

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101518\
 Data File : BF109896.D
 Acq On : 15 Oct 2018 23:01
 Operator : JU/SJ
 Sample : J5314-01DL 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-18DL

Manual Integrations
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Sohil
 10/16/2018 9:57:44 AM

Quant Time: Oct 16 02:20:21 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 15 18:09:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	385223	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	1455029	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	603668	20.00	ng	0.00
64) Phenanthrene-d10	11.51	188	1037348	20.00	ng	0.00
76) Chrysene-d12	14.16	240	978029	20.00	ng	0.00
87) Perylene-d12	15.68	264	812103	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	754235	31.04	ng	0.00
7) Phenol-d6	6.59	99	943469	31.26	ng	0.00
23) Nitrobenzene-d5	7.53	82	536564	24.84	ng	-0.01
42) 2,4,6-Tribromophenol	10.80	330	151912	29.07	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	817837	21.62	ng	0.00
79) Terphenyl-d14	13.09	244	724212	15.55	ng	0.00
Target Compounds						
52) Acenaphthene	10.05	154	109561	2.990	ng	98
58) Fluorene	10.56	166	88593	2.329	ng	99
71) Phenanthrene	11.53	178	1095635	20.401	ng	100
72) Anthracene	11.59	178	294477	5.454	ng	98
73) Carbazole	11.73	167	124345	2.343	ng	97
75) Fluoranthene	12.73	202	1573038	29.321	ng	97
78) Pyrene	12.96	202	1504638	20.946	ng	99
81) Benzo(a)anthracene	14.14	228	777279	13.492	ng	99
83) Chrysene	14.18	228	721532m	13.158	ng	
86) Indeno(1,2,3-cd)pyrene	17.23	276	246106	5.574	ng	97
88) Benzo(b)fluoranthene	15.22	252	694497m	14.834	ng	
89) Benzo(k)fluoranthene	15.25	252	264455m	5.731	ng	
90) Benzo(a)pyrene	15.61	252	509193	11.825	ng	98
92) Benzo(a,h,i)perylene	17.70	276	231442	6.003	ng	# 94

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

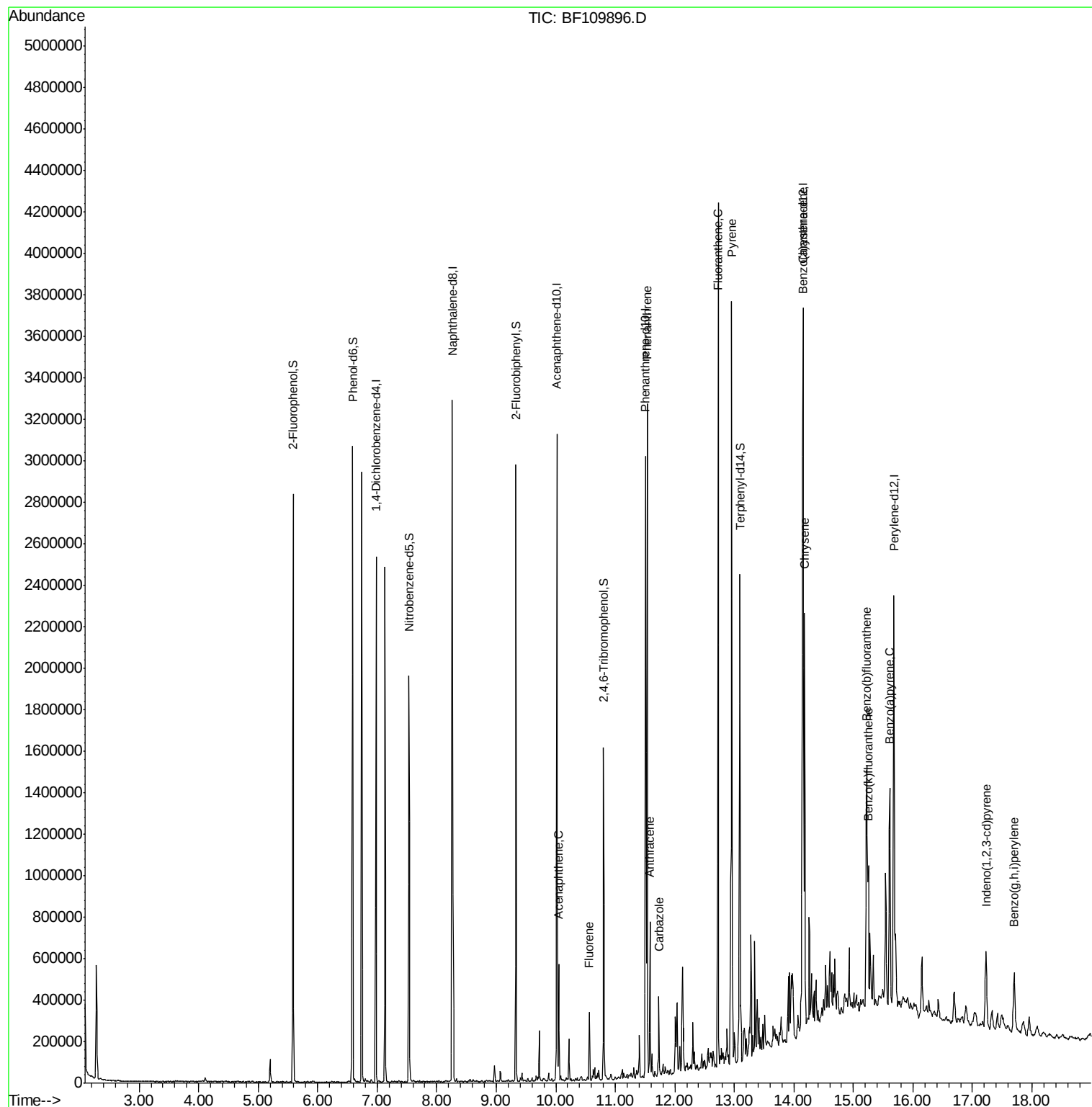
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101518\
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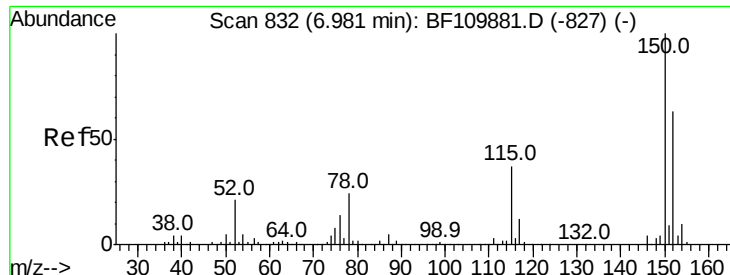
Instrument :
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Quant Time: Oct 16 02:20:21 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

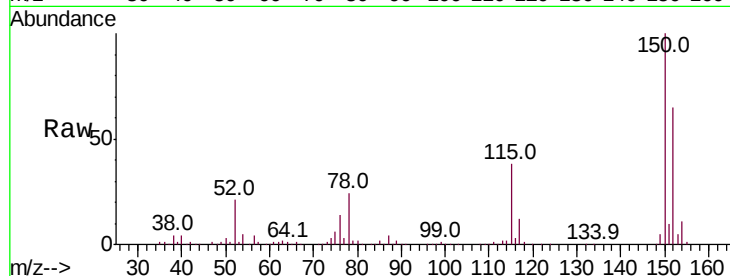
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 832
Delta R.T. 0.00 min
Lab File: BF109896.D
Acq: 15 Oct 2018 23:01

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-18DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	122.7	184.1
115	58.0	49.1	73.7

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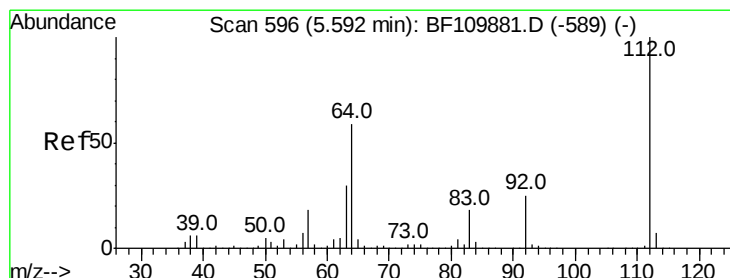
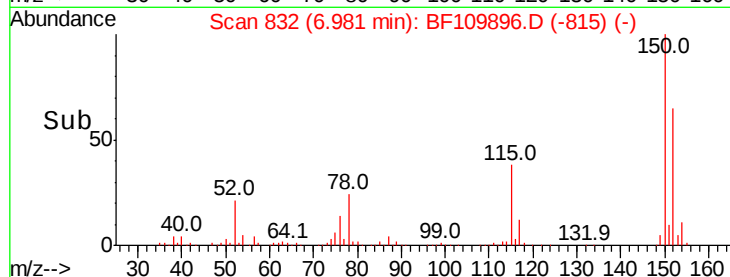
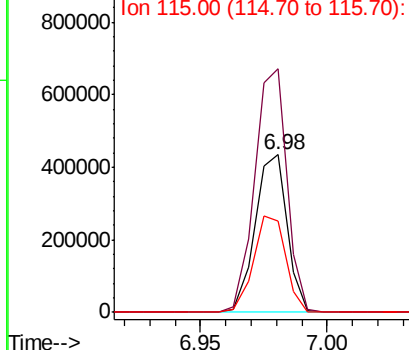


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

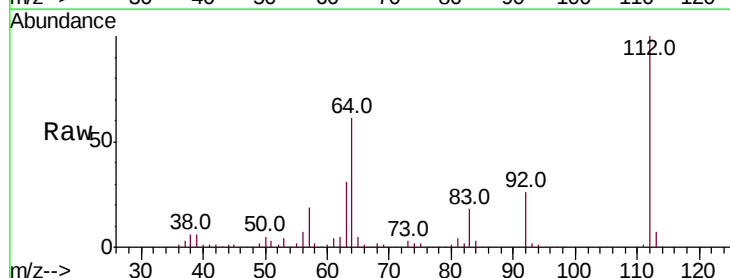
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 31.036 ng
RT: 5.59 min Scan# 595
Delta R.T. -0.01 min
Lab File: BF109896.D
Acq: 15 Oct 2018 23:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.5	44.1	66.1
63	31.4	23.7	35.5

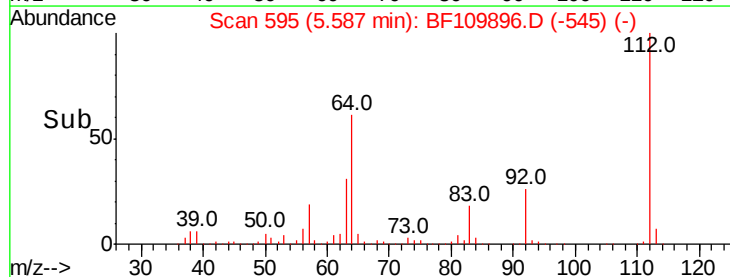
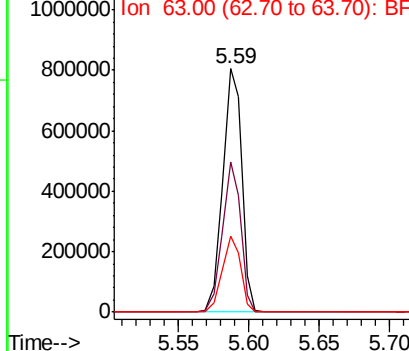


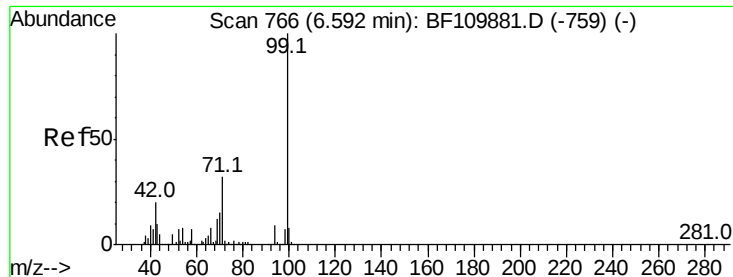
Abundance

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: 31.265 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF109896.D

Acq: 15 Oct 2018 23:01

Instrument :

BNA_F

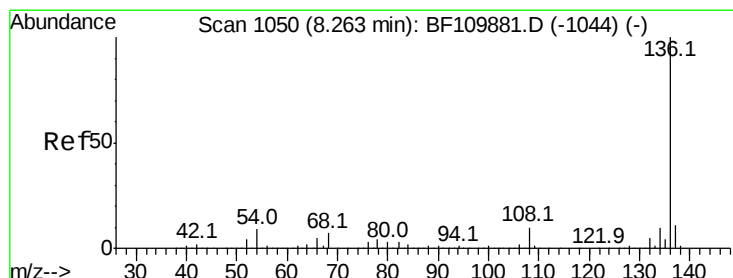
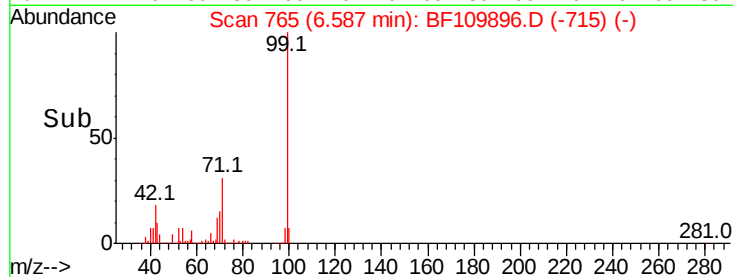
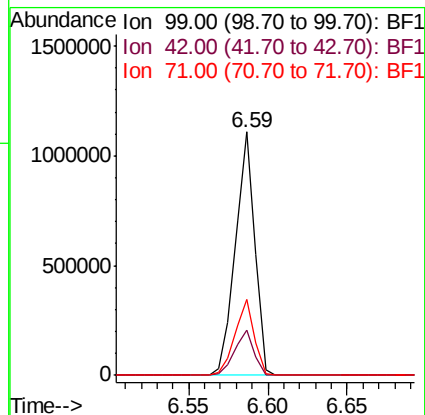
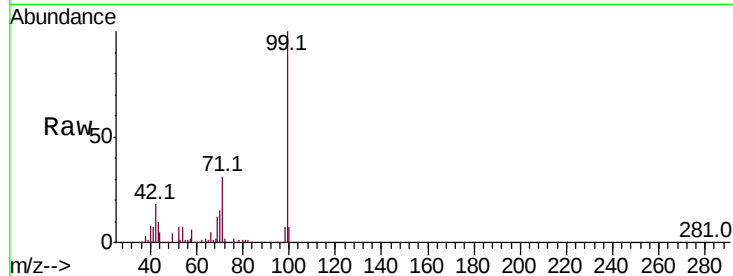
ClientSampleId :

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Tot Ion:	99	Resp:	943469
Ion Ratio	Lower	Upper	
99	100		
42	18.5	15.8	23.6
71	31.3	28.0	42.0

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#21

Naphthalene-d8

Concen: 20.000 ng

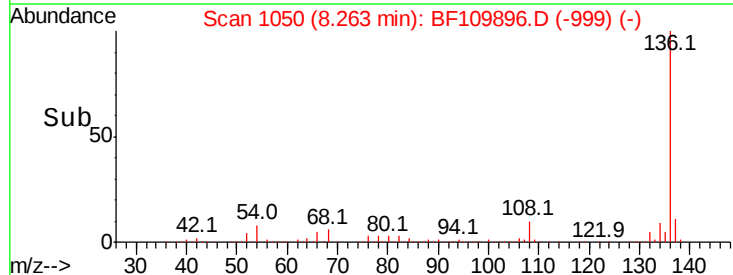
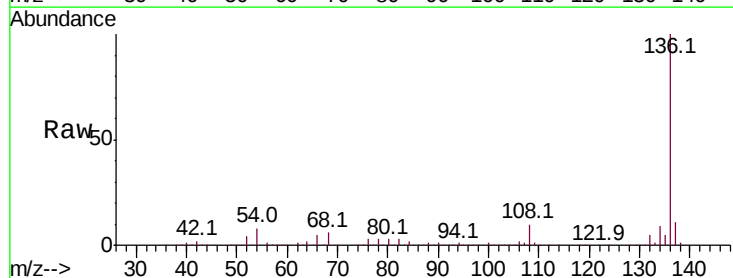
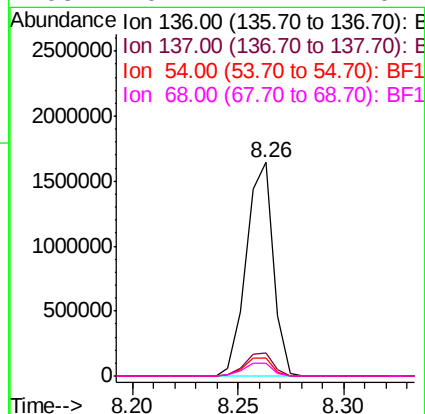
RT: 8.26 min Scan# 1050

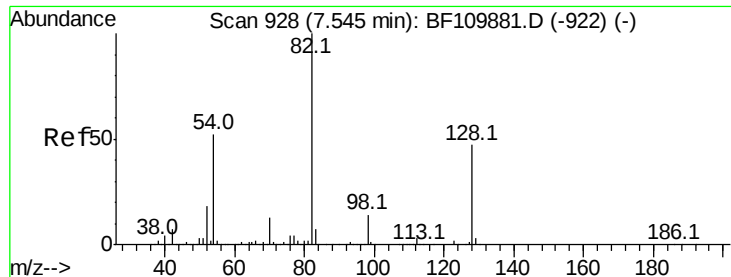
Delta R.T. 0.00 min

Lab File: BF109896.D

Acq: 15 Oct 2018 23:01

Tgt Ion:	136	Resp:	1455029
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.8	13.2
54	8.3	5.4	8.2#
68	6.2	4.2	6.2





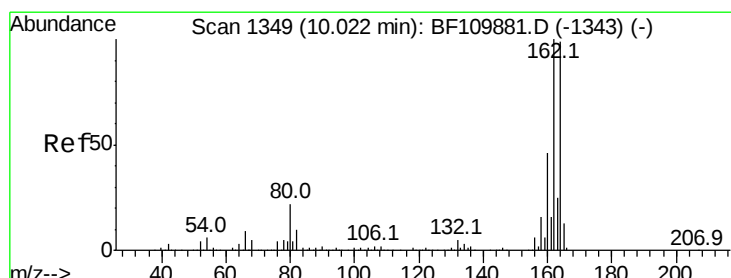
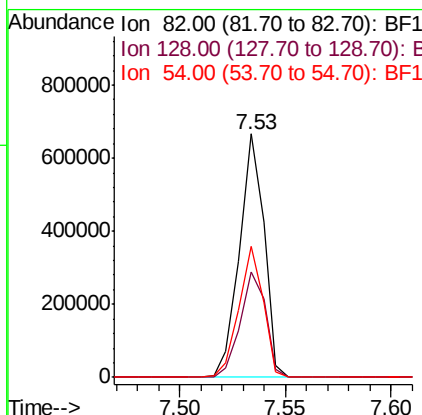
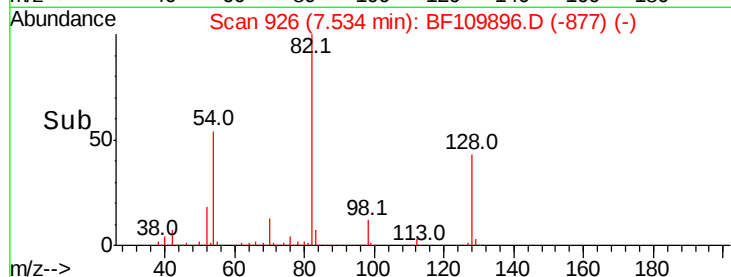
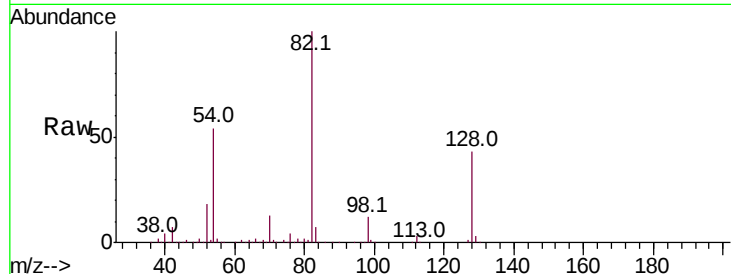
#23
 Nitrobenzene-d5
 Concen: 24.841 ng
 RT: 7.53 min Scan# 926
 Delta R.T. -0.01 min
 Lab File: BF109896.D
 Acq: 15 Oct 2018 23:01

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
82	100		
128	43.1	34.2	51.2
54	53.9	38.6	58.0

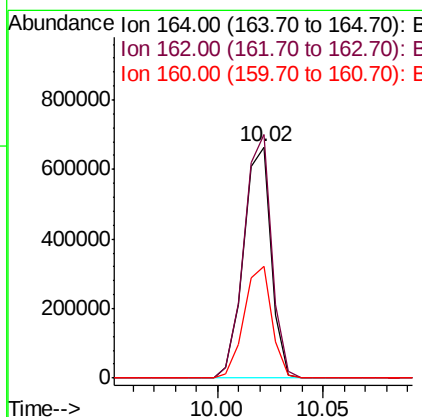
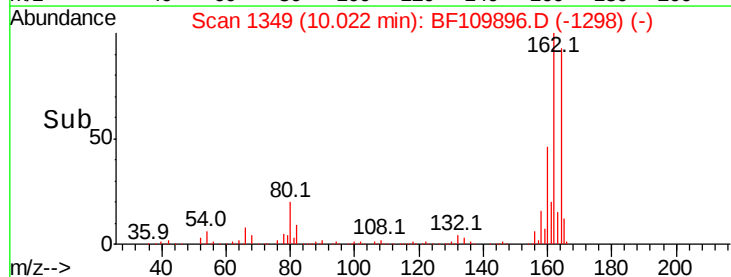
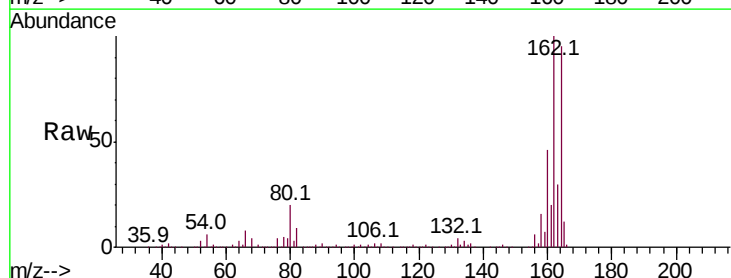
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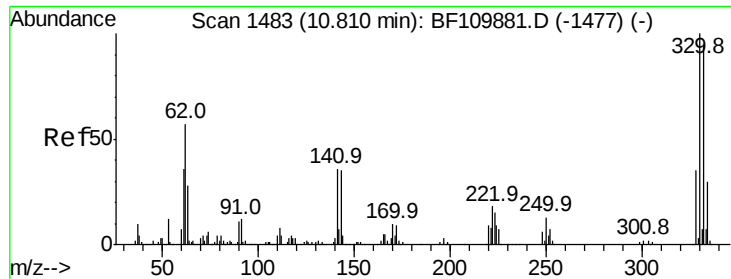
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.02 min Scan# 1349
 Delta R.T. 0.00 min
 Lab File: BF109896.D
 Acq: 15 Oct 2018 23:01

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.4	83.0	124.6
160	48.3	37.0	55.6





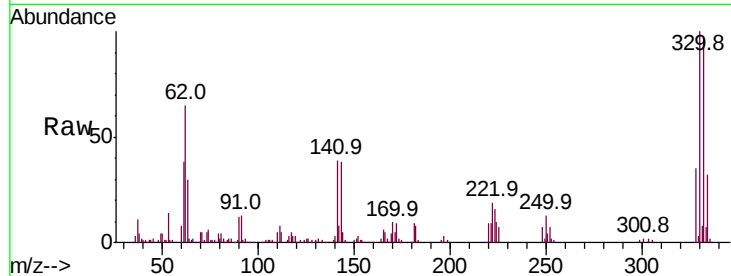
#42
 2,4,6-Tribromophenol
 Concen: 29.066 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.01 min
 Lab File: BF109896.D
 Acq: 15 Oct 2018 23:01

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-18DL

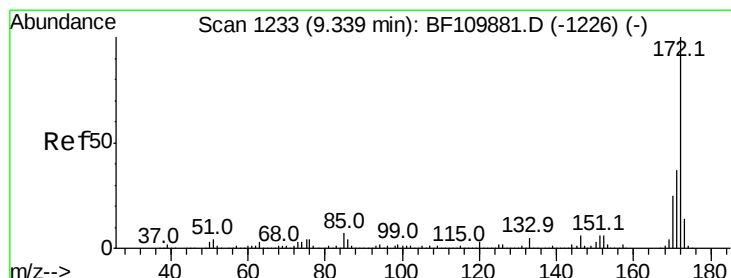
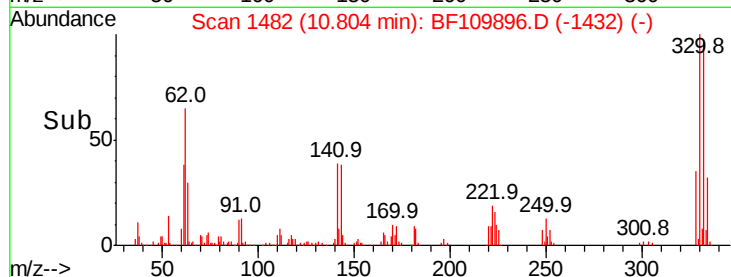
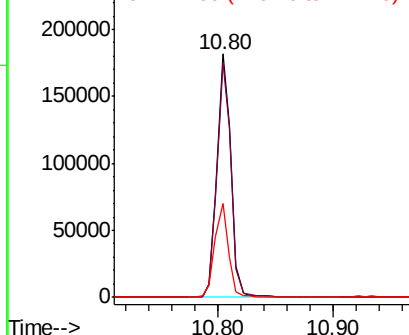
Tot Ion	Ratio	Resp	Lower	Upper
330	100	151912		
332	97.5	77.1	115.7	
141	38.4	27.0	40.4	

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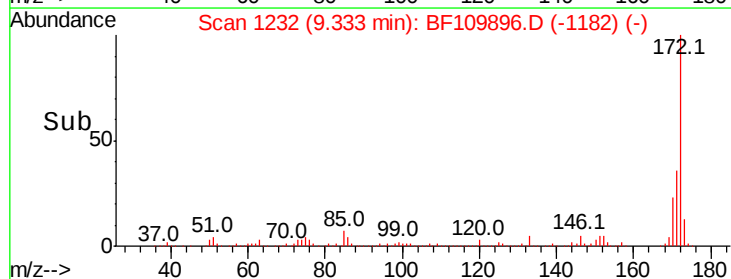
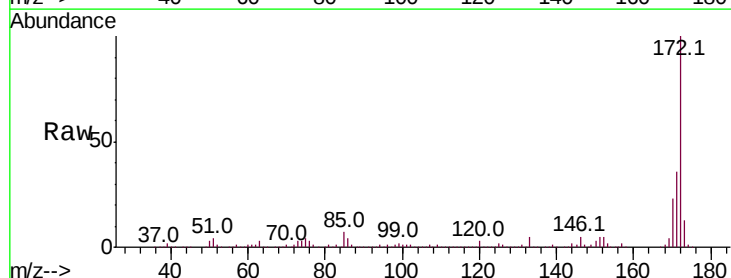
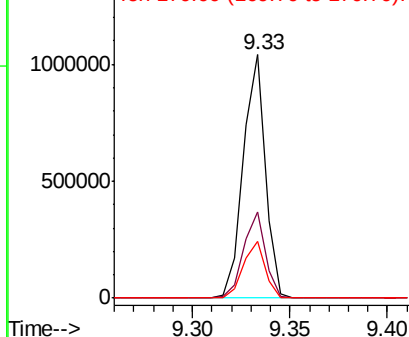
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

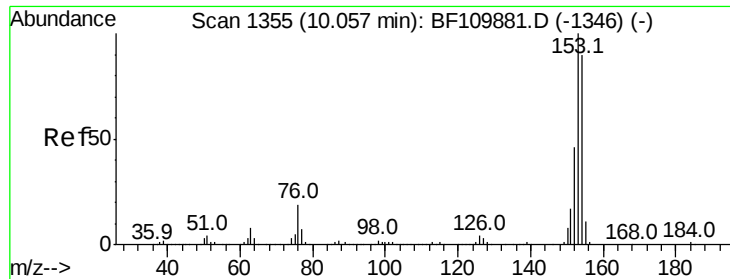


#45
 2-Fluorobiphenyl
 Concen: 21.618 ng
 RT: 9.33 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: BF109896.D
 Acq: 15 Oct 2018 23:01

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	817837		
171	35.6	28.6	43.0	
170	23.4	19.7	29.5	

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





#52

Acenaphthene

Concen: 2.990 ng

RT: 10.05 min Scan# 1354

Delta R.T. -0.01 min

Lab File: BF109896.D

Acq: 15 Oct 2018 23:01

Instrument :

BNA_F

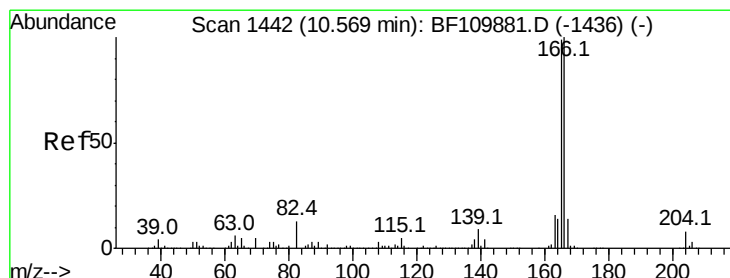
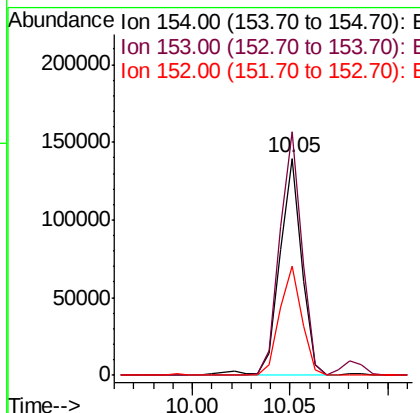
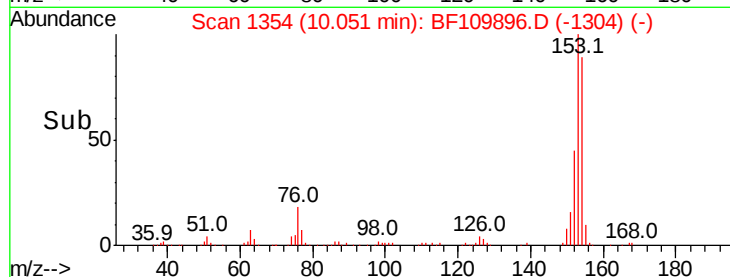
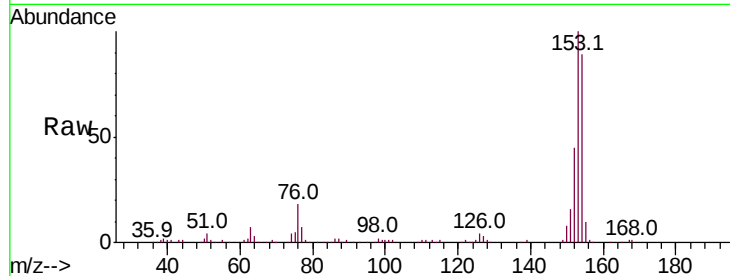
ClientSampleId :

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Tot Ion:	154	Resp:	109561
Ion Ratio	Lower	Upper	
154	100		
153	112.1	90.1	135.1
152	50.0	43.4	65.2

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#58

Fluorene

Concen: 2.329 ng

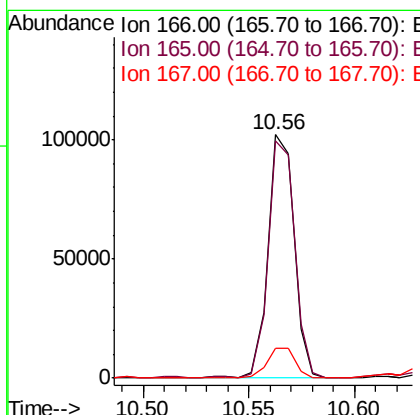
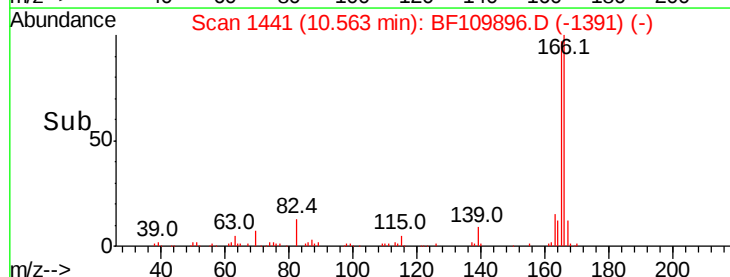
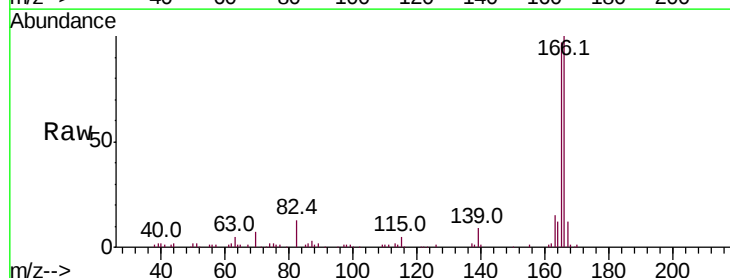
RT: 10.56 min Scan# 1441

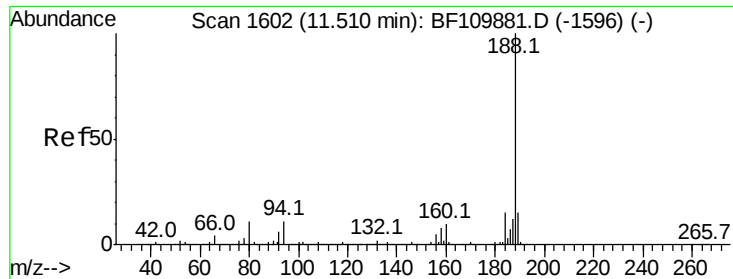
Delta R.T. -0.01 min

Lab File: BF109896.D

Acq: 15 Oct 2018 23:01

Tgt Ion:	166	Resp:	88593
Ion Ratio	Lower	Upper	
166	100		
165	97.3	78.6	117.8
167	12.4	10.8	16.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.51 min Scan# 1602

Delta R.T. 0.00 min

Lab File: BF109896.D

Acq: 15 Oct 2018 23:01

Instrument :

BNA_F

ClientSampleId :

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Tot Ion:188 Resp: 1037348

Ion Ratio Lower Upper

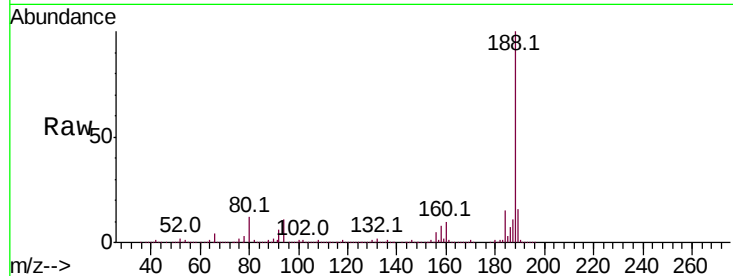
188 100

94 11.0 7.2 10.8#

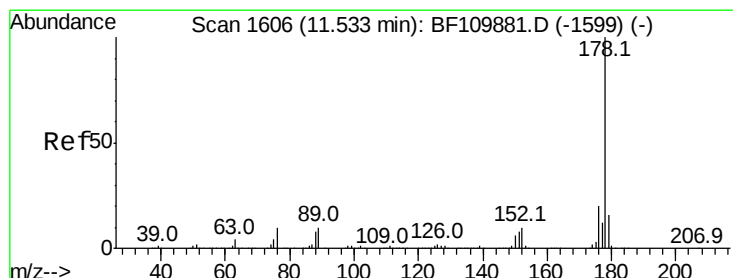
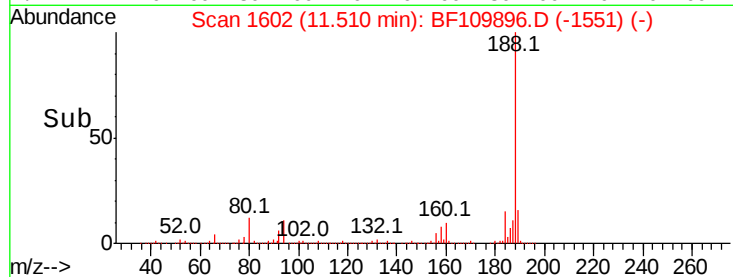
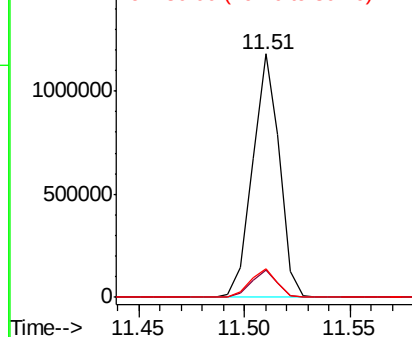
80 11.6 7.9 11.9

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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



#71

Phenanthrene

Concen: 20.401 ng

RT: 11.53 min Scan# 1606

Delta R.T. 0.00 min

Lab File: BF109896.D

Acq: 15 Oct 2018 23:01

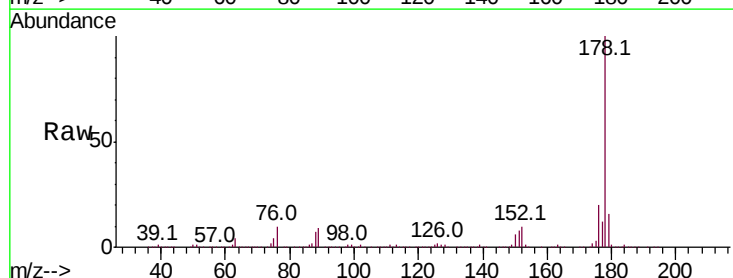
Tgt Ion:178 Resp: 1095635

Ion Ratio Lower Upper

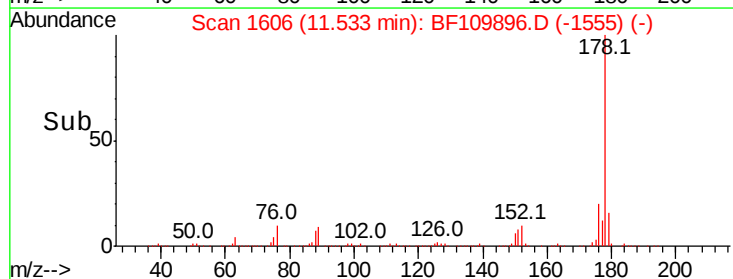
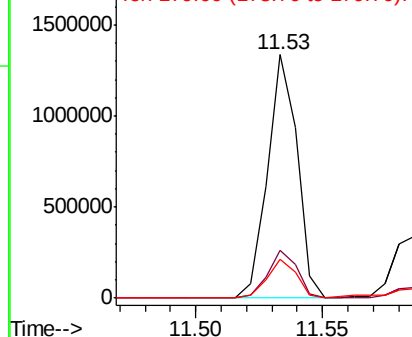
178 100

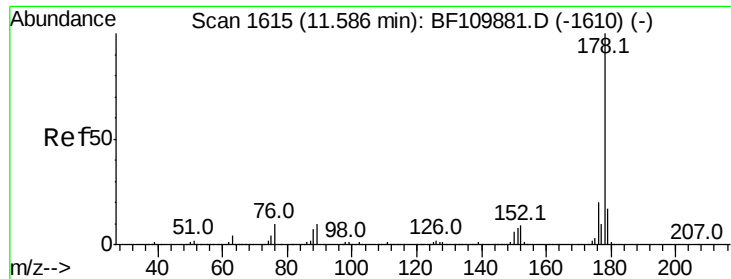
176 19.6 15.5 23.3

179 15.8 12.5 18.7



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

Anthracene

Concen: 5.454 ng

RT: 11.59 min Scan# 1615

Delta R.T. 0.00 min

Lab File: BF109896.D

Acq: 15 Oct 2018 23:01

Instrument :

BNA_F

ClientSampleId :

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Tot Ion:178 Resp: 294477

Ion Ratio Lower Upper

178 100

176 17.8 15.4 23.2

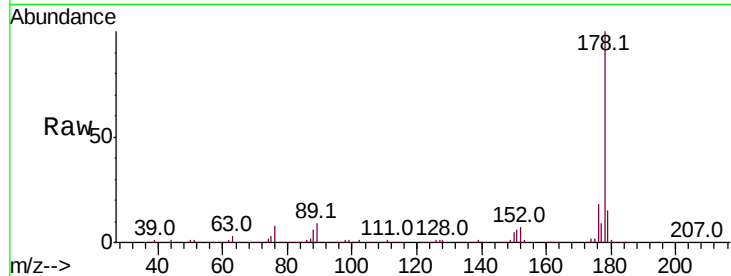
179 15.4 12.6 18.8

Manual Integrations

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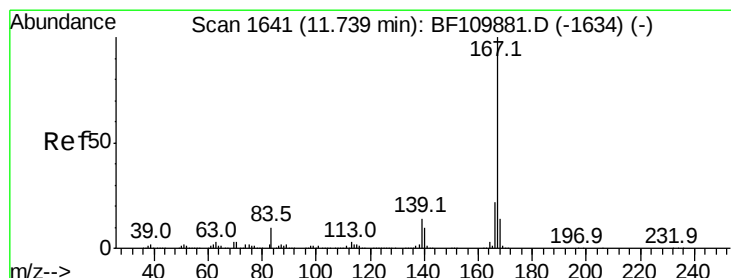
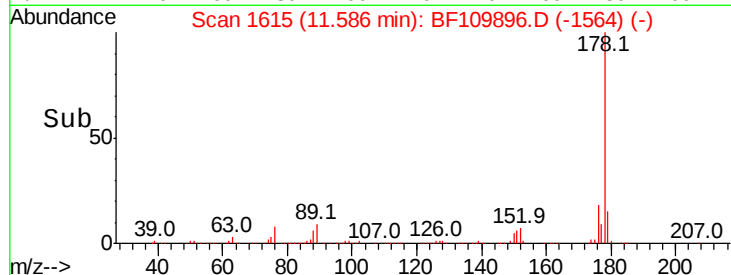
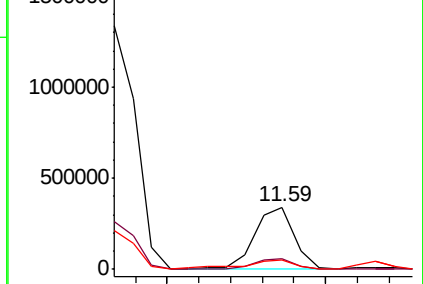
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 2.343 ng

RT: 11.73 min Scan# 1640

Delta R.T. -0.01 min

Lab File: BF109896.D

Acq: 15 Oct 2018 23:01

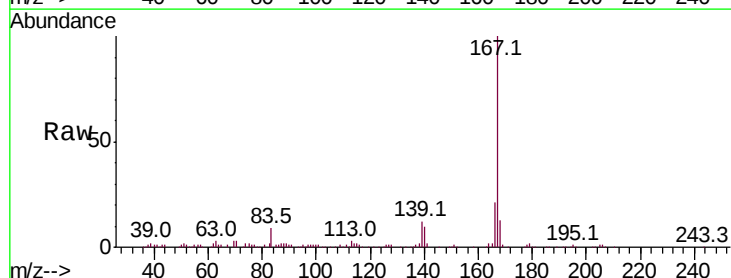
Tgt Ion:167 Resp: 124345

Ion Ratio Lower Upper

167 100

166 20.6 17.4 26.0

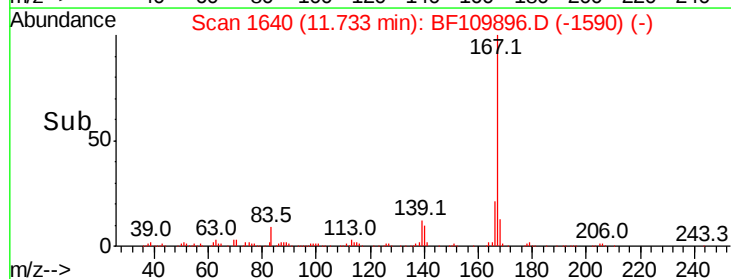
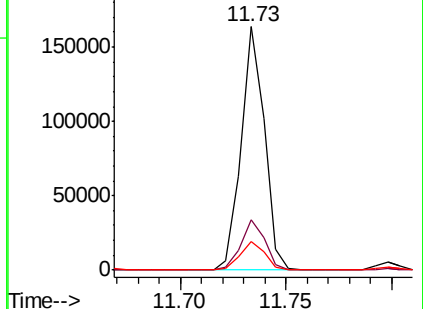
139 11.9 10.9 16.3

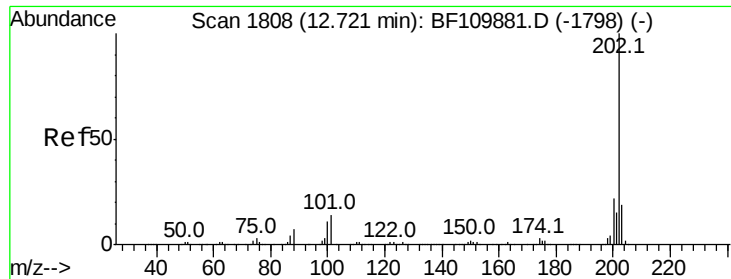


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 29.321 ng

RT: 12.73 min Scan# 1809

Delta R.T. 0.01 min

Lab File: BF109896.D

Acq: 15 Oct 2018 23:01

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-18DL

Tot Ion:202 Resp: 1573038

Ion Ratio Lower Upper

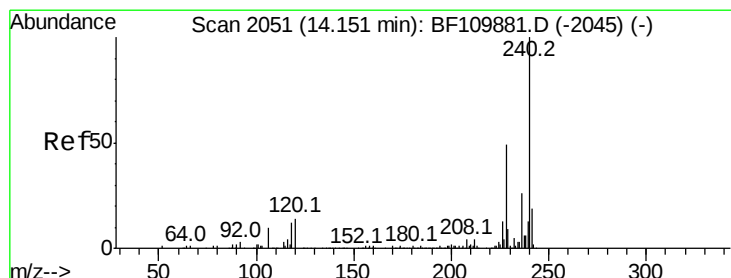
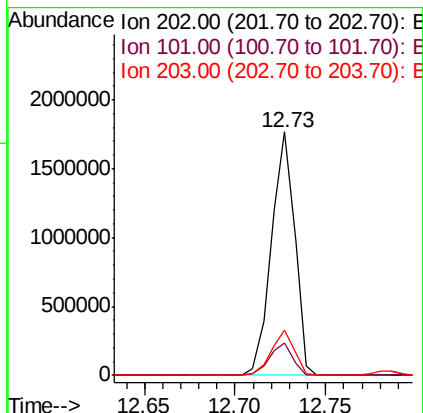
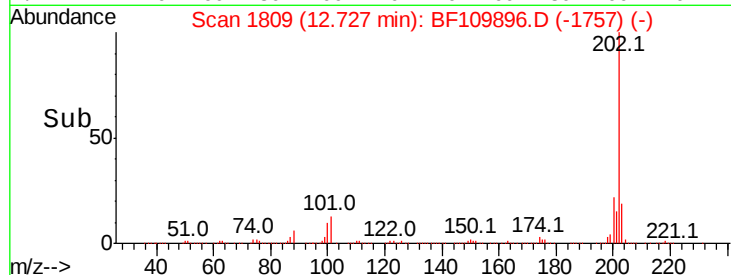
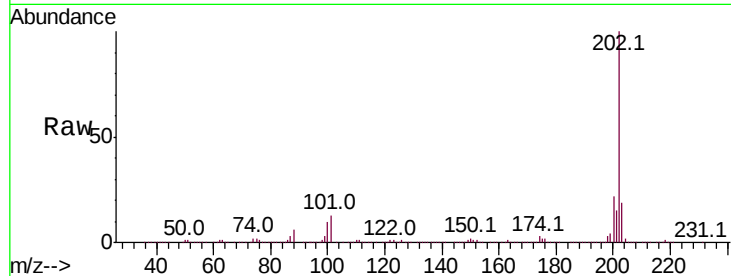
202 100

101 13.4 0.0 31.4

203 18.7 0.0 37.7

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#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2052

Delta R.T. 0.01 min

Lab File: BF109896.D

Acq: 15 Oct 2018 23:01

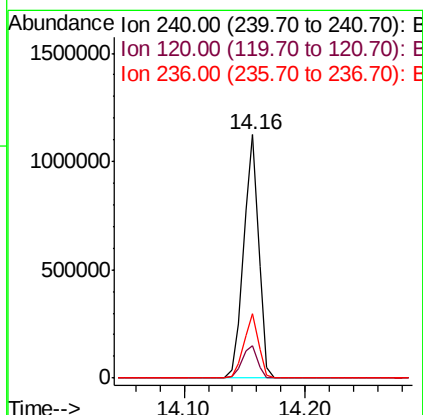
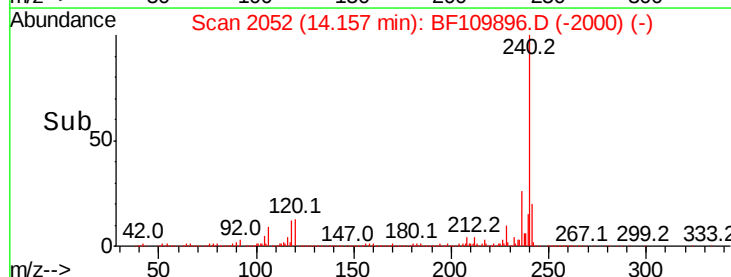
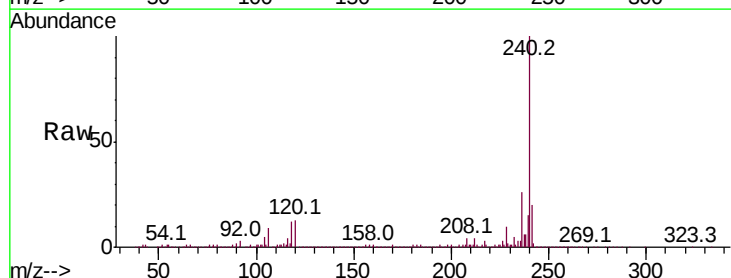
Tgt Ion:240 Resp: 978029

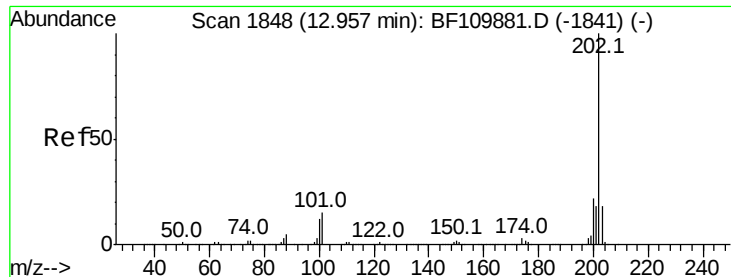
Ion Ratio Lower Upper

240 100

120 13.2 8.3 12.5#

236 26.2 21.2 31.8





#78

Pvrene

Concen: 20.946 ng

RT: 12.96 min Scan# 1848

Delta R.T. 0.00 min

Lab File: BF109896.D

Acq: 15 Oct 2018 23:01

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-18DL

Tot Ion:202 Resp: 1504638

Ion Ratio Lower Upper

202 100

200 21.7 17.8 26.6

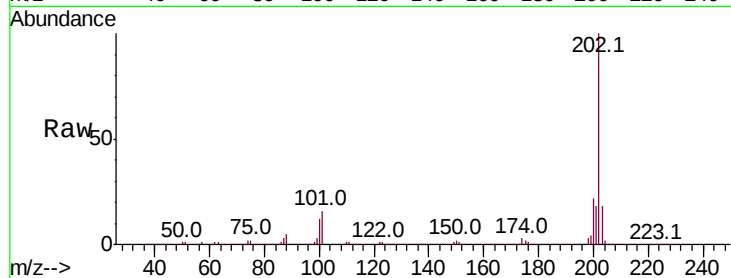
203 18.2 14.2 21.4

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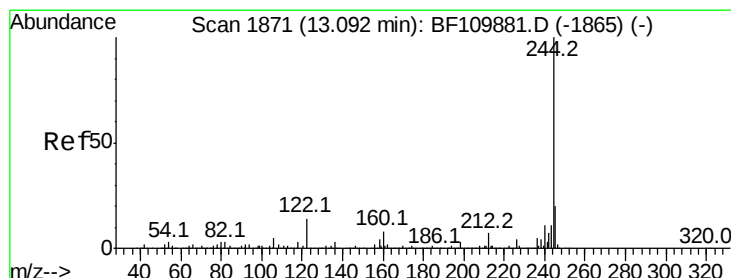
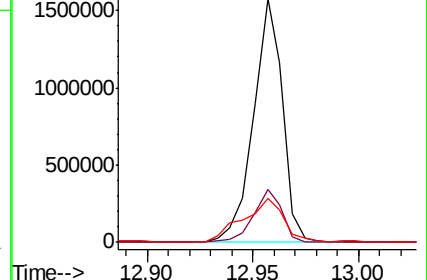
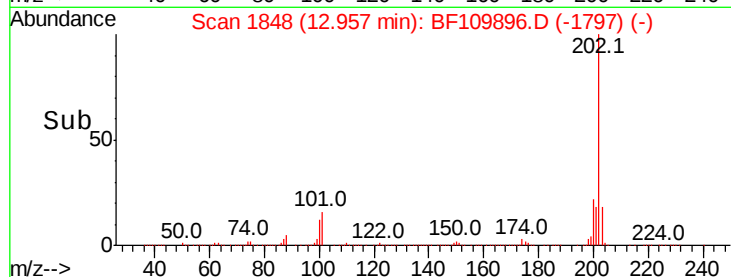
10/16/2018 9:57:44 AM



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



#79

Terphenyl-d14

Concen: 15.550 ng

RT: 13.09 min Scan# 1871

Delta R.T. 0.00 min

Lab File: BF109896.D

Acq: 15 Oct 2018 23:01

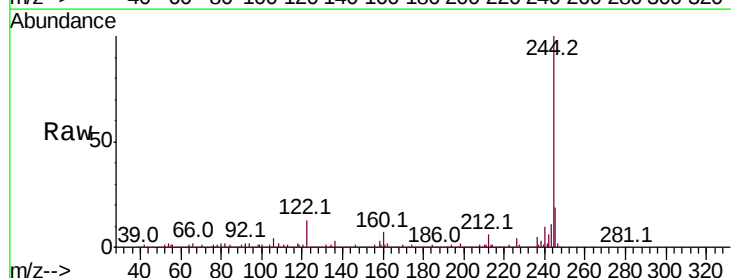
Tgt Ion:244 Resp: 724212

Ion Ratio Lower Upper

244 100

212 6.1 5.8 8.8

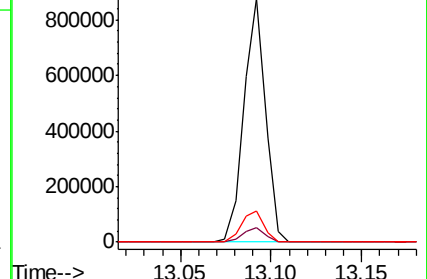
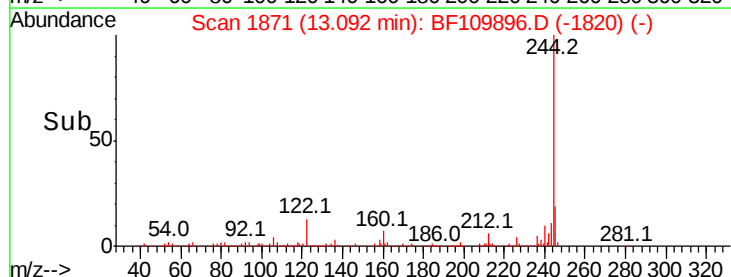
122 12.8 8.7 13.1

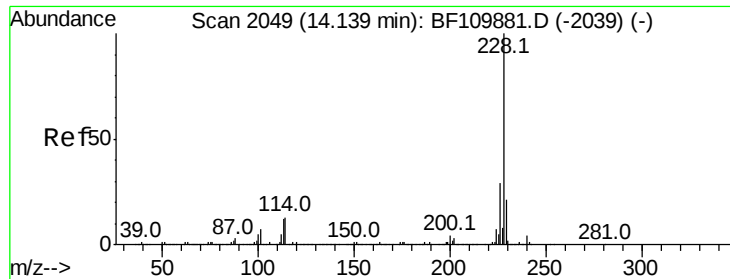


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





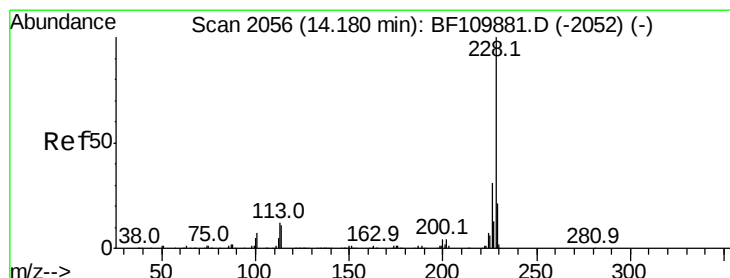
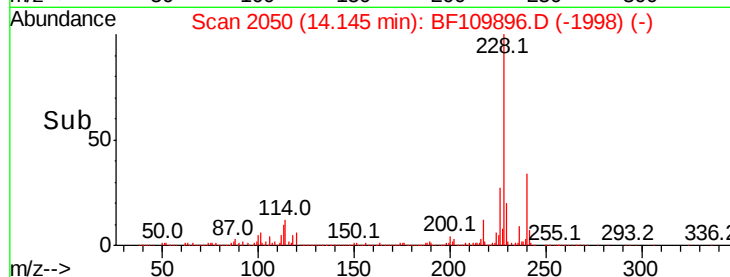
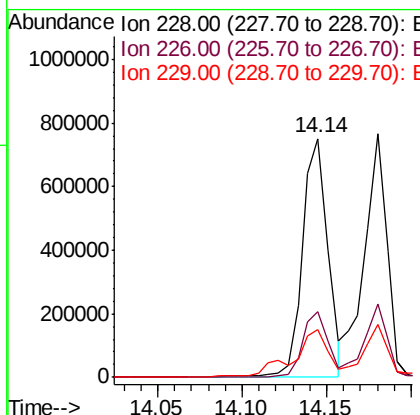
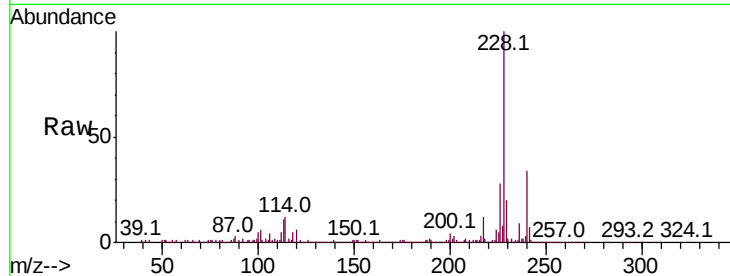
#81
Benzo(a)anthracene
Concen: 13.492 ng
RT: 14.14 min Scan# 2050
Delta R.T. 0.01 min
Lab File: BF109896.D
Acq: 15 Oct 2018 23:01

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-18DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.1	33.1
229	20.1	15.6	23.4

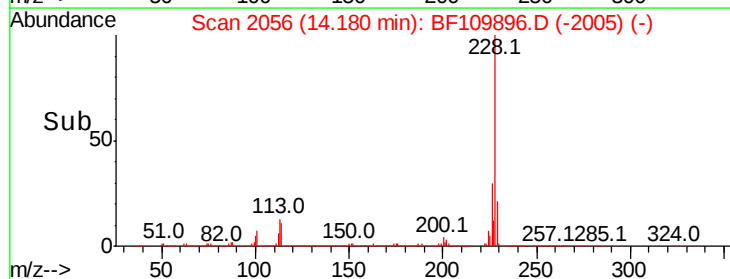
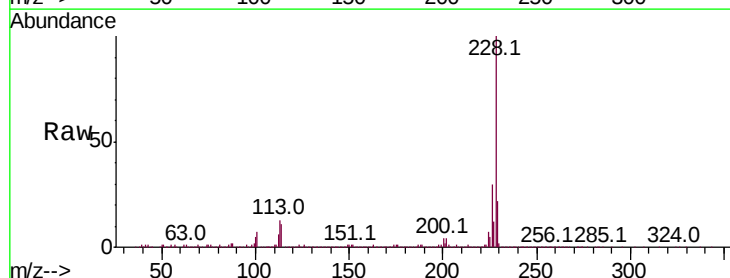
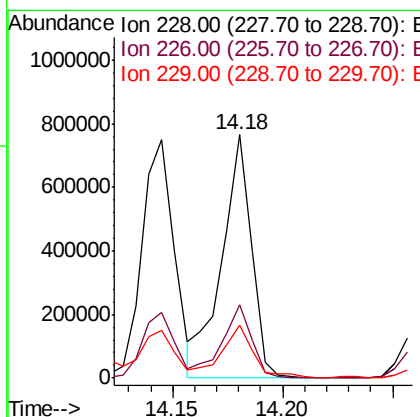
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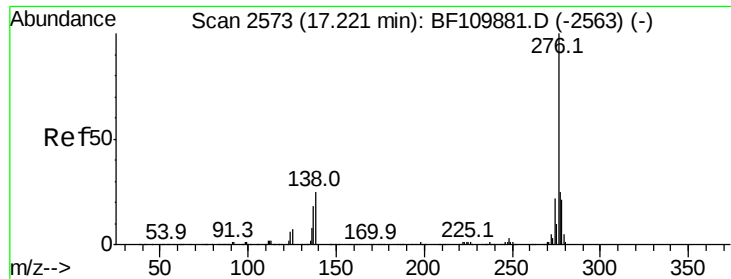
Sohil
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#83
Chrysene
Concen: 13.158 ng m
RT: 14.18 min Scan# 2056
Delta R.T. 0.00 min
Lab File: BF109896.D
Acq: 15 Oct 2018 23:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.7	37.1
229	21.8	15.9	23.9





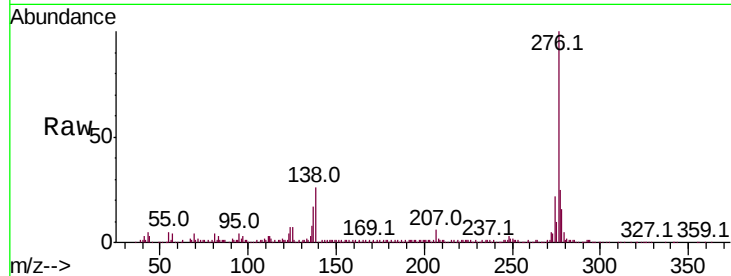
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 5.574 ng
 RT: 17.23 min Scan# 2574
 Delta R.T. 0.01 min
 Lab File: BF109896.D
 Acq: 15 Oct 2018 23:01

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-18DL

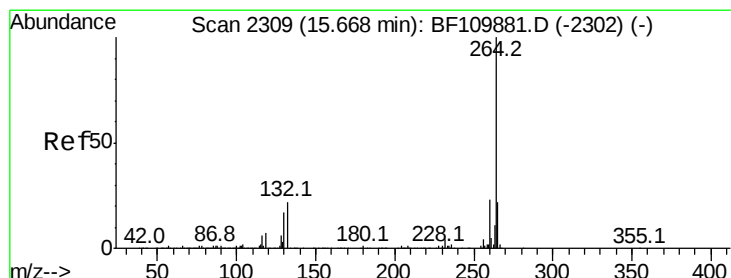
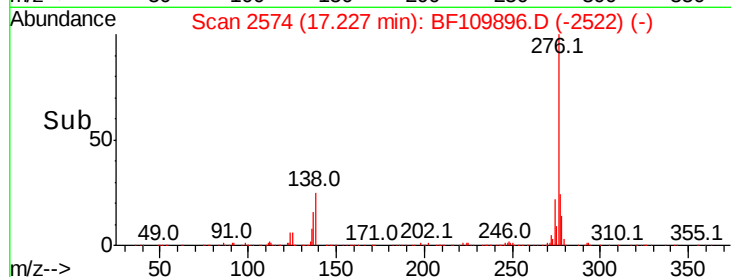
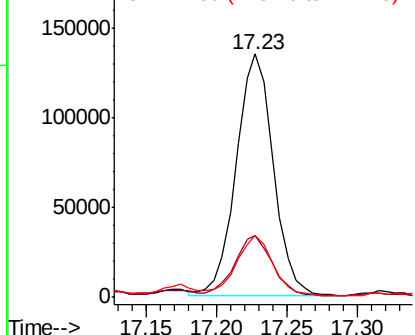
Tot Ion	Ratio	Lower	Upper
276	100		
138	25.5	18.5	27.7
277	24.6	20.0	30.0

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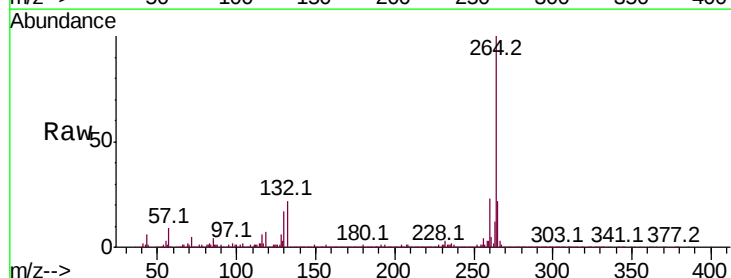


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

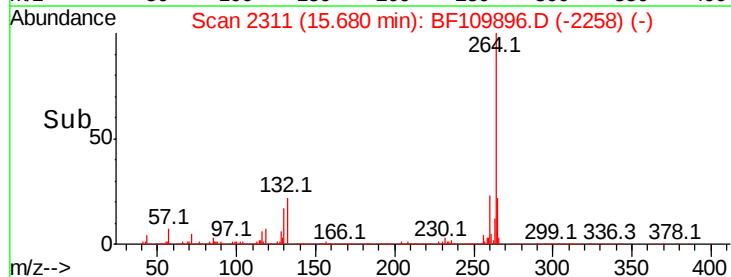
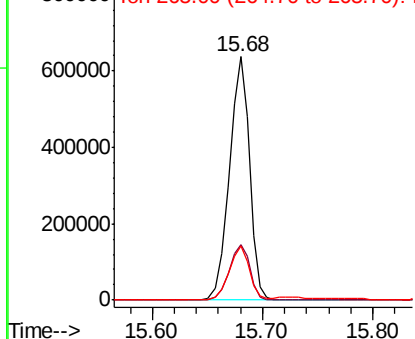


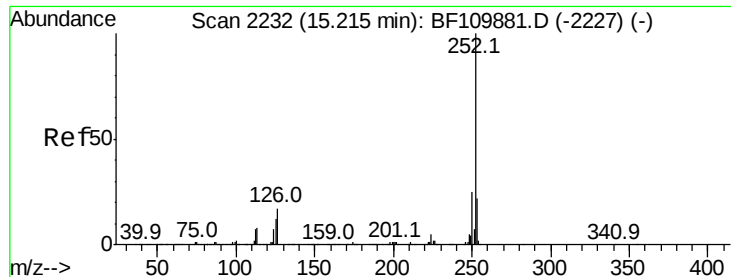
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.68 min Scan# 2311
 Delta R.T. 0.01 min
 Lab File: BF109896.D
 Acq: 15 Oct 2018 23:01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.7	28.1
265	22.0	16.7	25.1



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





#88

Benzo(b)fluoranthene

Concen: 14.834 ng m

RT: 15.22 min Scan# 2233

Delta R.T. 0.01 min

Lab File: BF109896.D

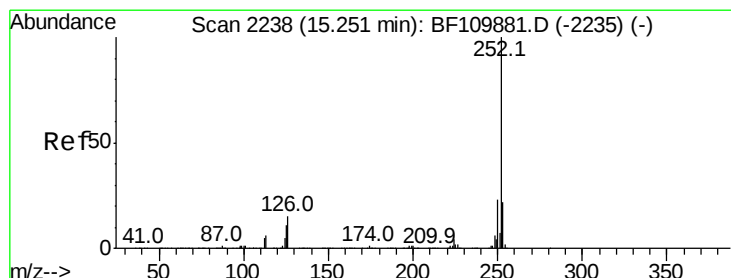
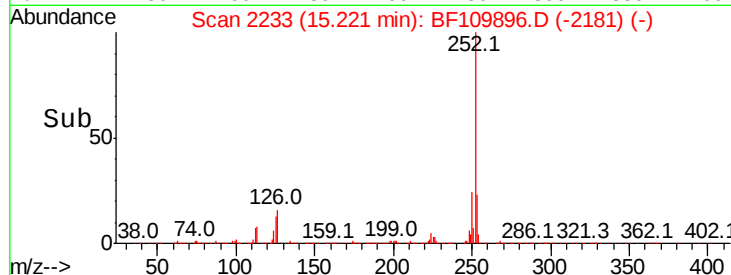
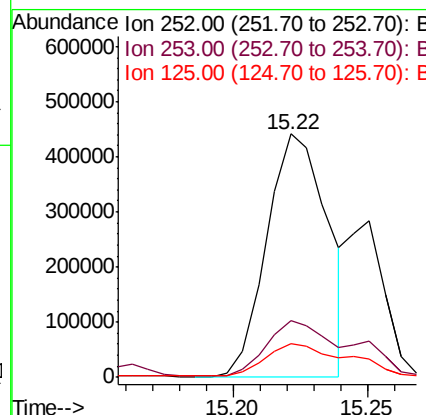
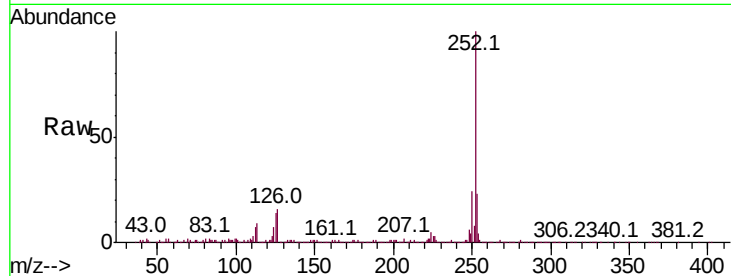
Acq: 15 Oct 2018 23:01

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-18DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.2	25.8
125	13.7	8.2	12.4

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#89

Benzo(k)fluoranthene

Concen: 5.731 ng m

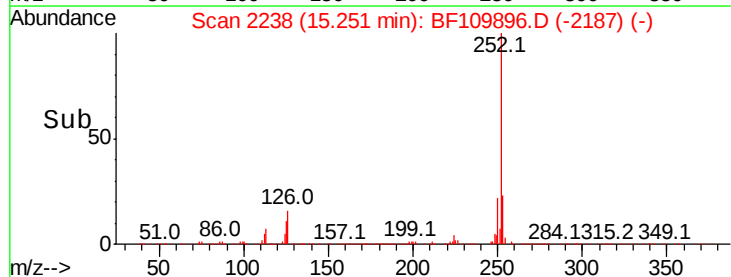
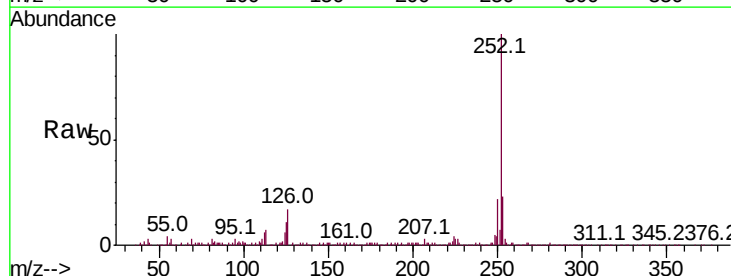
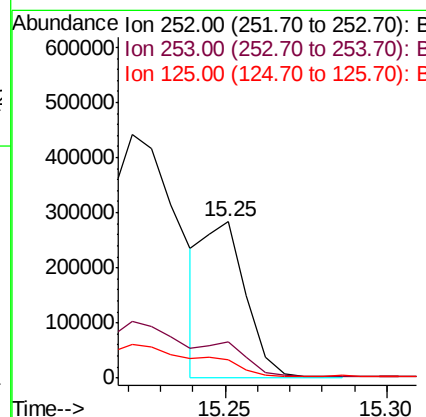
RT: 15.25 min Scan# 2238

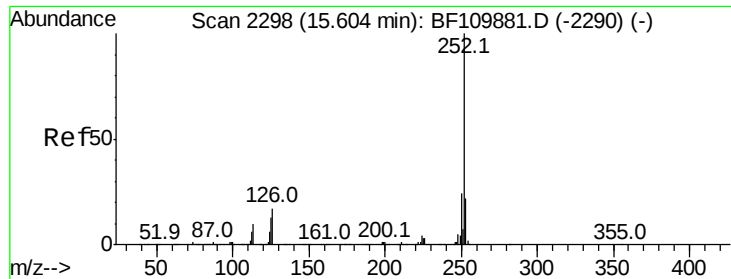
Delta R.T. 0.00 min

Lab File: BF109896.D

Acq: 15 Oct 2018 23:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.2	25.8
125	11.5	7.4	11.0





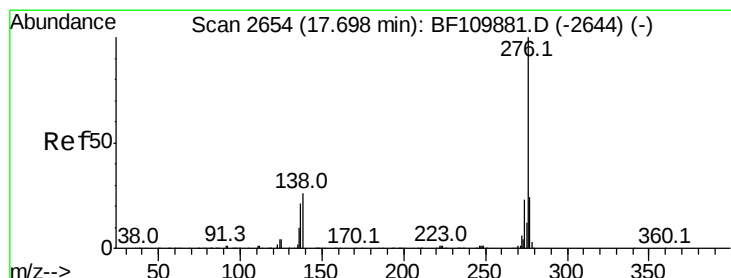
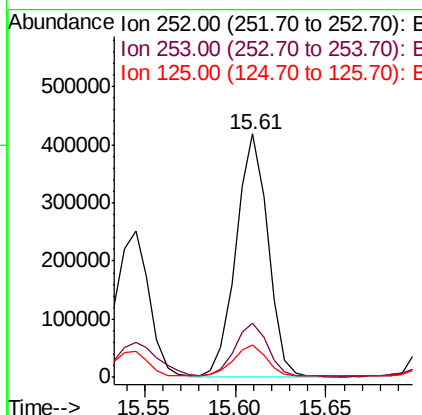
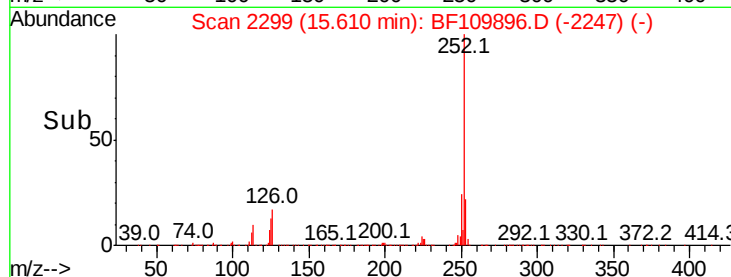
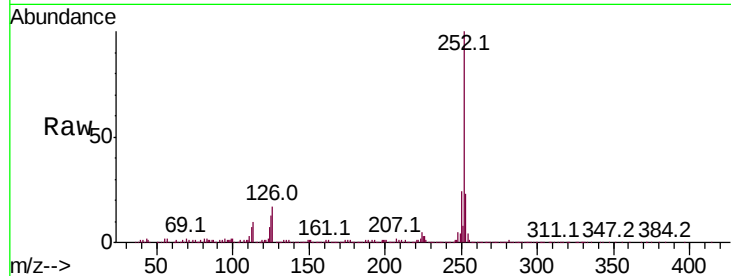
#90
Benzo(a)pyrene
Concen: 11.825 ng
RT: 15.61 min Scan# 2299
Delta R.T. 0.01 min
Lab File: BF109896.D
Acq: 15 Oct 2018 23:01

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-18DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.4
125	13.4	9.0	13.6

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#92
Benzo(g,h,i)perylene
Concen: 6.003 ng
RT: 17.70 min Scan# 2655
Delta R.T. 0.01 min
Lab File: BF109896.D
Acq: 15 Oct 2018 23:01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.8	28.2
138	26.0	16.0	24.0

