	0.0	31.8		
203	17.9	0.0	38.4		

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#76

Chrysene-d12

Concen: 20.000 ng

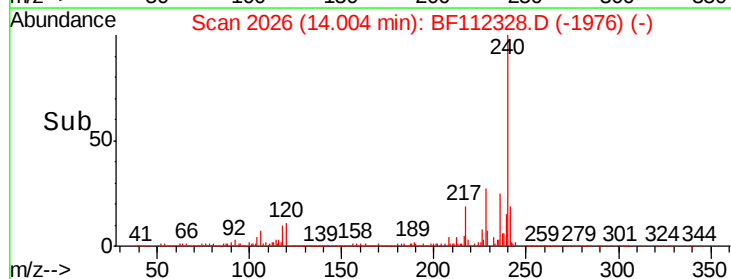
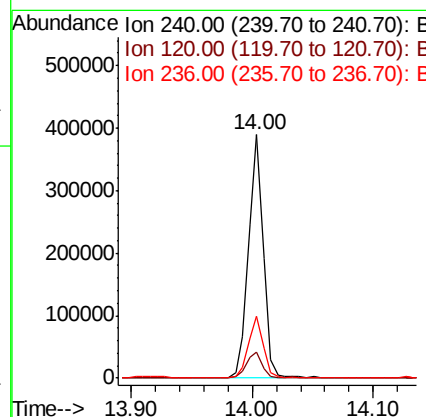
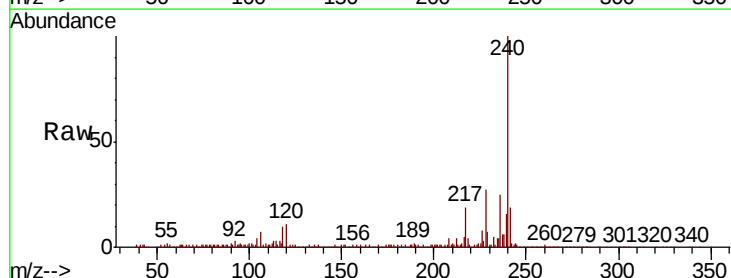
RT: 14.00 min Scan# 2026

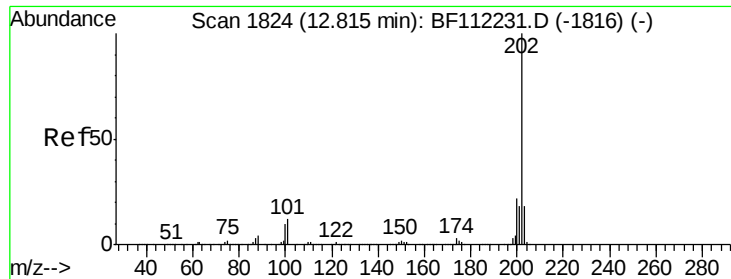
Delta R.T. -0.01 min

Lab File: BF112328.D

Acq: 30 Jan 2019 18:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		333855		
120	10.8	9.0	13.6		
236	25.2	20.7	31.1		





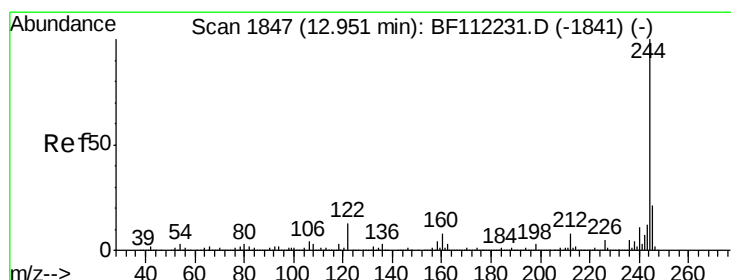
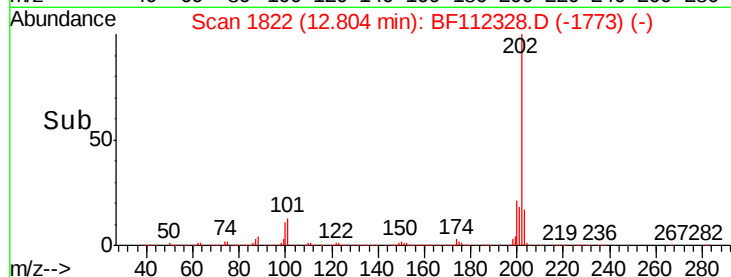
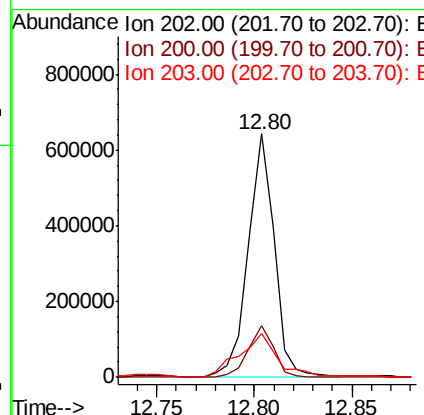
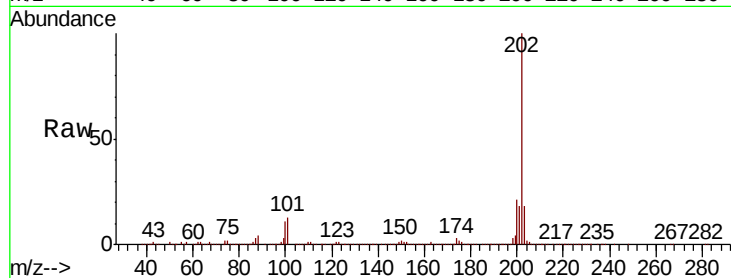
#78
Pvrene
Concen: 25.737 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF112328.D
Acq: 30 Jan 2019 18:14

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.7	26.5
203	17.9	14.6	22.0

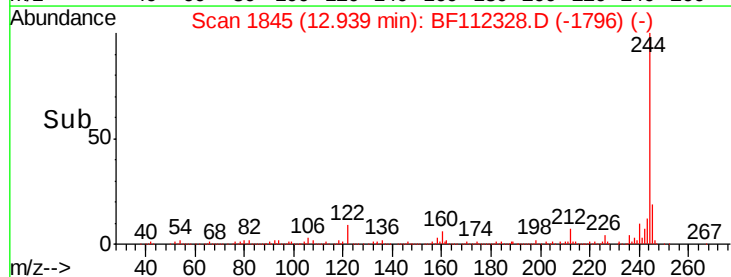
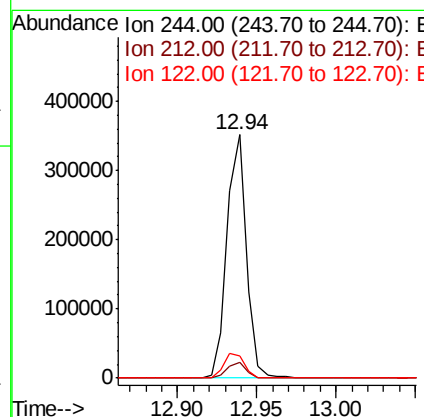
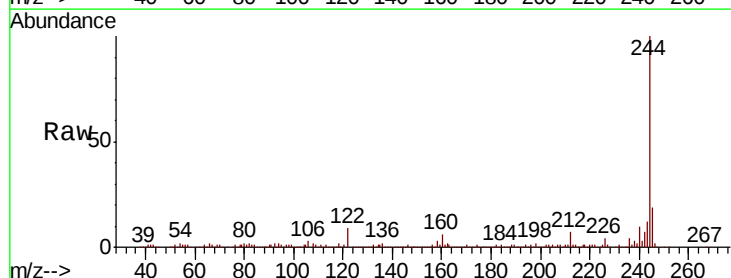
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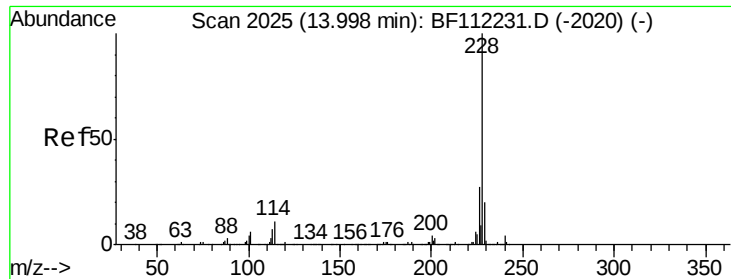
mohammad
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#79
Terphenyl-d14
Concen: 16.841 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF112328.D
Acq: 30 Jan 2019 18:14

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.9	8.9
122	9.3	9.8	14.6#





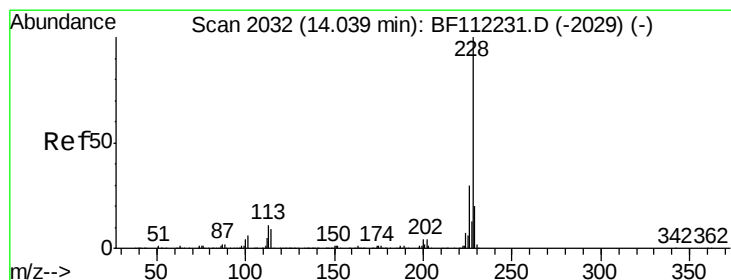
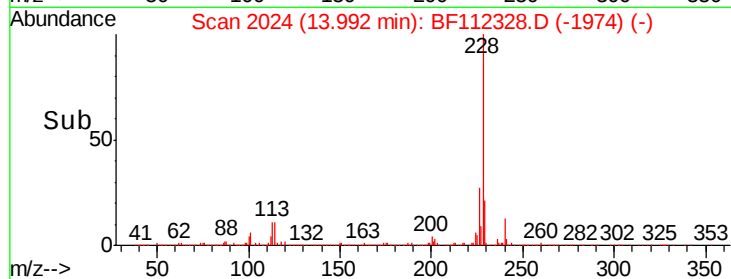
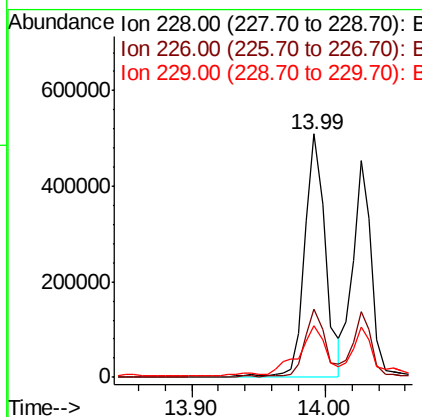
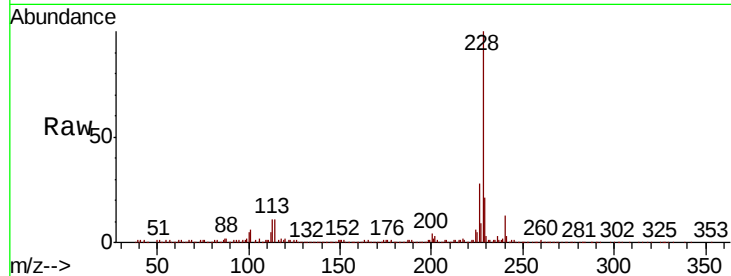
#81
Benzo(a)anthracene
Concen: 27.263 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF112328.D
Acq: 30 Jan 2019 18:14

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.6	34.0
229	21.2	16.5	24.7

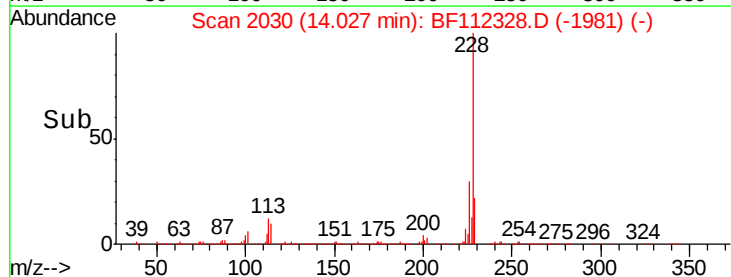
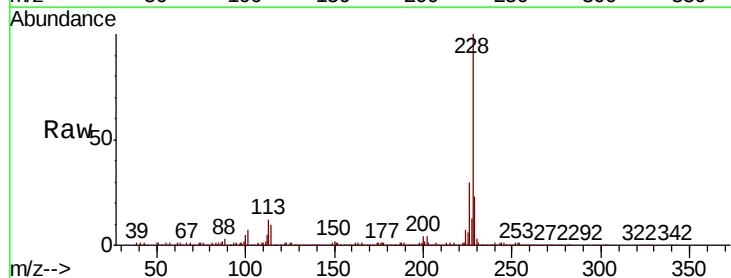
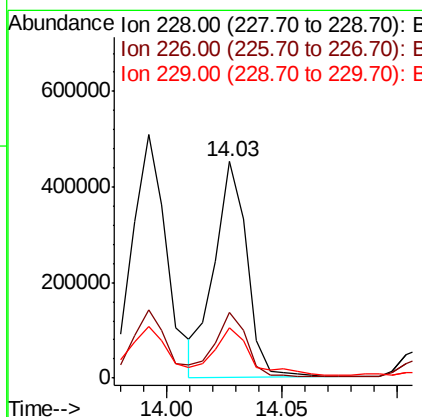
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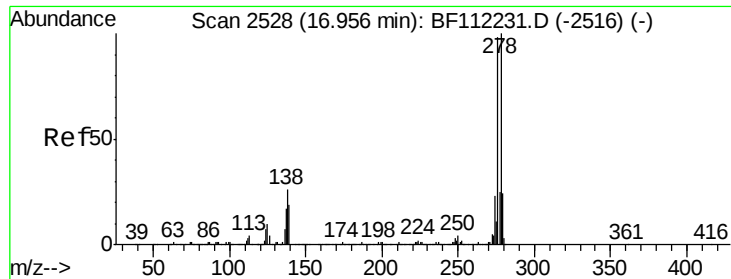
mohammad
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#83
Chrysene
Concen: 23.583 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF112328.D
Acq: 30 Jan 2019 18:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.0	37.6
229	23.4	16.6	24.8





#86

Indeno(1,2,3-cd)pyrene

Concen: 18.138 ng

RT: 16.94 min Scan# 2526

Delta R.T. -0.01 min

Lab File: BF112328.D

Acq: 30 Jan 2019 18:14

Instrument :

BNA_F

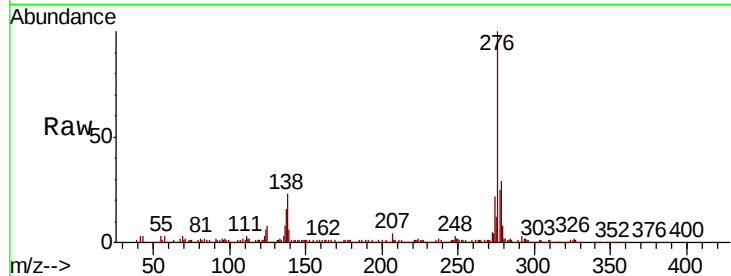
ClientSampleId :

TP-1

Tot Ion:	276	Resp:	269251
Ion Ratio		Lower	Upper
276	100		
138	22.3	22.6	34.0#
277	23.9	20.3	30.5

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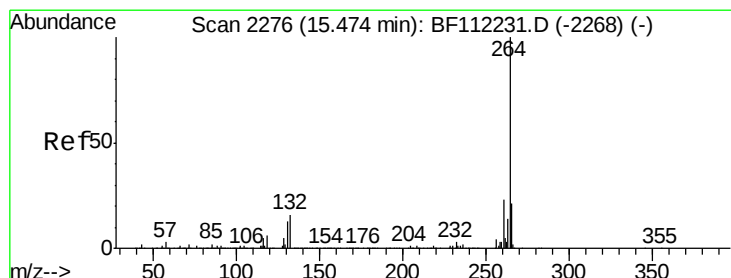
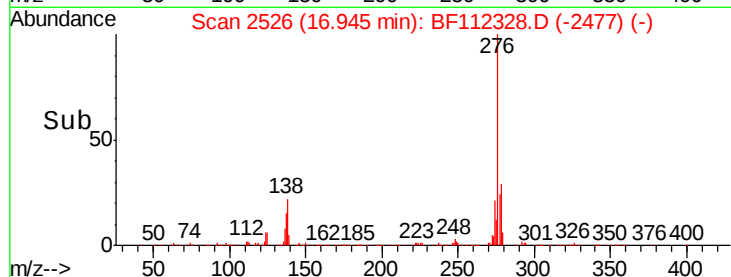
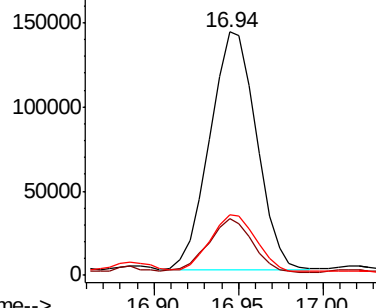


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

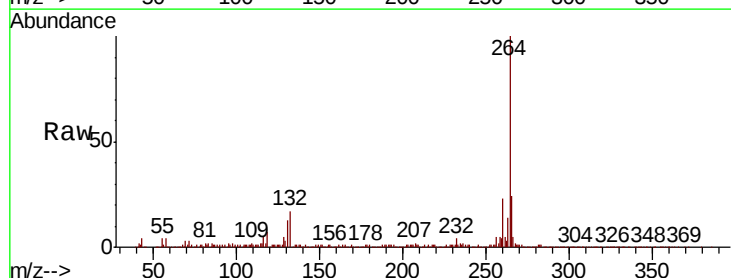
RT: 15.47 min Scan# 2276

Delta R.T. 0.00 min

Lab File: BF112328.D

Acq: 30 Jan 2019 18:14

Tgt Ion:	264	Resp:	366891
Ion Ratio		Lower	Upper
264	100		
260	23.4	18.2	27.2
265	23.7	17.0	25.4

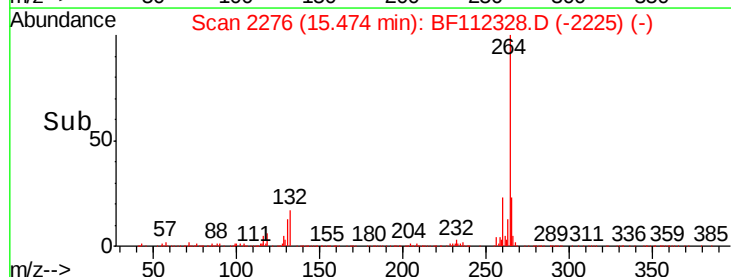
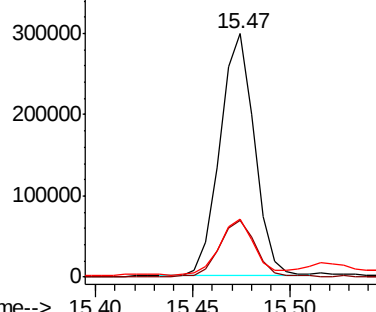


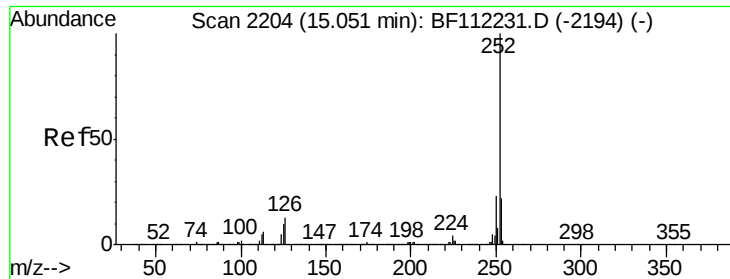
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





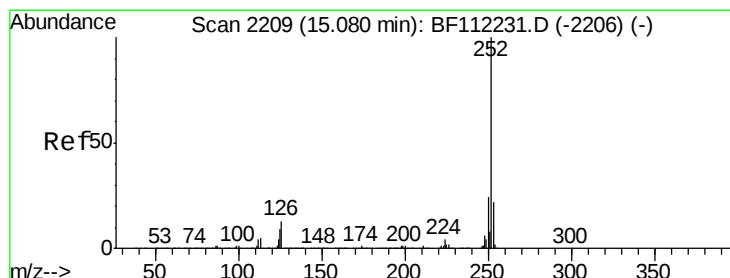
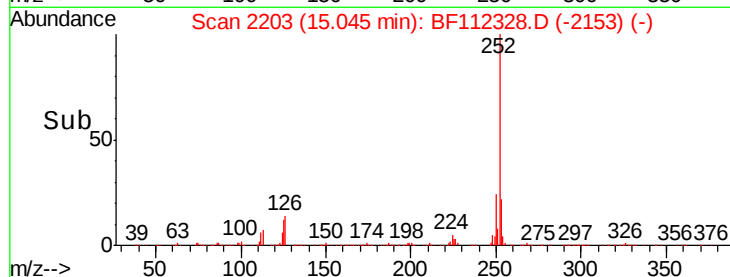
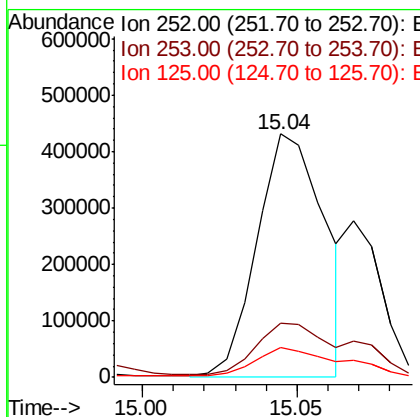
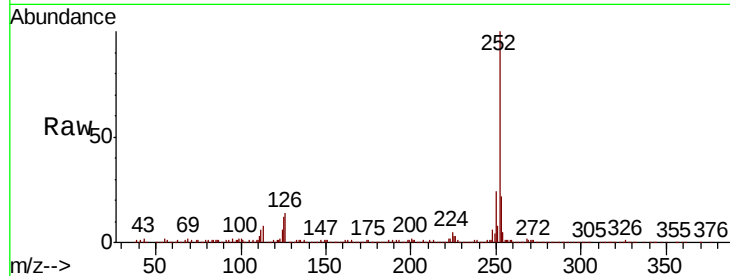
#88
Benzo(b)fluoranthene
Concen: 29.820 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF112328.D
Acq: 30 Jan 2019 18:14

Instrument :
BNA_F
ClientSampled :
TP-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.0	27.0
125	12.2	8.7	13.1

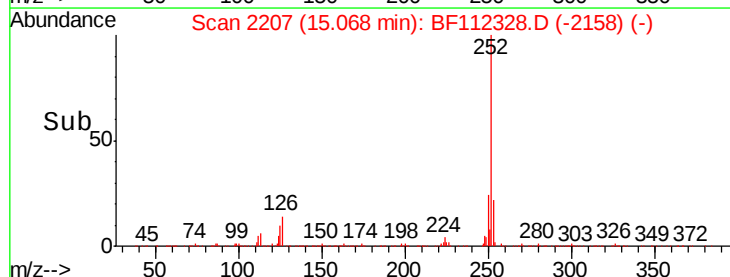
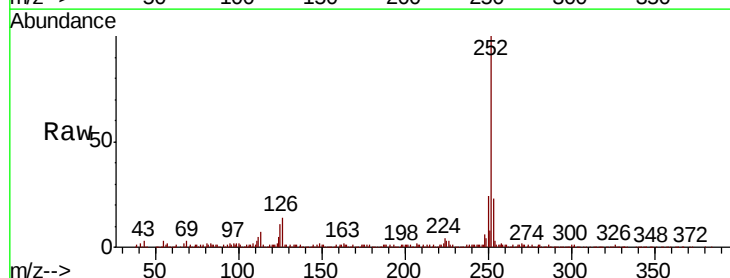
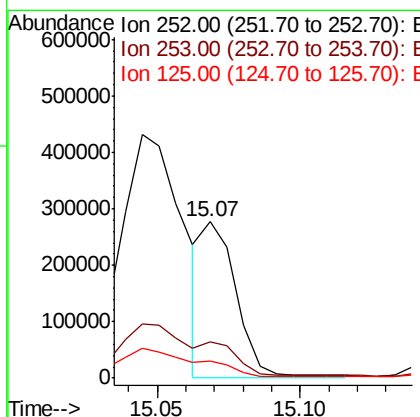
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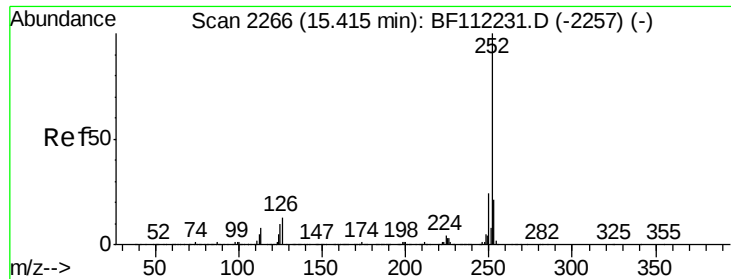
mohammad
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#89
Benzo(k)fluoranthene
Concen: 10.951 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF112328.D
Acq: 30 Jan 2019 18:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.0	27.0
125	10.8	9.1	13.7





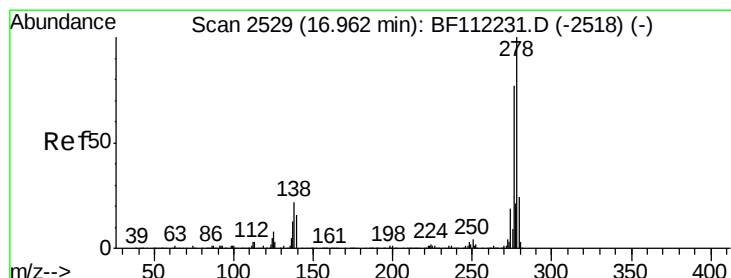
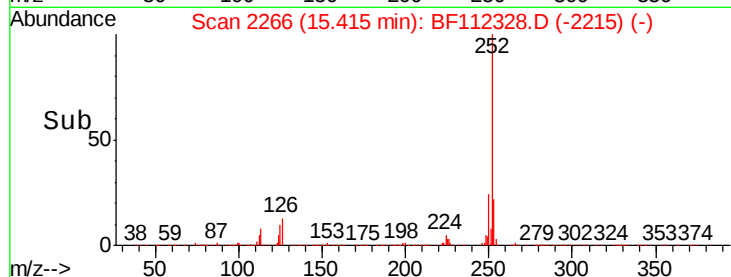
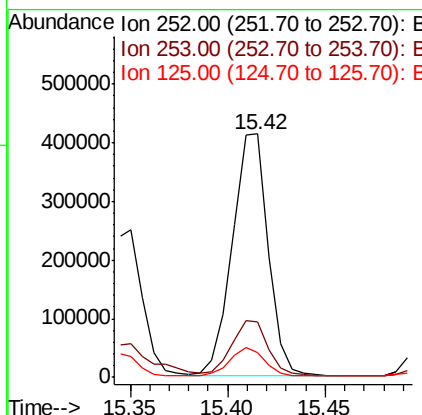
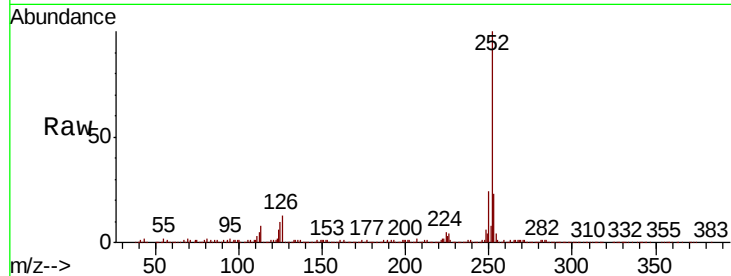
#90
Benzo(a)pyrene
Concen: 26.819 ng
RT: 15.42 min Scan# 2266
Delta R.T. 0.00 min
Lab File: BF112328.D
Acq: 30 Jan 2019 18:14

Instrument :
BNA_F
ClientSampled :
TP-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	10.4	9.0	13.4

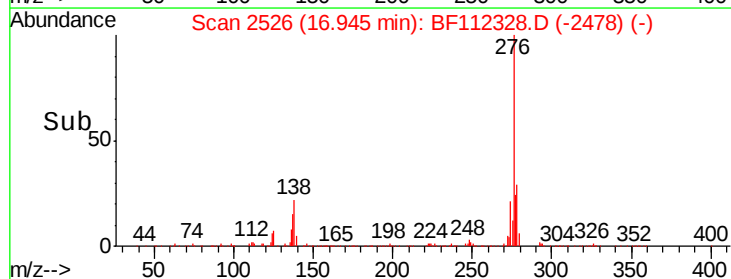
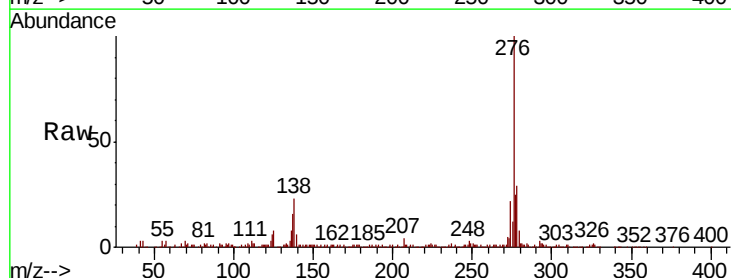
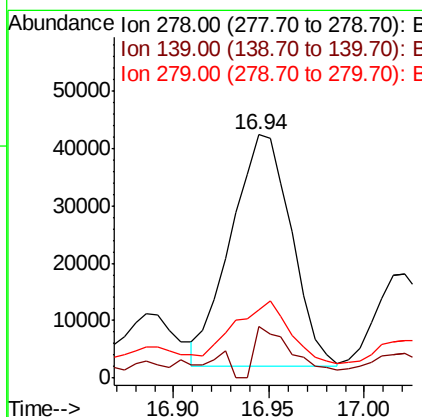
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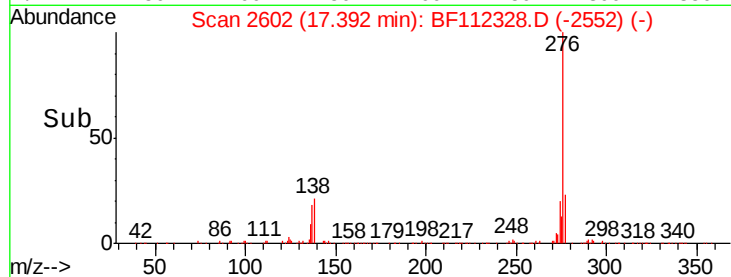
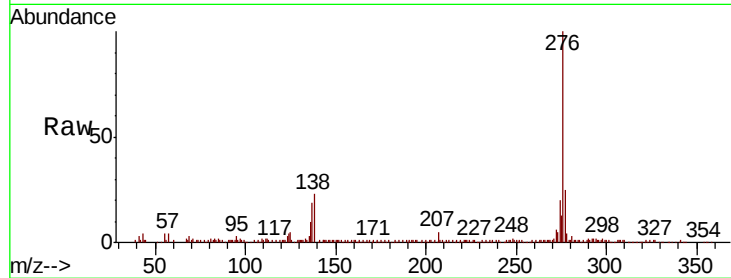
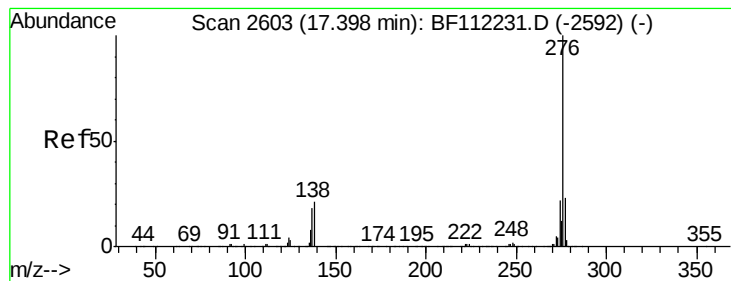
mohammad
2/1/2019 12:06:35 AM



#91
Dibenzo(a,h)anthracene
Concen: 5.551 ng m
RT: 16.94 min Scan# 2526
Delta R.T. -0.02 min
Lab File: BF112328.D
Acq: 30 Jan 2019 18:14

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.1	13.7	20.5#
279	28.1	19.0	28.6





#92

Benzo(a,h,i)perylene

Concen: 15.421 ng

RT: 17.39 min Scan# 2602

Delta R.T. -0.01 min

Lab File: BF112328.D

Acq: 30 Jan 2019 18:14

Tot Ion:	276	Resp:	231500
Ion Ratio	Lower	Upper	
276	100		
277	24.7	19.4	29.0
138	23.2	19.1	28.7

Instrument :

BNA_F

ClientSampleId :

TP-1

Manual Integrations
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