

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
 Data File : BF104983.D
 Acq On : 1 May 2018 15:02
 Operator : JU/SJ
 Sample : J2609-03DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-01CDL

Manual Integrations
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Quant Time: May 02 10:30:45 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 01 16:13:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	111444	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	464616	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	210432	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	315781	20.00	ng	0.00
75) Chrysene-d12	14.06	240	223562m	20.00	ng	0.09
86) Perylene-d12	15.66	264	217036	20.00	ng	0.23
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	112637	15.45	ng	0.00
7) Phenol-d6	6.43	99	144242	16.11	ng	0.00
23) Nitrobenzene-d5	7.35	82	82948	11.66	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	31964	14.64	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	140442	10.54	ng	0.00
78) Terphenyl-d14	12.92	244	85791	8.75	ng	0.01
Target Compounds						Qvalue
31) Naphthalene	8.10	128	255375	11.038	ng	99
37) 2-Methylnaphthalene	8.79	142	112635	7.527	ng	98
51) Acenaphthene	9.86	154	165304	12.367	ng	99
54) Dibenzofuran	10.04	168	190447	10.224	ng	99
57) Fluorene	10.38	166	186162	13.730	ng	100
70) Phenanthrene	11.35	178	746337	42.440	ng	100
71) Anthracene	11.40	178	225442	12.611	ng	99
72) Carbazole	11.56	167	48574	2.781	ng	93
74) Fluoranthene	12.55	202	658899	35.861	ng	98
77) Pyrene	12.79	202	487009	29.389	ng	99
80) Benzo(a)anthracene	14.05	228	143534	10.747	ng	98
82) Chrysene	14.09	228	171314m	12.488	ng	
83) Bis(2-ethylhexyl)phthalate	14.03	149	104292	10.386	ng	99
85) Indeno(1,2,3-cd)pyrene	17.15	276	29331	2.517	ng	94
87) Benzo(b)fluoranthene	15.22	252	125777m	9.176	ng	
88) Benzo(k)fluoranthene	15.25	252	46168m	3.568	ng	
89) Benzo(a)pyrene	15.59	252	50596	4.125	ng	95
91) Benzo(g,h,i)perylene	17.60	276	23382	2.396	ng	96

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

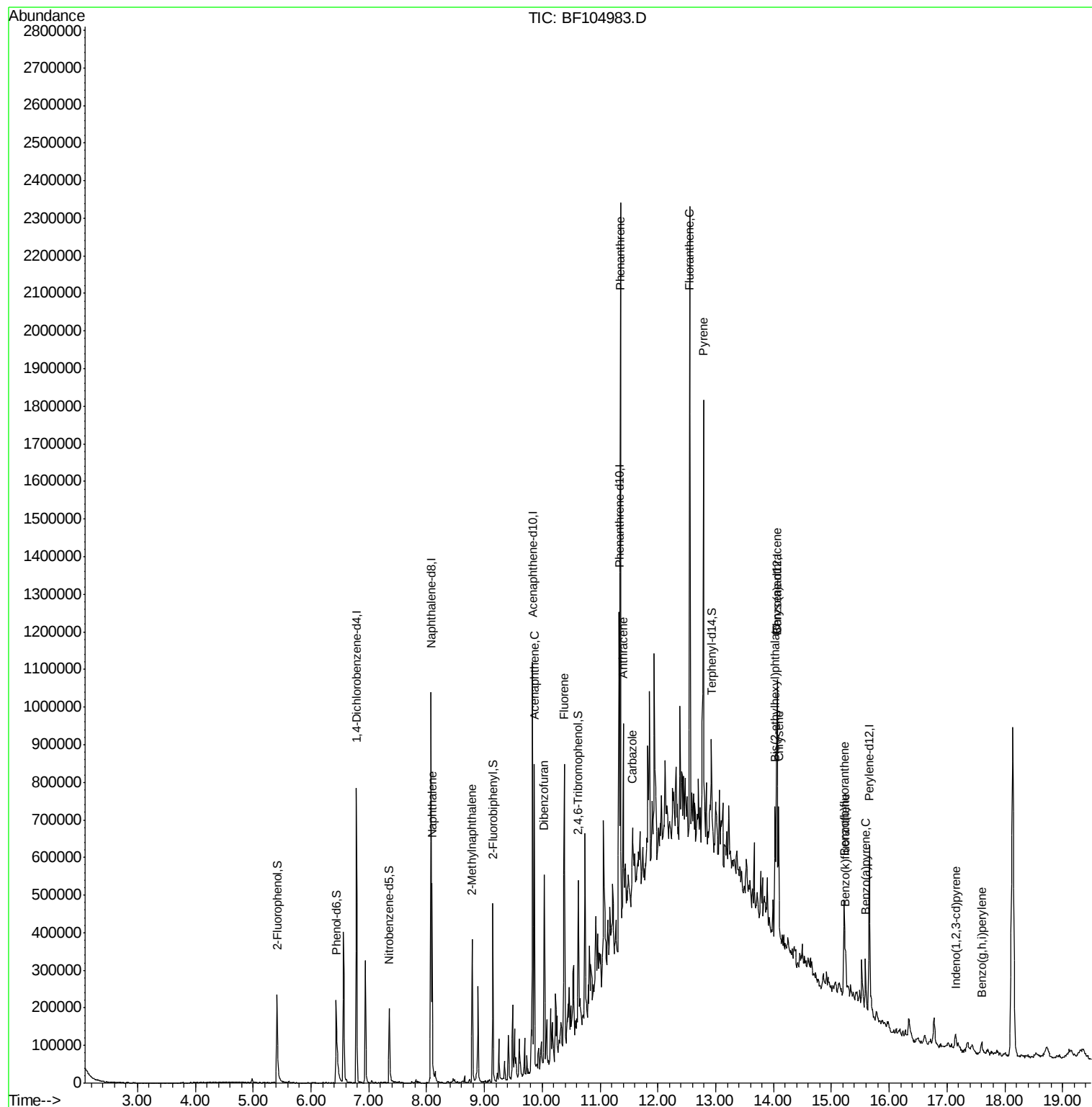
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
Data File : BF104983.D
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ALS Vial : 9 Sample Multiplier: 1

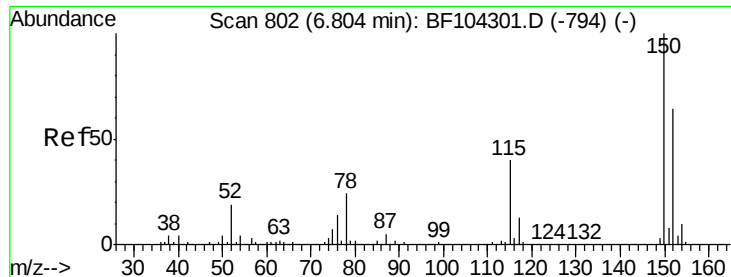
Instrument :
BNA_F
ClientSampleId :
SB-01CDL

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Quant Time: May 02 10:30:45 2018
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#1

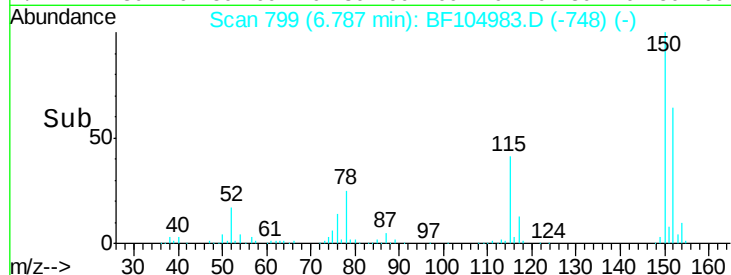
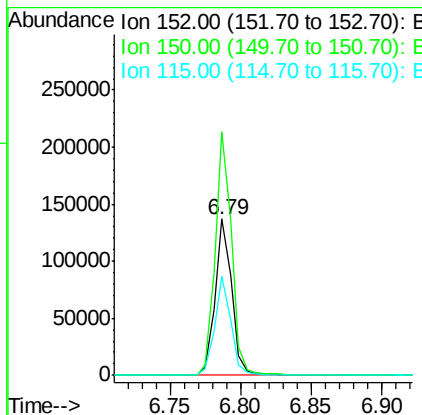
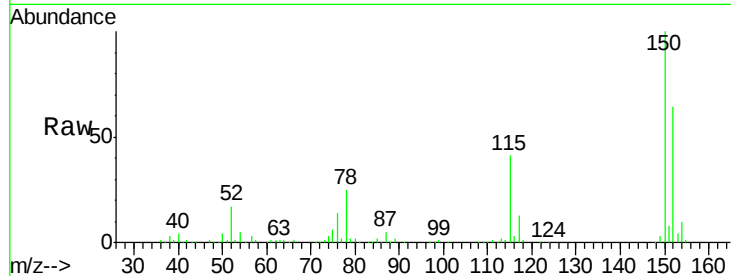
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BF104983.D
Acq: 1 May 2018 15:02

Instrument :
BNA_F
ClientSampled :
SB-01CDL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.6	124.6	186.8
115	63.6	50.1	75.1

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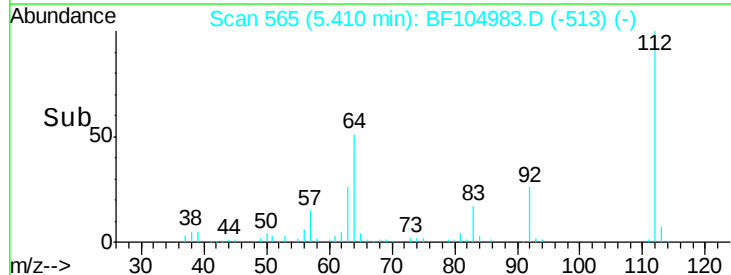
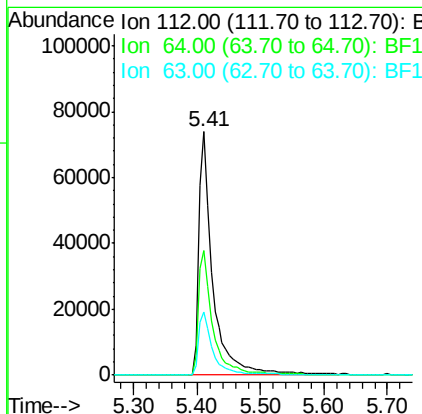
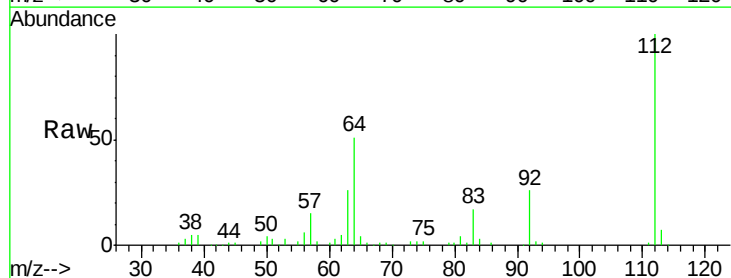
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#5

2-Fluorophenol
Concen: 15.454 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF104983.D
Acq: 1 May 2018 15:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.0	47.9	71.9
63	25.8	23.7	35.5





#7

Phenol-d6

Concen: 16.107 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF104983.D

Acq: 1 May 2018 15:02

Instrument :

BNA_F

ClientSampleId :

SB-01CDL

Tgt Ion: 99 Resp: 144242

Ion Ratio Lower Upper

99 100

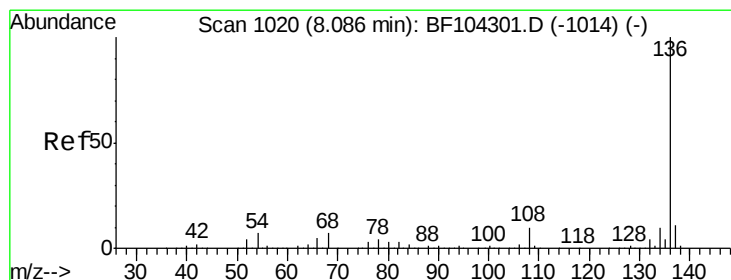
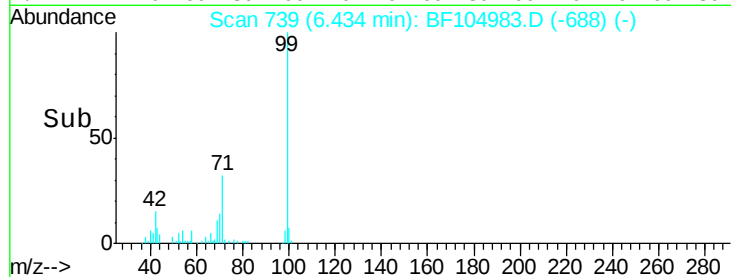
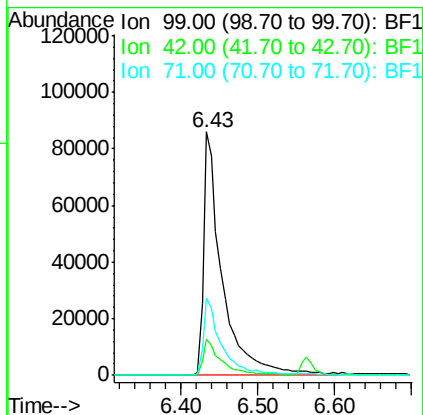
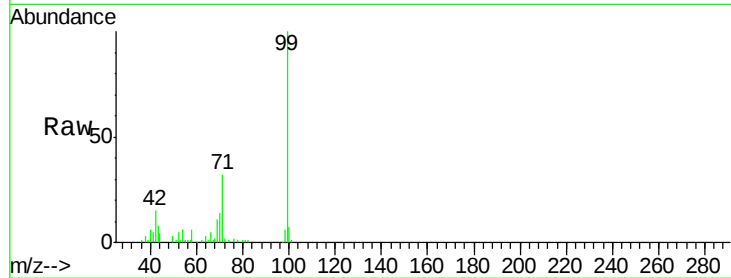
42 14.6 14.5 21.7

71 31.7 25.4 38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.00 min

Lab File: BF104983.D

Acq: 1 May 2018 15:02

Tgt Ion: 136 Resp: 464616

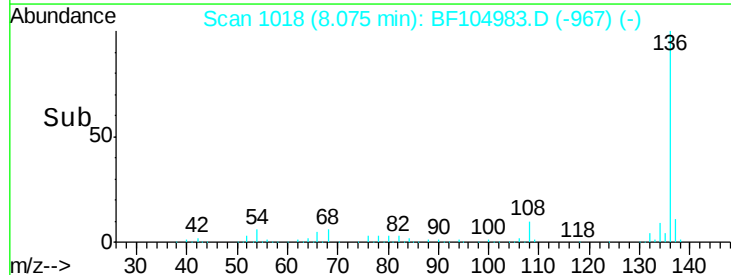
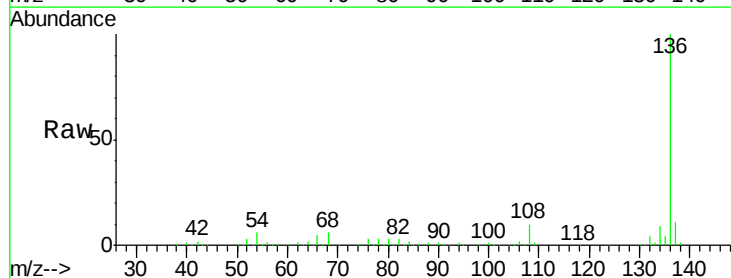
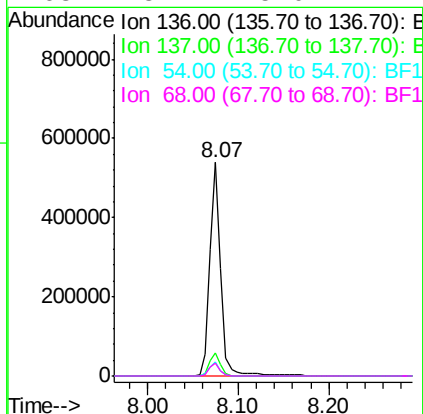
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 6.3 6.6 9.8#

68 5.7 5.0 7.4





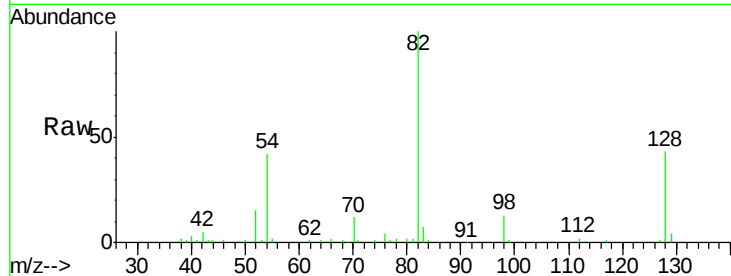
#23
Nitrobenzene-d5
Concen: 11.658 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF104983.D
Acq: 1 May 2018 15:02

Instrument :
BNA_F
ClientSampleId :
SB-01CDL

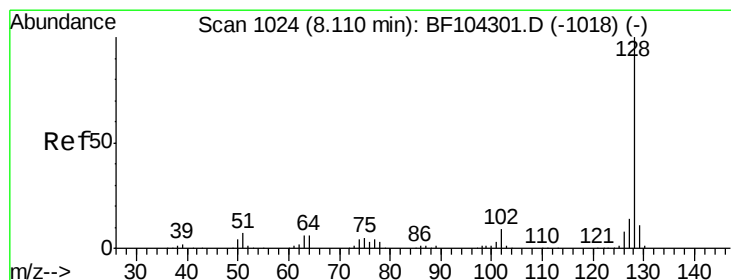
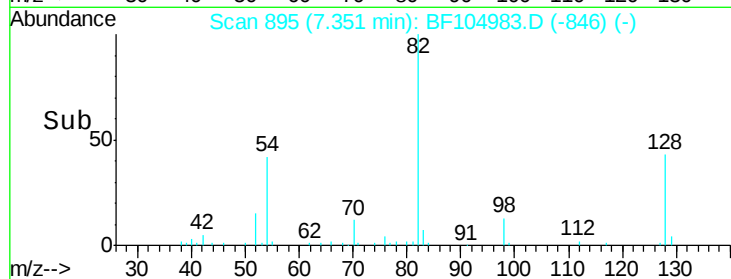
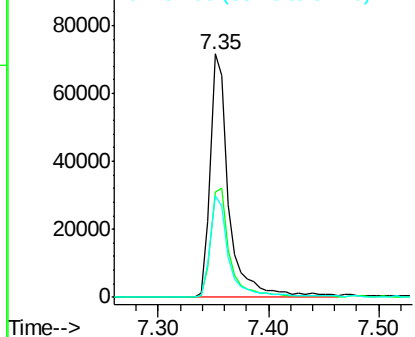
Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.3	36.1	54.1
54	41.7	41.4	62.2

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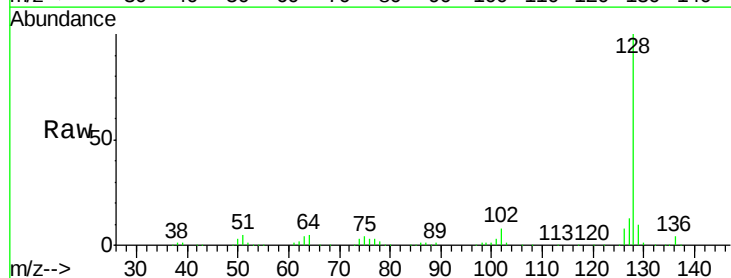


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

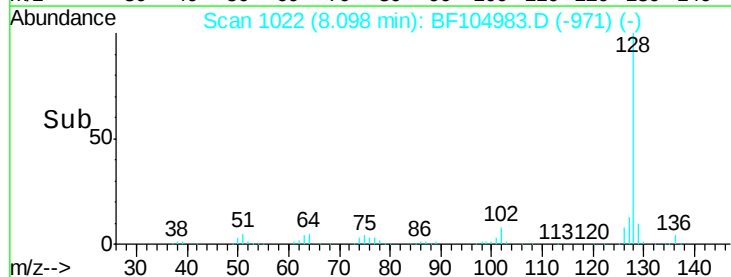
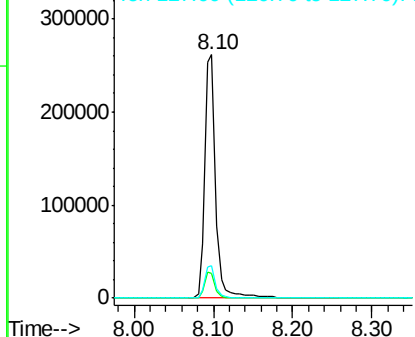


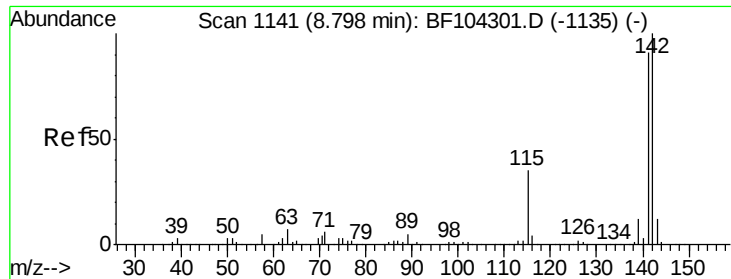
#31
Naphthalene
Concen: 11.038 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BF104983.D
Acq: 1 May 2018 15:02

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.8	13.2
127	13.4	10.9	16.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





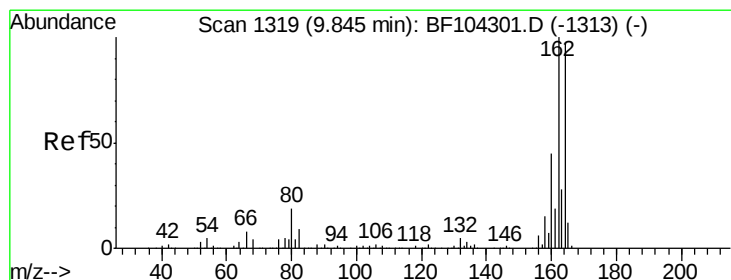
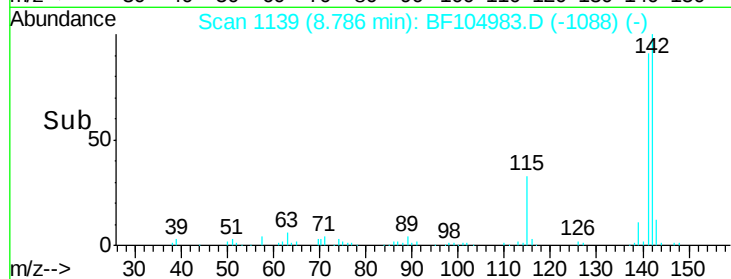
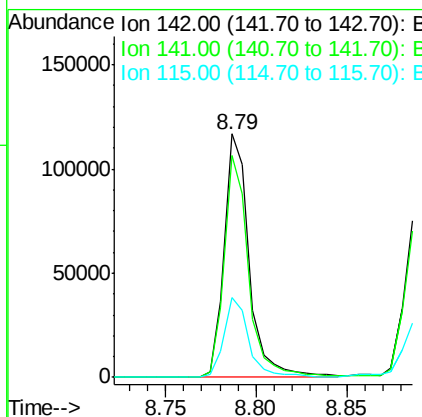
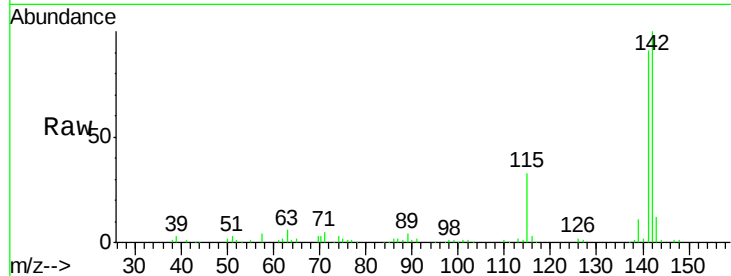
#37
2-Methylnaphthalene
Concen: 7.527 ng
RT: 8.79 min Scan# 1139
Delta R.T. -0.00 min
Lab File: BF104983.D
Acq: 1 May 2018 15:02

Instrument :
BNA_F
ClientSampleId :
SB-01CDL

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	112635		
141	91.0	70.8	106.2	
115	32.9	26.1	39.1	

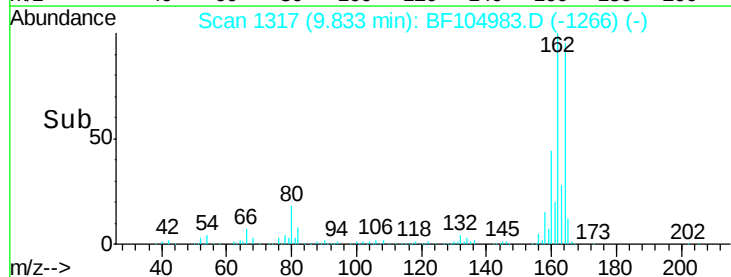
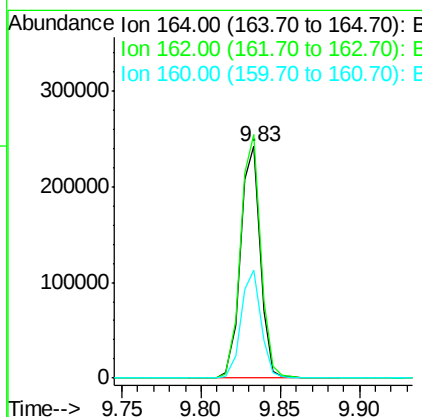
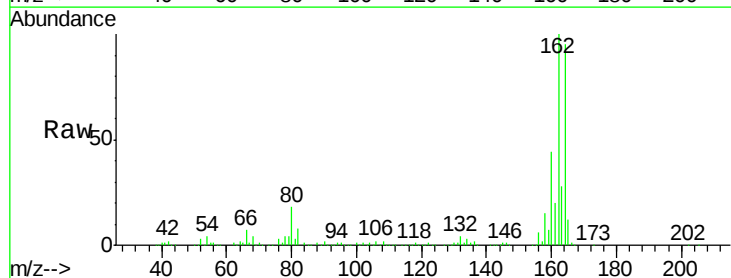
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BF104983.D
Acq: 1 May 2018 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	210432		
162	105.1	86.1	129.1	
160	46.5	38.3	57.5	





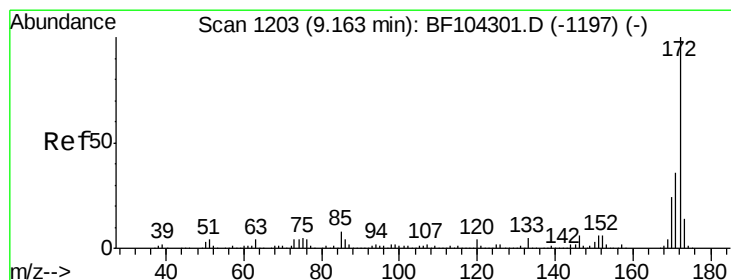
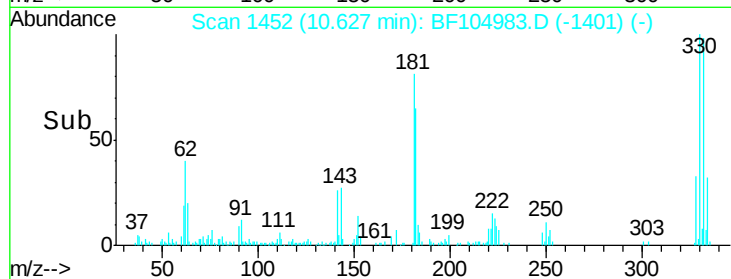
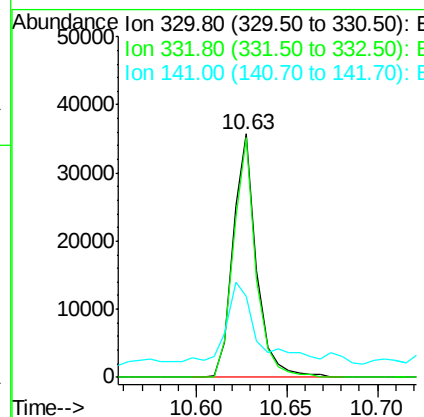
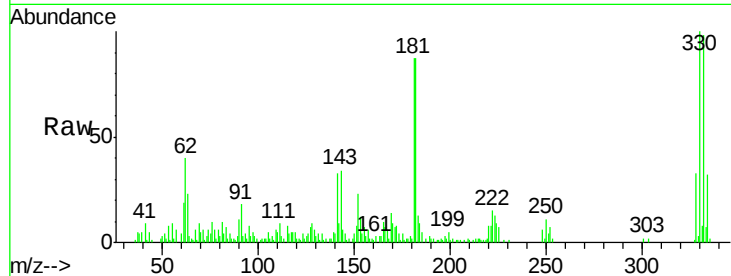
#41
 2,4,6-Tribromophenol
 Concen: 14.643 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: BF104983.D
 Acq: 1 May 2018 15:02

Instrument :
 BNA_F
 ClientSampleId :
 SB-01CDL

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	31964		
332	94.6	77.0	115.6	
141	41.0	29.9	44.9	

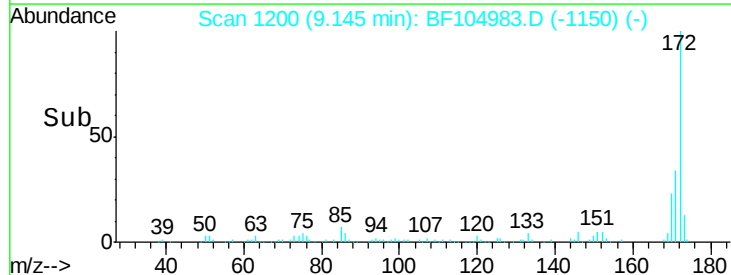
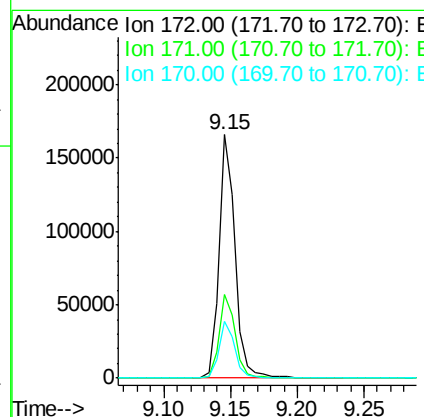
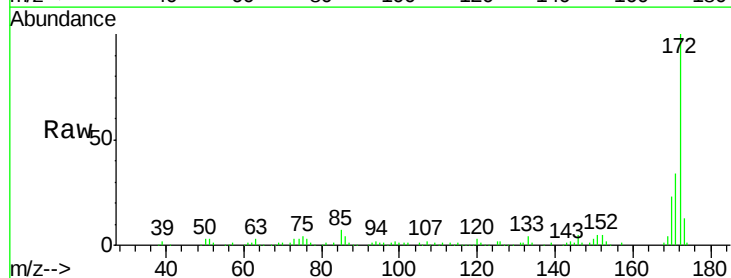
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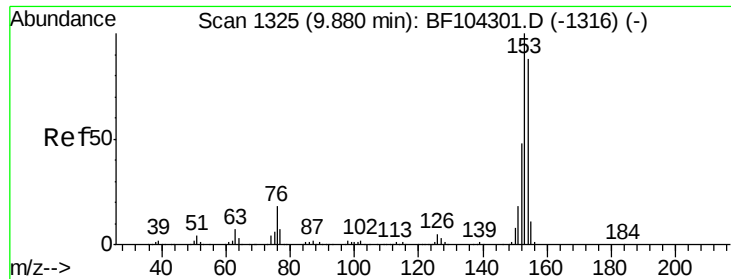
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#44
 2-Fluorobiphenyl
 Concen: 10.543 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF104983.D
 Acq: 1 May 2018 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	140442		
171	34.4	29.7	44.5	
170	23.1	19.6	29.4	





#51

Acenaphthene

Concen: 12.367 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF104983.D

Acq: 1 May 2018 15:02

Instrument :

BNA_F

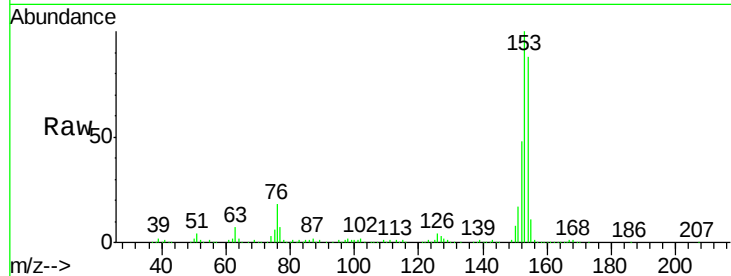
ClientSampleId :

SB-01CDL

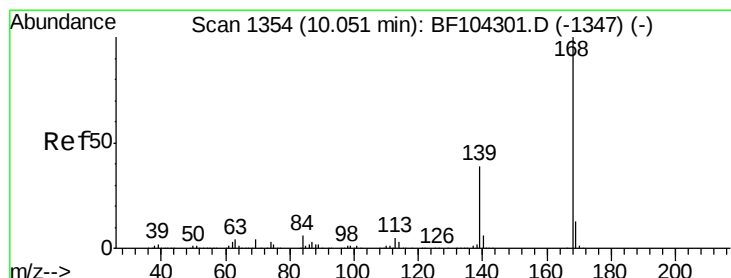
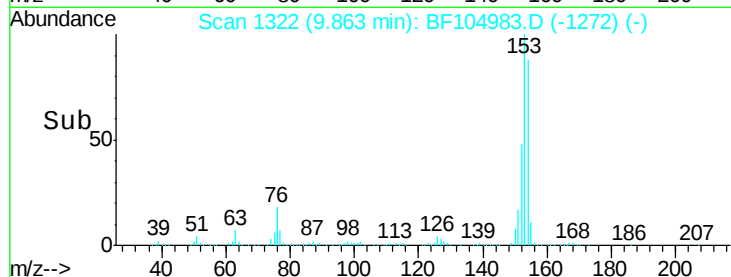
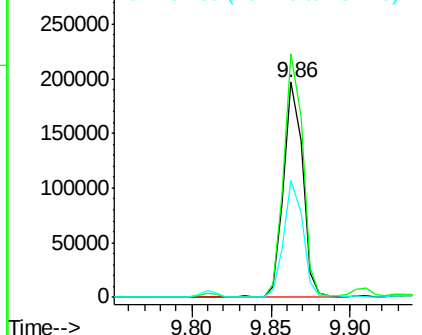
Tgt Ion:	154	Resp:	165304
Ion Ratio	Lower	Upper	
154	100		
153	113.1	91.2	136.8
152	54.3	43.8	65.8

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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



#54

Dibenzofuran

Concen: 10.224 ng

RT: 10.04 min Scan# 1352

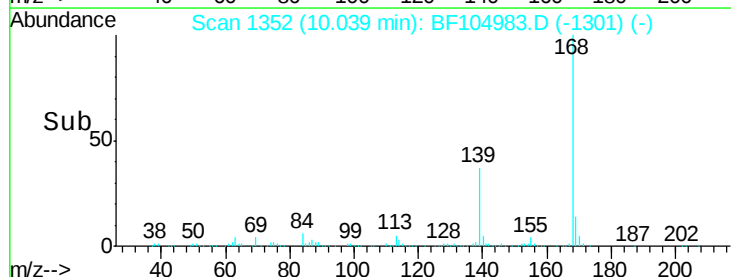
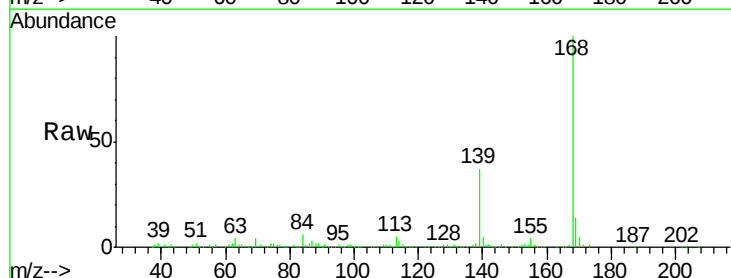
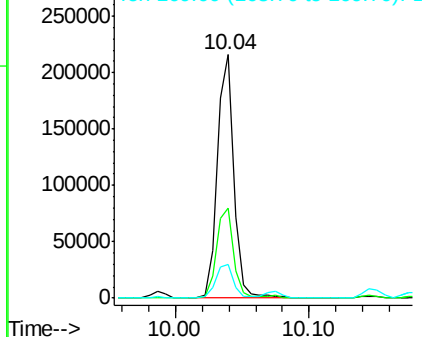
Delta R.T. -0.00 min

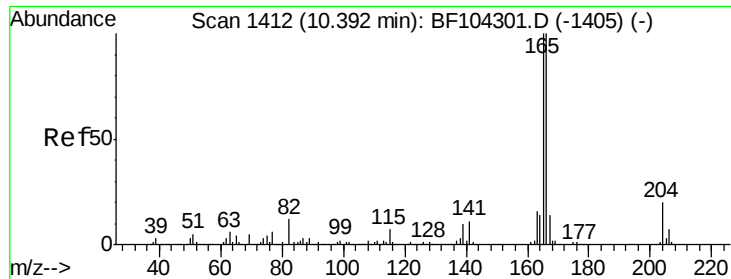
Lab File: BF104983.D

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Tgt Ion:	168	Resp:	190447
Ion Ratio	Lower	Upper	
168	100		
139	37.2	30.1	45.1
169	13.7	10.9	16.3

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





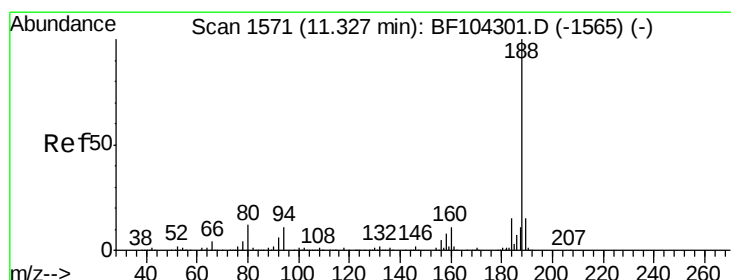
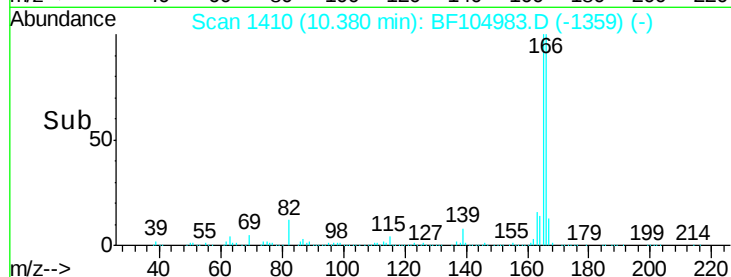
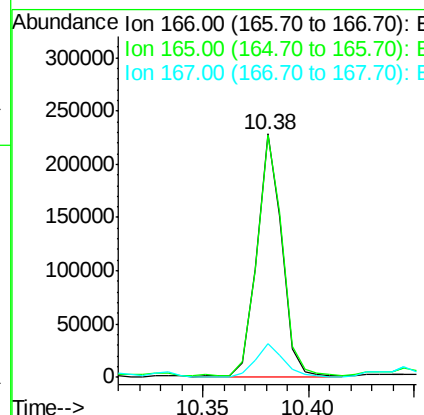
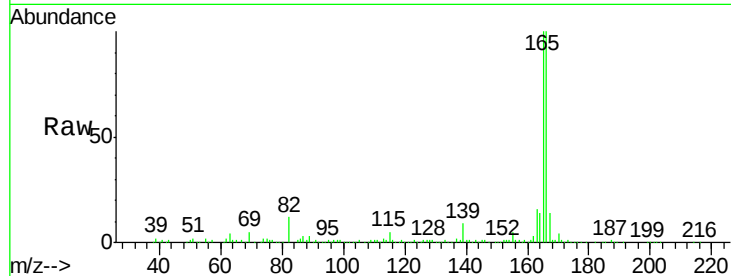
#57
Fluorene
 Concen: 13.730 ng
 RT: 10.38 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: BF104983.D
 Acq: 1 May 2018 15:02

Instrument :
 BNA_F
 ClientSampleId :
 SB-01CDL

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	186162		
165	99.7	79.8	119.8	
167	13.9	10.6	16.0	

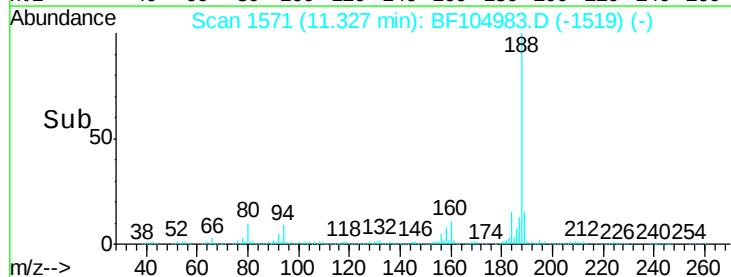
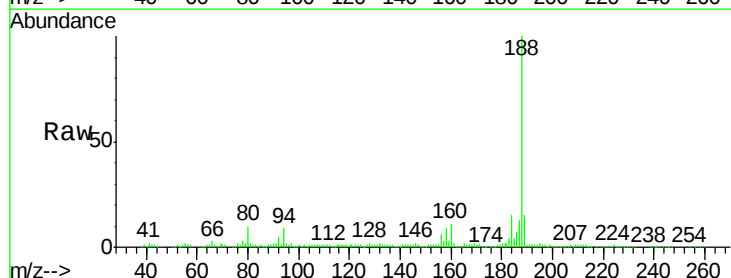
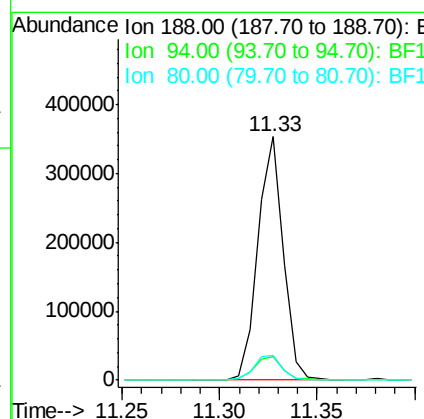
Manual Integrations
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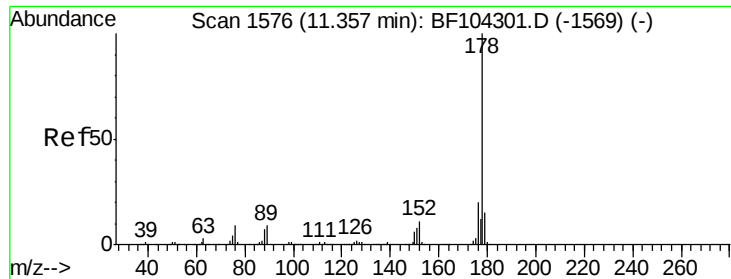
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. 0.01 min
 Lab File: BF104983.D
 Acq: 1 May 2018 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	315781		
94	9.4	8.5	12.7	
80	10.3	9.2	13.8	





#70

Phenanthrene

Concen: 42.440 ng

RT: 11.35 min Scan# 1575

Delta R.T. 0.01 min

Lab File: BF104983.D

Acq: 1 May 2018 15:02

Instrument :

BNA_F

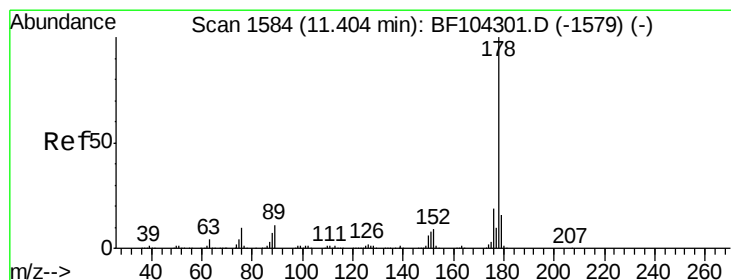
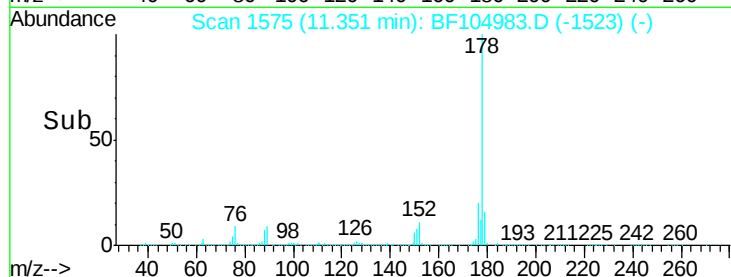
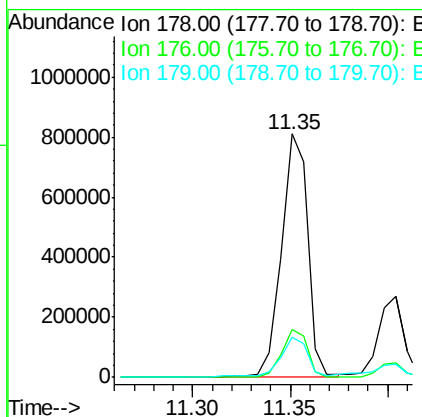
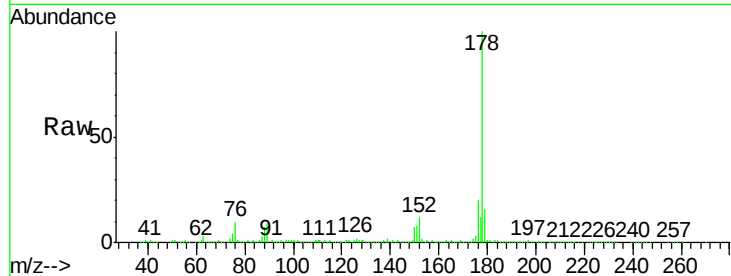
ClientSampled :

SB-01CDL

Tgt Ion:	178	Resp:	746337
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.8	23.8
179	16.4	13.0	19.6

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#71

Anthracene

Concen: 12.611 ng

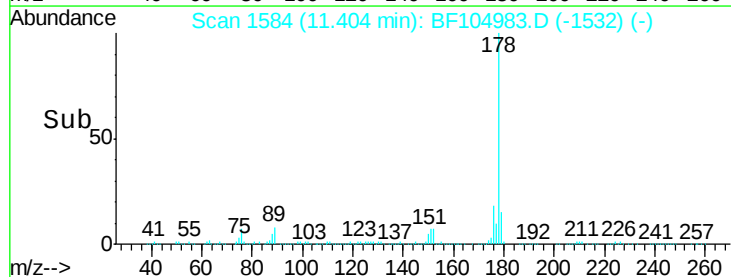
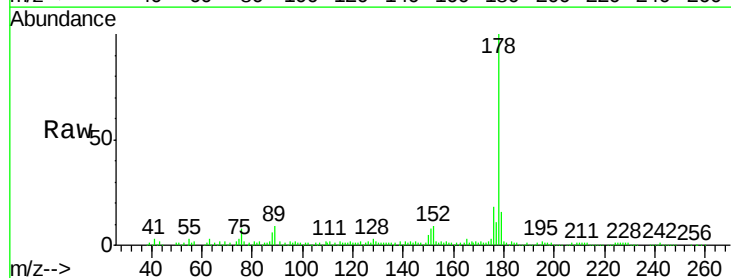
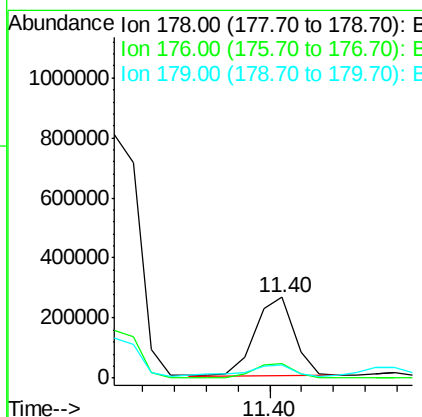
RT: 11.40 min Scan# 1584

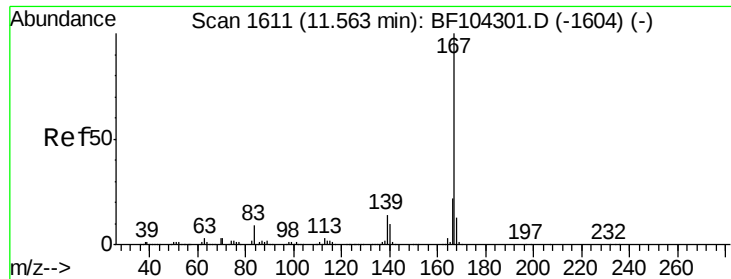
Delta R.T. 0.01 min

Lab File: BF104983.D

Acq: 1 May 2018 15:02

Tgt Ion:	178	Resp:	225442
Ion Ratio	Lower	Upper	
178	100		
176	18.5	15.4	23.2
179	15.6	12.6	19.0





#72

Carbazole

Concen: 2.781 ng

RT: 11.56 min Scan# 1611

Delta R.T. 0.01 min

Lab File: BF104983.D

Acq: 1 May 2018 15:02

Instrument :

BNA_F

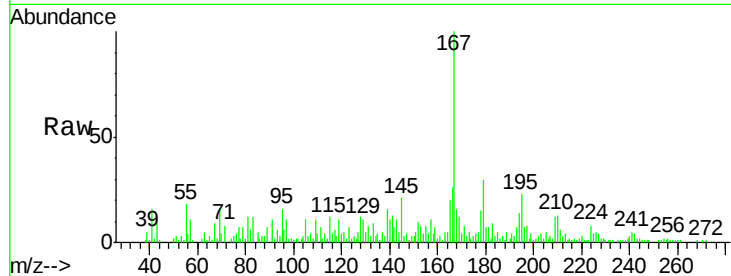
ClientSampleId :

SB-01CDL

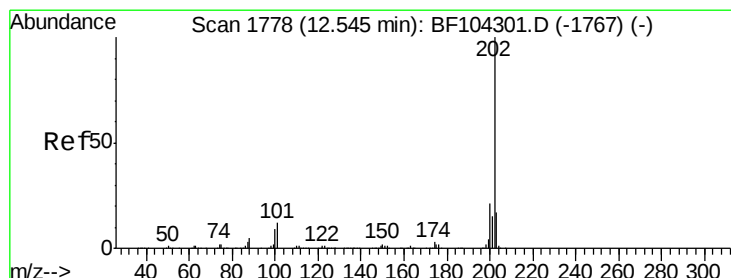
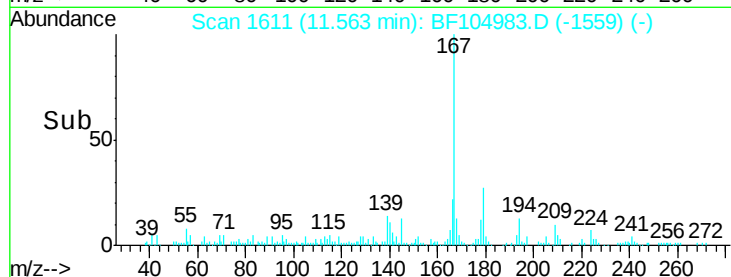
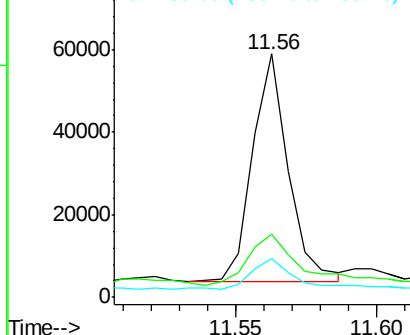
Tgt Ion:	167	Resp:	48574
Ion Ratio	Lower	Upper	
167	100		
166	25.8	17.6	26.4
139	15.8	10.9	16.3

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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 35.861 ng

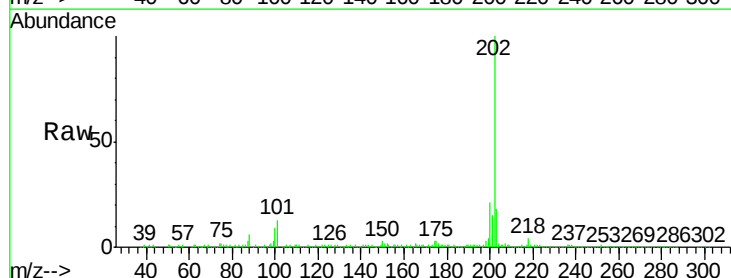
RT: 12.55 min Scan# 1779

Delta R.T. 0.01 min

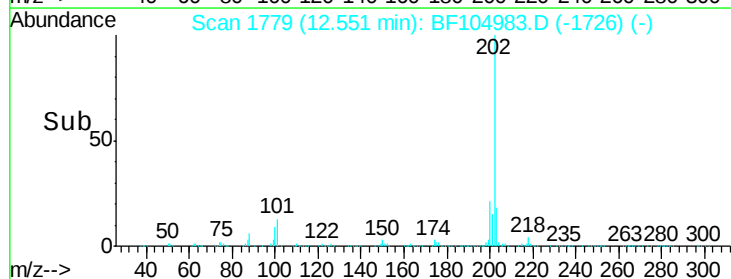
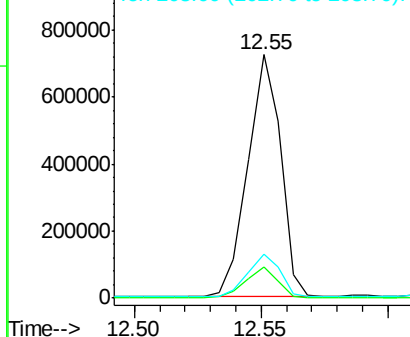
Lab File: BF104983.D

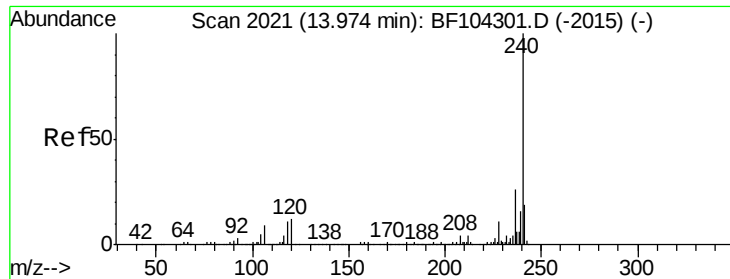
Acq: 1 May 2018 15:02

Tgt Ion:	202	Resp:	658899
Ion Ratio	Lower	Upper	
202	100		
101	12.6	0.0	34.1
203	18.2	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng m

RT: 14.06 min Scan# 2036

Delta R.T. 0.09 min

Lab File: BF104983.D

Acq: 1 May 2018 15:02

Instrument :

BNA_F

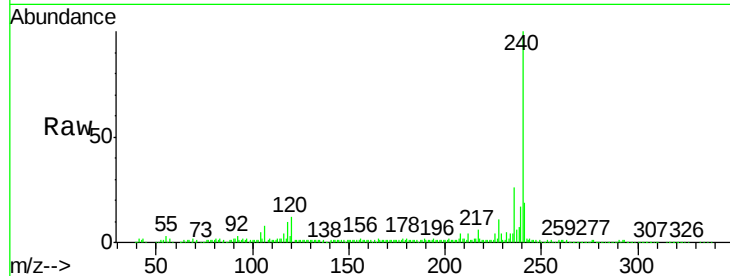
ClientSampleId :

SB-01CDL

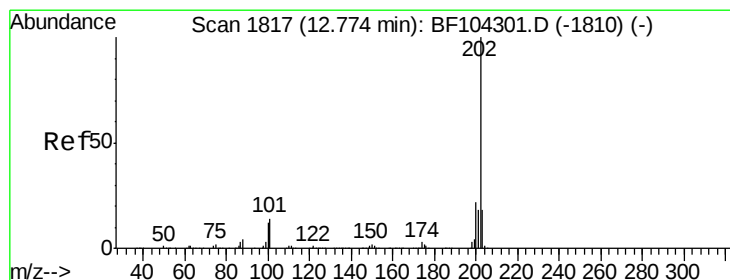
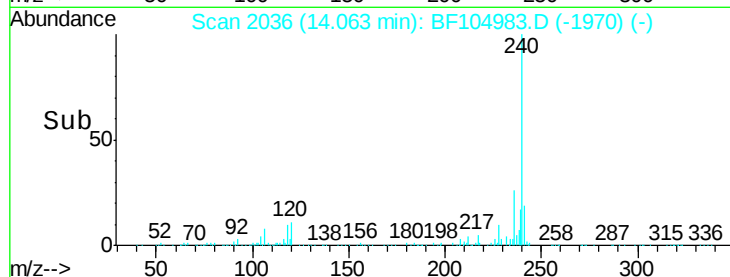
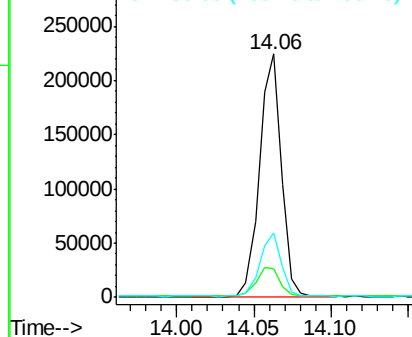
Tgt Ion:	240	Resp:	223562
Ion Ratio	Lower	Upper	
240	100		
120	11.7	9.5	14.3
236	26.3	20.7	31.1

Manual Integrations
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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: 29.389 ng

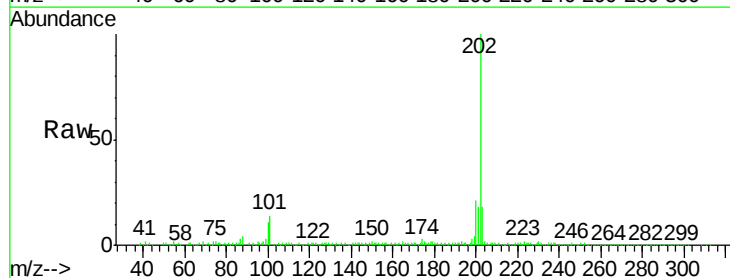
RT: 12.79 min Scan# 1819

Delta R.T. 0.02 min

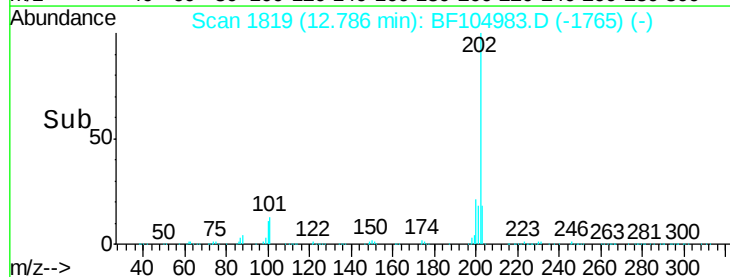
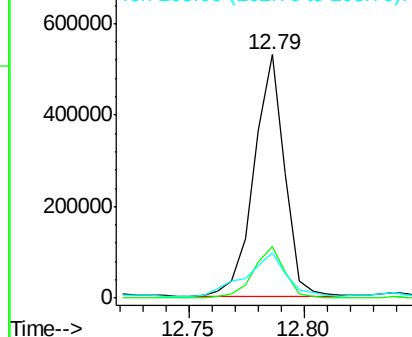
Lab File: BF104983.D

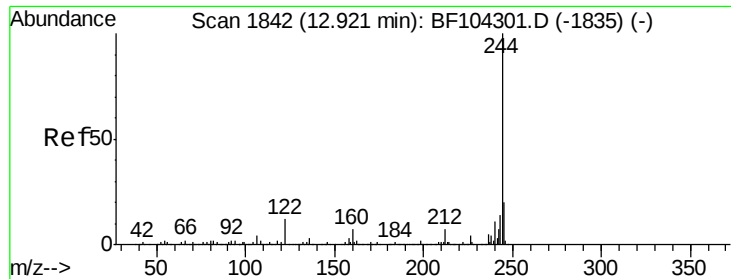
Acq: 1 May 2018 15:02

Tgt Ion:	202	Resp:	487009
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.4	26.2
203	18.4	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: 8.749 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.01 min

Lab File: BF104983.D

Acq: 1 May 2018 15:02

Instrument :

BNA_F

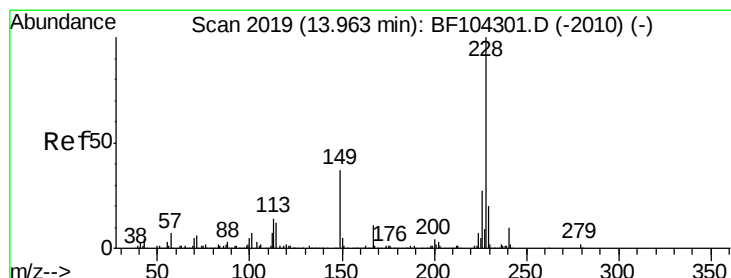
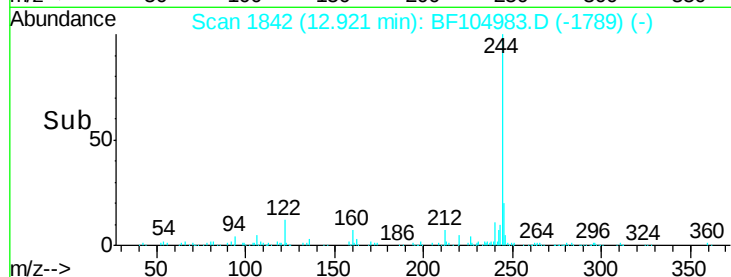
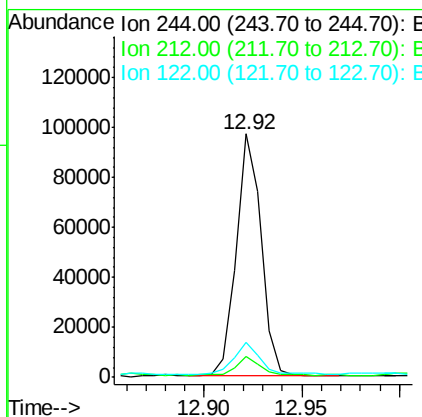
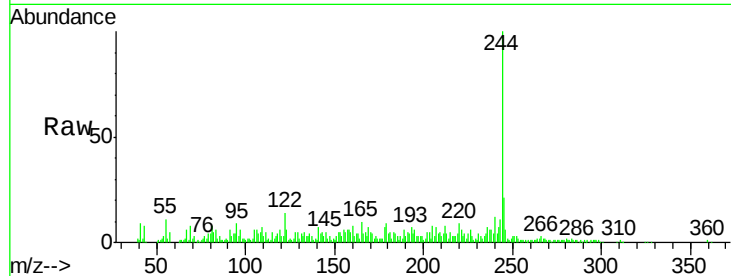
ClientSampleId :

SB-01CDL

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.4	5.4	8.0#
122	14.1	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 10.747 ng

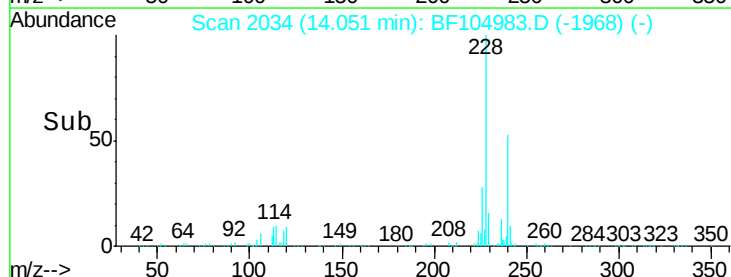
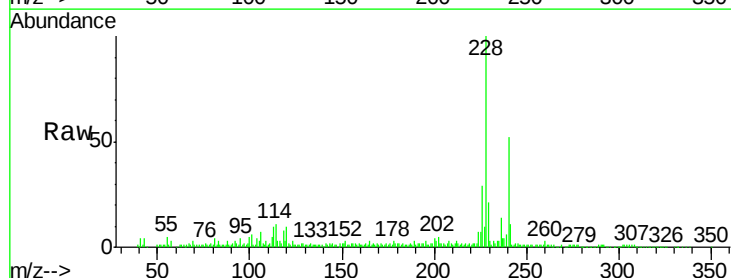
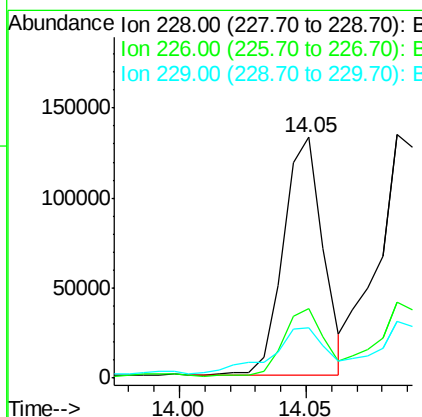
RT: 14.05 min Scan# 2034

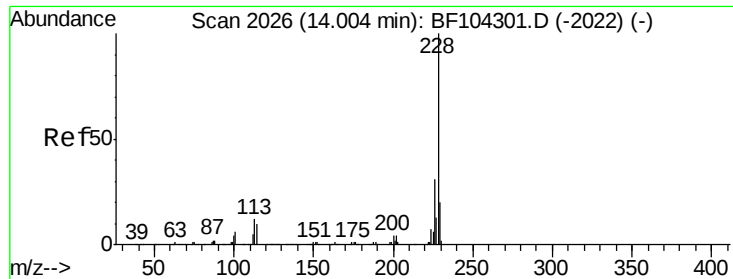
Delta R.T. 0.09 min

Lab File: BF104983.D

Acq: 1 May 2018 15:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.6	33.8
229	20.9	15.8	23.6





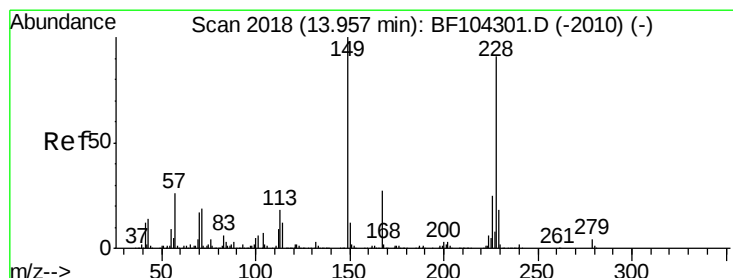
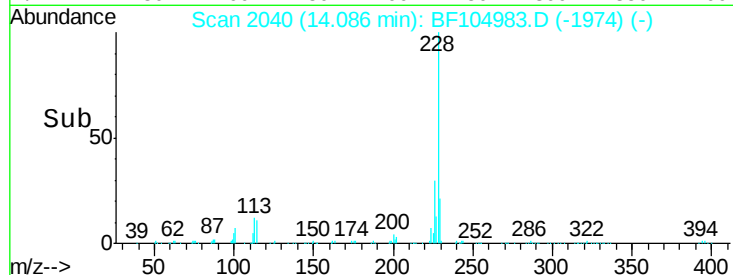
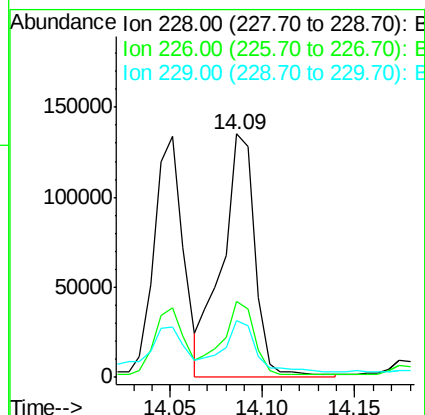
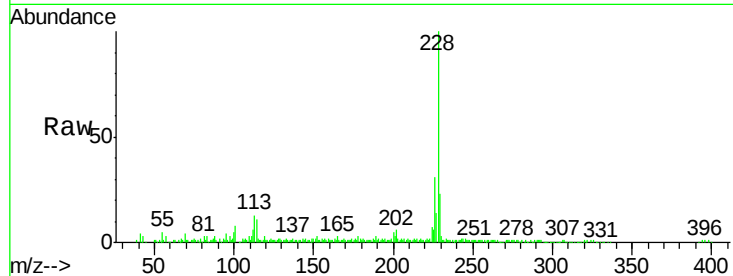
#82
Chrysene
Concen: 12.488 ng m
RT: 14.09 min Scan# 2040
Delta R.T. 0.09 min
Lab File: BF104983.D
Acq: 1 May 2018 15:02

Instrument :
BNA_F
ClientSampleId :
SB-01CDL

Tgt Ion: 228 Resp: 171314
Ion Ratio Lower Upper
228 100
226 31.1 25.0 37.6
229 23.0 16.2 24.4

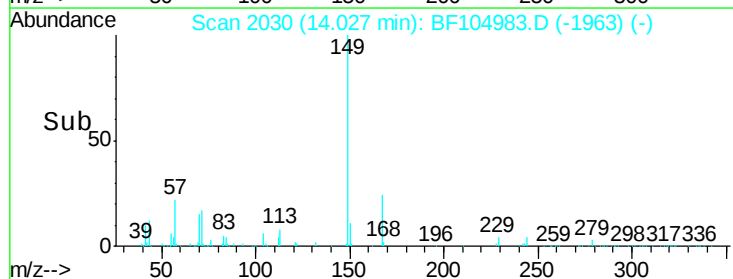
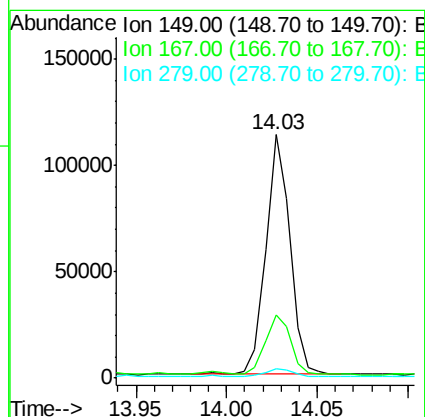
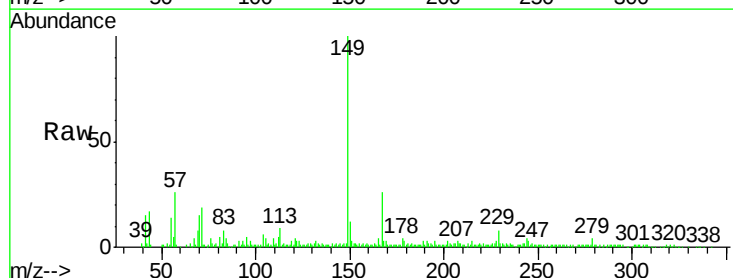
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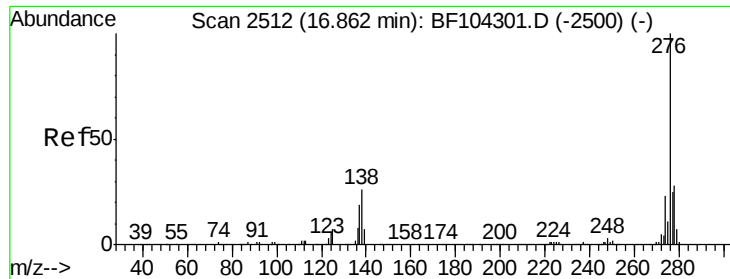
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#83
Bis(2-ethylhexyl)phthalate
Concen: 10.386 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.09 min
Lab File: BF104983.D
Acq: 1 May 2018 15:02

Tgt Ion: 149 Resp: 104292
Ion Ratio Lower Upper
149 100
167 26.2 21.3 31.9
279 3.8 3.0 4.4





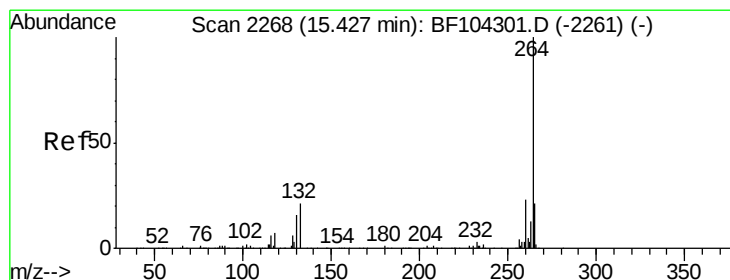
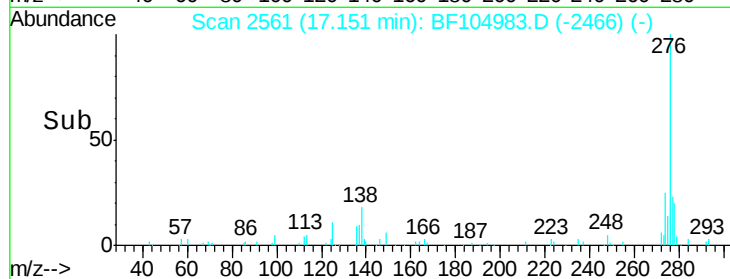
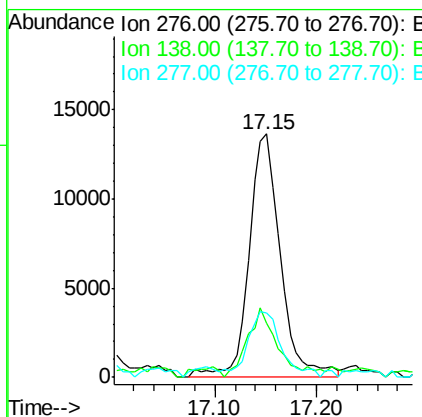
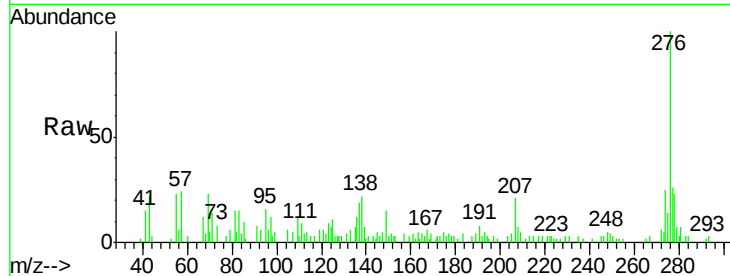
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.517 ng
RT: 17.15 min Scan# 2561
Delta R.T. 0.26 min
Lab File: BF104983.D
Acq: 1 May 2018 15:02

Instrument :
BNA_F
ClientSampleId :
SB-01CDL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.9	25.0	37.6
277	27.9	20.1	30.1

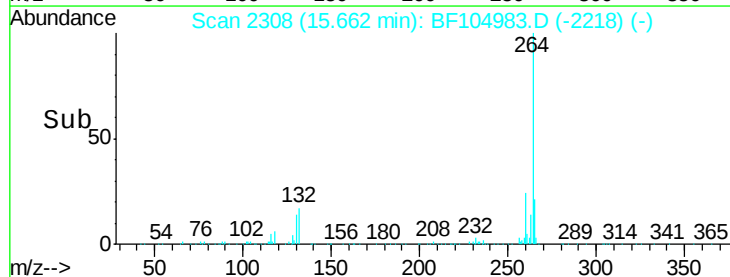
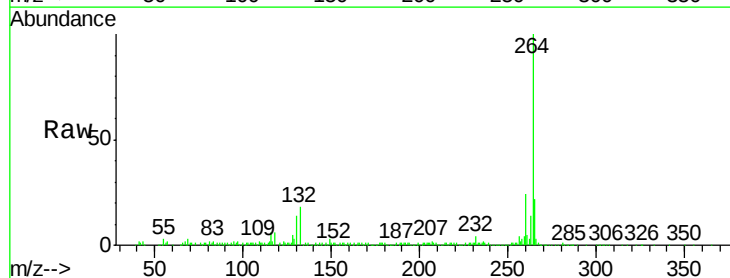
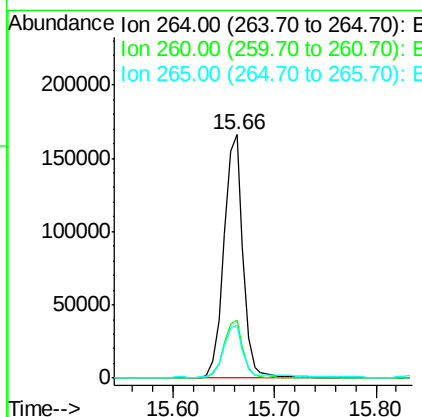
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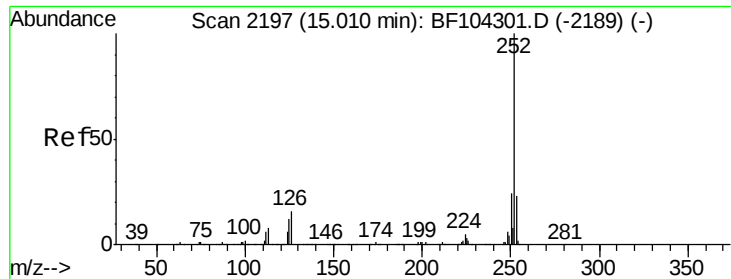
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2308
Delta R.T. 0.23 min
Lab File: BF104983.D
Acq: 1 May 2018 15:02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.5	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 9.176 ng m

RT: 15.22 min Scan# 2233

Delta R.T. 0.21 min

Lab File: BF104983.D

Acq: 1 May 2018 15:02

Instrument :

BNA_F

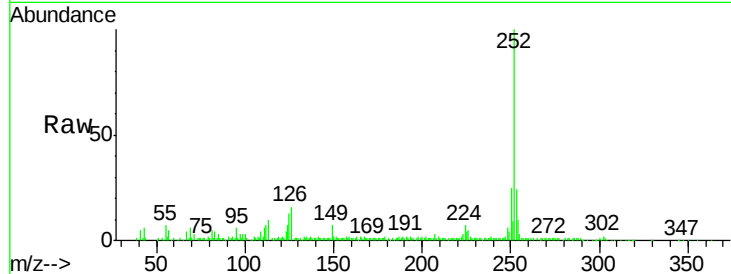
ClientSampleId :

SB-01CDL

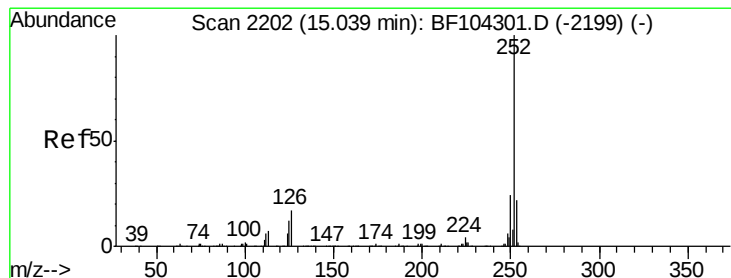
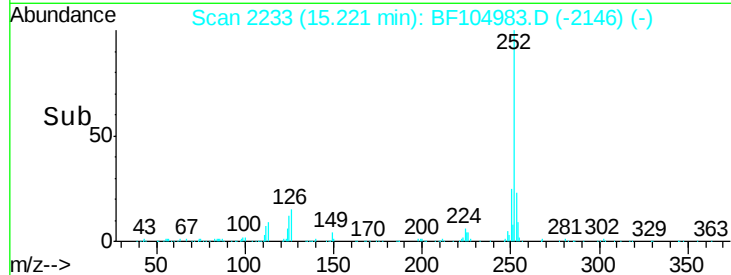
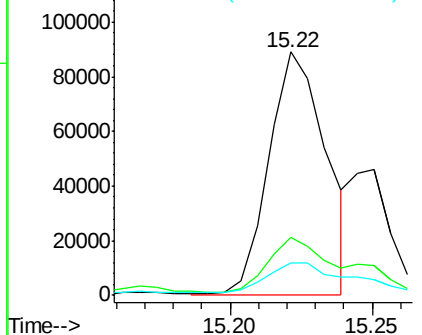
Tgt Ion:	252	Resp:	125777
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.0	25.6
125	13.4	9.0	13.6

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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: 3.568 ng m

RT: 15.25 min Scan# 2238

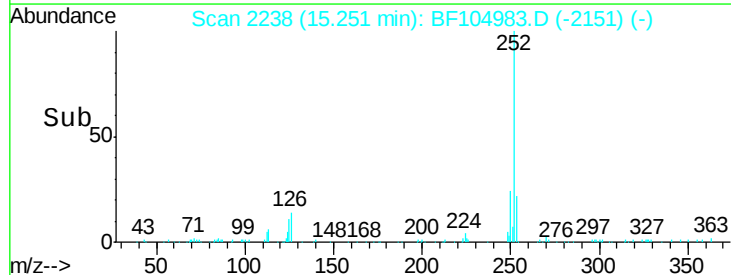
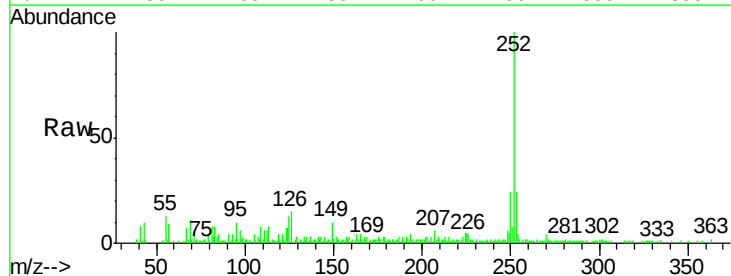
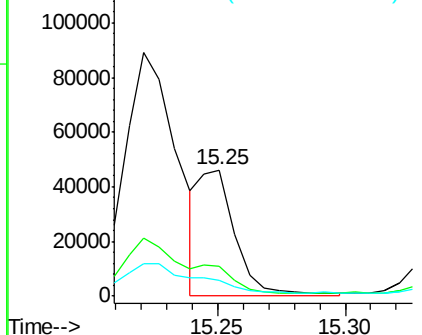
Delta R.T. 0.21 min

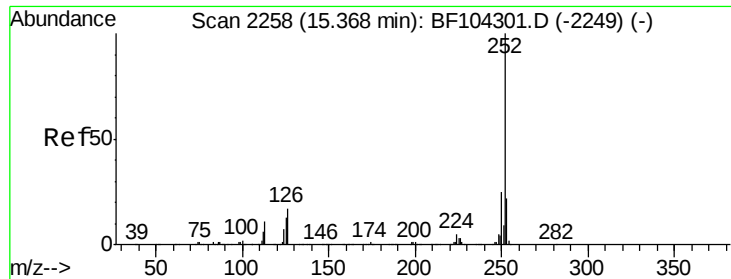
Lab File: BF104983.D

Acq: 1 May 2018 15:02

Tgt Ion:	252	Resp:	46168
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.9	26.9
125	12.9	10.2	15.2

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





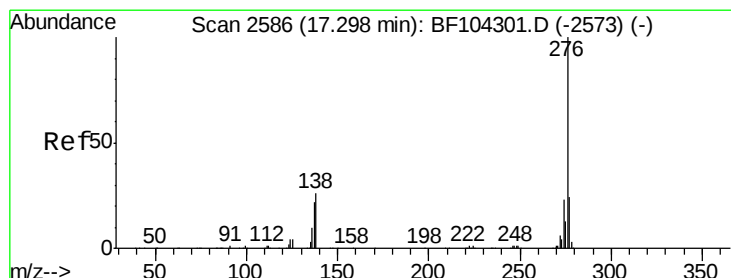
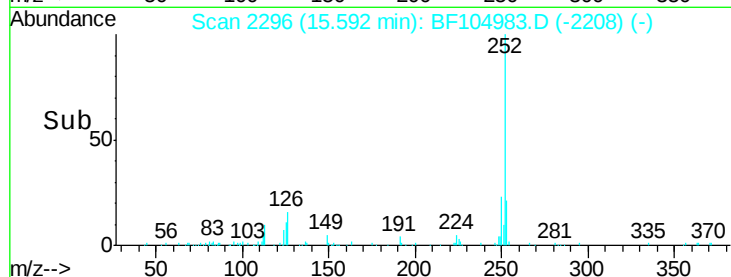
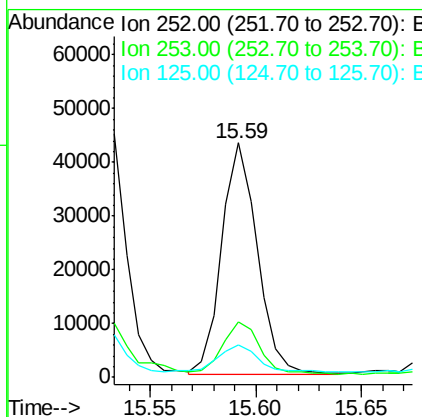
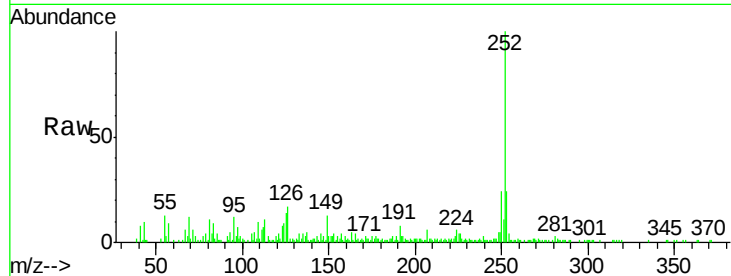
#89
Benzo(a)pyrene
Concen: 4.125 ng
RT: 15.59 min Scan# 2296
Delta R.T. 0.22 min
Lab File: BF104983.D
Acq: 1 May 2018 15:02

Instrument :
BNA_F
ClientSampleId :
SB-01CDL

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.9	17.1	25.7
125	13.9	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 2.396 ng
RT: 17.60 min Scan# 2638
Delta R.T. 0.26 min
Lab File: BF104983.D
Acq: 1 May 2018 15:02

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	23.4	17.9	26.9
138	24.8	21.8	32.8

