

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101218\
 Data File : BF109848.D
 Acq On : 12 Oct 2018 21:51
 Operator : JU/SJ
 Sample : J5314-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-20

Manual Integrations
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Sohil
 10/15/2018 10:28:44 AM

Quant Time: Oct 15 07:05:45 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 08 16:02:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	87397	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	349759	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	142549	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	226358	20.00	ng	0.00
75) Chrysene-d12	13.83	240	191985	20.00	ng	0.00
86) Perylene-d12	15.23	264	149355	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	453758	92.16	ng	0.00
7) Phenol-d6	6.35	99	619740	94.22	ng	-0.01
23) Nitrobenzene-d5	7.26	82	405073	63.84	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	111286	71.65	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	614797	59.40	ng	-0.01
78) Terphenyl-d14	12.78	244	408409	41.18	ng	0.00
Target Compounds						
10) Phenol	6.35	94	19535	2.590	ng	Qvalue # 71
49) Dimethylphthalate	9.45	163	77560	7.419	ng	99
70) Phenanthrene	11.22	178	162983	14.388	ng	99
71) Anthracene	11.28	178	66735	5.699	ng	99
74) Fluoranthene	12.41	202	350557	29.623	ng	98
77) Pyrene	12.63	202	301784	21.455	ng	98
80) Benzo(a)anthracene	13.82	228	166040	15.672	ng	97
82) Chrysene	13.86	228	135654	12.190	ng	96
85) Indeno(1,2,3-cd)pyrene	16.58	276	51418	6.455	ng	# 93
87) Benzo(b)fluoranthene	14.84	252	126594m	15.338	ng	
88) Benzo(k)fluoranthene	14.85	252	56501m	6.813	ng	
89) Benzo(a)pyrene	15.17	252	95442	12.743	ng	98
91) Benzo(a,h,i)perylene	16.98	276	50758	8.263	ng	99

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

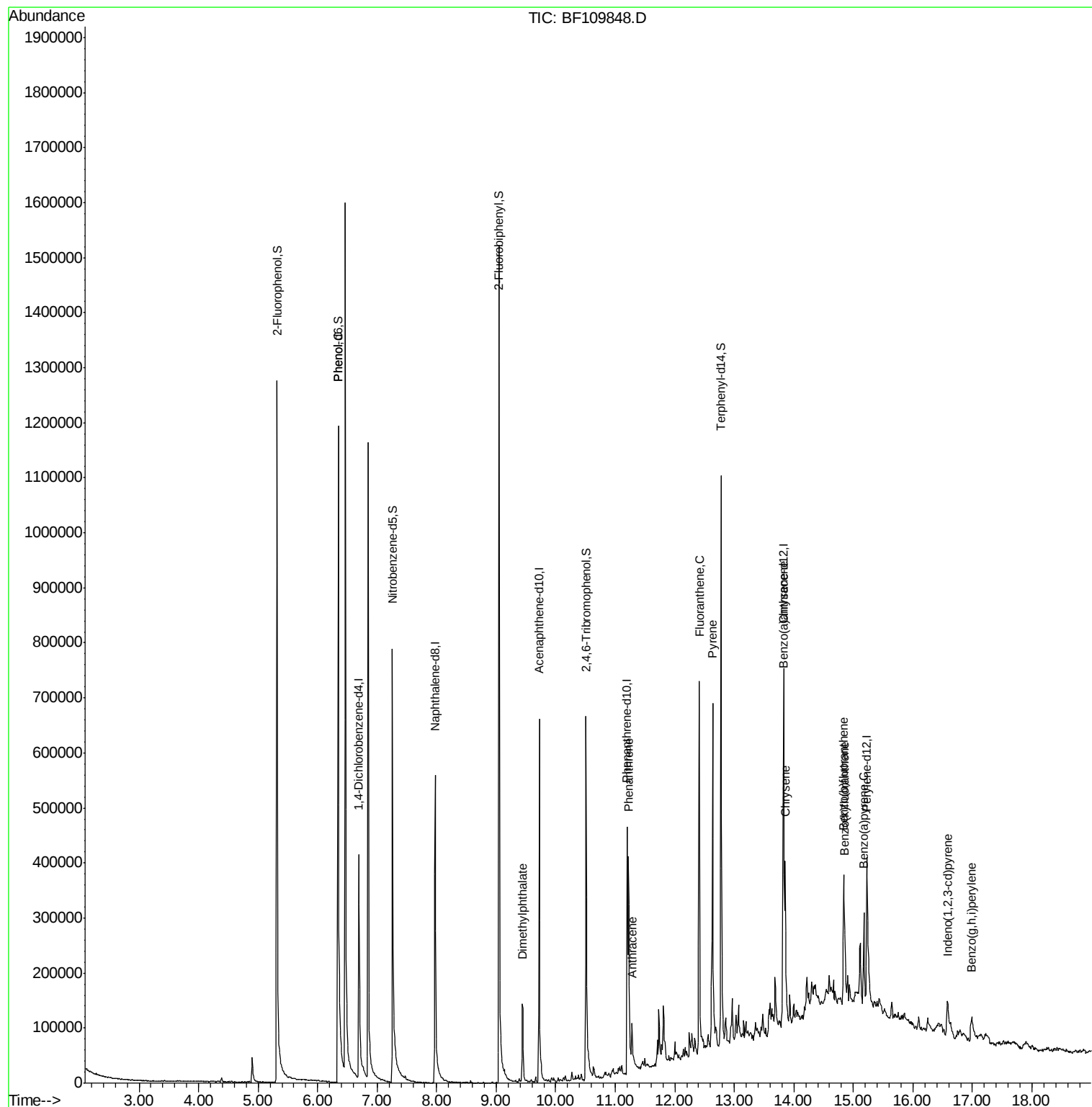
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101218\
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ALS Vial : 24 Sample Multiplier: 1

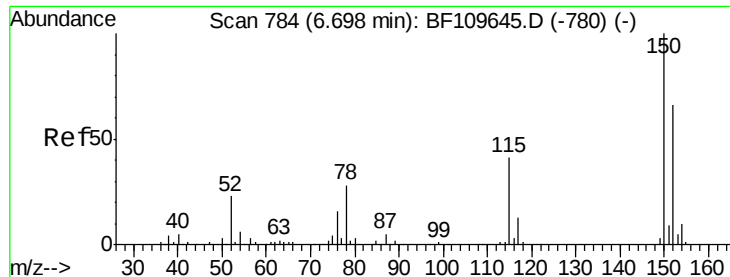
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#1

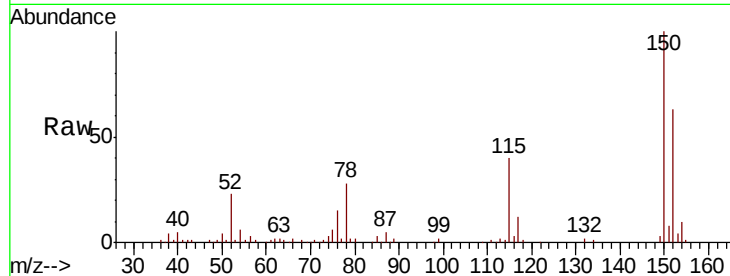
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF109848.D
Acq: 12 Oct 2018 21:51

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-20

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	122.7	184.1
115	63.4	49.1	73.7

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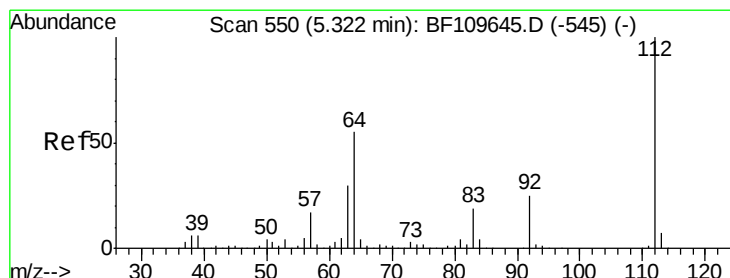
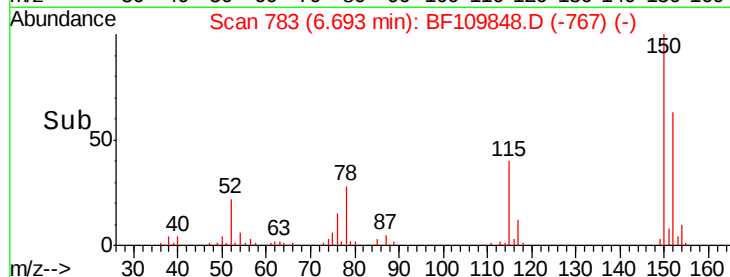
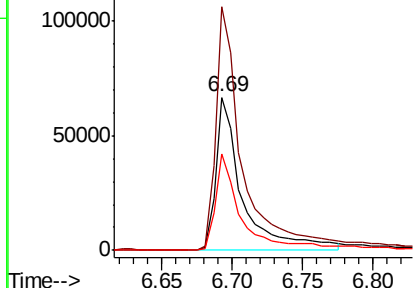


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

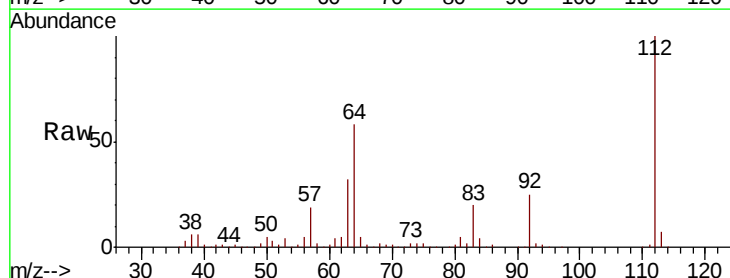
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 92.158 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.00 min
Lab File: BF109848.D
Acq: 12 Oct 2018 21:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.1	44.1	66.1
63	32.0	23.7	35.5

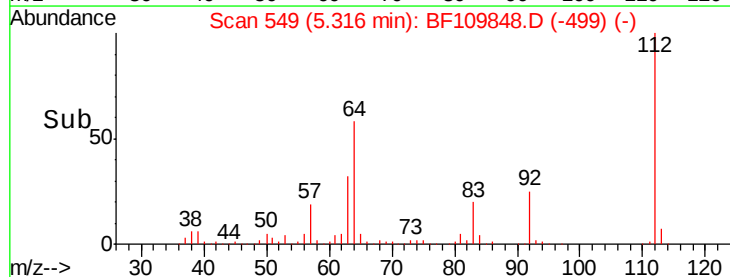
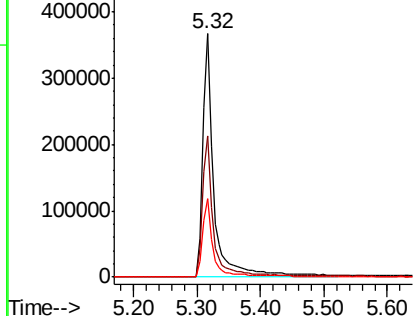


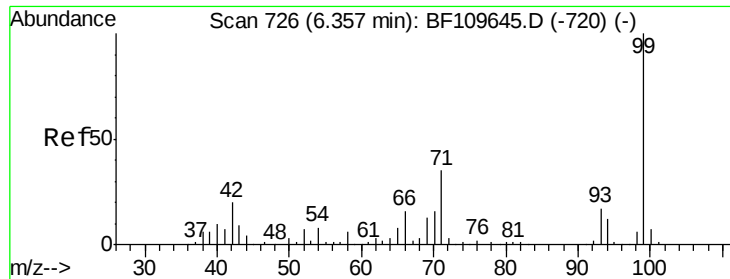
Abundance

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: 94.221 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109848.D

Acq: 12 Oct 2018 21:51

Instrument :

BNA_F

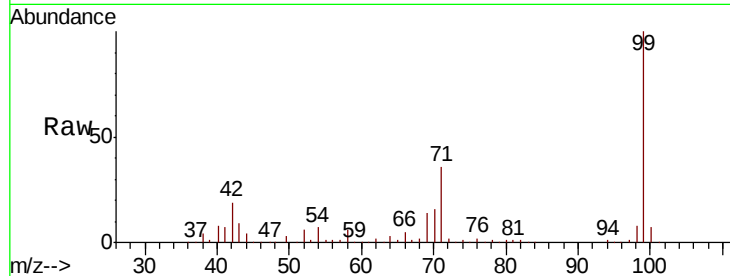
ClientSampleId :

DOCUMENTATION-20

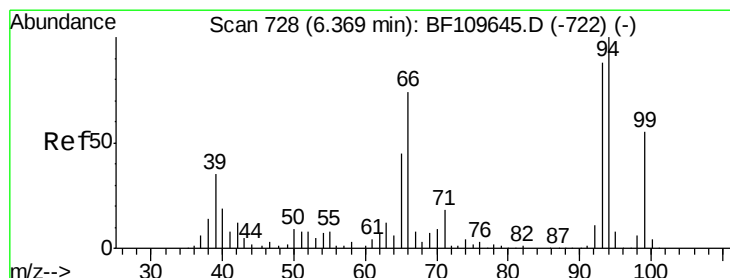
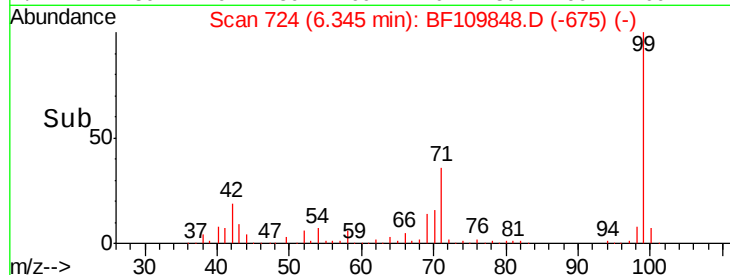
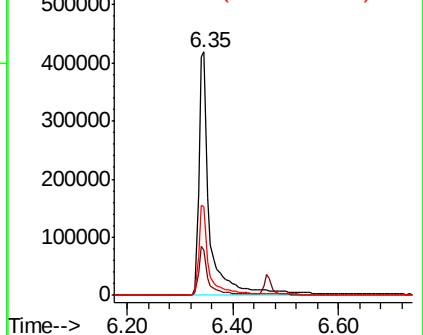
Tot Ion:	99	Resp:	619740
Ion	Ratio	Lower	Upper
99	100		
42	18.6	15.8	23.6
71	36.3	28.0	42.0

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.590 ng

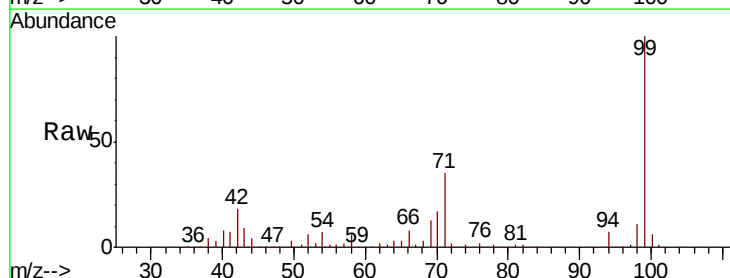
RT: 6.35 min Scan# 725

Delta R.T. -0.02 min

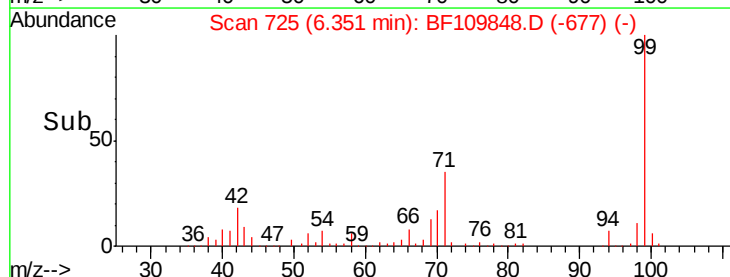
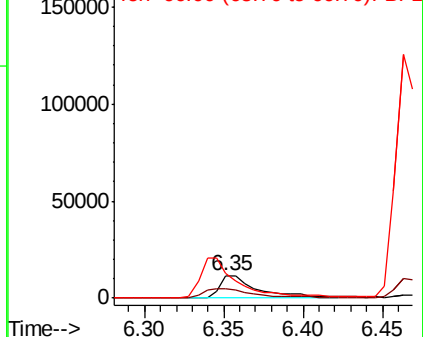
Lab File: BF109848.D

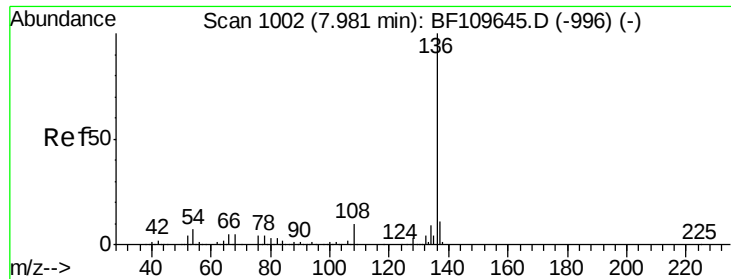
Acq: 12 Oct 2018 21:51

Tgt Ion:	94	Resp:	19535
Ion	Ratio	Lower	Upper
94	100		
65	41.2	25.3	65.3
66	111.4	54.5	94.5#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





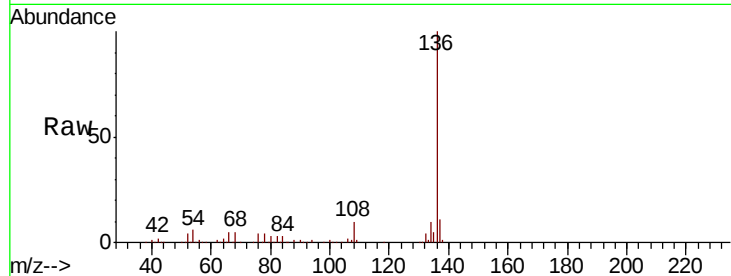
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BF109848.D
Acq: 12 Oct 2018 21:51

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-20

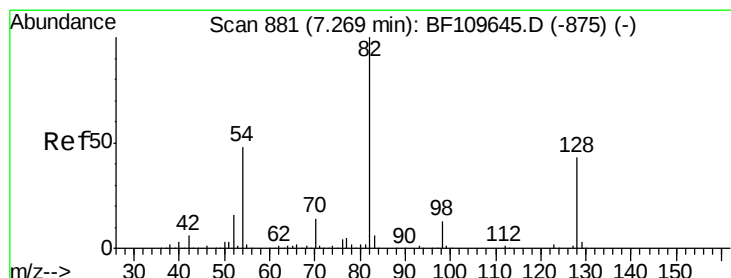
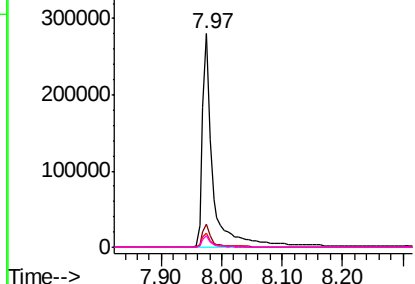
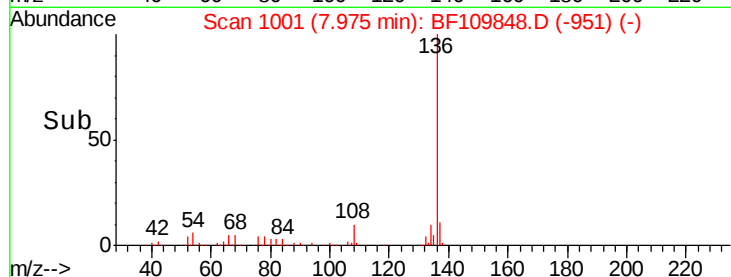
Tot Ion	Ratio	Resp	Lower	Upper
136	100	349759		
137	10.7		8.8	13.2
54	6.3		5.4	8.2
68	5.4		4.2	6.2

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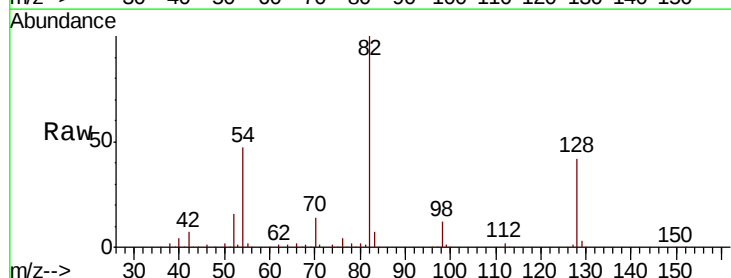


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

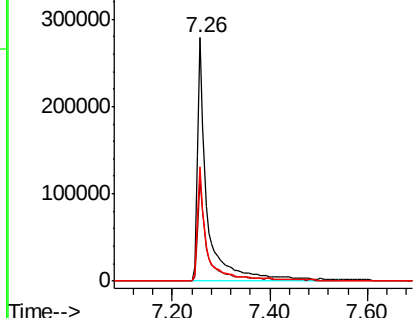
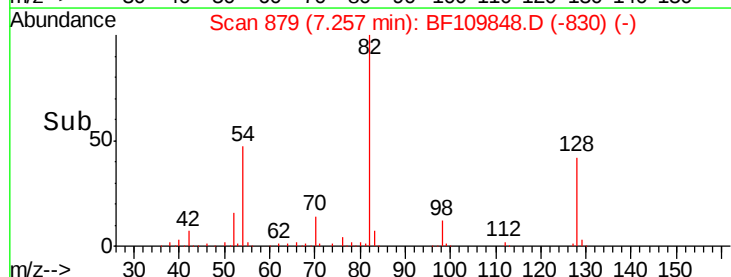


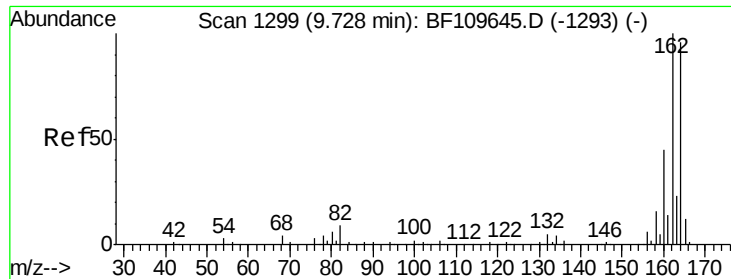
#23
Nitrobenzene-d5
Concen: 63.841 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF109848.D
Acq: 12 Oct 2018 21:51

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	405073		
128	41.9		34.2	51.2
54	47.2		38.6	58.0



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





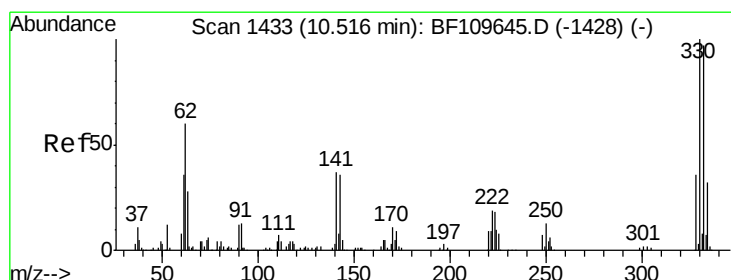
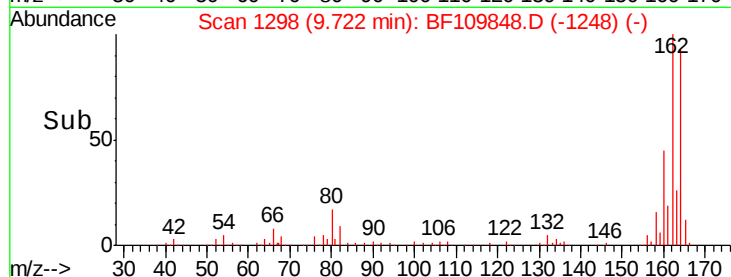
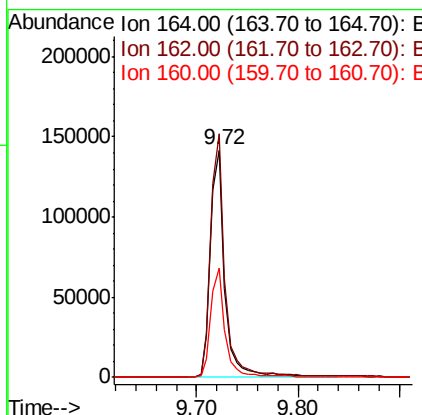
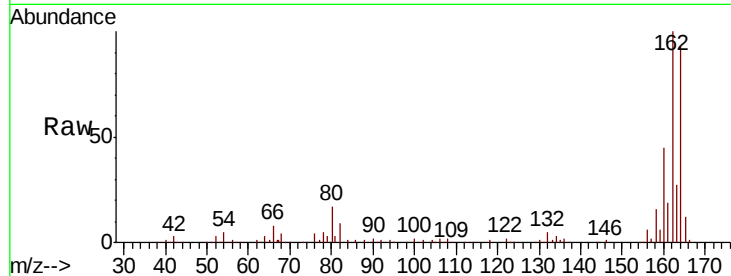
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF109848.D
Acq: 12 Oct 2018 21:51

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-20

Tot Ion	Ratio	Lower	Upper
164	100		
162	107.0	83.0	124.6
160	48.2	37.0	55.6

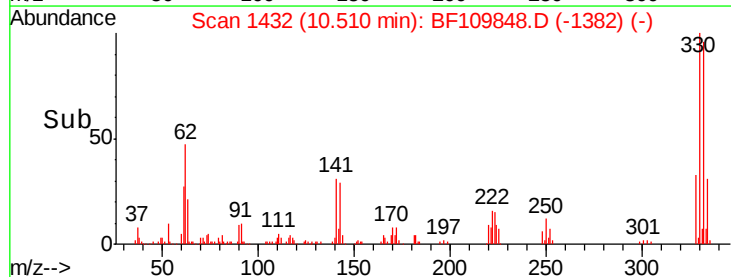
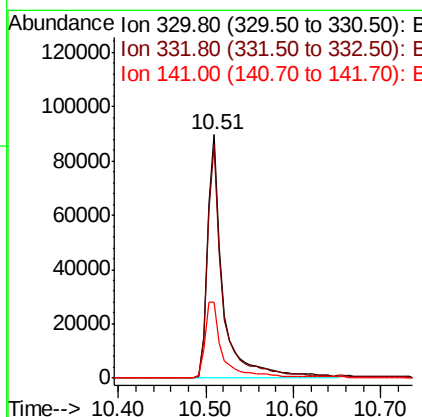
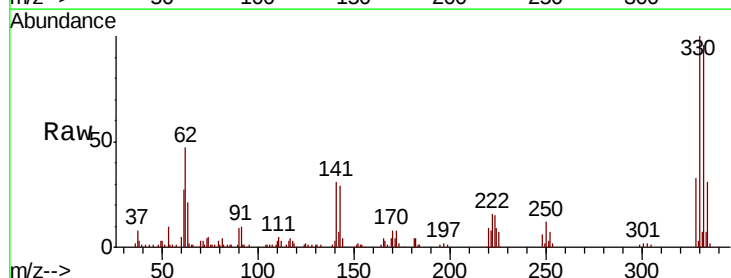
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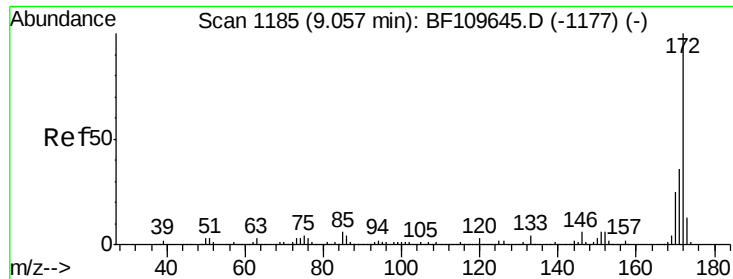
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#41
2,4,6-Tribromophenol
Concen: 71.648 ng
RT: 10.51 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BF109848.D
Acq: 12 Oct 2018 21:51

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.1	115.7
141	35.7	27.0	40.4





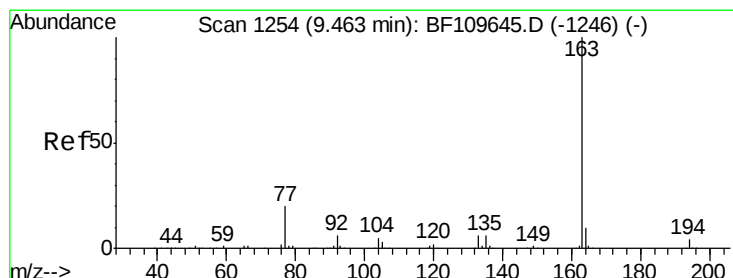
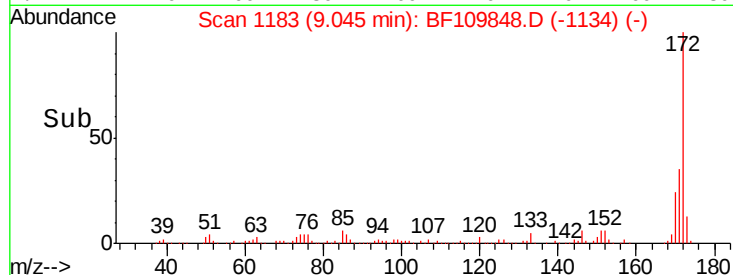
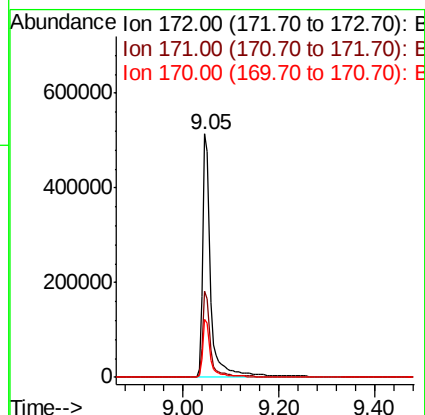
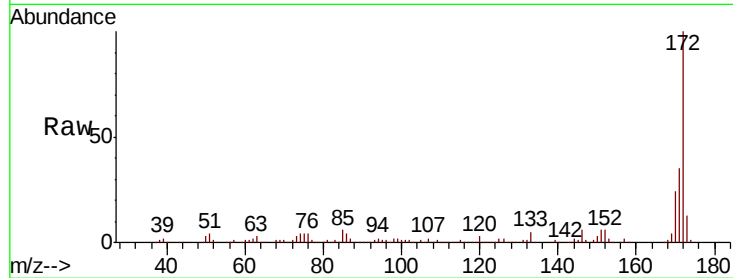
#44
2-Fluorobiphenyl
Concen: 59.399 ng
RT: 9.05 min Scan# 1183
Delta R.T. -0.01 min
Lab File: BF109848.D
Acq: 12 Oct 2018 21:51

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-20

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.6	43.0
170	23.8	19.7	29.5

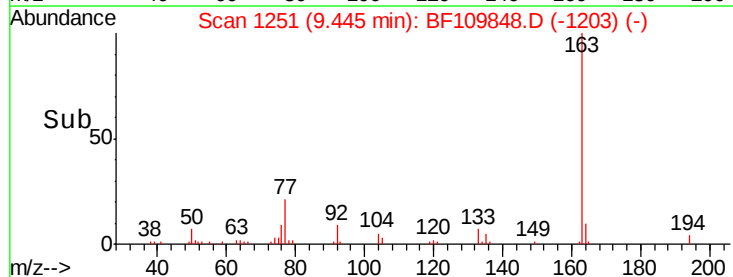
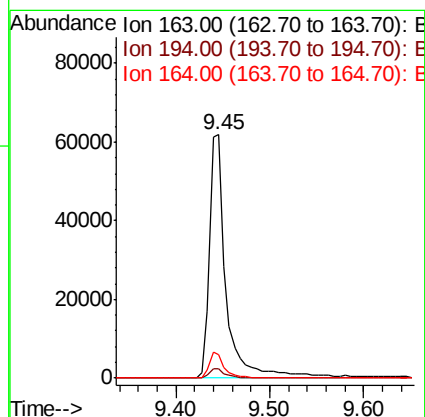
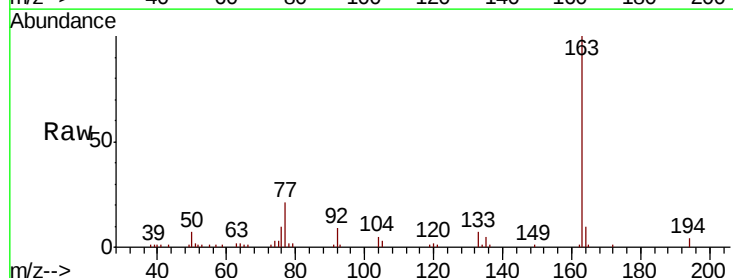
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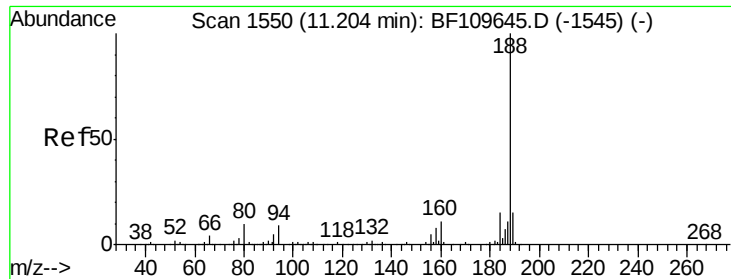
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#49
Dimethylphthalate
Concen: 7.419 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BF109848.D
Acq: 12 Oct 2018 21:51

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.2	4.8
164	9.6	8.1	12.1





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.20 min Scan# 1549

Delta R.T. -0.01 min

Lab File: BF109848.D

Acq: 12 Oct 2018 21:51

Instrument :

BNA_F

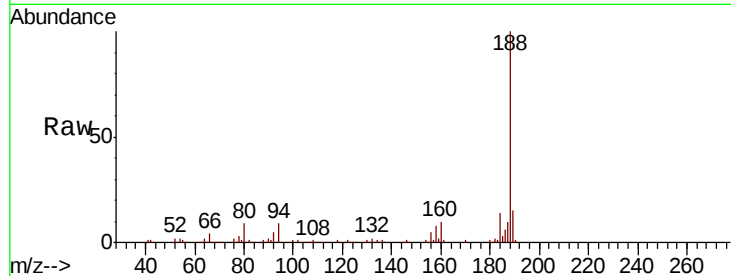
ClientSampleId :

DOCUMENTATION-20

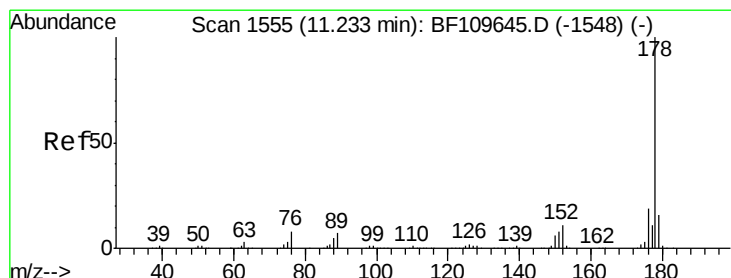
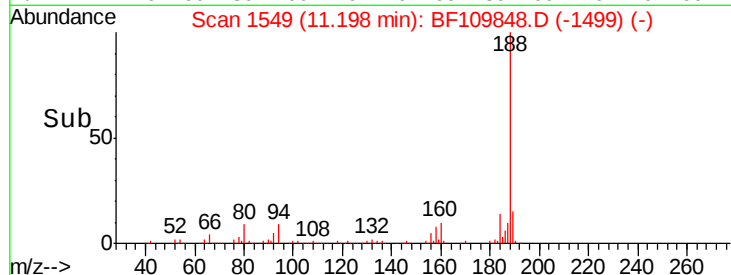
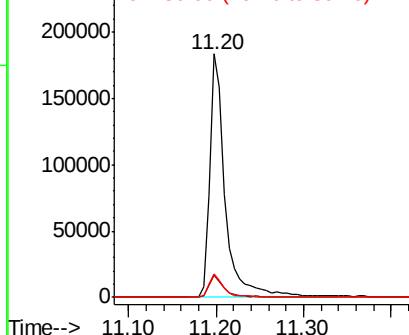
Tot Ion:	188	Resp:	226358
Ion Ratio	Lower	Upper	
188	100		
94	9.2	7.2	10.8
80	9.4	7.9	11.9

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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



#70

Phenanthrene

Concen: 14.388 ng

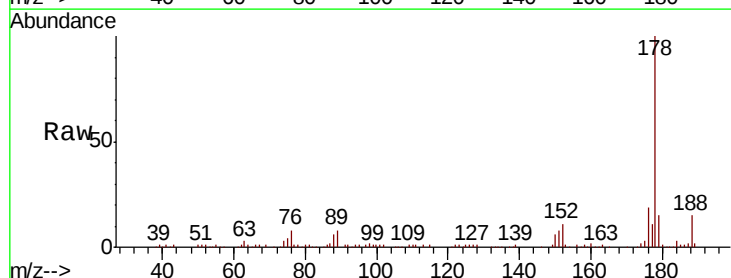
RT: 11.22 min Scan# 1553

Delta R.T. -0.01 min

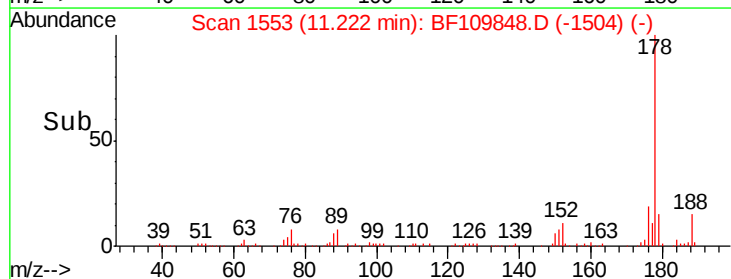
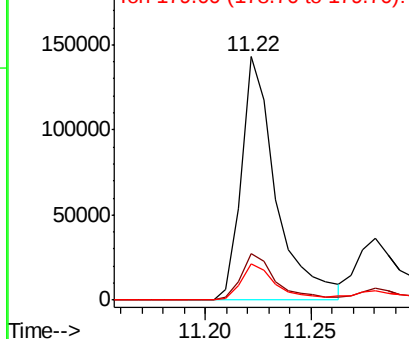
Lab File: BF109848.D

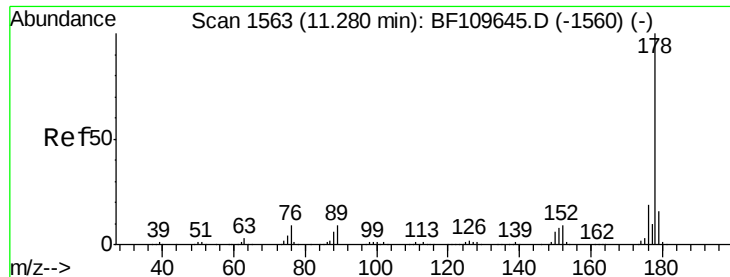
Acq: 12 Oct 2018 21:51

Tgt Ion:	178	Resp:	162983
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.5	23.3
179	15.2	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





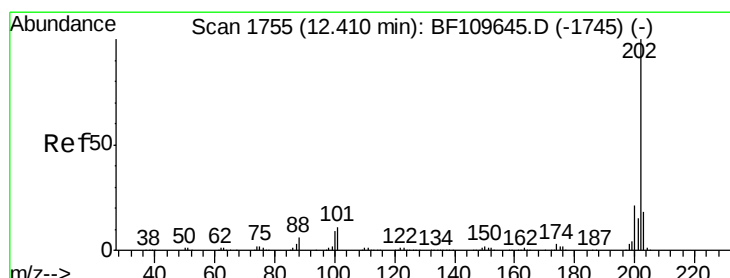
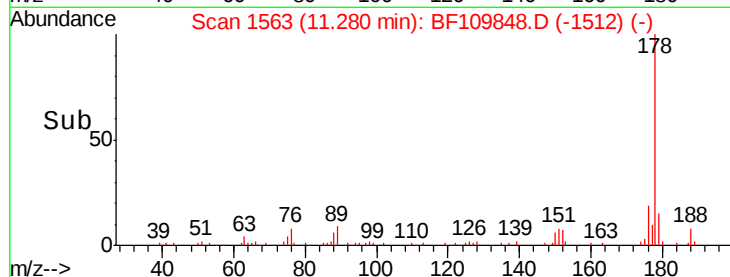
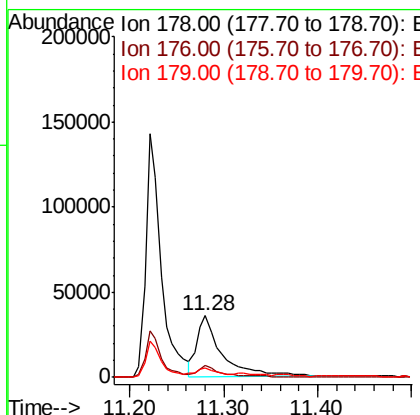
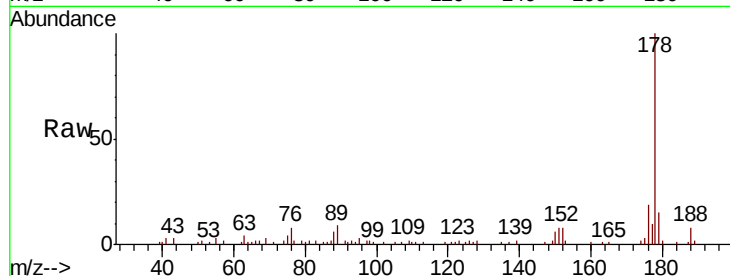
#71
 Anthracene
 Concen: 5.699 ng
 RT: 11.28 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: BF109848.D
 Acq: 12 Oct 2018 21:51

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-20

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	15.4	12.6	18.8

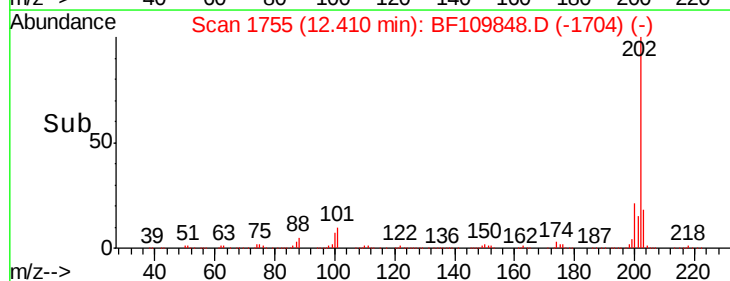
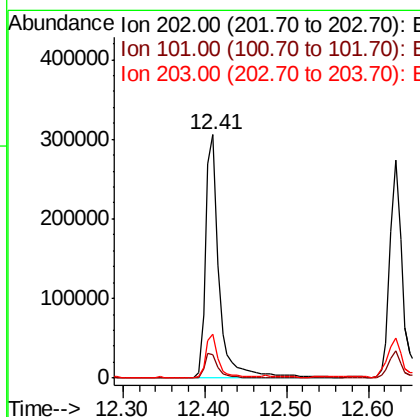
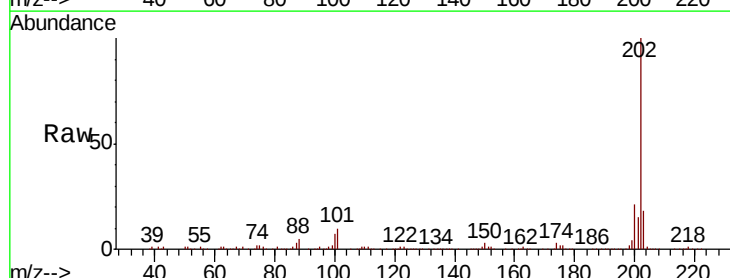
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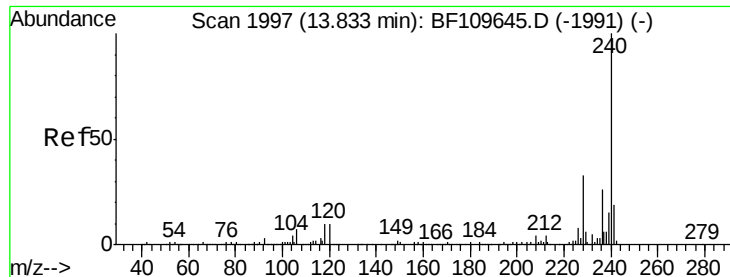
Sohil
 10/15/2018 10:28:44 AM



#74
 Fluoranthene
 Concen: 29.623 ng
 RT: 12.41 min Scan# 1755
 Delta R.T. 0.00 min
 Lab File: BF109848.D
 Acq: 12 Oct 2018 21:51

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	31.4
203	17.8	0.0	37.7





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF109848.D

Acq: 12 Oct 2018 21:51

Instrument :

BNA_F

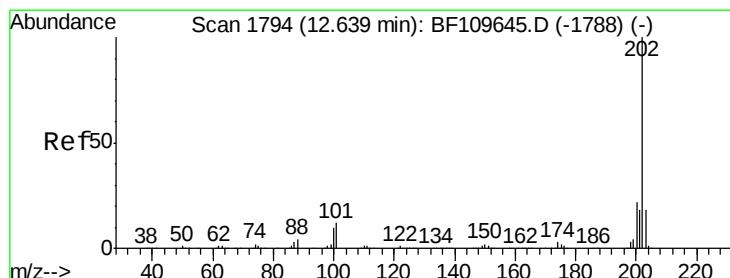
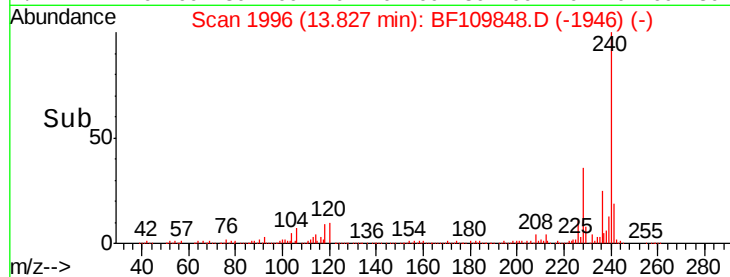
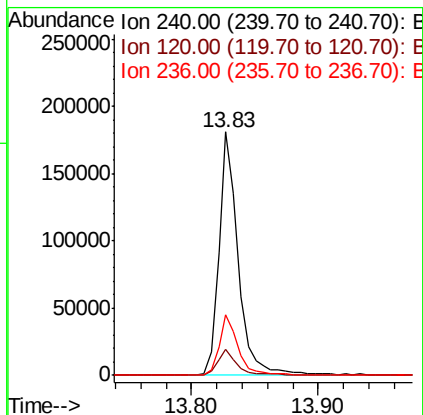
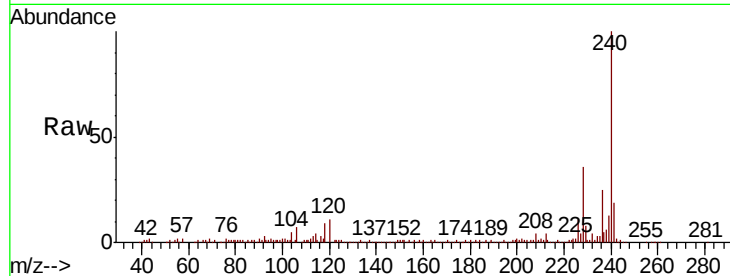
ClientSampleId :

DOCUMENTATION-20

Tot Ion:	240	Resp:	191985
Ion Ratio	Lower	Upper	
240	100		
120	10.6	8.3	12.5
236	24.7	21.2	31.8

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#77

Pyrene

Concen: 21.455 ng

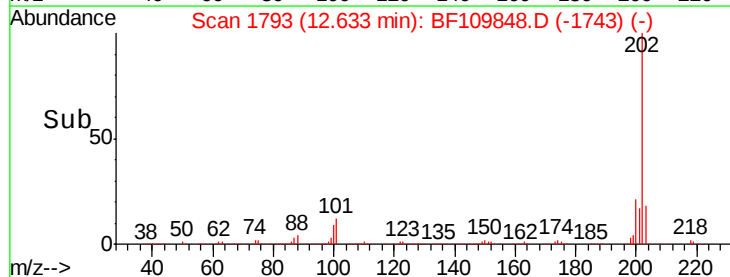
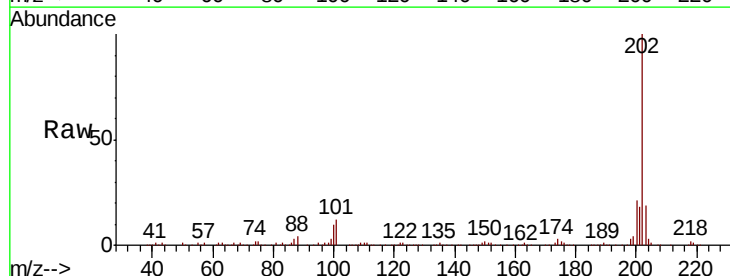
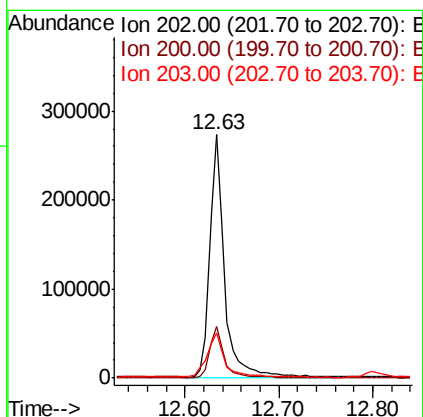
RT: 12.63 min Scan# 1793

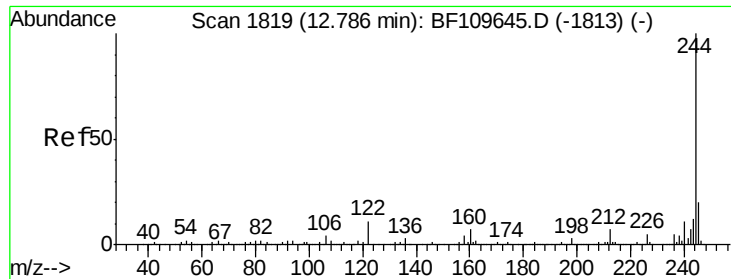
Delta R.T. -0.01 min

Lab File: BF109848.D

Acq: 12 Oct 2018 21:51

Tgt Ion:	202	Resp:	301784
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.8	26.6
203	18.6	14.2	21.4





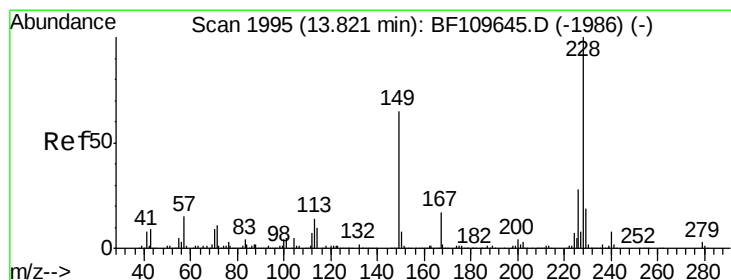
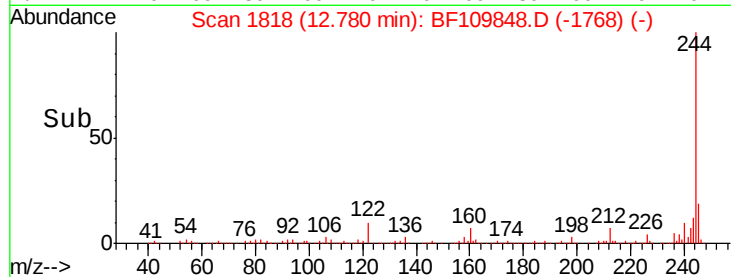
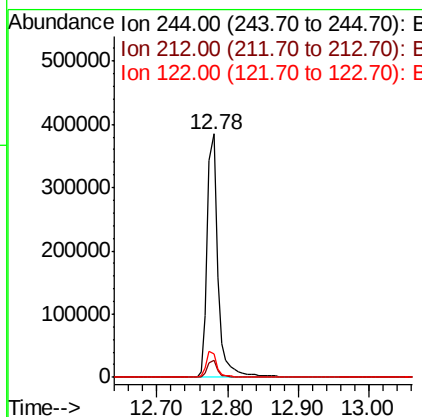
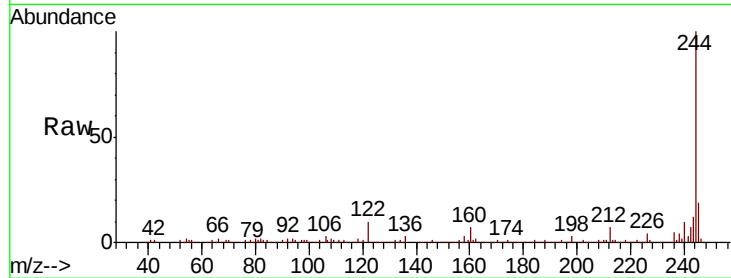
#78
 Terphenyl-d14
 Concen: 41.181 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. -0.01 min
 Lab File: BF109848.D
 Acq: 12 Oct 2018 21:51

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-20

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.8
122	9.7	8.7	13.1

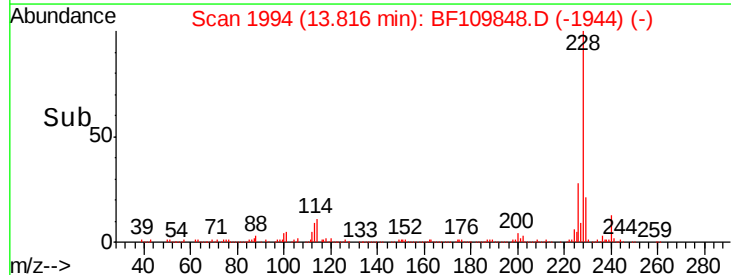
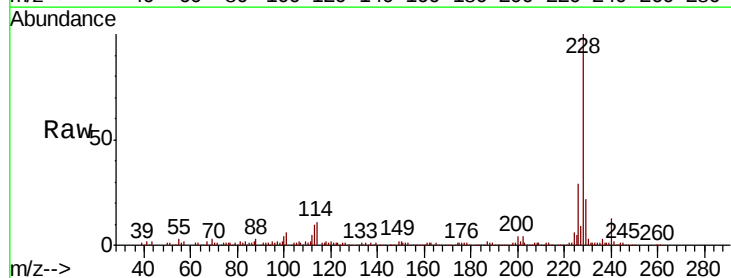
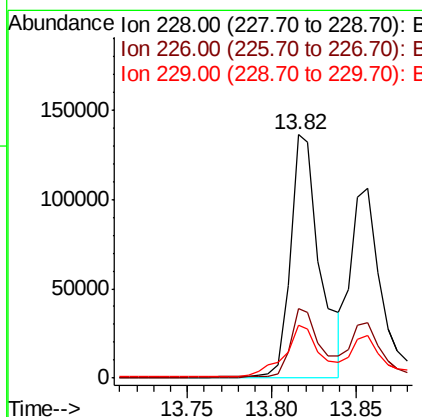
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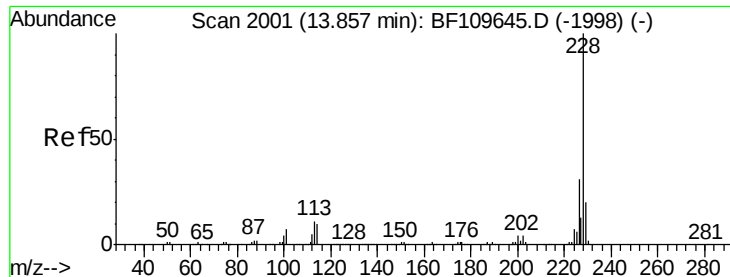
Sohil
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#80
 Benzo(a)anthracene
 Concen: 15.672 ng
 RT: 13.82 min Scan# 1994
 Delta R.T. -0.01 min
 Lab File: BF109848.D
 Acq: 12 Oct 2018 21:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.1	33.1
229	21.6	15.6	23.4





#82

Chrysene

Concen: 12.190 ng

RT: 13.86 min Scan# 2001

Delta R.T. 0.00 min

Lab File: BF109848.D

Acq: 12 Oct 2018 21:51

Instrument :

BNA_F

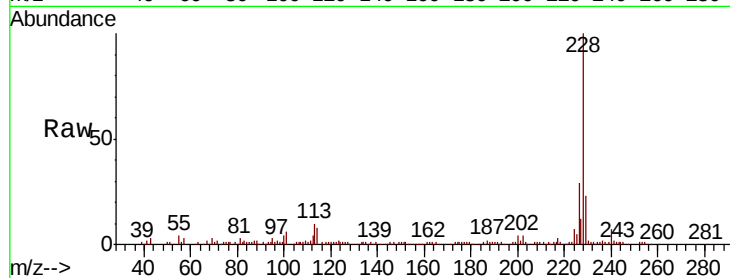
ClientSampleId :

DOCUMENTATION-20

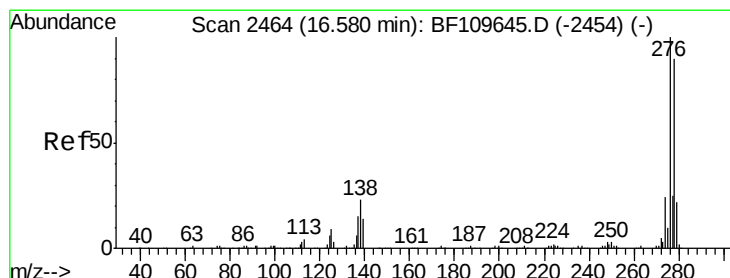
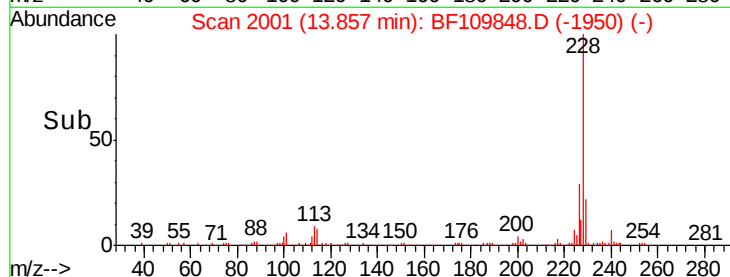
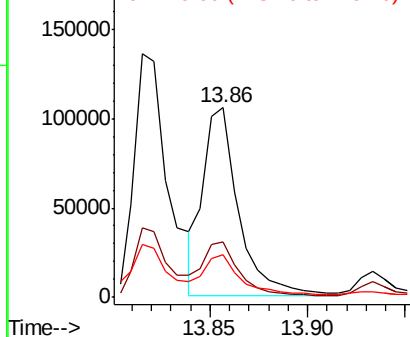
Tot Ion:	228	Resp:	135654
Ion Ratio	Lower	Upper	
228	100		
226	29.0	24.7	37.1
229	22.6	15.9	23.9

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 6.455 ng

RT: 16.58 min Scan# 2464

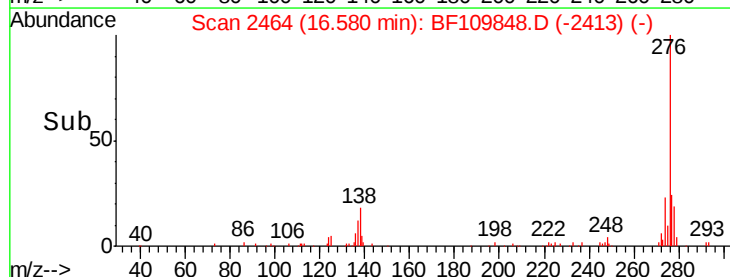
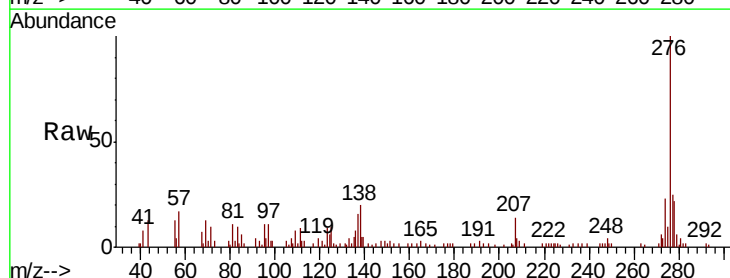
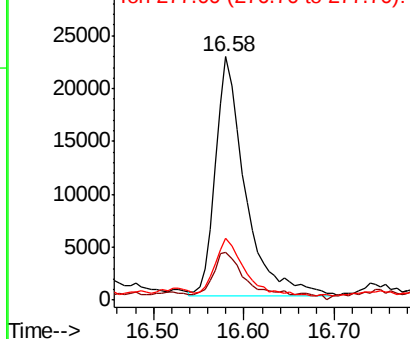
Delta R.T. 0.00 min

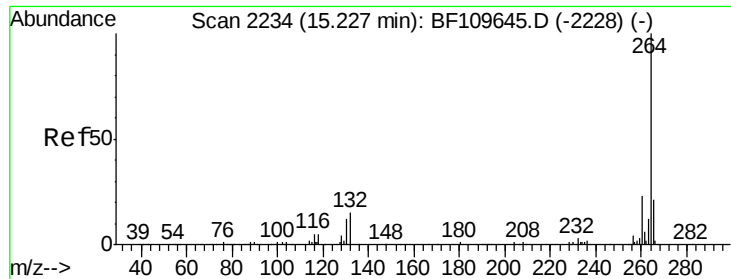
Lab File: BF109848.D

Acq: 12 Oct 2018 21:51

Tgt Ion:	276	Resp:	51418
Ion Ratio	Lower	Upper	
276	100		
138	17.6	18.5	27.7#
277	23.7	20.0	30.0

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





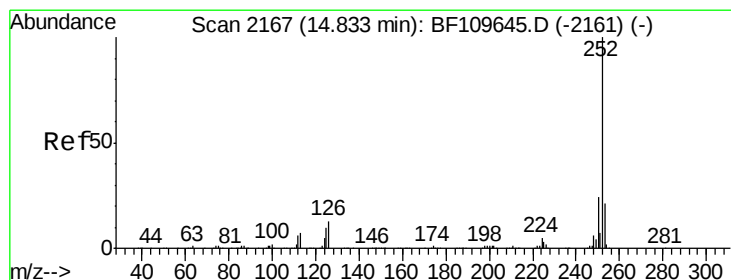
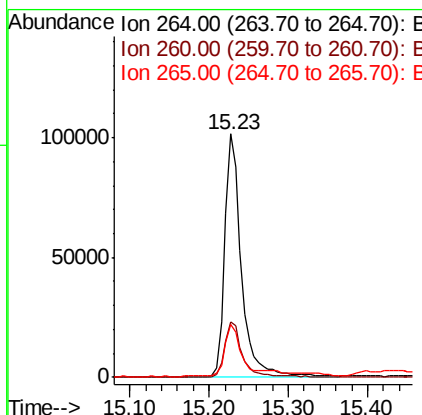
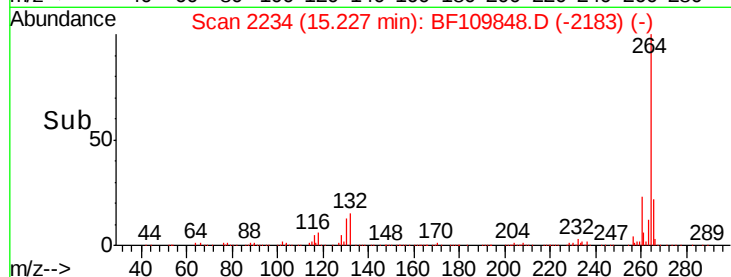
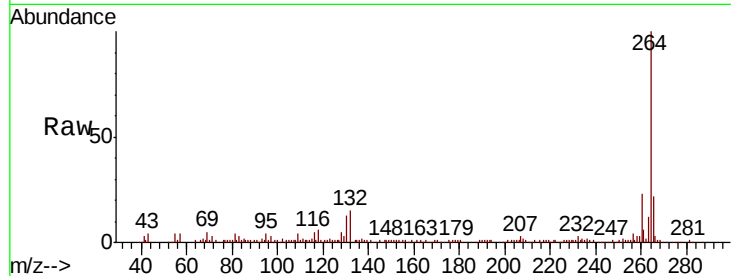
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2234
Delta R.T. 0.00 min
Lab File: BF109848.D
Acq: 12 Oct 2018 21:51

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-20

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.7	28.1
265	21.6	16.7	25.1

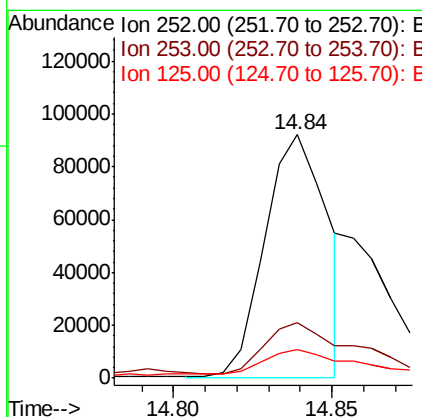
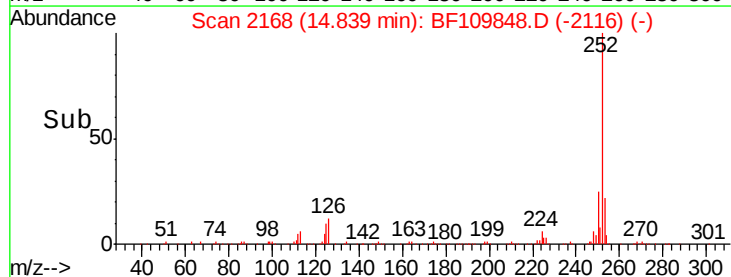
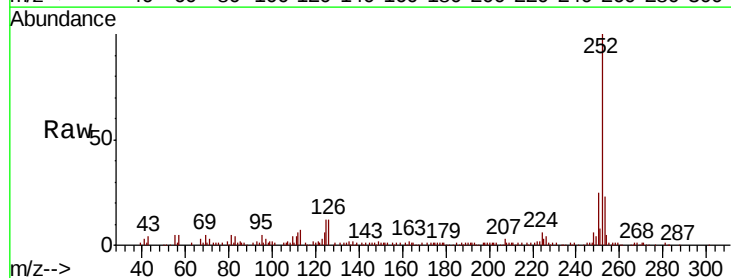
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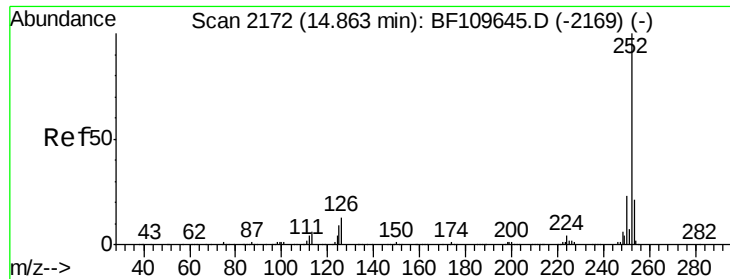
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#87
Benzo(b)fluoranthene
Concen: 15.338 ng m
RT: 14.84 min Scan# 2168
Delta R.T. 0.01 min
Lab File: BF109848.D
Acq: 12 Oct 2018 21:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.2	25.8
125	11.7	8.2	12.4





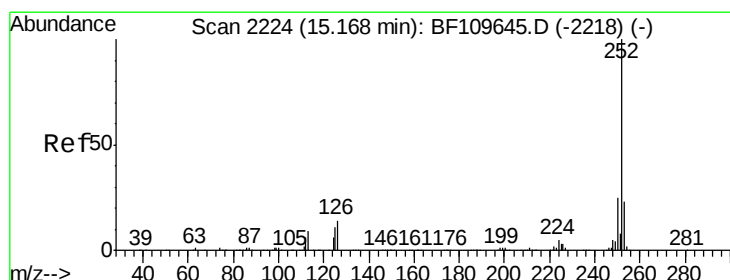
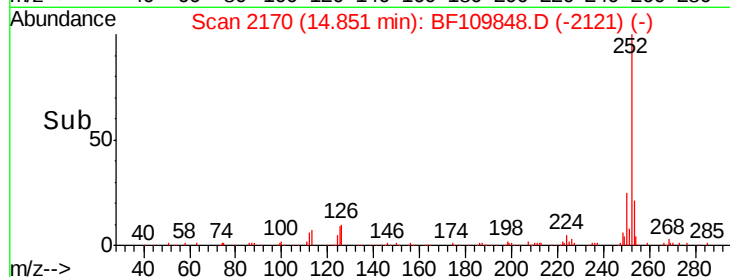
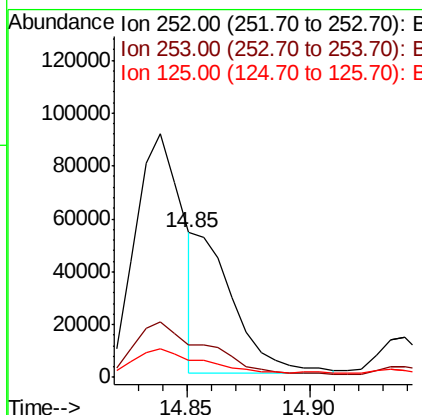
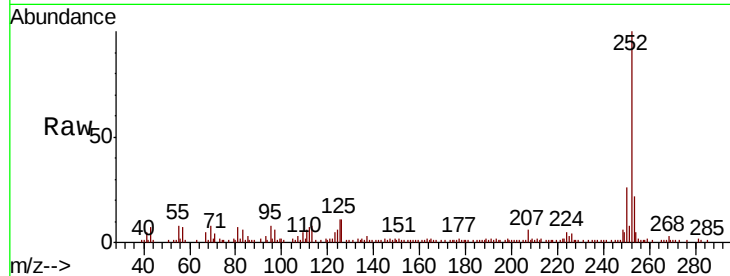
#88
Benzo(k)fluoranthene
Concen: 6.813 ng m
RT: 14.85 min Scan# 2170
Delta R.T. -0.01 min
Lab File: BF109848.D
Acq: 12 Oct 2018 21:51

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-20

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.2	25.8
125	11.4	7.4	11.0

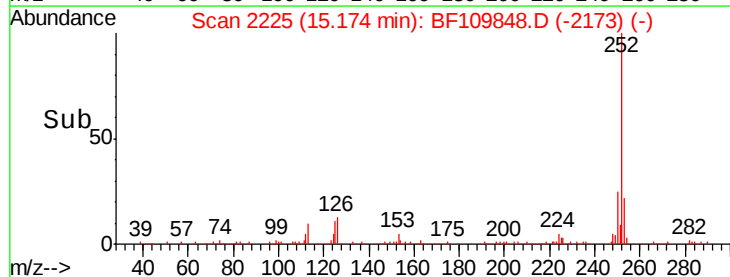
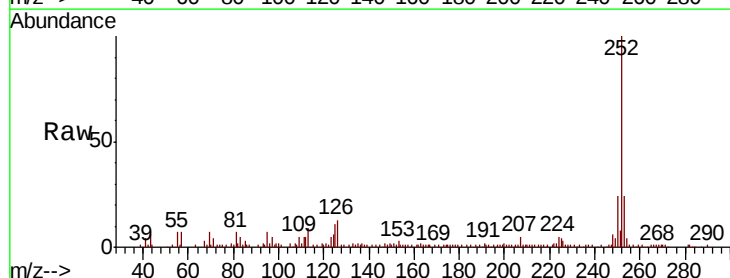
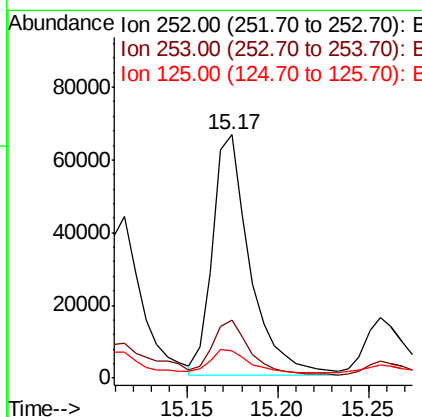
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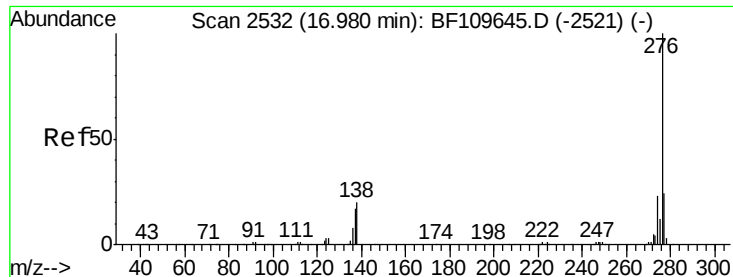
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#89
Benzo(a)pyrene
Concen: 12.743 ng
RT: 15.17 min Scan# 2225
Delta R.T. 0.01 min
Lab File: BF109848.D
Acq: 12 Oct 2018 21:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.2	27.4
125	11.4	9.0	13.6





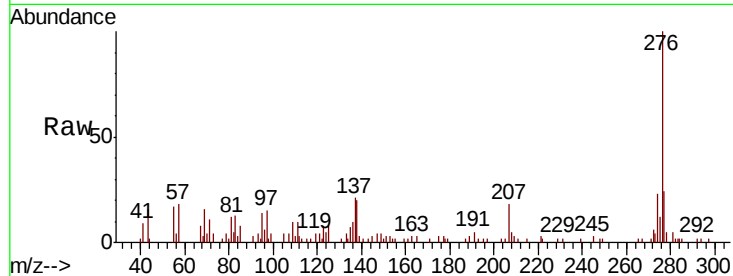
#91
 Benzo(a,h,i)perylene
 Concen: 8.263 ng
 RT: 16.98 min Scan# 2532
 Delta R.T. 0.00 min
 Lab File: BF109848.D
 Acq: 12 Oct 2018 21:51

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-20

Tot Ion:	276	Resp:	50758
Ion Ratio		Lower	Upper
276	100		
277	23.8	18.8	28.2
138	19.8	16.0	24.0

Manual Integrations
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Sohil
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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

