

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF040218\
 Data File : BF104148.D
 Acq On : 2 Apr 2018 20:56
 Operator : JU/SJ
 Sample : J2099-08 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-032718

Manual Integrations
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 4/3/2018 2:27:34 PM

Quant Time: Apr 03 11:18:45 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 02 13:40:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	93037	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	408017	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	193546	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	302782	20.00	ng	0.00
75) Chrysene-d12	14.16	240	199121	20.00	ng	0.00
86) Perylene-d12	15.70	264	204500	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	37588m	6.44	ng	0.02
7) Phenol-d6	6.60	99	47589	6.63	ng	0.00
23) Nitrobenzene-d5	7.53	82	38353	5.75	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	17503	8.12	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	85487	6.97	ng	0.00
78) Terphenyl-d14	13.08	244	65200	7.56	ng	0.00

Target Compounds

						Qvalue
31) Naphthalene	8.26	128	149811	7.516	ng	98
45) 1,1'-Biphenyl	9.42	154	34641	2.085	ng	100
48) Acenaphthylene	9.86	152	385823	19.436	ng	100
51) Acenaphthene	10.03	154	62140	5.411	ng	98
54) Dibenzofuran	10.20	168	37382	2.229	ng	# 90
57) Fluorene	10.55	166	222402	16.078	ng	97
70) Phenanthrene	11.52	178	850306	51.870	ng	99
71) Anthracene	11.57	178	291687	17.035	ng	99
74) Fluoranthene	12.72	202	357891	20.539	ng	97
77) Pyrene	12.96	202	572113	39.969	ng	99
80) Benzo(a)anthracene	14.14	228	234606	18.830	ng	# 88
82) Chrysene	14.18	228	181192	14.848	ng	95
85) Indeno(1,2,3-cd)pyrene	17.29	276	83281	6.586	ng	# 88
87) Benzo(b)fluoranthene	15.24	252	175239m	14.080	ng	
88) Benzo(k)fluoranthene	15.26	252	75957m	6.479	ng	
89) Benzo(a)pyrene	15.63	252	196674	17.053	ng	96
90) Dibenzo(a,h)anthracene	17.29	278	22198	2.082	ng	# 76
91) Benzo(g,h,i)perylene	17.77	276	83372	7.806	ng	96

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

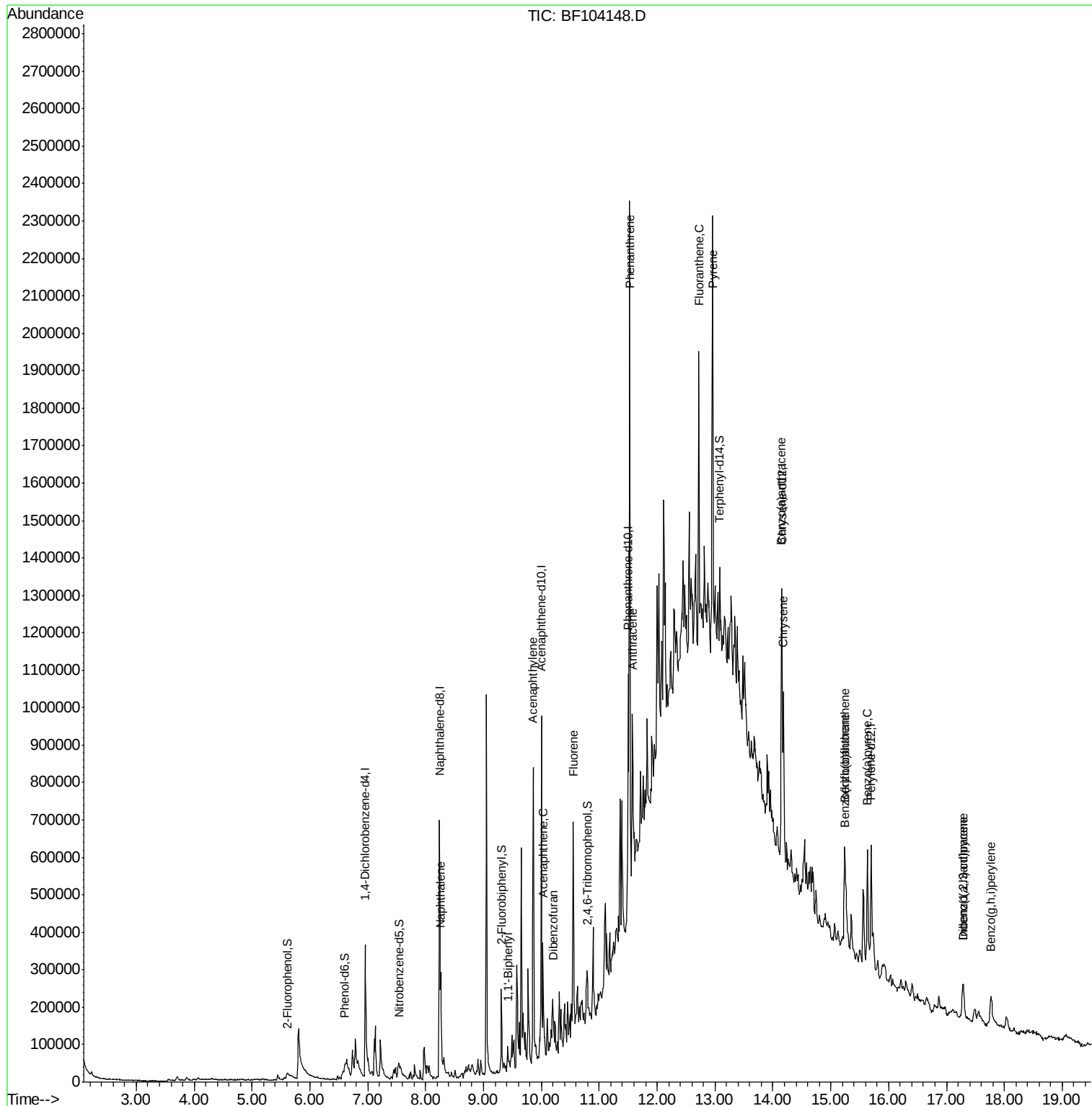
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF040218\
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#1

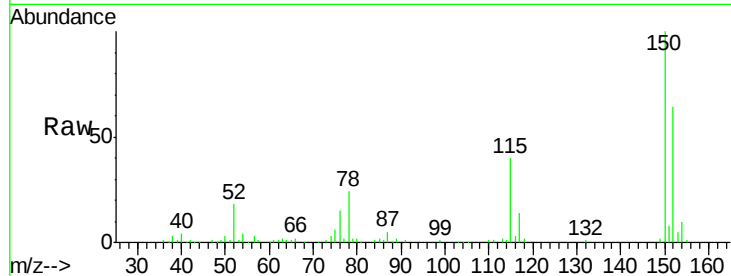
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF104148.D
Acq: 2 Apr 2018 20:56

Instrument :
BNA_F
ClientSampleId :
DUP-032718

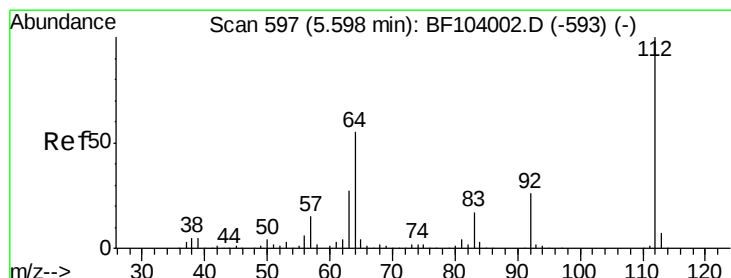
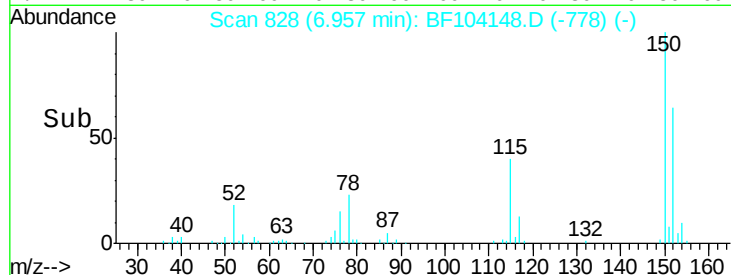
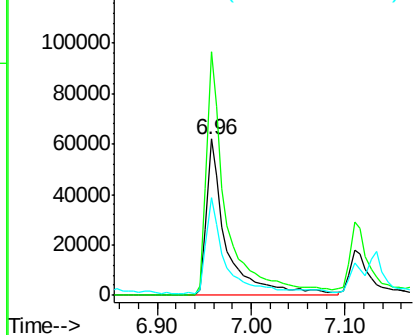
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.6	186.8
115	62.6	50.1	75.1

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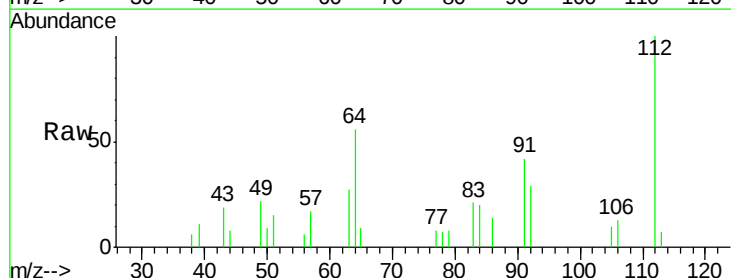
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



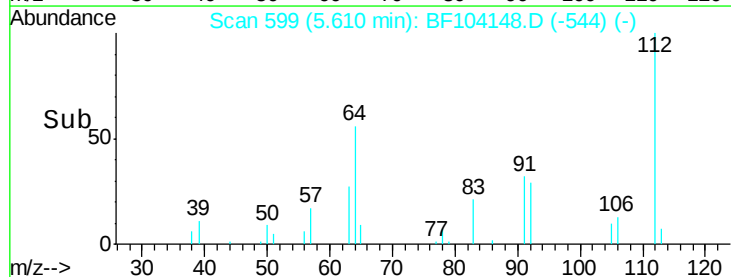
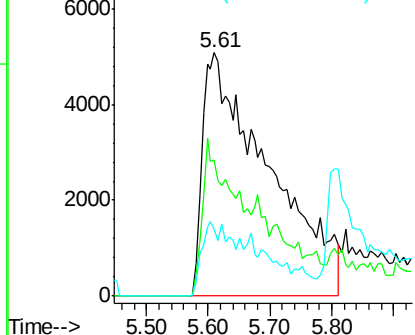
#5

2-Fluorophenol
Concen: 6.443 ng m
RT: 5.61 min Scan# 599
Delta R.T. 0.02 min
Lab File: BF104148.D
Acq: 2 Apr 2018 20:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.7	47.9	71.9
63	27.3	23.7	35.5



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: 6.630 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.01 min

Lab File: BF104148.D

Acq: 2 Apr 2018 20:56

Instrument :

BNA_F

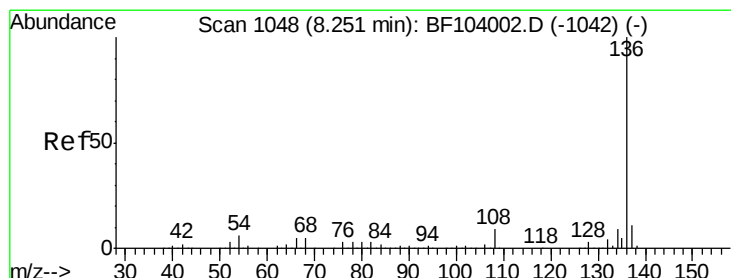
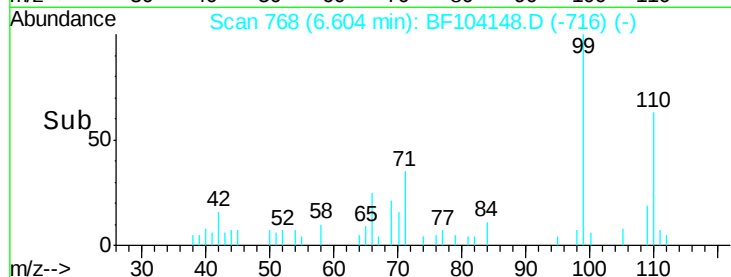
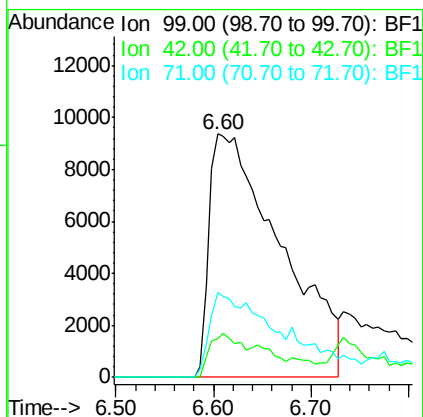
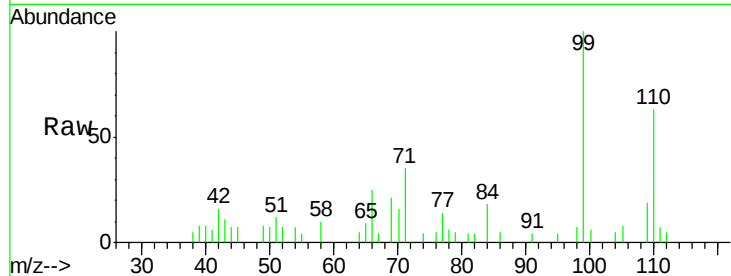
ClientSampleId :

DUP-032718

Tot Ion:	99	Resp:	47589
Ion	Ratio	Lower	Upper
99	100		
42	16.1	14.5	21.7
71	35.1	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

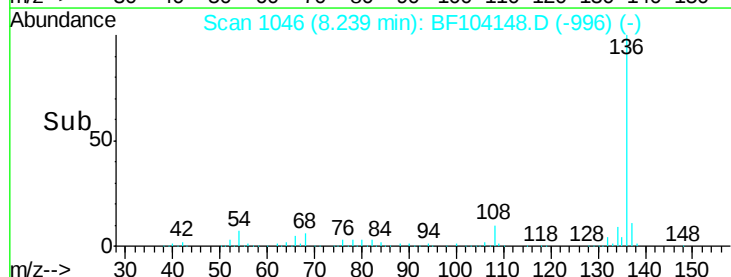
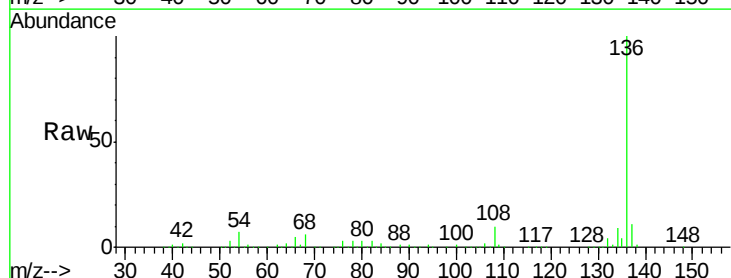
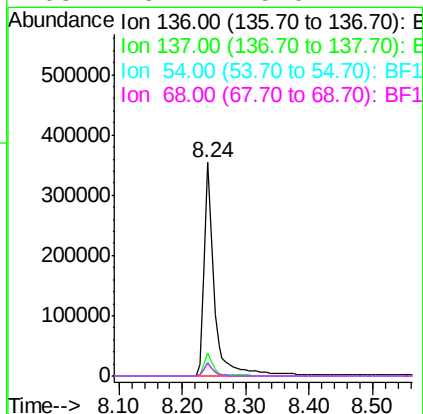
RT: 8.24 min Scan# 1046

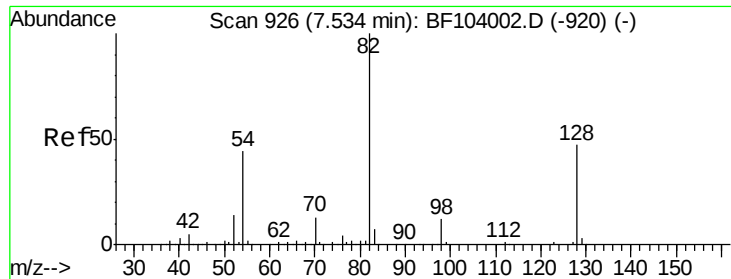
Delta R.T. -0.01 min

Lab File: BF104148.D

Acq: 2 Apr 2018 20:56

Tgt Ion:	136	Resp:	408017
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.6	6.6	9.8#
68	5.7	5.0	7.4





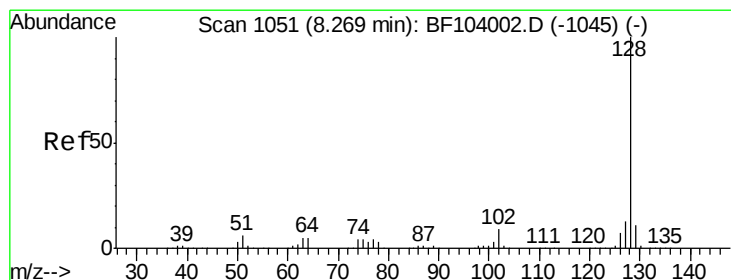
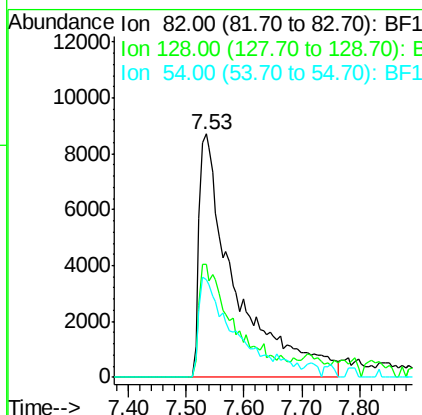
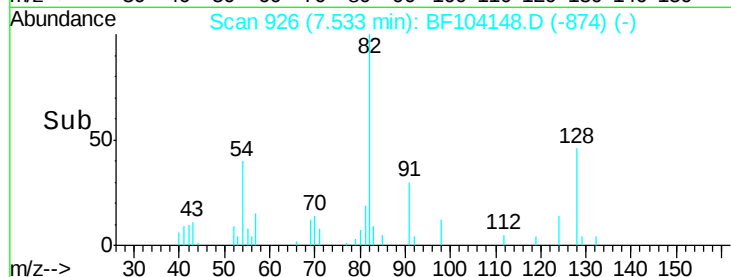
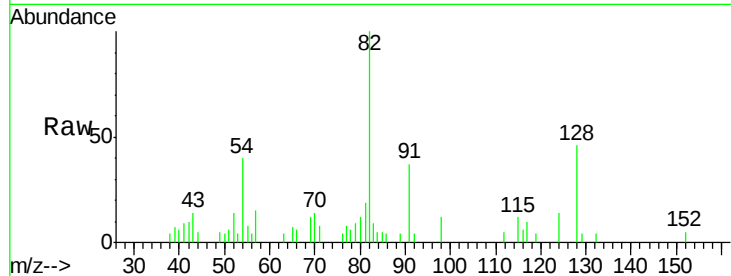
#23
 Nitrobenzene-d5
 Concen: 5.749 ng
 RT: 7.53 min Scan# 926
 Delta R.T. 0.01 min
 Lab File: BF104148.D
 Acq: 2 Apr 2018 20:56

Instrument :
 BNA_F
 ClientSampleId :
 DUP-032718

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.4	36.1	54.1
54	40.3	41.4	62.2#

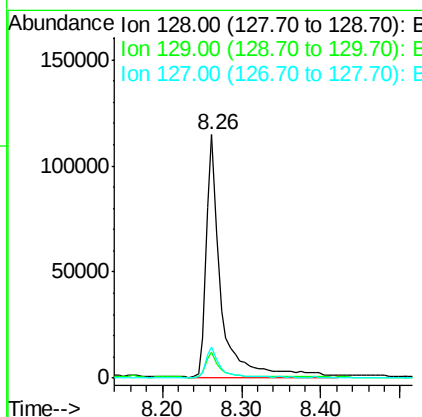
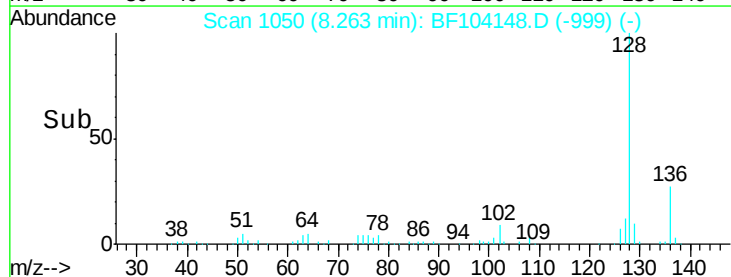
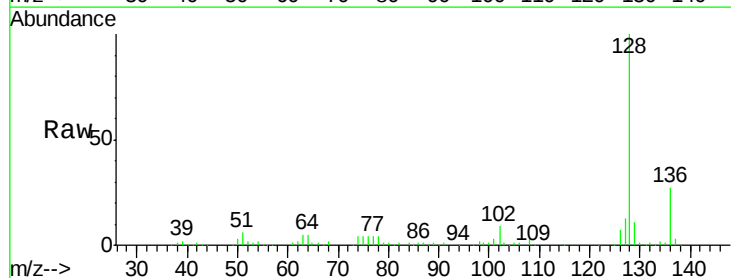
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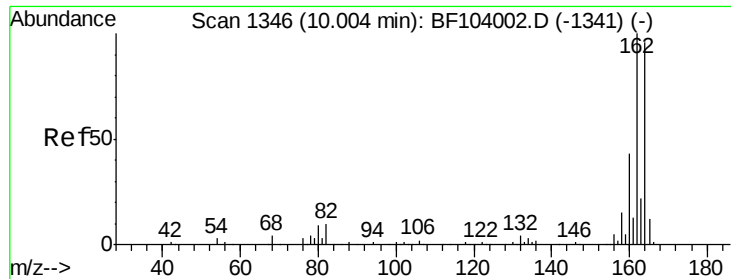
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#31
 Naphthalene
 Concen: 7.516 ng
 RT: 8.26 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: BF104148.D
 Acq: 2 Apr 2018 20:56

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.8	13.2
127	12.7	10.9	16.3





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1345

Delta R.T. -0.00 min

Lab File: BF104148.D

Acq: 2 Apr 2018 20:56

Instrument :

BNA_F

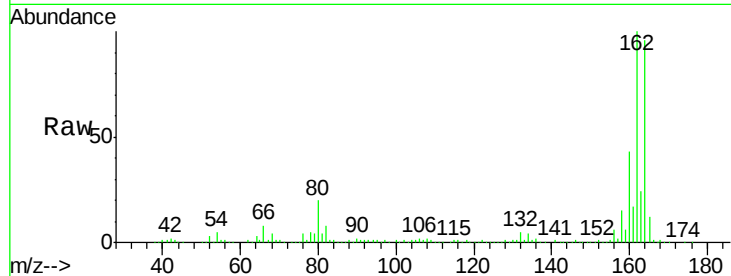
ClientSampleId :

DUP-032718

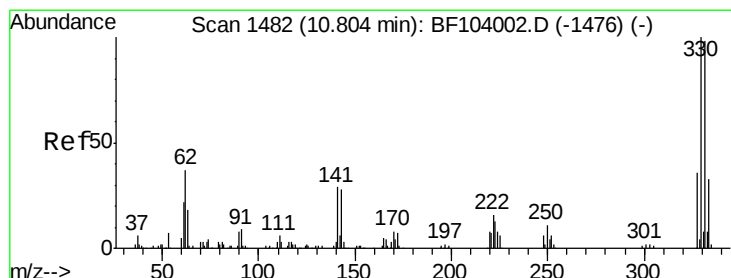
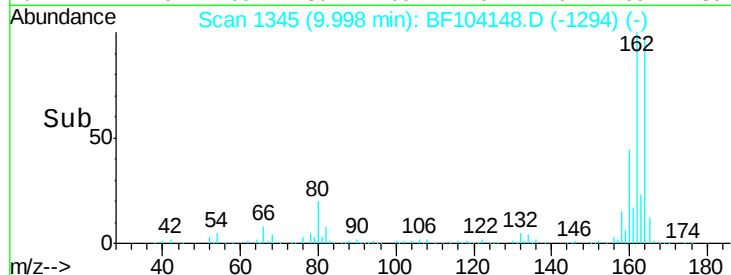
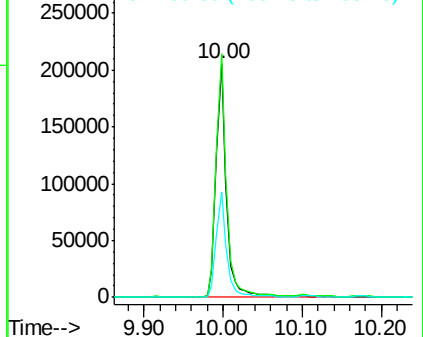
Tot Ion:	164	Resp:	193546
Ion Ratio	Lower	Upper	
164	100		
162	104.2	86.1	129.1
160	45.2	38.3	57.5

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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 8.122 ng

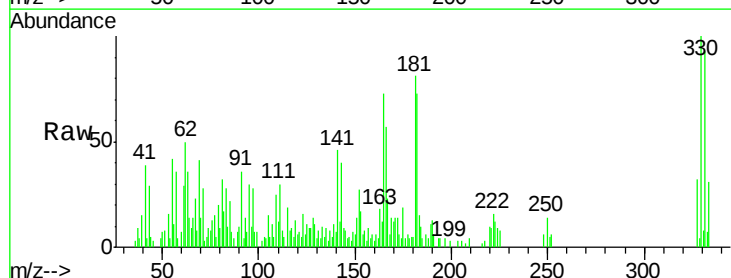
RT: 10.79 min Scan# 1480

Delta R.T. -0.01 min

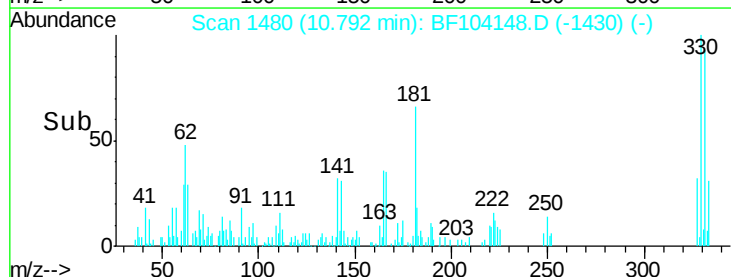
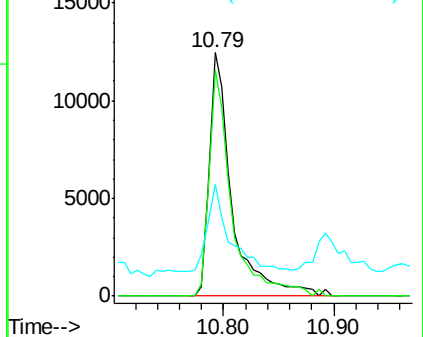
Lab File: BF104148.D

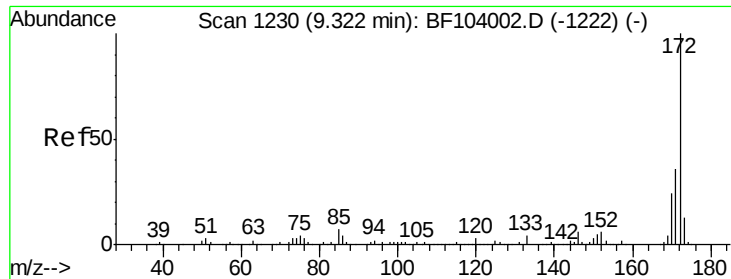
Acq: 2 Apr 2018 20:56

Tgt Ion:	330	Resp:	17503
Ion Ratio	Lower	Upper	
330	100		
332	92.1	77.0	115.6
141	35.1	29.9	44.9



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





#44

2-Fluorobiphenyl

Concen: 6.965 ng

RT: 9.31 min Scan# 1228

Delta R.T. -0.01 min

Lab File: BF104148.D

Acq: 2 Apr 2018 20:56

Instrument :

BNA_F

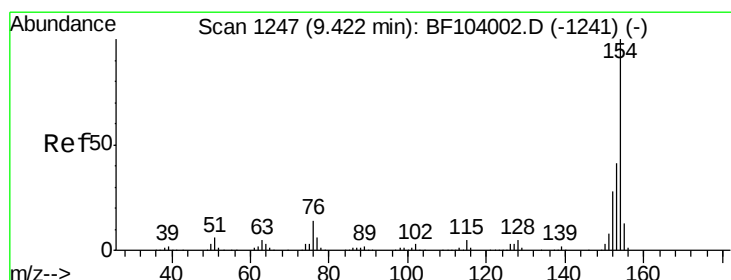
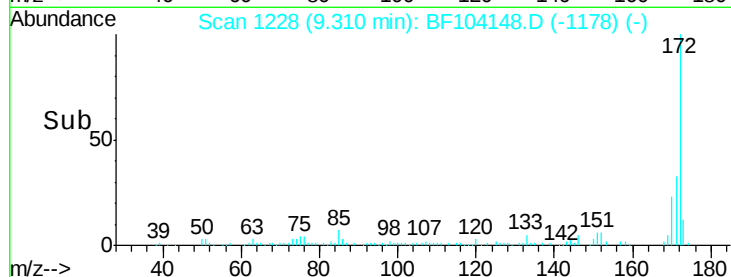
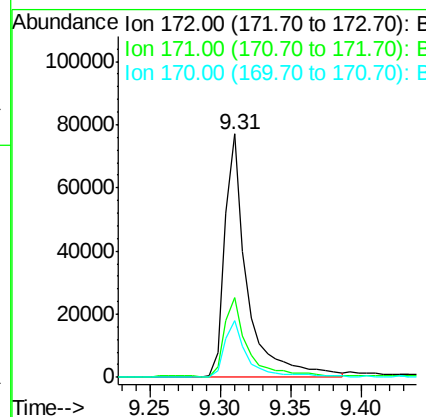
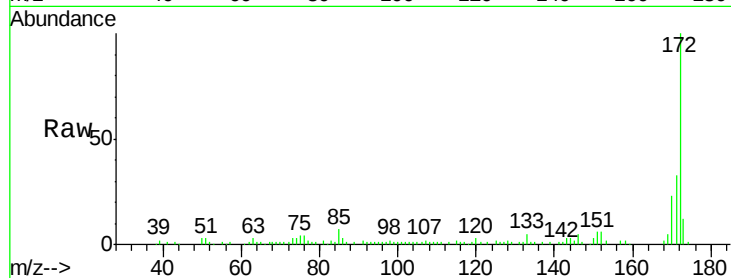
ClientSampled :

DUP-032718

Tot Ion:	172	Resp:	85487
Ion Ratio	Lower	Upper	
172	100		
171	32.9	29.7	44.5
170	23.4	19.6	29.4

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#45

1,1'-Biphenyl

Concen: 2.085 ng

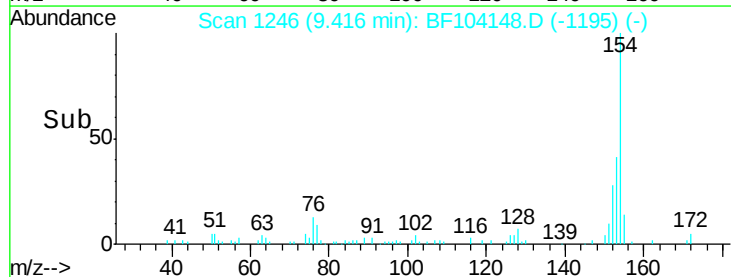
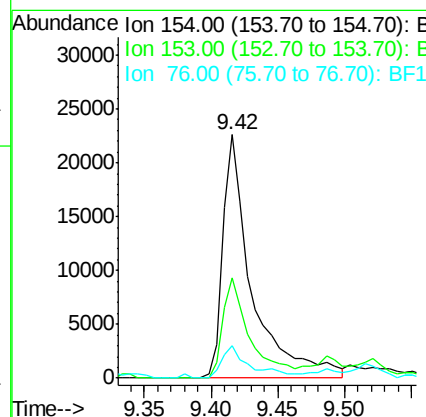
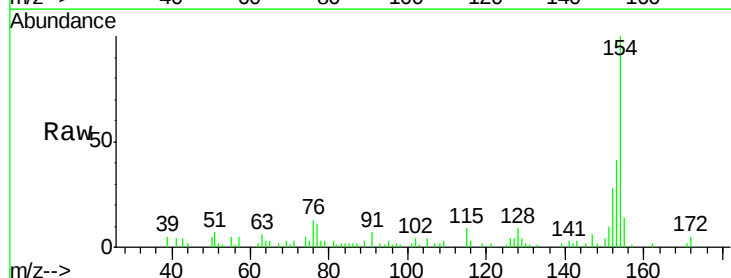
RT: 9.42 min Scan# 1246

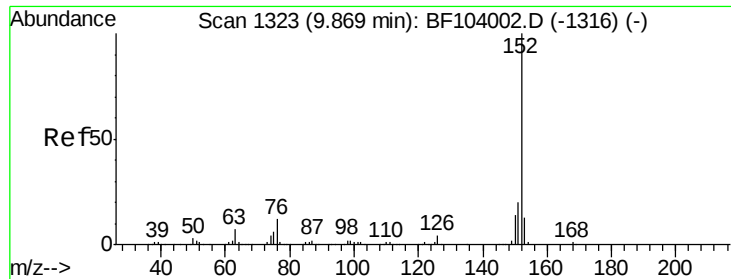
Delta R.T. -0.00 min

Lab File: BF104148.D

Acq: 2 Apr 2018 20:56

Tgt Ion:	154	Resp:	34641
Ion Ratio	Lower	Upper	
154	100		
153	41.4	21.3	61.3
76	13.4	0.0	34.0





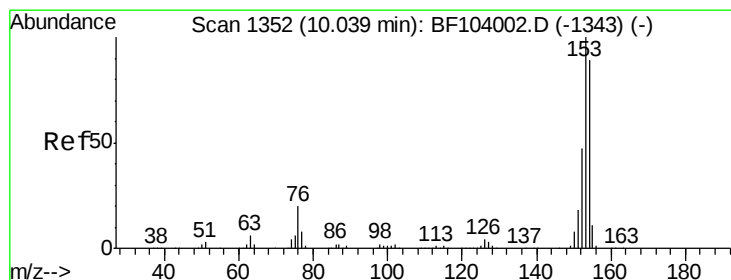
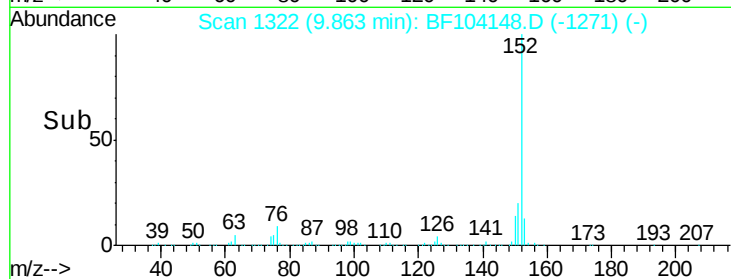
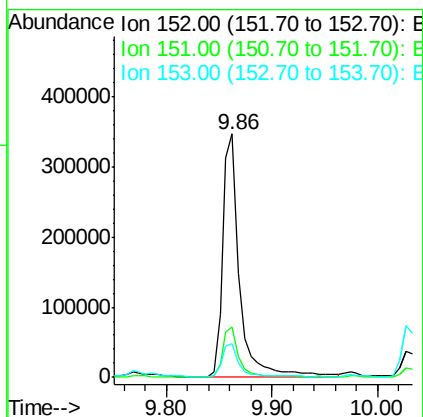
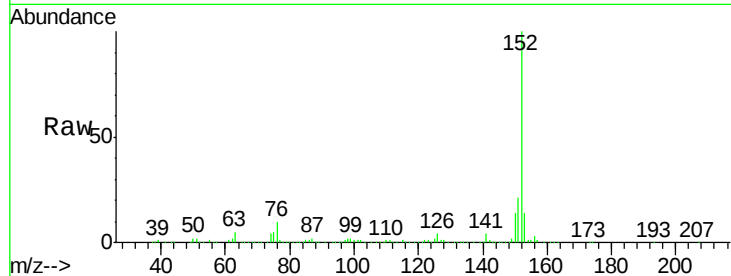
#48
Acenaphthylene
Concen: 19.436 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.00 min
Lab File: BF104148.D
Acq: 2 Apr 2018 20:56

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DUP-032718

Tot Ion	Ratio	Resp	Lower	Upper
152	100	385823		
151	20.5		16.3	24.5
153	13.7		10.7	16.1

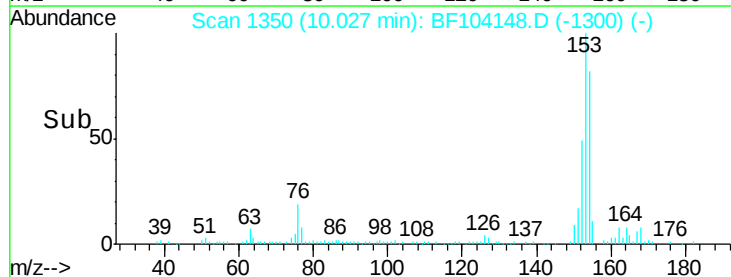
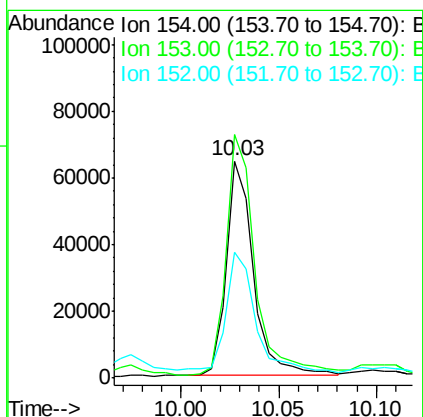
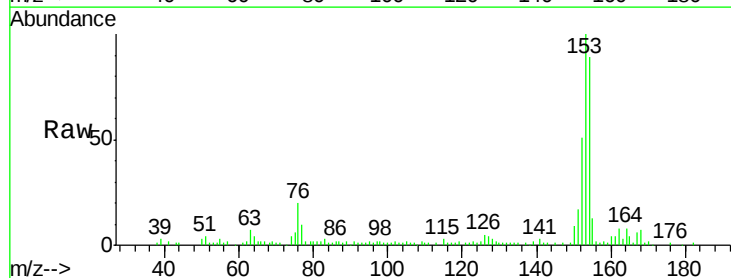
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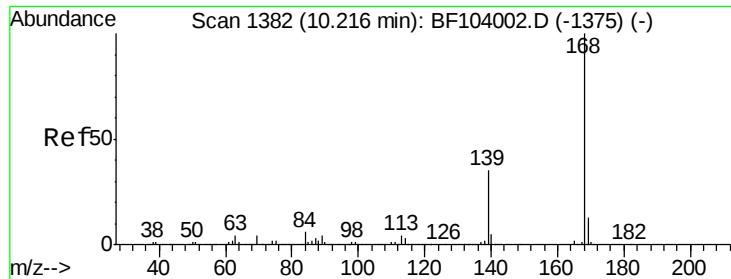
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#51
Acenaphthene
Concen: 5.411 ng
RT: 10.03 min Scan# 1350
Delta R.T. -0.01 min
Lab File: BF104148.D
Acq: 2 Apr 2018 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	62140		
153	112.2		91.2	136.8
152	57.8		43.8	65.8





#54

Dibenzenofuran

Concen: 2.229 ng

RT: 10.20 min Scan# 1380

Delta R.T. -0.01 min

Lab File: BF104148.D

Acq: 2 Apr 2018 20:56

Instrument :

BNA_F

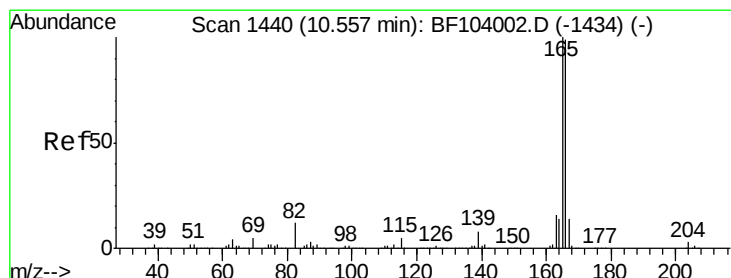
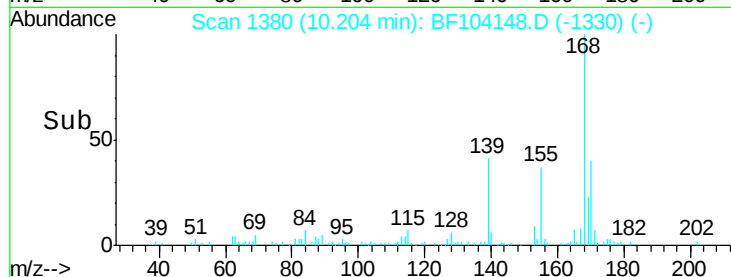
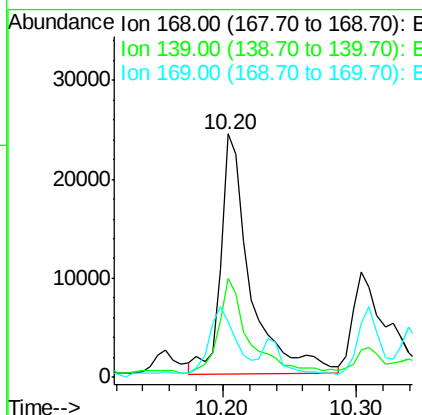
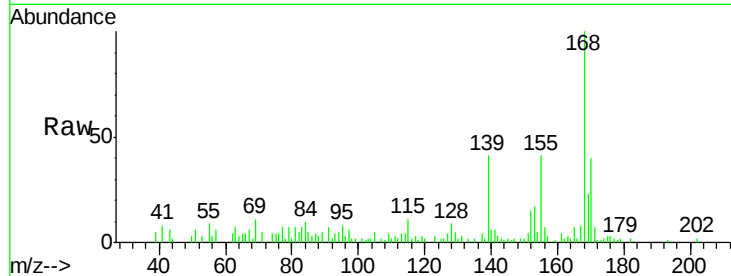
ClientSampleId :

DUP-032718

Tot Ion	Ratio	Lower	Upper
168	100		
139	40.7	30.1	45.1
169	22.5	10.9	16.3

Manual Integrations
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#57

Fluorene

Concen: 16.078 ng

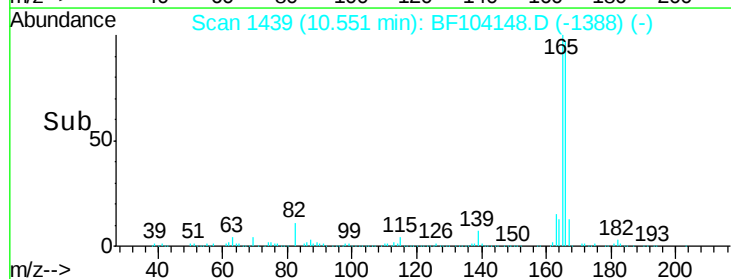
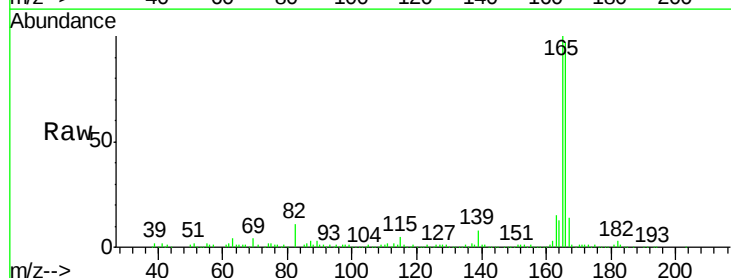
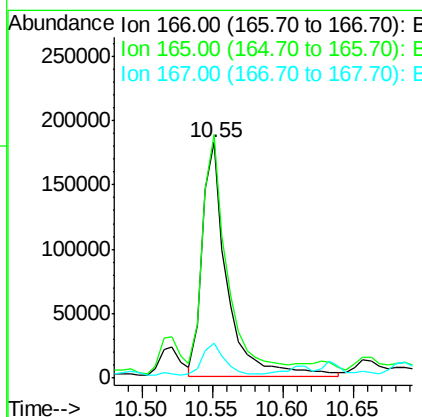
RT: 10.55 min Scan# 1439

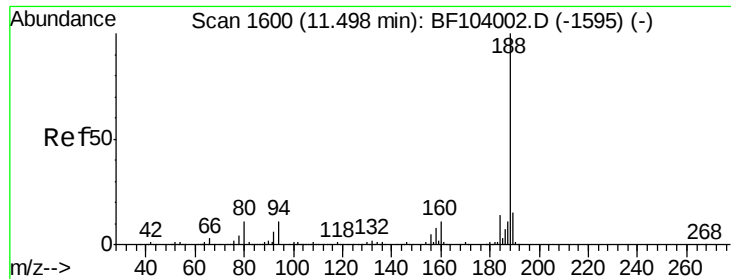
Delta R.T. -0.00 min

Lab File: BF104148.D

Acq: 2 Apr 2018 20:56

Tgt Ion	Ratio	Lower	Upper
166	100		
165	103.3	79.8	119.8
167	14.7	10.6	16.0





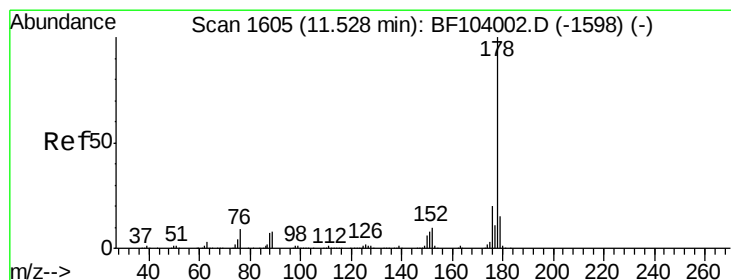
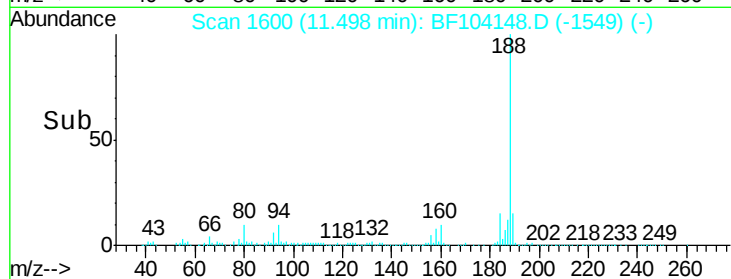
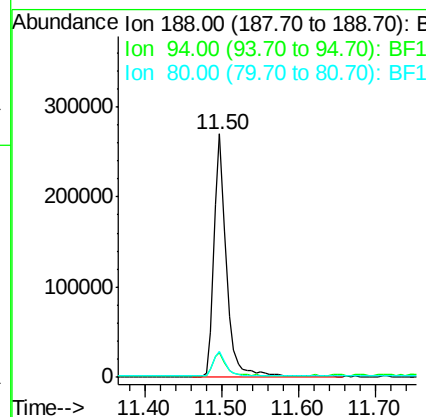
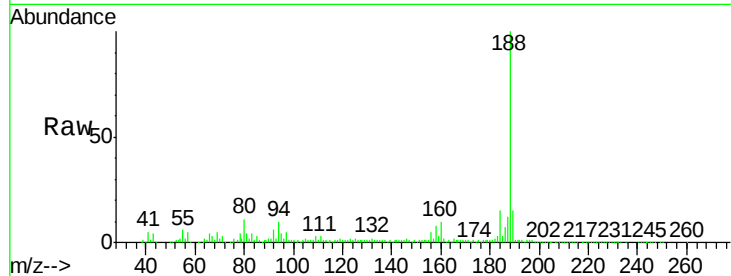
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.00 min
Lab File: BF104148.D
Acq: 2 Apr 2018 20:56

Instrument :
BNA_F
ClientSampleId :
DUP-032718

Tot Ion	Ratio	Resp	Lower	Upper
188	100	302782		
94	10.3		8.5	12.7
80	10.6		9.2	13.8

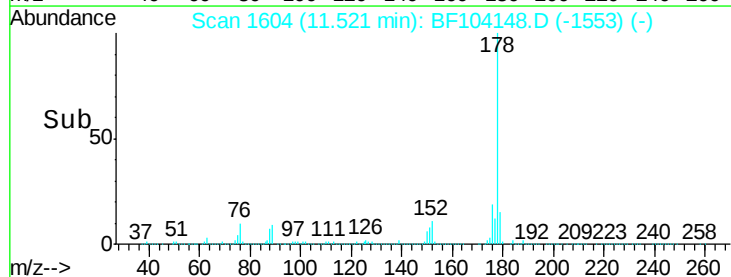
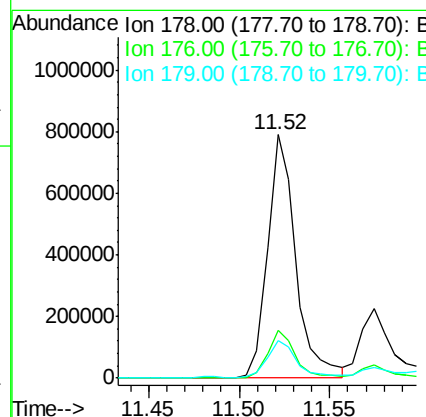
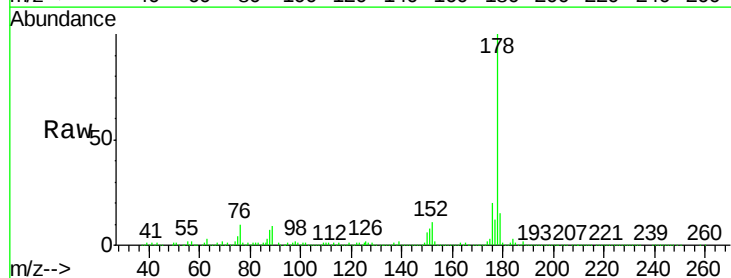
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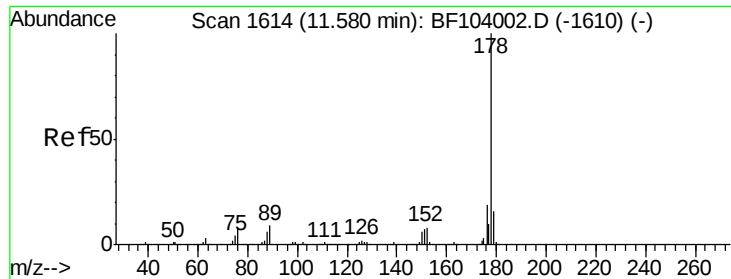
Sohil
4/3/2018 2:27:34 PM



#70
Phenanthrene
Concen: 51.870 ng
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: BF104148.D
Acq: 2 Apr 2018 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	850306		
176	19.5		15.8	23.8
179	15.5		13.0	19.6





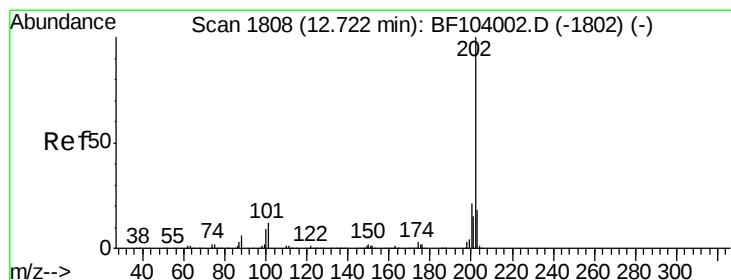
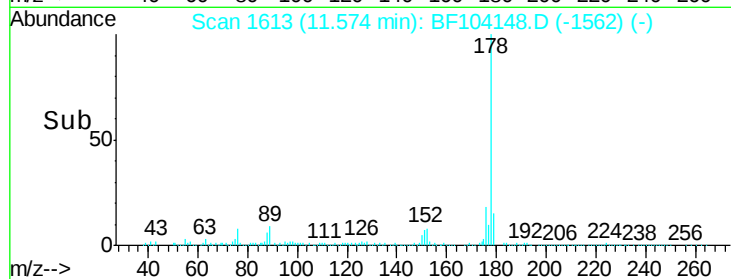
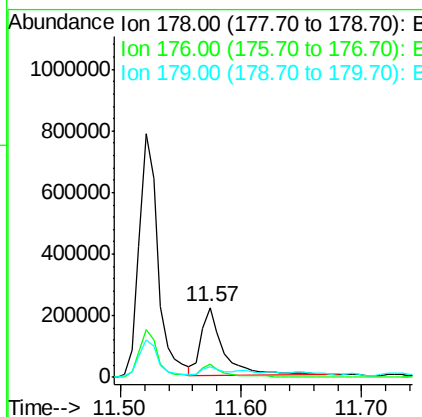
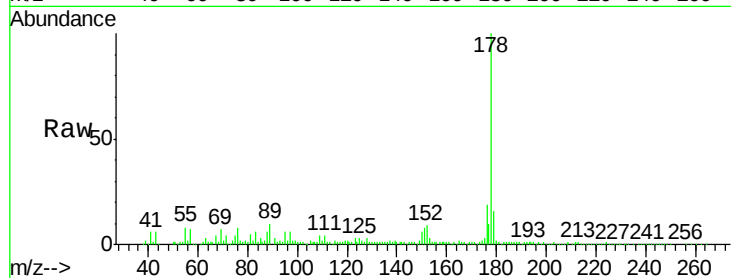
#71
 Anthracene
 Concen: 17.035 ng
 RT: 11.57 min Scan# 1613
 Delta R.T. -0.00 min
 Lab File: BF104148.D
 Acq: 2 Apr 2018 20:56

Instrument :
 BNA_F
 ClientSampleId :
 DUP-032718

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	16.0	12.6	19.0

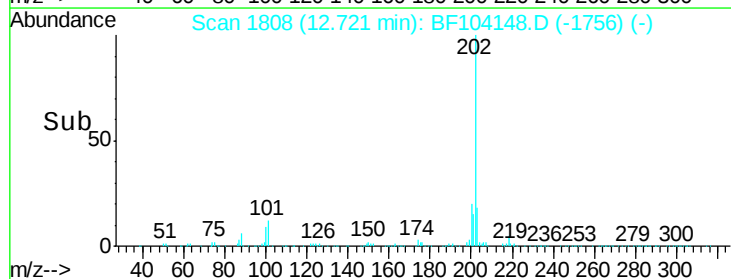
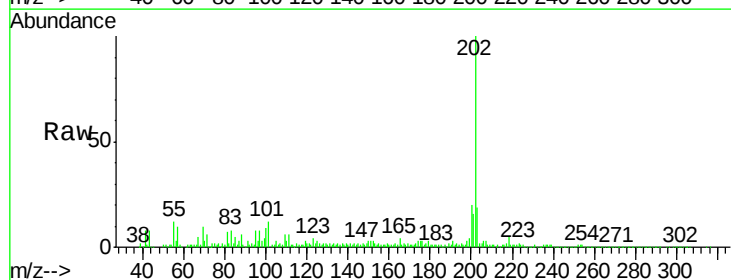
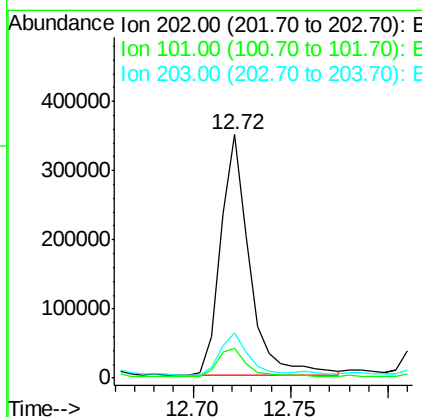
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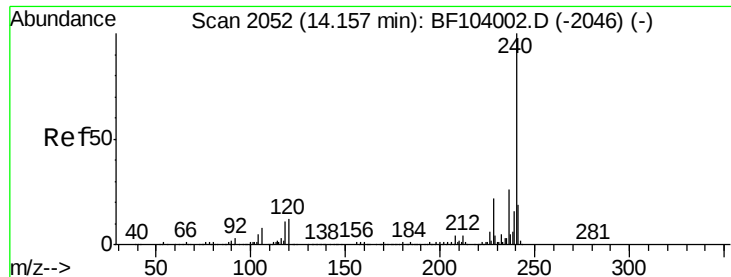
Sohil
 4/3/2018 2:27:34 PM



#74
 Fluoranthene
 Concen: 20.539 ng
 RT: 12.72 min Scan# 1808
 Delta R.T. 0.01 min
 Lab File: BF104148.D
 Acq: 2 Apr 2018 20:56

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	34.1
203	18.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2052

Delta R.T. 0.01 min

Lab File: BF104148.D

Acq: 2 Apr 2018 20:56

Instrument :

BNA_F

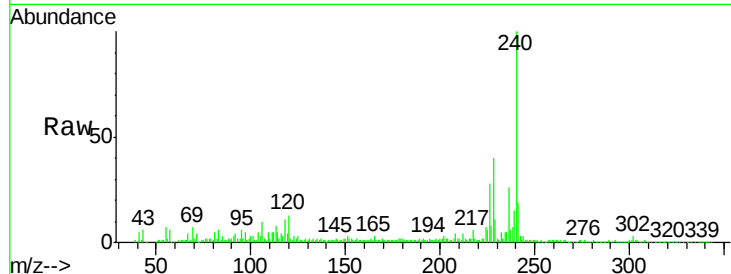
ClientSampled :

DUP-032718

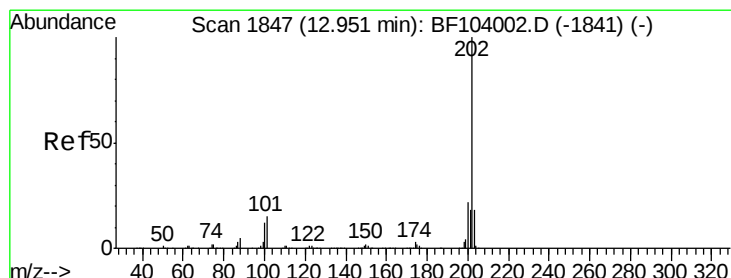
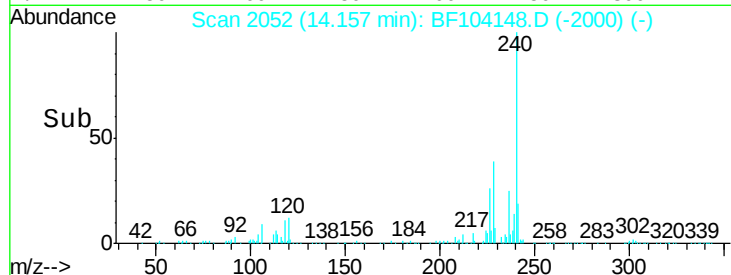
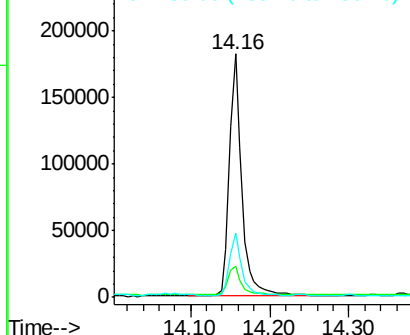
Tot Ion:	240	Resp:	199121
Ion Ratio	Lower	Upper	
240	100		
120	12.9	9.5	14.3
236	26.3	20.7	31.1

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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 39.969 ng

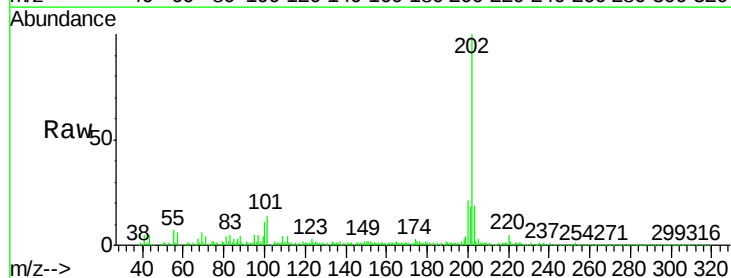
RT: 12.96 min Scan# 1848

Delta R.T. 0.01 min

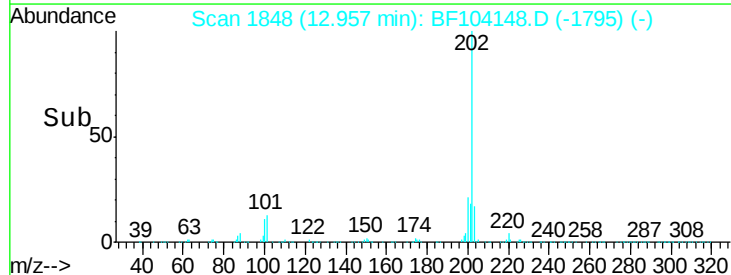
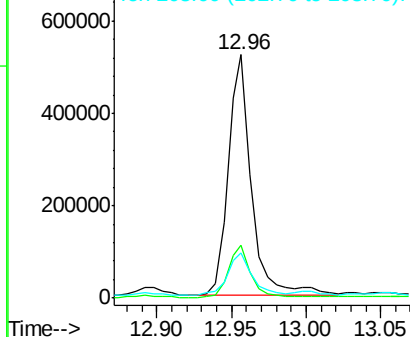
Lab File: BF104148.D

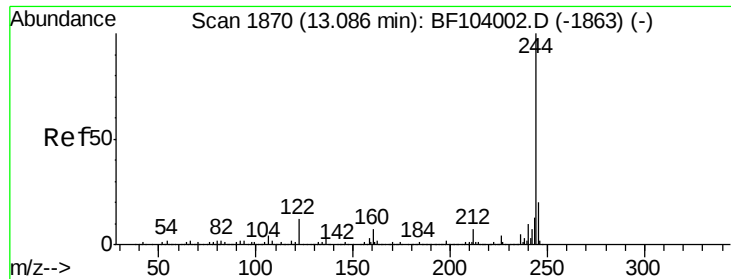
Acq: 2 Apr 2018 20:56

Tgt Ion:	202	Resp:	572113
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.4	26.2
203	18.7	14.3	21.5



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





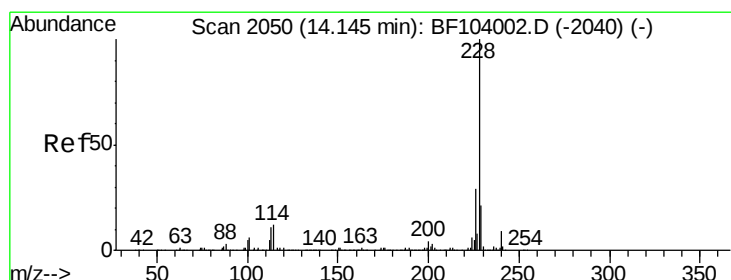
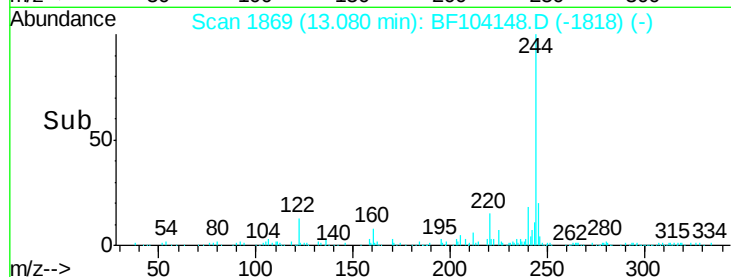
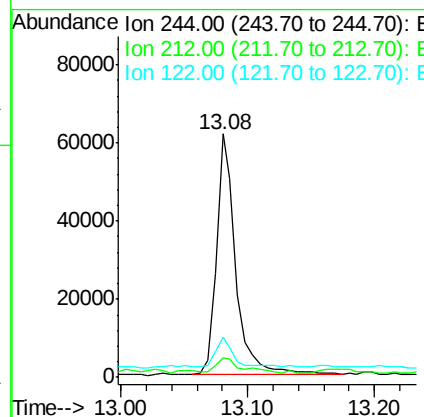
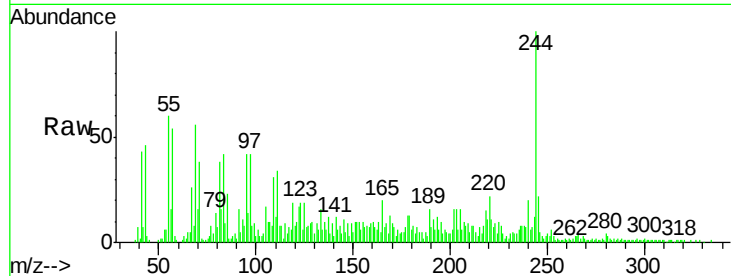
#78
 Terphenyl-d14
 Concen: 7.560 ng
 RT: 13.08 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: BF104148.D
 Acq: 2 Apr 2018 20:56

Instrument :
 BNA_F
 ClientSampleId :
 DUP-032718

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.3	5.4	8.0#
122	16.6	11.0	16.4#

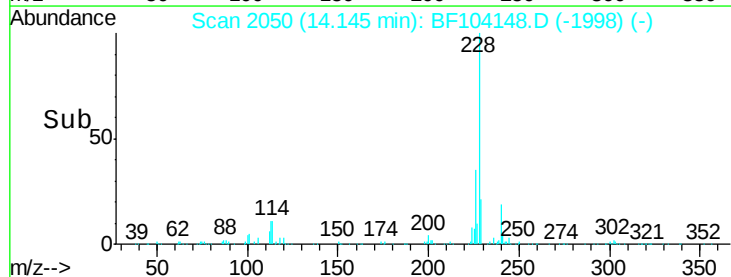
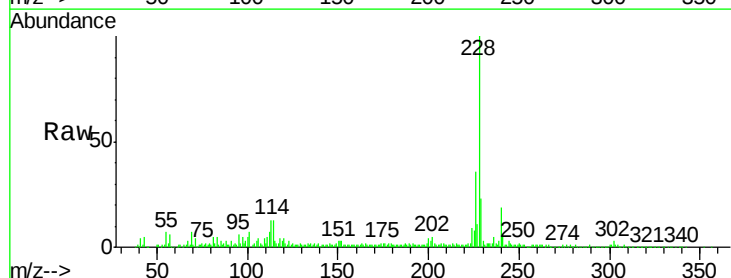
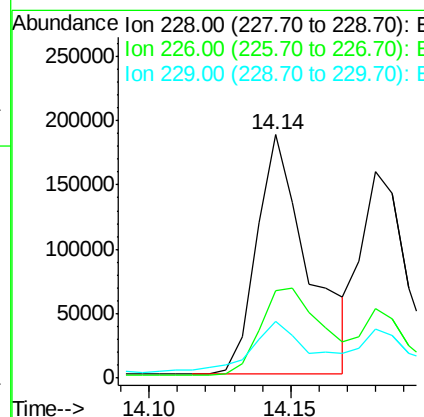
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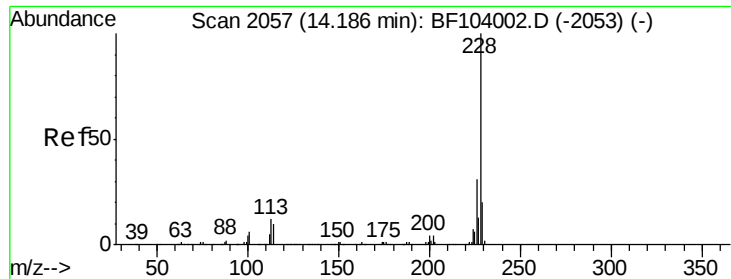
Sohil
 4/3/2018 2:27:34 PM



#80
 Benzo(a)anthracene
 Concen: 18.830 ng
 RT: 14.14 min Scan# 2050
 Delta R.T. 0.01 min
 Lab File: BF104148.D
 Acq: 2 Apr 2018 20:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.7	22.6	33.8#
229	23.2	15.8	23.6





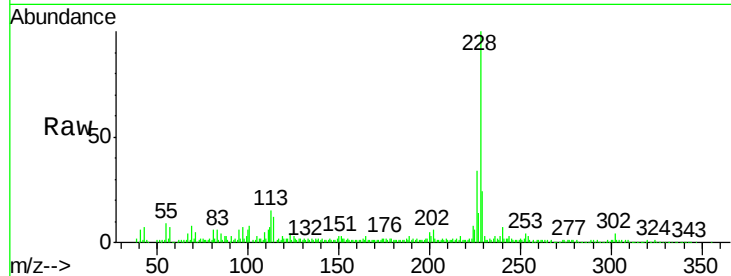
#82
Chrysene
Concen: 14.848 ng
RT: 14.18 min Scan# 2056
Delta R.T. -0.00 min
Lab File: BF104148.D
Acq: 2 Apr 2018 20:56

Instrument :
BNA_F
ClientSampleId :
DUP-032718

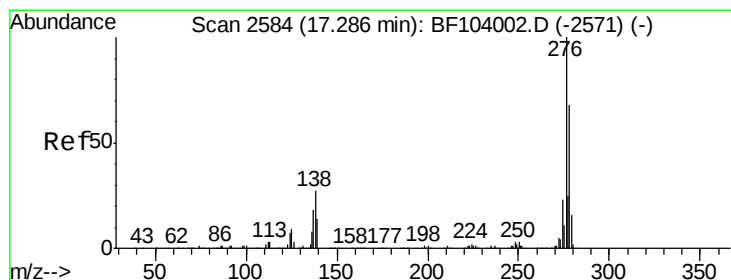
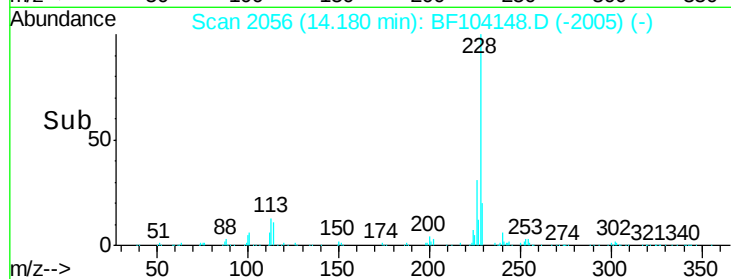
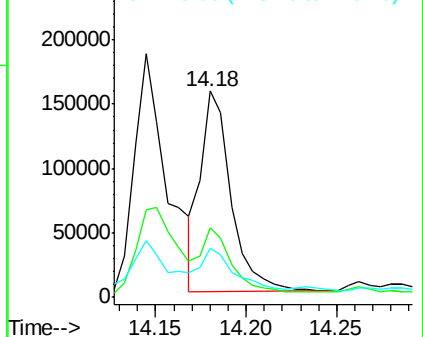
Tot Ion:228	Resp:	181192
Ion Ratio	Lower	Upper
228	100	
226	33.6	25.0 37.6
229	23.7	16.2 24.4

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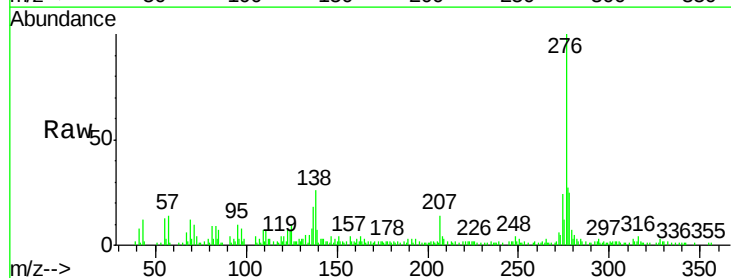


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

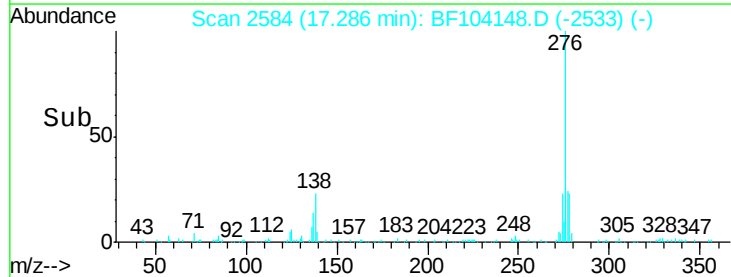
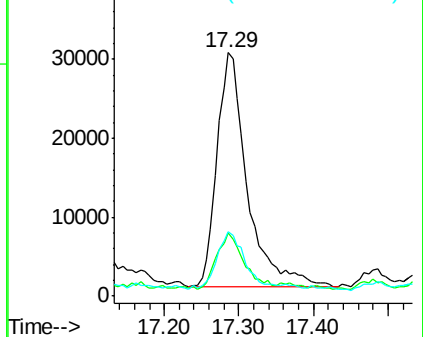


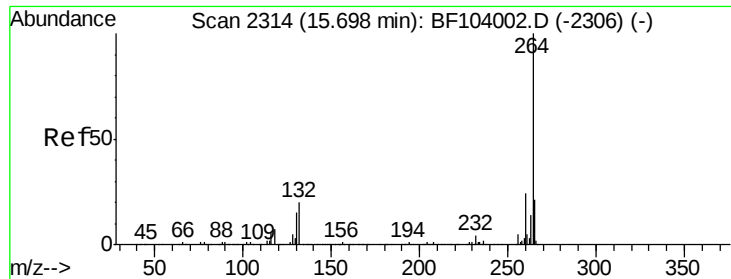
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.586 ng
RT: 17.29 min Scan# 2584
Delta R.T. -0.00 min
Lab File: BF104148.D
Acq: 2 Apr 2018 20:56

Tgt Ion:276	Resp:	83281
Ion Ratio	Lower	Upper
276	100	
138	21.4	25.0 37.6#
277	23.0	20.1 30.1



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

Pervlene-d12

Concen: 20.000 ng

RT: 15.70 min Scan# 2314

Delta R.T. 0.01 min

Lab File: BF104148.D

Acq: 2 Apr 2018 20:56

Instrument :

BNA_F

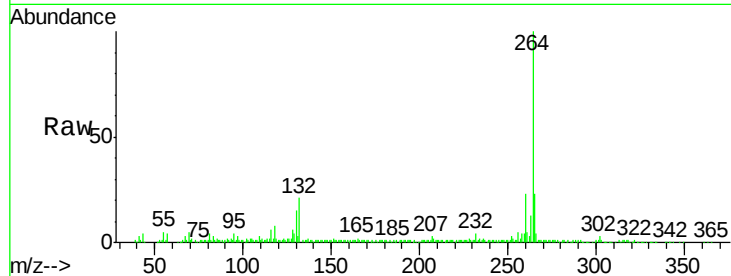
ClientSampleId :

DUP-032718

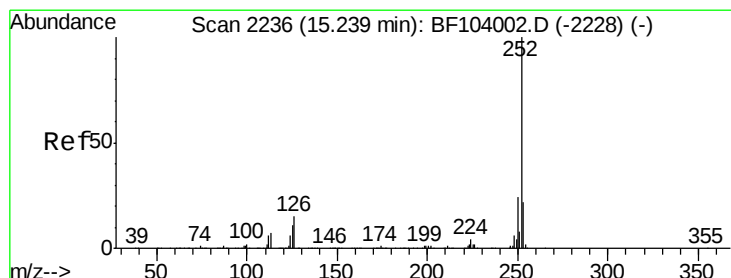
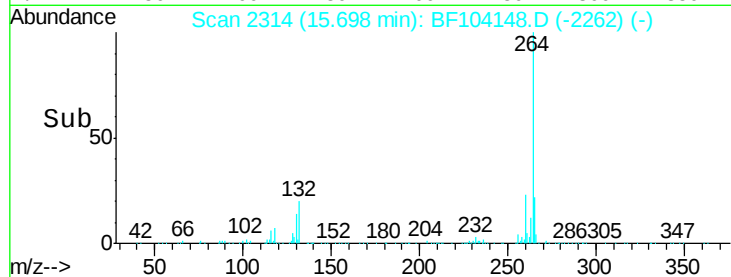
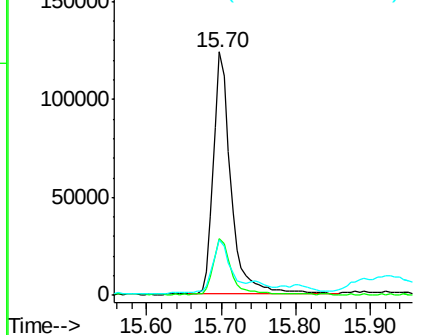
Tot Ion:	264	Resp:	204500
Ion Ratio	Lower	Upper	
264	100		
260	23.4	19.2	28.8
265	22.7	17.5	26.3

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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: 14.080 ng m

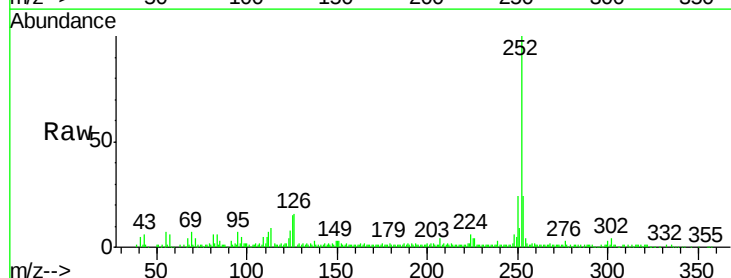
RT: 15.24 min Scan# 2236

Delta R.T. 0.01 min

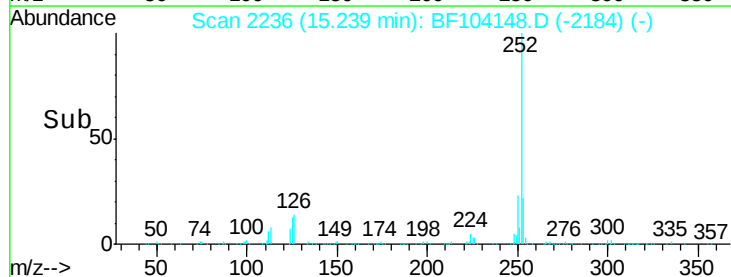
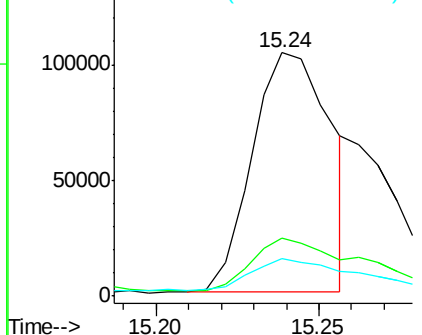
Lab File: BF104148.D

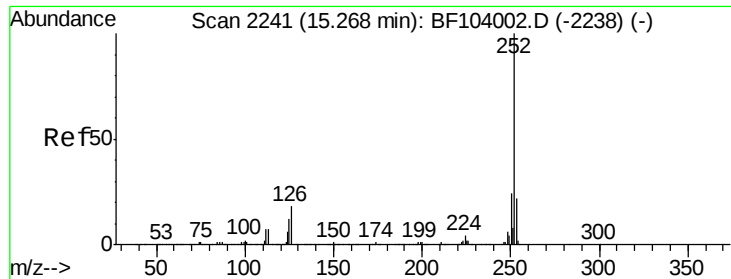
Acq: 2 Apr 2018 20:56

Tgt Ion:	252	Resp:	175239
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.0	25.6
125	15.2	9.0	13.6#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





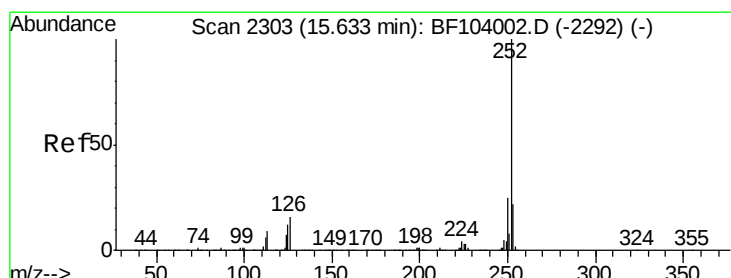
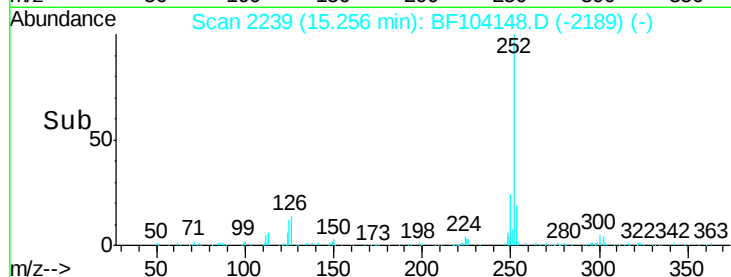
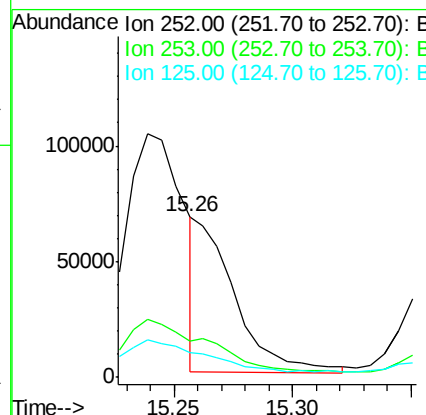
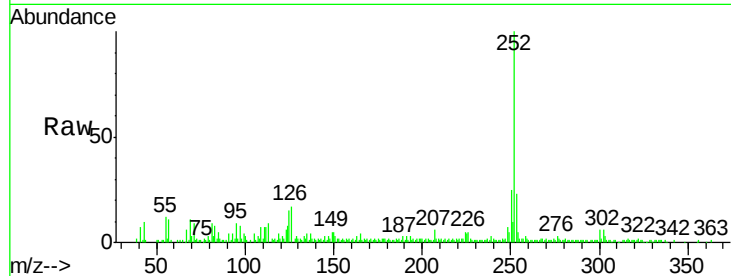
#88
Benzo(k)fluoranthene
Concen: 6.479 ng/mL
RT: 15.26 min Scan# 2239
Delta R.T. -0.01 min
Lab File: BF104148.D
Acq: 2 Apr 2018 20:56

Instrument :
BNA_F
ClientSampleId :
DUP-032718

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	15.2	10.2	15.2

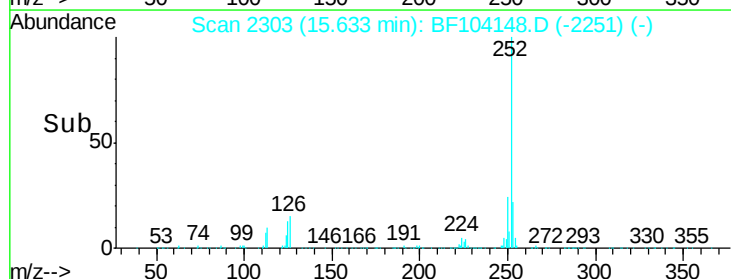
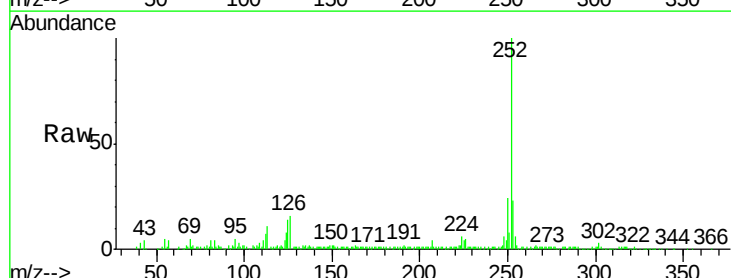
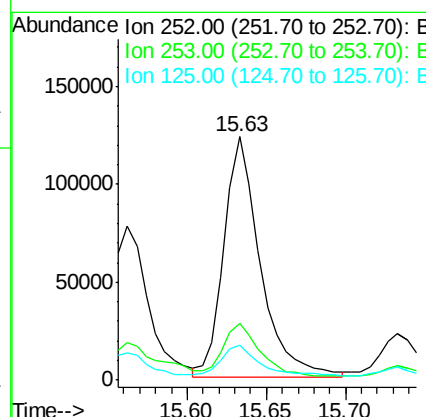
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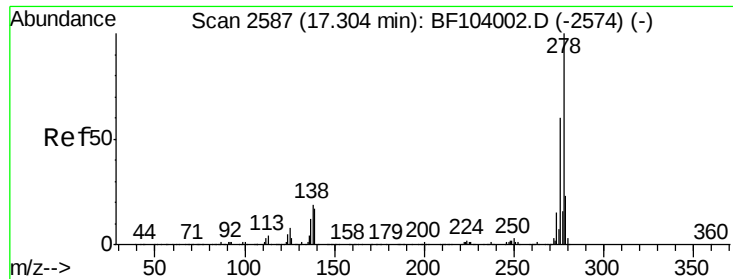
Sohil
4/3/2018 2:27:34 PM



#89
Benzo(a)pyrene
Concen: 17.053 ng/mL
RT: 15.63 min Scan# 2303
Delta R.T. 0.01 min
Lab File: BF104148.D
Acq: 2 Apr 2018 20:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	14.4	9.8	14.6





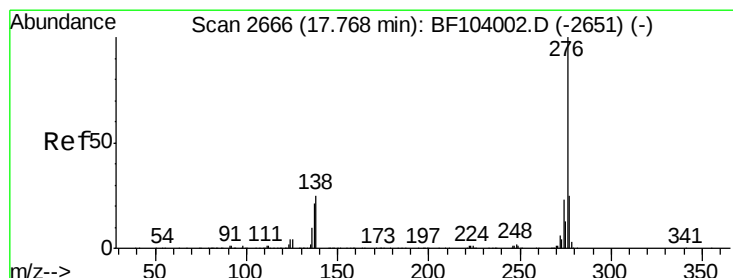
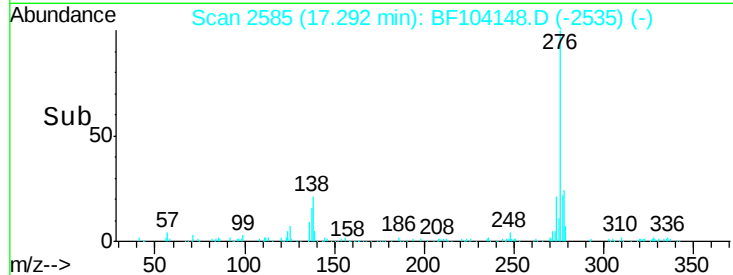
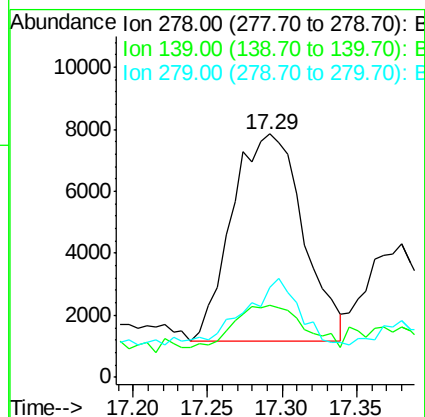
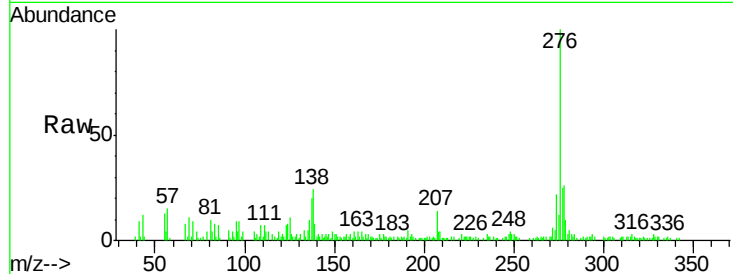
#90
Dibenzo(a,h)anthracene
Concen: 2.082 ng
RT: 17.29 min Scan# 2585
Delta R.T. -0.01 min
Lab File: BF104148.D
Acq: 2 Apr 2018 20:56

Instrument :
BNA_F
ClientSampleId :
DUP-032718

Tot Ion	Ratio	Lower	Upper
278	100		
139	29.6	15.9	23.9#
279	37.0	19.0	28.4#

Manual Integrations
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4/3/2018 2:27:34 PM



#91
Benzo(g,h,i)perylene
Concen: 7.806 ng
RT: 17.77 min Scan# 2666
Delta R.T. -0.00 min
Lab File: BF104148.D
Acq: 2 Apr 2018 20:56

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.0	17.9	26.9
138	27.2	21.8	32.8

