

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070218\
 Data File : BF107034.D
 Acq On : 2 Jul 2018 10:34
 Operator : JU/SJ
 Sample : J3749-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ZER-SB-01-03-04-0-11

Manual Integrations
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Quant Time: Jul 02 11:40:25 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 29 14:38:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	70762	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	288086	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	149236	20.00	ng	-0.01
63) Phenanthrene-d10	11.49	188	272789	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	222764	20.00	ng	-0.01
86) Perylene-d12	15.70	264	238726	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	301546	72.16	ng	0.00
7) Phenol-d6	6.60	99	387995	74.35	ng	-0.01
23) Nitrobenzene-d5	7.52	82	238164	45.94	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	125511	72.56	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	470953	46.78	ng	-0.02
78) Terphenyl-d14	13.08	244	469185	51.02	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.70	163	103570	9.253	ng	Qvalue # 97
51) Acenaphthene	10.03	154	32506	3.492	ng	97
54) Dibenzofuran	10.20	168	28448	2.232	ng	96
57) Fluorene	10.54	166	38062	3.764	ng	99
70) Phenanthrene	11.52	178	639511	48.606	ng	99
71) Anthracene	11.57	178	196005	14.595	ng	99
72) Carbazole	11.72	167	31359	2.494	ng	98
74) Fluoranthene	12.72	202	988685	68.177	ng	96
77) Pyrene	12.95	202	921192	62.710	ng	99
80) Benzo(a)anthracene	14.14	228	549434	40.468	ng	98
82) Chrysene	14.18	228	437234	35.005	ng	98
83) Bis(2-ethylhexyl)phthalate	14.09	149	18811	2.436	ng	# 90
85) Indeno(1,2,3-cd)pyrene	17.29	276	236419	22.304	ng	# 85
87) Benzo(b)fluoranthene	15.24	252	626429m	42.242	ng	
88) Benzo(k)fluoranthene	15.27	252	220809m	15.636	ng	
89) Benzo(a)pyrene	15.64	252	465994	35.348	ng	95
90) Dibenzo(a,h)anthracene	17.29	278	62047	5.554	ng	93
91) Benzo(g,h,i)perylene	17.78	276	222854	20.407	ng	# 89

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

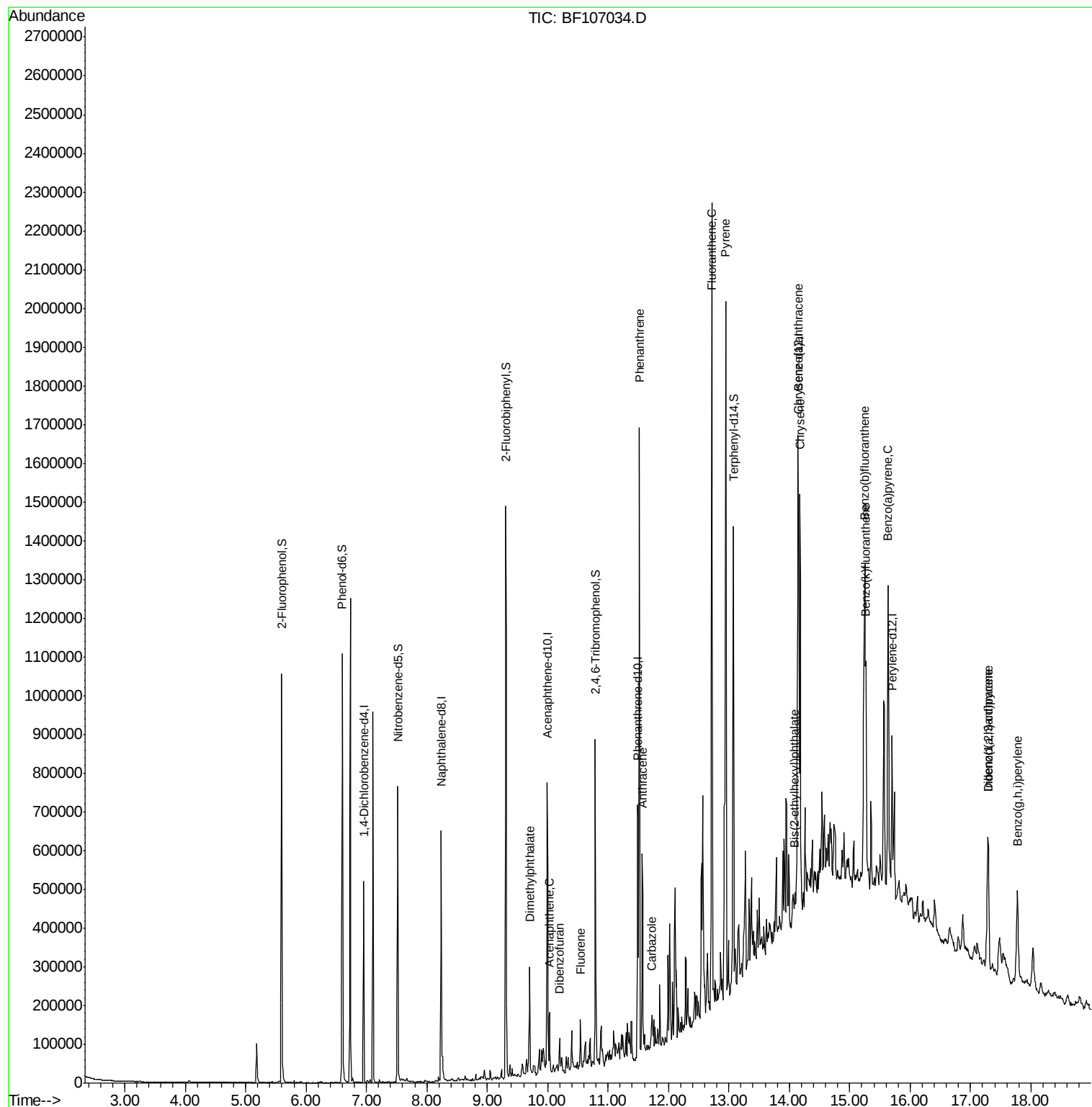
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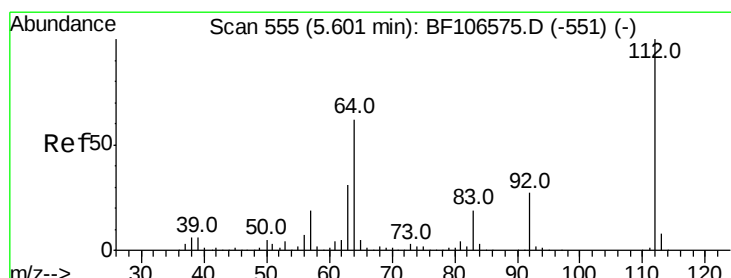
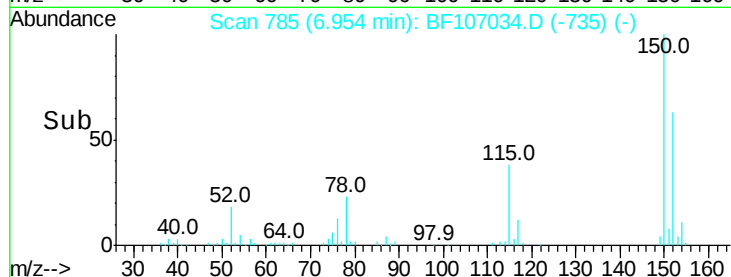
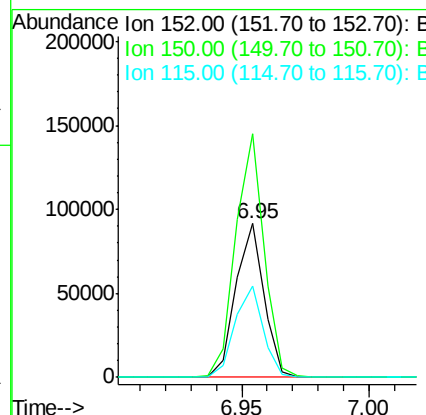
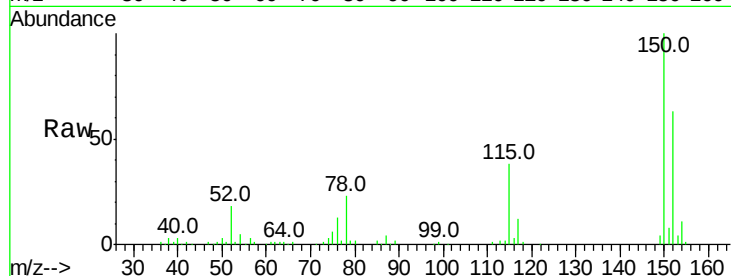
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.95 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF107034.D
 Acq: 2 Jul 2018 10:34

Instrument :
 BNA_F
 ClientSampleId :
 ZER-SB-01-03-04-0-11

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	124.6	186.8
115	59.4	50.1	75.1

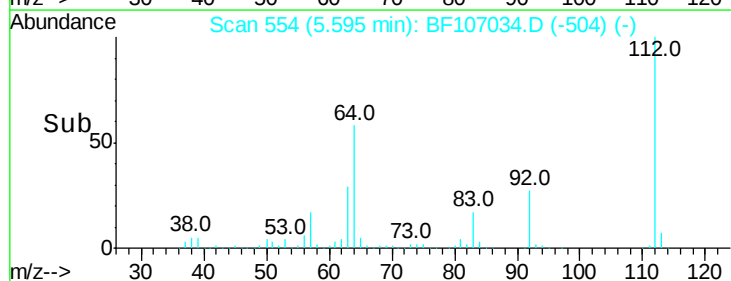
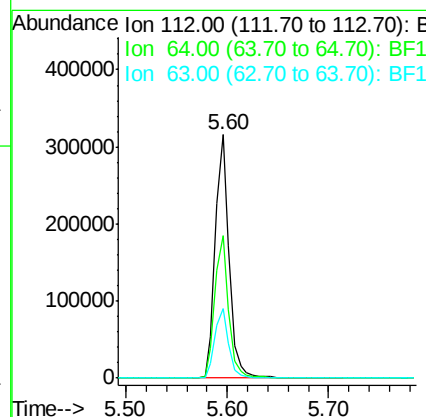
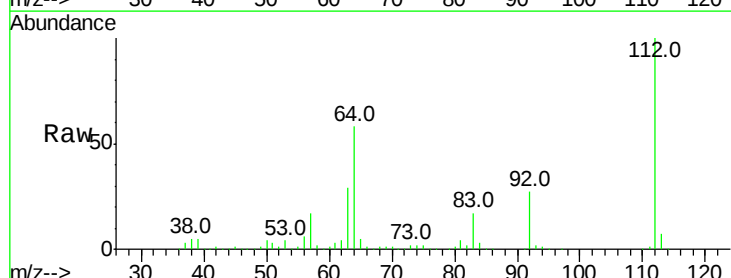
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#5
 2-Fluorophenol
 Concen: 72.159 ng
 RT: 5.60 min Scan# 554
 Delta R.T. -0.01 min
 Lab File: BF107034.D
 Acq: 2 Jul 2018 10:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.4	47.9	71.9
63	28.5	23.7	35.5





#7

Phenol-d6

Concen: 74.348 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107034.D

Acq: 2 Jul 2018 10:34

Instrument :

BNA_F

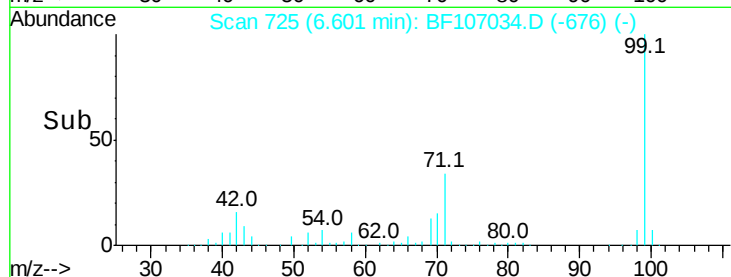
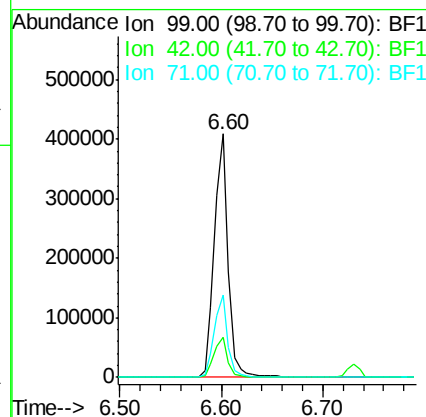
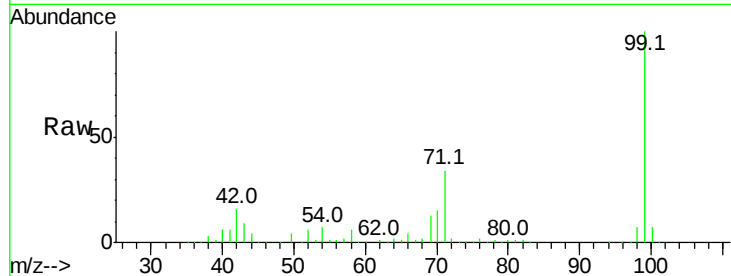
ClientSampleId :

ZER-SB-01-03-04-0-11

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		387995		
42	16.4	14.5	21.7		
71	33.7	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

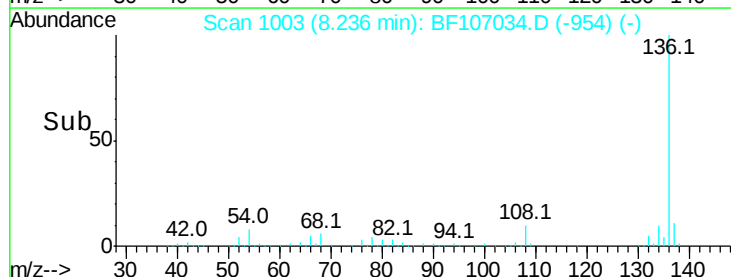
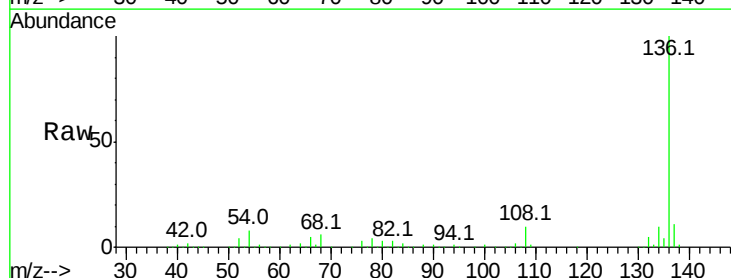
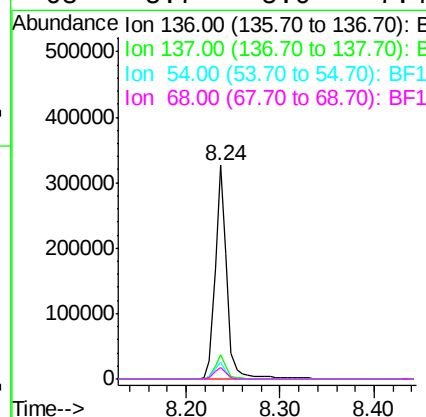
RT: 8.24 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF107034.D

Acq: 2 Jul 2018 10:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		288086		
137	11.1	8.9	13.3		
54	7.8	6.6	9.8		
68	5.7	5.0	7.4		





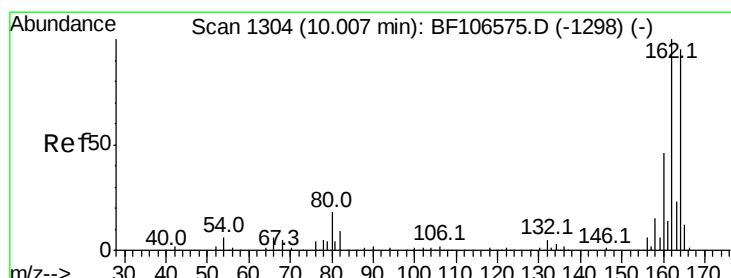
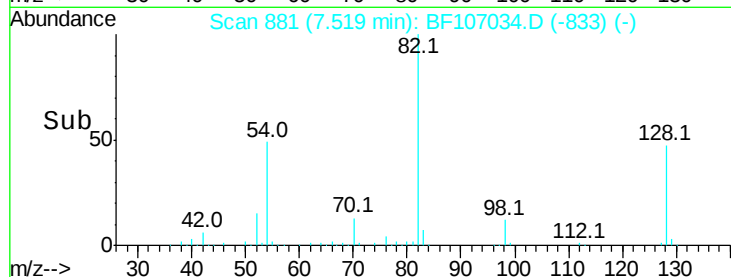
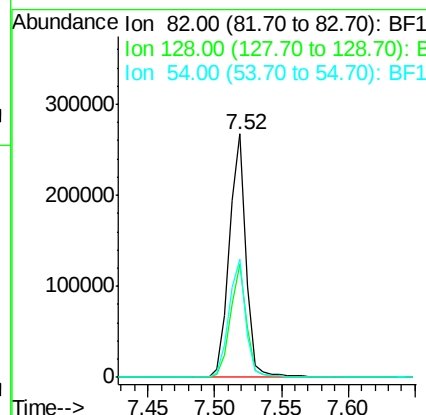
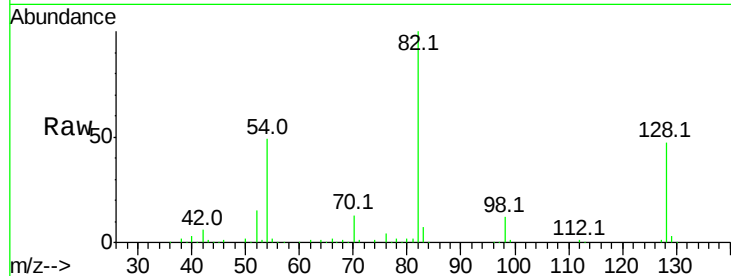
#23
 Nitrobenzene-d5
 Concen: 45.943 ng
 RT: 7.52 min Scan# 881
 Delta R.T. -0.02 min
 Lab File: BF107034.D
 Acq: 2 Jul 2018 10:34

Instrument :
 BNA_F
 ClientSampleId :
 ZER-SB-01-03-04-0-11

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.7	36.1	54.1
54	48.6	41.4	62.2

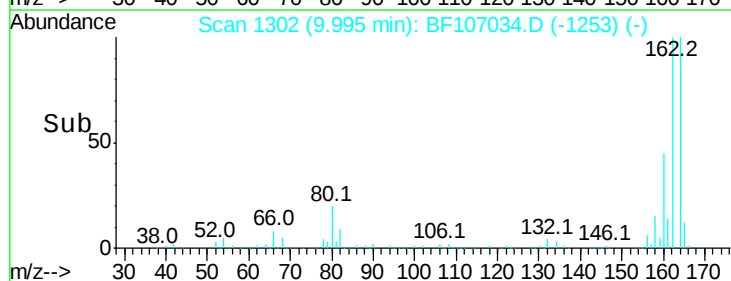
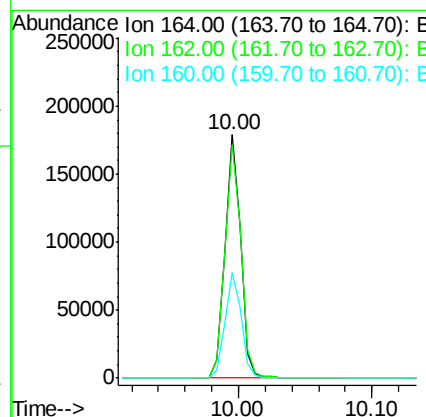
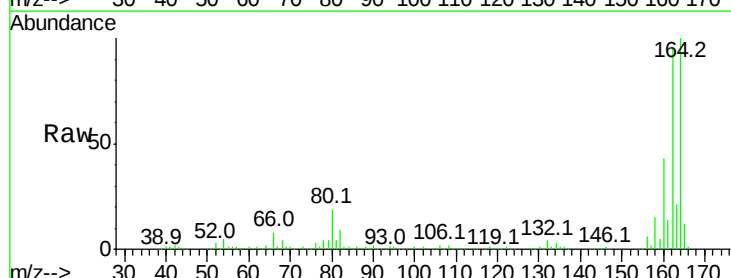
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: BF107034.D
 Acq: 2 Jul 2018 10:34

Tgt Ion	Ratio	Lower	Upper
164	100		
162	95.6	86.1	129.1
160	43.3	38.3	57.5





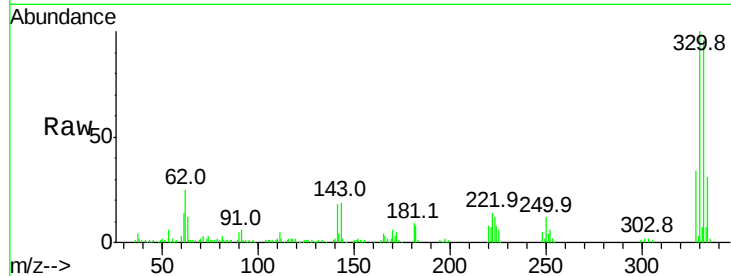
#41
 2,4,6-Tribromophenol
 Concen: 72.563 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF107034.D
 Acq: 2 Jul 2018 10:34

Instrument :
 BNA_F
 ClientSampleId :
 ZER-SB-01-03-04-0-11

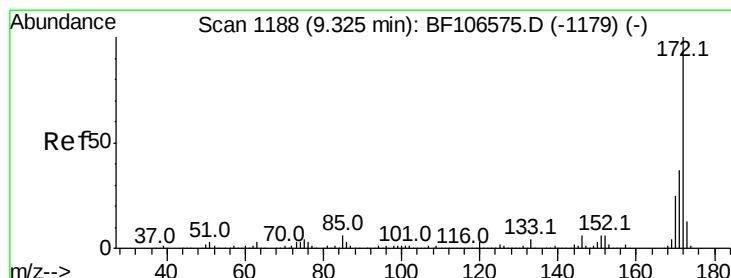
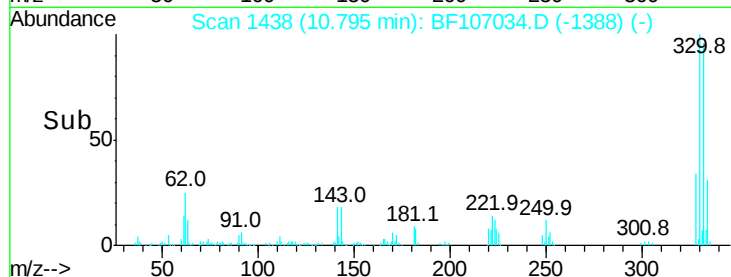
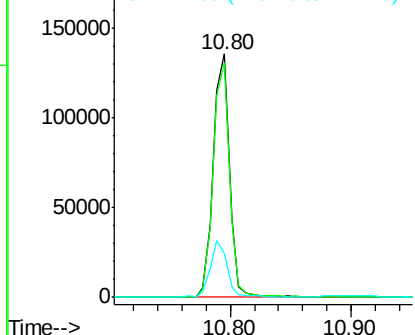
Tot Ion	Ratio	Resp	Lower	Upper
330	100	125511		
332	97.0	77.0	115.6	
141	25.5	29.9	44.9#	

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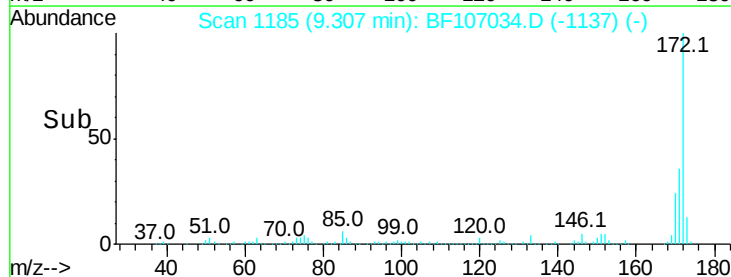
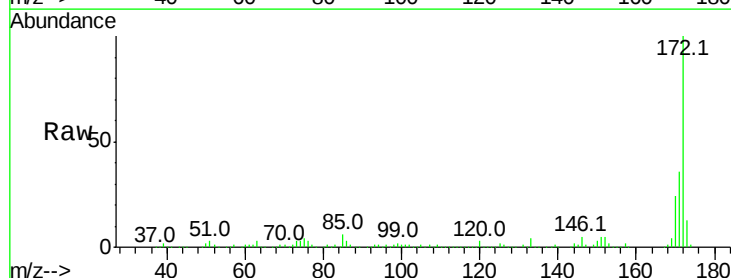
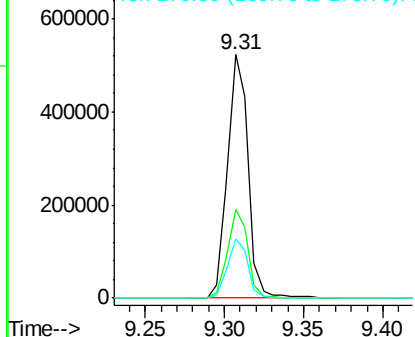
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 46.783 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF107034.D
 Acq: 2 Jul 2018 10:34

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	470953		
171	36.4	29.7	44.5	
170	24.4	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





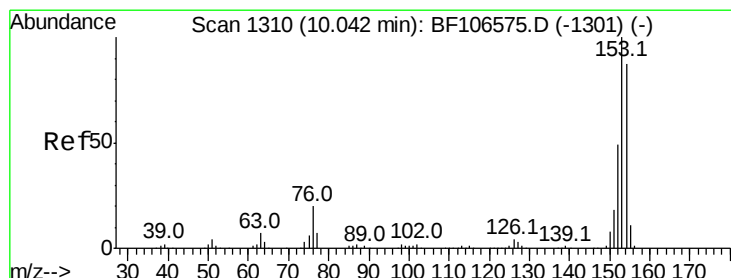
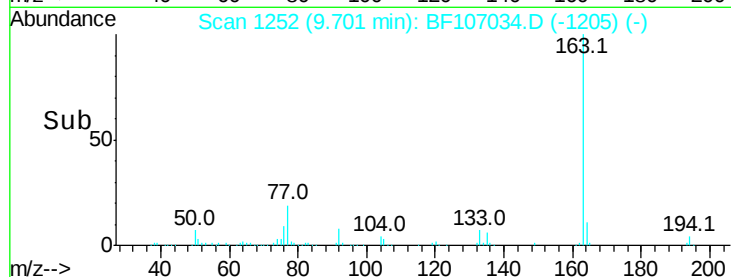
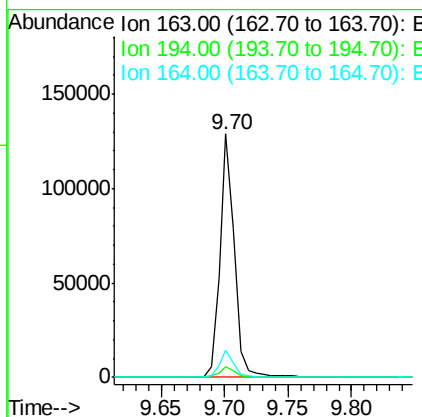
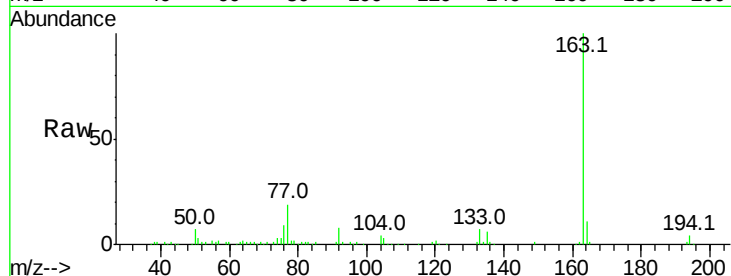
#49
Dimethylphthalate
Concen: 9.253 ng
RT: 9.70 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF107034.D
Acq: 2 Jul 2018 10:34

Instrument :
BNA_F
ClientSampleId :
ZER-SB-01-03-04-0-11

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.2	2.7	4.1#	
164	11.3	8.2	12.2	

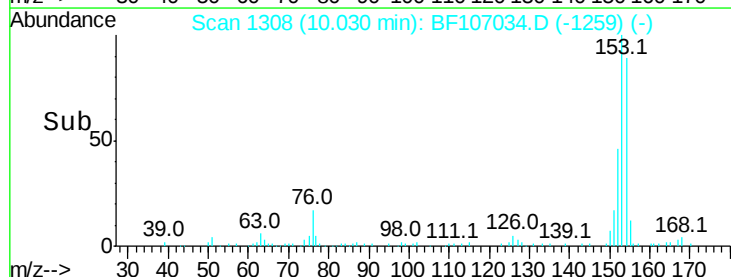
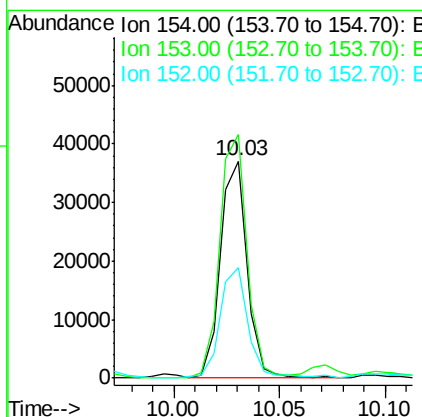
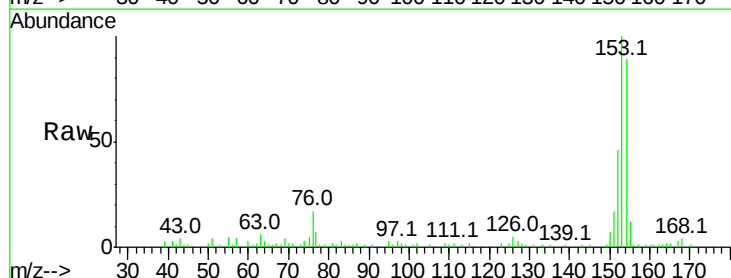
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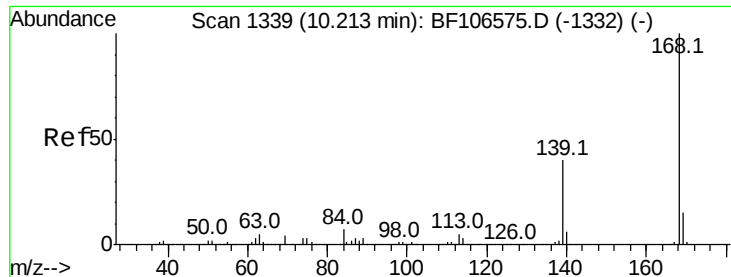
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#51
Acenaphthene
Concen: 3.492 ng
RT: 10.03 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF107034.D
Acq: 2 Jul 2018 10:34

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	112.1	91.2	136.8	
152	51.1	43.8	65.8	





#54

Dibenzenofuran

Concen: 2.232 ng

RT: 10.20 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF107034.D

Acq: 2 Jul 2018 10:34

Instrument :

BNA_F

ClientSampleId :

ZER-SB-01-03-04-0-11

Tot Ion:168 Resp: 28448

Ion Ratio Lower Upper

168 100

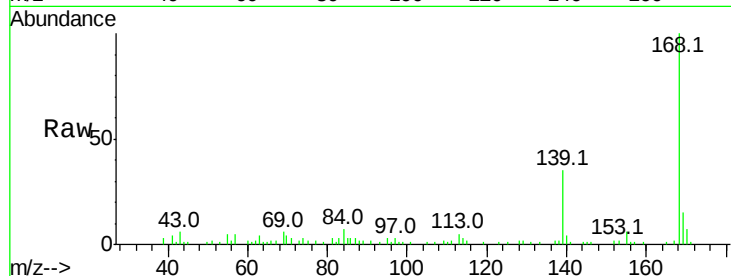
139 35.0 30.1 45.1

169 14.8 10.9 16.3

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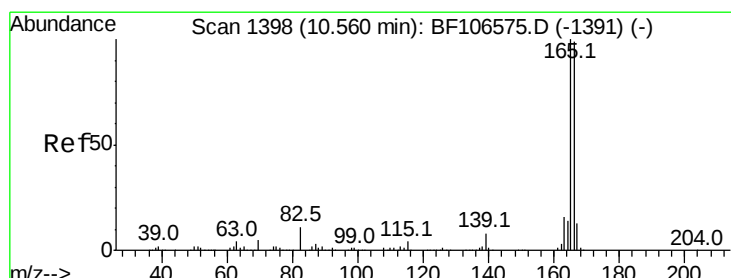
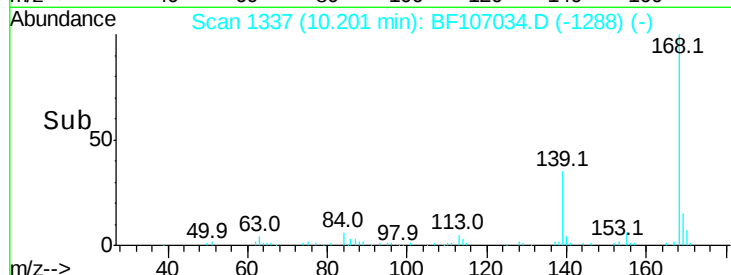
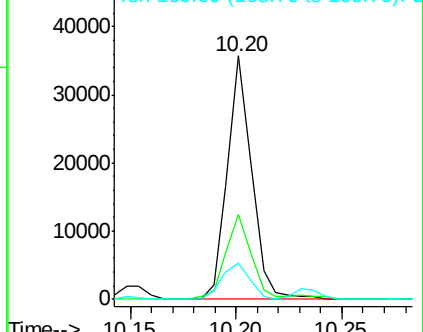
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 3.764 ng

RT: 10.54 min Scan# 1395

Delta R.T. -0.02 min

Lab File: BF107034.D

Acq: 2 Jul 2018 10:34

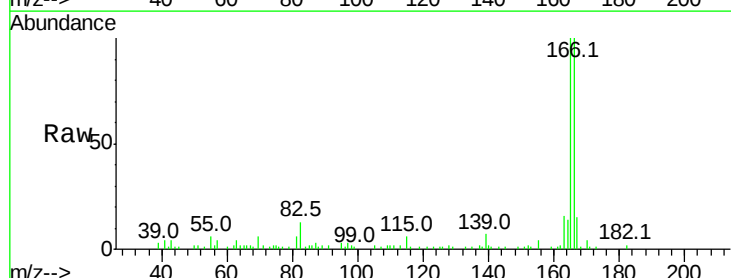
Tgt Ion:166 Resp: 38062

Ion Ratio Lower Upper

166 100

165 99.5 79.8 119.8

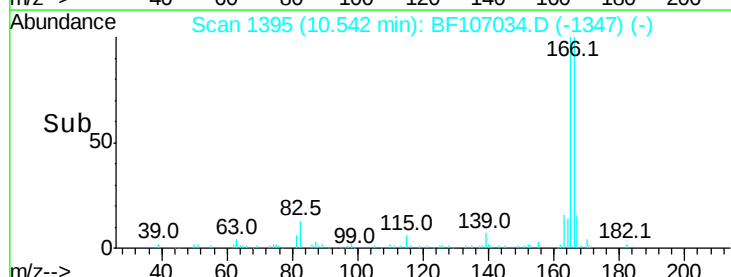
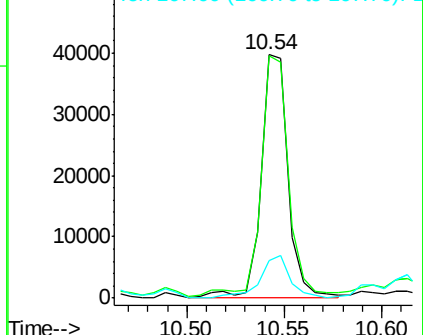
167 15.2 10.6 16.0



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





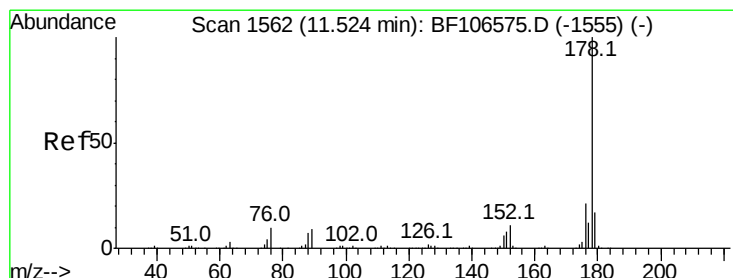
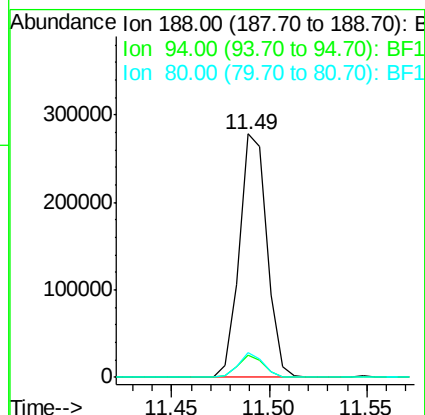
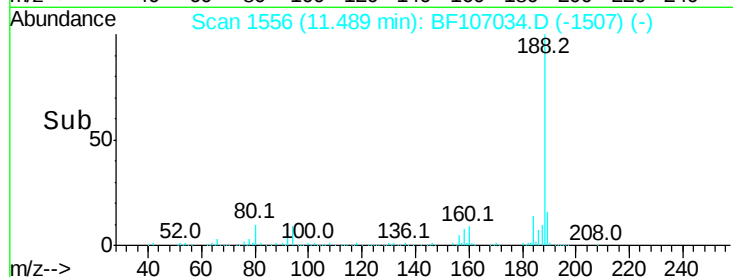
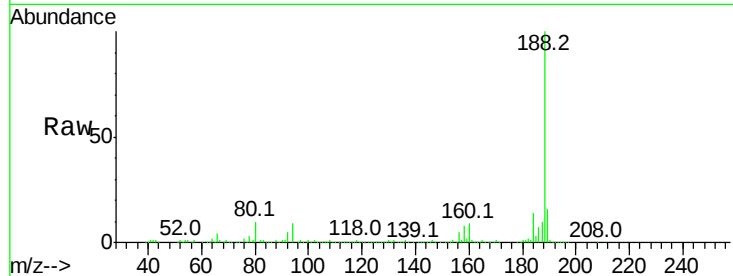
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF107034.D
Acq: 2 Jul 2018 10:34

Instrument :
BNA_F
ClientSampleId :
ZER-SB-01-03-04-0-11

Tot Ion	Ratio	Resp	Lower	Upper
188	100	272789		
94	9.0		8.5	12.7
80	10.0		9.2	13.8

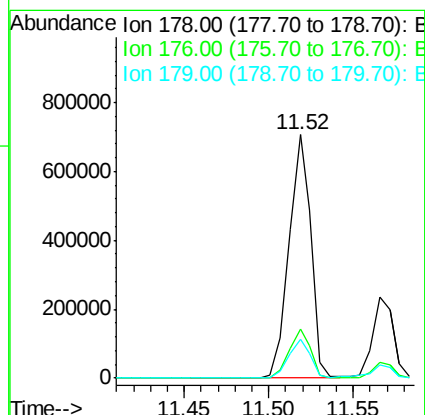
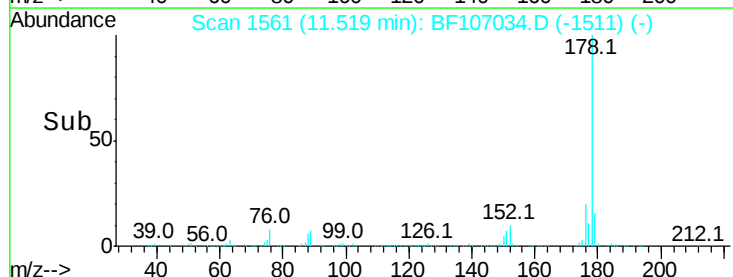
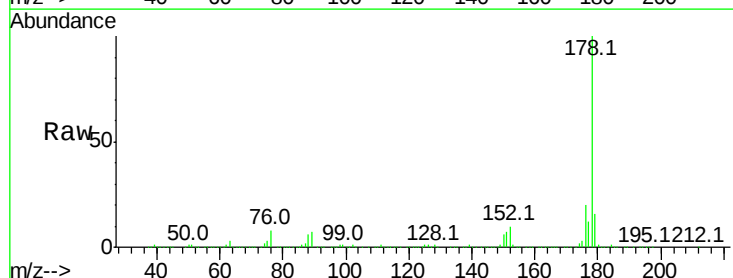
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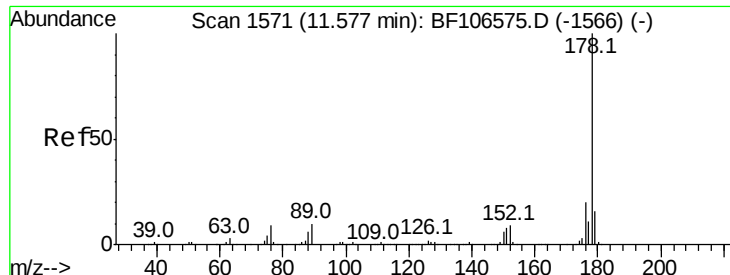
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#70
Phenanthrene
Concen: 48.606 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF107034.D
Acq: 2 Jul 2018 10:34

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	639511		
176	20.2		15.8	23.8
179	16.0		13.0	19.6





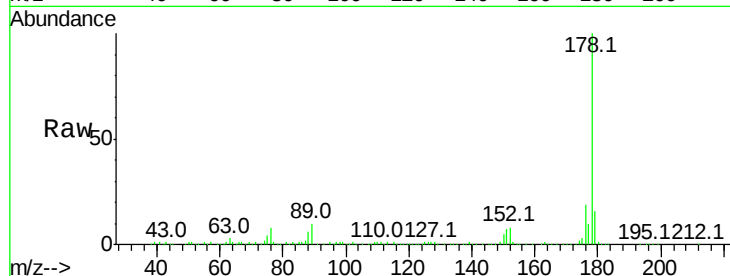
#71
 Anthracene
 Concen: 14.595 ng
 RT: 11.57 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF107034.D
 Acq: 2 Jul 2018 10:34

Instrument :
 BNA_F
 ClientSampleId :
 ZER-SB-01-03-04-0-11

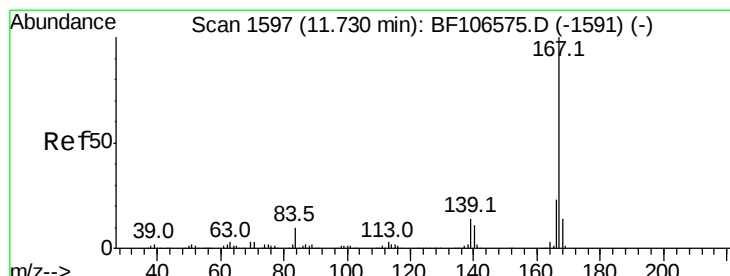
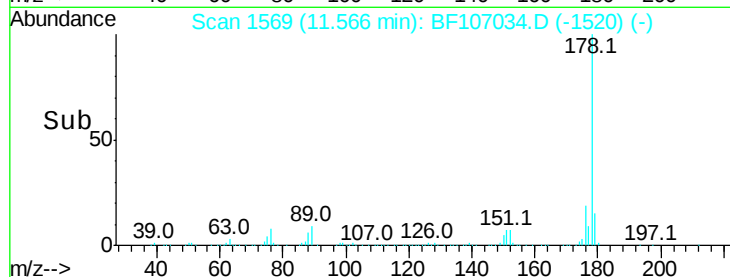
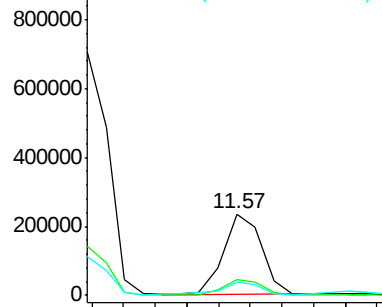
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	15.5	12.6	19.0

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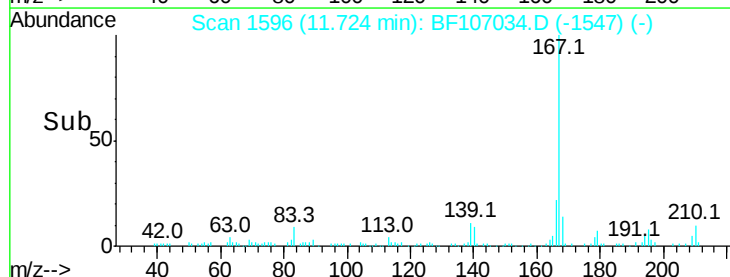
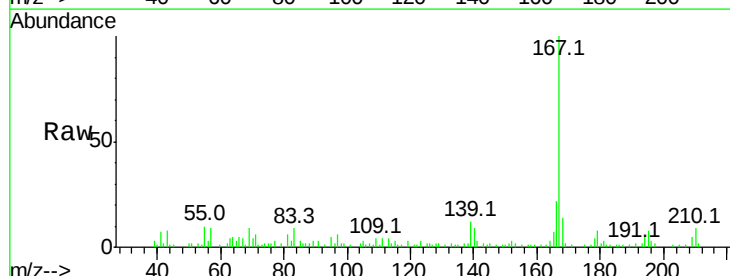
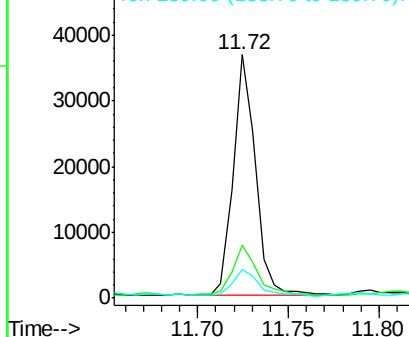
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

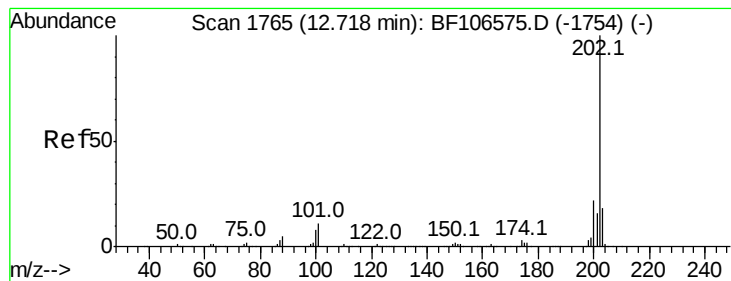


#72
 Carbazole
 Concen: 2.494 ng
 RT: 11.72 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: BF107034.D
 Acq: 2 Jul 2018 10:34

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.6	26.4
139	11.8	10.9	16.3

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: 68.177 ng

RT: 12.72 min Scan# 1765

Delta R.T. -0.00 min

Lab File: BF107034.D

Acq: 2 Jul 2018 10:34

Instrument :

BNA_F

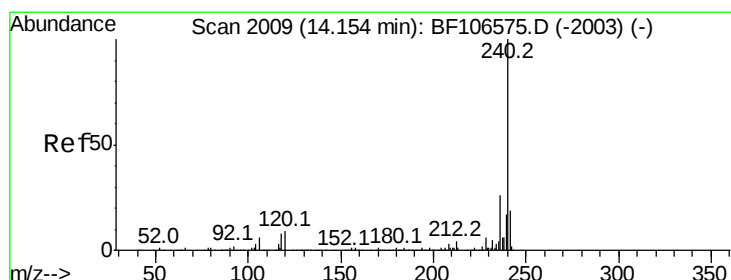
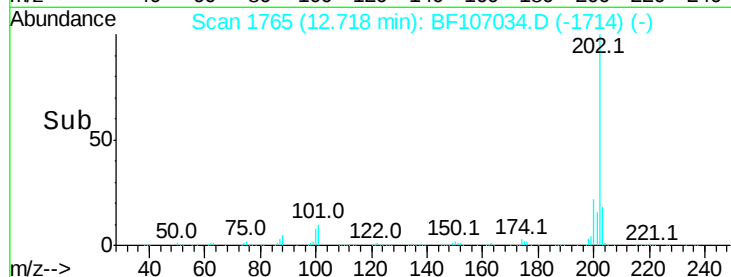
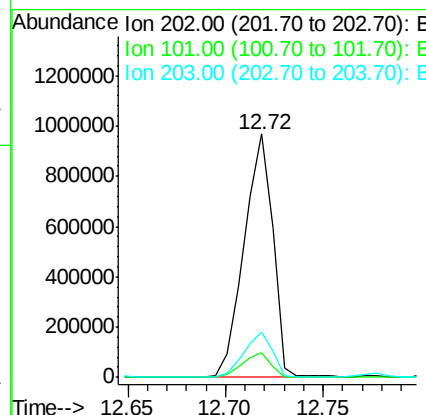
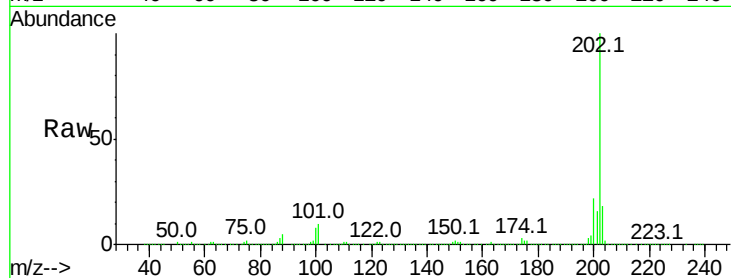
ClientSampleId :

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Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.4	0.0	34.1
203	18.5	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

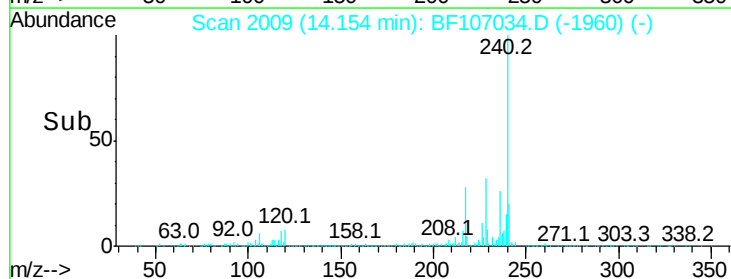
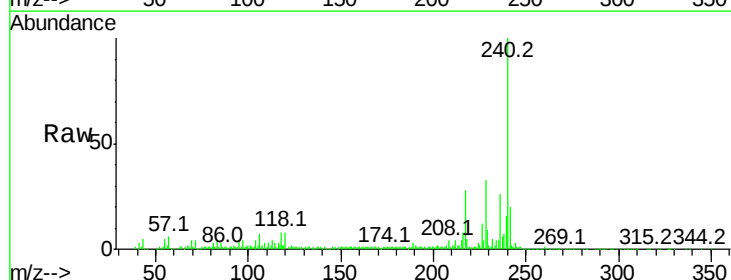
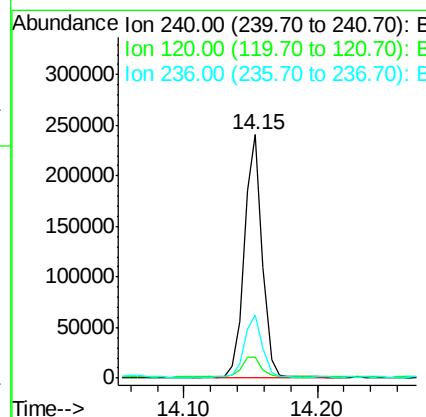
RT: 14.15 min Scan# 2009

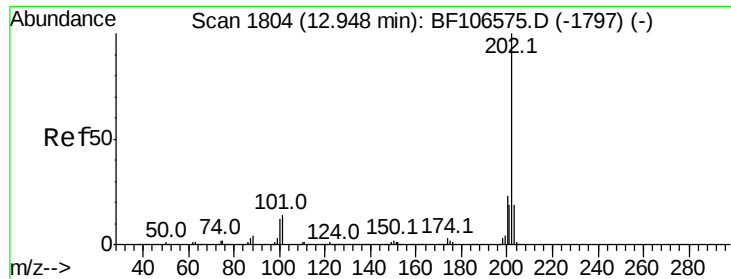
Delta R.T. -0.01 min

Lab File: BF107034.D

Acq: 2 Jul 2018 10:34

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	8.4	9.5	14.3#
236	25.8	20.7	31.1





#77

Pvrene

Concen: 62.710 ng

RT: 12.95 min Scan# 1804

Delta R.T. -0.00 min

Lab File: BF107034.D

Acq: 2 Jul 2018 10:34

Instrument :

BNA_F

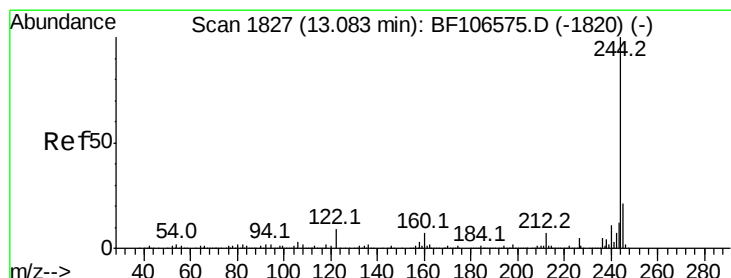
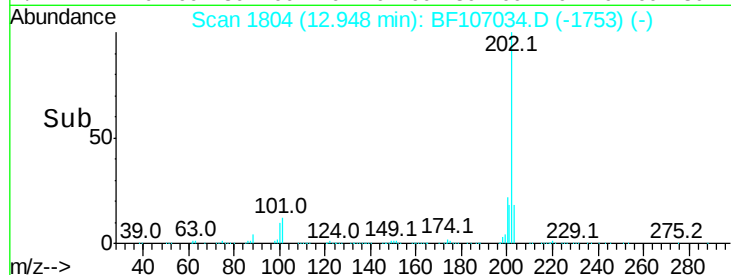
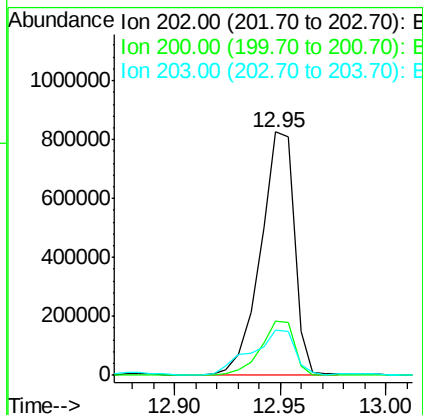
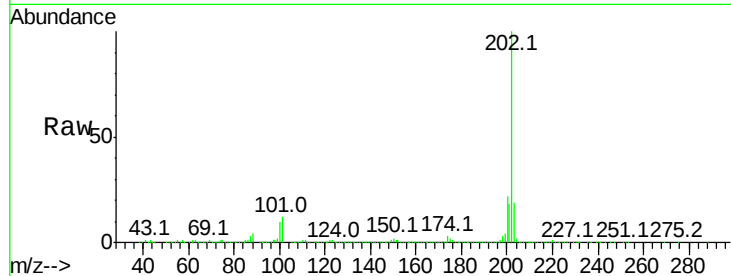
ClientSampleId :

ZER-SB-01-03-04-0-11

Tot Ion:	202	Resp:	921192
Ion Ratio	Lower	Upper	
202	100		
200	22.1	17.4	26.2
203	18.7	14.3	21.5

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#78

Terphenyl-d14

Concen: 51.018 ng

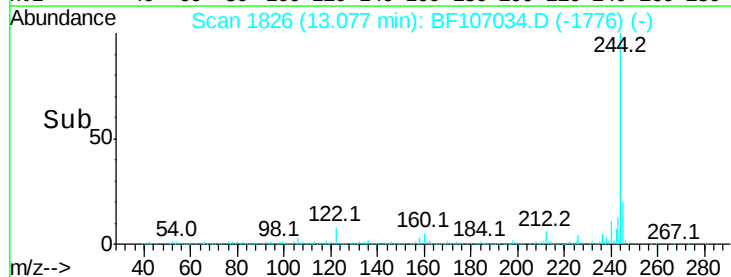
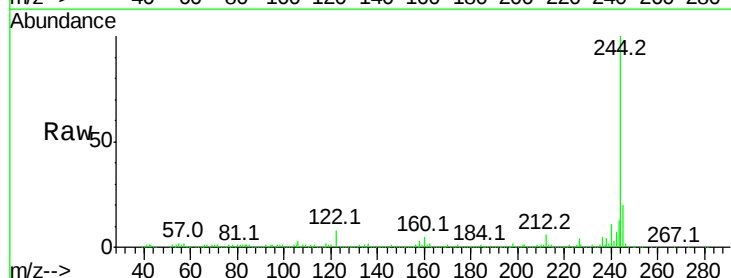
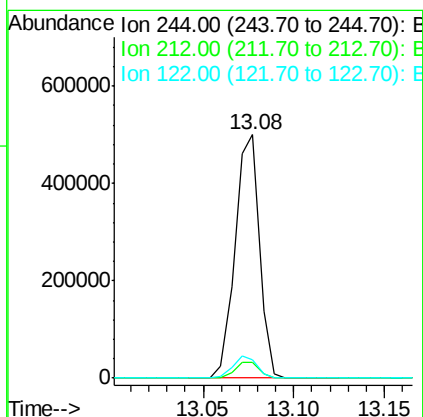
RT: 13.08 min Scan# 1826

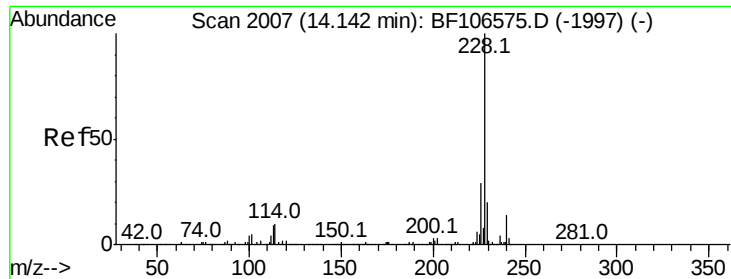
Delta R.T. -0.01 min

Lab File: BF107034.D

Acq: 2 Jul 2018 10:34

Tgt Ion:	244	Resp:	469185
Ion Ratio	Lower	Upper	
244	100		
212	6.3	5.4	8.0
122	7.8	11.0	16.4#





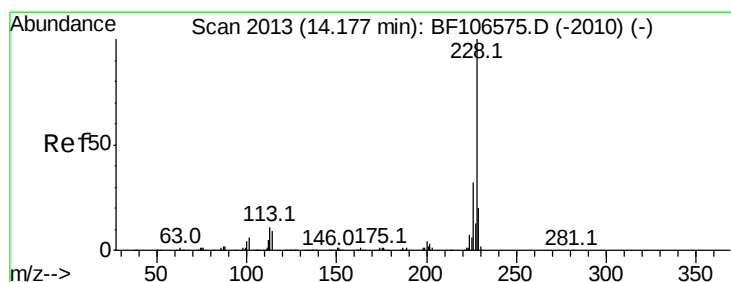
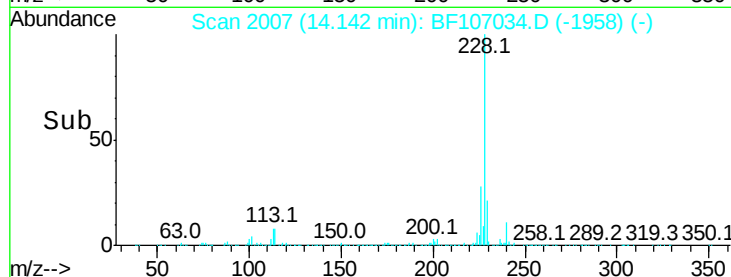
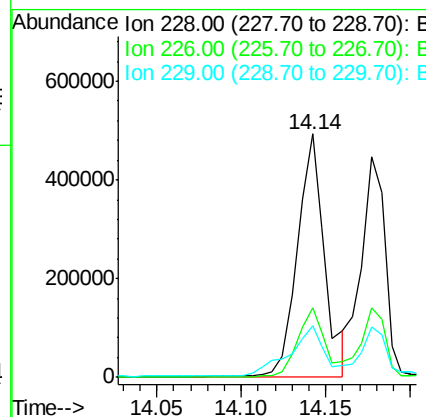
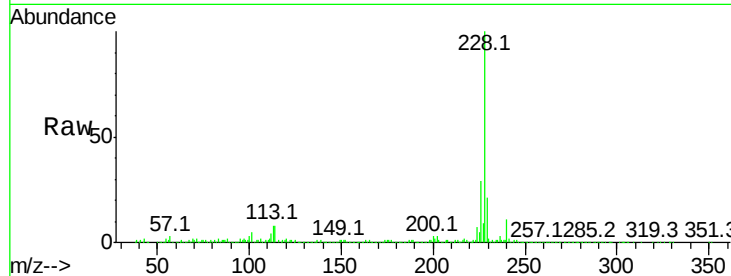
#80
Benzo(a)anthracene
Concen: 40.468 ng
RT: 14.14 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF107034.D
Acq: 2 Jul 2018 10:34

Instrument :
BNA_F
ClientSampleId :
ZER-SB-01-03-04-0-11

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	33.8
229	21.0	15.8	23.6

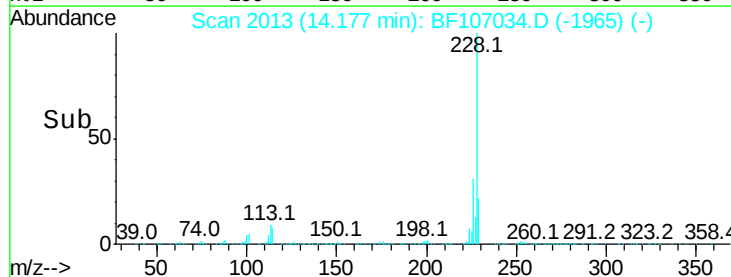
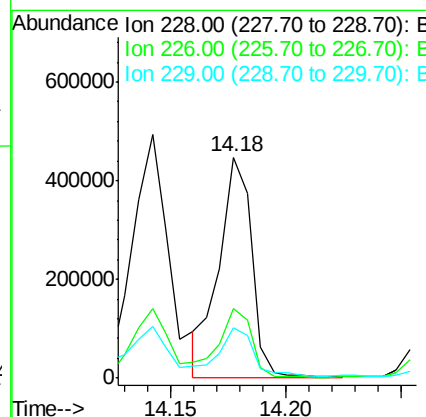
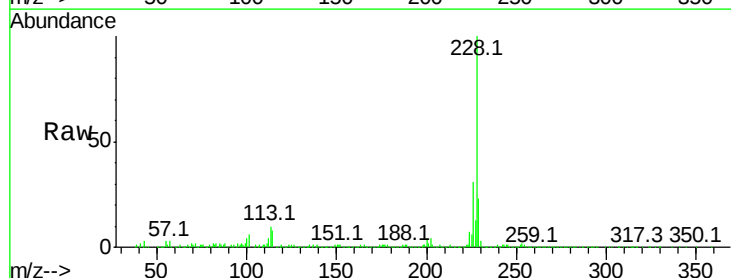
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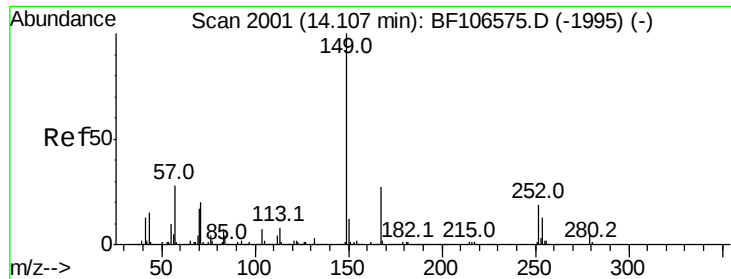
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#82
Chrysene
Concen: 35.005 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.02 min
Lab File: BF107034.D
Acq: 2 Jul 2018 10:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.0	37.6
229	22.7	16.2	24.4





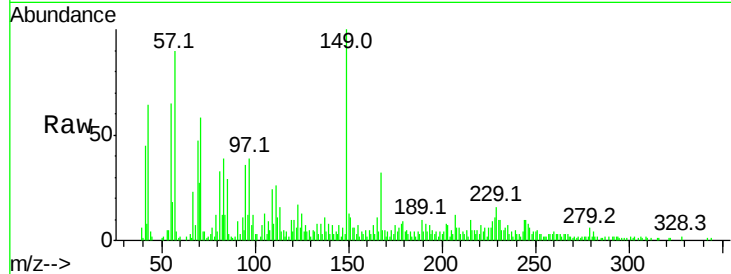
#83
Bis(2-ethylhexyl)phthalate
Concen: 2.436 ng
RT: 14.09 min Scan# 1999
Delta R.T. -0.02 min
Lab File: BF107034.D
Acq: 2 Jul 2018 10:34

Instrument :
BNA_F
ClientSampleId :
ZER-SB-01-03-04-0-11

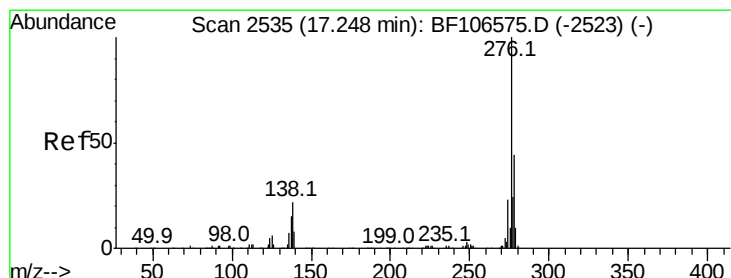
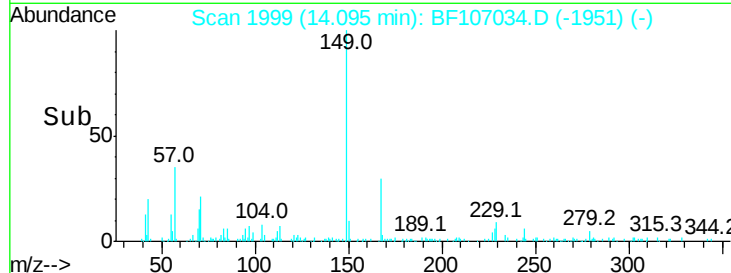
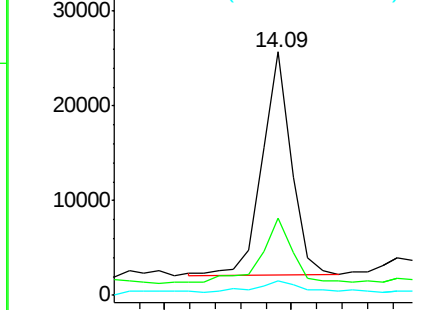
Tot Ion	Ratio	Resp	Lower	Upper
149	100	18811		
167	31.8	21.3	31.9	
279	5.9	3.0	4.4	

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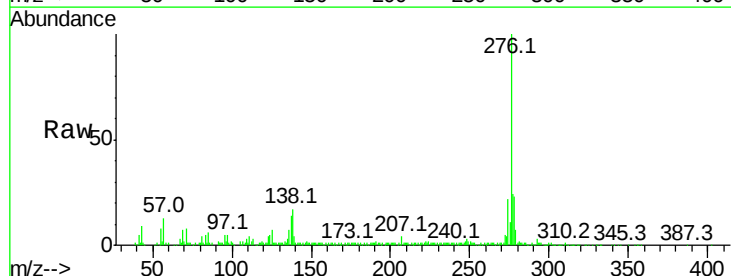


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

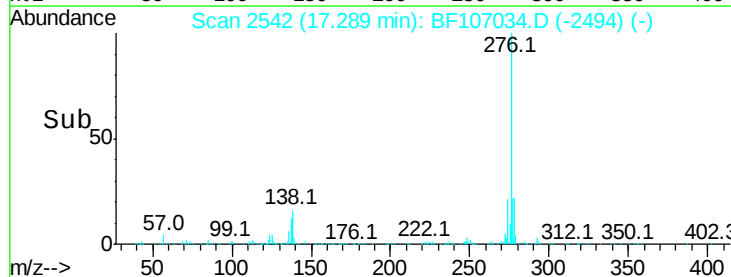
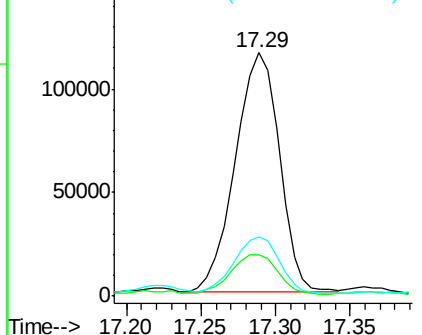


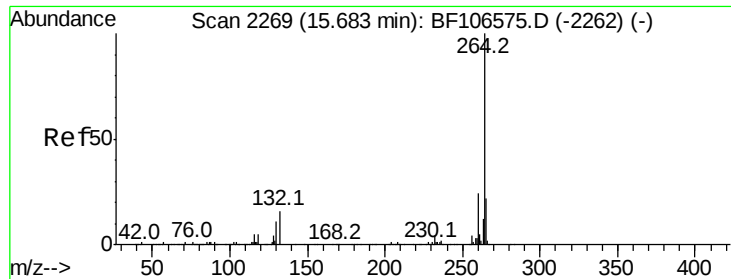
#85
Indeno(1,2,3-cd)pyrene
Concen: 22.304 ng
RT: 17.29 min Scan# 2542
Delta R.T. -0.02 min
Lab File: BF107034.D
Acq: 2 Jul 2018 10:34

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	236419		
138	17.5	25.0	37.6	
277	24.2	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





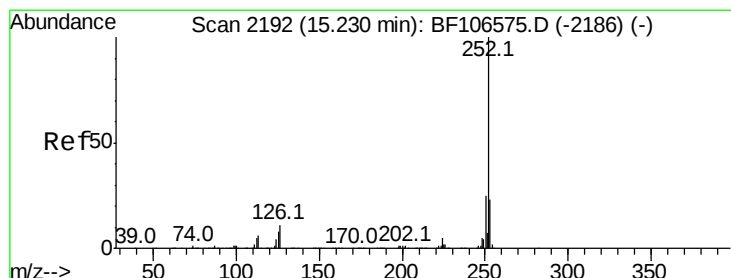
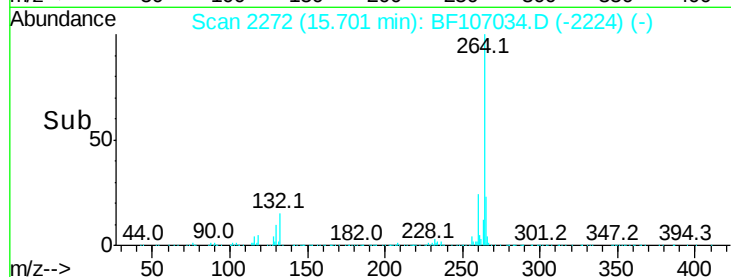
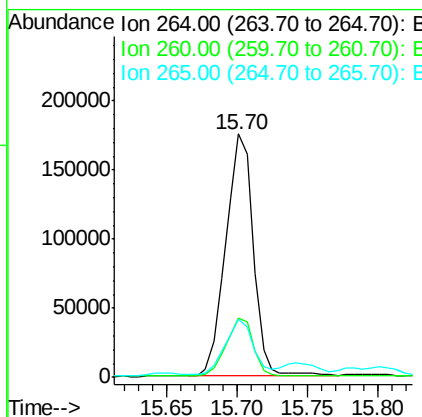
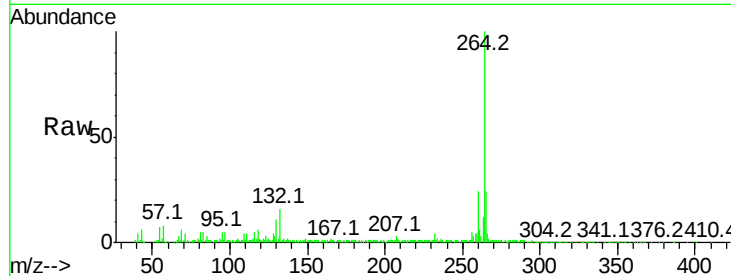
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2272
Delta R.T. -0.02 min
Lab File: BF107034.D
Acq: 2 Jul 2018 10:34

Instrument :
BNA_F
ClientSampleId :
ZER-SB-01-03-04-0-11

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	24.0	17.5	26.3

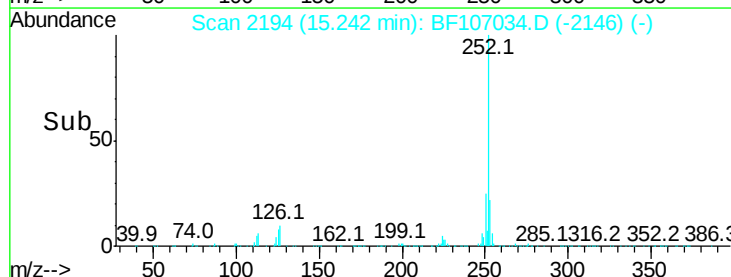
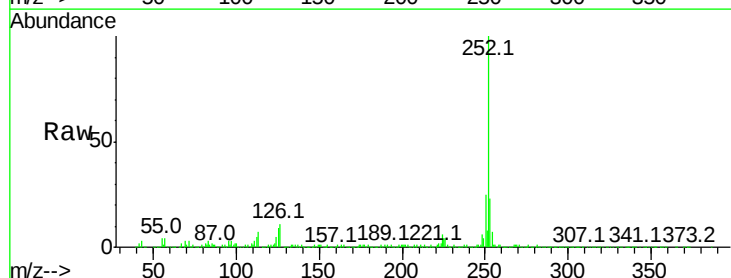
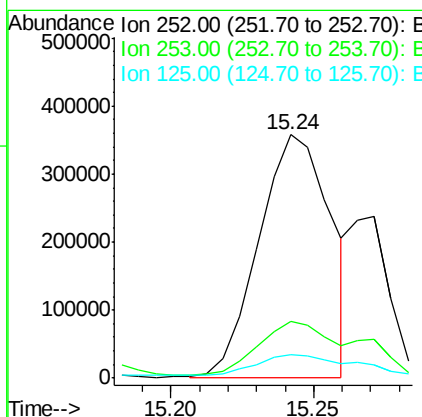
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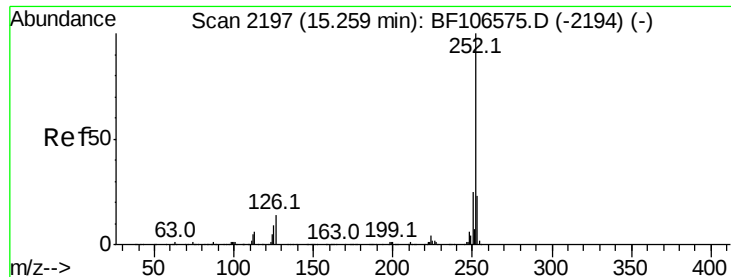
Sohil
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#87
Benzo(b)fluoranthene
Concen: 42.242 ng m
RT: 15.24 min Scan# 2194
Delta R.T. -0.02 min
Lab File: BF107034.D
Acq: 2 Jul 2018 10:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.0	25.6
125	9.4	9.0	13.6





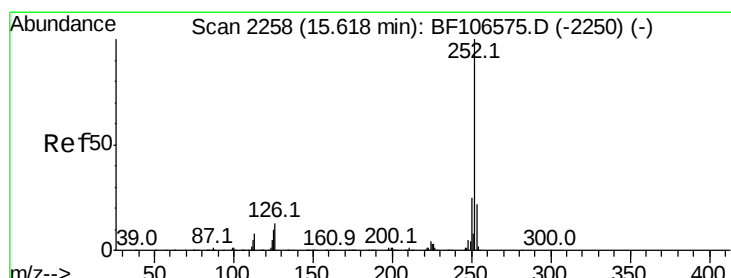
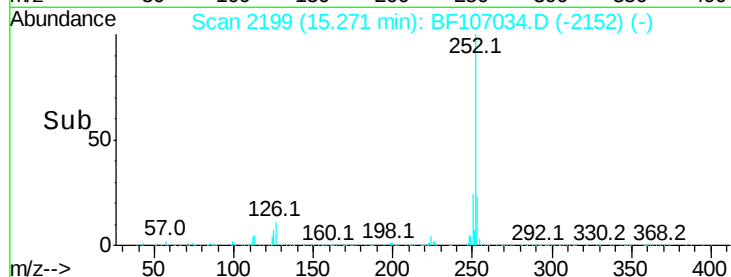
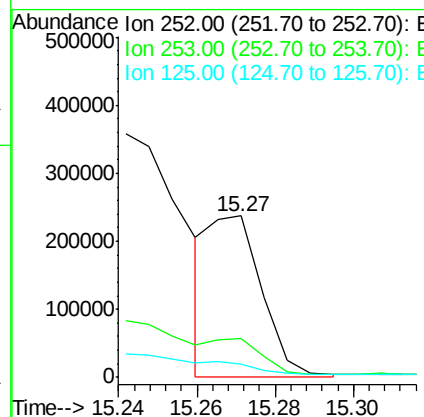
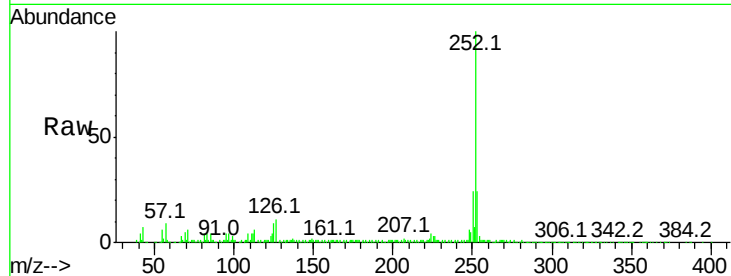
#88
Benzo(k)fluoranthene
Concen: 15.636 ng m
RT: 15.27 min Scan# 2199
Delta R.T. -0.02 min
Lab File: BF107034.D
Acq: 2 Jul 2018 10:34

Instrument :
BNA_F
ClientSampleId :
ZER-SB-01-03-04-0-11

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	8.5	10.2	15.2#

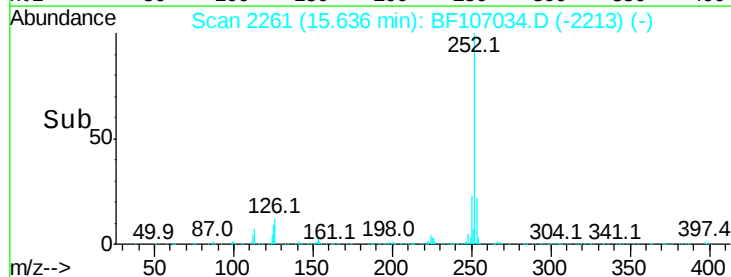
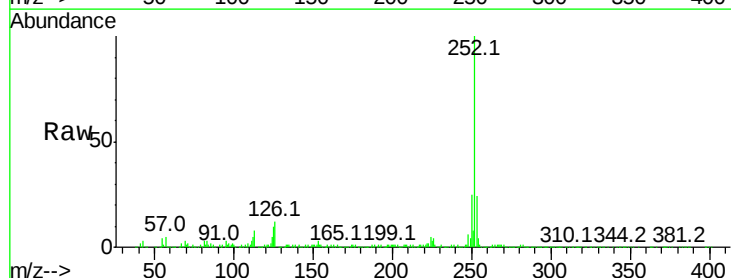
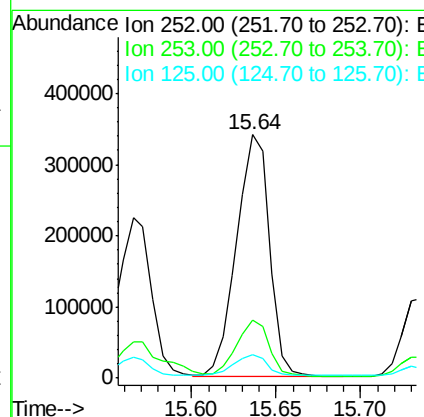
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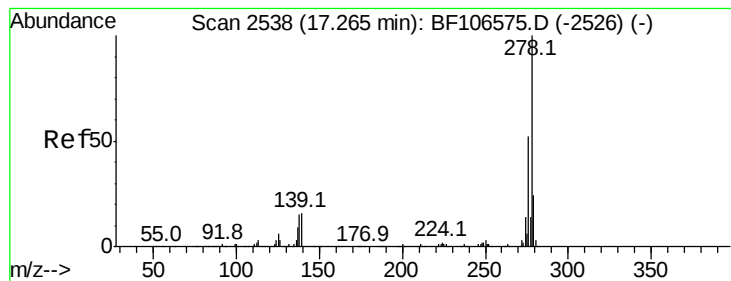
Sohil
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#89
Benzo(a)pyrene
Concen: 35.348 ng
RT: 15.64 min Scan# 2261
Delta R.T. -0.02 min
Lab File: BF107034.D
Acq: 2 Jul 2018 10:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.1	25.7
125	9.8	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 5.554 ng

RT: 17.29 min Scan# 2543

Delta R.T. -0.03 min

Lab File: BF107034.D

Acq: 2 Jul 2018 10:34

Instrument :

BNA_F

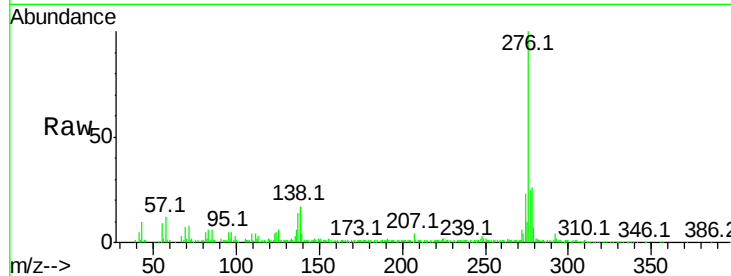
ClientSampleId :

ZER-SB-01-03-04-0-11

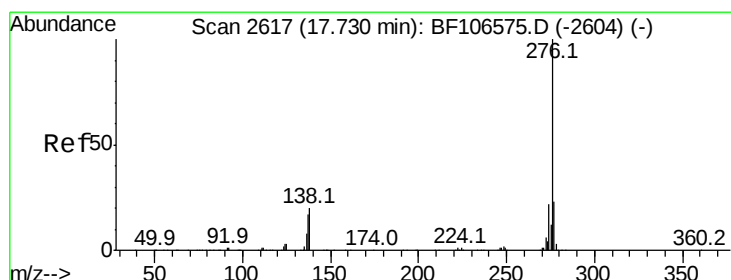
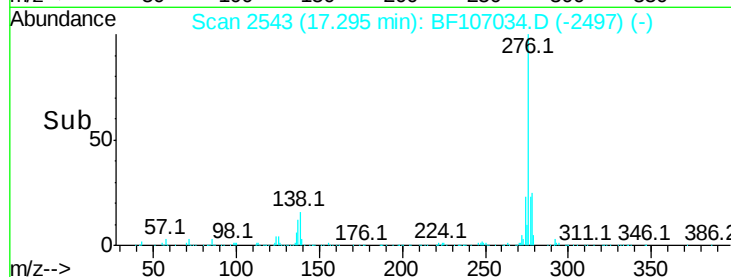
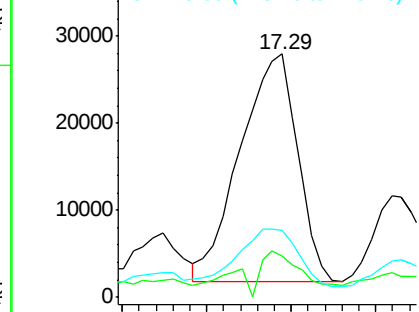
Tot Ion:	278	Resp:	62047
Ion	Ratio	Lower	Upper
278	100		
139	16.9	15.9	23.9
279	27.4	19.0	28.4

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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 20.407 ng

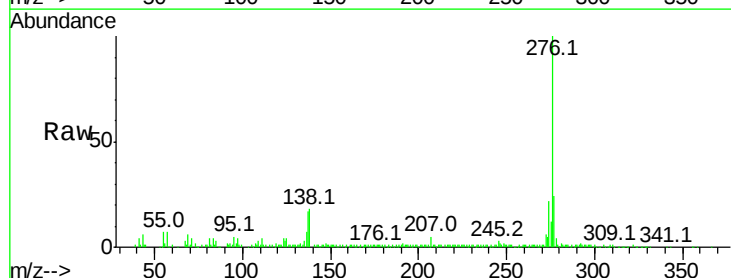
RT: 17.78 min Scan# 2625

Delta R.T. -0.01 min

Lab File: BF107034.D

Acq: 2 Jul 2018 10:34

Tgt Ion:	276	Resp:	222854
Ion	Ratio	Lower	Upper
276	100		
277	24.1	17.9	26.9
138	18.4	21.8	32.8#



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

