

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\
 Data File : BF101799.D
 Acq On : 28 Dec 2017 13:50
 Operator : SJ/JU
 Sample : I7064-19
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-10

Manual Integrations
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Sohil
 12/29/2017 11:55:05 AM

Quant Time: Dec 28 15:17:18 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 26 10:48:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	145054	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	545525	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	208362	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	321456	20.00	ng	0.00
75) Chrysene-d12	13.97	240	288724	20.00	ng	0.00
86) Perylene-d12	15.44	264	277309	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	983422	100.99	ng	0.00
7) Phenol-d6	6.43	99	1147086	94.65	ng	0.00
23) Nitrobenzene-d5	7.36	82	712266	72.68	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	188106	93.69	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	1010220	75.21	ng	0.00
78) Terphenyl-d14	12.89	244	707214	59.05	ng	0.00
Target Compounds						
10) Phenol	6.45	94	52643	3.811	ng	Qvalue # 69
49) Dimethylphthalate	9.53	163	109142	6.512	ng	99
70) Phenanthrene	11.34	178	280346	15.682	ng	98
71) Anthracene	11.39	178	79990	4.380	ng	97
74) Fluoranthene	12.53	202	437667	23.325	ng	97
77) Pyrene	12.76	202	405417	18.710	ng	99
80) Benzo(a)anthracene	13.96	228	239421	12.558	ng	98
82) Chrysene	13.99	228	237737m	13.207	ng	
83) Bis(2-ethylhexyl)phthalate	13.91	149	26862	2.163	ng	# 95
85) Indeno(1,2,3-cd)pyrene	16.93	276	110940	6.921	ng	# 90
87) Benzo(b)fluoranthene	15.01	252	277517m	16.419	ng	
88) Benzo(k)fluoranthene	15.04	252	106806m	6.499	ng	
89) Benzo(a)pyrene	15.38	252	194791	12.501	ng	96
90) Dibenzo(a,h)anthracene	16.92	278	32312	2.415	ng	# 82
91) Benzo(a,h,i)perylene	17.38	276	107943	8.148	ng	97

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

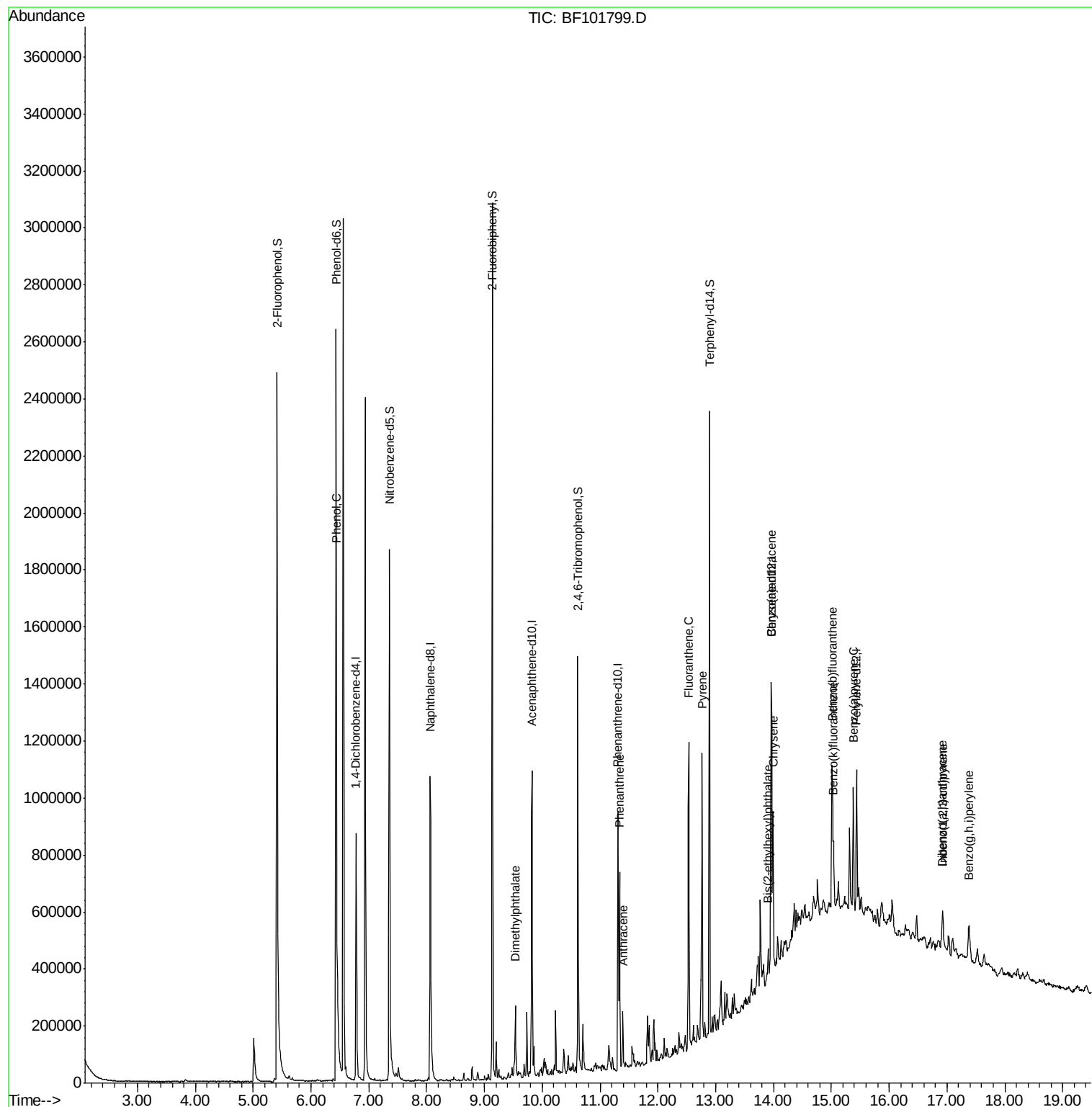
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\
Data File : BF101799.D
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ALS Vial : 6 Sample Multiplier: 1

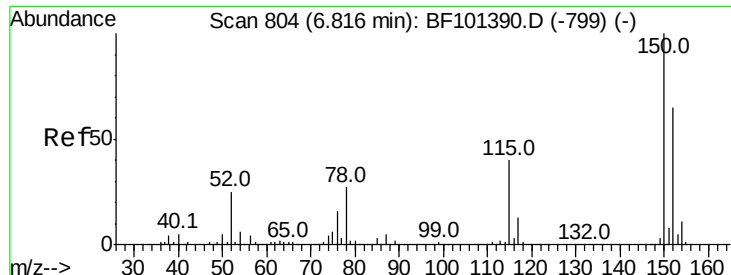
Instrument :
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#1

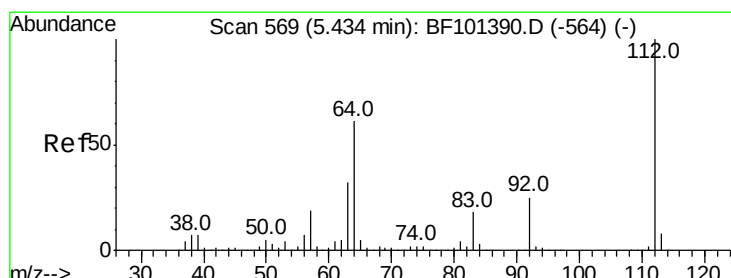
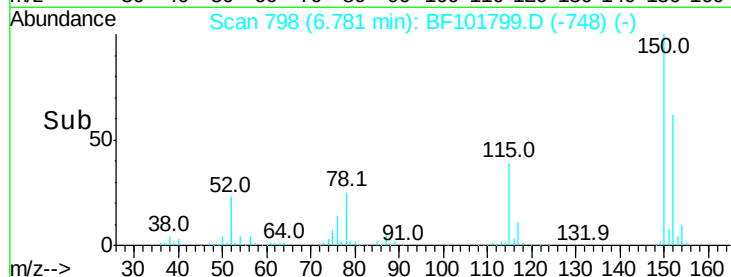
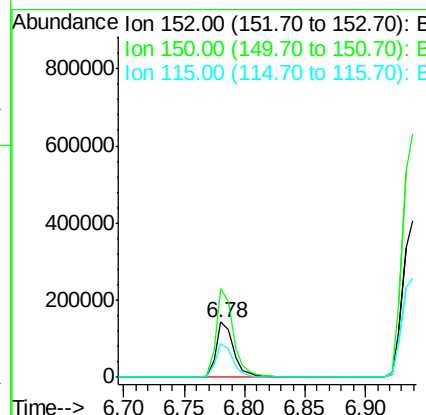
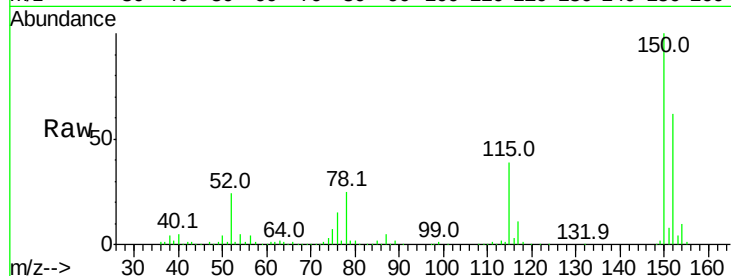
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF101799.D
Acq: 28 Dec 2017 13:50

Instrument :
BNA_F
ClientSampleId :
SAMPLE-10

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.8	124.6	186.8
115	62.0	50.1	75.1

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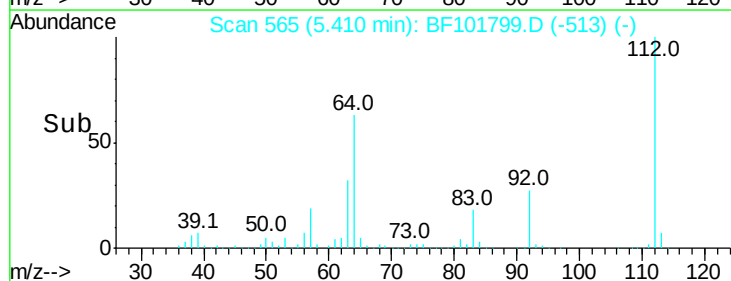
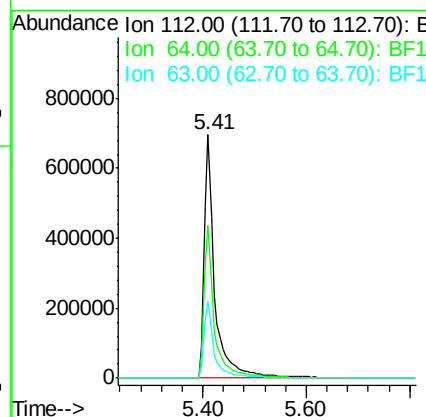
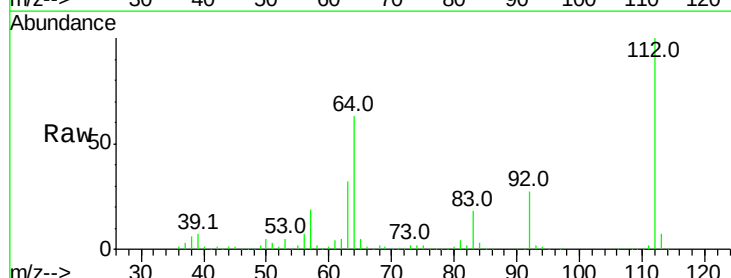
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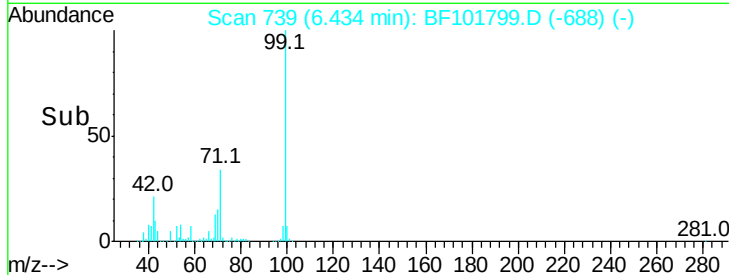
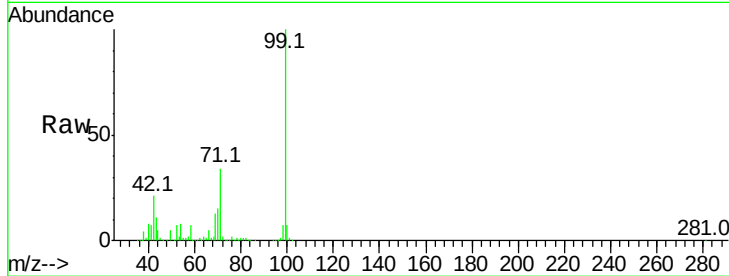
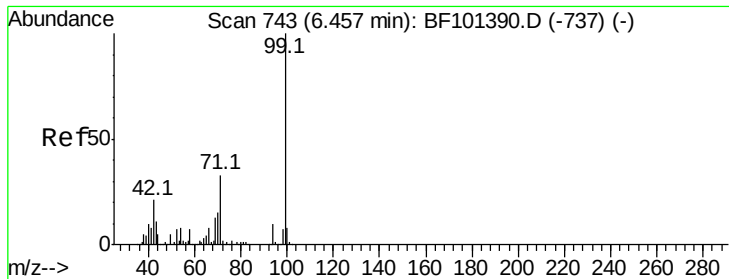


#5

2-Fluorophenol
Concen: 100.989 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF101799.D
Acq: 28 Dec 2017 13:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.9	47.9	71.9
63	32.0	23.7	35.5





#7

Phenol-d6

Concen: 94.650 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF101799.D

Acq: 28 Dec 2017 13:50

Tot Ion: 99 Resp: 1147086

Ion Ratio Lower Upper

99 100

42 20.8 14.5 21.7

71 33.8 25.4 38.0

Instrument :

BNA_F

ClientSampleId :

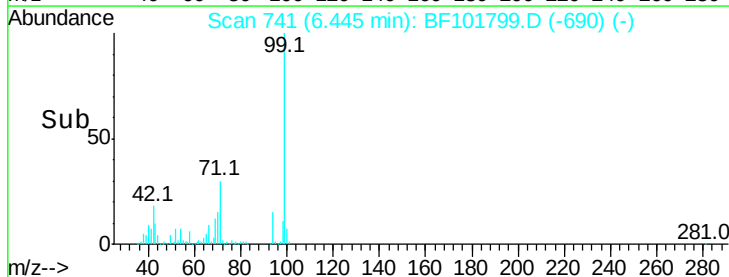
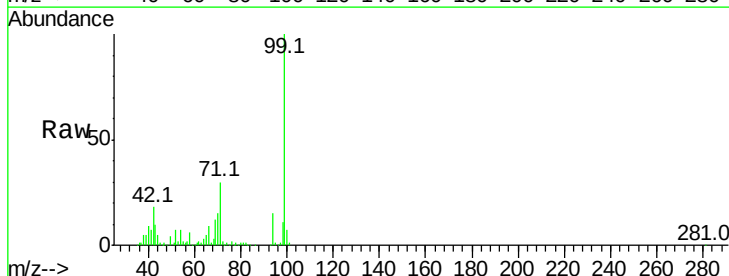
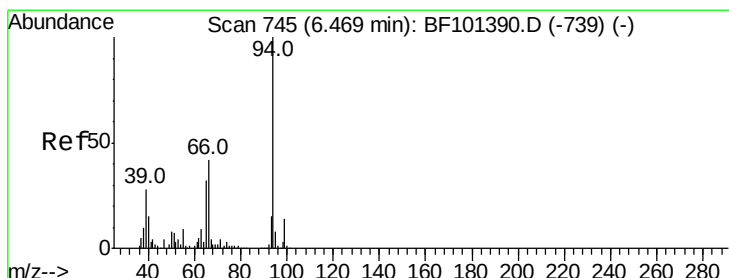
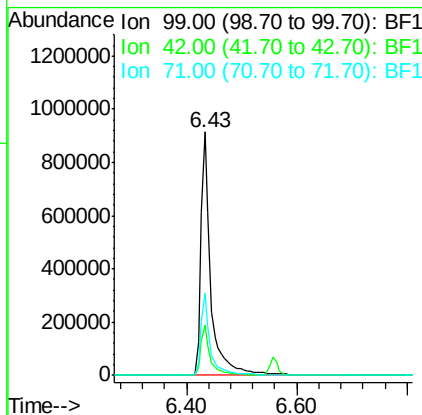
SAMPLE-10

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#10

Phenol

Concen: 3.811 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF101799.D

Acq: 28 Dec 2017 13:50

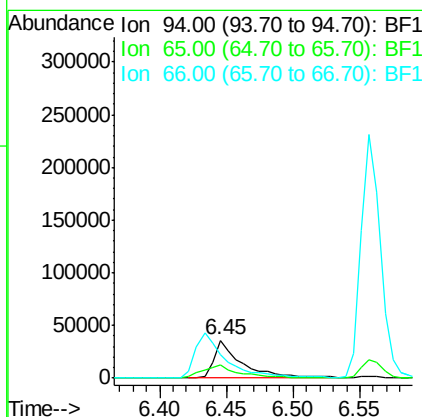
Tgt Ion: 94 Resp: 52643

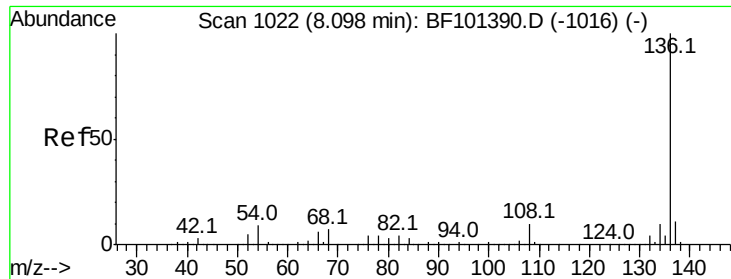
Ion Ratio Lower Upper

94 100

65 35.4 7.9 47.9

66 61.6 16.2 56.2#





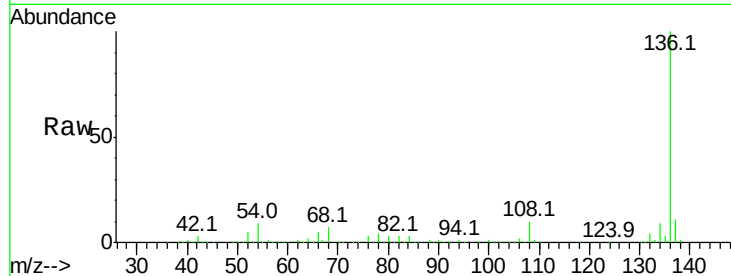
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BF101799.D
Acq: 28 Dec 2017 13:50

Instrument :
BNA_F
ClientSampleId :
SAMPLE-10

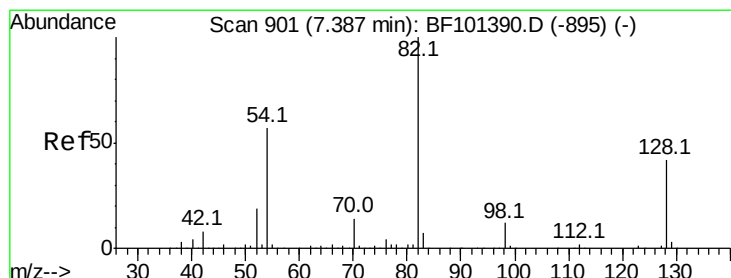
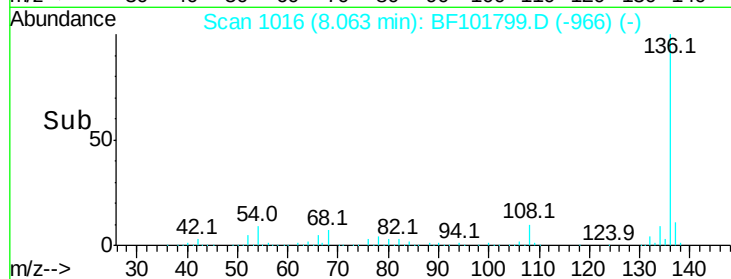
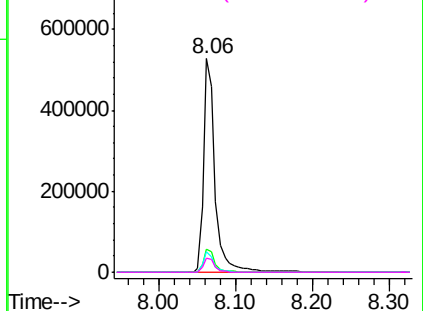
Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.4	6.6	9.8
68	6.6	5.0	7.4

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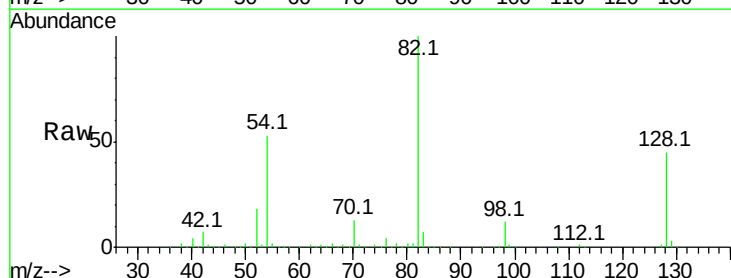


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

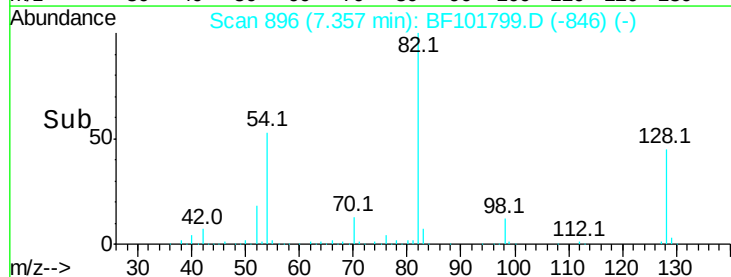
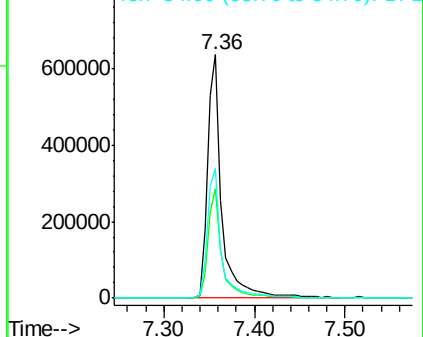


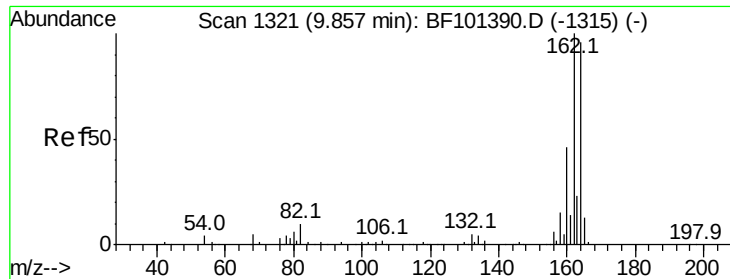
#23
Nitrobenzene-d5
Concen: 72.680 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF101799.D
Acq: 28 Dec 2017 13:50

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	44.7	36.1	54.1
54	53.3	41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





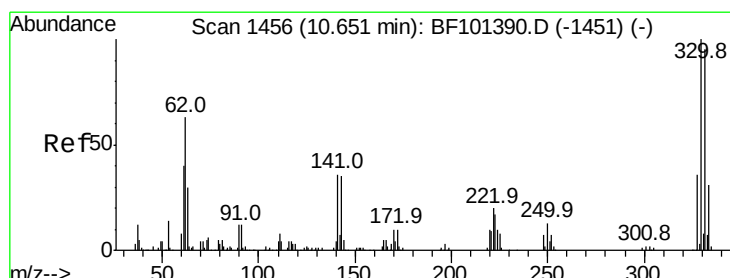
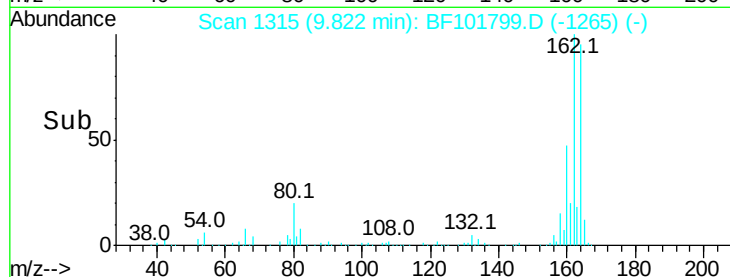
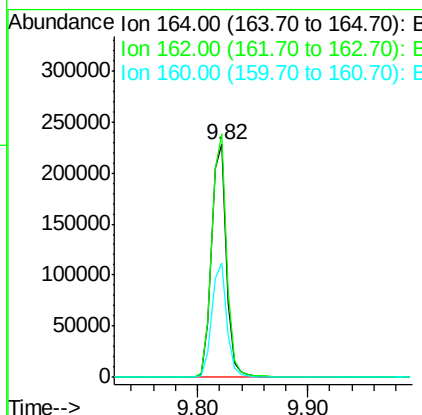
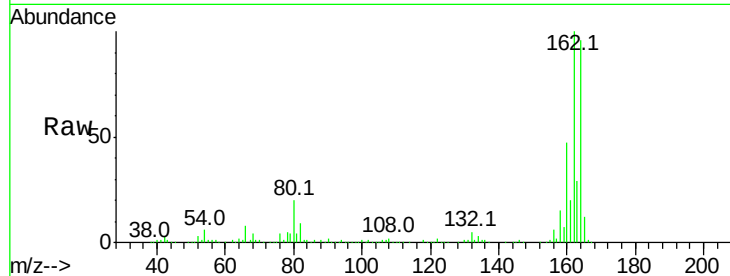
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: BF101799.D
 Acq: 28 Dec 2017 13:50

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-10

Tot Ion	Ratio	Resp	Lower	Upper
164	100	208362		
162	104.3		86.1	129.1
160	48.7		38.3	57.5

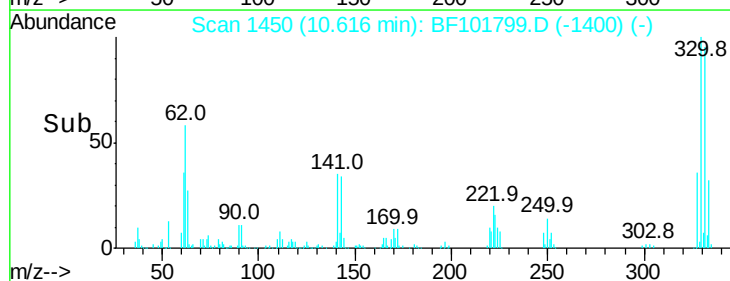
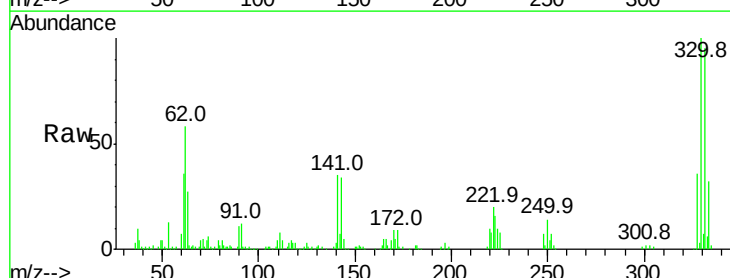
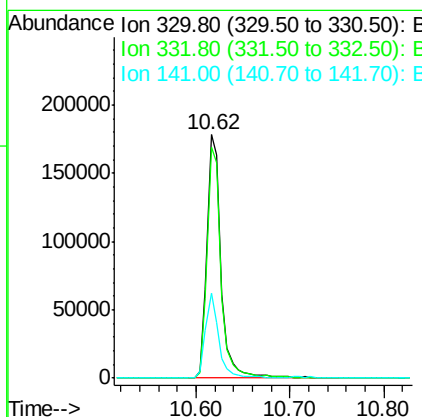
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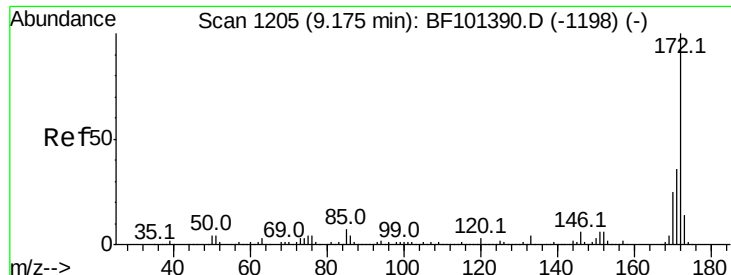
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#41
 2,4,6-Tribromophenol
 Concen: 93.691 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF101799.D
 Acq: 28 Dec 2017 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	188106		
332	95.0		77.0	115.6
141	33.3		29.9	44.9





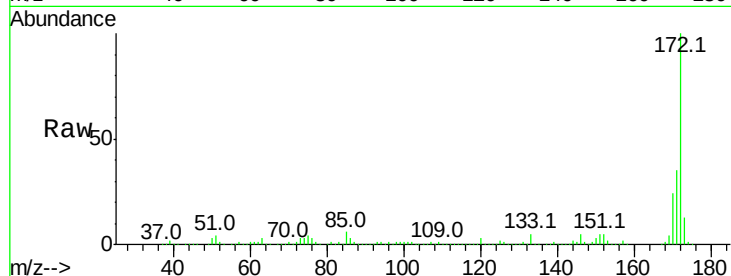
#44
2-Fluorobiphenyl
Concen: 75.210 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF101799.D
Acq: 28 Dec 2017 13:50

Instrument :
BNA_F
ClientSampled :
SAMPLE-10

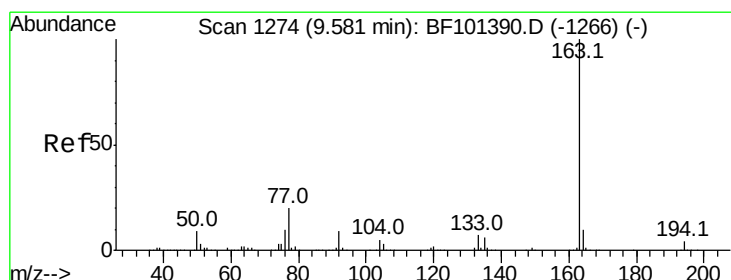
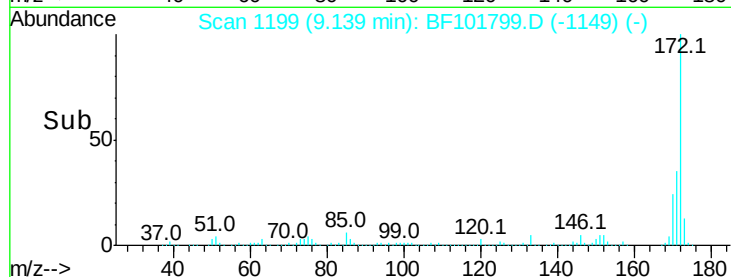
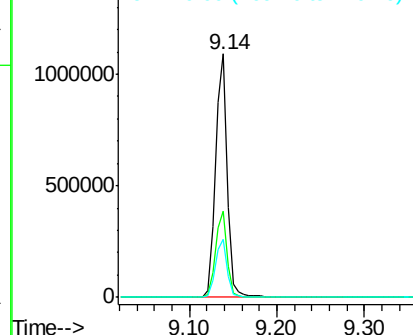
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.7	44.5
170	23.8	19.6	29.4

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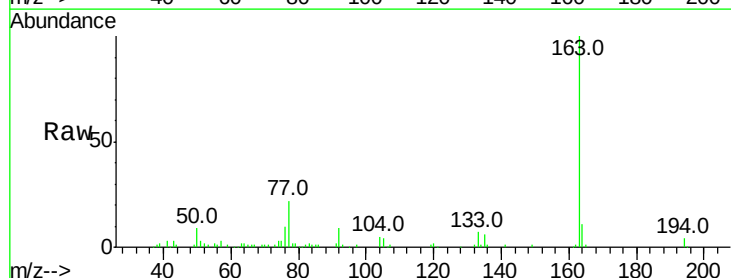


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

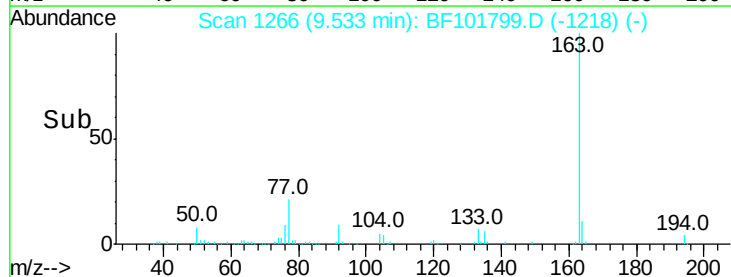
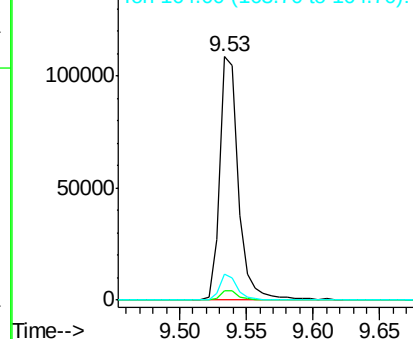


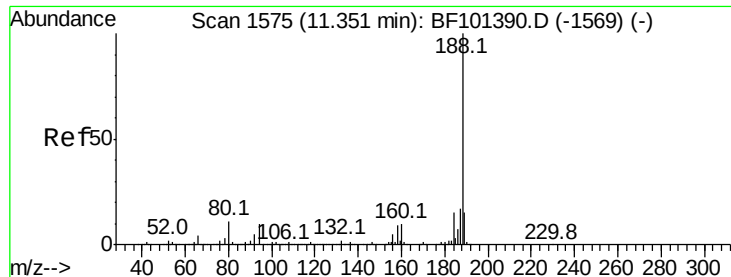
#49
Dimethylphthalate
Concen: 6.512 ng
RT: 9.53 min Scan# 1266
Delta R.T. -0.02 min
Lab File: BF101799.D
Acq: 28 Dec 2017 13:50

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	10.8	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: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF101799.D

Acq: 28 Dec 2017 13:50

Instrument :

BNA_F

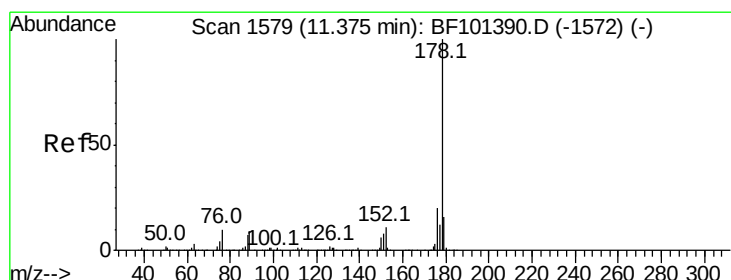
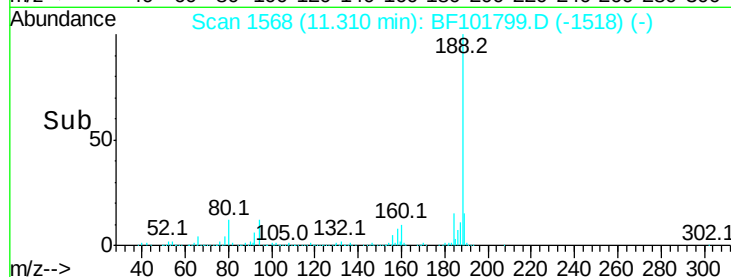
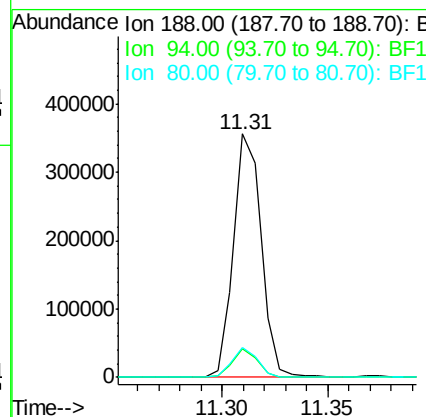
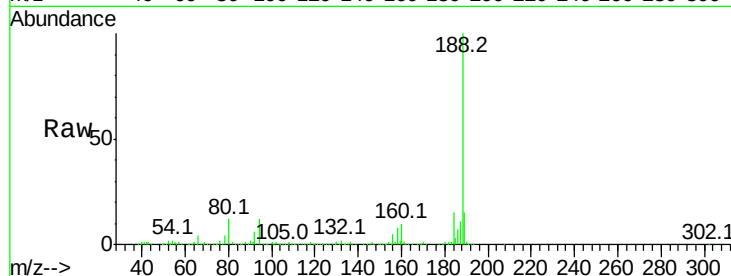
ClientSampleId :

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Tot Ion:	188	Resp:	321456
Ion Ratio	Lower	Upper	
188	100		
94	12.0	8.5	12.7
80	12.4	9.2	13.8

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#70

Phenanthrene

Concen: 15.682 ng

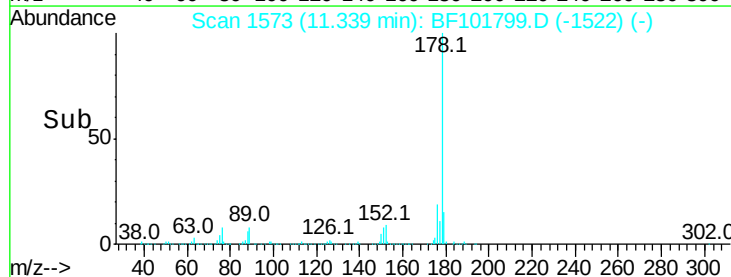
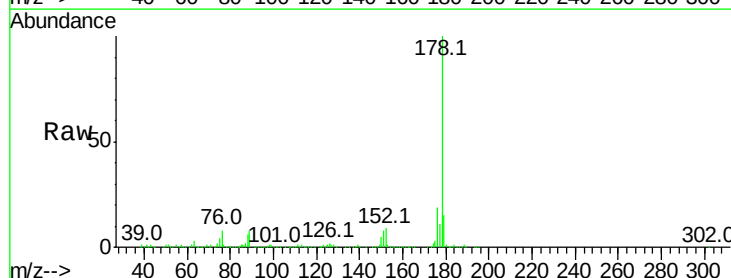
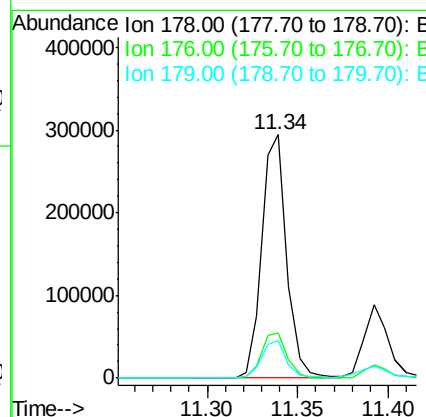
RT: 11.34 min Scan# 1573

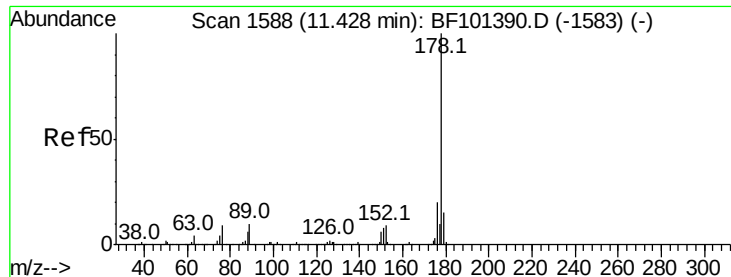
Delta R.T. -0.00 min

Lab File: BF101799.D

Acq: 28 Dec 2017 13:50

Tgt Ion:	178	Resp:	280346
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.8	23.8
179	15.4	13.0	19.6





#71

Anthracene

Concen: 4.380 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.00 min

Lab File: BF101799.D

Acq: 28 Dec 2017 13:50

Instrument :

BNA_F

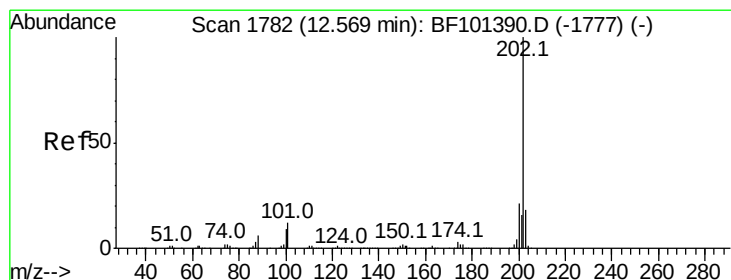
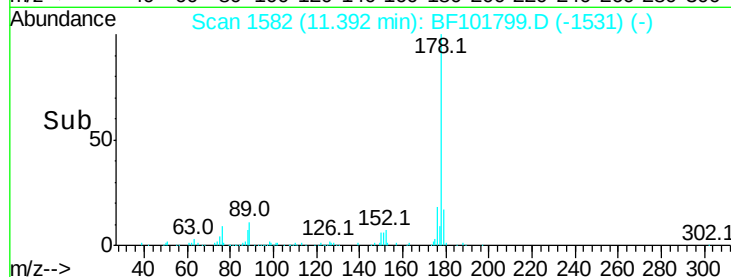
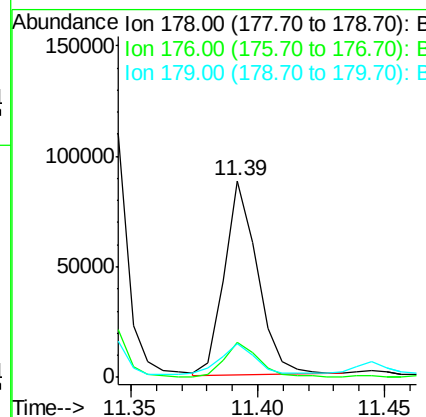
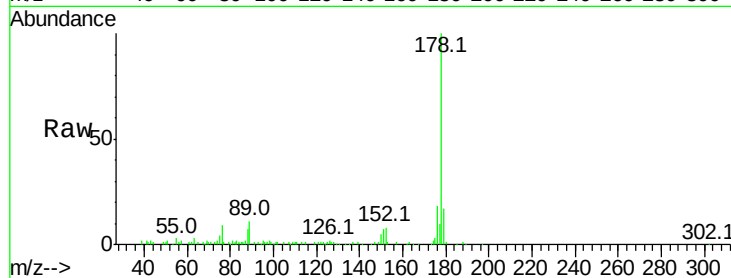
ClientSampleId :

SAMPLE-10

Tot Ion:	178	Resp:	79990
Ion Ratio	Lower	Upper	
178	100		
176	17.6	15.4	23.2
179	16.9	12.6	19.0

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#74

Fluoranthene

Concen: 23.325 ng

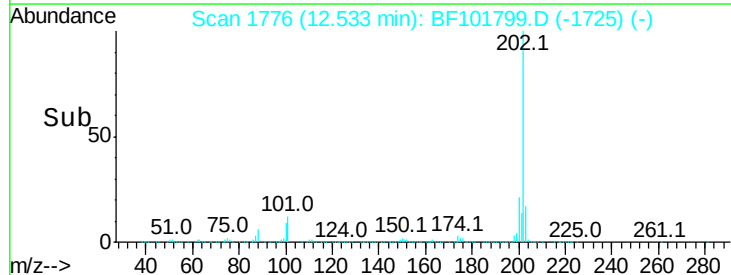
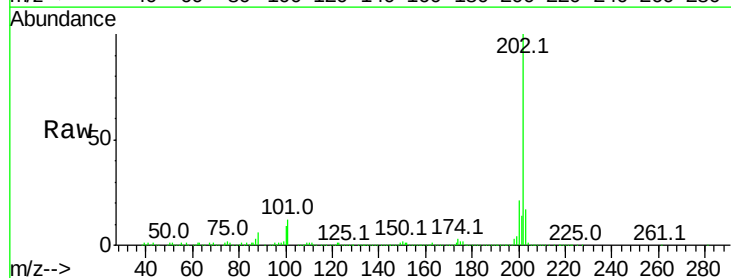
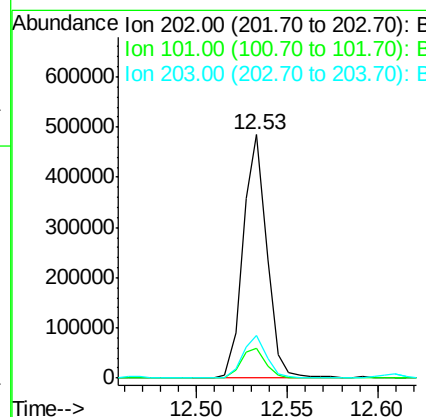
RT: 12.53 min Scan# 1776

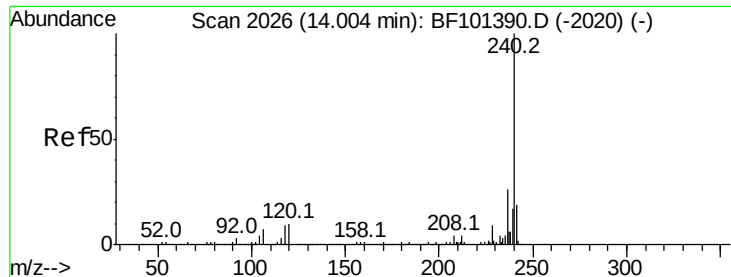
Delta R.T. -0.00 min

Lab File: BF101799.D

Acq: 28 Dec 2017 13:50

Tgt Ion:	202	Resp:	437667
Ion Ratio	Lower	Upper	
202	100		
101	12.1	0.0	34.1
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.00 min

Lab File: BF101799.D

Acq: 28 Dec 2017 13:50

Instrument :

BNA_F

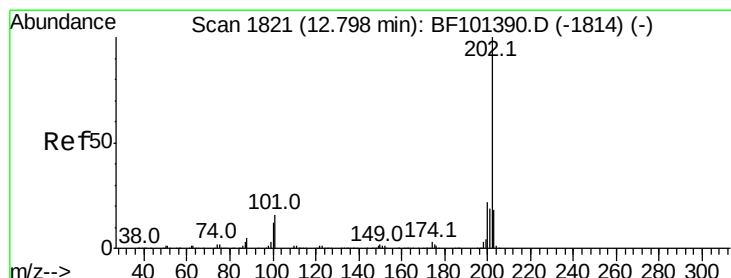
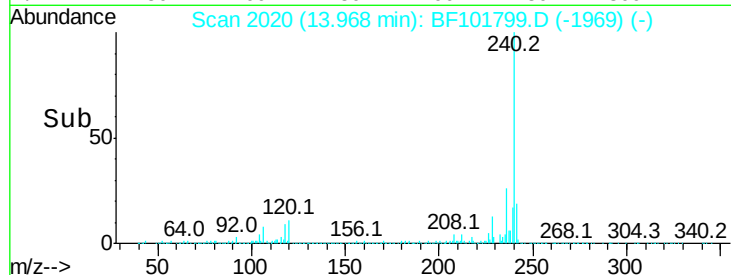
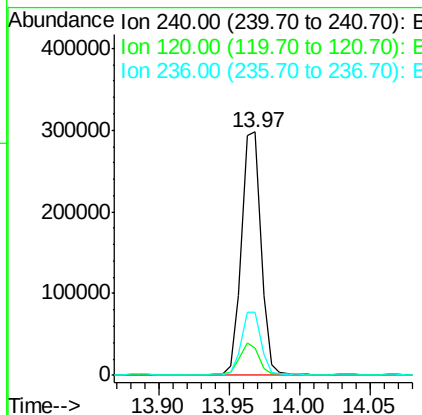
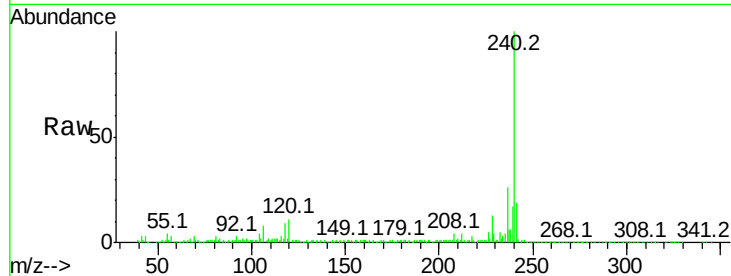
ClientSampleId :

SAMPLE-10

Tot Ion:	240	Resp:	288724
Ion Ratio	Lower	Upper	
240	100		
120	11.0	9.5	14.3
236	26.0	20.7	31.1

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#77

Pyrene

Concen: 18.710 ng

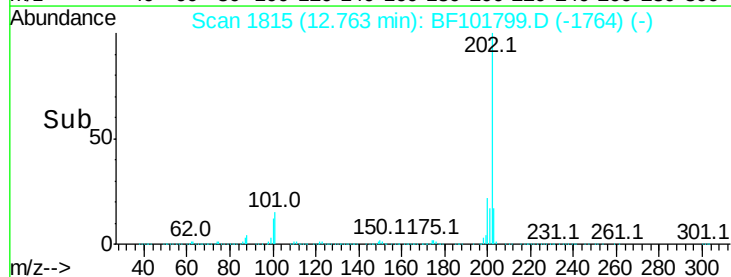
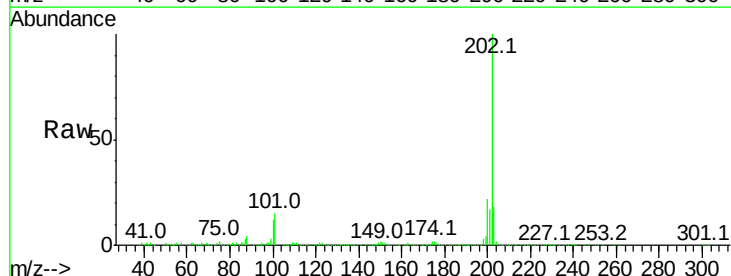
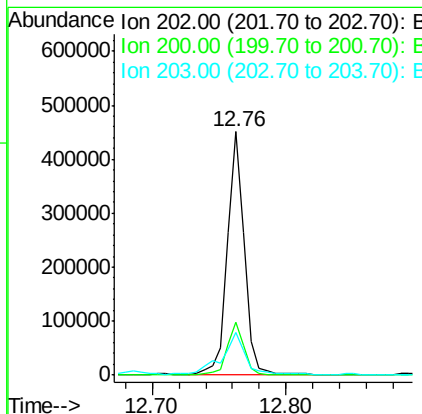
RT: 12.76 min Scan# 1815

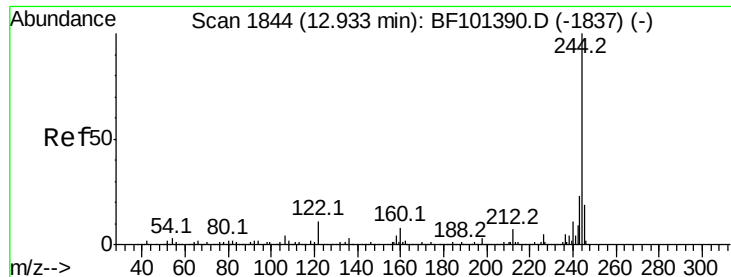
Delta R.T. -0.00 min

Lab File: BF101799.D

Acq: 28 Dec 2017 13:50

Tgt Ion:	202	Resp:	405417
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.4	26.2
203	17.6	14.3	21.5





#78

Terphenyl-d14

Concen: 59.051 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF101799.D

Acq: 28 Dec 2017 13:50

Instrument :

BNA_F

ClientSampled :

SAMPLE-10

Tot Ion:244 Resp: 707214

Ion Ratio Lower Upper

244 100

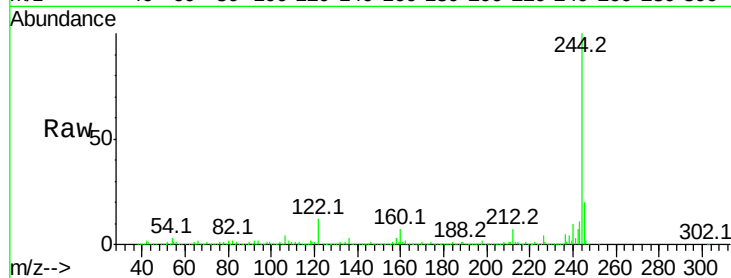
212 6.8 5.4 8.0

122 11.7 11.0 16.4

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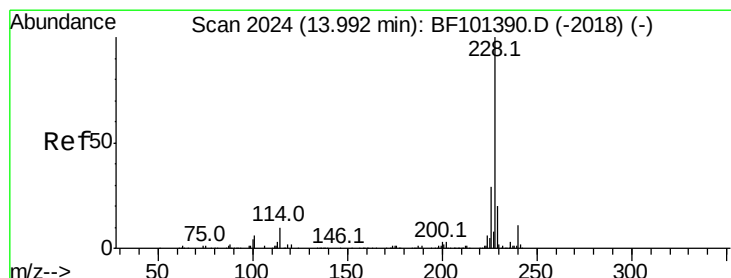
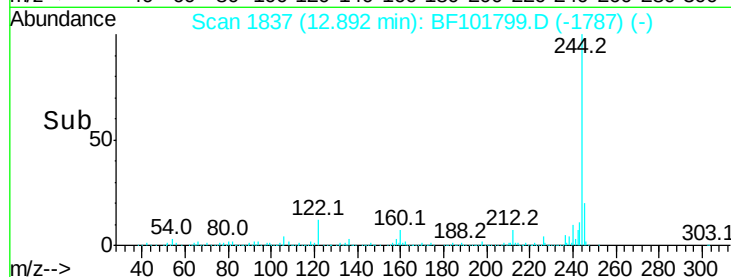
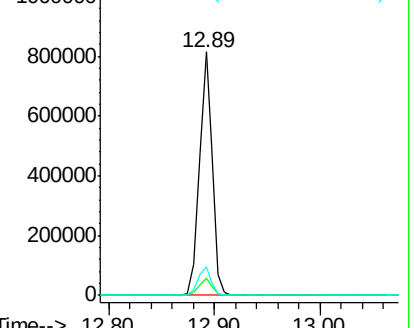
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 12.558 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.00 min

Lab File: BF101799.D

Acq: 28 Dec 2017 13:50

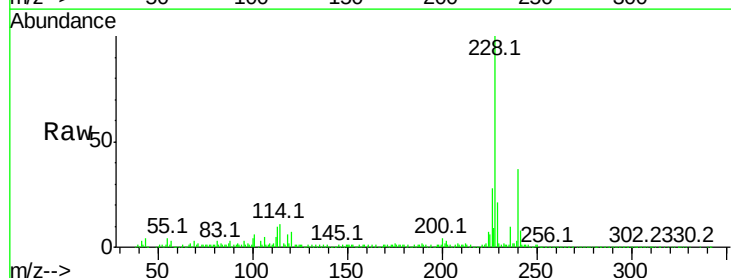
Tgt Ion:228 Resp: 239421

Ion Ratio Lower Upper

228 100

226 27.5 22.6 33.8

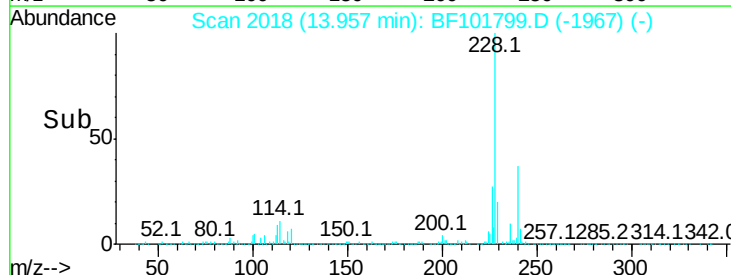
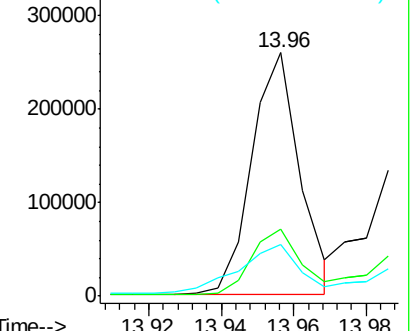
229 21.1 15.8 23.6

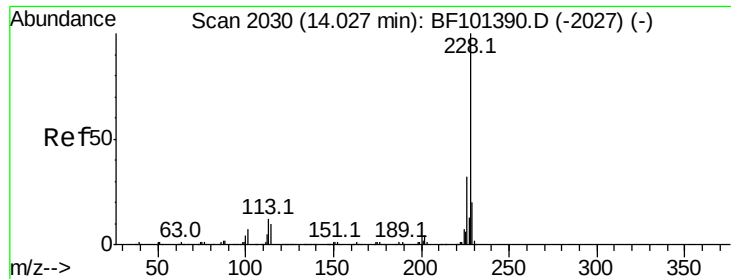


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





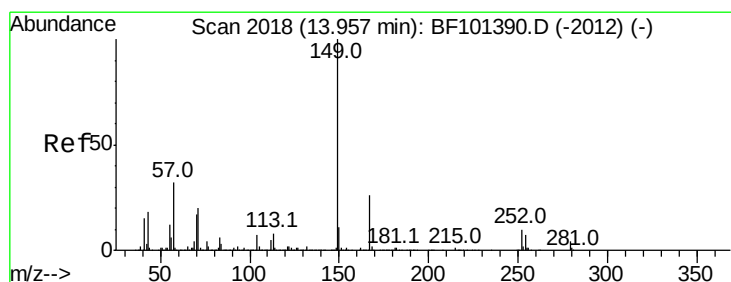
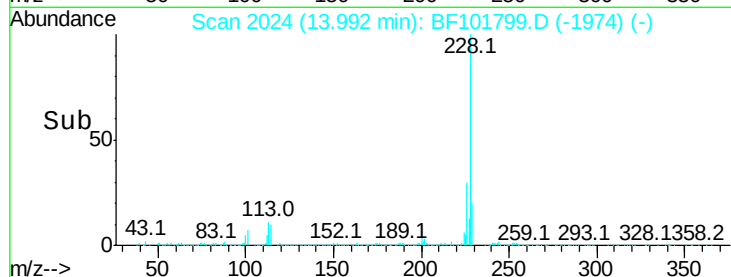
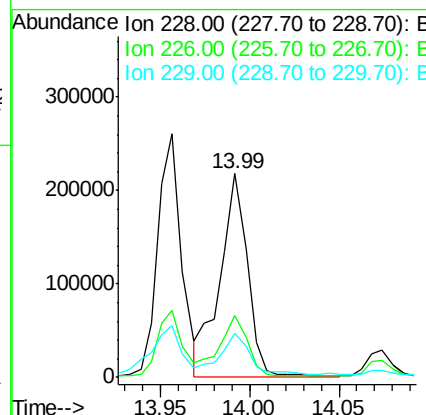
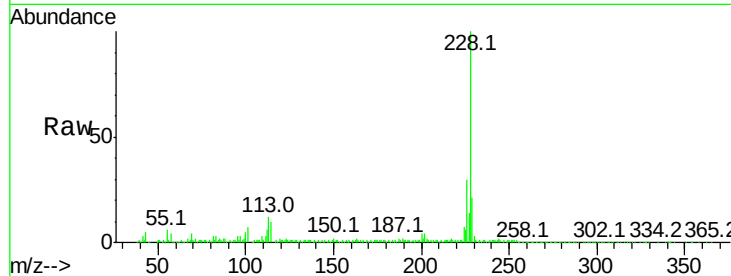
#82
 Chrysene
 Concen: 13.207 ng m
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF101799.D
 Acq: 28 Dec 2017 13:50

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-10

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	21.3	16.2	24.4

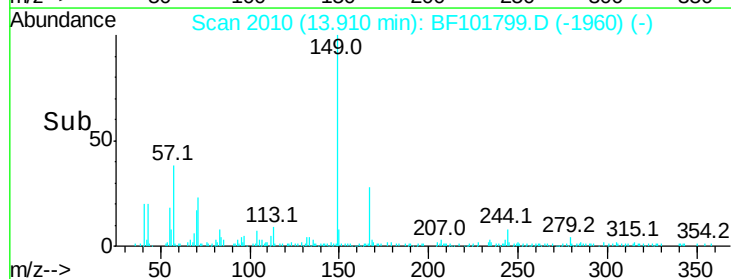
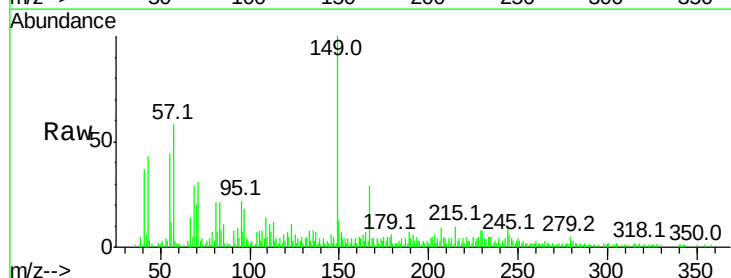
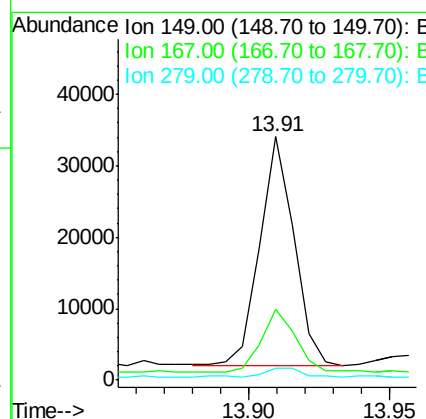
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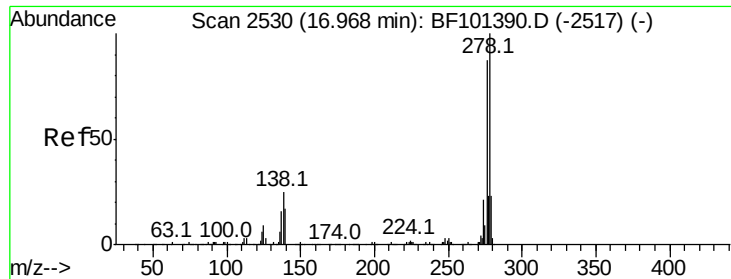
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#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.163 ng
 RT: 13.91 min Scan# 2010
 Delta R.T. -0.01 min
 Lab File: BF101799.D
 Acq: 28 Dec 2017 13:50

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.2	21.3	31.9
279	4.8	3.0	4.4#





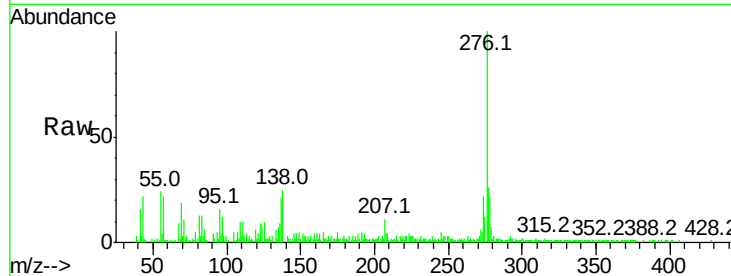
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.921 ng
RT: 16.93 min Scan# 2523
Delta R.T. 0.02 min
Lab File: BF101799.D
Acq: 28 Dec 2017 13:50

Instrument :
BNA_F
ClientSampleId :
SAMPLE-10

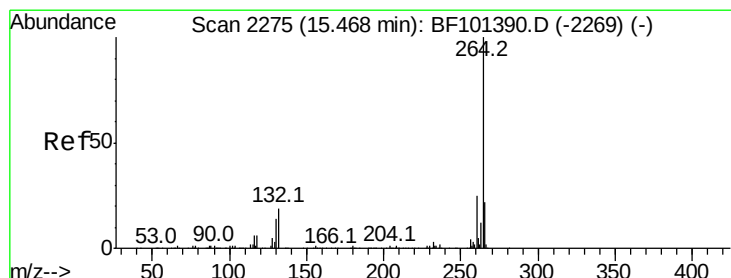
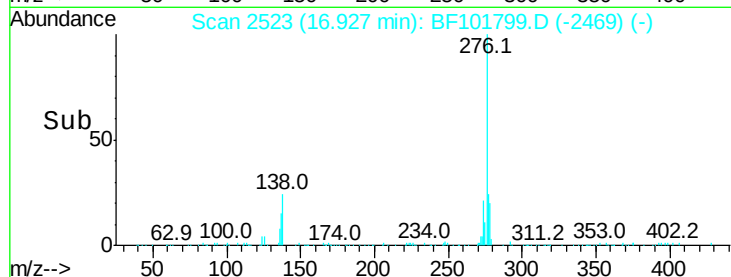
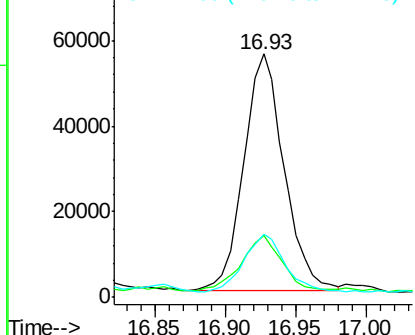
Tot Ion	Ratio	Resp	Lower	Upper
276	100			
138	22.4	25.0	37.6	
277	24.2	20.1	30.1	

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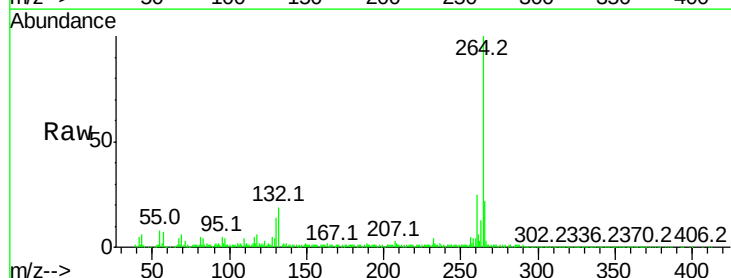


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

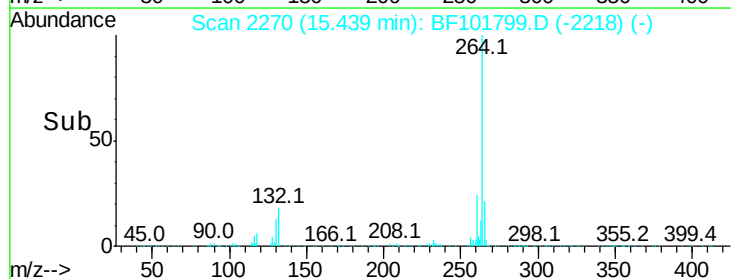
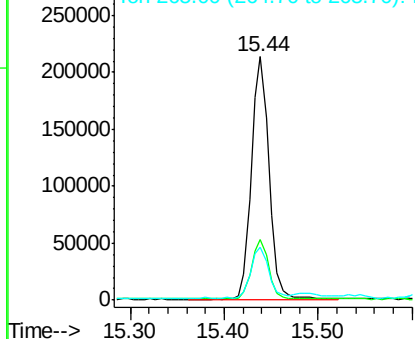


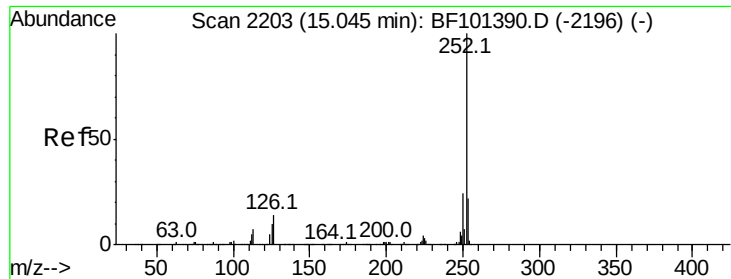
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF101799.D
Acq: 28 Dec 2017 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.7	19.2	28.8	
265	21.9	17.5	26.3	



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





#87

Benzo(b)fluoranthene

Concen: 16.419 ng m

RT: 15.01 min Scan# 2197

Delta R.T. 0.01 min

Lab File: BF101799.D

Acq: 28 Dec 2017 13:50

Instrument :

BNA_F

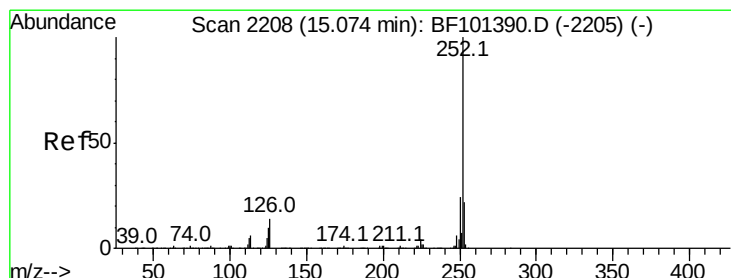
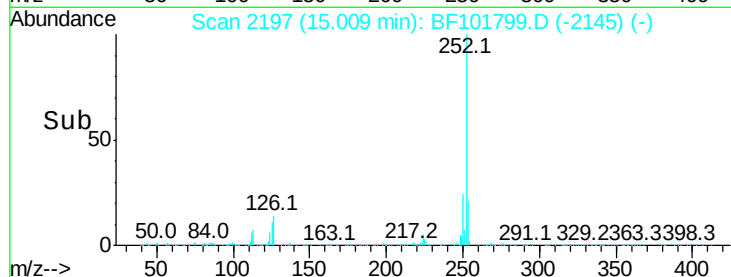
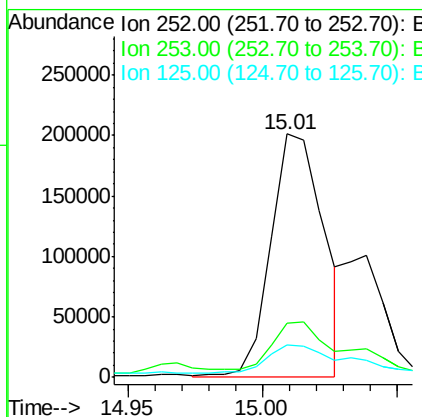
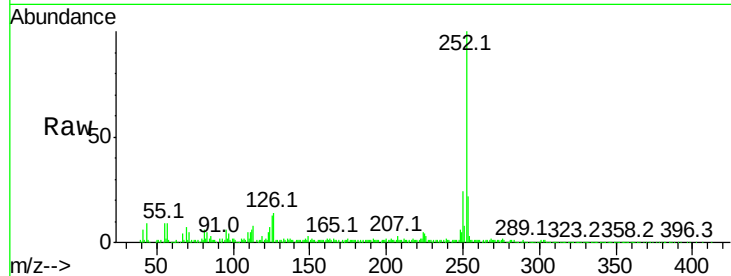
ClientSampleId :

SAMPLE-10

Tot Ion:	252	Resp:	277517
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.0	25.6
125	13.4	9.0	13.6

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#88

Benzo(k)fluoranthene

Concen: 6.499 ng m

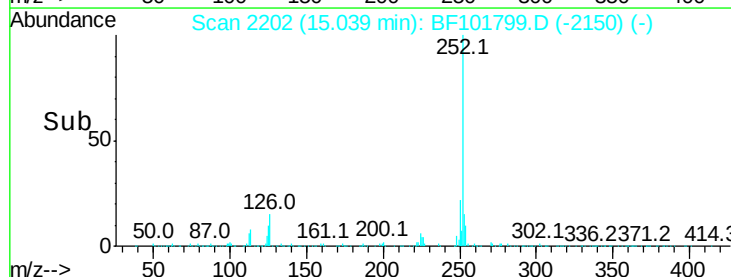
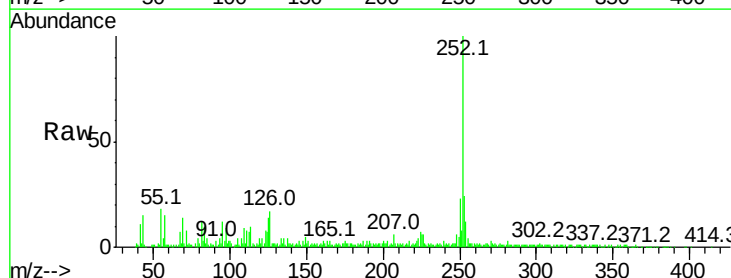
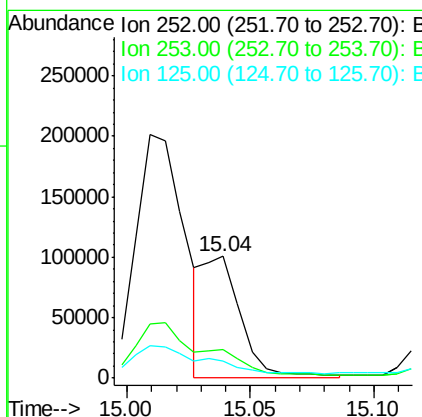
RT: 15.04 min Scan# 2202

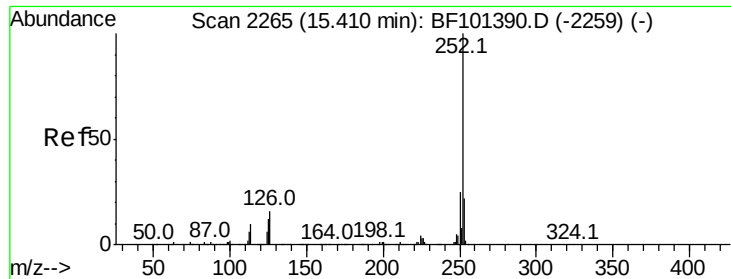
Delta R.T. 0.01 min

Lab File: BF101799.D

Acq: 28 Dec 2017 13:50

Tgt Ion:	252	Resp:	106806
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.9	26.9
125	13.8	10.2	15.2





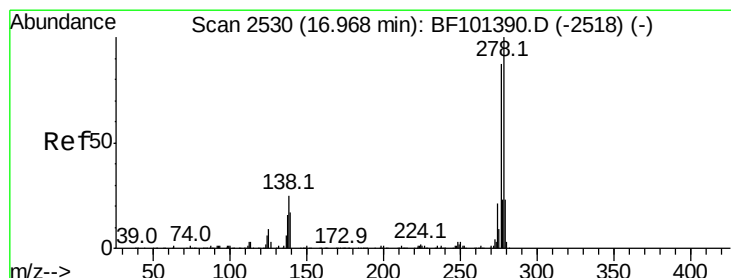
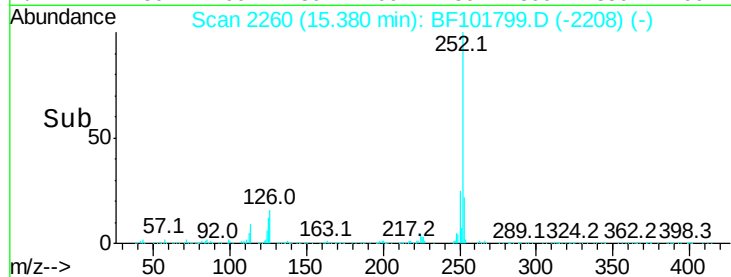
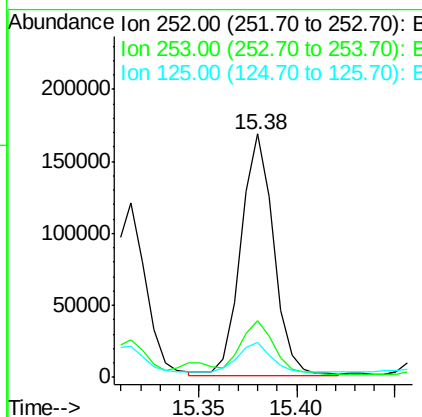
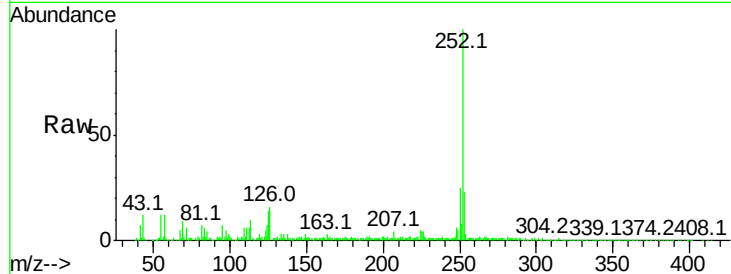
#89
Benzo(a)pyrene
Concen: 12.501 ng
RT: 15.38 min Scan# 2260
Delta R.T. 0.01 min
Lab File: BF101799.D
Acq: 28 Dec 2017 13:50

Instrument :
BNA_F
ClientSampleId :
SAMPLE-10

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.3	17.1	25.7
125	14.2	9.8	14.6

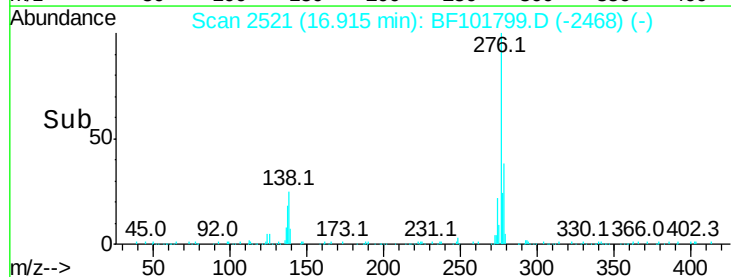
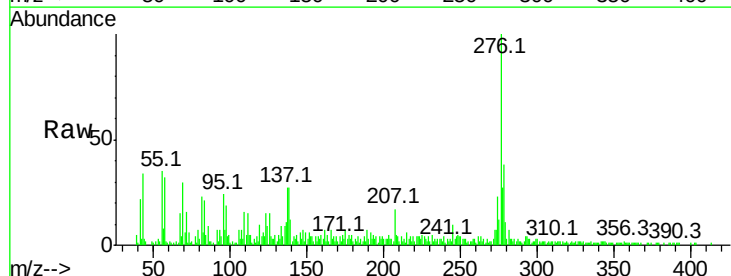
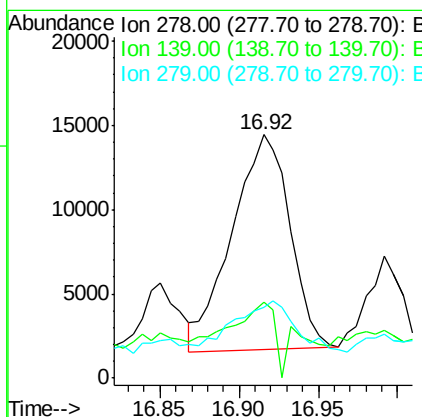
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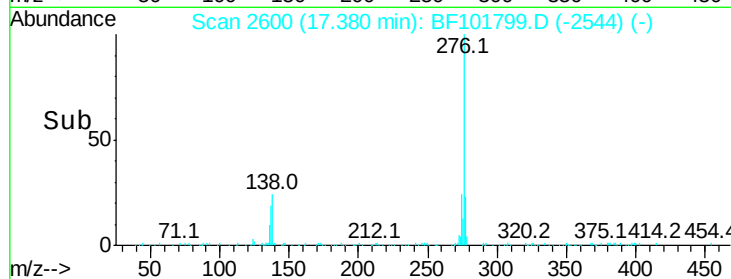
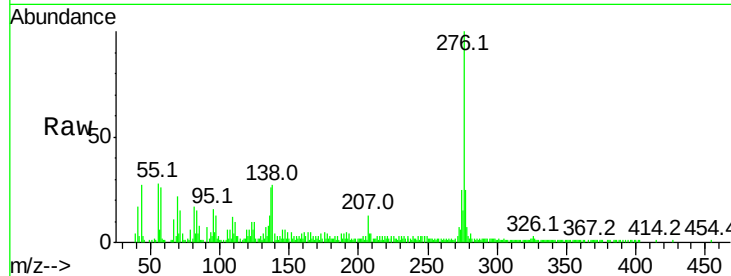
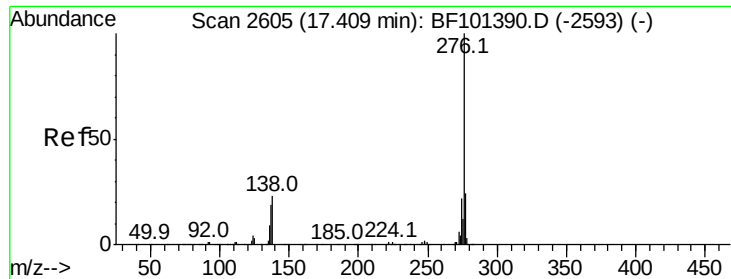
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#90
Dibenzo(a,h)anthracene
Concen: 2.415 ng
RT: 16.92 min Scan# 2521
Delta R.T. 0.01 min
Lab File: BF101799.D
Acq: 28 Dec 2017 13:50

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	31.4	15.9	23.9#
279	29.3	19.0	28.4#





#91
Benzo(a,h,i)perylene
Concen: 8.148 ng
RT: 17.38 min Scan# 2600
Delta R.T. 0.03 min
Lab File: BF101799.D
Acq: 28 Dec 2017 13:50

Instrument :
BNA_F
ClientSampleId :
SAMPLE-10

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.5	17.9	26.9
138	26.8	21.8	32.8

Manual Integrations
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