

Data Path : U:\HPCHEM1\BNA F\DATA\BF012518\
 Data File : BF102461.D
 Acq On : 26 Jan 2018 9:41
 Operator : SJ/JU
 Sample : J1289-15DL 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-52-13.5-14.0DL

Manual Integrations
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Sohil
 1/26/2018 4:04:29 PM

Quant Time: Jan 26 12:32:20 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 25 13:44:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	133264	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	537582	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	218214	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	333765	20.00	ng	0.00
75) Chrysene-d12	13.88	240	260083	20.00	ng	0.00
86) Perylene-d12	15.30	264	224217	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	187026	21.28	ng	0.00
7) Phenol-d6	6.35	99	228595	21.57	ng	-0.02
23) Nitrobenzene-d5	7.28	82	127802	13.66	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	32462	15.01	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	219160	14.77	ng	0.00
78) Terphenyl-d14	12.82	244	163858	14.20	ng	0.00
Target Compounds						
51) Acenaphthene	9.79	154	86095	6.239	ng	98
54) Dibenzofuran	9.96	168	84338	4.516	ng	# 97
57) Fluorene	10.30	166	172673	11.668	ng	100
70) Phenanthrene	11.26	178	767011	39.437	ng	99
71) Anthracene	11.32	178	174671	8.799	ng	98
74) Fluoranthene	12.45	202	637790	32.157	ng	98
77) Pyrene	12.68	202	554189	27.560	ng	100
79) Butylbenzylphthalate	13.29	149	42027	4.200	ng	98
80) Benzo(a)anthracene	13.87	228	204211	12.753	ng	98
82) Chrysene	13.90	228	197463	12.144	ng	97
83) Bis(2-ethylhexyl)phthalate	13.85	149	72610	5.399	ng	99
85) Indeno(1,2,3-cd)pyrene	16.70	276	51154	3.809	ng	96
87) Benzo(b)fluoranthene	14.90	252	167834m	11.549	ng	
88) Benzo(k)fluoranthene	14.92	252	46992m	3.423	ng	
89) Benzo(a)pyrene	15.24	252	120131	9.166	ng	# 95
91) Benzo(g,h,i)perylene	17.12	276	47868	4.566	ng	# 86

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

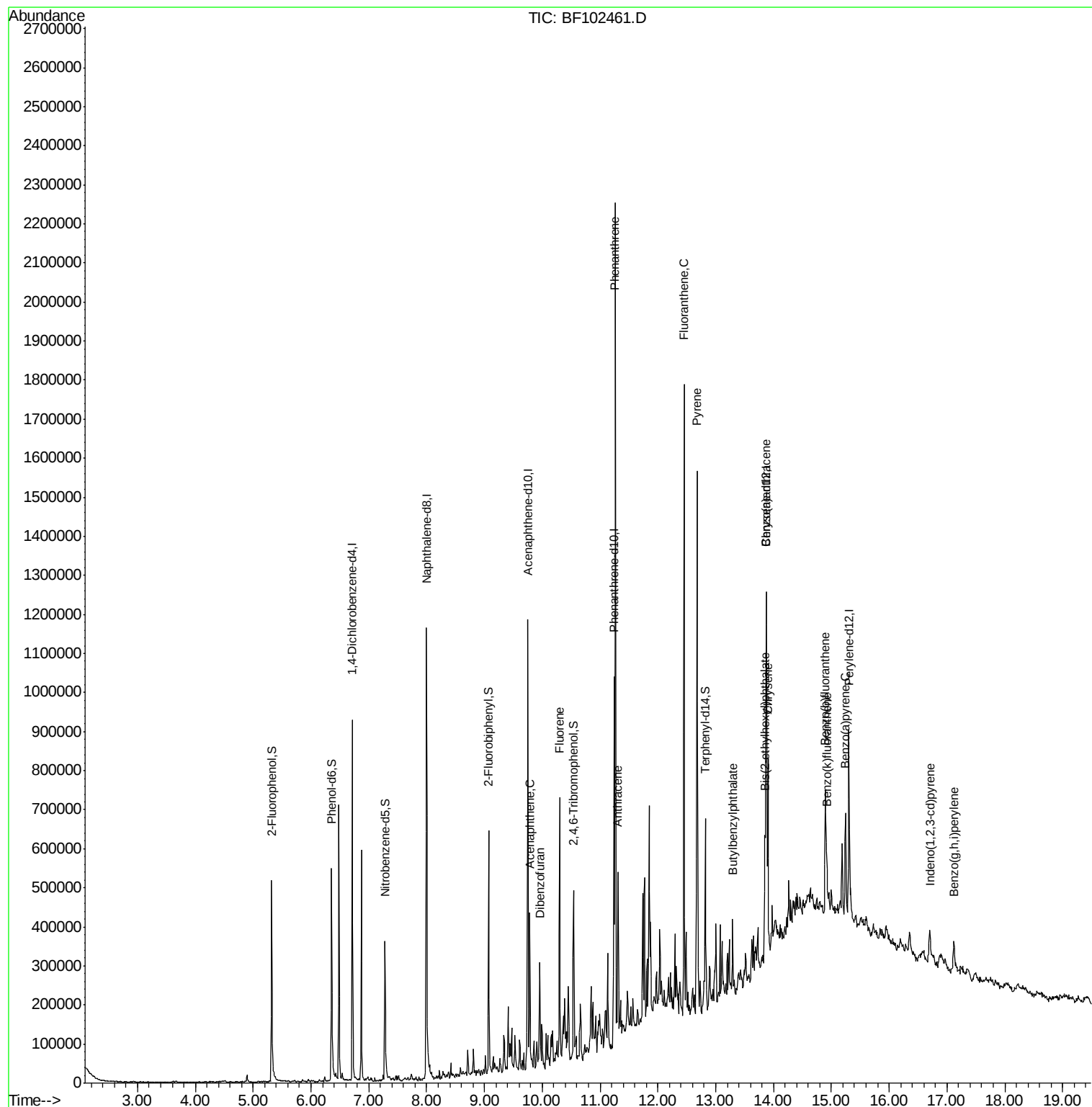
Data Path : U:\HPCHEM1\BNA F\DATA\BF012518\
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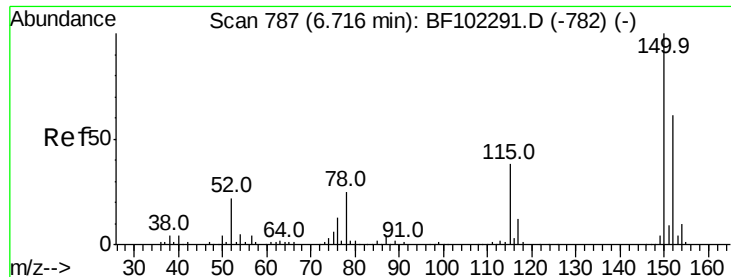
Instrument :
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#1

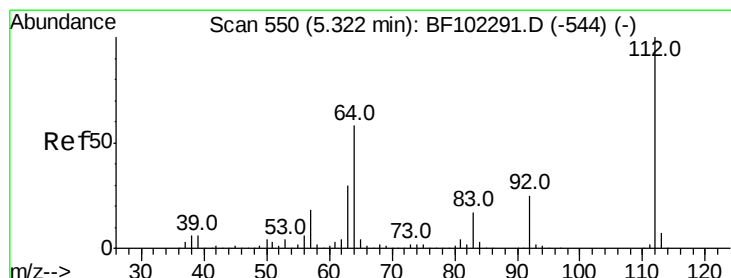
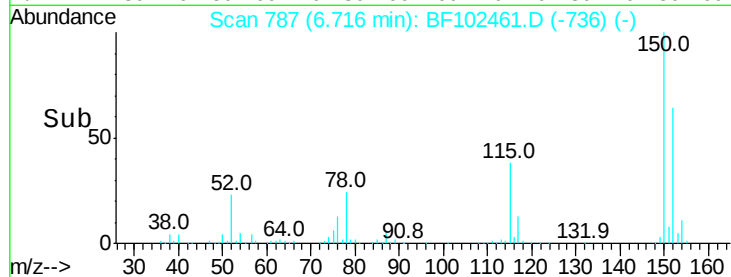
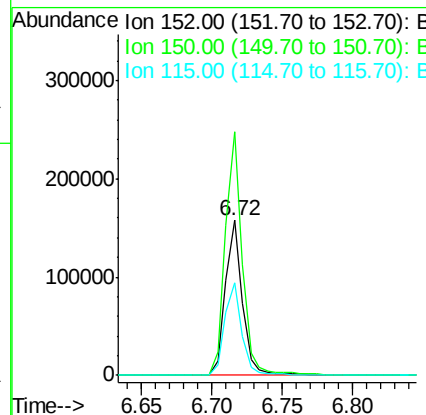
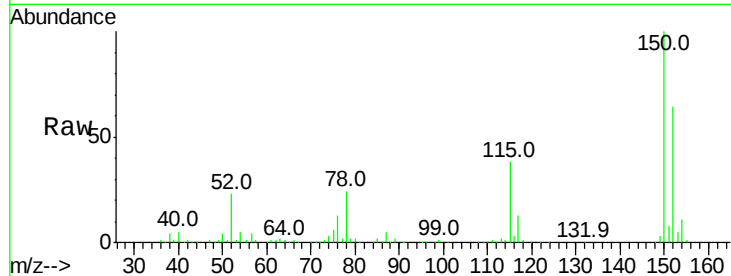
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF102461.D
Acq: 26 Jan 2018 9:41

Instrument :
BNA_F
ClientSampleId :
SB-52-13.5-14.0DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.6	186.8
115	59.5	50.1	75.1

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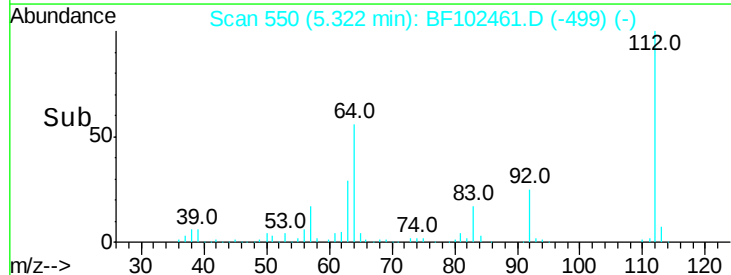
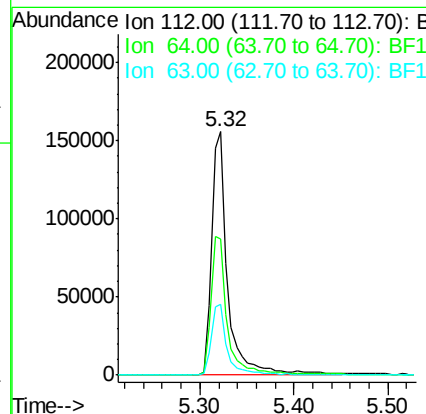
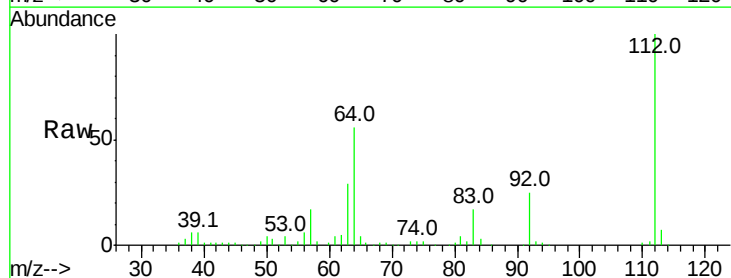
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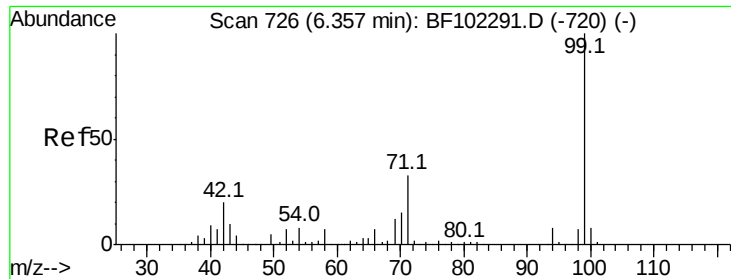


#5

2-Fluorophenol
Concen: 21.280 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.00 min
Lab File: BF102461.D
Acq: 26 Jan 2018 9:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	47.9	71.9
63	29.2	23.7	35.5





#7

Phenol-d6

Concen: 21.574 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF102461.D

Acq: 26 Jan 2018 9:41

Instrument :

BNA_F

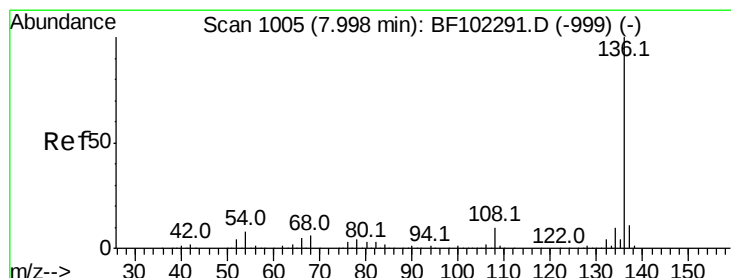
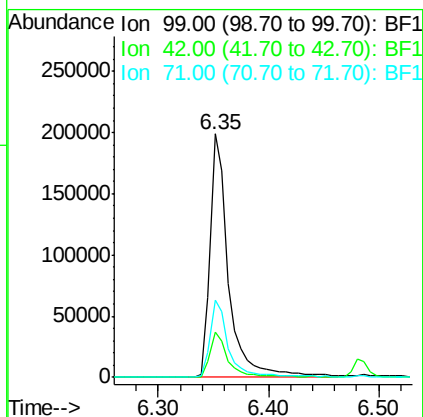
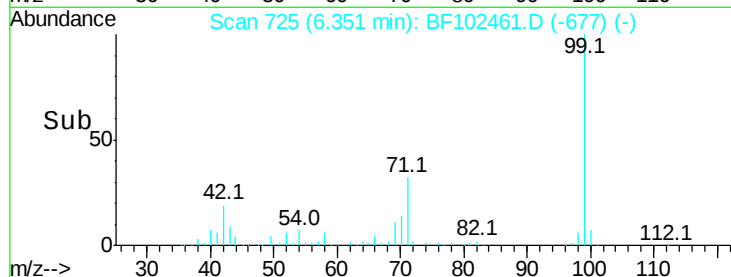
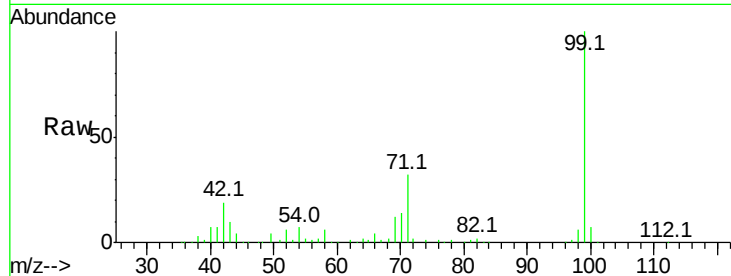
ClientSampled :

SB-52-13.5-14.0DL

Tot Ion:	99	Resp:	228595
Ion Ratio	Lower	Upper	
99	100		
42	18.7	14.5	21.7
71	31.9	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

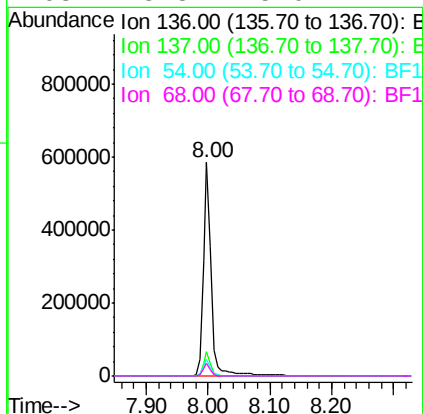
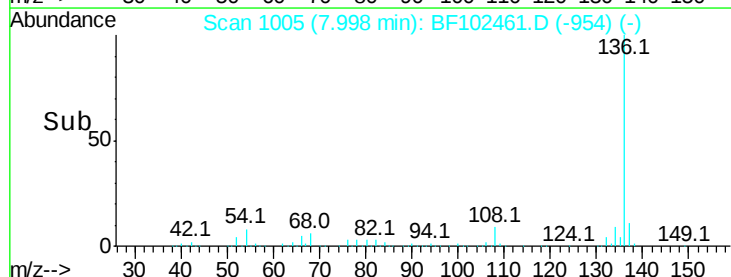
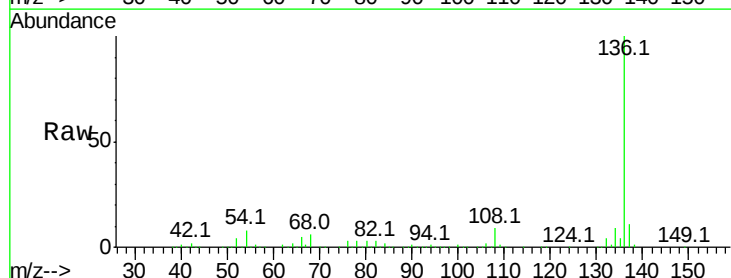
RT: 8.00 min Scan# 1005

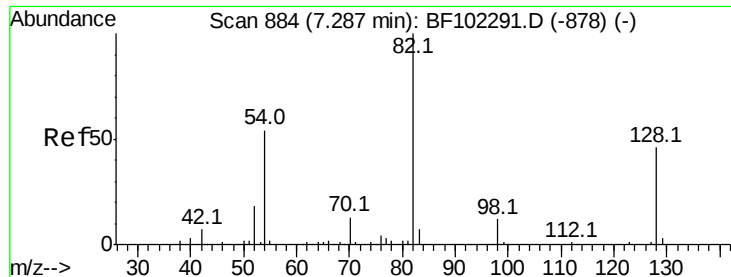
Delta R.T. 0.00 min

Lab File: BF102461.D

Acq: 26 Jan 2018 9:41

Tgt Ion:	136	Resp:	537582
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	8.0	6.6	9.8
68	5.8	5.0	7.4





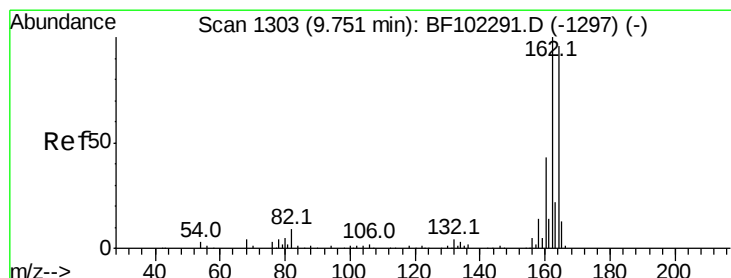
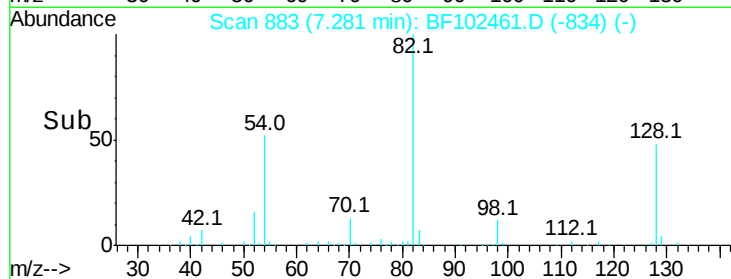
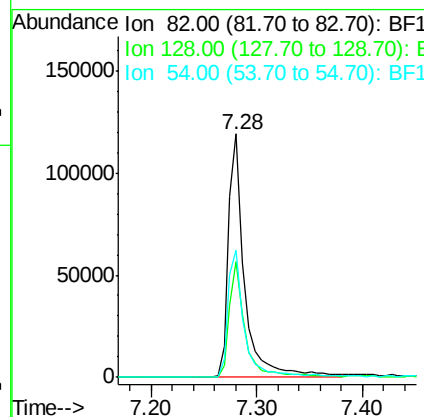
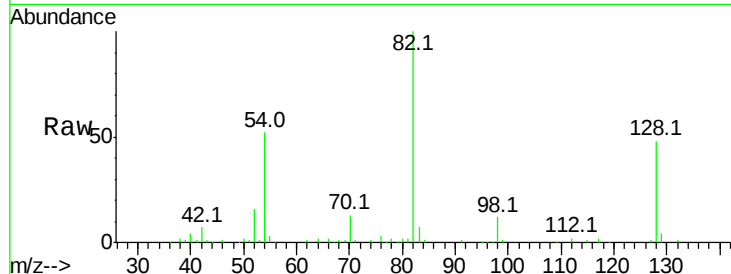
#23
 Nitrobenzene-d5
 Concen: 13.662 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BF102461.D
 Acq: 26 Jan 2018 9:41

Instrument :
 BNA_F
 ClientSampleId :
 SB-52-13.5-14.0DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.7	36.1	54.1
54	52.4	41.4	62.2

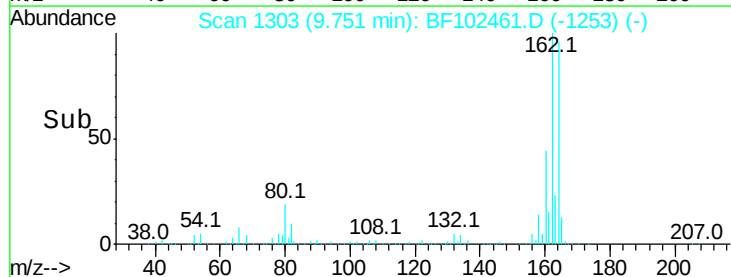
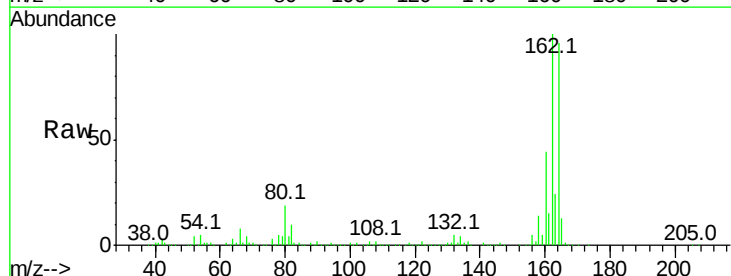
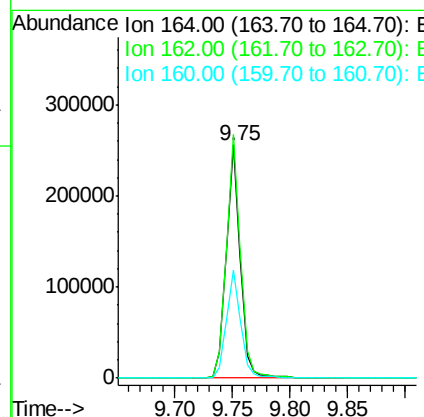
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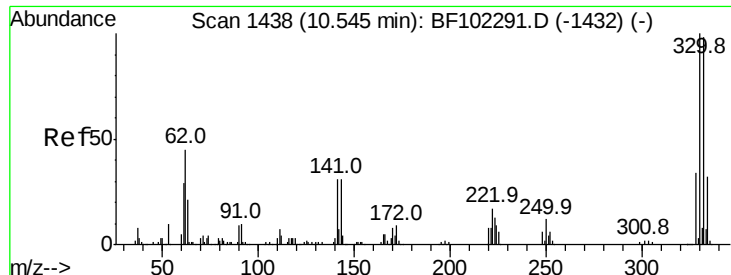
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: BF102461.D
 Acq: 26 Jan 2018 9:41

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.4	86.1	129.1
160	46.0	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 15.014 ng

RT: 10.55 min Scan# 1438

Delta R.T. 0.00 min

Lab File: BF102461.D

Acq: 26 Jan 2018 9:41

Instrument :

BNA_F

ClientSampleId :

SB-52-13.5-14.0DL

Tot Ion:330 Resp: 32462

Ion Ratio Lower Upper

330 100

332 96.6 77.0 115.6

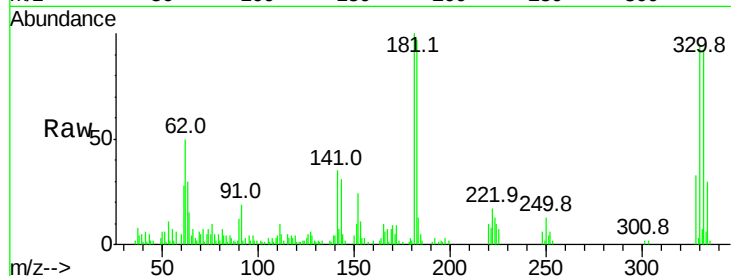
141 46.0 29.9 44.9#

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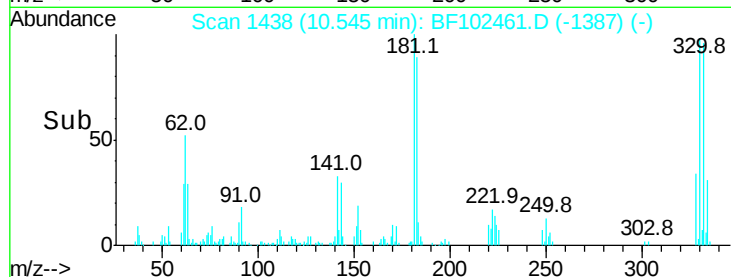


Abundance Ion 329.80 (329.50 to 330.50): E

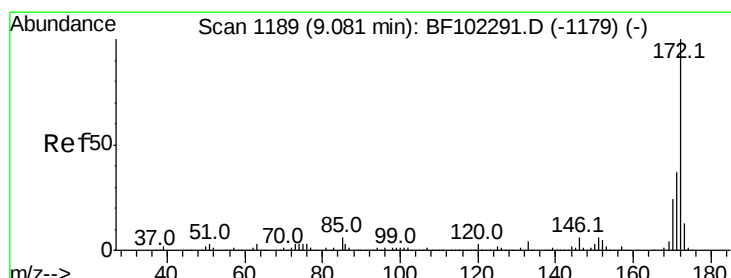
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

Time-->



Time-->



#44

2-Fluorobiphenyl

Concen: 14.767 ng

RT: 9.07 min Scan# 1188

Delta R.T. -0.01 min

Lab File: BF102461.D

Acq: 26 Jan 2018 9:41

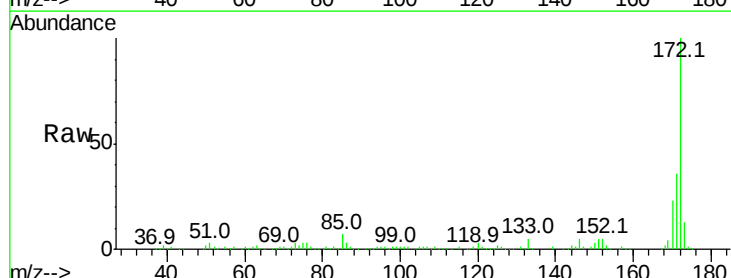
Tgt Ion:172 Resp: 219160

Ion Ratio Lower Upper

172 100

171 35.5 29.7 44.5

170 23.1 19.6 29.4

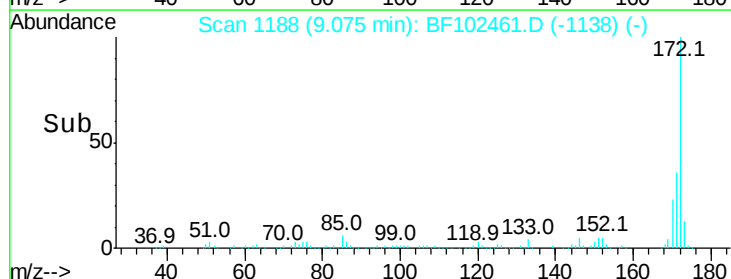


Abundance Ion 172.00 (171.70 to 172.70): E

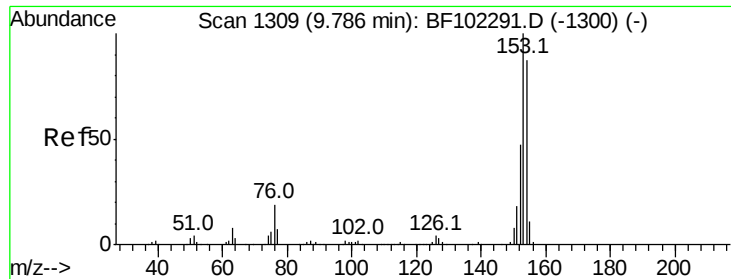
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

Time-->



Time-->



#51

Acenaphthene

Concen: 6.239 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF102461.D

Acq: 26 Jan 2018 9:41

Instrument :

BNA_F

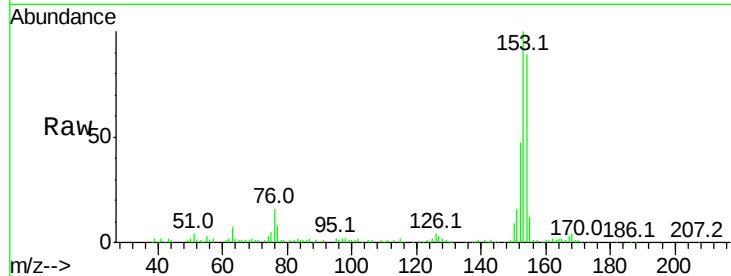
ClientSampleId :

SB-52-13.5-14.0DL

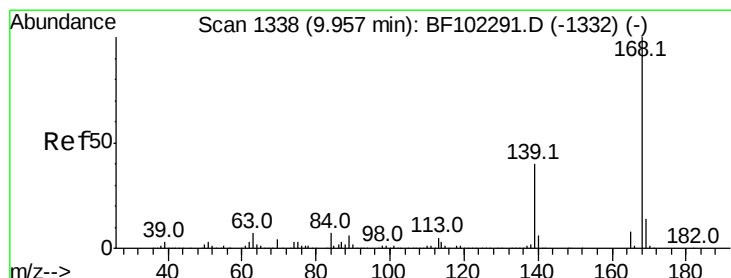
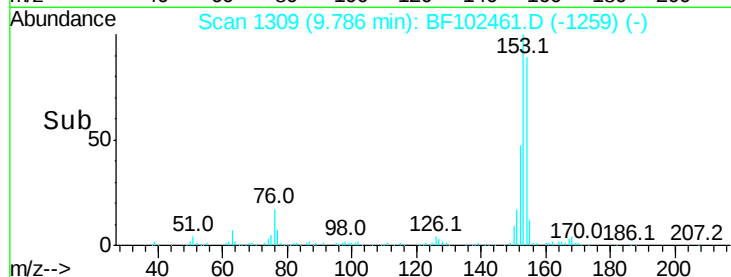
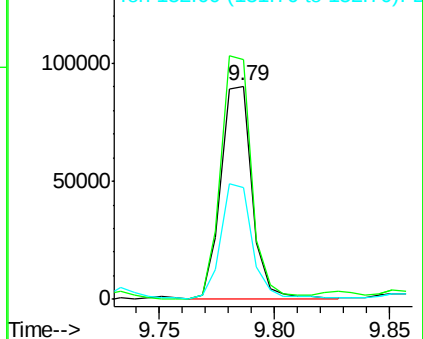
Tot Ion:	154	Resp:	86095
Ion Ratio	Lower	Upper	
154	100		
153	112.5	91.2	136.8
152	52.7	43.8	65.8

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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: 4.516 ng

RT: 9.96 min Scan# 1338

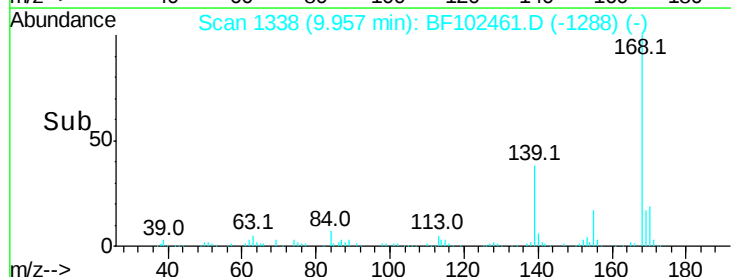
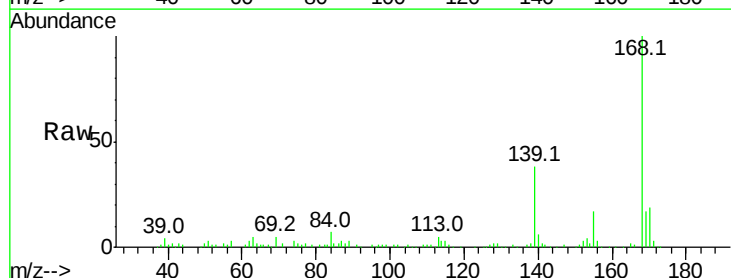
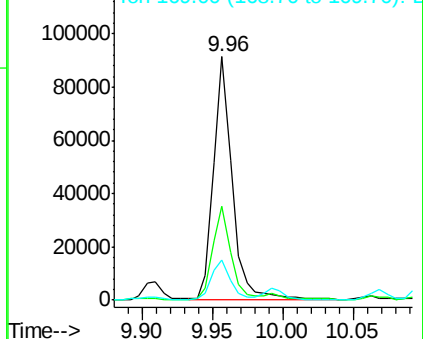
Delta R.T. -0.01 min

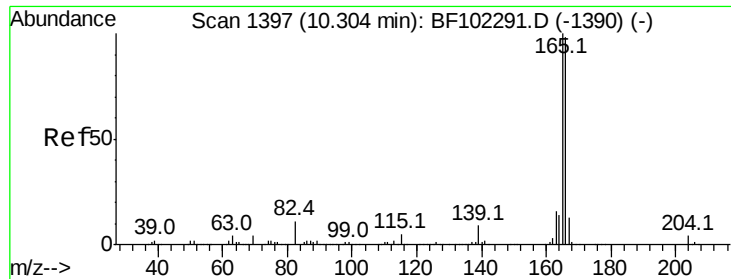
Lab File: BF102461.D

Acq: 26 Jan 2018 9:41

Tgt Ion:	168	Resp:	84338
Ion Ratio	Lower	Upper	
168	100		
139	38.4	30.1	45.1
169	16.6	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: 11.668 ng

RT: 10.30 min Scan# 1396

Delta R.T. -0.01 min

Lab File: BF102461.D

Acq: 26 Jan 2018 9:41

Instrument :

BNA_F

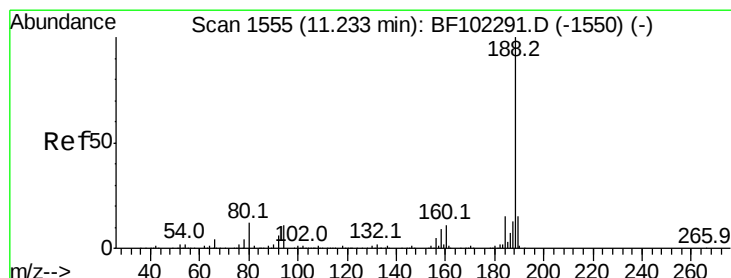
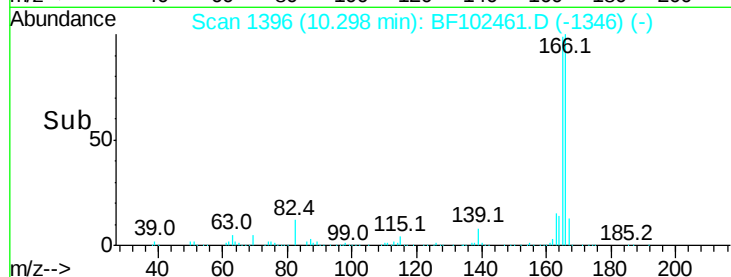
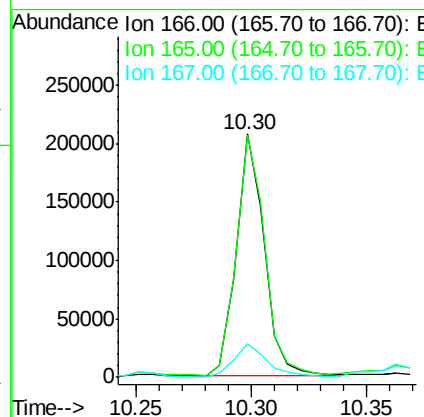
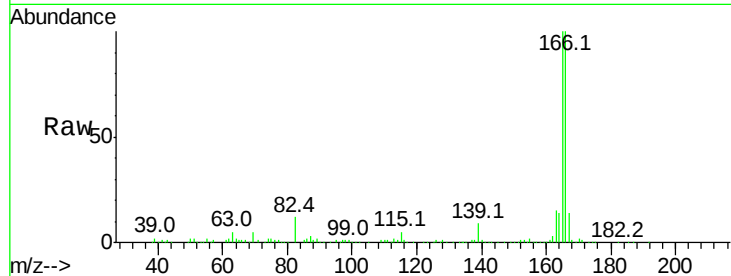
ClientSampleId :

SB-52-13.5-14.0DL

Tot Ion:	166	Resp:	172673
Ion Ratio	Lower	Upper	
166	100		
165	99.6	79.8	119.8
167	13.7	10.6	16.0

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.000 ng

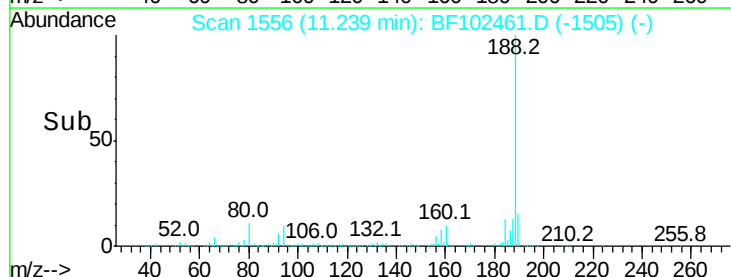
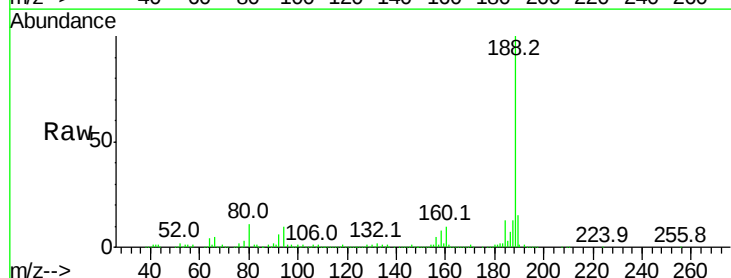
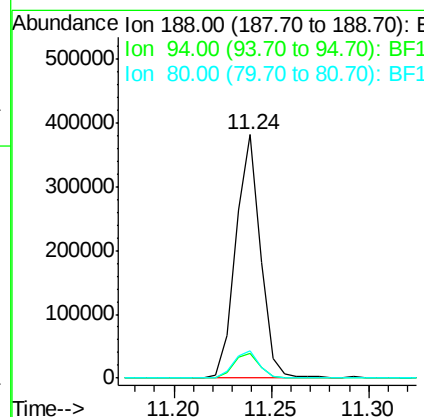
RT: 11.24 min Scan# 1556

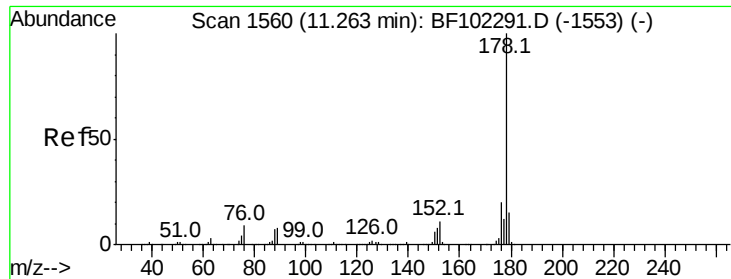
Delta R.T. 0.00 min

Lab File: BF102461.D

Acq: 26 Jan 2018 9:41

Tgt Ion:	188	Resp:	333765
Ion Ratio	Lower	Upper	
188	100		
94	10.2	8.5	12.7
80	11.3	9.2	13.8





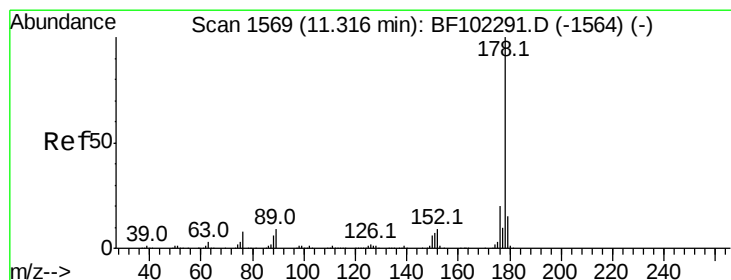
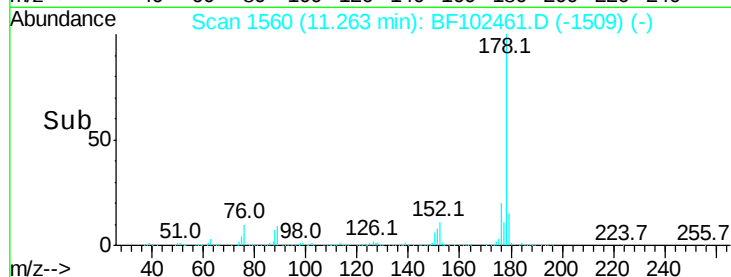
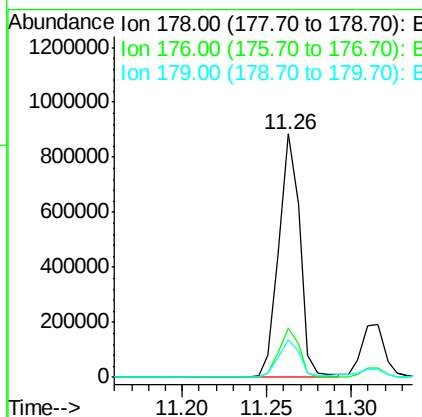
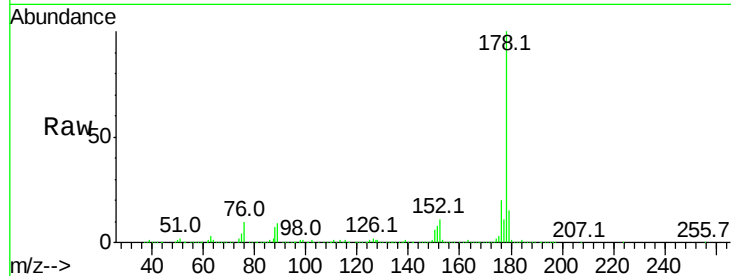
#70
Phenanthrene
Concen: 39.437 ng
RT: 11.26 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BF102461.D
Acq: 26 Jan 2018 9:41

Instrument :
BNA_F
ClientSampleId :
SB-52-13.5-14.0DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.8	23.8
179	15.5	13.0	19.6

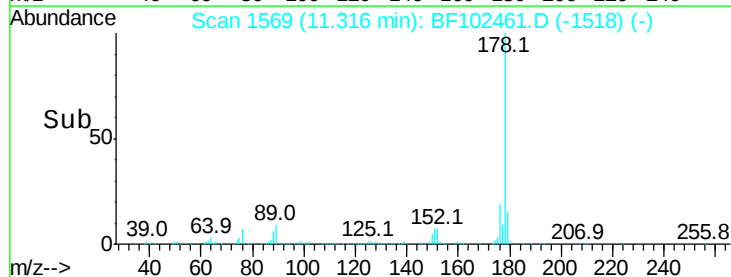
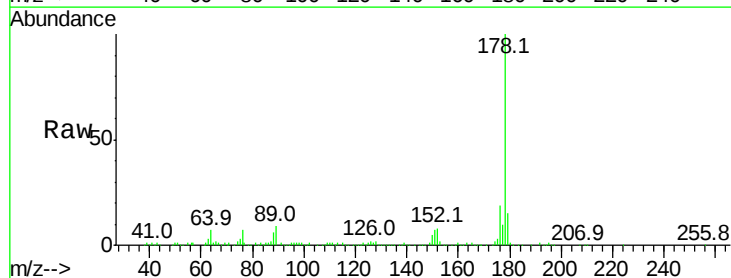
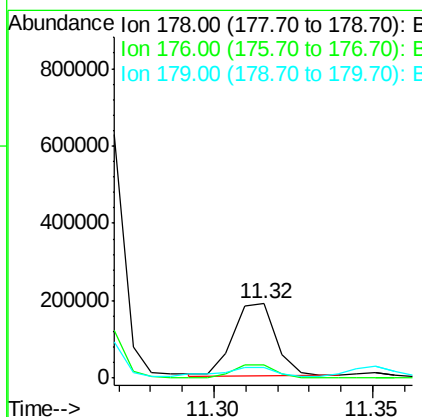
Manual Integrations
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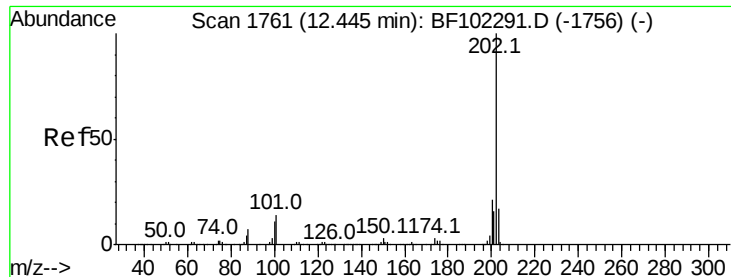
Sohil
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#71
Anthracene
Concen: 8.799 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.00 min
Lab File: BF102461.D
Acq: 26 Jan 2018 9:41

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	14.9	12.6	19.0





#74

Fluoranthene

Concen: 32.157 ng

RT: 12.45 min Scan# 1762

Delta R.T. 0.00 min

Lab File: BF102461.D

Acq: 26 Jan 2018 9:41

Instrument :

BNA_F

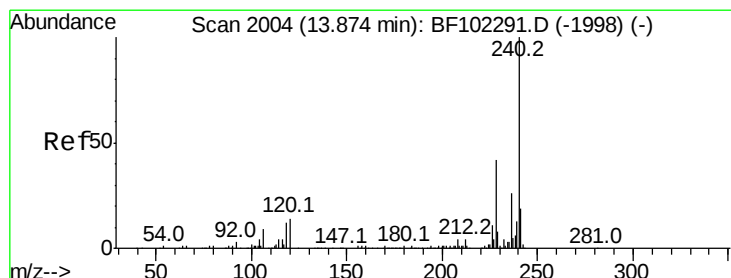
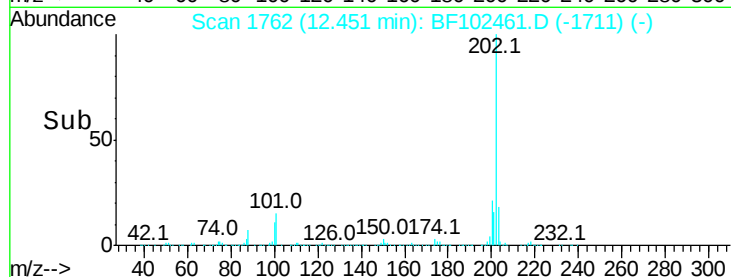
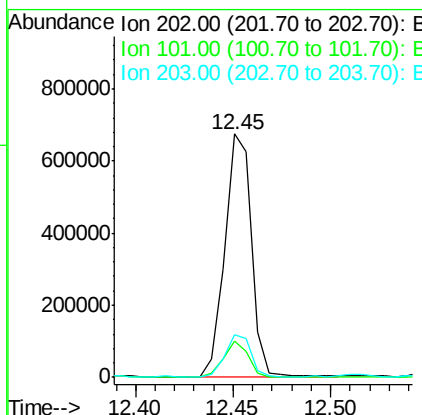
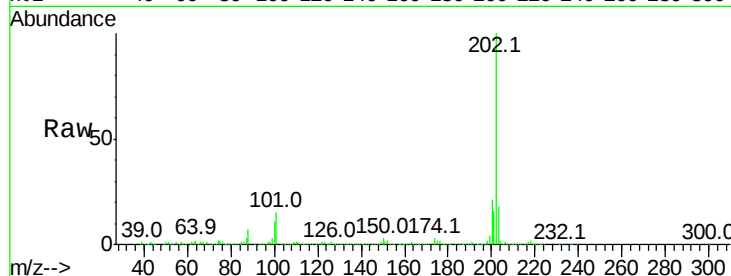
ClientSampleId :

SB-52-13.5-14.0DL

Tot Ion:	202	Resp:	637790
Ion Ratio		Lower	Upper
202	100		
101	15.1	0.0	34.1
203	17.6	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

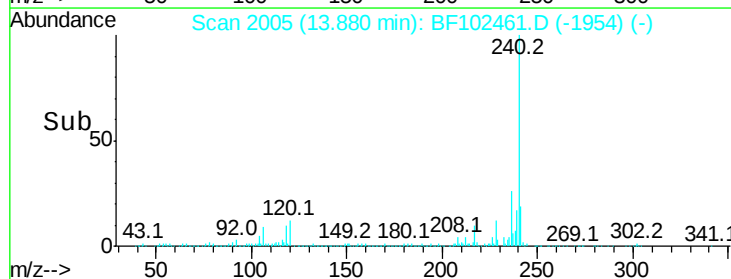
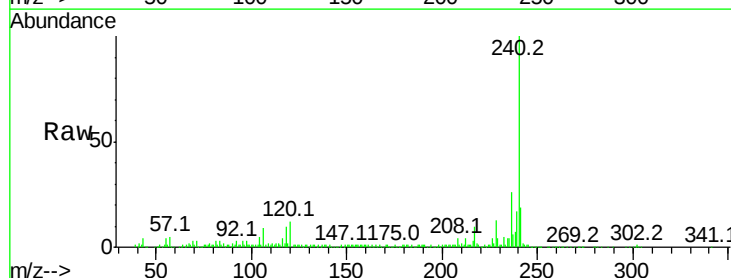
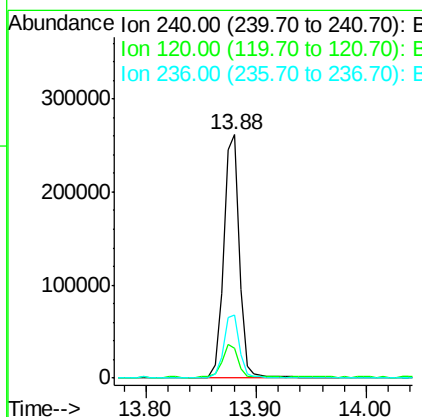
RT: 13.88 min Scan# 2005

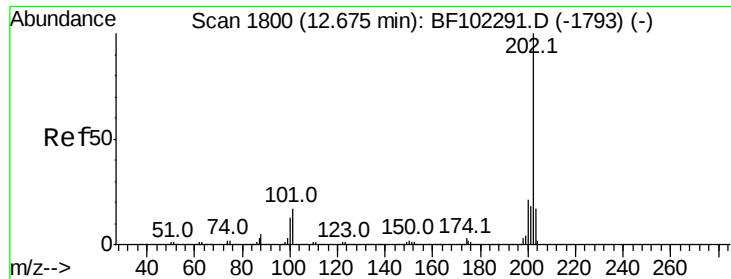
Delta R.T. 0.00 min

Lab File: BF102461.D

Acq: 26 Jan 2018 9:41

Tgt Ion:	240	Resp:	260083
Ion Ratio		Lower	Upper
240	100		
120	12.5	9.5	14.3
236	25.8	20.7	31.1





#77

Pvrene

Concen: 27.560 ng

RT: 12.68 min Scan# 1801

Delta R.T. 0.00 min

Lab File: BF102461.D

Acq: 26 Jan 2018 9:41

Instrument :

BNA_F

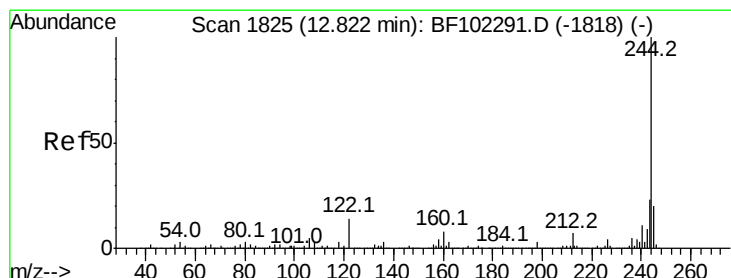
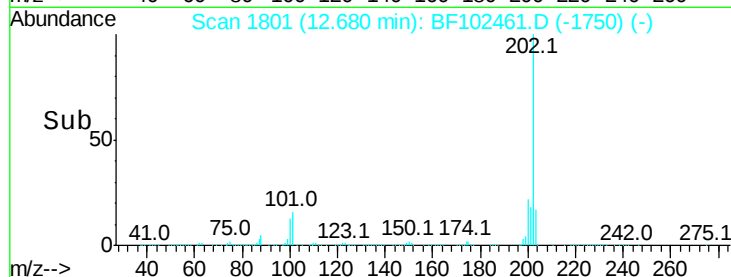
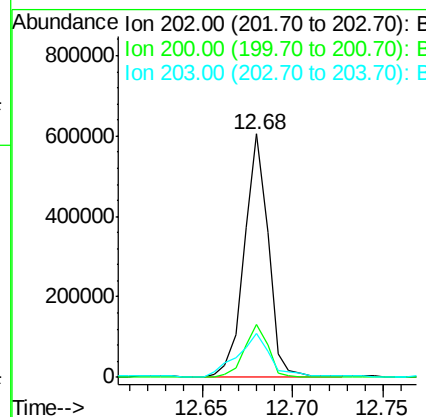
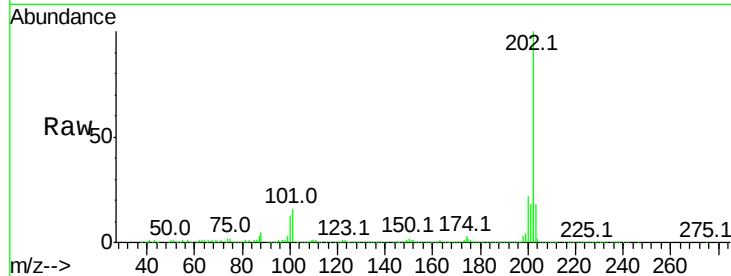
ClientSampleId :

SB-52-13.5-14.0DL

Tot Ion:	202	Resp:	554189
Ion Ratio	Lower	Upper	
202	100		
200	21.8	17.4	26.2
203	17.9	14.3	21.5

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#78

Terphenyl-d14

Concen: 14.203 ng

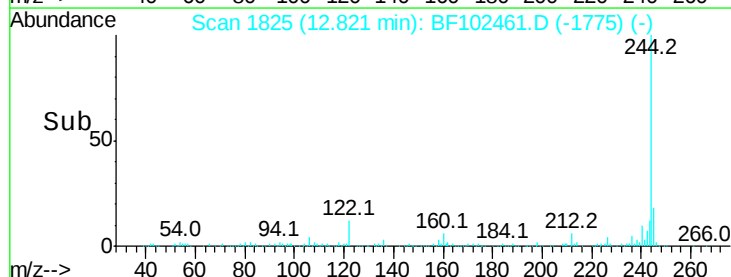
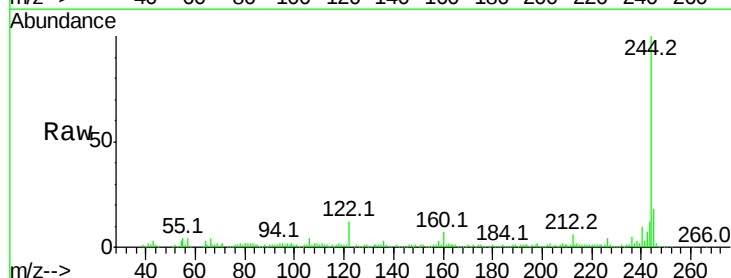
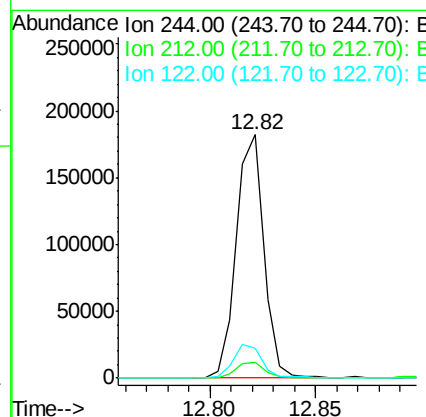
RT: 12.82 min Scan# 1825

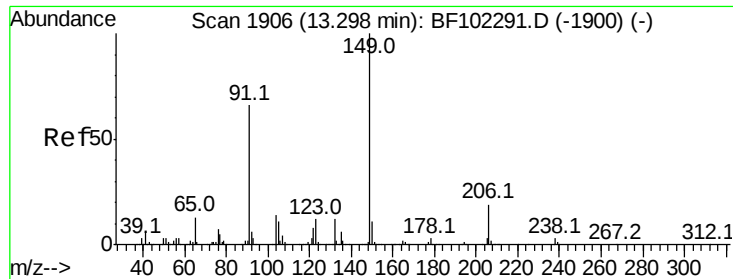
Delta R.T. -0.01 min

Lab File: BF102461.D

Acq: 26 Jan 2018 9:41

Tgt Ion:	244	Resp:	163858
Ion Ratio	Lower	Upper	
244	100		
212	6.4	5.4	8.0
122	12.1	11.0	16.4





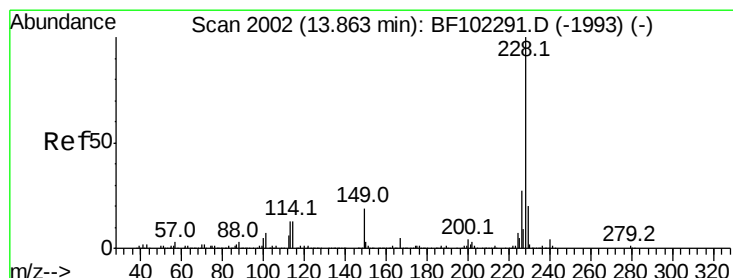
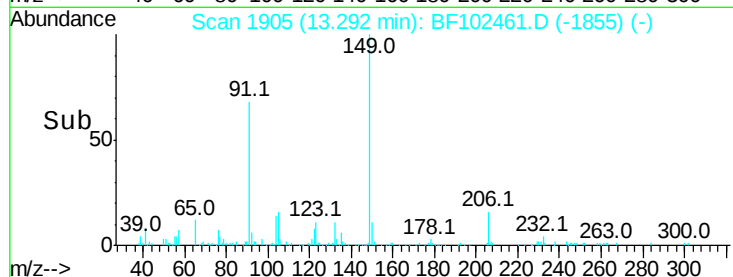
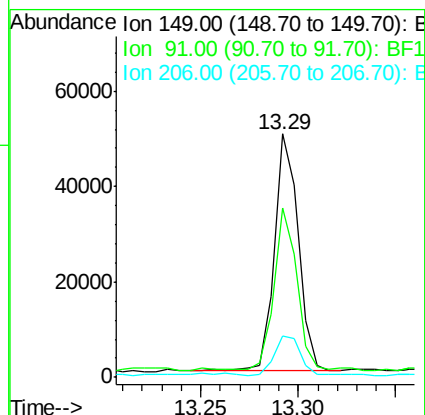
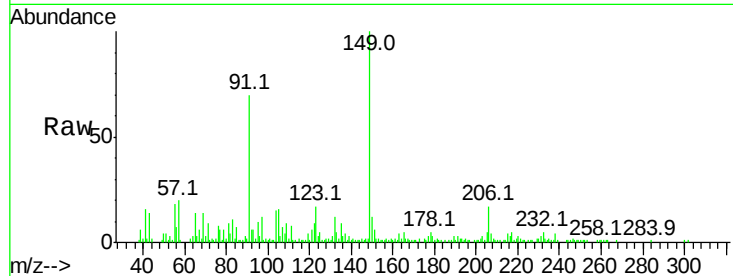
#79
Butylbenzylphthalate
Concen: 4.200 ng
RT: 13.29 min Scan# 1905
Delta R.T. -0.01 min
Lab File: BF102461.D
Acq: 26 Jan 2018 9:41

Instrument :
BNA_F
ClientSampleId :
SB-52-13.5-14.0DL

Tot Ion	Ratio	Lower	Upper
149	100		
91	69.7	56.8	85.2
206	16.9	14.1	21.1

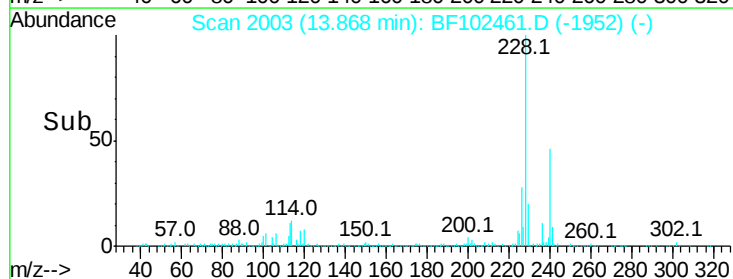
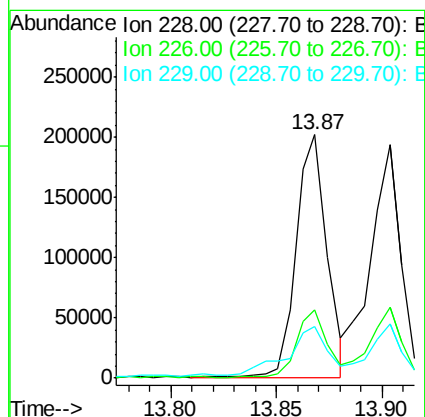
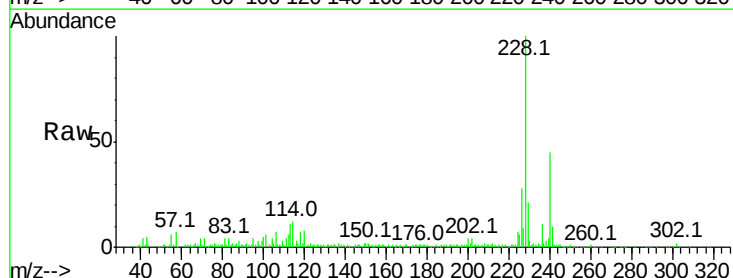
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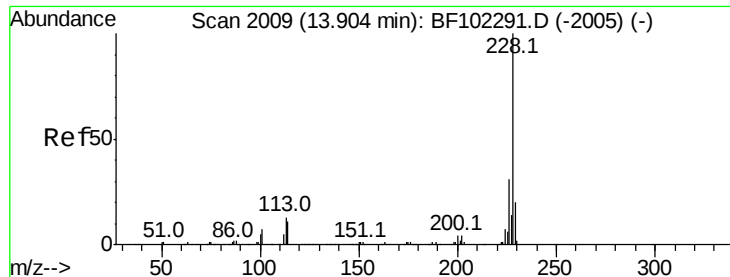
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#80
Benzo(a)anthracene
Concen: 12.753 ng
RT: 13.87 min Scan# 2003
Delta R.T. 0.00 min
Lab File: BF102461.D
Acq: 26 Jan 2018 9:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.6	33.8
229	21.4	15.8	23.6





#82

Chrysene

Concen: 12.144 ng

RT: 13.90 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF102461.D

Acq: 26 Jan 2018 9:41

Instrument :

BNA_F

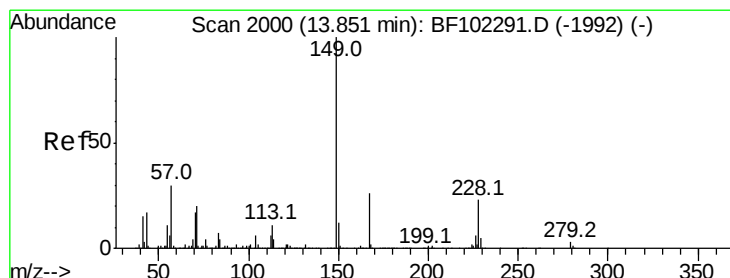
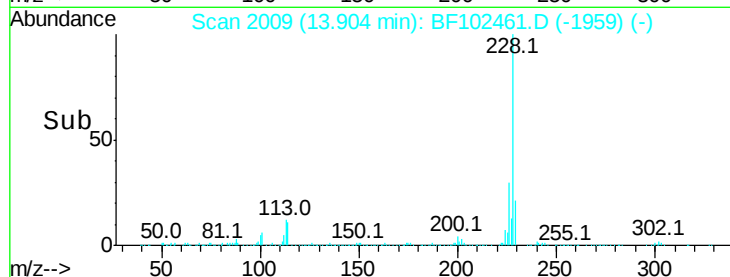
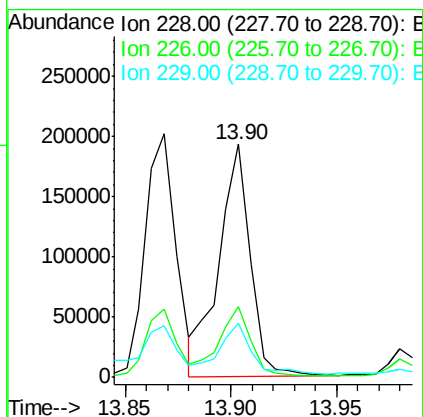
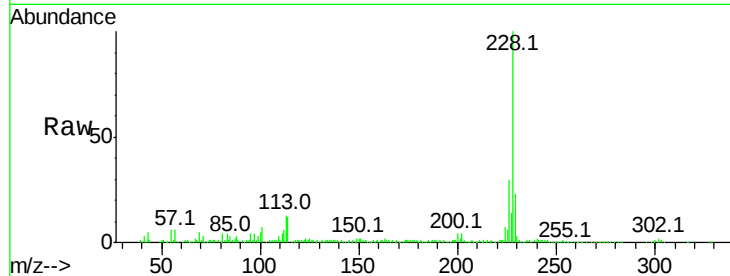
ClientSampleID :

SB-52-13.5-14.0DL

Tot Ion:	228	Resp:	197463
Ion Ratio	Lower	Upper	
228	100		
226	30.4	25.0	37.6
229	23.0	16.2	24.4

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#83

Bis(2-ethylhexyl)phthalate

Concen: 5.399 ng

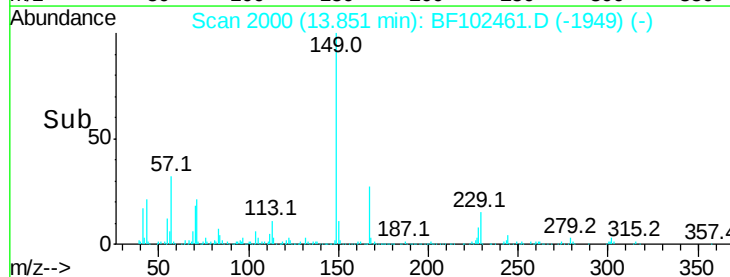
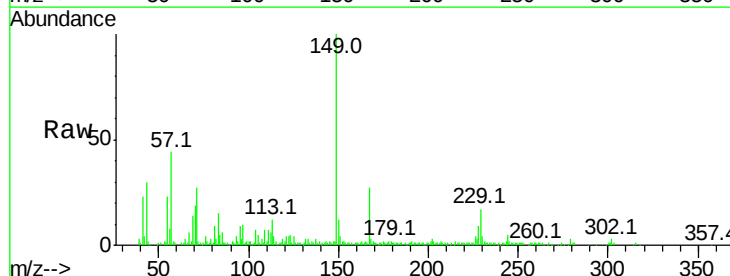
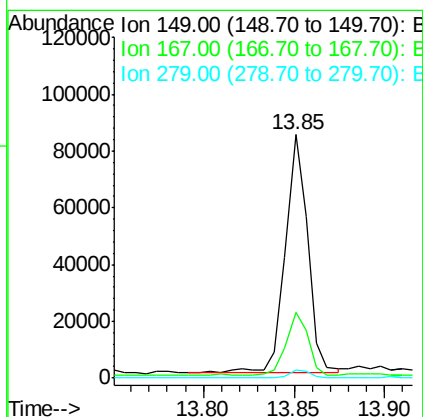
RT: 13.85 min Scan# 2000

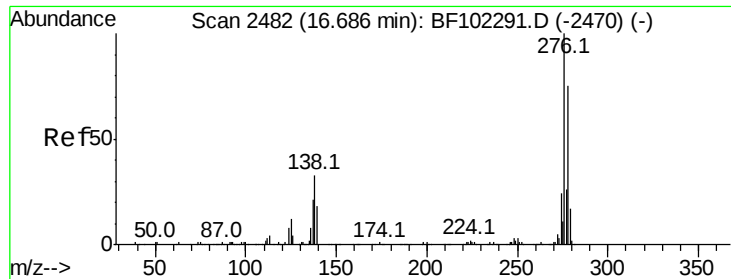
Delta R.T. 0.00 min

Lab File: BF102461.D

Acq: 26 Jan 2018 9:41

Tgt Ion:	149	Resp:	72610
Ion Ratio	Lower	Upper	
149	100		
167	27.1	21.3	31.9
279	3.3	3.0	4.4





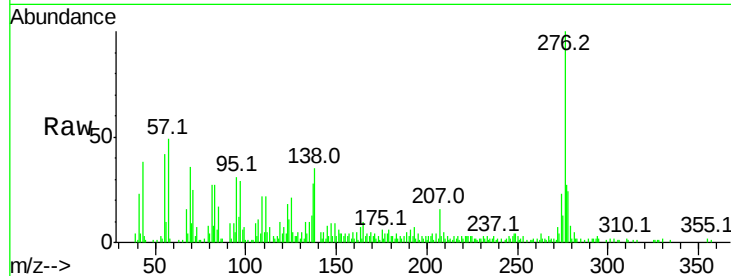
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.809 ng
RT: 16.70 min Scan# 2484
Delta R.T. 0.00 min
Lab File: BF102461.D
Acq: 26 Jan 2018 9:41

Instrument :
BNA_F
ClientSampleID :
SB-52-13.5-14.0DL

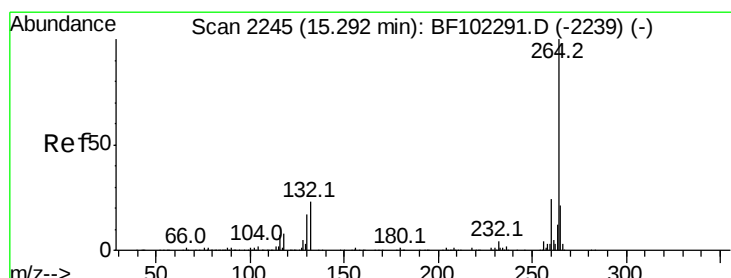
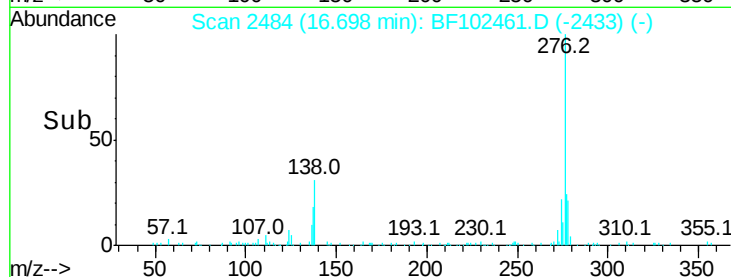
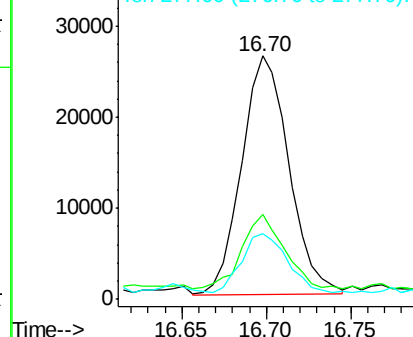
Tot Ion	Ratio	Lower	Upper
276	100		
138	28.1	25.0	37.6
277	23.9	20.1	30.1

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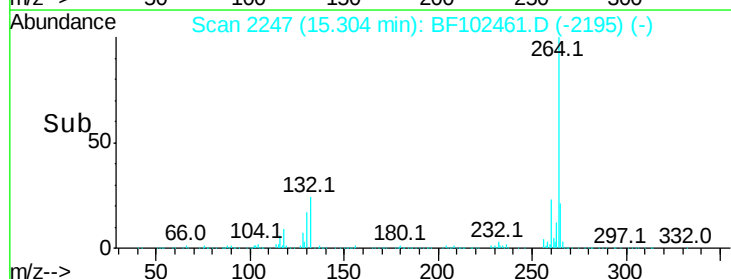
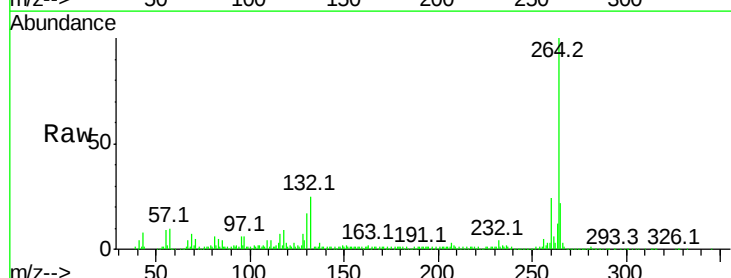
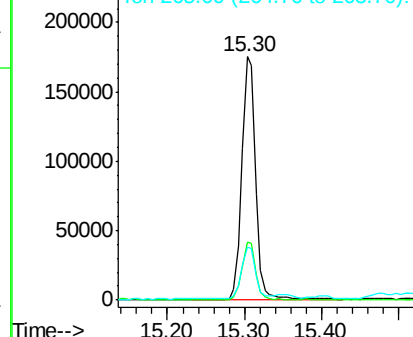
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

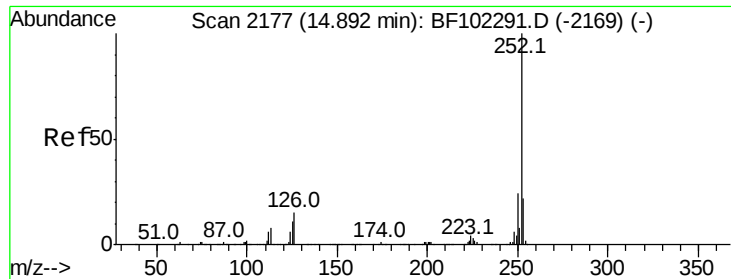


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2247
Delta R.T. 0.01 min
Lab File: BF102461.D
Acq: 26 Jan 2018 9:41

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.6	17.5	26.3

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





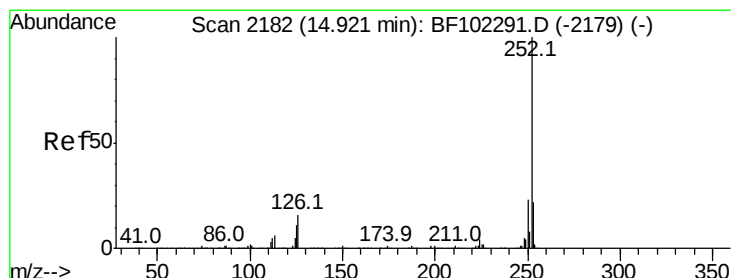
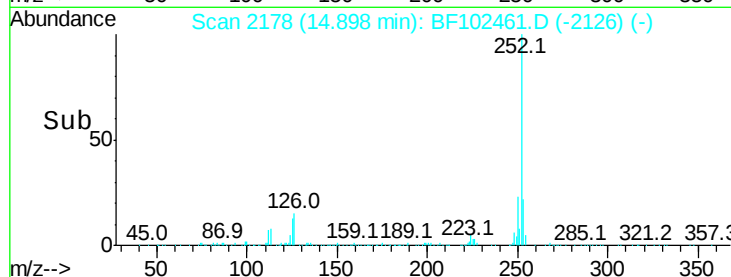
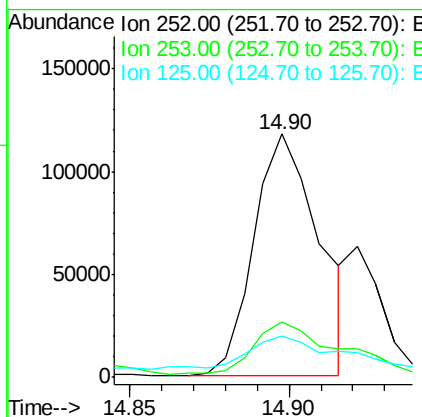
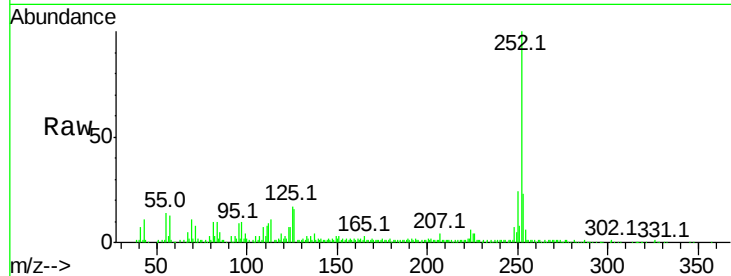
#87
Benzo(b)fluoranthene
Concen: 11.549 ng m
RT: 14.90 min Scan# 2178
Delta R.T. 0.01 min
Lab File: BF102461.D
Acq: 26 Jan 2018 9:41

Instrument :
BNA_F
ClientSampleId :
SB-52-13.5-14.0DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	17.0	9.0	13.6

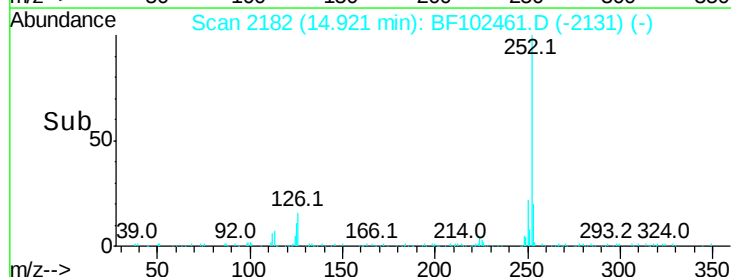
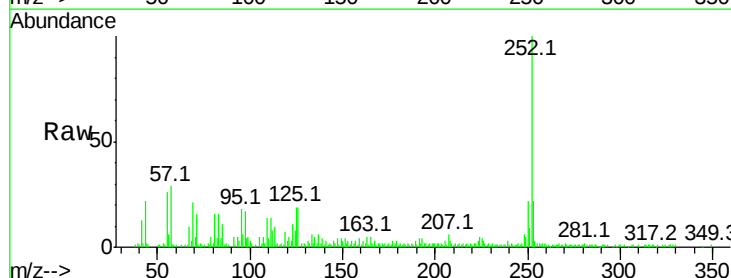
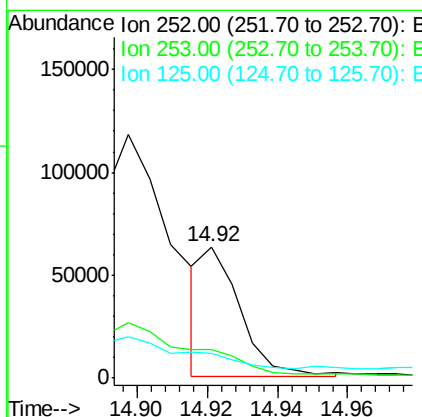
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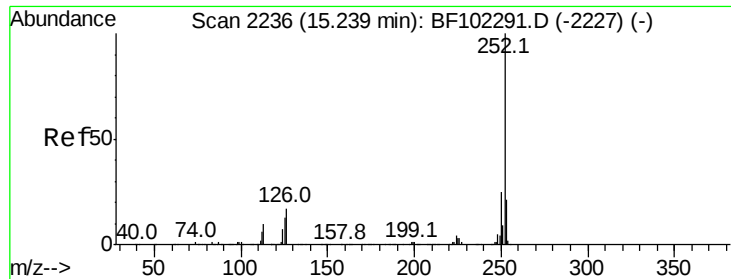
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#88
Benzo(k)fluoranthene
Concen: 3.423 ng m
RT: 14.92 min Scan# 2182
Delta R.T. 0.00 min
Lab File: BF102461.D
Acq: 26 Jan 2018 9:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.9	26.9
125	19.0	10.2	15.2





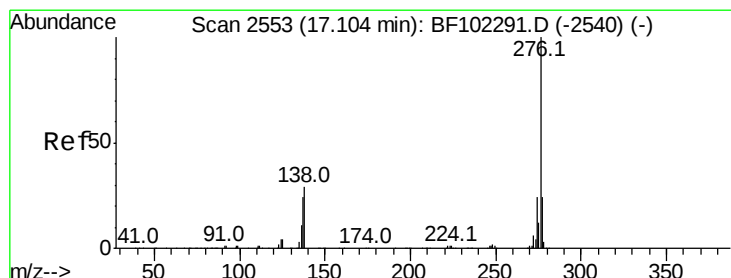
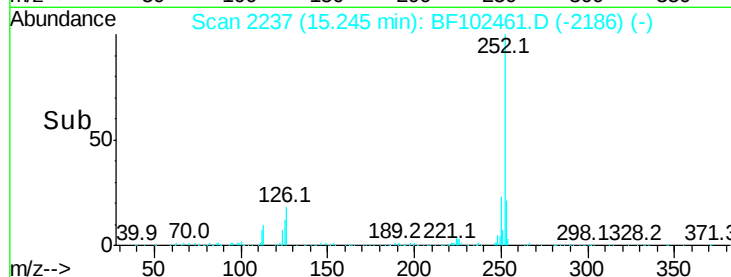
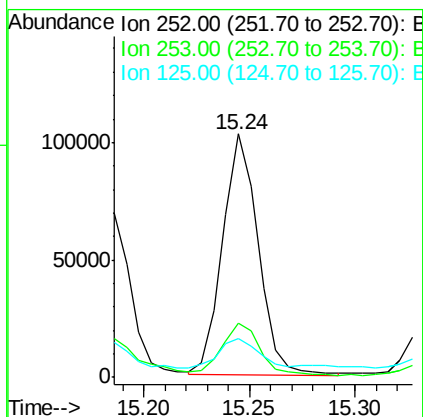
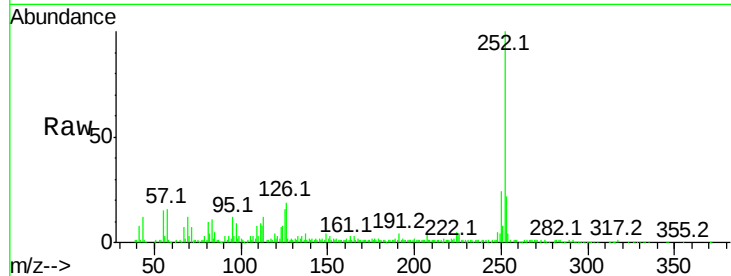
#89
Benzo(a)pyrene
Concen: 9.166 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.00 min
Lab File: BF102461.D
Acq: 26 Jan 2018 9:41

Instrument :
BNA_F
ClientSampleId :
SB-52-13.5-14.0DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	16.0	9.8	14.6

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#91
Benzo(g,h,i)perylene
Concen: 4.566 ng
RT: 17.12 min Scan# 2556
Delta R.T. 0.01 min
Lab File: BF102461.D
Acq: 26 Jan 2018 9:41

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.3	17.9	26.9
138	34.9	21.8	32.8

