

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050218\
 Data File : BF105036.D
 Acq On : 2 May 2018 17:35
 Operator : JU/SJ
 Sample : J2157-15 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-043018-B

Manual Integrations
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Sohil
 5/3/2018 5:00:49 PM

Quant Time: May 03 11:00:56 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 02 17:25:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	93807	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	382705	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	165186	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	255004	20.00	ng	0.00
75) Chrysene-d12	14.03	240	196300	20.00	ng	0.00
86) Perylene-d12	15.59	264	163255	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	289374	47.17	ng	0.00
7) Phenol-d6	6.42	99	349232	46.33	ng	-0.02
23) Nitrobenzene-d5	7.35	82	199739	34.08	ng	-0.02
41) 2,4,6-Tribromophenol	10.62	330	75415	44.01	ng	-0.01
44) 2-Fluorobiphenyl	9.15	172	380096	36.35	ng	-0.01
78) Terphenyl-d14	12.91	244	280653	32.60	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	9.69	152	123550	7.184	ng	99
49) Dimethylphthalate	9.55	163	39248	3.013	ng	99
51) Acenaphthene	9.86	154	31345	2.987	ng	95
57) Fluorene	10.38	166	93026	8.740	ng	98
70) Phenanthrene	11.35	178	563056	39.649	ng	100
71) Anthracene	11.40	178	197113	13.655	ng	99
74) Fluoranthene	12.54	202	638238	43.016	ng	97
77) Pyrene	12.78	202	935968	64.326	ng	100
80) Benzo(a)anthracene	14.02	228	468130	39.918	ng	94
82) Chrysene	14.06	228	451694	37.499	ng	98
85) Indeno(1,2,3-cd)pyrene	17.07	276	113917	11.133	ng	# 92
87) Benzo(b)fluoranthene	15.16	252	344662m	33.427	ng	
88) Benzo(k)fluoranthene	15.18	252	102262m	10.505	ng	
89) Benzo(a)pyrene	15.53	252	294487m	31.920	ng	
90) Dibenzo(a,h)anthracene	17.08	278	40694	5.371	ng	# 87
91) Benzo(g,h,i)perylene	17.52	276	122293	16.659	ng	95

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

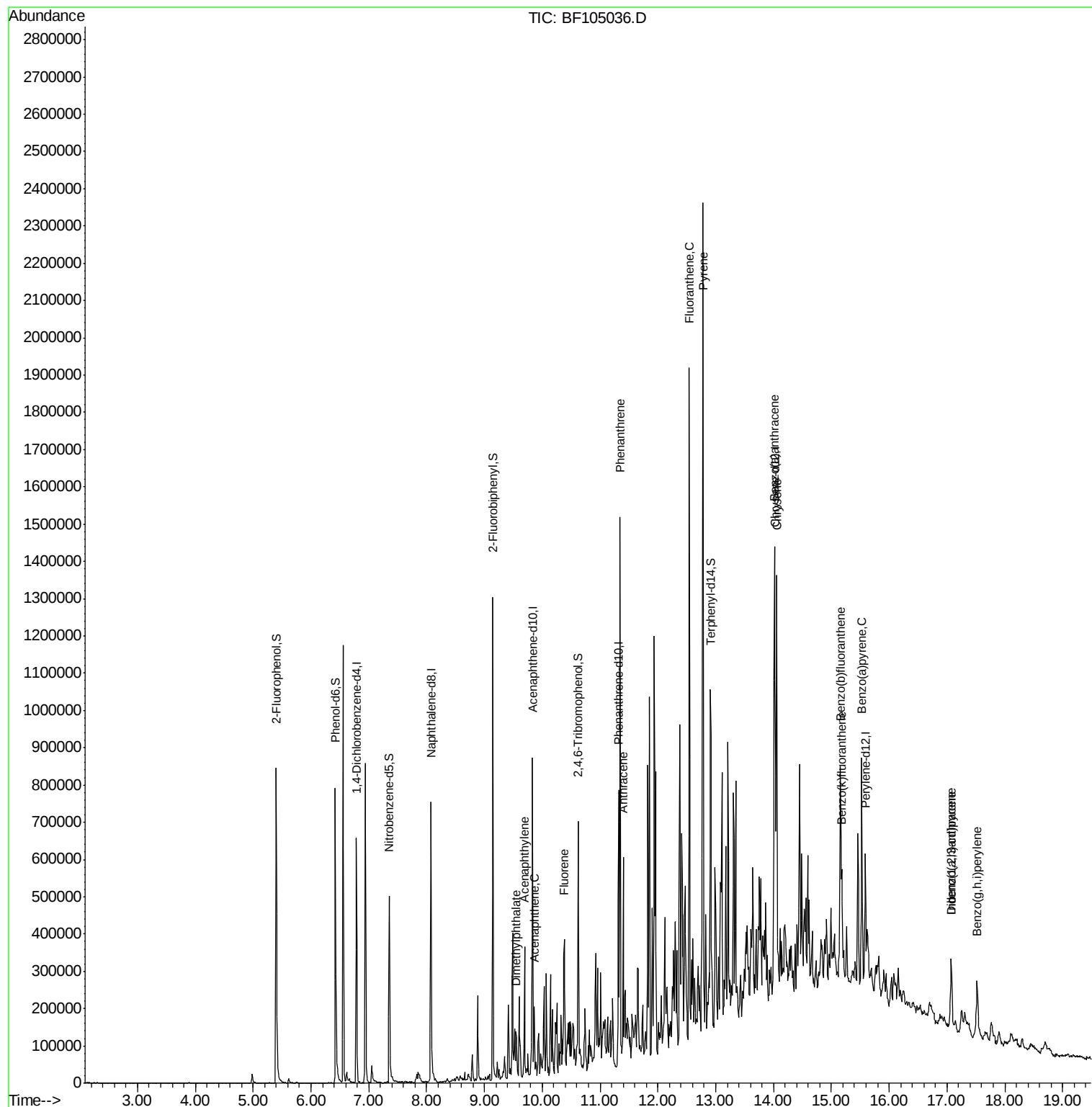
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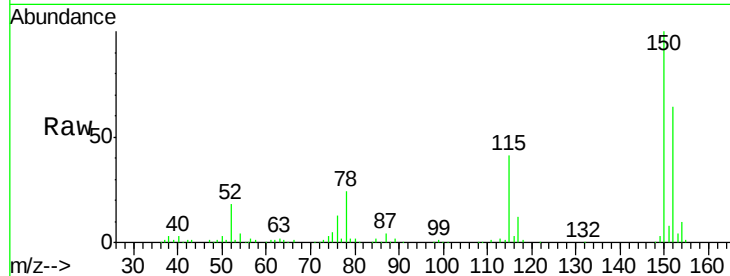
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: BF105036.D
 Acq: 2 May 2018 17:35

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-043018-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	124.6	186.8
115	63.3	50.1	75.1

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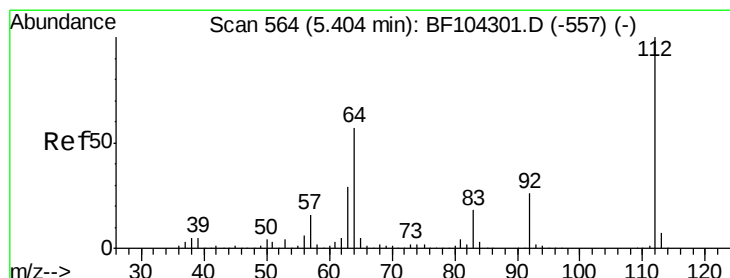
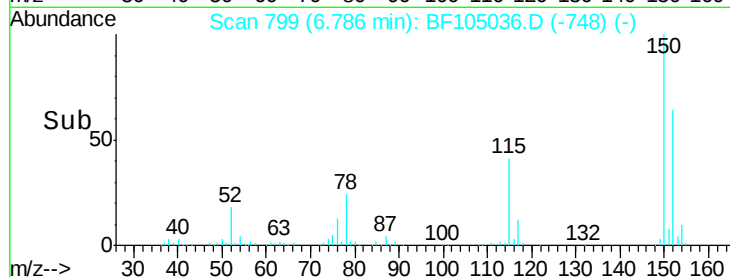
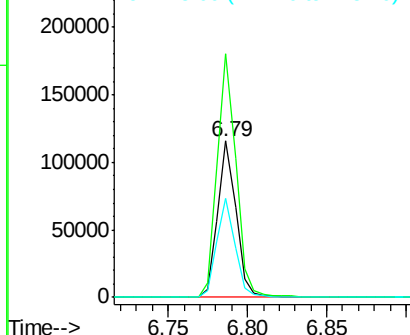


Abundance

Ion 152.00 (151.70 to 152.70): E

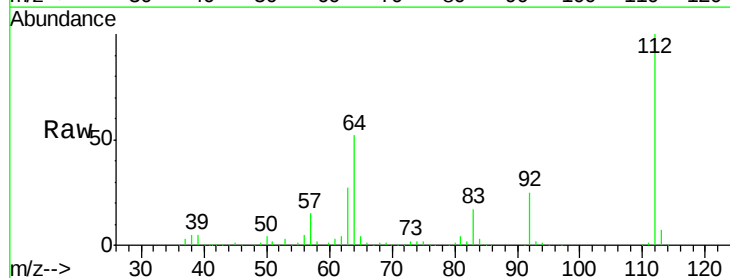
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 47.168 ng
 RT: 5.40 min Scan# 563
 Delta R.T. -0.01 min
 Lab File: BF105036.D
 Acq: 2 May 2018 17:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.0	47.9	71.9
63	26.5	23.7	35.5

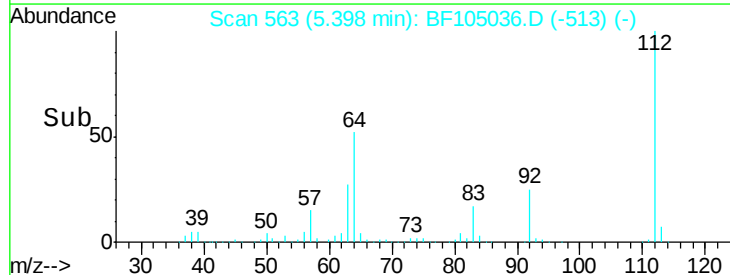
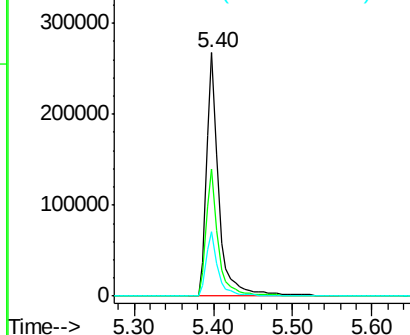


Abundance

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: 46.330 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.02 min

Lab File: BF105036.D

Acq: 2 May 2018 17:35

Instrument :

BNA_F

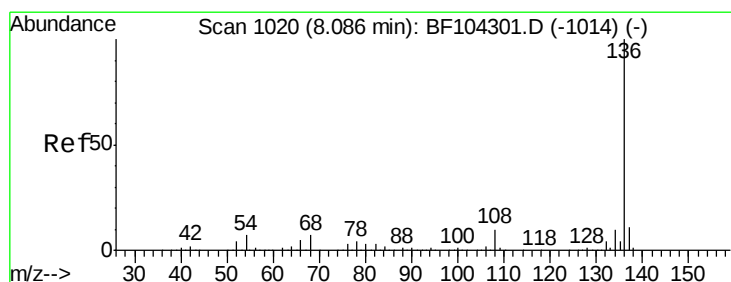
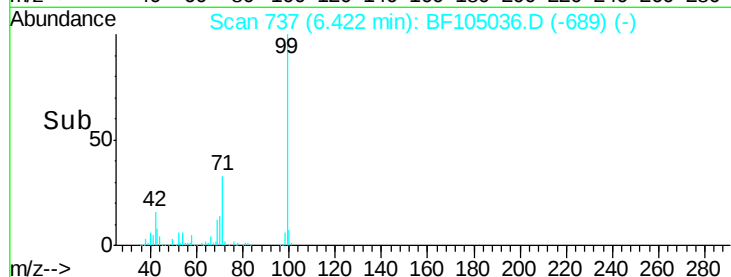
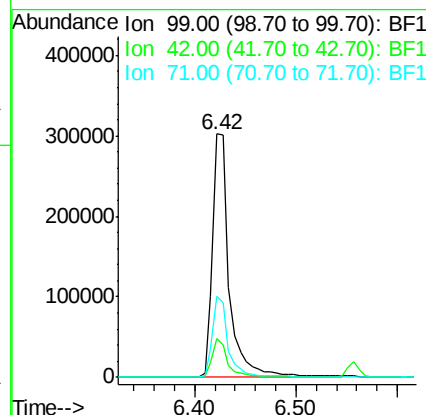
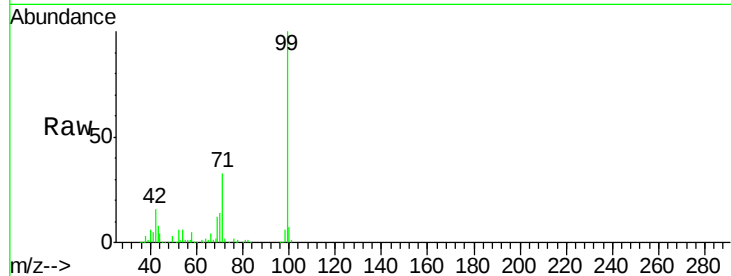
ClientSampleId :

CL-02-043018-B

Tot Ion:	99	Resp:	349232
Ion Ratio	Lower	Upper	
99	100		
42	15.9	14.5	21.7
71	33.4	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

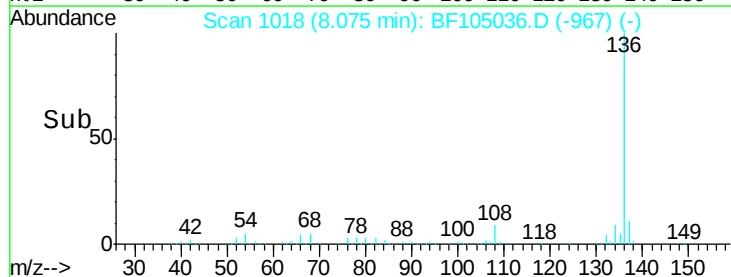
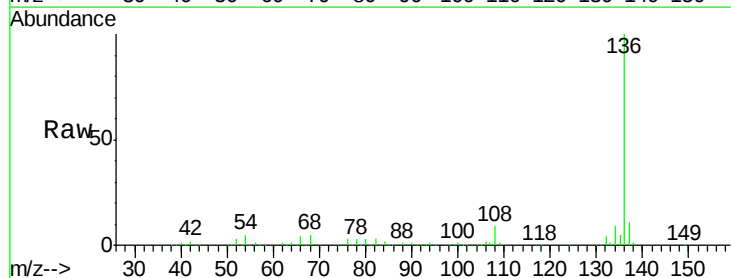
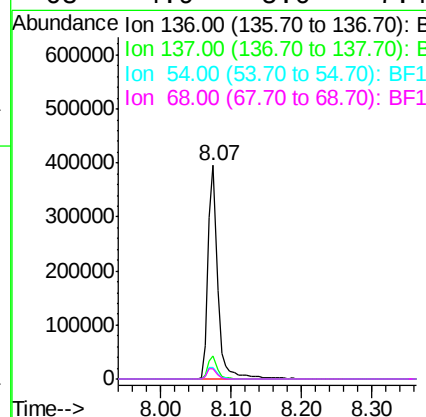
RT: 8.07 min Scan# 1018

Delta R.T. -0.00 min

Lab File: BF105036.D

Acq: 2 May 2018 17:35

Tgt Ion:	136	Resp:	382705
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.9	13.3
54	5.5	6.6	9.8#
68	4.9	5.0	7.4#





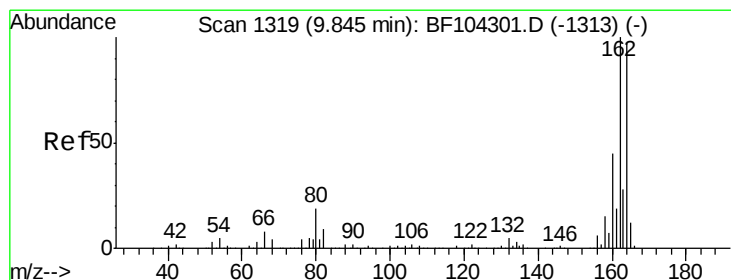
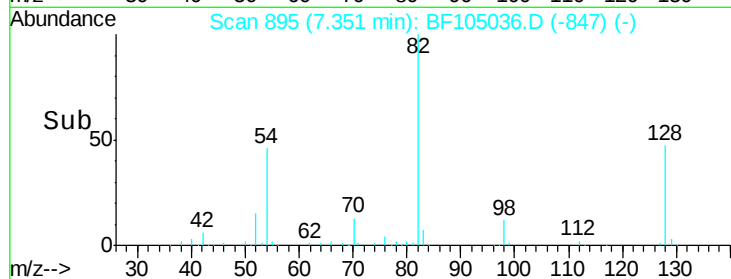
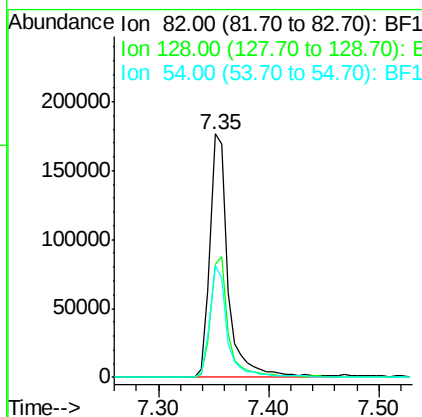
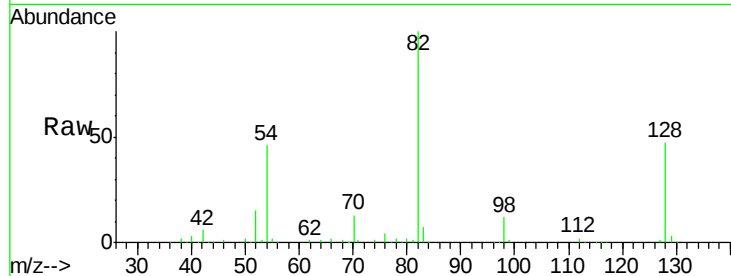
#23
 Nitrobenzene-d5
 Concen: 34.080 ng
 RT: 7.35 min Scan# 895
 Delta R.T. -0.02 min
 Lab File: BF105036.D
 Acq: 2 May 2018 17:35

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-043018-B

Tot Ion	Ratio	Resp	Lower	Upper
82	100	199739		
128	46.6	36.1	54.1	
54	45.7	41.4	62.2	

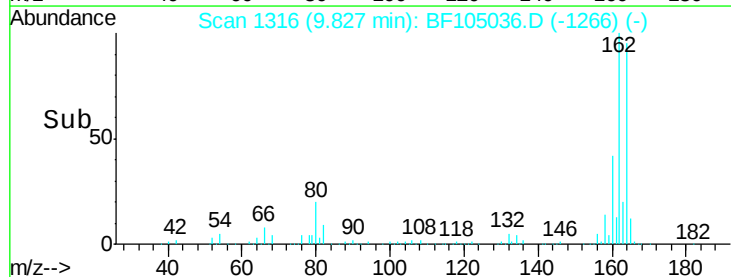
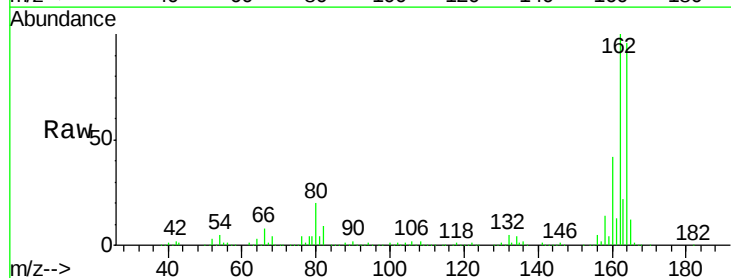
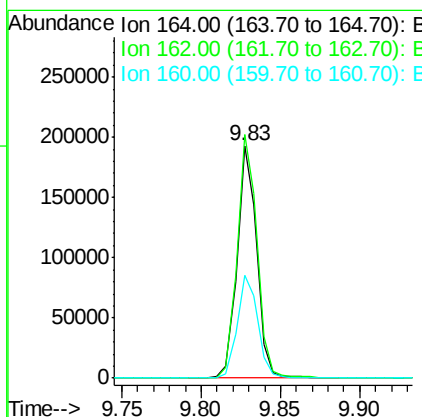
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: BF105036.D
 Acq: 2 May 2018 17:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	165186		
162	104.7	86.1	129.1	
160	44.3	38.3	57.5	





#41

2,4,6-Tribromophenol

Concen: 44.012 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BF105036.D

Acq: 2 May 2018 17:35

Instrument :

BNA_F

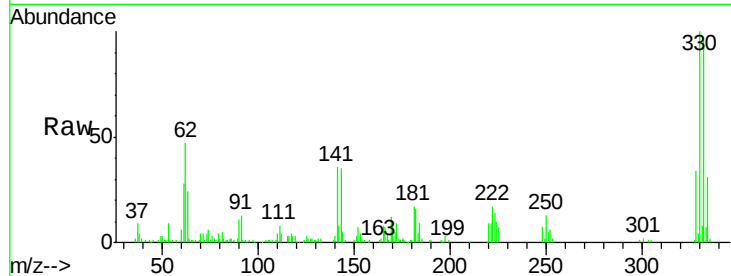
ClientSampleId :

CL-02-043018-B

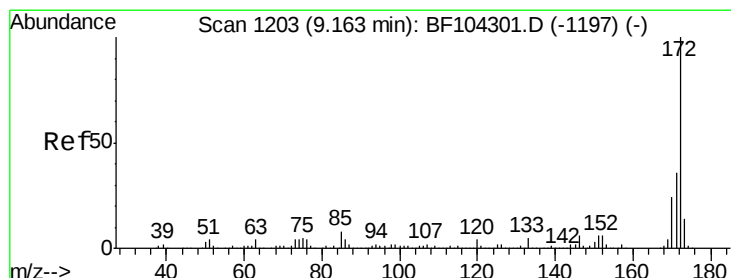
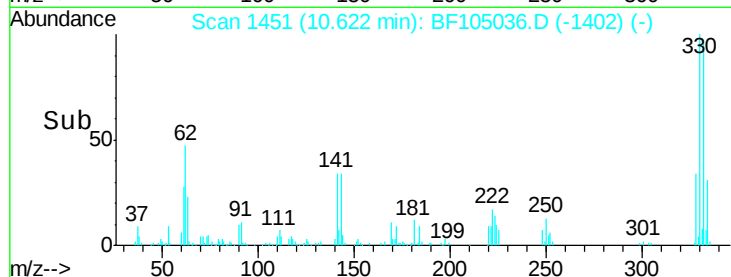
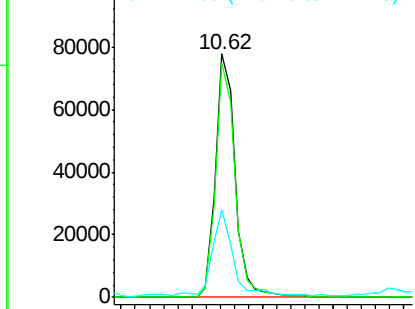
Tot Ion:	330	Resp:	75415
Ion Ratio	Lower	Upper	
330	100		
332	95.7	77.0	115.6
141	37.2	29.9	44.9

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



#44

2-Fluorobiphenyl

Concen: 36.350 ng

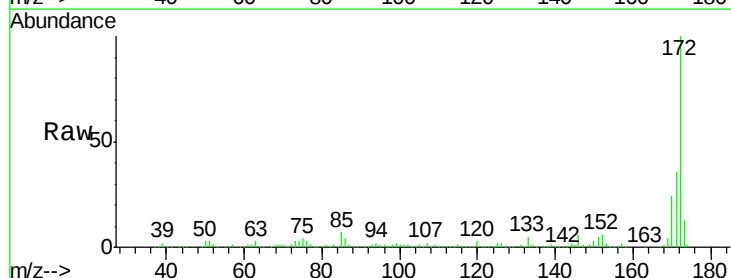
RT: 9.15 min Scan# 1200

Delta R.T. -0.01 min

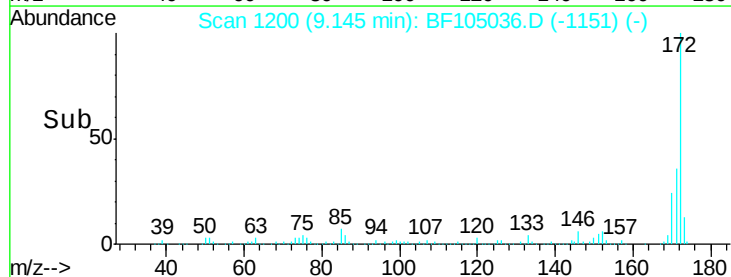
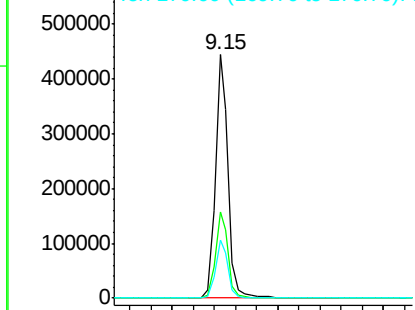
Lab File: BF105036.D

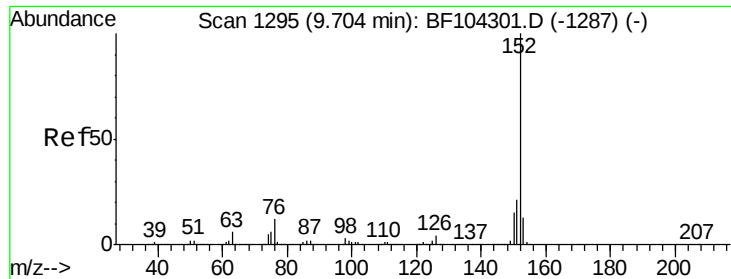
Acq: 2 May 2018 17:35

Tgt Ion:	172	Resp:	380096
Ion Ratio	Lower	Upper	
172	100		
171	35.6	29.7	44.5
170	23.8	19.6	29.4



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





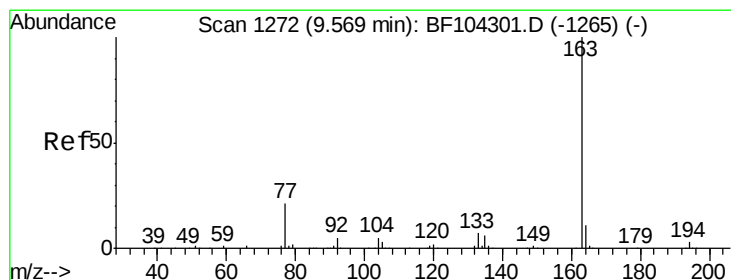
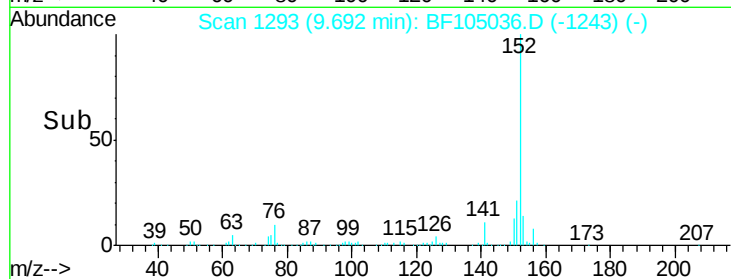
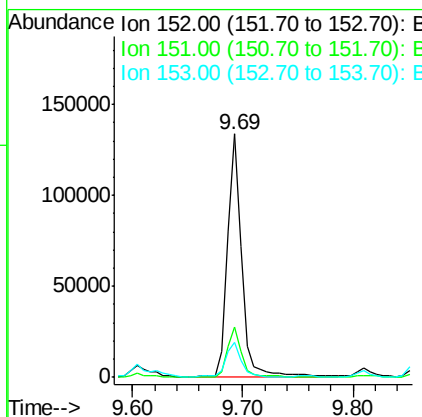
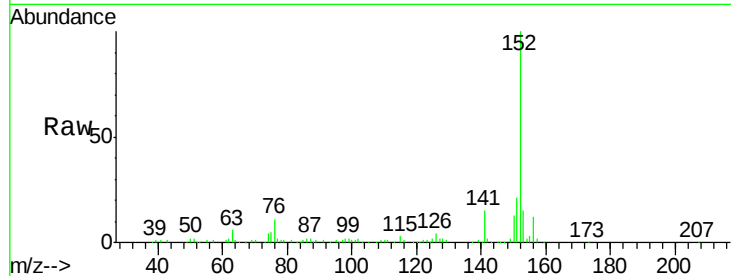
#48
Acenaphthylene
Concen: 7.184 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF105036.D
Acq: 2 May 2018 17:35

Instrument :
BNA_F
ClientSampled :
CL-02-043018-B

Tot Ion:	152	Resp:	123550
Ion Ratio		Lower	Upper
152	100		
151	20.6	16.3	24.5
153	14.6	10.7	16.1

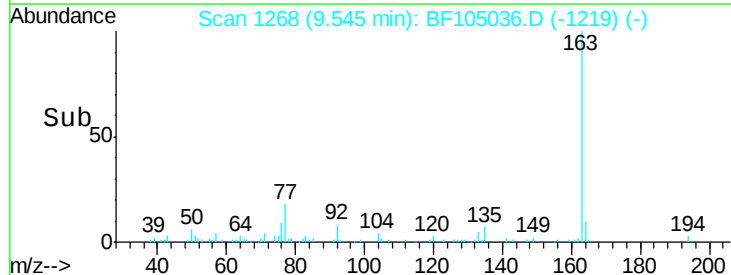
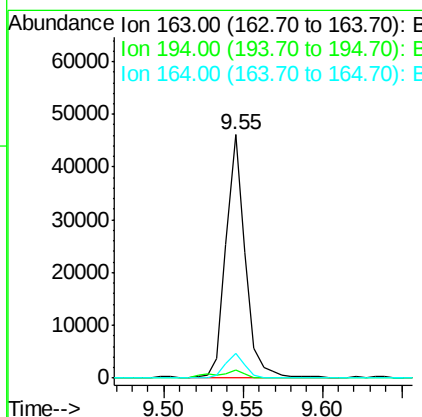
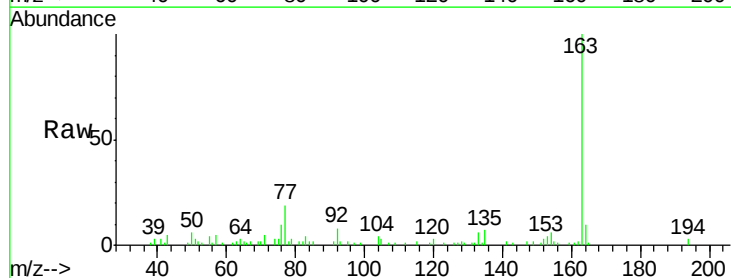
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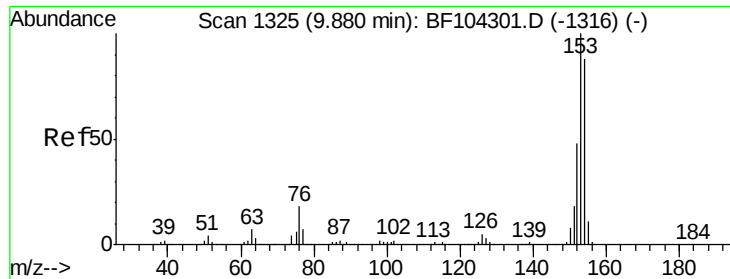
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#49
Dimethylphthalate
Concen: 3.013 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF105036.D
Acq: 2 May 2018 17:35

Tgt Ion:	163	Resp:	39248
Ion Ratio		Lower	Upper
163	100		
194	3.2	2.7	4.1
164	10.0	8.2	12.2





#51

Acenaphthene

Concen: 2.987 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF105036.D

Acq: 2 May 2018 17:35

Instrument :

BNA_F

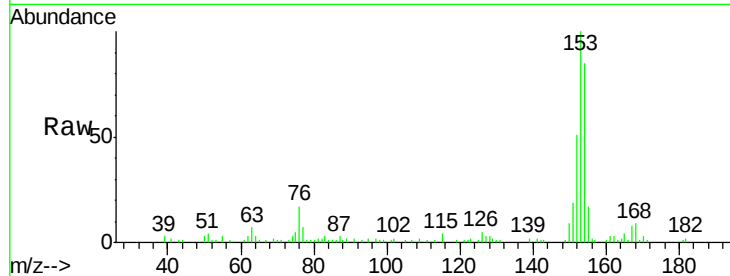
ClientSampleId :

CL-02-043018-B

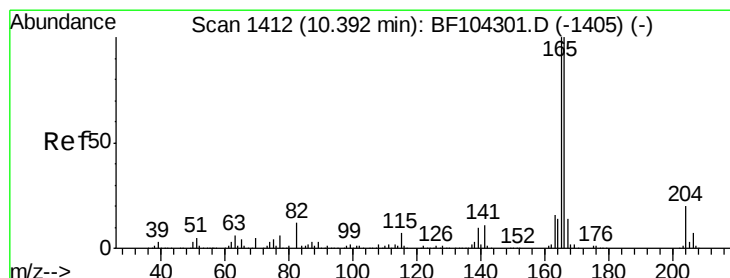
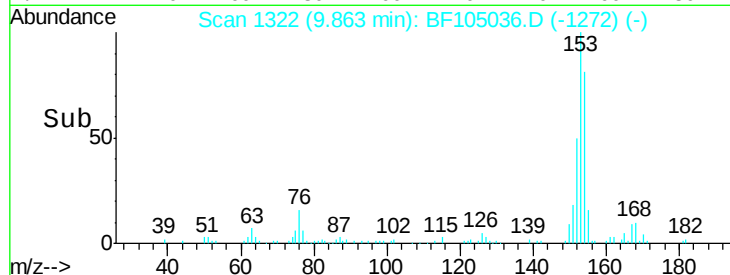
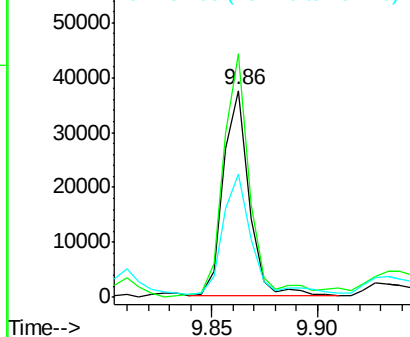
Tot Ion:	154	Resp:	31345
Ion Ratio	Lower	Upper	
154	100		
153	117.7	91.2	136.8
152	59.9	43.8	65.8

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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



#57

Fluorene

Concen: 8.740 ng

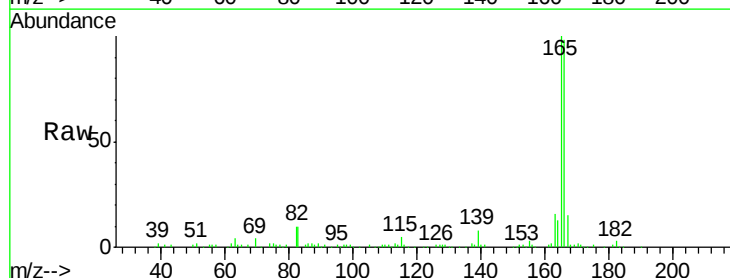
RT: 10.38 min Scan# 1410

Delta R.T. -0.01 min

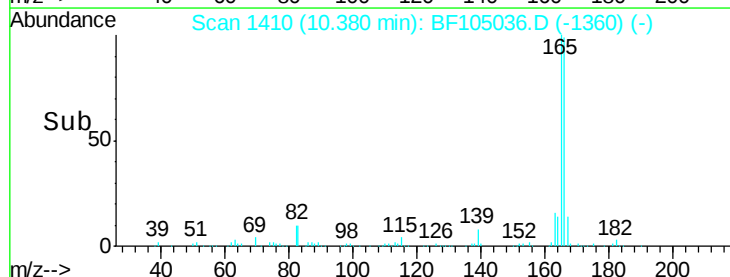
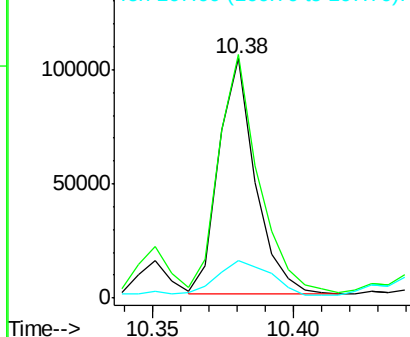
Lab File: BF105036.D

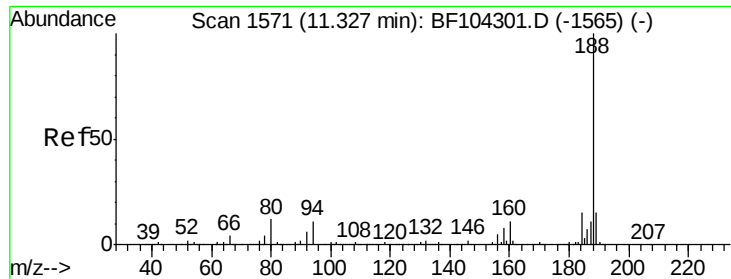
Acq: 2 May 2018 17:35

Tgt Ion:	166	Resp:	93026
Ion Ratio	Lower	Upper	
166	100		
165	101.8	79.8	119.8
167	15.6	10.6	16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.00 min

Lab File: BF105036.D

Acq: 2 May 2018 17:35

Instrument :

BNA_F

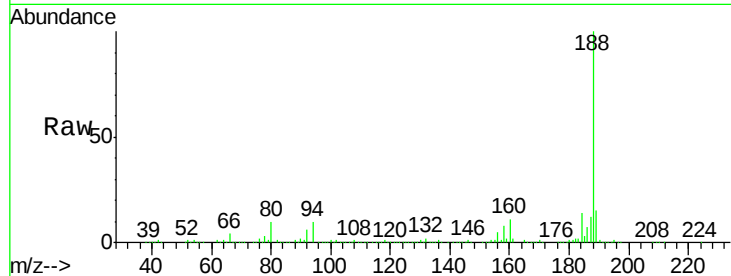
ClientSampleId :

CL-02-043018-B

Tot Ion:	188	Resp:	255004
Ion Ratio		Lower	Upper
188	100		
94	9.7	8.5	12.7
80	9.7	9.2	13.8

Manual Integrations
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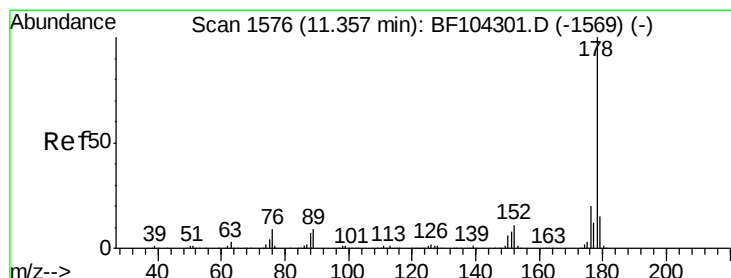
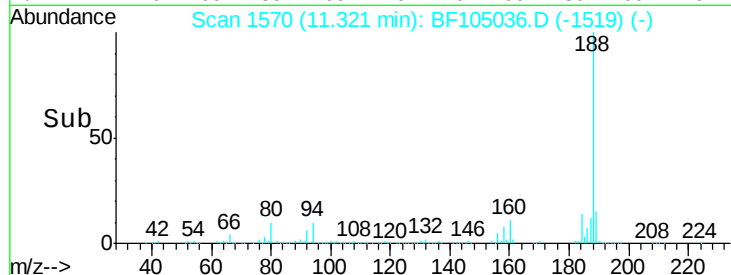
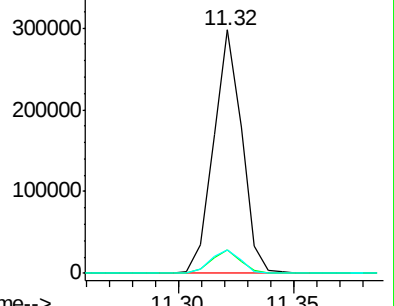
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#70

Phenanthrene

Concen: 39.649 ng

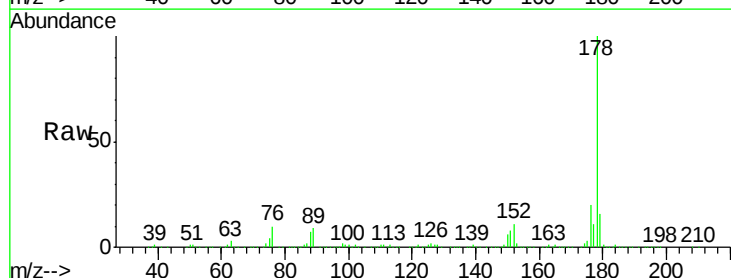
RT: 11.35 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BF105036.D

Acq: 2 May 2018 17:35

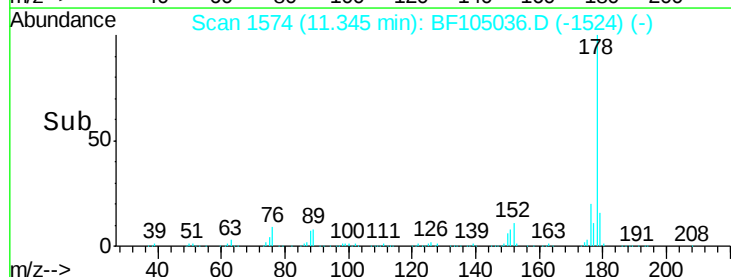
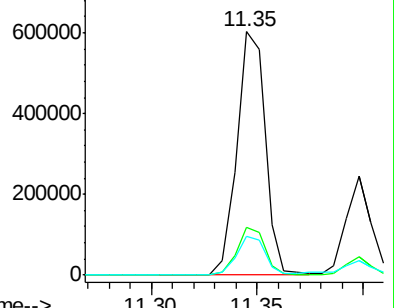
Tgt Ion:	178	Resp:	563056
Ion Ratio		Lower	Upper
178	100		
176	19.6	15.8	23.8
179	16.1	13.0	19.6

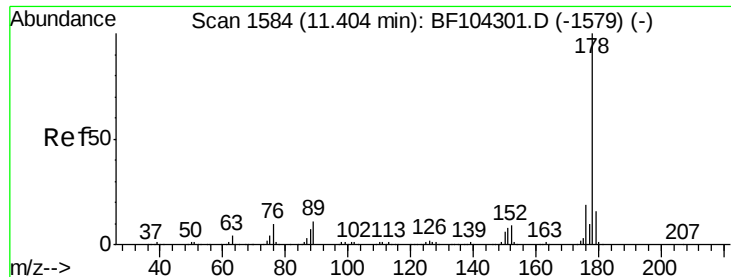


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





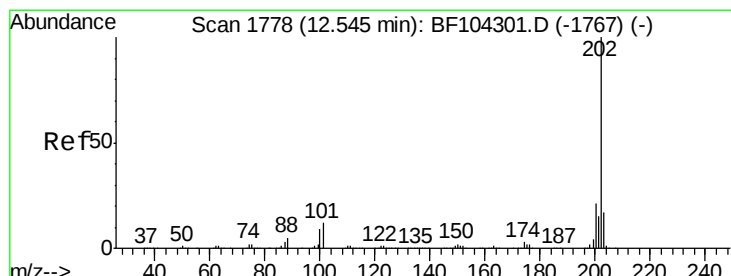
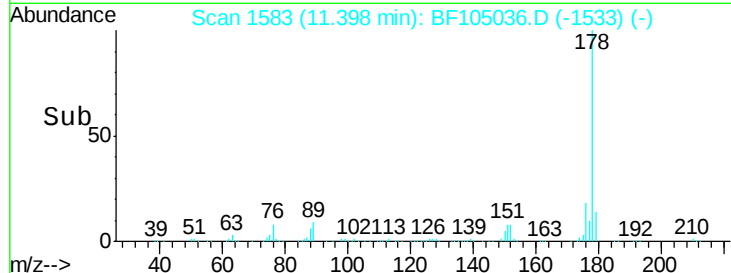
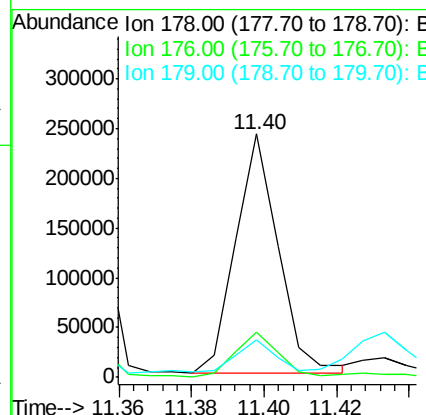
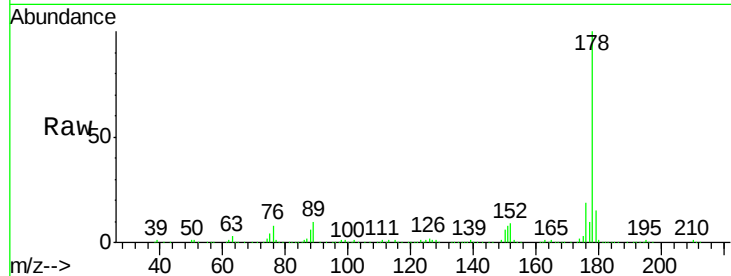
#71
 Anthracene
 Concen: 13.655 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF105036.D
 Acq: 2 May 2018 17:35

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-043018-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	15.3	12.6	19.0

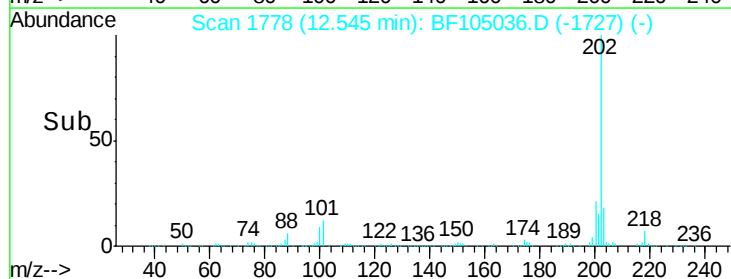
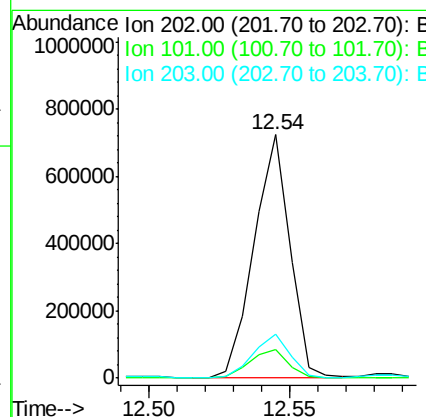
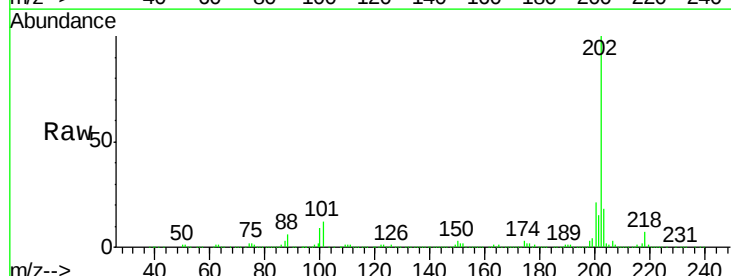
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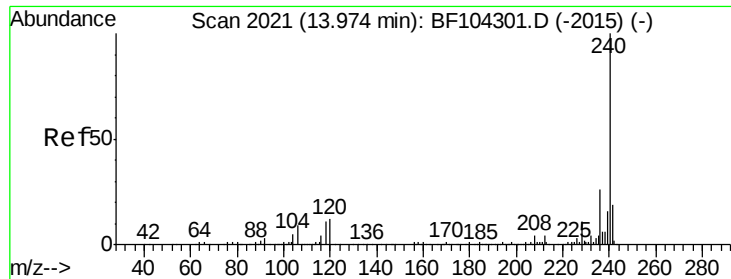
Sohil
 5/3/2018 5:00:49 PM



#74
 Fluoranthene
 Concen: 43.016 ng
 RT: 12.54 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: BF105036.D
 Acq: 2 May 2018 17:35

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	34.1
203	17.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF105036.D

Acq: 2 May 2018 17:35

Instrument :

BNA_F

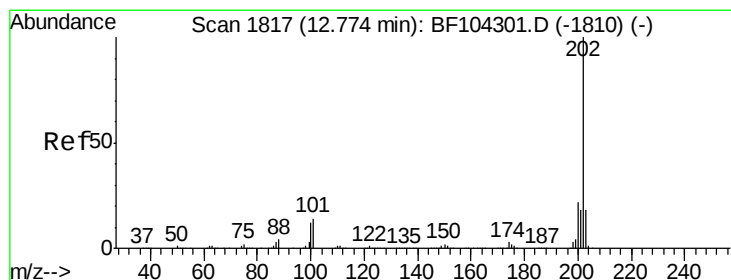
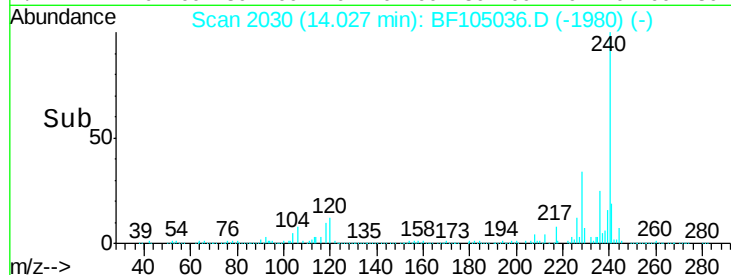
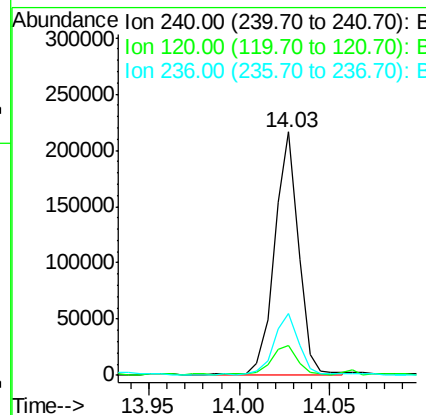
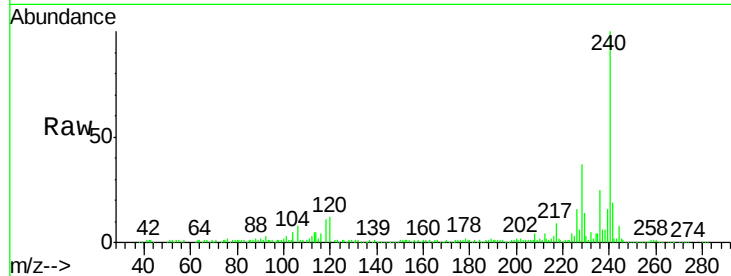
ClientSampleId :

CL-02-043018-B

Tot Ion:	240	Resp:	196300
Ion Ratio		Lower	Upper
240	100		
120	12.4	9.5	14.3
236	25.3	20.7	31.1

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#77

Pyrene

Concen: 64.326 ng

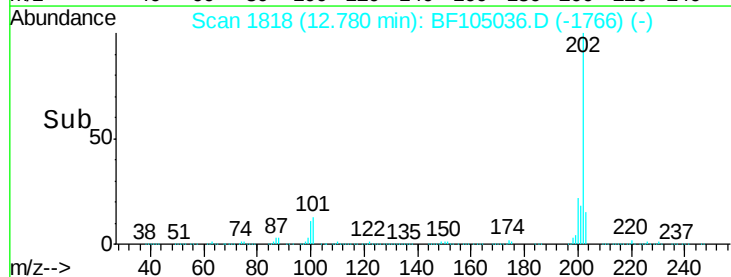
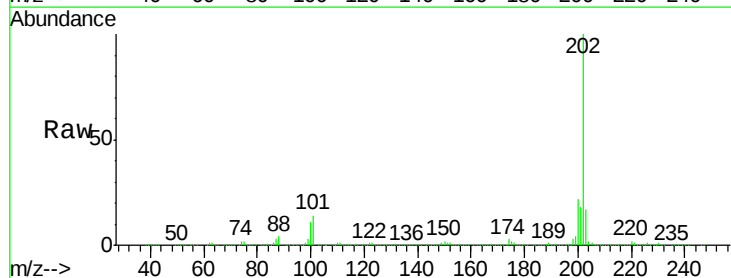
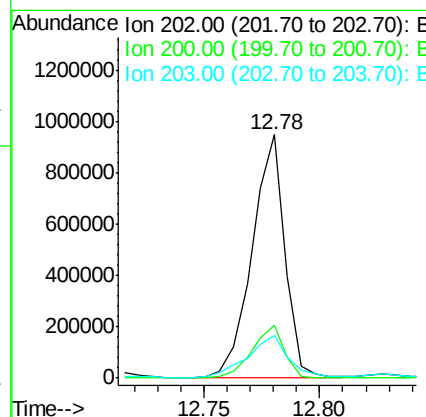
RT: 12.78 min Scan# 1818

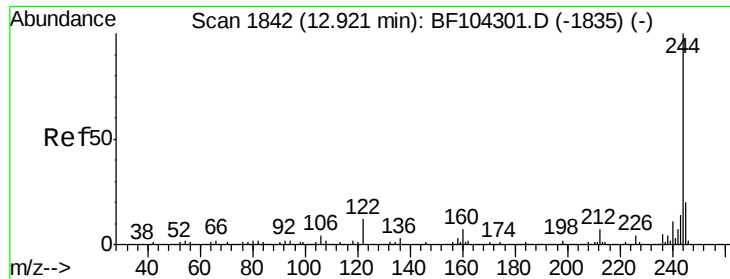
Delta R.T. 0.01 min

Lab File: BF105036.D

Acq: 2 May 2018 17:35

Tgt Ion:	202	Resp:	935968
Ion Ratio		Lower	Upper
202	100		
200	21.8	17.4	26.2
203	17.5	14.3	21.5





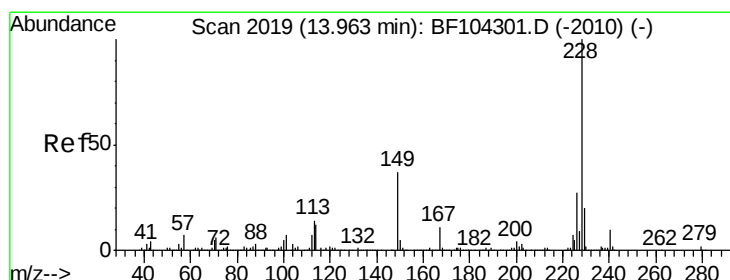
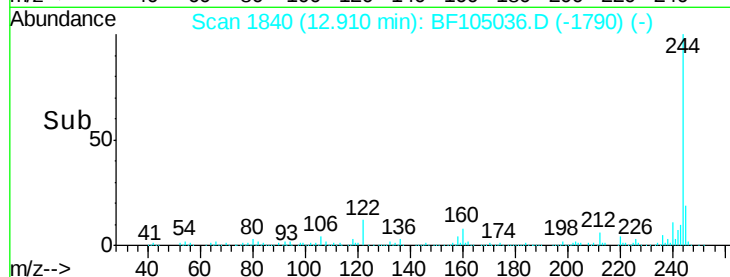
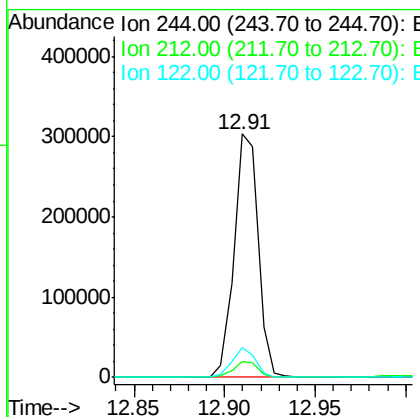
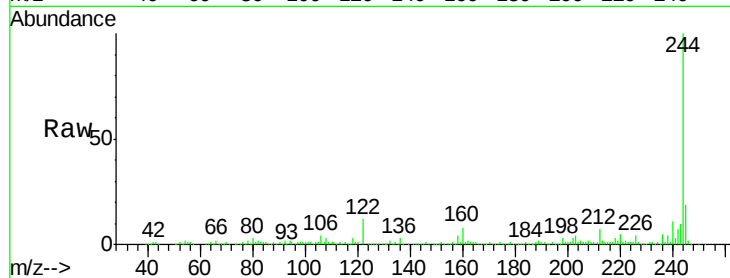
#78
 Terphenyl-d14
 Concen: 32.595 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BF105036.D
 Acq: 2 May 2018 17:35

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-043018-B

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	12.5	11.0	16.4

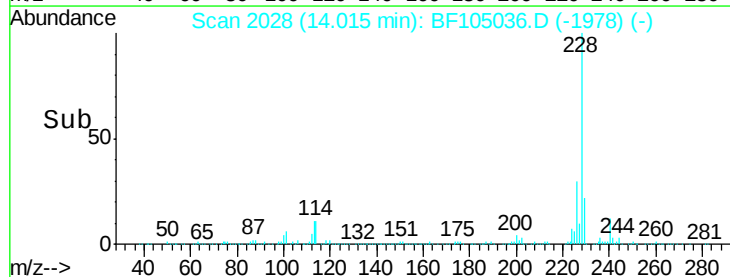
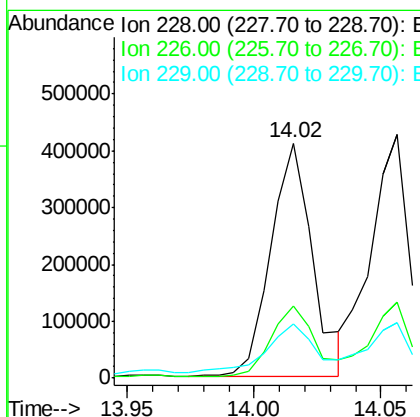
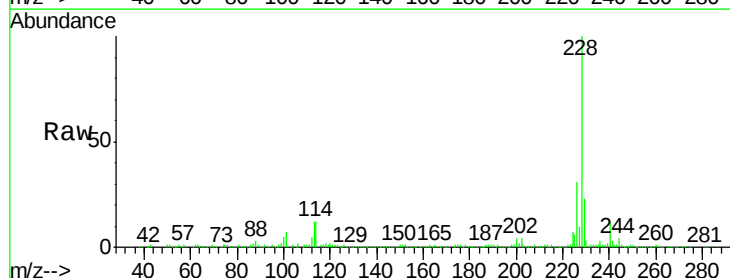
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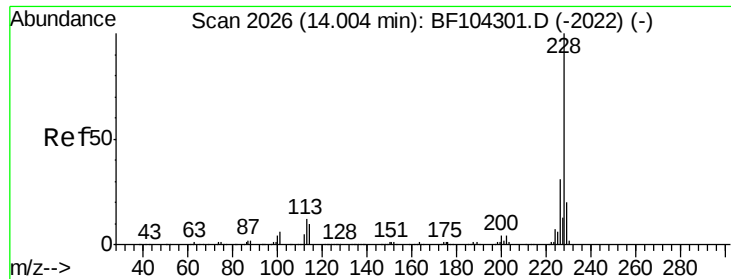
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 5/3/2018 5:00:49 PM



#80
 Benzo(a)anthracene
 Concen: 39.918 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: BF105036.D
 Acq: 2 May 2018 17:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	22.6	33.8
229	23.0	15.8	23.6





#82

Chrysene

Concen: 37.499 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF105036.D

Acq: 2 May 2018 17:35

Instrument :

BNA_F

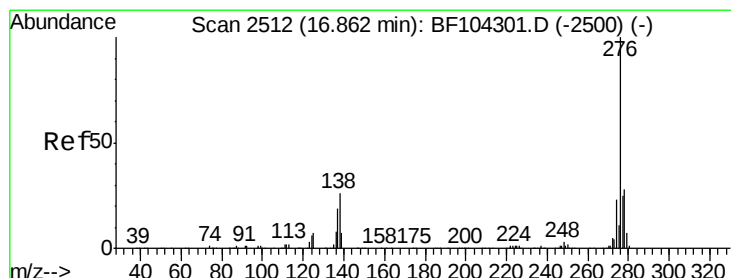
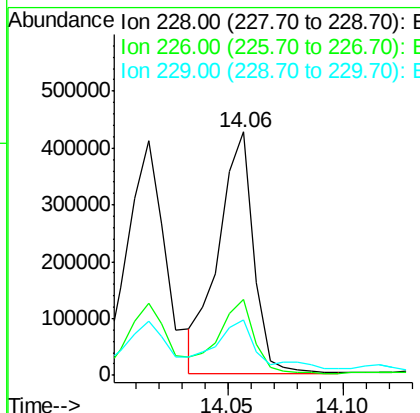
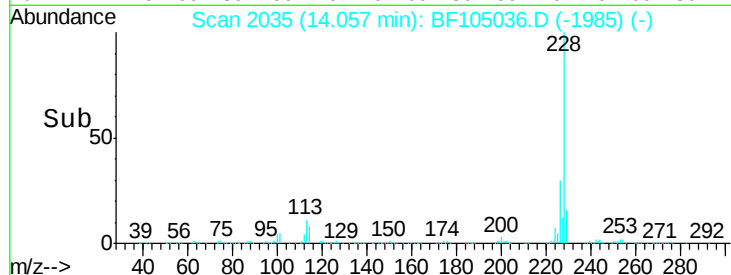
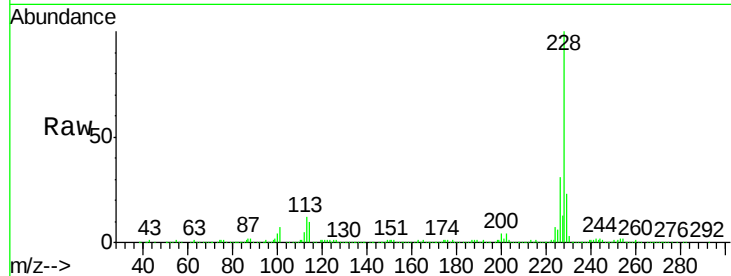
ClientSampleId :

CL-02-043018-B

Tot Ion:	228	Resp:	451694
Ion Ratio	Lower	Upper	
228	100		
226	31.3	25.0	37.6
229	22.6	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 11.133 ng

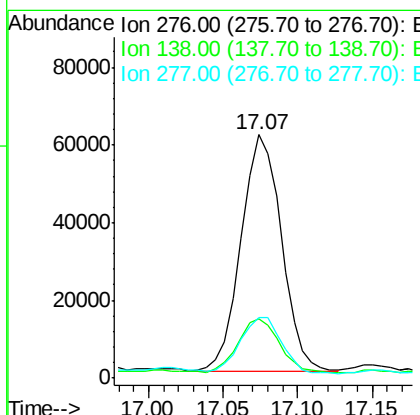
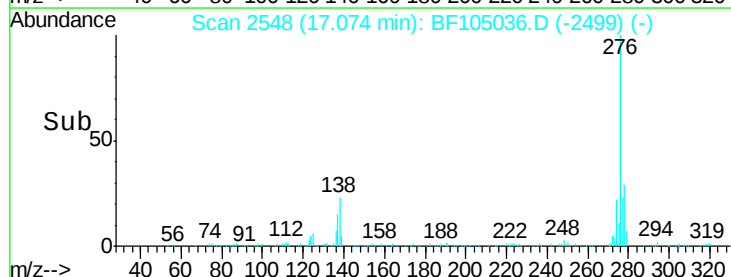
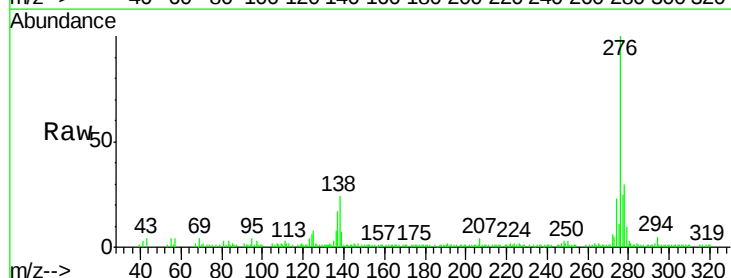
RT: 17.07 min Scan# 2548

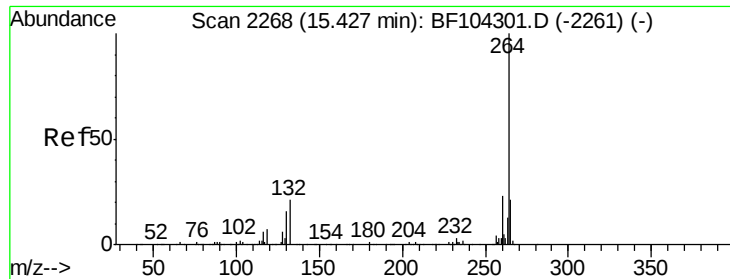
Delta R.T. -0.01 min

Lab File: BF105036.D

Acq: 2 May 2018 17:35

Tgt Ion:	276	Resp:	113917
Ion Ratio	Lower	Upper	
276	100		
138	23.7	25.0	37.6#
277	24.9	20.1	30.1





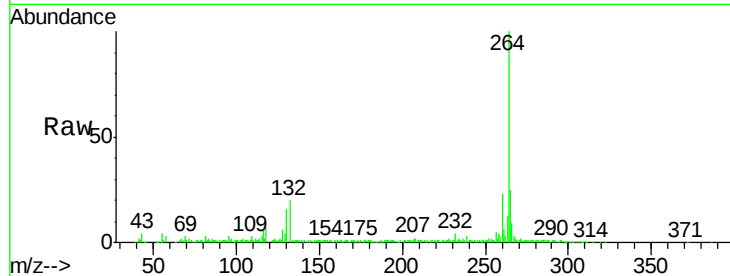
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.59 min Scan# 2295
Delta R.T. -0.01 min
Lab File: BF105036.D
Acq: 2 May 2018 17:35

Instrument :
BNA_F
ClientSampleId :
CL-02-043018-B

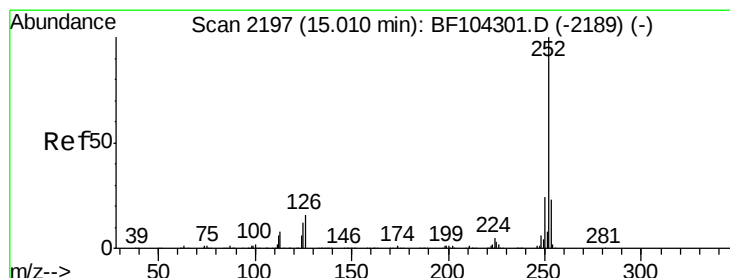
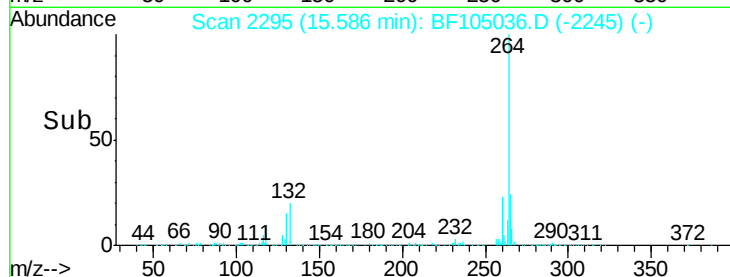
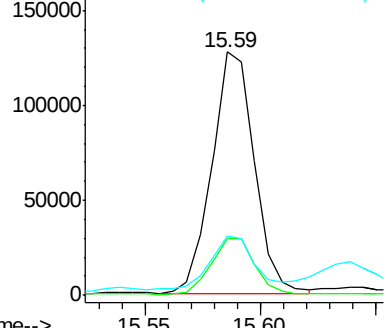
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	24.5	17.5	26.3

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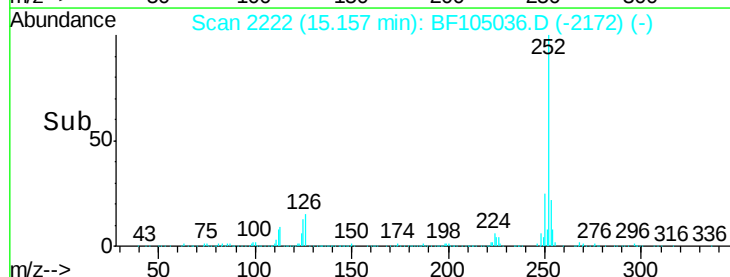
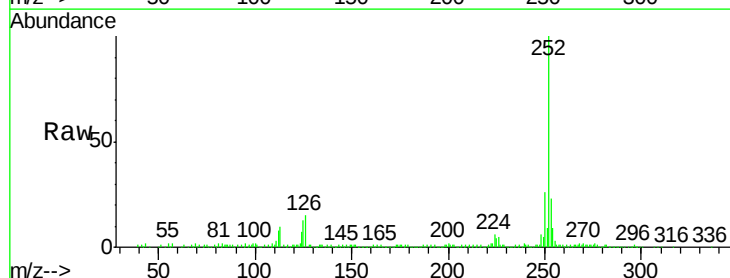
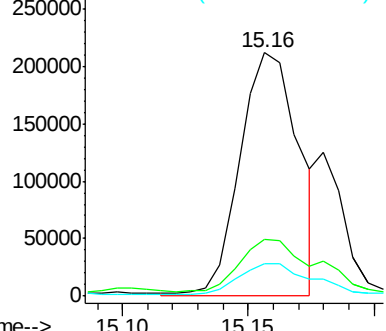
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

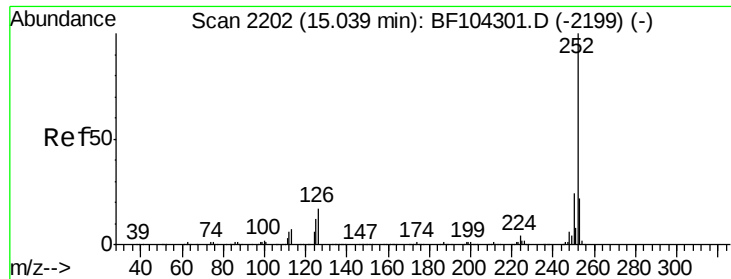


#87
Benzo(b)fluoranthene
Concen: 33.427 ng m
RT: 15.16 min Scan# 2222
Delta R.T. -0.01 min
Lab File: BF105036.D
Acq: 2 May 2018 17:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.0	25.6
125	13.4	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





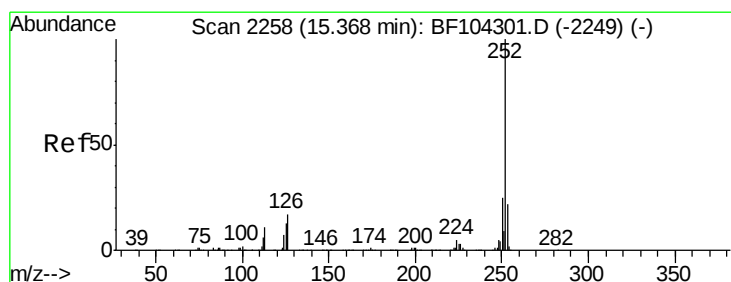
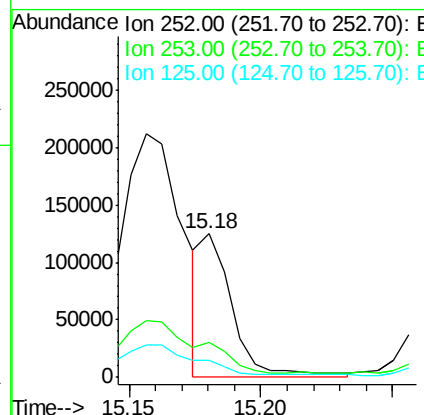
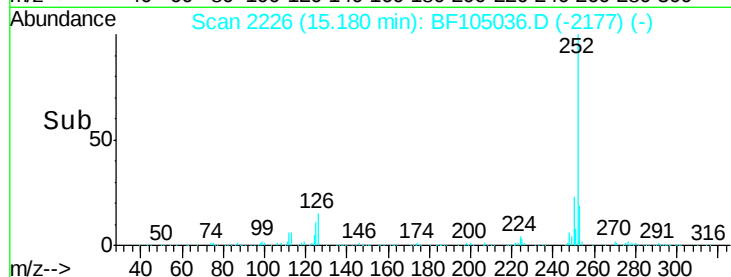
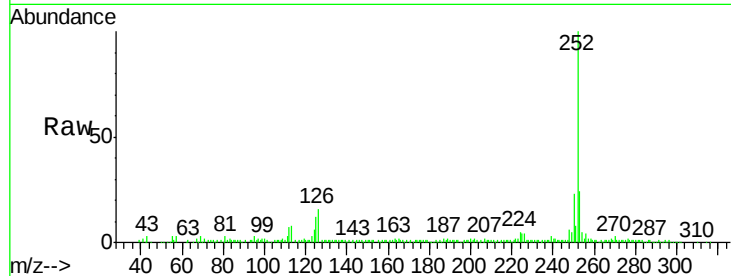
#88
Benzo(k)fluoranthene
Concen: 10.505 ng m
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF105036.D
Acq: 2 May 2018 17:35

Instrument :
BNA_F
ClientSampleId :
CL-02-043018-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.9	26.9
125	12.1	10.2	15.2

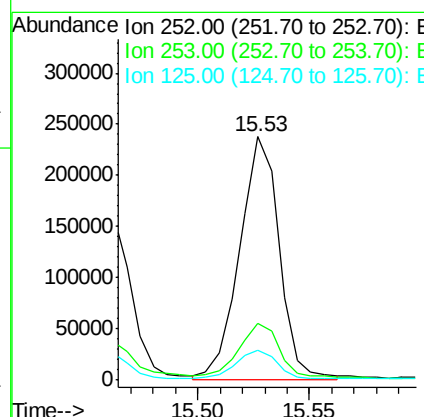
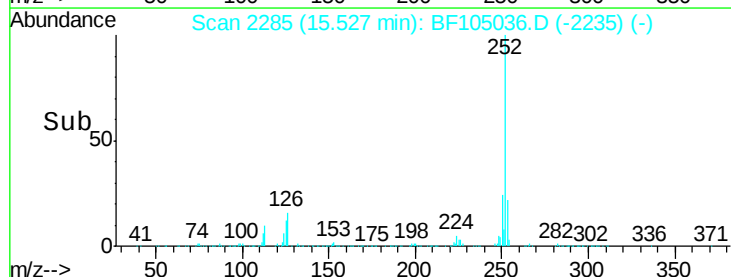
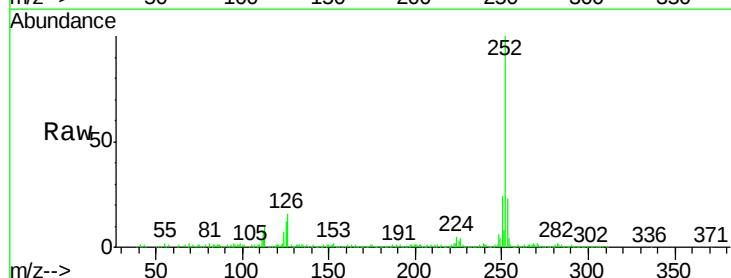
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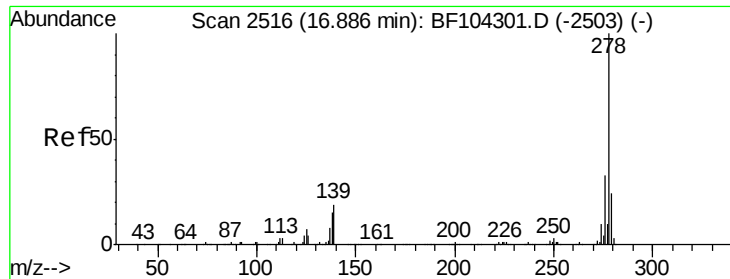
Sohil
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#89
Benzo(a)pyrene
Concen: 31.920 ng m
RT: 15.53 min Scan# 2285
Delta R.T. -0.01 min
Lab File: BF105036.D
Acq: 2 May 2018 17:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	12.5	9.8	14.6





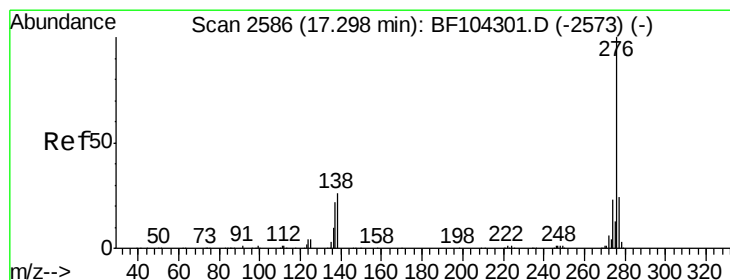
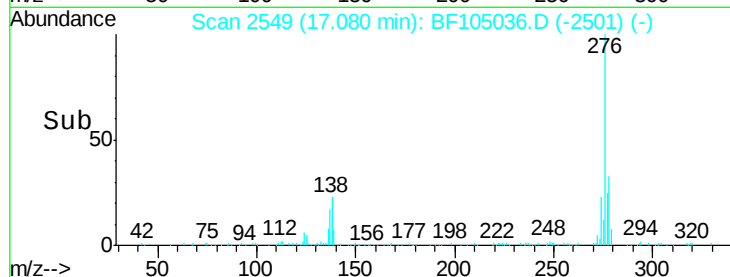
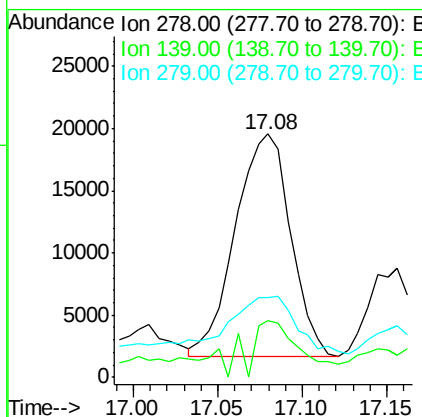
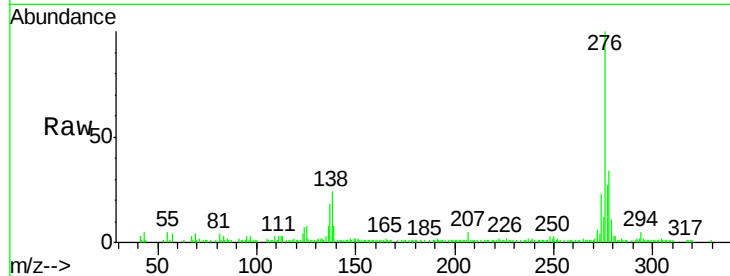
#90
Dibenzo(a,h)anthracene
Concen: 5.371 ng
RT: 17.08 min Scan# 2549
Delta R.T. -0.02 min
Lab File: BF105036.D
Acq: 2 May 2018 17:35

Instrument :
BNA_F
ClientSampleId :
CL-02-043018-B

Tot Ion	Ratio	Lower	Upper
278	100		
139	23.0	15.9	23.9
279	32.9	19.0	28.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 16.659 ng
RT: 17.52 min Scan# 2624
Delta R.T. -0.01 min
Lab File: BF105036.D
Acq: 2 May 2018 17:35

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	17.9	26.9
138	25.1	21.8	32.8

