

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\
 Data File : BF112975.D
 Acq On : 12 Mar 2019 00:38
 Operator : JU/SJ
 Sample : K1837-03 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MR-MH-10-COMP

Manual Integrations
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 3/12/2019 4:28:59 PM

Quant Time: Mar 12 07:04:02 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	147441	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	555900	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	338933	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	695412	20.00	ng	0.00
76) Chrysene-d12	13.87	240	470341	20.00	ng	0.00
87) Perylene-d12	15.27	264	397469	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	249784	26.35	ng	-0.01
7) Phenol-d6	6.36	99	336184	28.24	ng	0.00
23) Nitrobenzene-d5	7.29	82	190485	20.50	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	127449	35.42	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	430473	16.32	ng	-0.01
79) Terphenyl-d14	12.82	244	425093	17.52	ng	-0.01
Target Compounds						
52) Acenaphthene	9.79	154	46792	2.183	ng	Qvalue 100
71) Phenanthrene	11.26	178	780166	22.548	ng	99
72) Anthracene	11.32	178	161131	4.449	ng	97
75) Fluoranthene	12.45	202	1381625	37.271	ng	97
78) Pyrene	12.67	202	1179944	29.758	ng	99
81) Benzo(a)anthracene	13.86	228	543650	16.677	ng	99
83) Chrysene	13.89	228	476650	14.928	ng	98
86) Indeno(1,2,3-cd)pyrene	16.63	276	196137m	7.205	ng	
88) Benzo(b)fluoranthene	14.87	252	580051m	22.562	ng	
89) Benzo(k)fluoranthene	14.90	252	183796m	7.892	ng	
90) Benzo(a)pyrene	15.22	252	390923m	17.191	ng	
91) Dibenzo(a,h)anthracene	16.64	278	48084	2.478	ng	# 93
92) Benzo(a,h,i)perylene	17.04	276	191508	9.828	ng	95

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

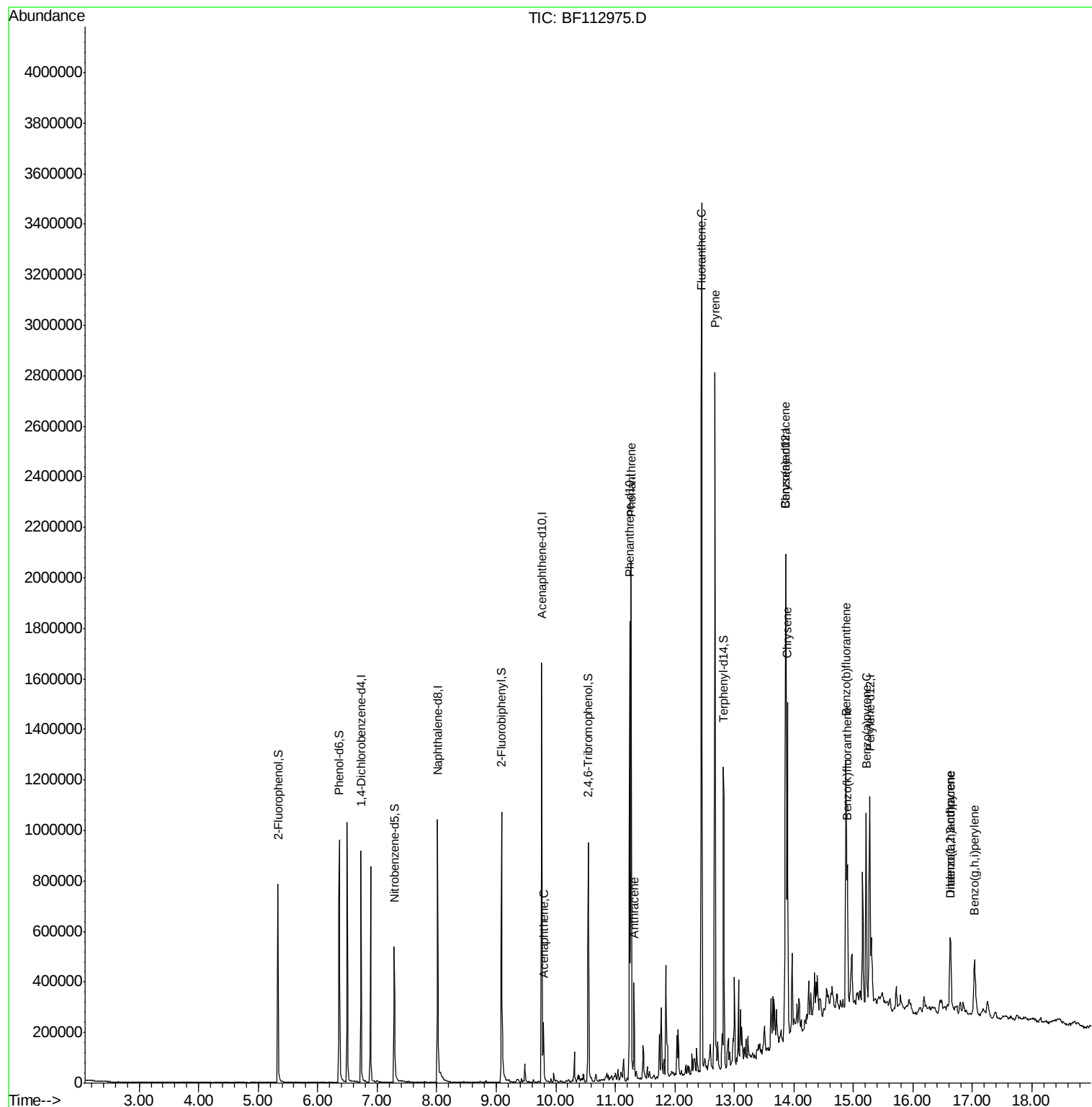
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\
Data File : BF112975.D
Acq On : 12 Mar 2019 00:38
Operator : JU/SJ
Sample : K1837-03 5X
Misc :
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Manual Integrations
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
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#1

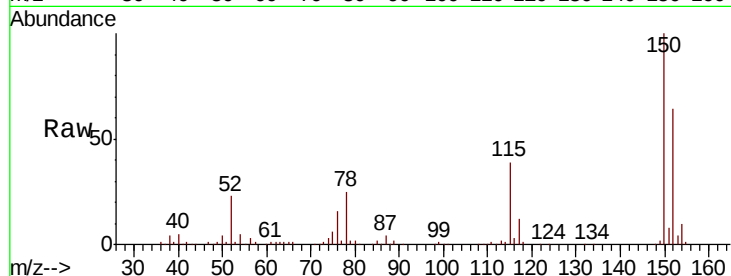
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF112975.D
Acq: 12 Mar 2019 00:38

Instrument :
BNA_F
ClientSampleId :
MR-MH-10-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.2	186.2
115	60.8	48.2	72.4

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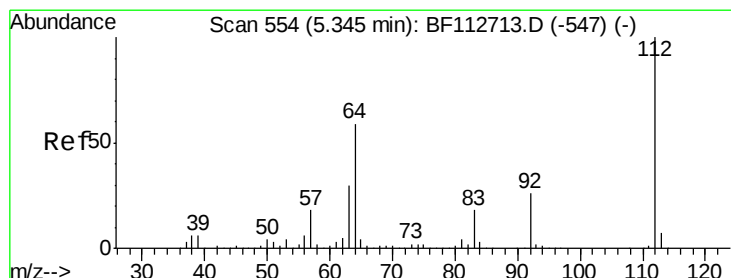
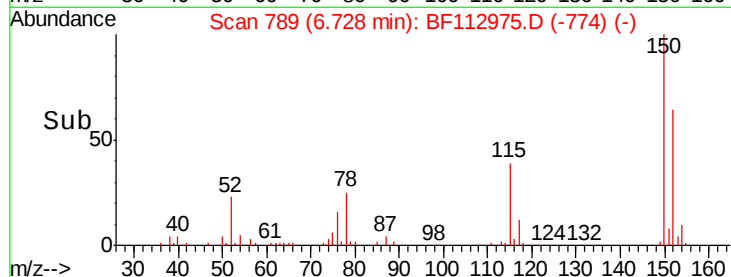
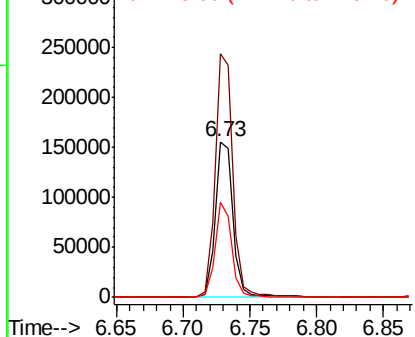


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

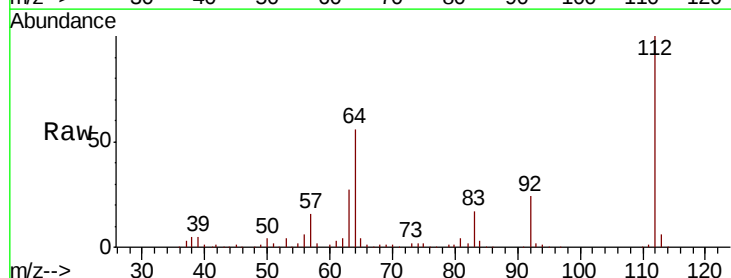
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 26.353 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.01 min
Lab File: BF112975.D
Acq: 12 Mar 2019 00:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.9	47.6	71.4
63	26.9	24.4	36.6

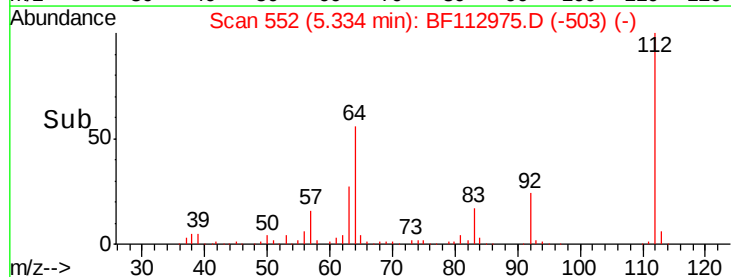
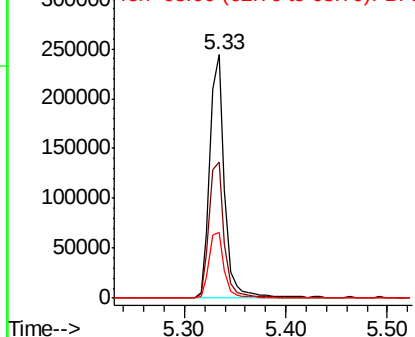


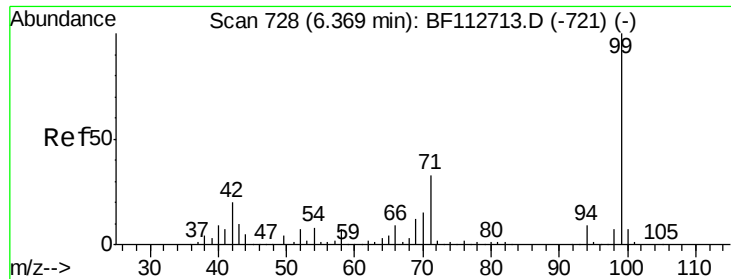
Abundance

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: 28.235 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF112975.D

Acq: 12 Mar 2019 00:38

Instrument :

BNA_F

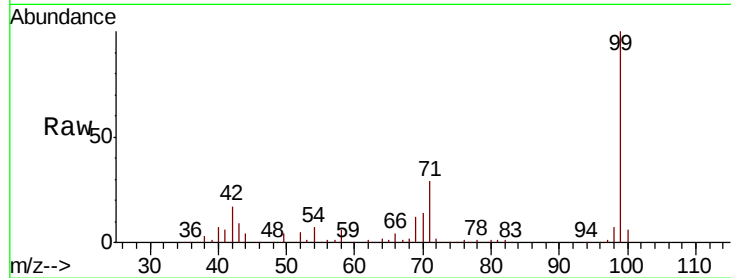
ClientSampleId :

MR-MH-10-COMP

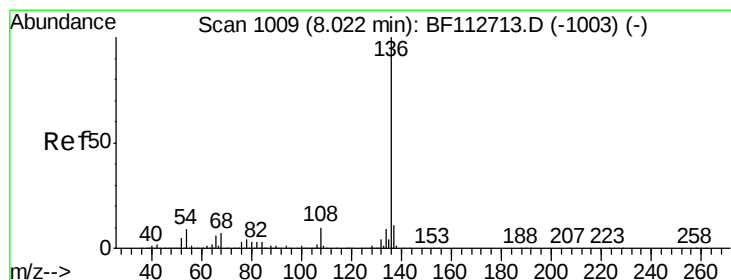
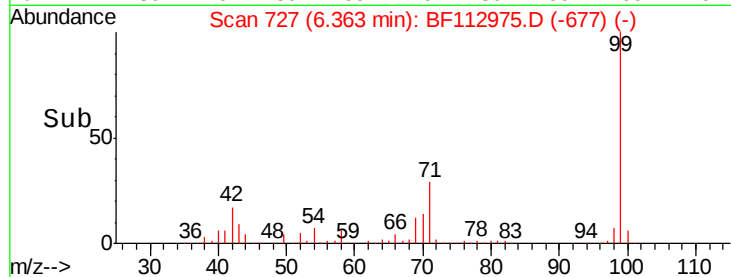
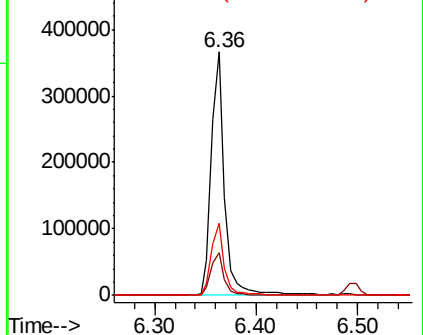
Tot Ion:	99	Resp:	336184
Ion Ratio	Lower	Upper	
99	100		
42	17.5	16.3	24.5
71	29.5	26.2	39.4

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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: 8.02 min Scan# 1008

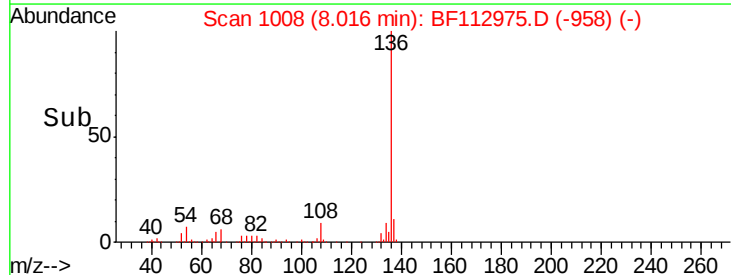
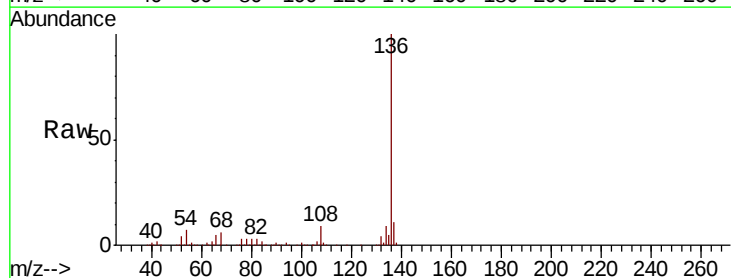
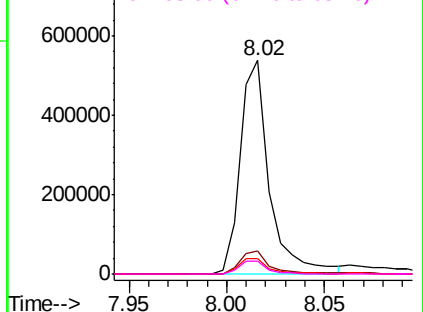
Delta R.T. -0.01 min

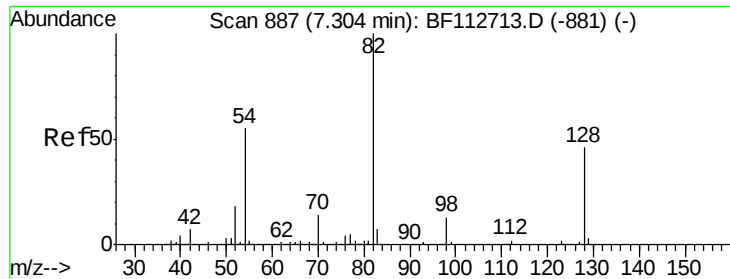
Lab File: BF112975.D

Acq: 12 Mar 2019 00:38

Tgt Ion:	136	Resp:	555900
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	7.4	7.3	10.9
68	5.8	5.4	8.2

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





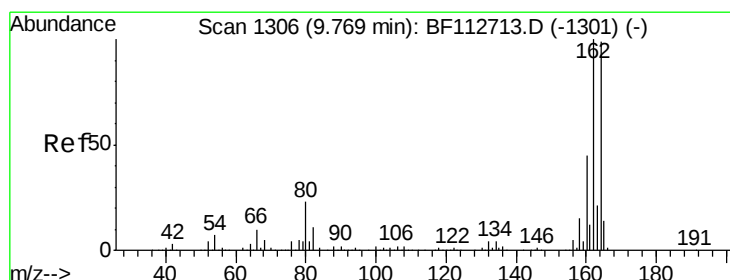
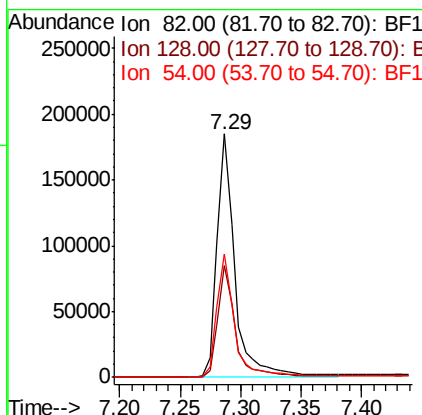
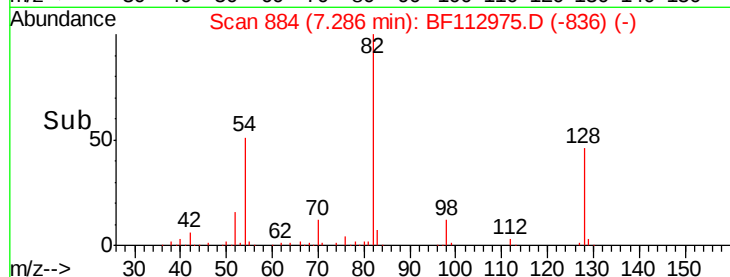
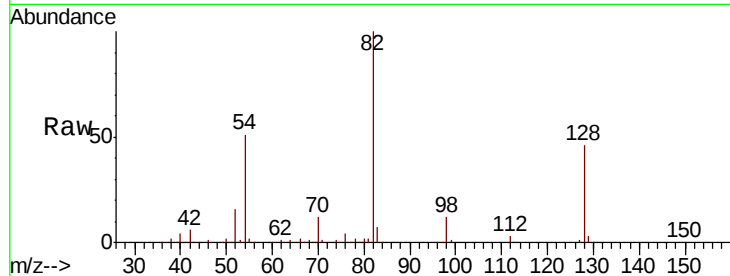
#23
Nitrobenzene-d5
Concen: 20.504 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF112975.D
Acq: 12 Mar 2019 00:38

Instrument :
BNA_F
ClientSampleId :
MR-MH-10-COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.8	36.3	54.5
54	50.6	43.7	65.5

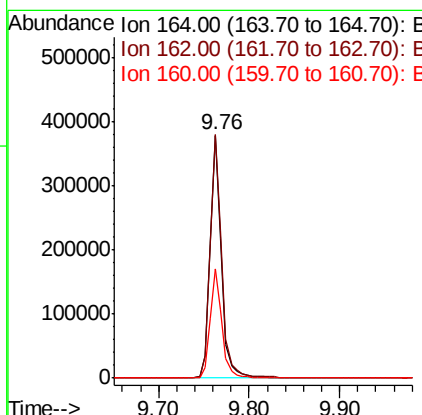
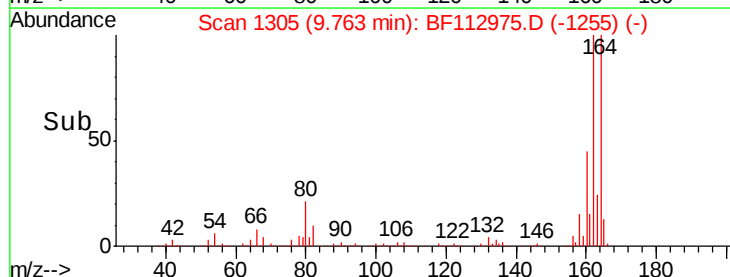
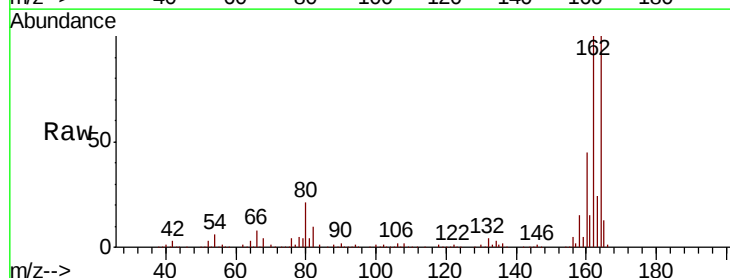
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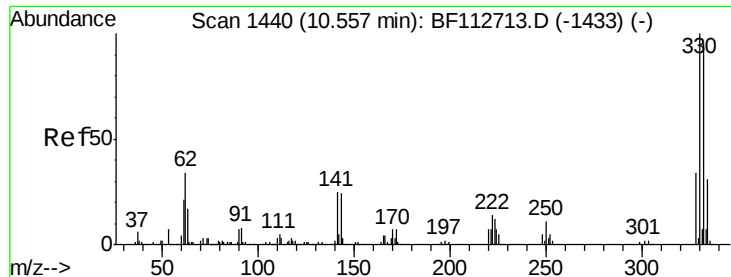
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF112975.D
Acq: 12 Mar 2019 00:38

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.3	80.6	120.8
160	45.2	36.0	54.0





#42

2,4,6-Tribromophenol

Concen: 35.420 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF112975.D

Acq: 12 Mar 2019 00:38

Instrument :

BNA_F

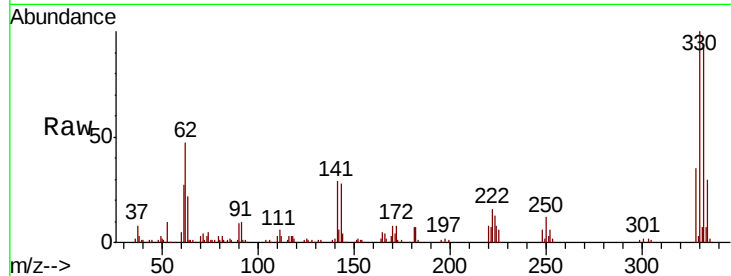
ClientSampleId :

MR-MH-10-COMP

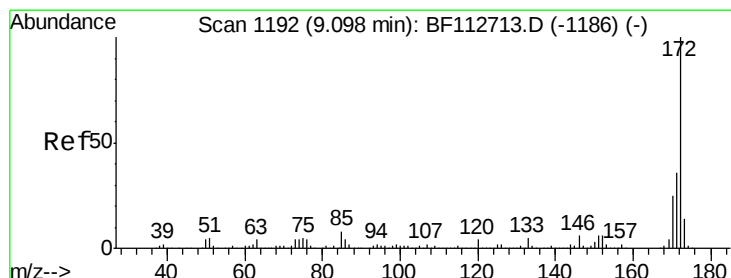
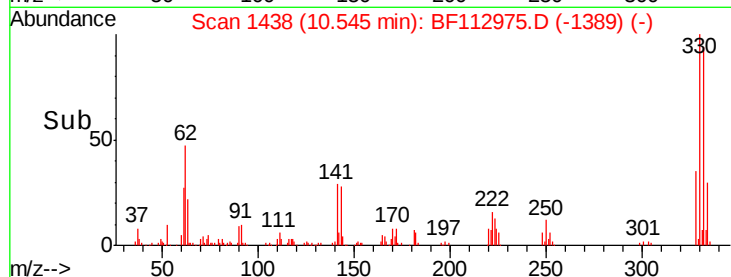
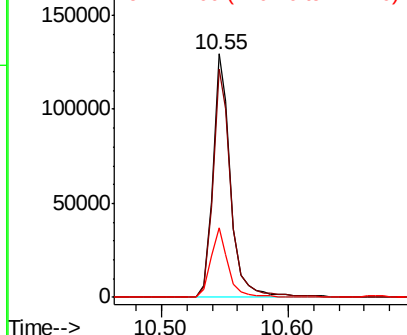
Tot Ion:	330	Resp:	127449
Ion Ratio	Lower	Upper	
330	100		
332	95.9	76.2	114.4
141	28.5	27.0	40.6

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 16.324 ng

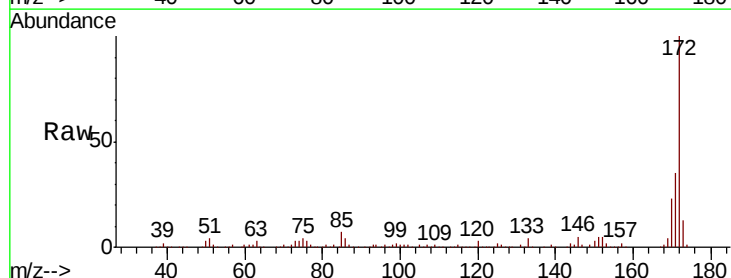
RT: 9.09 min Scan# 1190

Delta R.T. -0.01 min

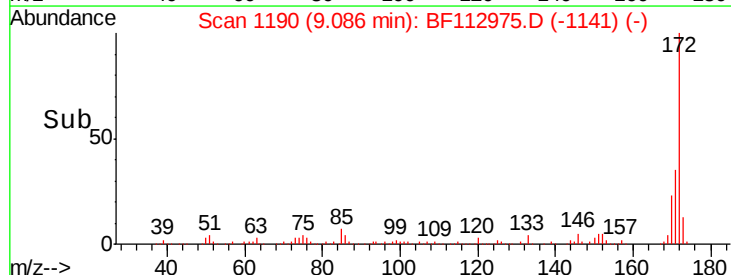
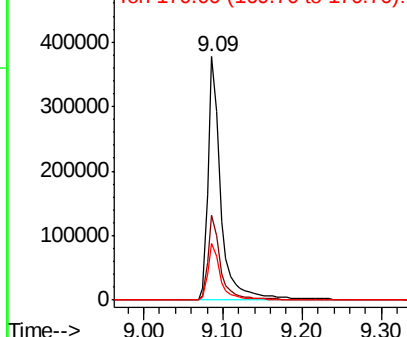
Lab File: BF112975.D

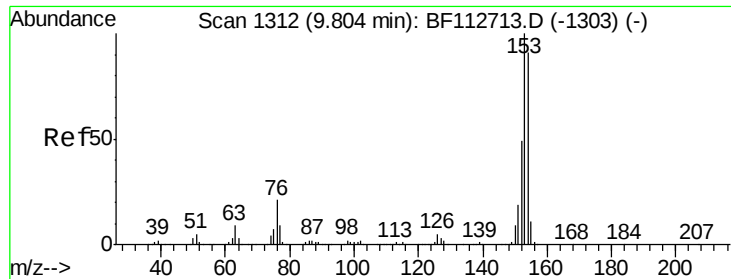
Acq: 12 Mar 2019 00:38

Tgt Ion:	172	Resp:	430473
Ion Ratio	Lower	Upper	
172	100		
171	34.8	29.0	43.4
170	23.3	20.0	30.0



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#52

Acenaphthene

Concen: 2.183 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF112975.D

Acq: 12 Mar 2019 00:38

Instrument :

BNA_F

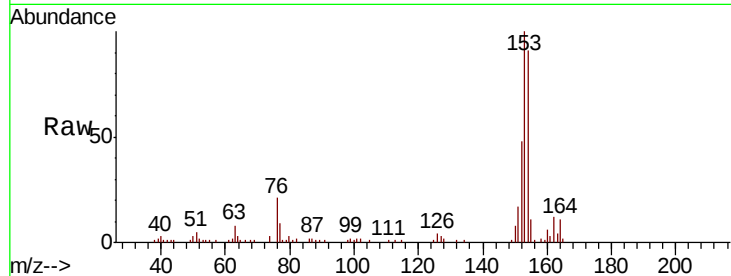
ClientSampleId :

MR-MH-10-COMP

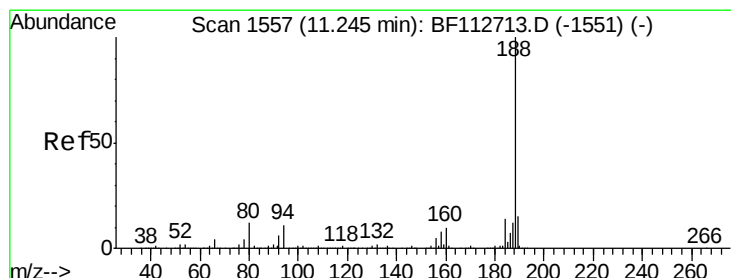
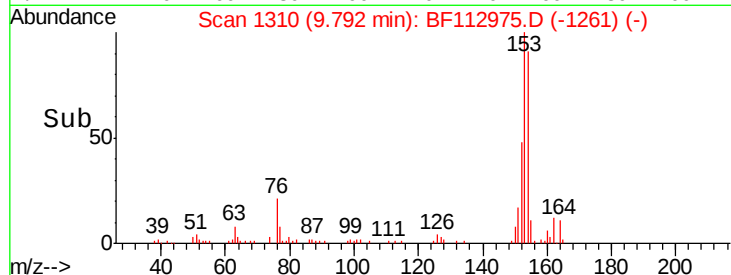
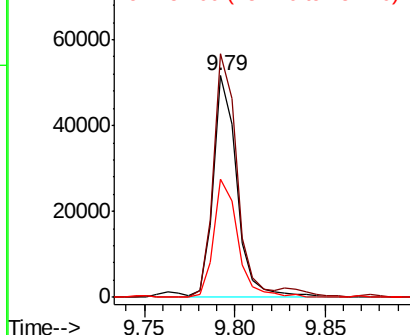
Tot Ion:	154	Resp:	46792
Ion Ratio	Lower	Upper	
154	100		
153	109.9	87.8	131.8
152	53.1	43.0	64.6

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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



#64

Phenanthrene-d10

Concen: 20.000 ng

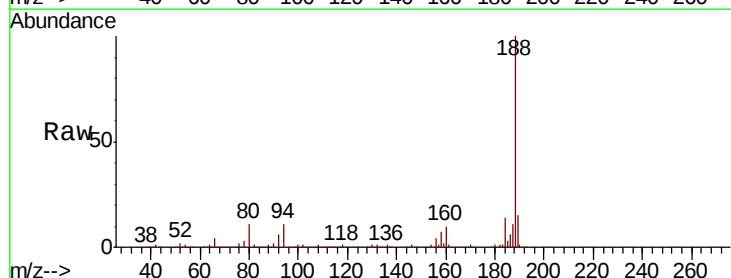
RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

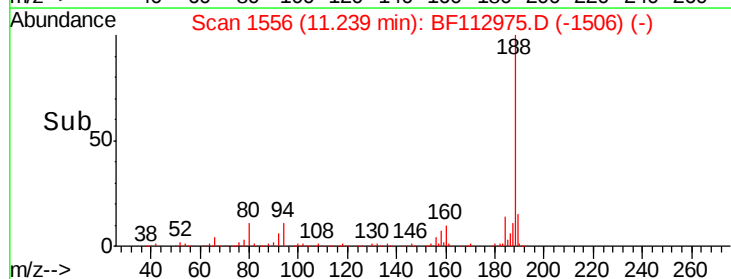
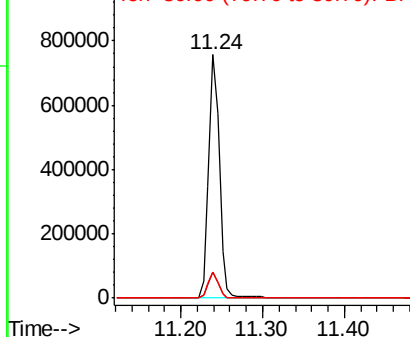
Lab File: BF112975.D

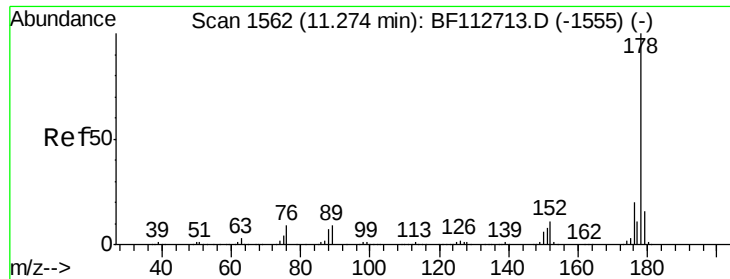
Acq: 12 Mar 2019 00:38

Tgt Ion:	188	Resp:	695412
Ion Ratio	Lower	Upper	
188	100		
94	10.6	9.0	13.4
80	10.8	9.2	13.8



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





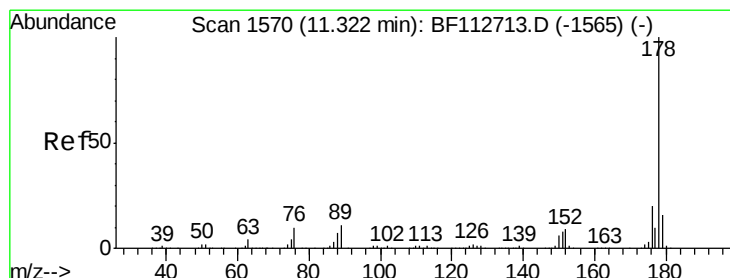
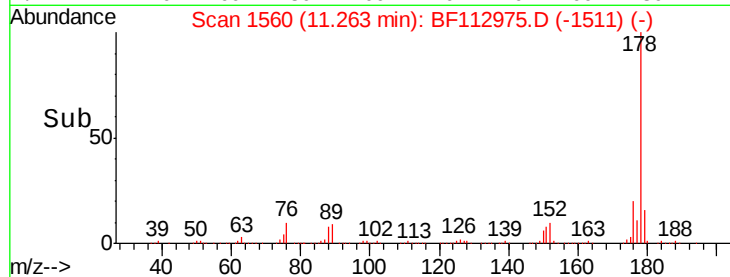
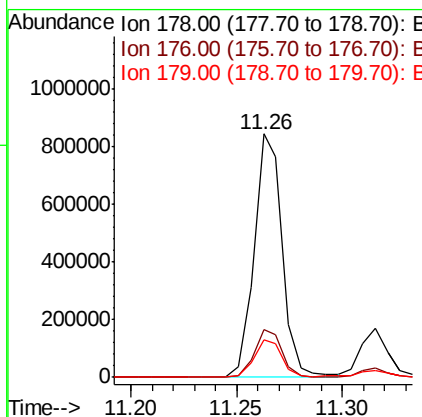
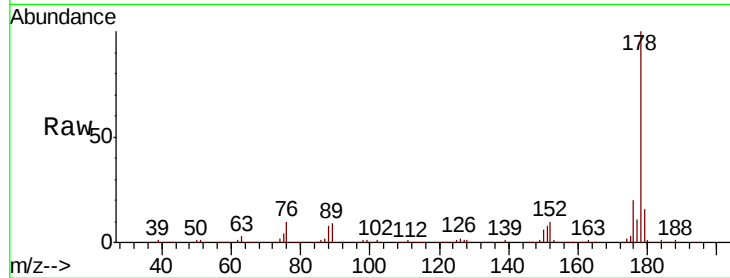
#71
Phenanthrene
Concen: 22.548 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF112975.D
Acq: 12 Mar 2019 00:38

Instrument :
BNA_F
ClientSampleId :
MR-MH-10-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.3	24.5
179	15.6	12.7	19.1

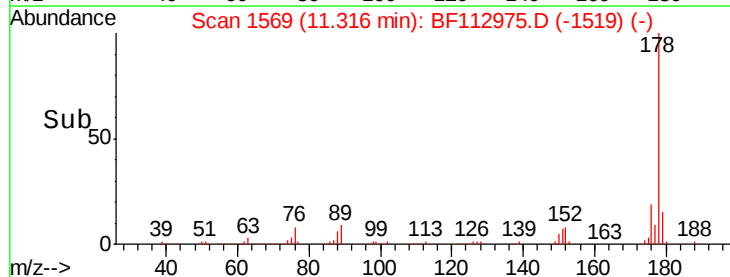
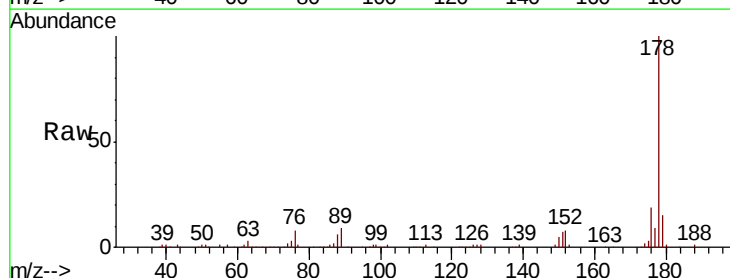
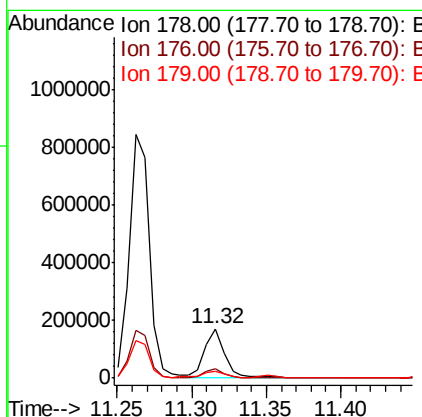
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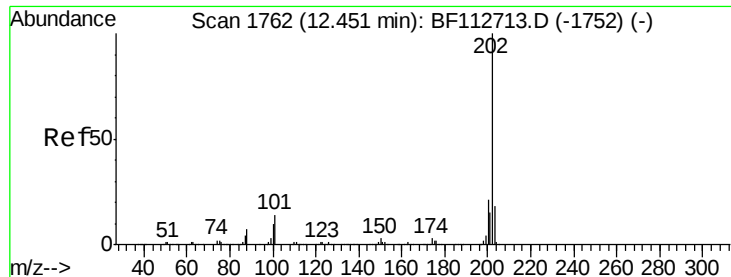
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#72
Anthracene
Concen: 4.449 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF112975.D
Acq: 12 Mar 2019 00:38

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.6
179	15.0	13.0	19.6





#75

Fluoranthene

Concen: 37.271 ng

RT: 12.45 min Scan# 1762

Delta R.T. 0.00 min

Lab File: BF112975.D

Acq: 12 Mar 2019 00:38

Instrument :

BNA_F

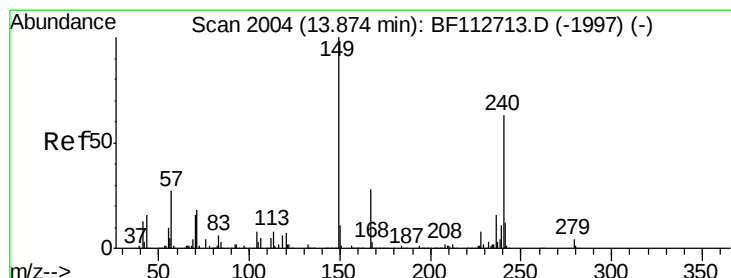
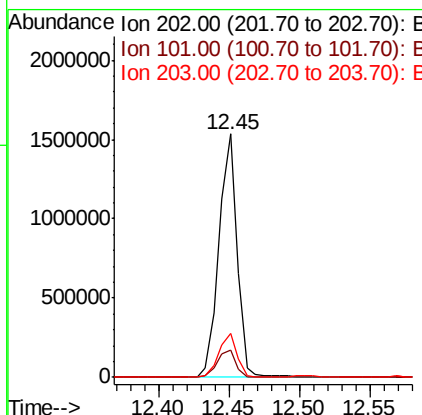
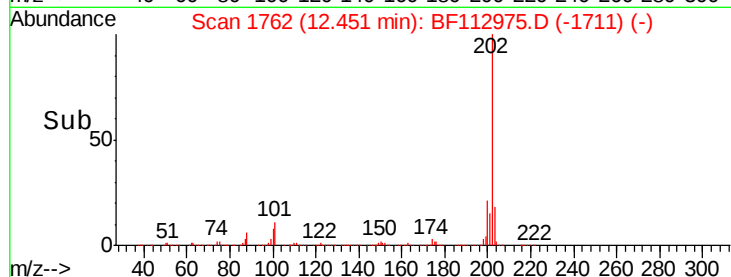
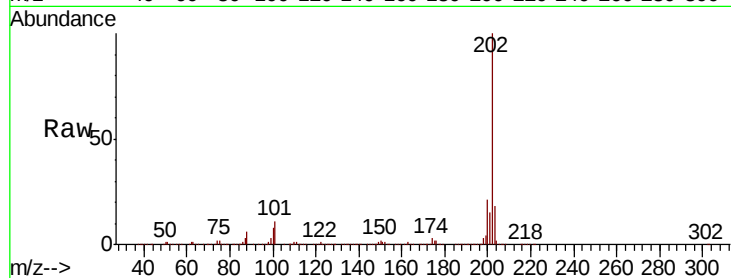
ClientSampleId :

MR-MH-10-COMP

Tot Ion:	202	Resp:	1381625
Ion Ratio		Lower	Upper
202	100		
101	11.2	0.0	33.8
203	18.2	0.0	38.4

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#76

Chrysene-d12

Concen: 20.000 ng

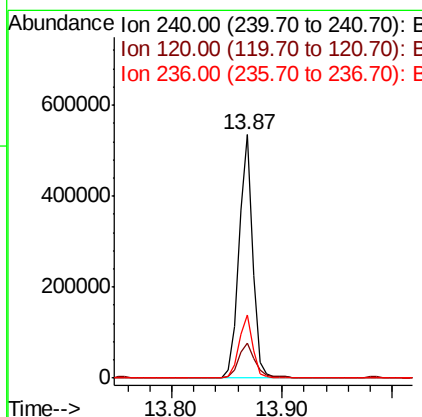
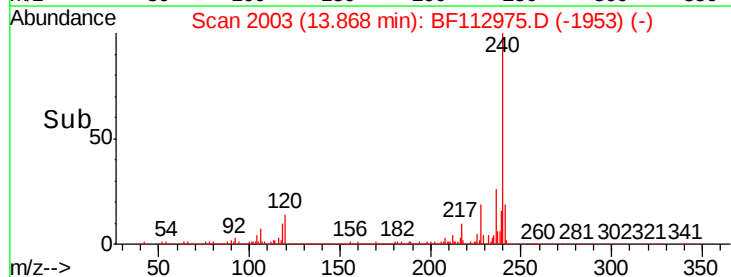
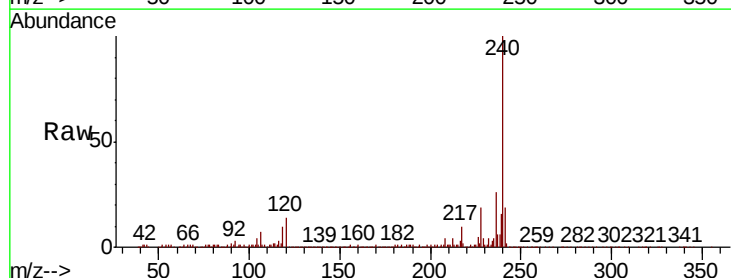
RT: 13.87 min Scan# 2003

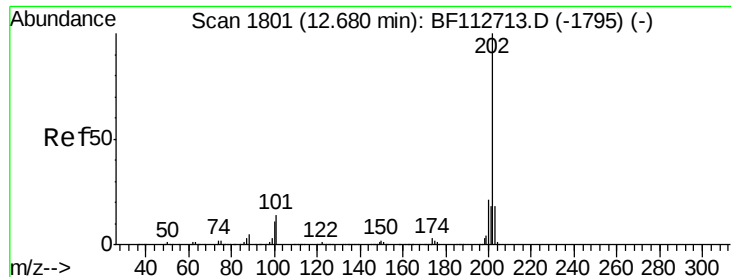
Delta R.T. -0.01 min

Lab File: BF112975.D

Acq: 12 Mar 2019 00:38

Tgt Ion:	240	Resp:	470341
Ion Ratio		Lower	Upper
240	100		
120	14.5	8.9	13.3#
236	25.7	20.7	31.1





#78

Pvrene

Concen: 29.758 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF112975.D

Acq: 12 Mar 2019 00:38

Instrument :

BNA_F

ClientSampleId :

MR-MH-10-COMP

Tot Ion:202 Resp: 1179944

Ion Ratio Lower Upper

202 100

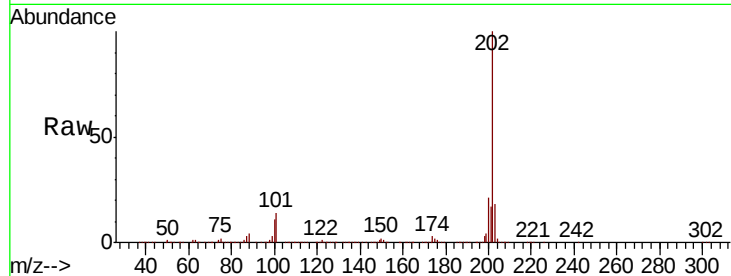
200 20.7 17.0 25.4

203 18.5 14.4 21.6

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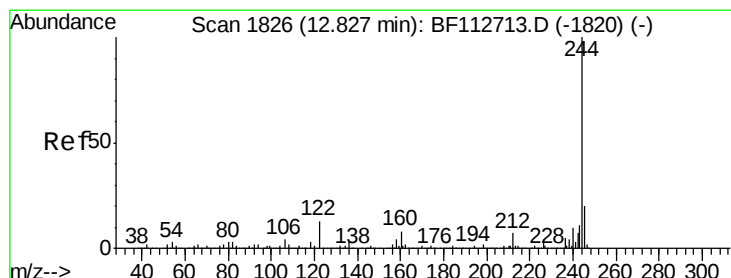
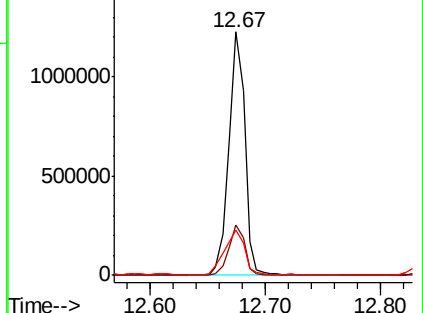
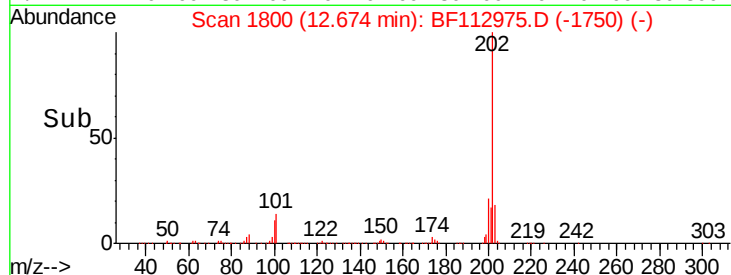
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 17.520 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF112975.D

Acq: 12 Mar 2019 00:38

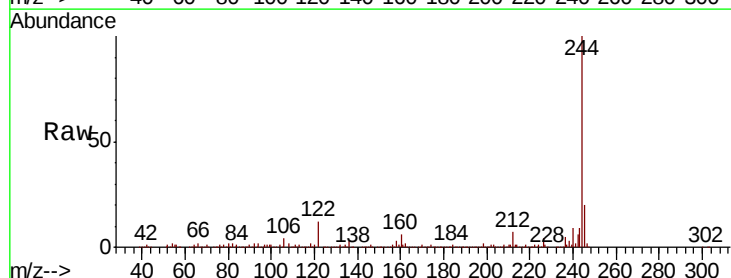
Tgt Ion:244 Resp: 425093

Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

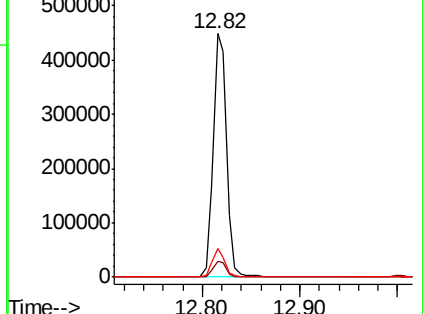
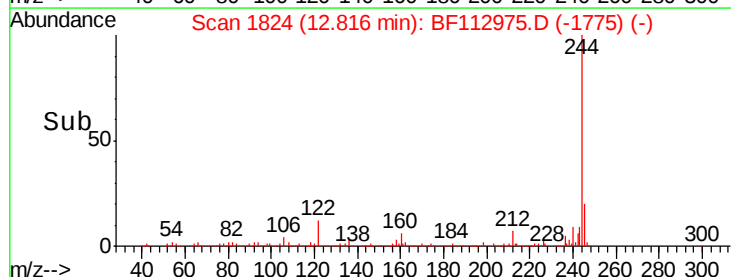
122 11.8 10.5 15.7

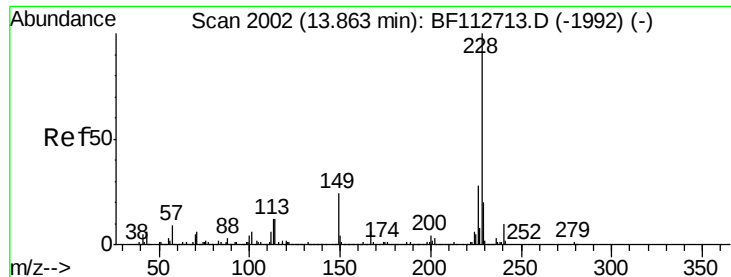


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 16.677 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF112975.D

Acq: 12 Mar 2019 00:38

Instrument :

BNA_F

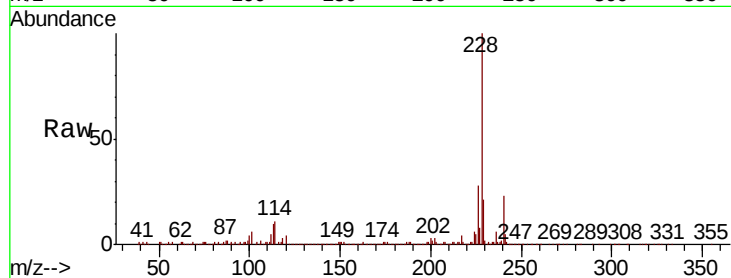
ClientSampleId :

MR-MH-10-COMP

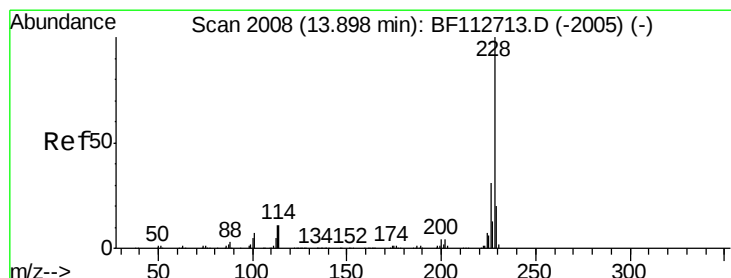
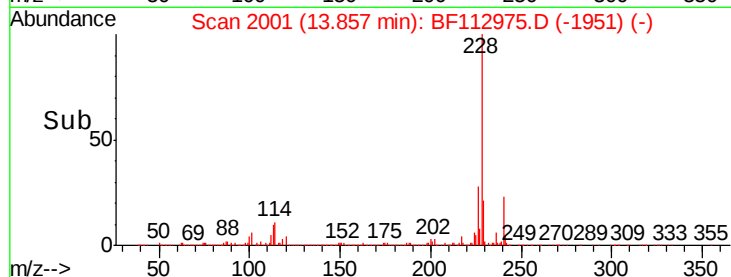
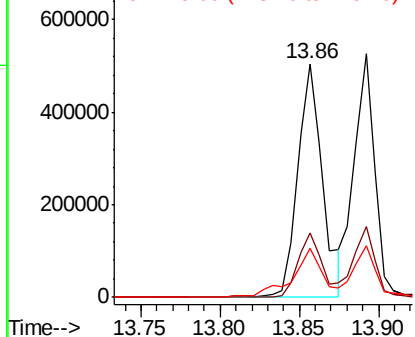
Tot Ion:	228	Resp:	543650
Ion Ratio	Lower	Upper	
228	100		
226	27.7	22.2	33.4
229	21.1	16.0	24.0

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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: 14.928 ng

RT: 13.89 min Scan# 2007

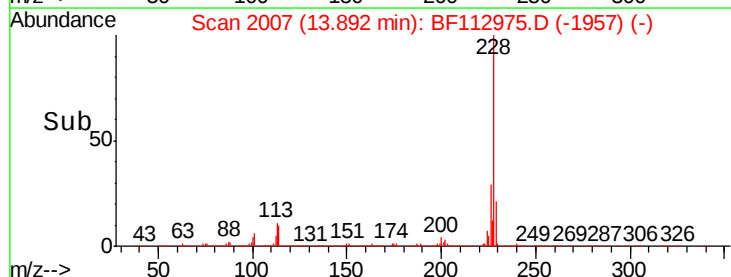
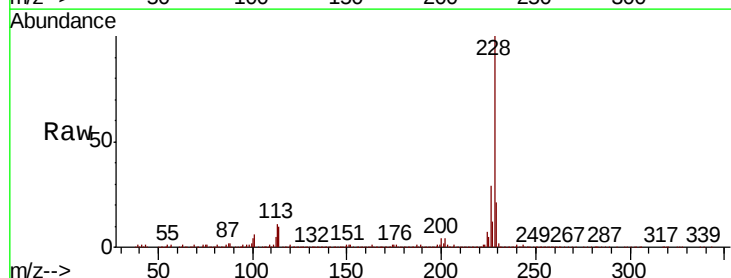
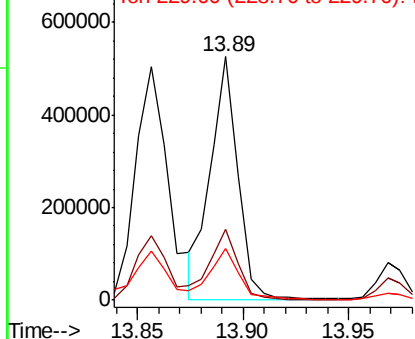
Delta R.T. -0.01 min

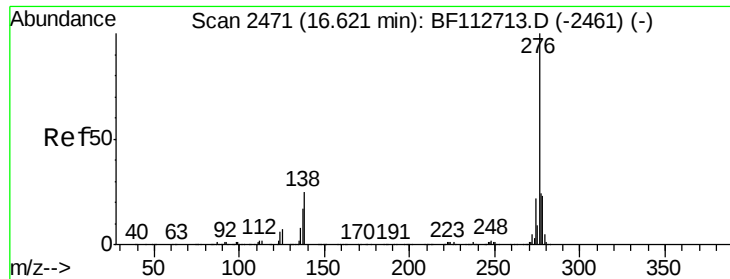
Lab File: BF112975.D

Acq: 12 Mar 2019 00:38

Tgt Ion:	228	Resp:	476650
Ion Ratio	Lower	Upper	
228	100		
226	29.3	24.9	37.3
229	21.0	16.3	24.5

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





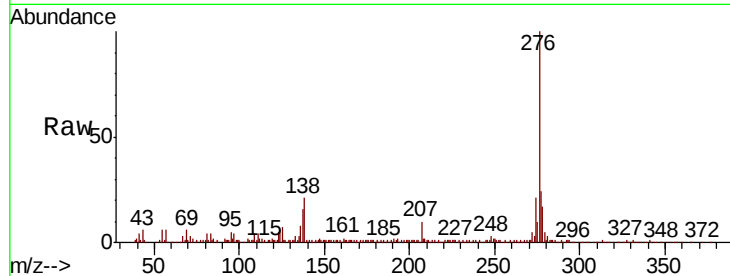
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 7.205 ng/ml
 RT: 16.63 min Scan# 2472
 Delta R.T. 0.01 min
 Lab File: BF112975.D
 Acq: 12 Mar 2019 00:38

Instrument :
 BNA_F
 ClientSampleId :
 MR-MH-10-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	4.4	23.2	34.8#
277	4.0	19.9	29.9#

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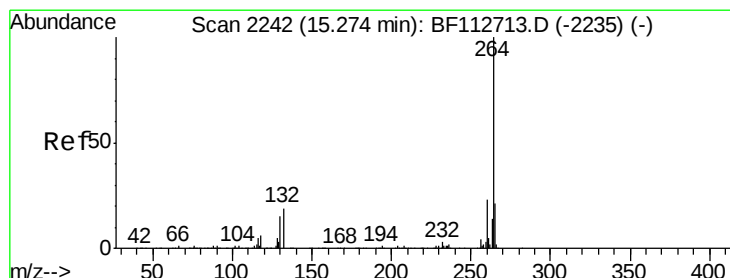
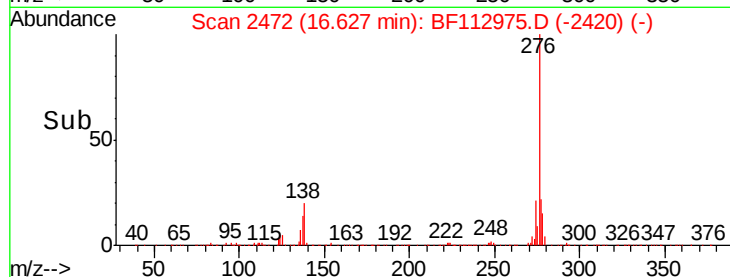
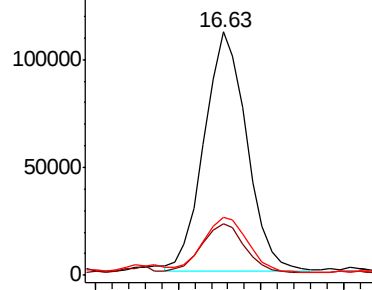


Abundance

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: 15.27 min Scan# 2242
 Delta R.T. 0.00 min
 Lab File: BF112975.D
 Acq: 12 Mar 2019 00:38

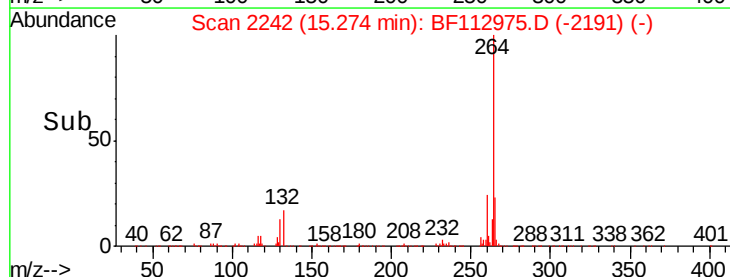
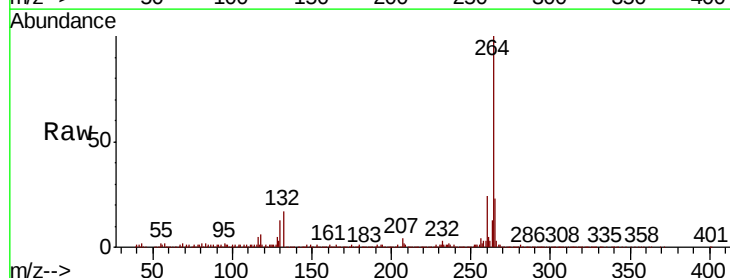
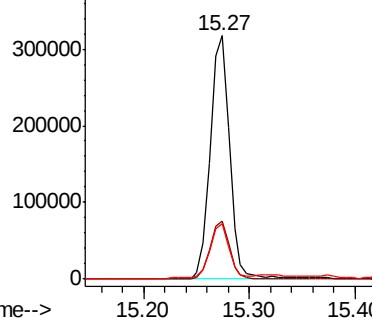
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.7	28.1
265	22.8	17.2	25.8

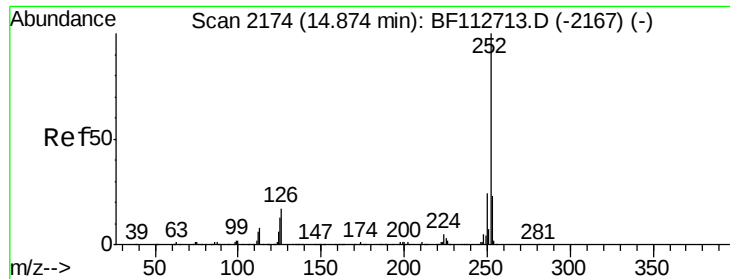
Abundance

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





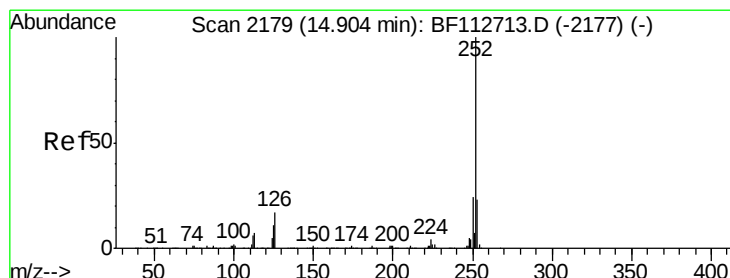
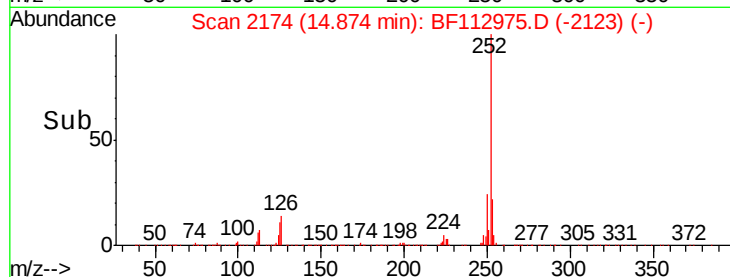
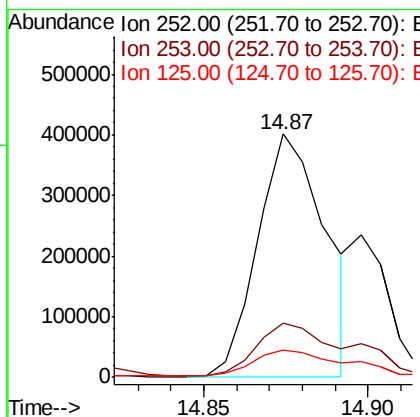
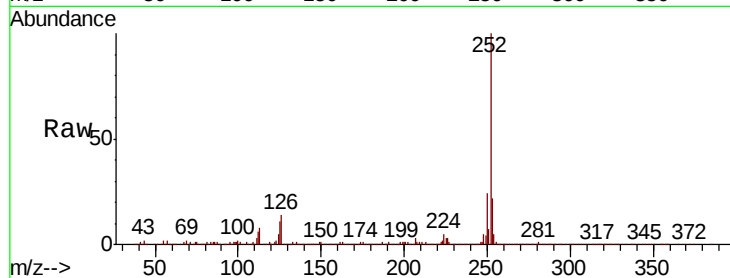
#88
Benzo(b)fluoranthene
Concen: 22.562 ng m
RT: 14.87 min Scan# 2174
Delta R.T. 0.00 min
Lab File: BF112975.D
Acq: 12 Mar 2019 00:38

Instrument :
BNA_F
ClientSampleId :
MR-MH-10-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.0	27.0
125	11.4	10.2	15.2

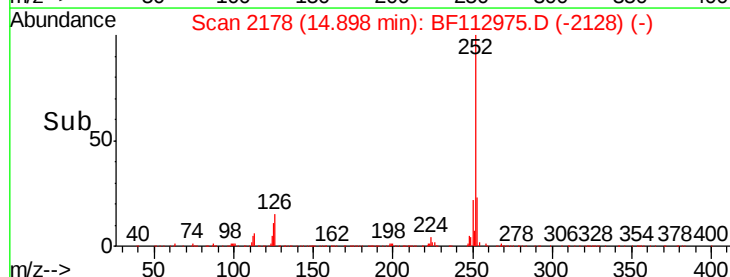
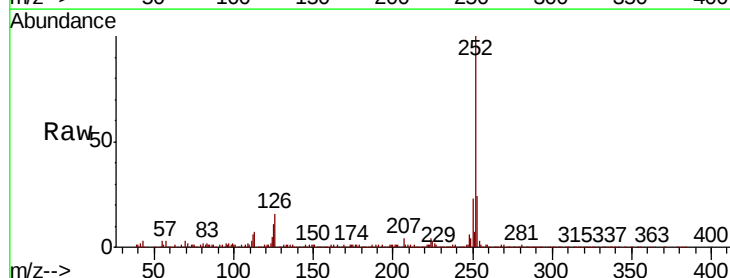
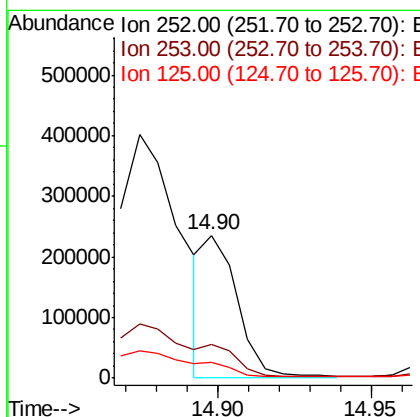
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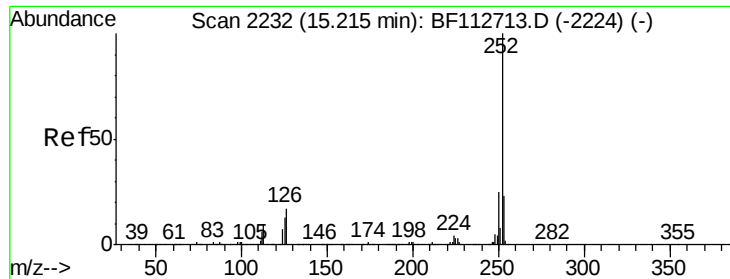
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#89
Benzo(k)fluoranthene
Concen: 7.892 ng m
RT: 14.90 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BF112975.D
Acq: 12 Mar 2019 00:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.2	27.2
125	11.4	9.8	14.6





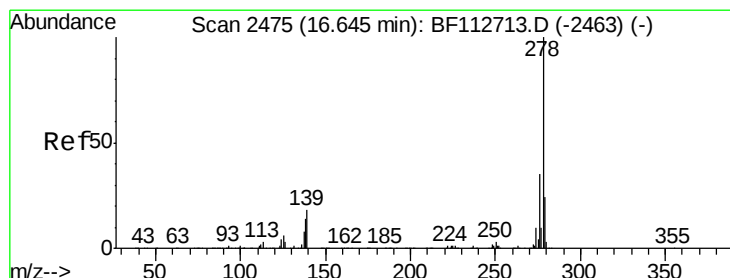
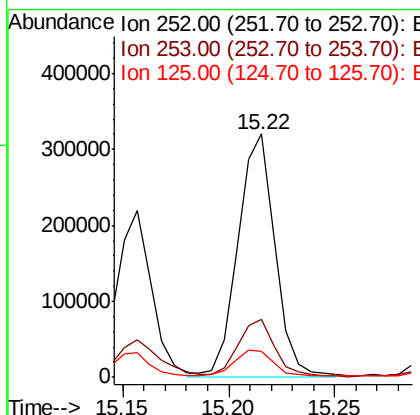
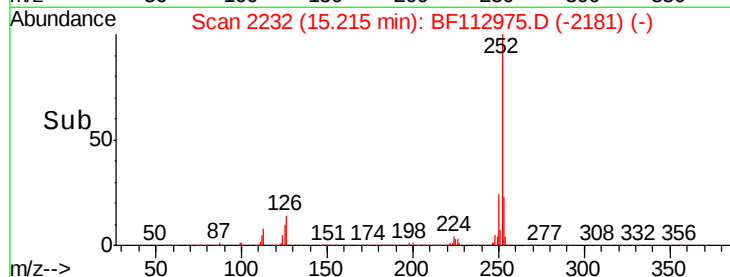
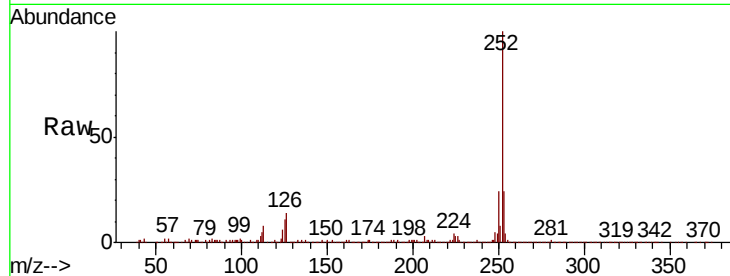
#90
Benzo(a)pyrene
Concen: 17.191 ng/ml
RT: 15.22 min Scan# 2232
Delta R.T. 0.00 min
Lab File: BF112975.D
Acq: 12 Mar 2019 00:38

Instrument :
BNA_F
ClientSampleId :
MR-MH-10-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.0	27.0
125	10.7	10.7	16.1

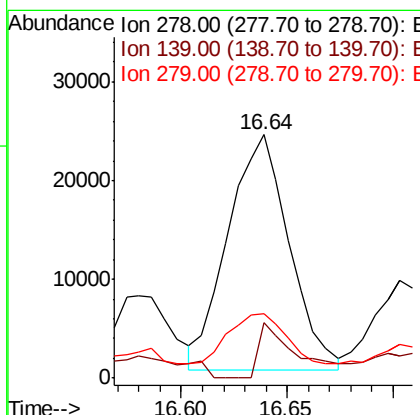
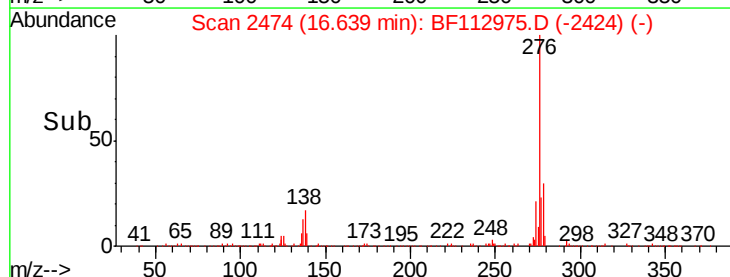
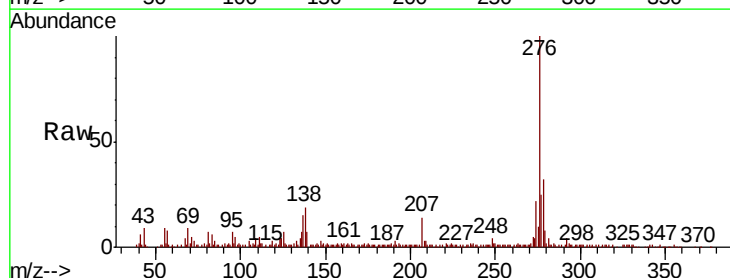
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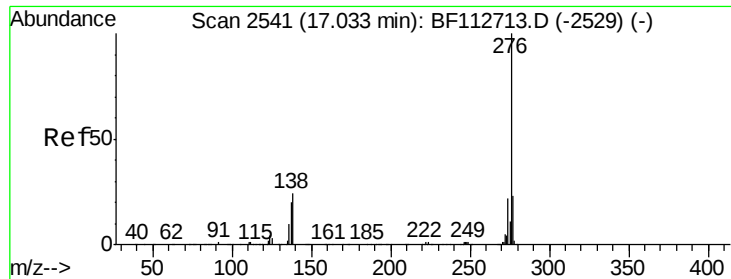
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#91
Dibenzo(a,h)anthracene
Concen: 2.478 ng
RT: 16.64 min Scan# 2474
Delta R.T. -0.01 min
Lab File: BF112975.D
Acq: 12 Mar 2019 00:38

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.6	14.3	21.5
279	26.3	19.4	29.0





#92
 Benzo(a,h,i)perylene
 Concen: 9.828 ng
 RT: 17.04 min Scan# 2542
 Delta R.T. 0.01 min
 Lab File: BF112975.D
 Acq: 12 Mar 2019 00:38

Instrument :
 BNA_F
 ClientSampleId :
 MR-MH-10-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.1	18.6	27.8
138	21.3	19.4	29.0

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