

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
 Data File : BF099880.D
 Acq On : 27 Oct 2017 16:33
 Operator : SJ/JU
 Sample : I6112-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 4-MARION26KV-(2-3)

Manual Integrations
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 10/30/2017 6:16:32 PM

Quant Time: Oct 27 17:43:24 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 27 15:58:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	98085	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	410331	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	192630	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	339067	20.00	ng	0.00
75) Chrysene-d12	13.99	240	202300	20.00	ng	0.00
86) Perylene-d12	15.46	264	204657	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	616342	98.65	ng	0.00
7) Phenol-d6	6.45	99	770183	103.97	ng	0.00
23) Nitrobenzene-d5	7.36	82	462356	72.54	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	169071	96.31	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	893352	71.55	ng	0.00
78) Terphenyl-d14	12.92	244	701254	75.75	ng	0.00
Target Compounds						
10) Phenol	6.45	94	46313	5.694	ng	82
31) Naphthalene	8.10	128	87200	4.402	ng	100
37) 2-Methylnaphthalene	8.79	142	36143	2.723	ng	97
49) Dimethylphthalate	9.56	163	367895	24.117	ng	99
70) Phenanthrene	11.36	178	140067	7.320	ng	96
74) Fluoranthene	12.55	202	213242	10.723	ng	97
77) Pyrene	12.78	202	202990	13.196	ng	99
80) Benzo(a)anthracene	13.97	228	113016	8.813	ng	98
82) Chrysene	14.01	228	106661	8.847	ng	98
85) Indeno(1,2,3-cd)pyrene	16.95	276	83593	7.552	ng	98
87) Benzo(b)fluoranthene	15.03	252	163976m	12.689	ng	
88) Benzo(k)fluoranthene	15.06	252	44081m	3.617	ng	
89) Benzo(a)pyrene	15.40	252	117134	10.090	ng	95
90) Dibenzo(a,h)anthracene	16.94	278	22881	2.218	ng	# 90
91) Benzo(a,h,i)perylene	17.40	276	85411	8.463	ng	# 91

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

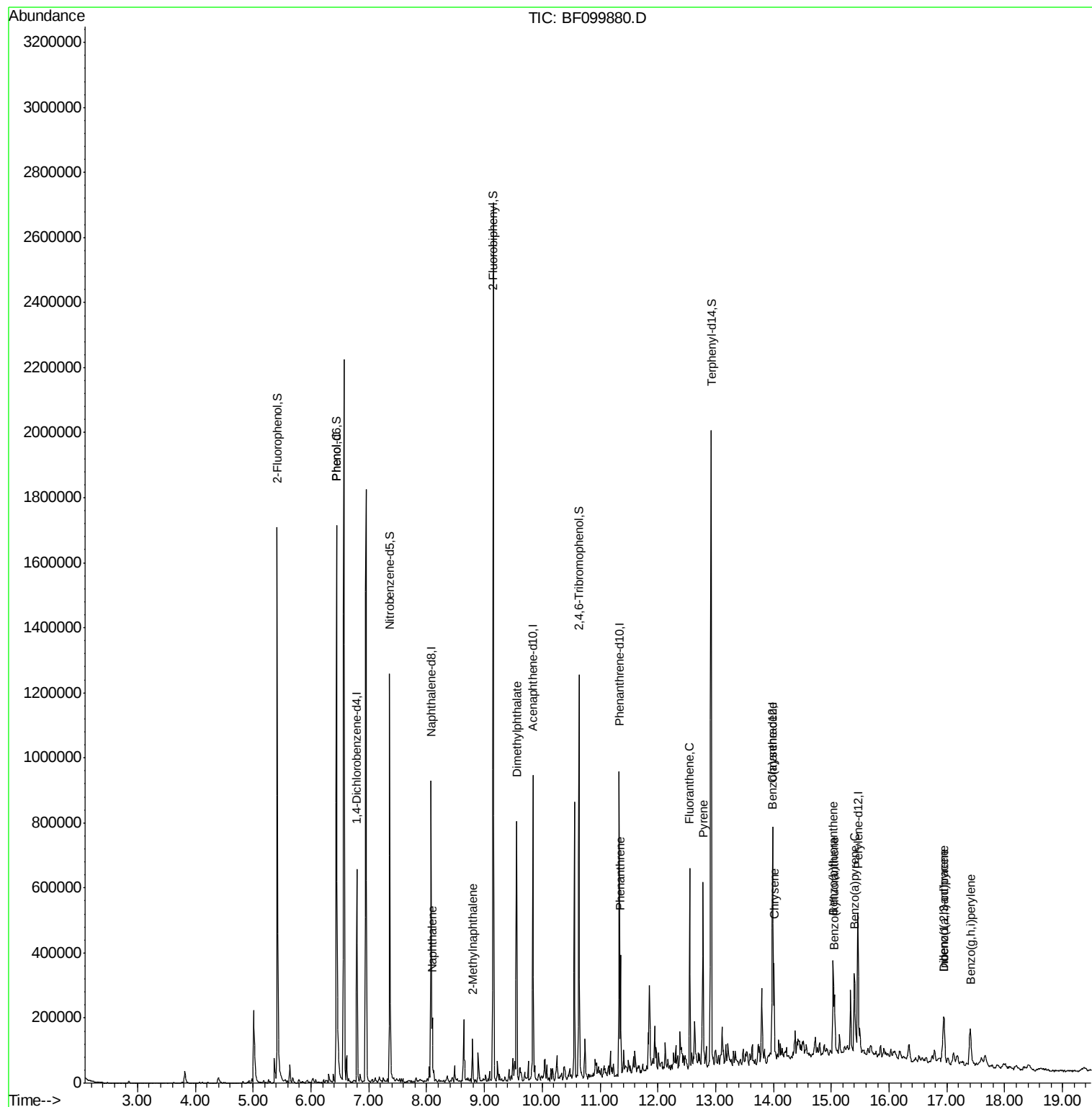
Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
Data File : BF099880.D
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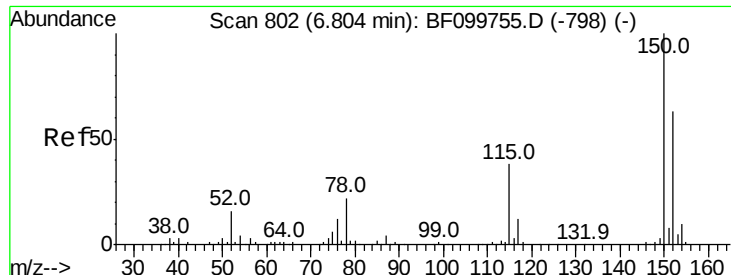
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#1

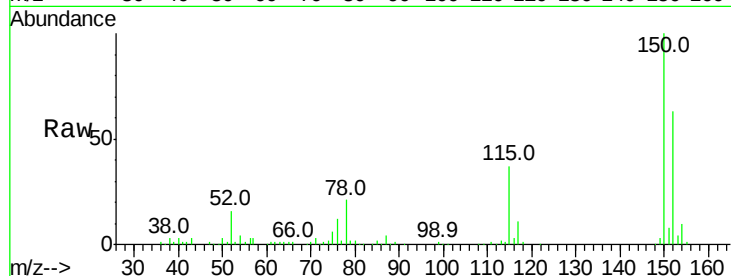
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF099880.D
Acq: 27 Oct 2017 16:33

Instrument :
BNA_F
ClientSampleId :
4-MARION26KV-(2-3)

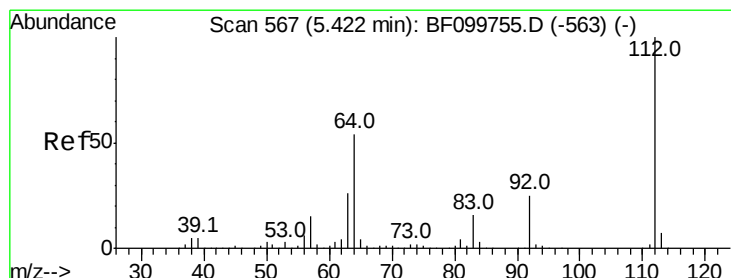
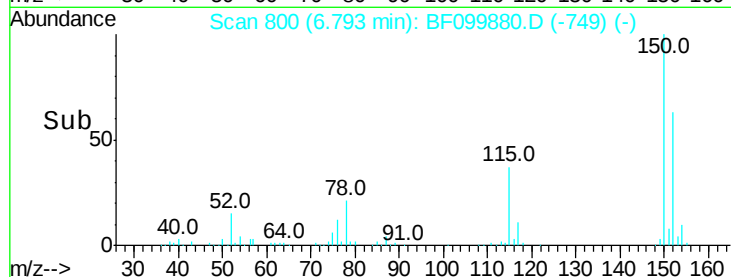
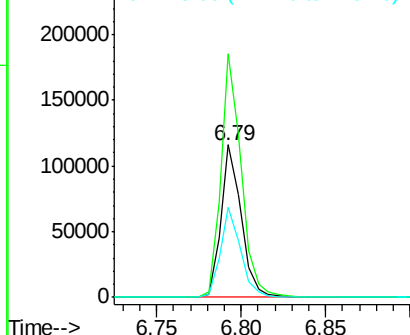
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.7	124.6	186.8
115	58.6	50.1	75.1

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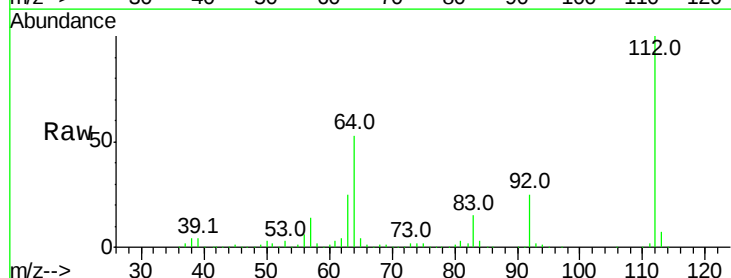
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



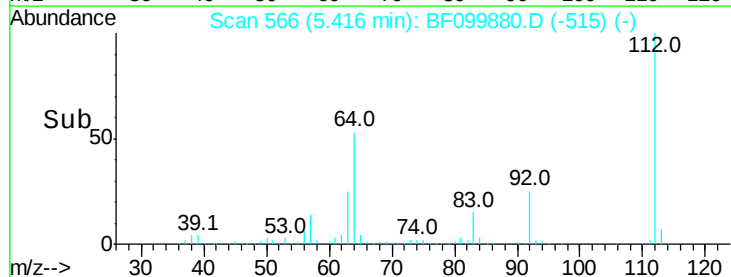
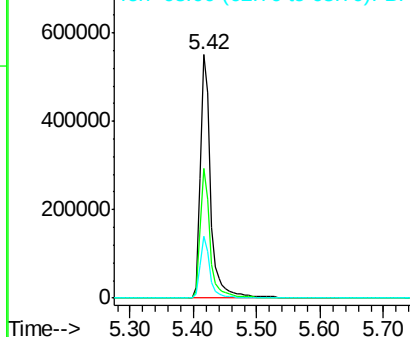
#5

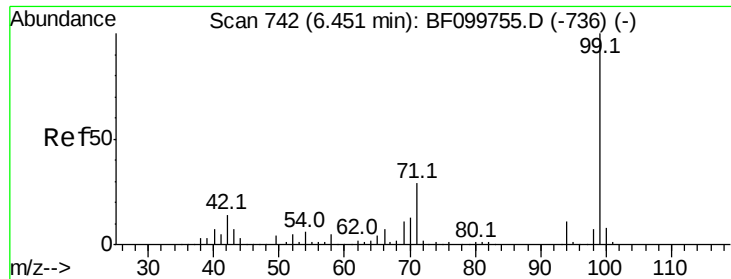
2-Fluorophenol
Concen: 98.653 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.00 min
Lab File: BF099880.D
Acq: 27 Oct 2017 16:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.2	47.9	71.9
63	25.4	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 103.968 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF099880.D

Acq: 27 Oct 2017 16:33

Instrument :

BNA_F

ClientSampleId :

4-MARION26KV-(2-3)

Tot Ion: 99 Resp: 770183

Ion Ratio Lower Upper

99 100

42 13.2 14.5 21.7#

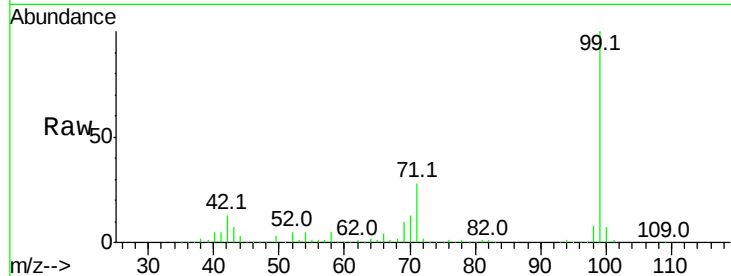
71 28.1 25.4 38.0

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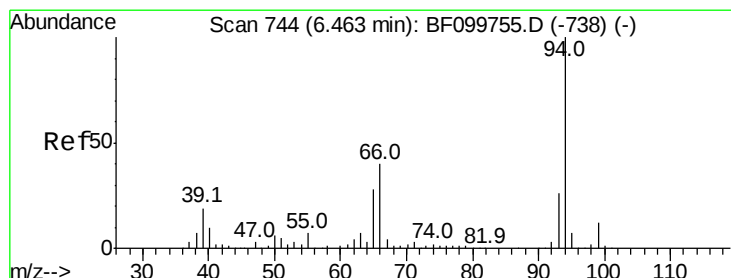
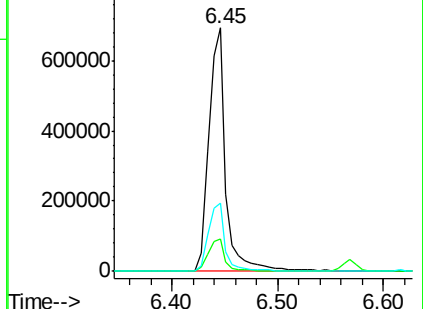
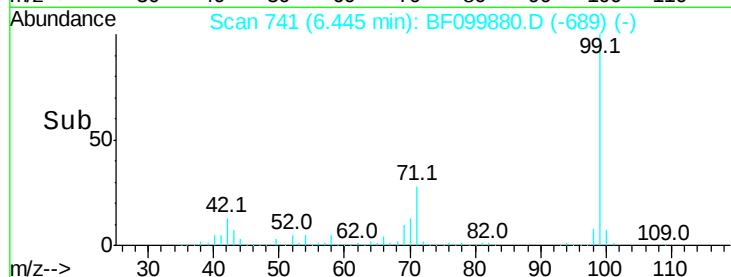
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 5.694 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF099880.D

Acq: 27 Oct 2017 16:33

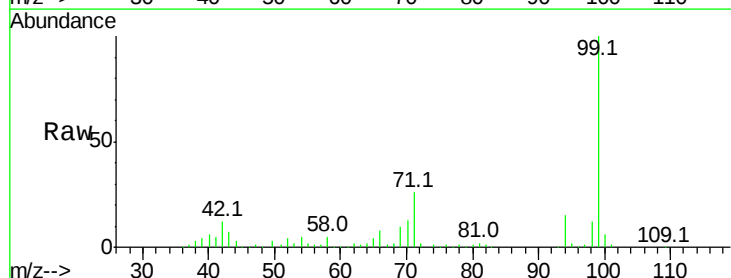
Tgt Ion: 94 Resp: 46313

Ion Ratio Lower Upper

94 100

65 27.6 7.9 47.9

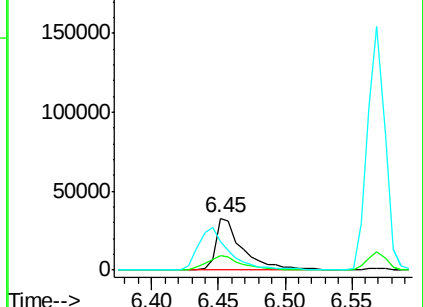
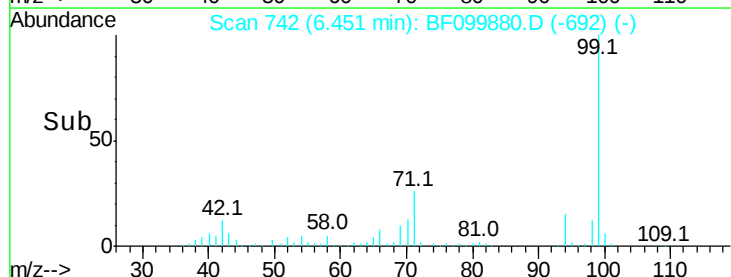
66 54.5 16.2 56.2

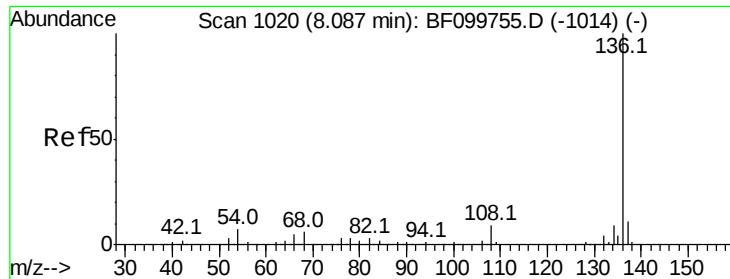


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





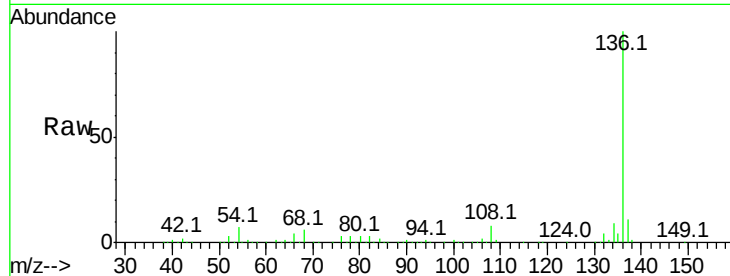
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF099880.D
Acq: 27 Oct 2017 16:33

Instrument :
BNA_F
ClientSampleId :
4-MARION26KV-(2-3)

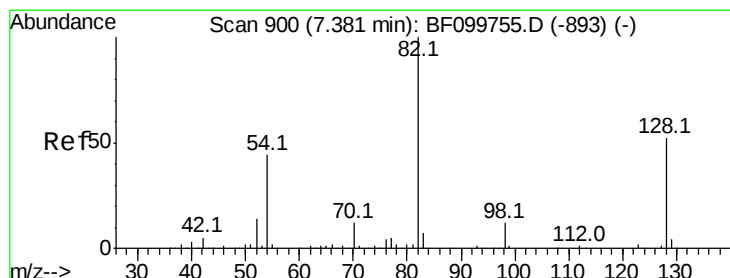
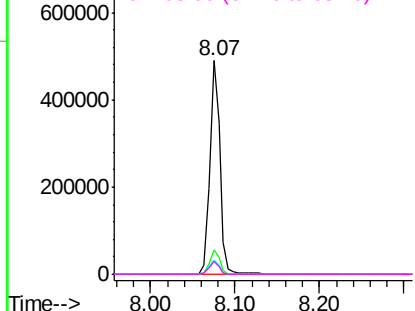
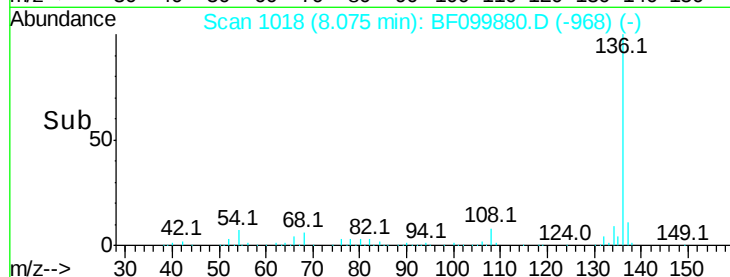
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.5	8.9	13.3	
54	6.6	6.6	9.8	
68	5.8	5.0	7.4	

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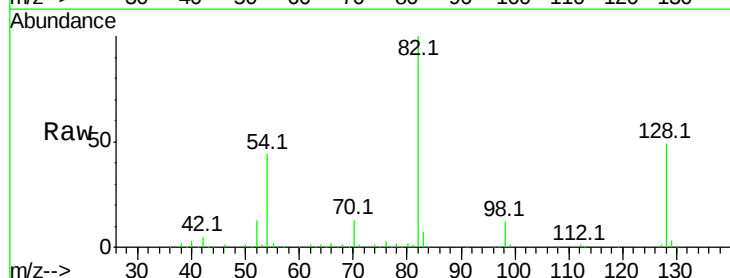


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

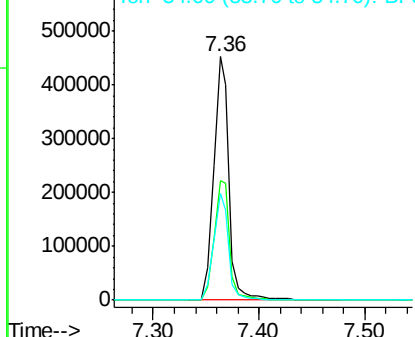
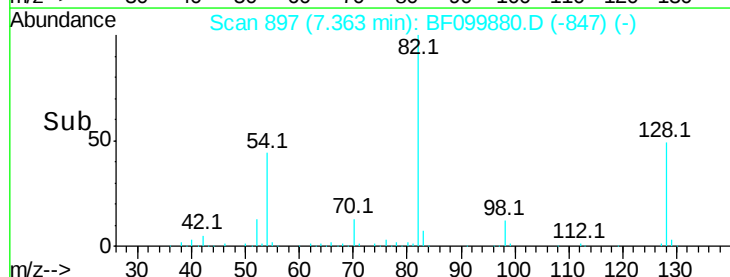


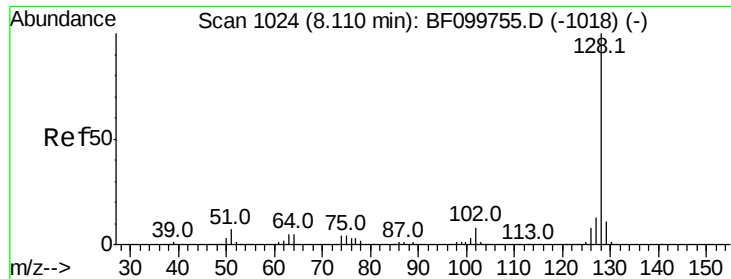
#23
Nitrobenzene-d5
Concen: 72.543 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF099880.D
Acq: 27 Oct 2017 16:33

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	49.0	36.1	54.1	
54	44.1	41.4	62.2	



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





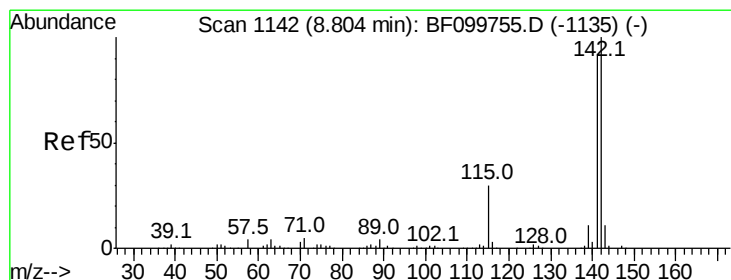
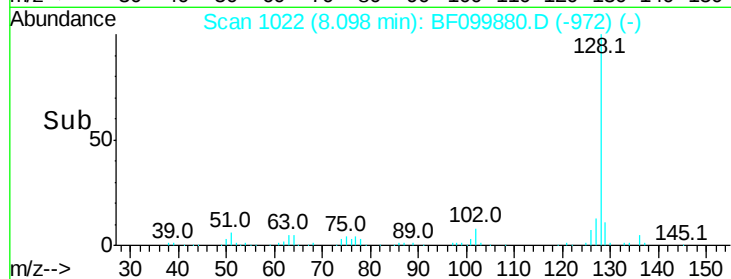
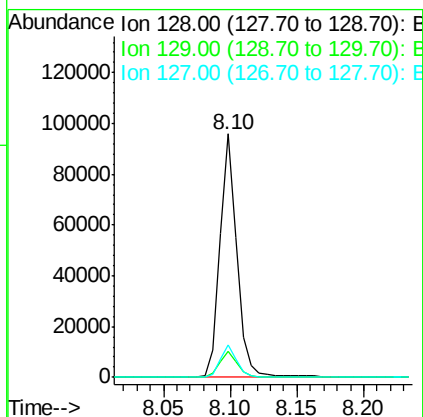
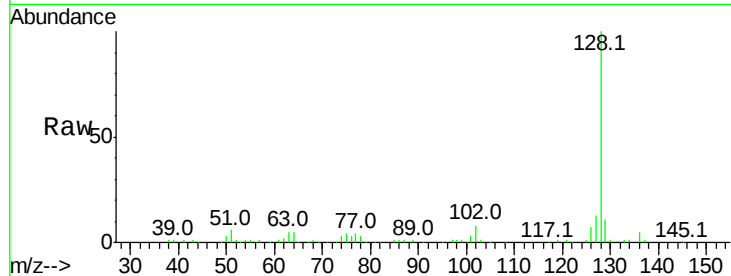
#31
Naphthalene
Concen: 4.402 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF099880.D
Acq: 27 Oct 2017 16:33

Instrument :
BNA_F
ClientSampleId :
4-MARION26KV-(2-3)

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.4	10.9	16.3

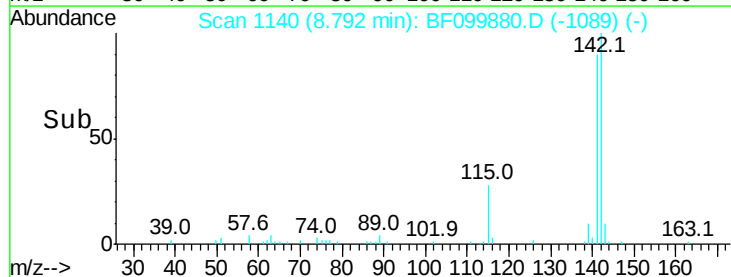
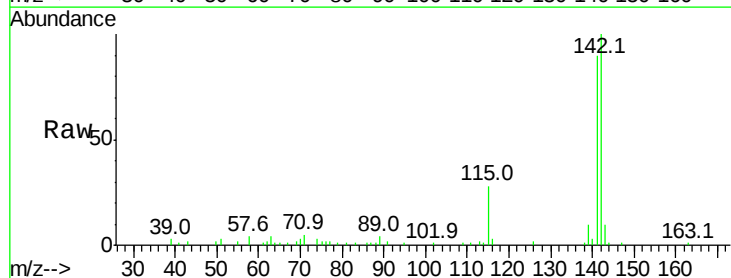
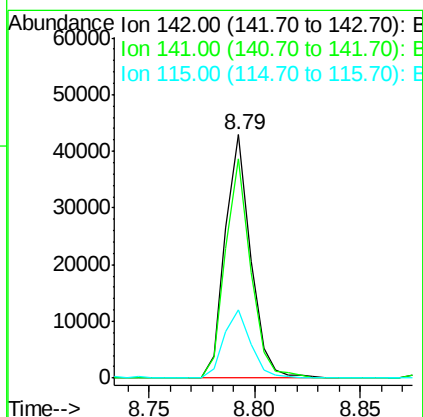
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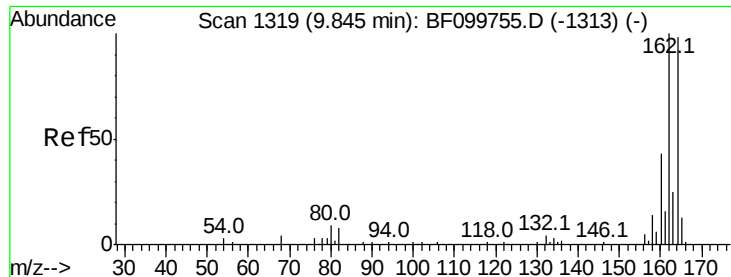
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#37
2-Methylnaphthalene
Concen: 2.723 ng
RT: 8.79 min Scan# 1140
Delta R.T. 0.00 min
Lab File: BF099880.D
Acq: 27 Oct 2017 16:33

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.9	70.8	106.2
115	28.2	26.1	39.1





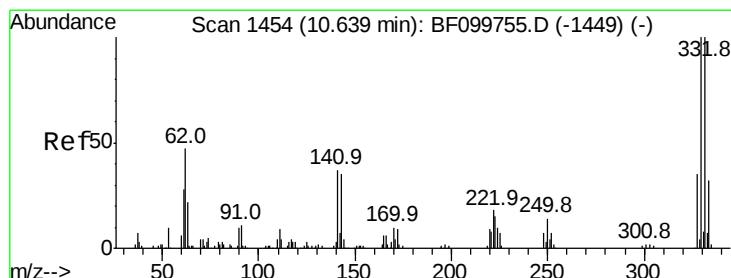
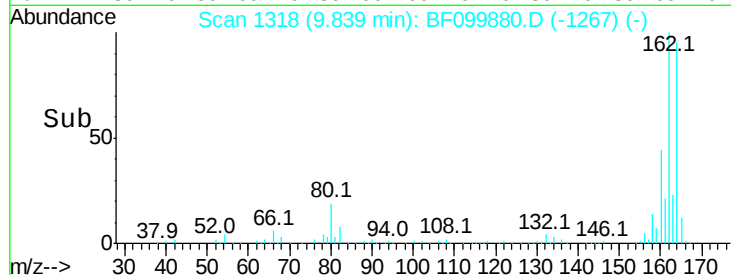
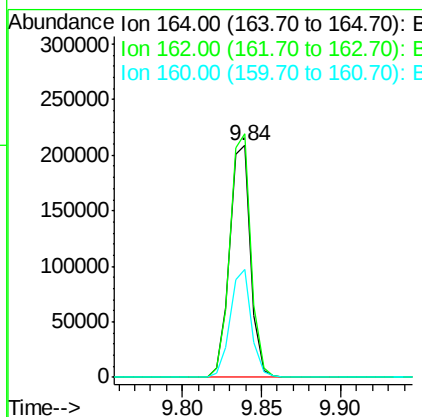
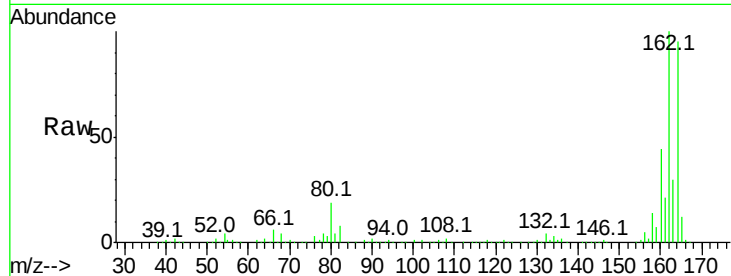
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BF099880.D
Acq: 27 Oct 2017 16:33

Instrument :
BNA_F
ClientSampleId :
4-MARION26KV-(2-3)

Tot Ion	Ratio	Resp	Lower	Upper
164	100	192630		
162	105.1	86.1	129.1	
160	46.6	38.3	57.5	

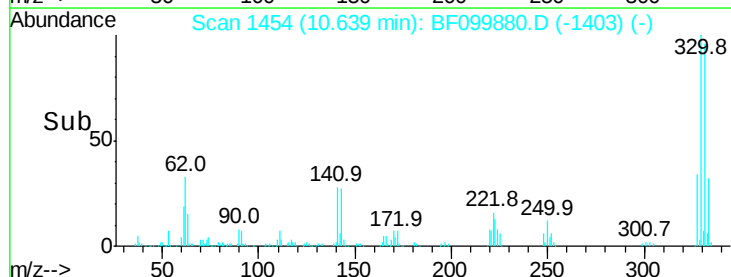
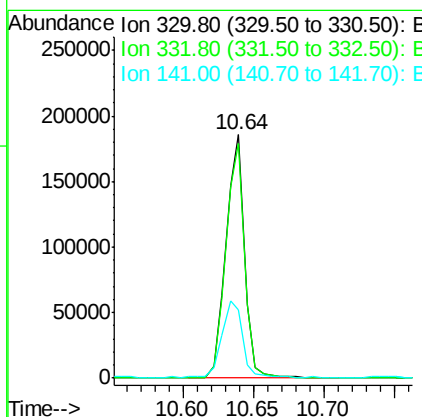
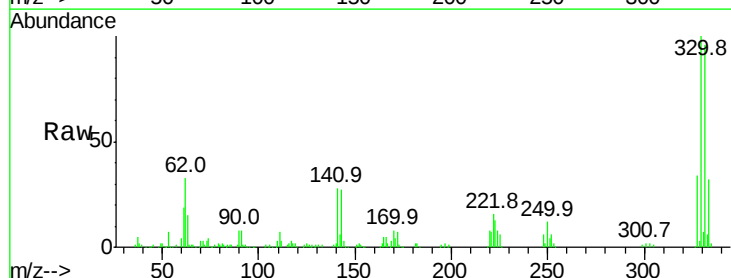
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#41
2,4,6-Tribromophenol
Concen: 96.311 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.00 min
Lab File: BF099880.D
Acq: 27 Oct 2017 16:33

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	169071		
332	97.6	77.0	115.6	
141	37.5	29.9	44.9	





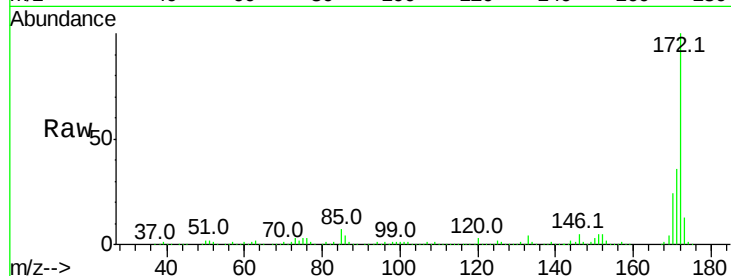
#44
2-Fluorobiphenyl
Concen: 71.552 ng
RT: 9.16 min Scan# 1202
Delta R.T. 0.00 min
Lab File: BF099880.D
Acq: 27 Oct 2017 16:33

Instrument :
BNA_F
ClientSampleId :
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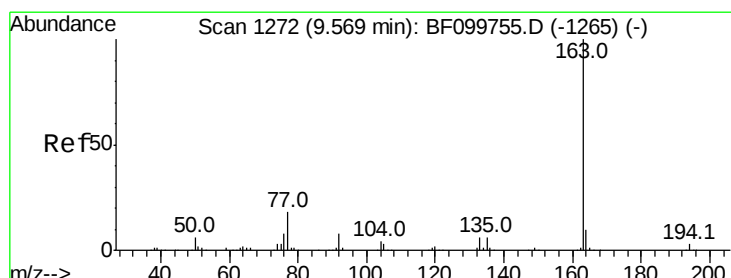
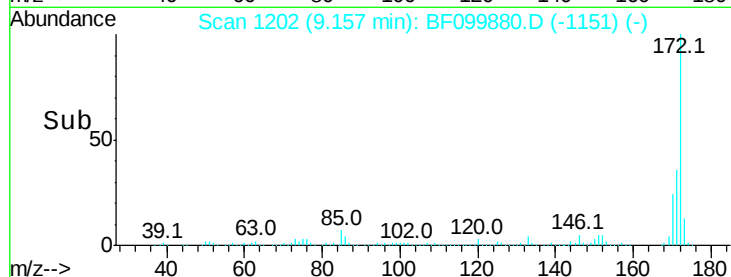
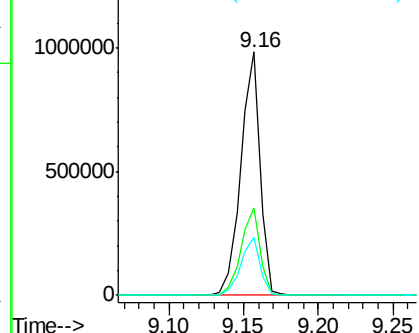
Tot Ion	Ratio	Resp	Lower	Upper
172	100	893352		
171	35.9		29.7	44.5
170	23.7		19.6	29.4

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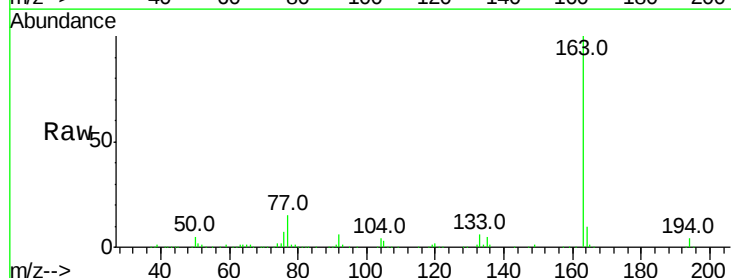


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

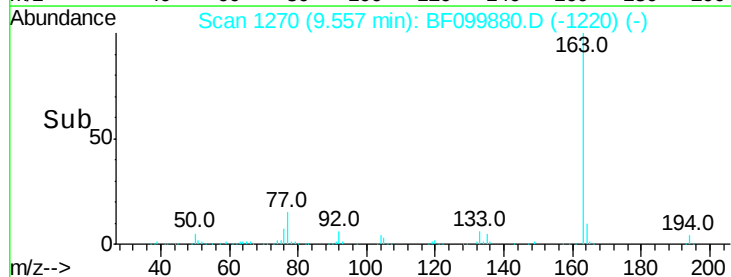
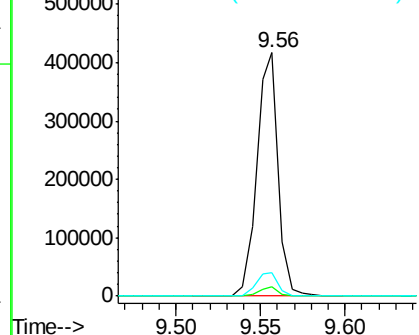


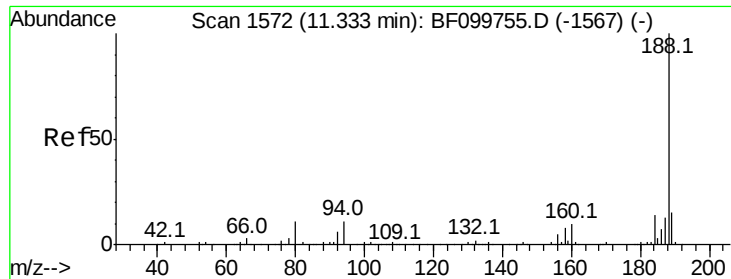
#49
Dimethylphthalate
Concen: 24.117 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF099880.D
Acq: 27 Oct 2017 16:33

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	367895		
194	3.7		2.7	4.1
164	9.7		8.2	12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. 0.00 min

Lab File: BF099880.D

Acq: 27 Oct 2017 16:33

Instrument :

BNA_F

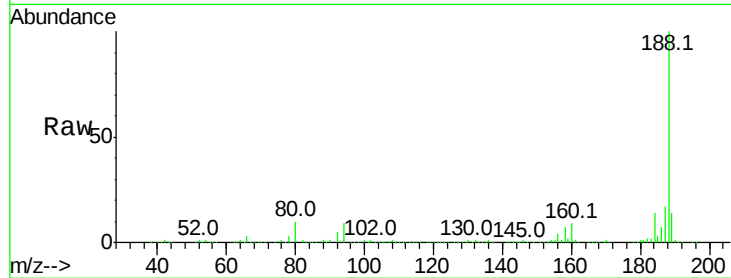
ClientSampleId :

4-MARION26KV-(2-3)

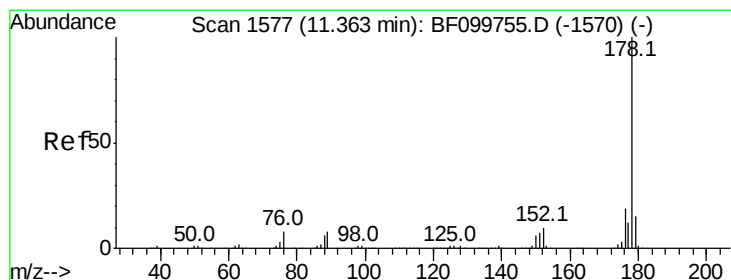
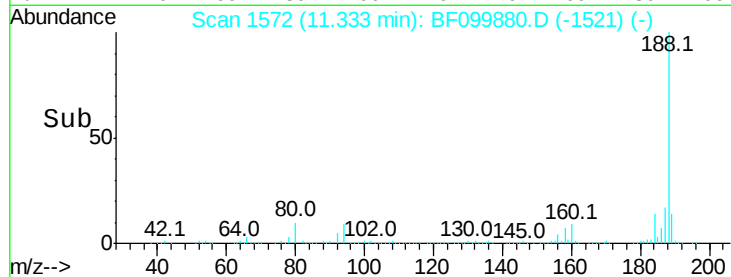
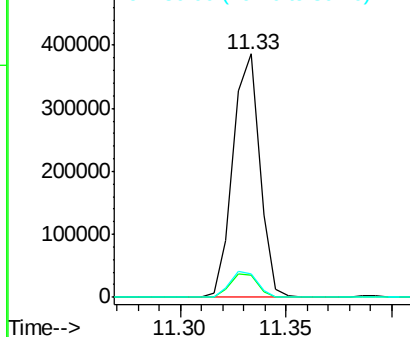
Tot Ion:	188	Resp:	339067
Ion Ratio	Lower	Upper	
188	100		
94	9.2	8.5	12.7
80	9.8	9.2	13.8

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Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 7.320 ng

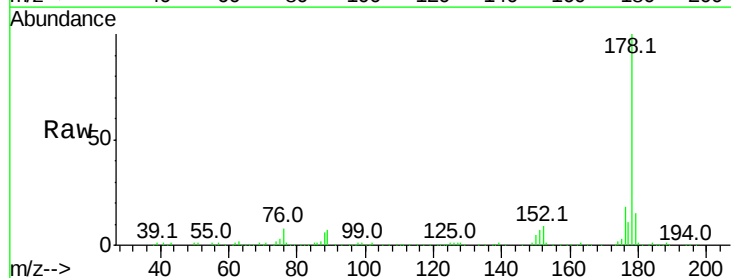
RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

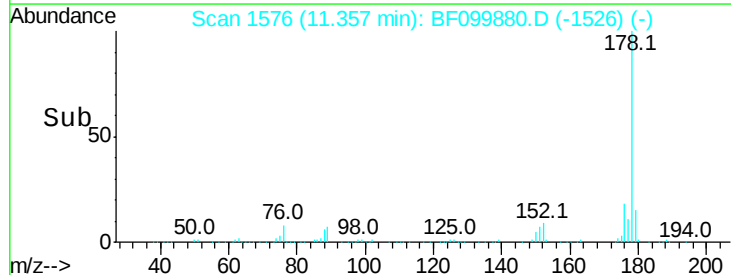
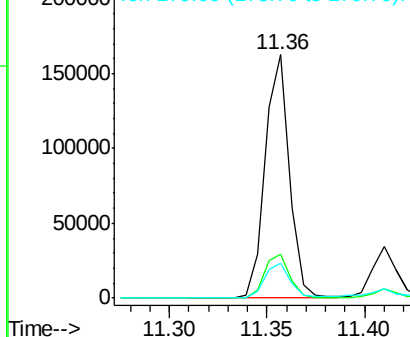
Lab File: BF099880.D

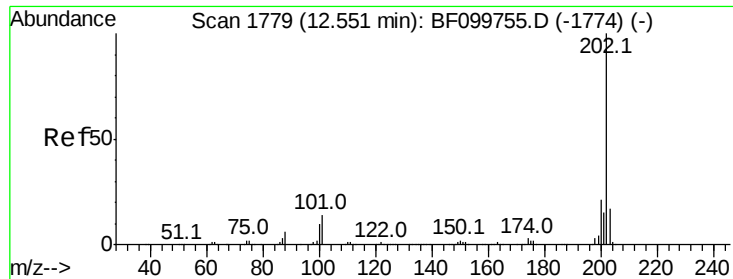
Acq: 27 Oct 2017 16:33

Tgt Ion:	178	Resp:	140067
Ion Ratio	Lower	Upper	
178	100		
176	18.1	15.8	23.8
179	14.5	13.0	19.6



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





#74

Fluoranthene

Concen: 10.723 ng

RT: 12.55 min Scan# 1779

Delta R.T. 0.00 min

Lab File: BF099880.D

Acq: 27 Oct 2017 16:33

Instrument :

BNA_F

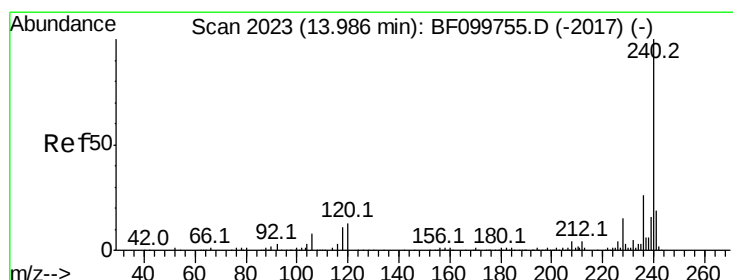
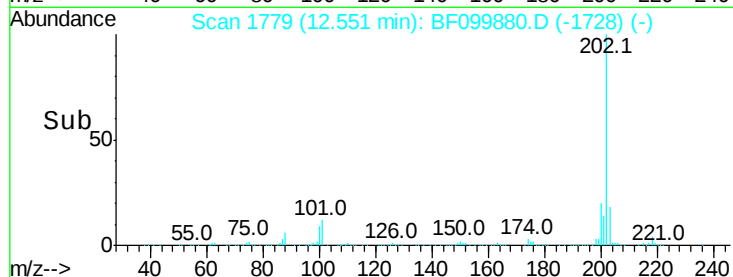
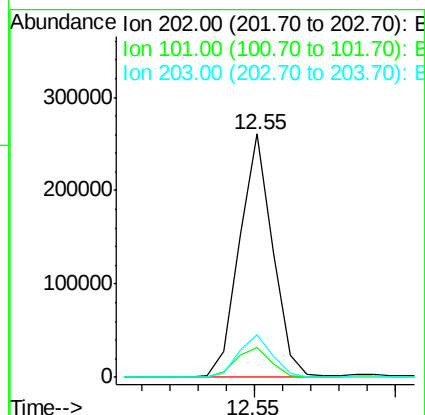
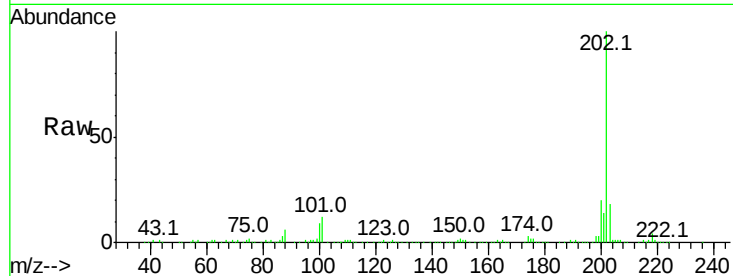
ClientSampleId :

4-MARION26KV-(2-3)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.0	0.0	34.1
203	17.7	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

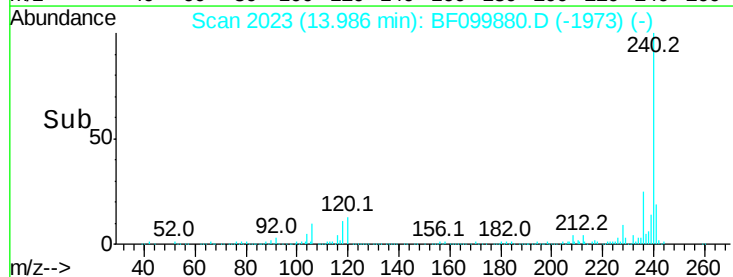
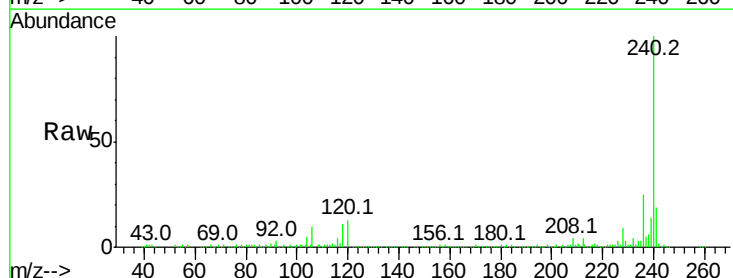
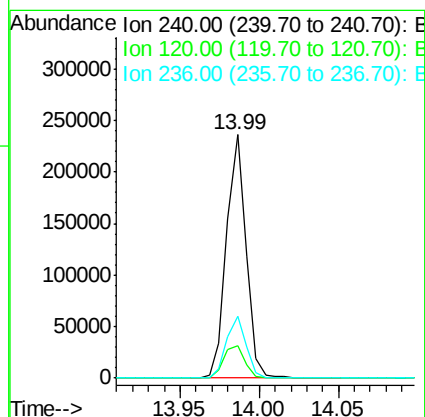
RT: 13.99 min Scan# 2023

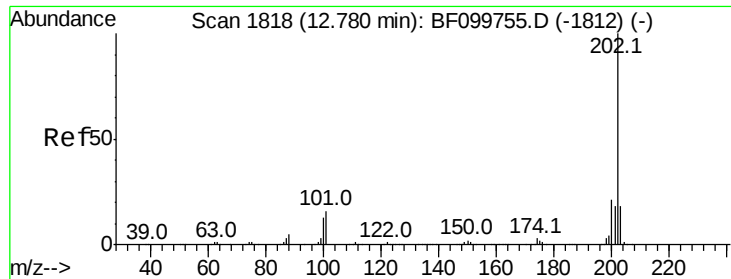
Delta R.T. -0.01 min

Lab File: BF099880.D

Acq: 27 Oct 2017 16:33

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.4	9.5	14.3
236	25.4	20.7	31.1





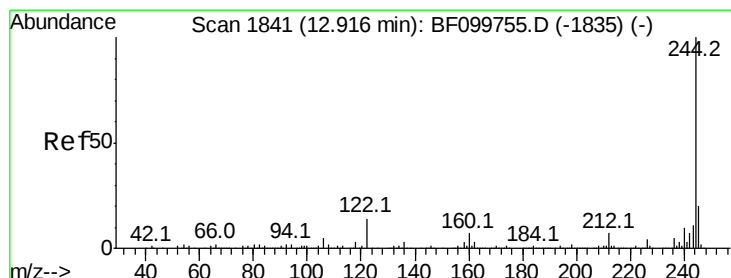
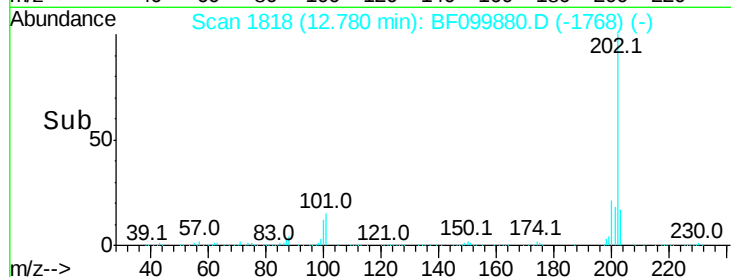
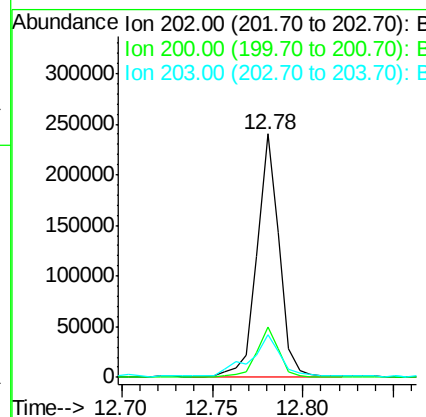
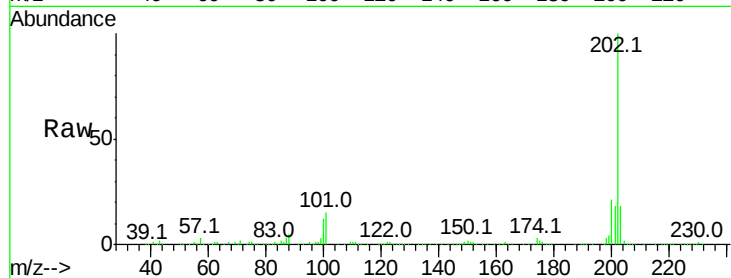
#77
Pvrene
Concen: 13.196 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BF099880.D
Acq: 27 Oct 2017 16:33

Instrument :
BNA_F
ClientSampleId :
4-MARION26KV-(2-3)

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.4	26.2
203	17.6	14.3	21.5

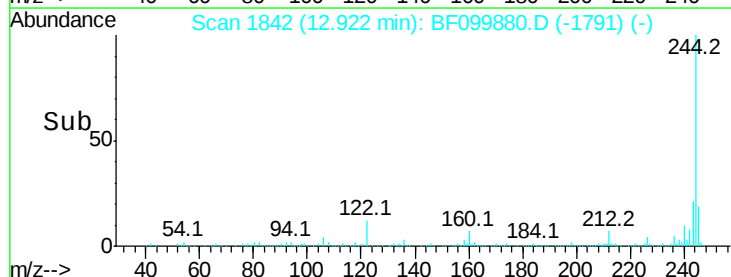
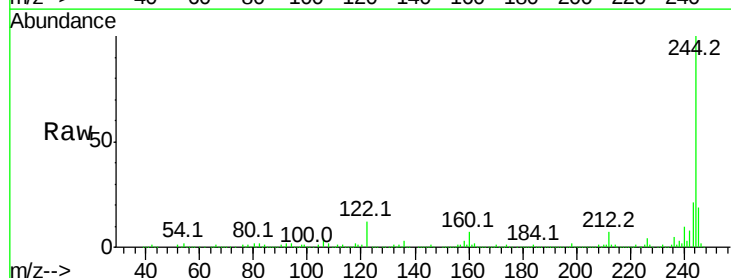
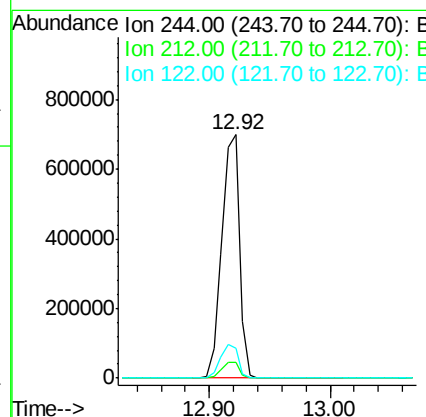
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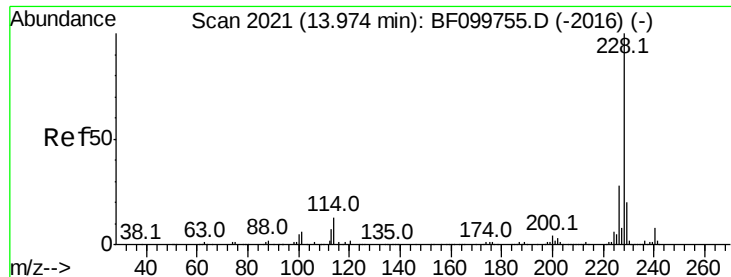
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#78
Terphenyl-d14
Concen: 75.754 ng
RT: 12.92 min Scan# 1842
Delta R.T. 0.00 min
Lab File: BF099880.D
Acq: 27 Oct 2017 16:33

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	12.2	11.0	16.4





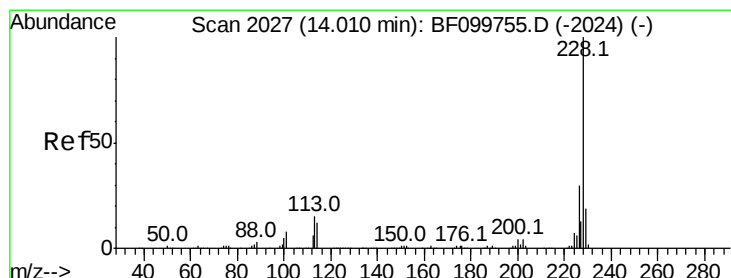
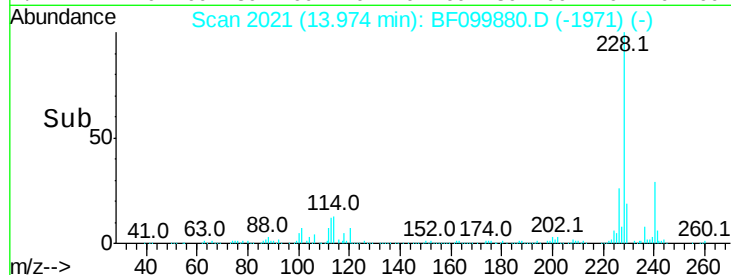
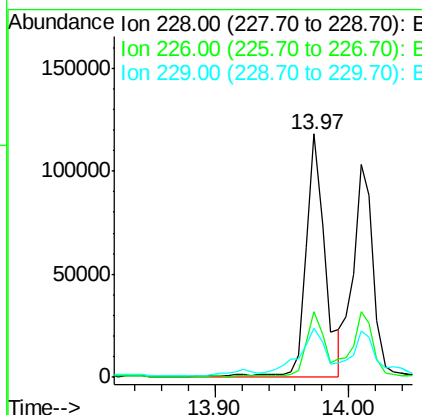
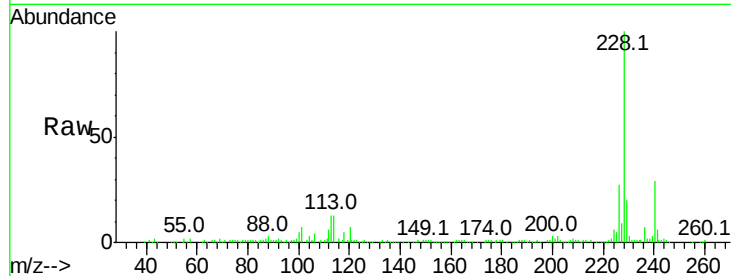
#80
Benzo(a)anthracene
Concen: 8.813 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF099880.D
Acq: 27 Oct 2017 16:33

Instrument :
BNA_F
ClientSampleId :
4-MARION26KV-(2-3)

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.6	33.8
229	19.9	15.8	23.6

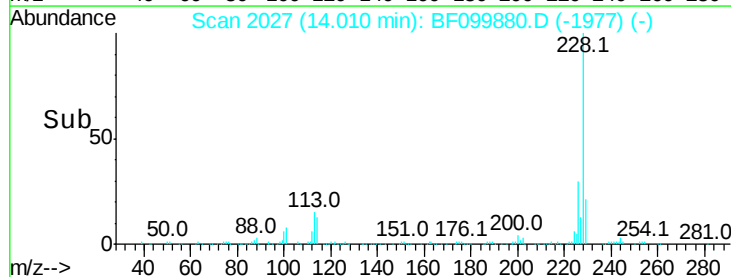
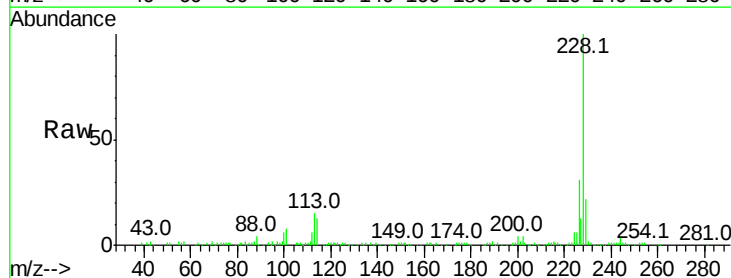
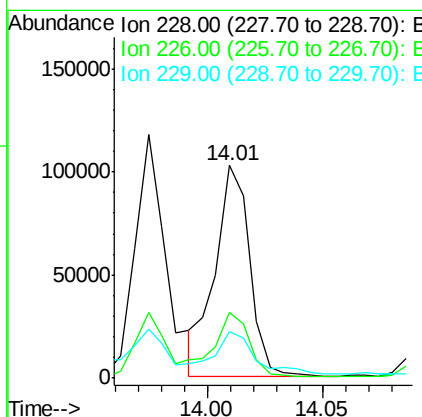
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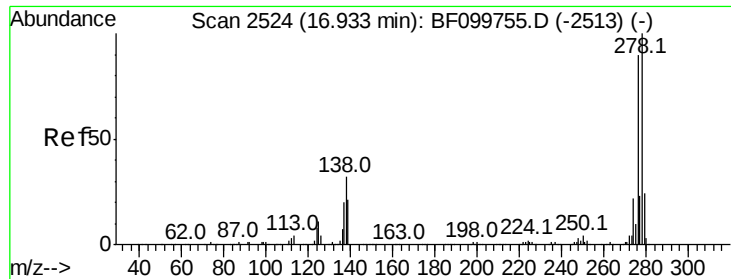
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#82
Chrysene
Concen: 8.847 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF099880.D
Acq: 27 Oct 2017 16:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.6
229	21.9	16.2	24.4





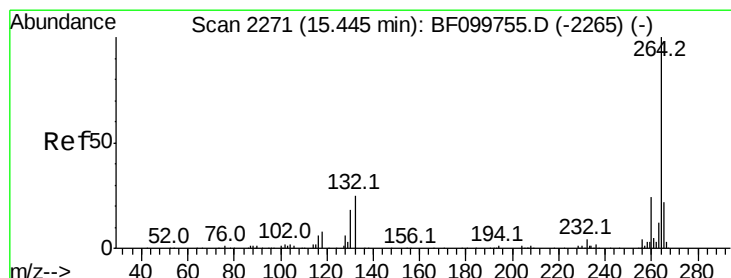
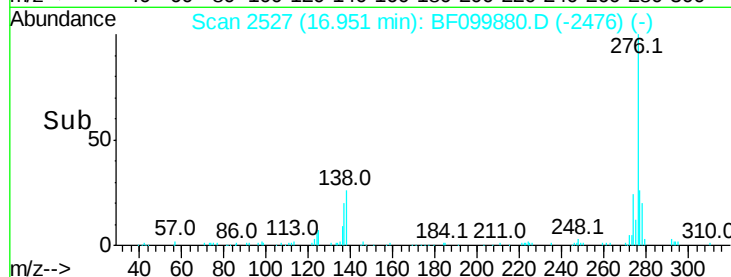
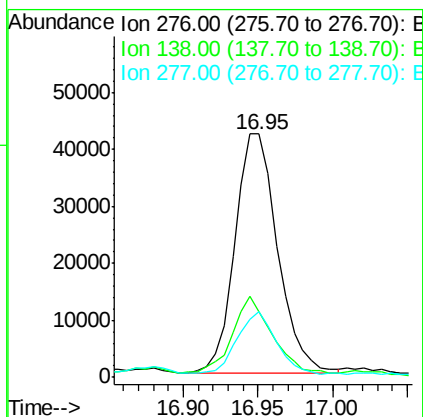
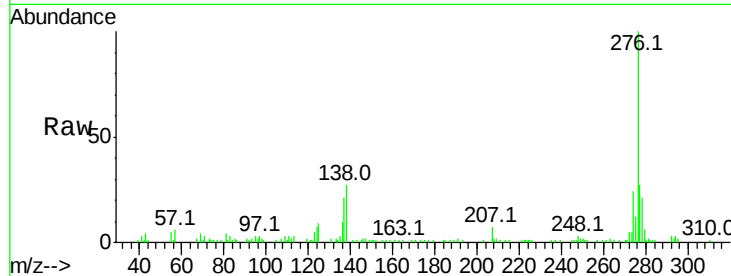
#85
Indeno(1,2,3-cd)pyrene
Concen: 7.552 ng
RT: 16.95 min Scan# 2527
Delta R.T. 0.00 min
Lab File: BF099880.D
Acq: 27 Oct 2017 16:33

Instrument :
BNA_F
ClientSampleId :
4-MARION26KV-(2-3)

Tot Ion	Ratio	Lower	Upper
276	100		
138	31.0	25.0	37.6
277	23.2	20.1	30.1

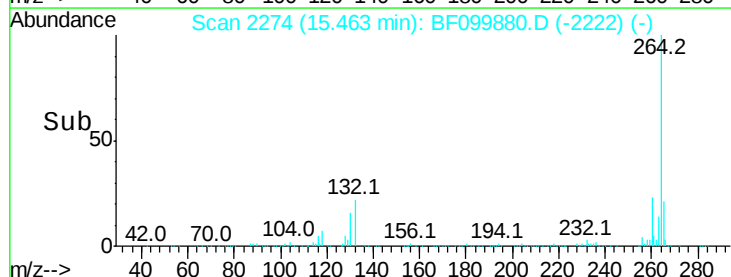
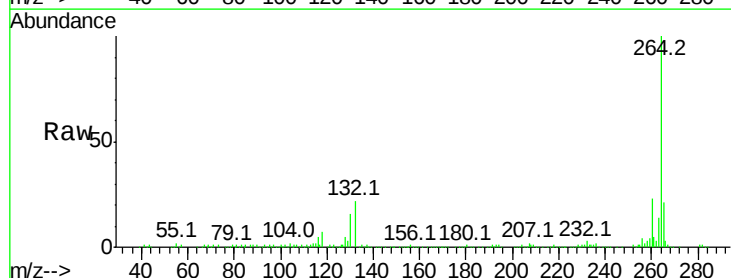
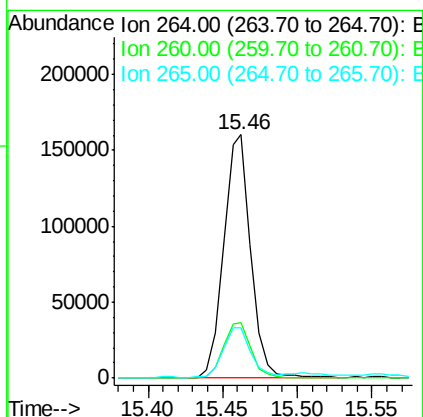
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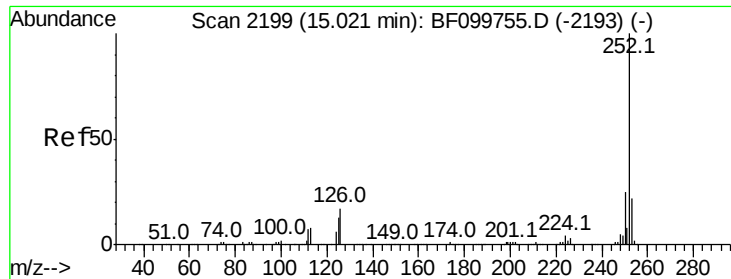
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF099880.D
Acq: 27 Oct 2017 16:33

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	20.8	17.5	26.3





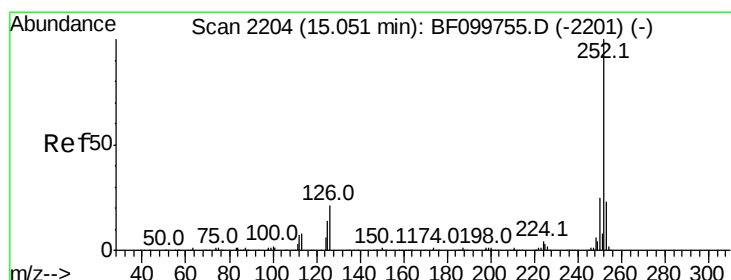
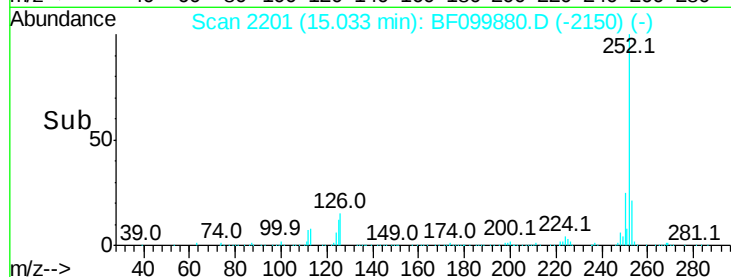
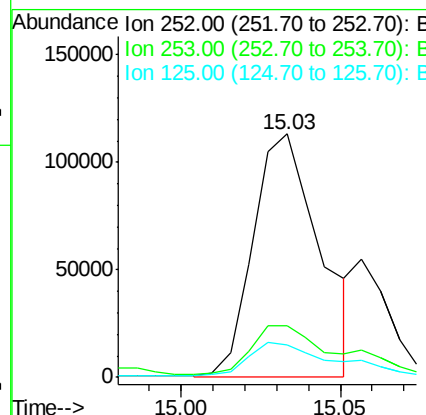
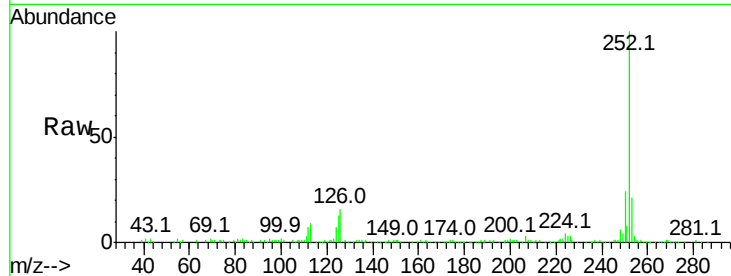
#87
Benzo(b)fluoranthene
Concen: 12.689 ng m
RT: 15.03 min Scan# 2201
Delta R.T. 0.00 min
Lab File: BF099880.D
Acq: 27 Oct 2017 16:33

Instrument :
BNA_F
ClientSampleId :
4-MARION26KV-(2-3)

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.0	25.6
125	13.3	9.0	13.6

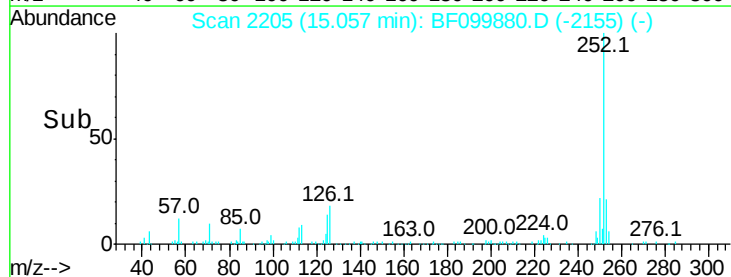
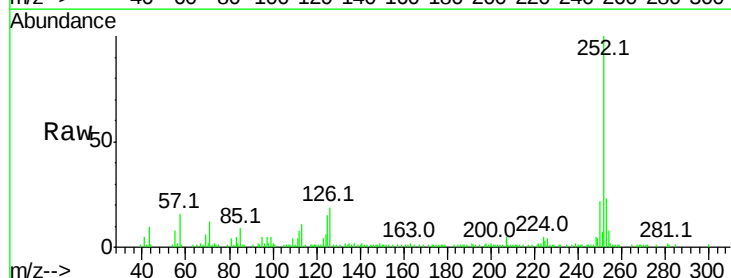
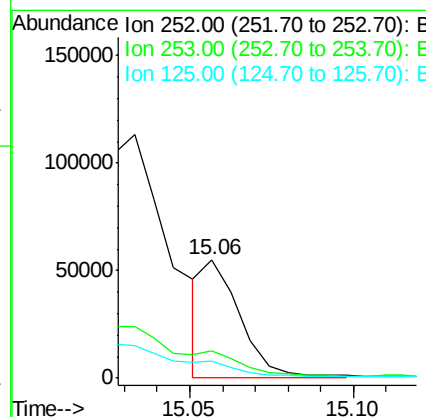
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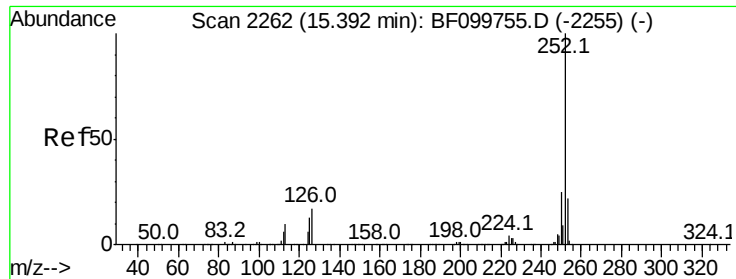
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#88
Benzo(k)fluoranthene
Concen: 3.617 ng m
RT: 15.06 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BF099880.D
Acq: 27 Oct 2017 16:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	14.8	10.2	15.2





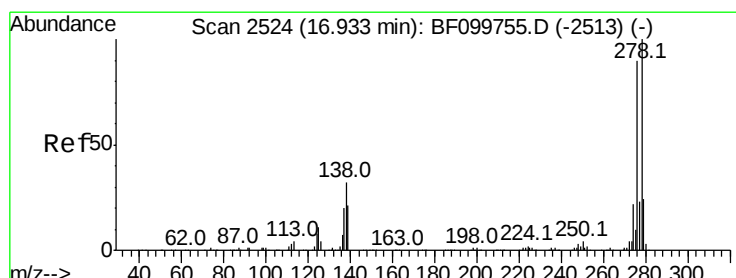
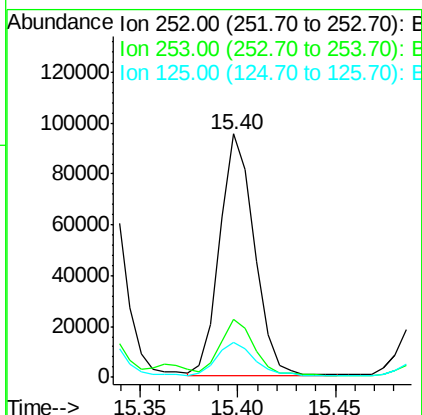
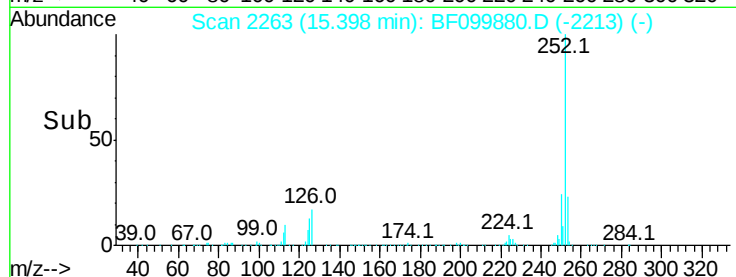
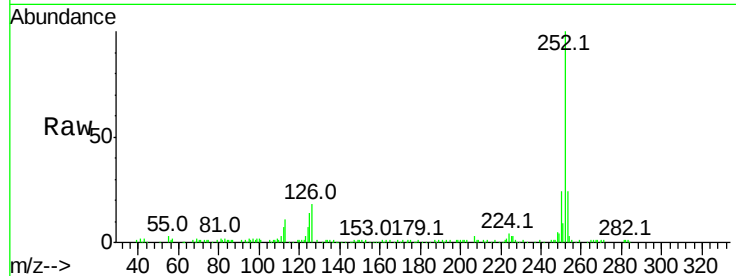
#89
Benzo(a)pyrene
Concen: 10.090 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.01 min
Lab File: BF099880.D
Acq: 27 Oct 2017 16:33

Instrument :
BNA_F
ClientSampleId :
4-MARION26KV-(2-3)

Tot Ion:	252	Resp:	117134
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.1	25.7
125	14.2	9.8	14.6

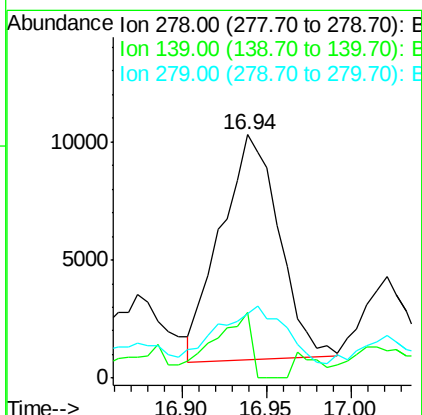
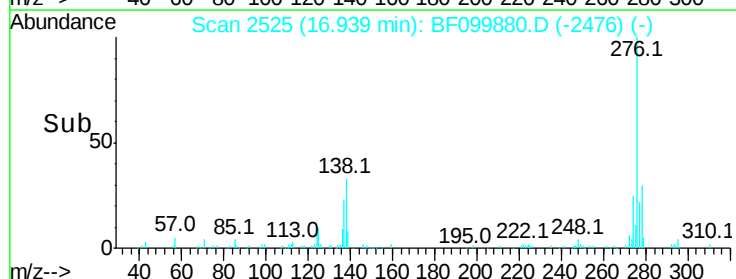
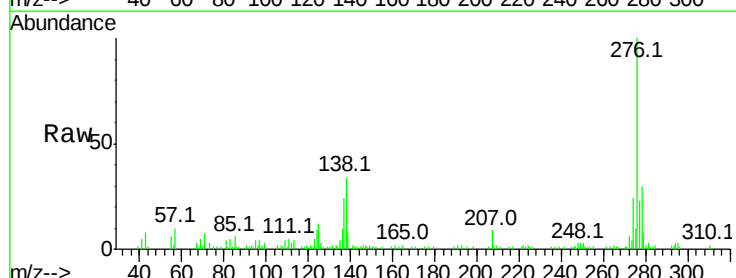
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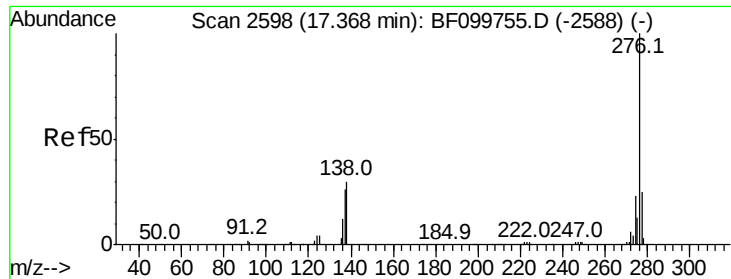
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#90
Dibenzo(a,h)anthracene
Concen: 2.218 ng
RT: 16.94 min Scan# 2525
Delta R.T. -0.01 min
Lab File: BF099880.D
Acq: 27 Oct 2017 16:33

Tgt Ion:	278	Resp:	22881
Ion Ratio	Lower	Upper	
278	100		
139	26.9	15.9	23.9#
279	26.3	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 8.463 ng
 RT: 17.40 min Scan# 2604
 Delta R.T. 0.01 min
 Lab File: BF099880.D
 Acq: 27 Oct 2017 16:33

Instrument :
 BNA_F
 ClientSampleId :
 4-MARION26KV-(2-3)

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.9	17.9	26.9#
138	31.0	21.8	32.8

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