

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100418\
 Data File : BF109586.D
 Acq On : 4 Oct 2018 15:04
 Operator : JU/SJ
 Sample : J5204-03 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-100318-B

Manual Integrations
 APPROVED

Sohil
 10/5/2018 11:56:29 AM

Quant Time: Oct 04 16:49:51 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	102419	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	410452	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	183177	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	294624	20.00	ng	0.00
75) Chrysene-d12	13.84	240	216587	20.00	ng	0.00
86) Perylene-d12	15.25	264	196327	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	228203	36.70	ng	0.00
7) Phenol-d6	6.34	99	326766	41.18	ng	-0.02
23) Nitrobenzene-d5	7.26	82	202707	29.15	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	64064	35.48	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	382172	31.47	ng	-0.02
78) Terphenyl-d14	12.79	244	259415	29.39	ng	-0.01
Target Compounds						
48) Acenaphthylene	9.59	152	88791	4.936	ng	99
49) Dimethylphthalate	9.45	163	41391	3.107	ng	# 98
51) Acenaphthene	9.76	154	46916	4.314	ng	99
54) Dibenzofuran	9.94	168	79634	4.924	ng	97
57) Fluorene	10.28	166	145271	12.589	ng	99
70) Phenanthrene	11.24	178	787077	53.504	ng	99
71) Anthracene	11.29	178	341402	22.882	ng	99
72) Carbazole	11.45	167	68642	4.624	ng	98
74) Fluoranthene	12.43	202	1007545	64.090	ng	97
77) Pyrene	12.66	202	903187	58.186	ng	100
80) Benzo(a)anthracene	13.84	228	523994	40.166	ng	96
82) Chrysene	13.87	228	459705	35.553	ng	98
85) Indeno(1,2,3-cd)pyrene	16.62	276	182164	17.381	ng	# 87
87) Benzo(b)fluoranthene	14.86	252	533648m	49.467	ng	
88) Benzo(k)fluoranthene	14.88	252	179627m	17.547	ng	
89) Benzo(a)pyrene	15.20	252	378691	38.956	ng	97
90) Dibenzo(a,h)anthracene	16.62	278	50963	6.390	ng	# 90
91) Benzo(g,h,i)perylene	17.02	276	163289	20.833	ng	# 89

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

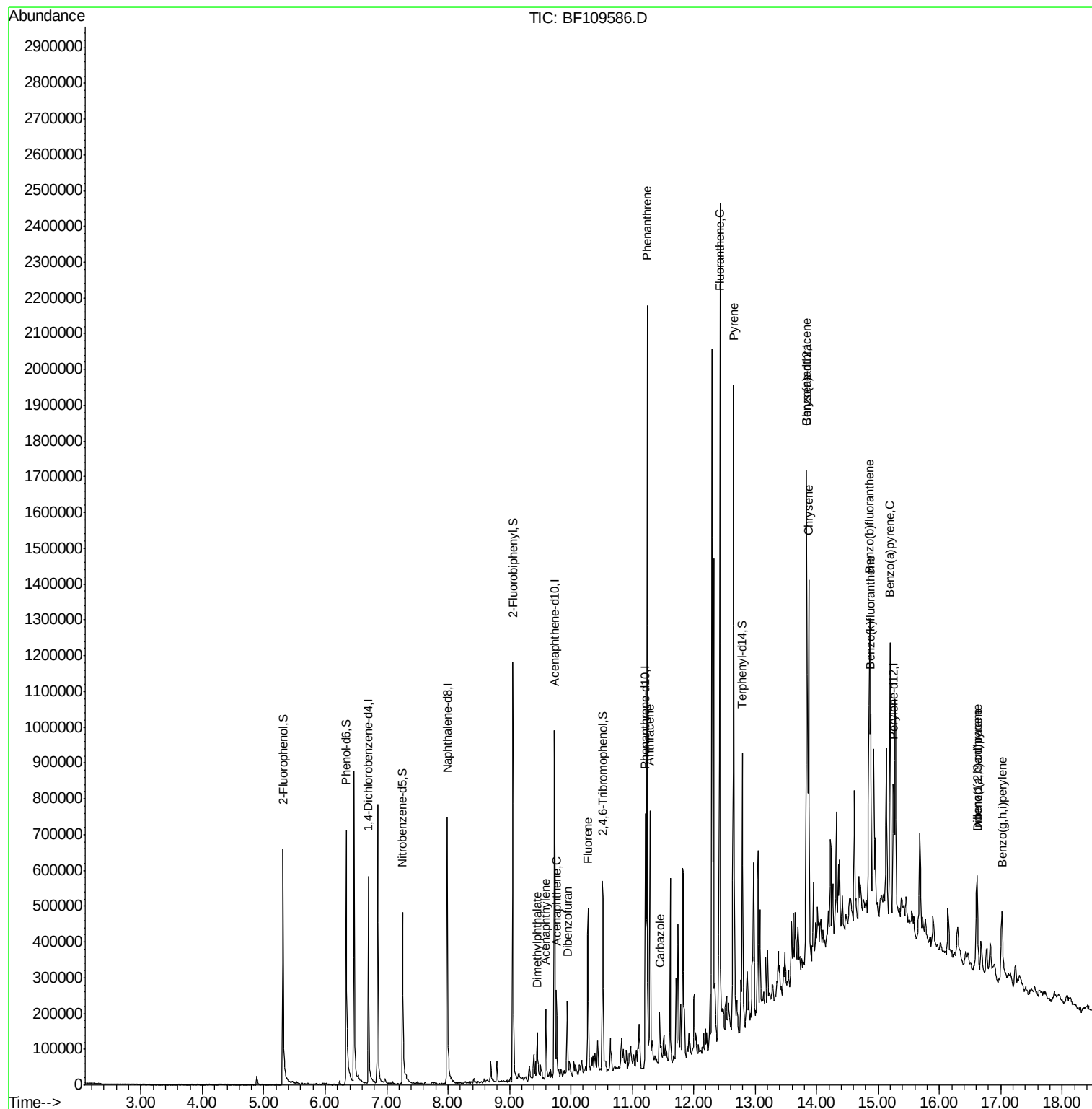
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100418\
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ALS Vial : 6 Sample Multiplier: 1

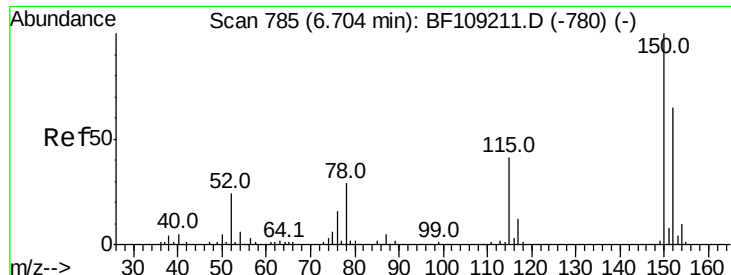
Instrument :
BNA_F
ClientSampleId :
SU-04-100318-B

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#1

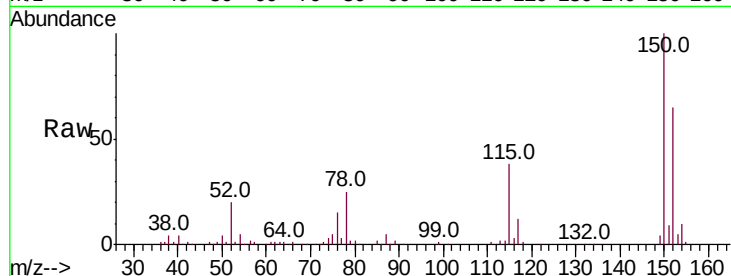
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109586.D
Acq: 4 Oct 2018 15:04

Instrument :
BNA_F
ClientSampleId :
SU-04-100318-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	124.6	186.8
115	58.5	50.1	75.1

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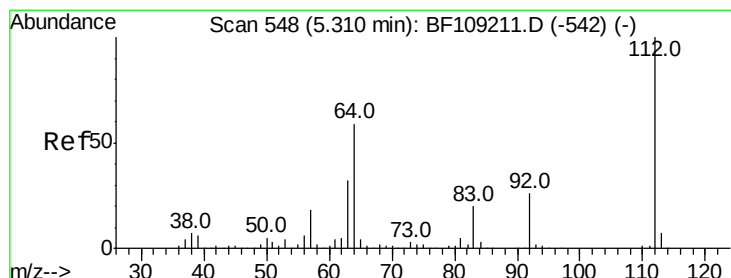
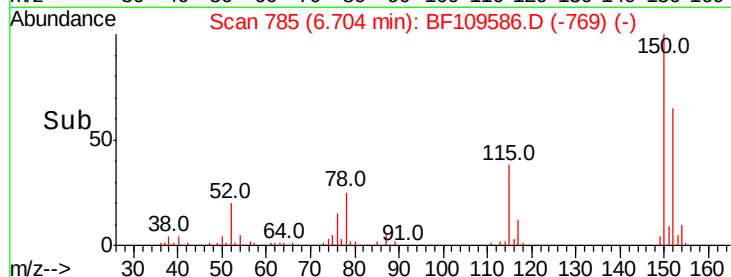
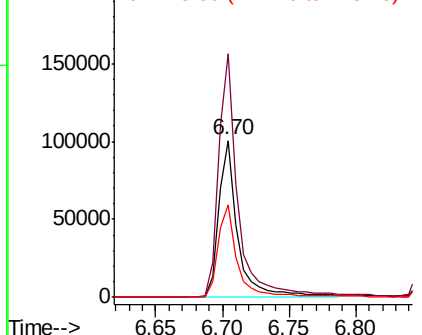


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

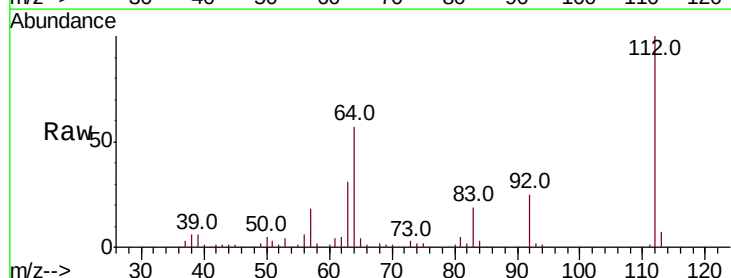
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 36.699 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF109586.D
Acq: 4 Oct 2018 15:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.0	47.9	71.9
63	30.5	23.7	35.5

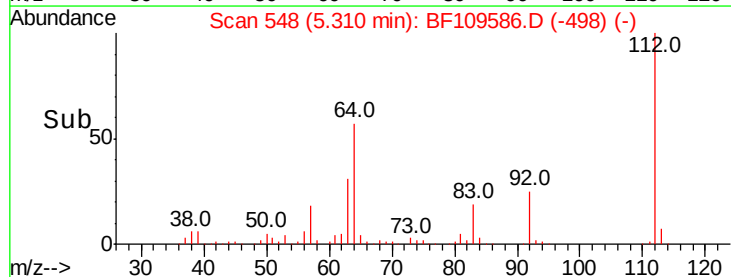
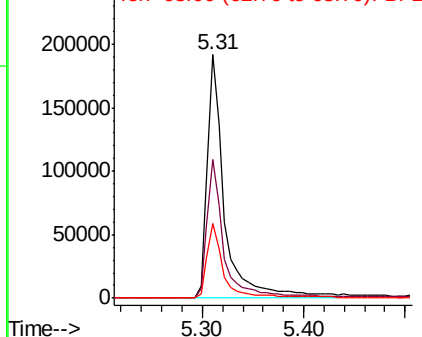


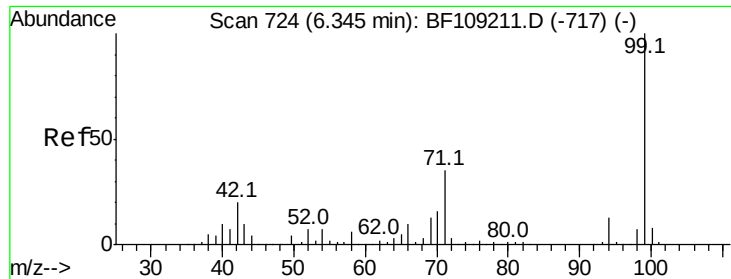
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 41.182 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109586.D

Acq: 4 Oct 2018 15:04

Instrument :

BNA_F

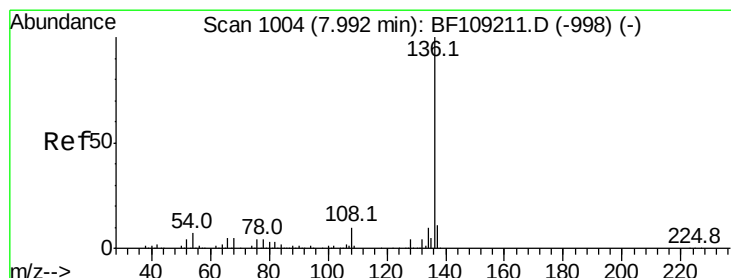
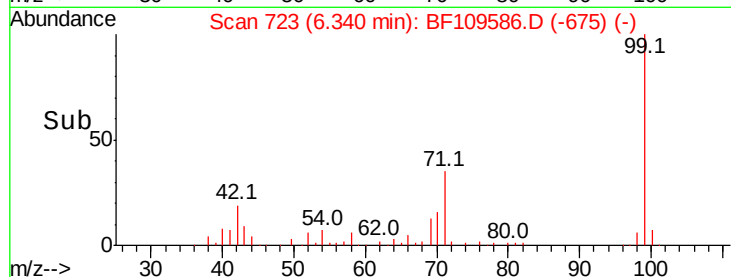
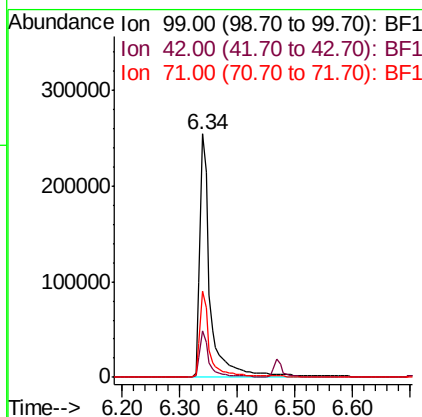
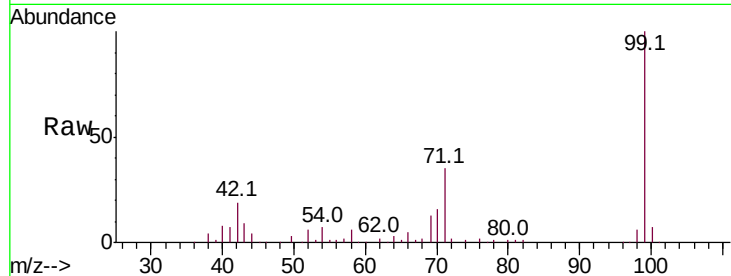
ClientSampleId :

SU-04-100318-B

Tot Ion:	99	Resp:	326766
Ion	Ratio	Lower	Upper
99	100		
42	19.3	14.5	21.7
71	35.4	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

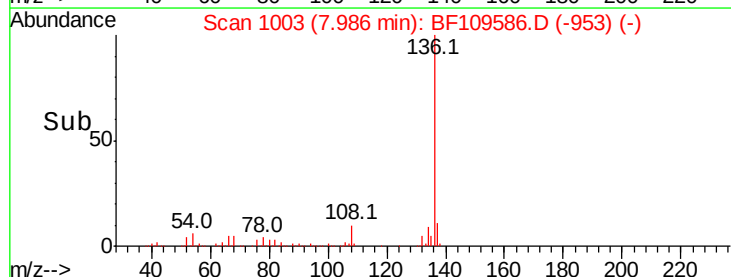
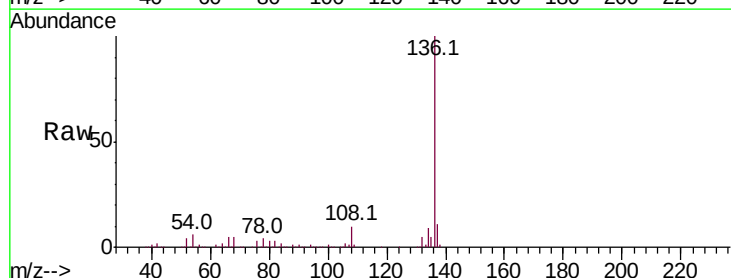
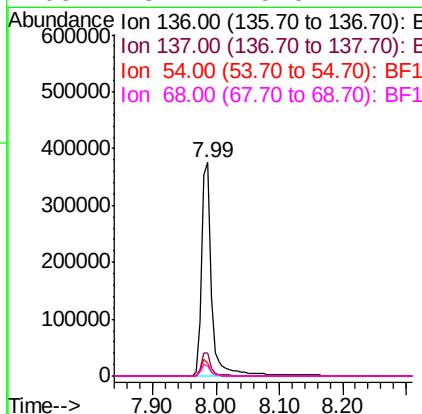
RT: 7.99 min Scan# 1003

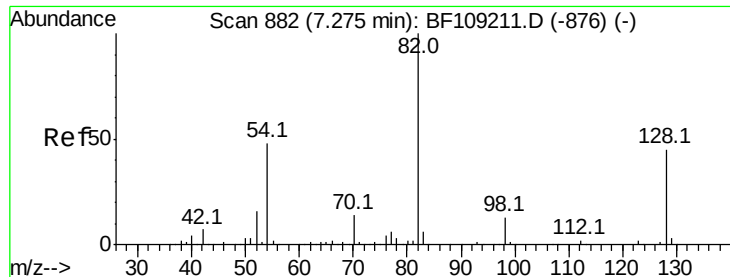
Delta R.T. -0.01 min

Lab File: BF109586.D

Acq: 4 Oct 2018 15:04

Tgt Ion:	136	Resp:	410452
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	6.2	6.6	9.8#
68	5.1	5.0	7.4





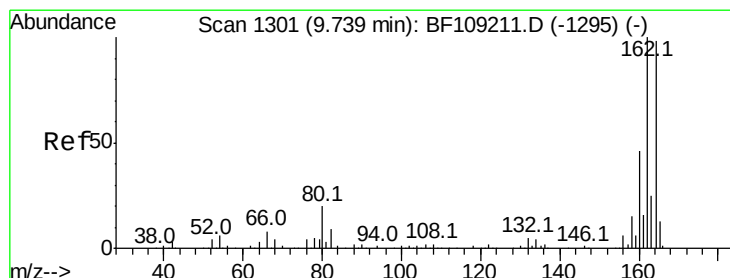
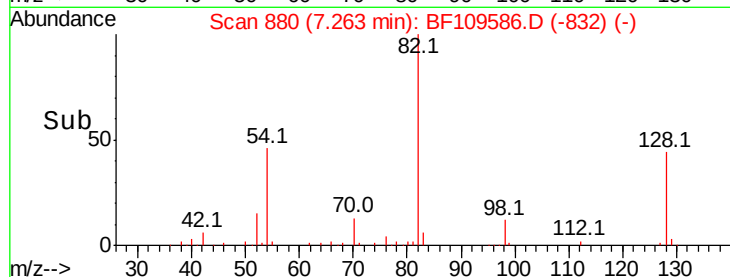
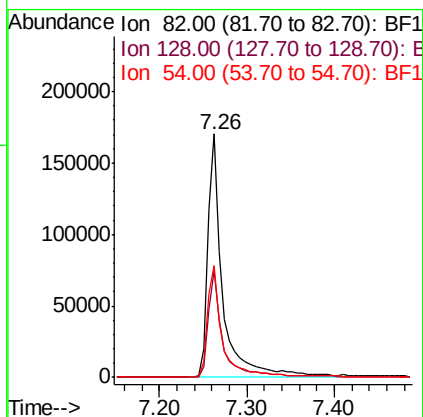
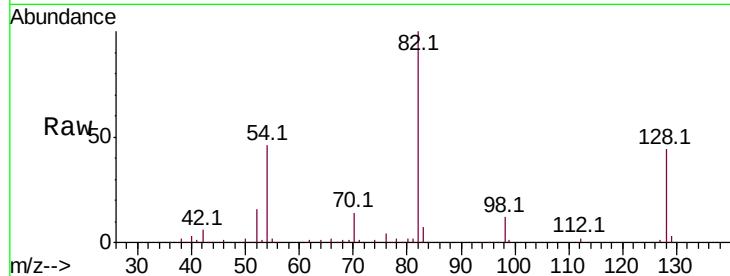
#23
Nitrobenzene-d5
Concen: 29.153 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF109586.D
Acq: 4 Oct 2018 15:04

Instrument :
BNA_F
ClientSampleId :
SU-04-100318-B

Tot Ion	Ratio	Resp	Lower	Upper
82	100	202707		
128	43.6		36.1	54.1
54	46.0		41.4	62.2

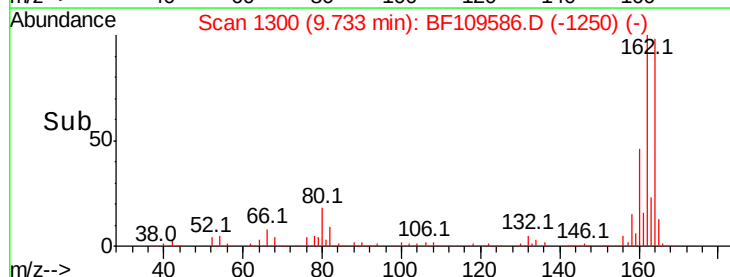
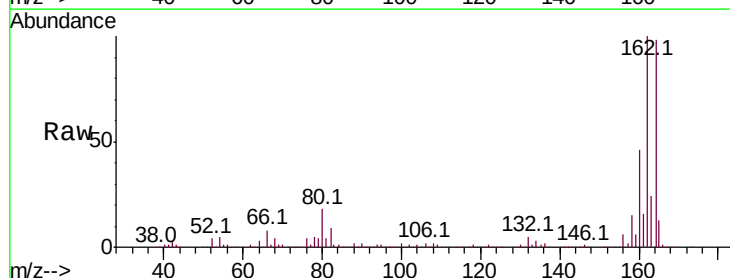
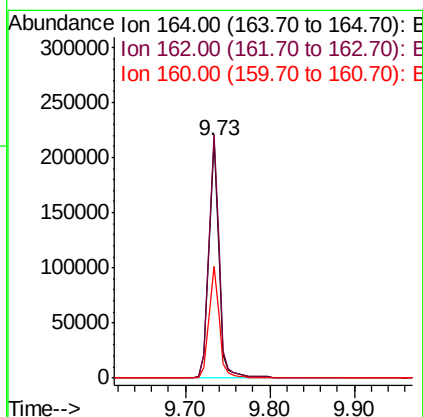
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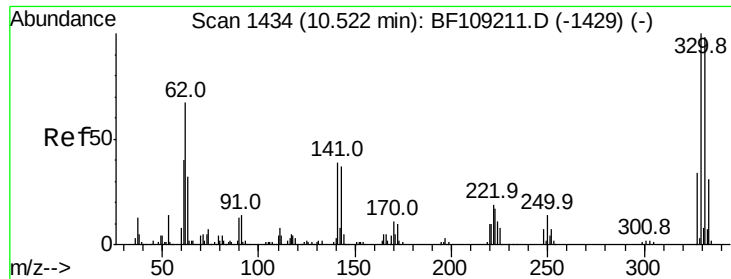
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF109586.D
Acq: 4 Oct 2018 15:04

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	183177		
162	102.3		86.1	129.1
160	46.9		38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 35.478 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BF109586.D

Acq: 4 Oct 2018 15:04

Instrument :

BNA_F

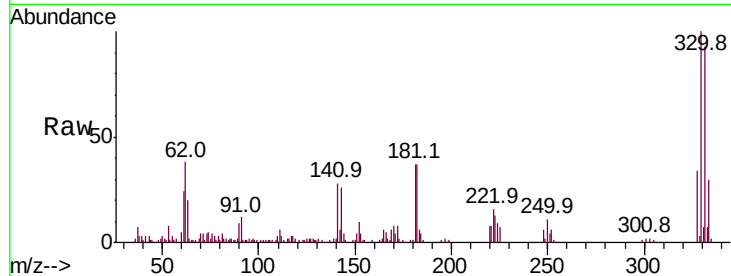
ClientSampleId :

SU-04-100318-B

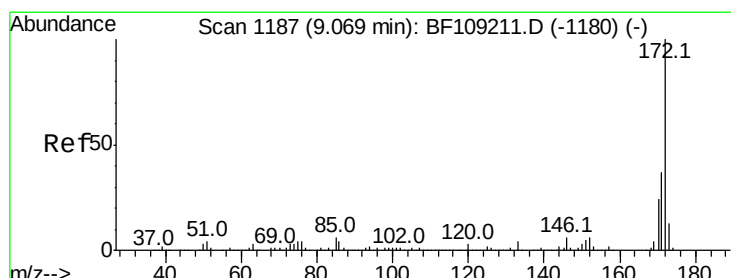
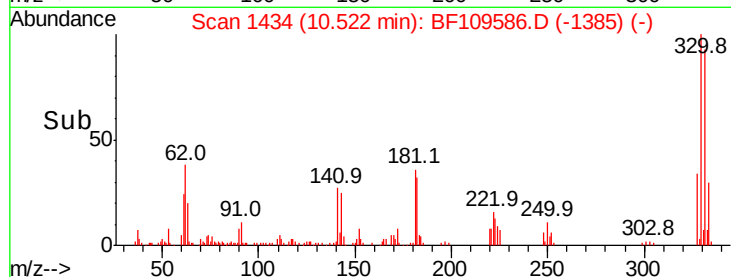
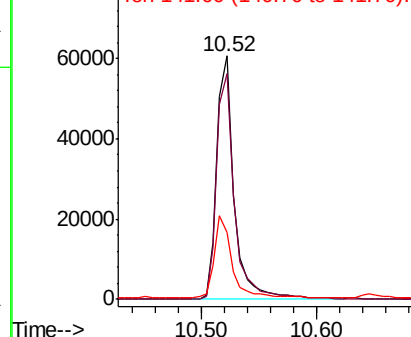
Tot Ion:	330	Resp:	64064
Ion Ratio	Lower	Upper	
330	100		
332	95.5	77.0	115.6
141	34.0	29.9	44.9

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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



#44

2-Fluorobiphenyl

Concen: 31.466 ng

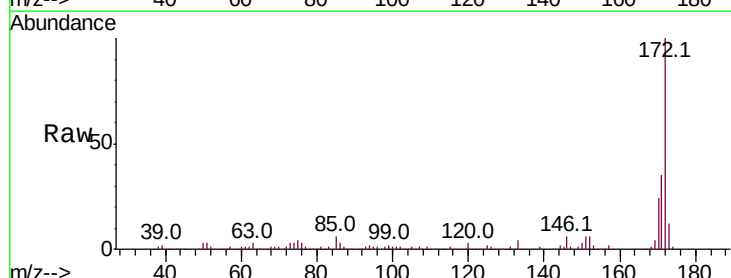
RT: 9.06 min Scan# 1185

Delta R.T. -0.02 min

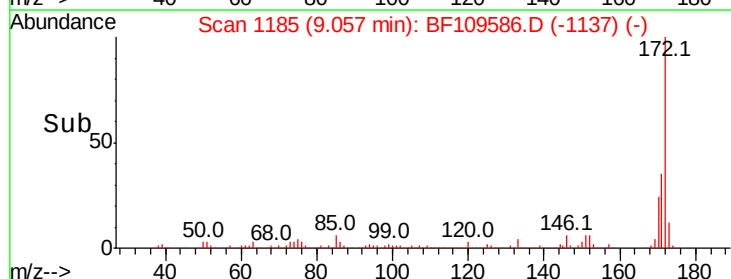
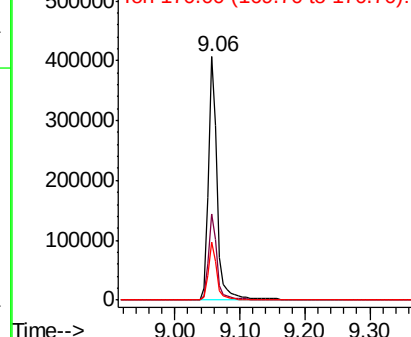
Lab File: BF109586.D

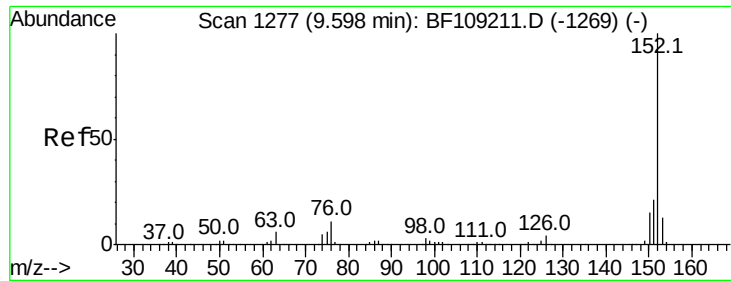
Acq: 4 Oct 2018 15:04

Tgt Ion:	172	Resp:	382172
Ion Ratio	Lower	Upper	
172	100		
171	35.4	29.7	44.5
170	23.7	19.6	29.4



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





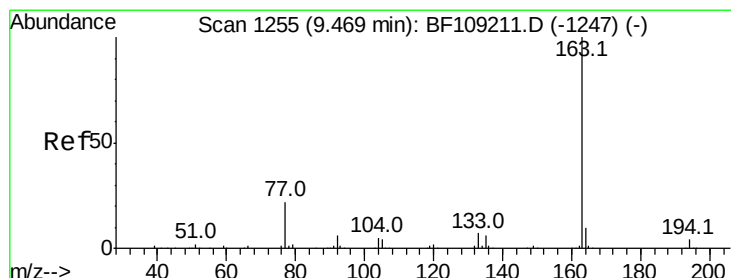
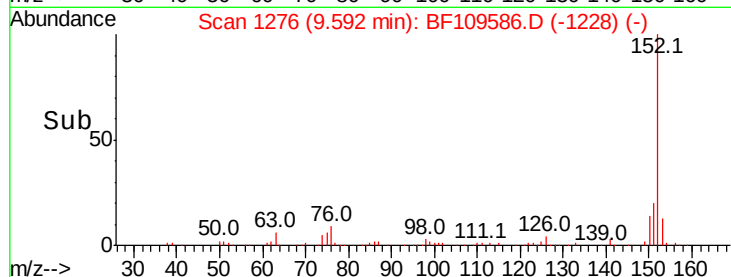
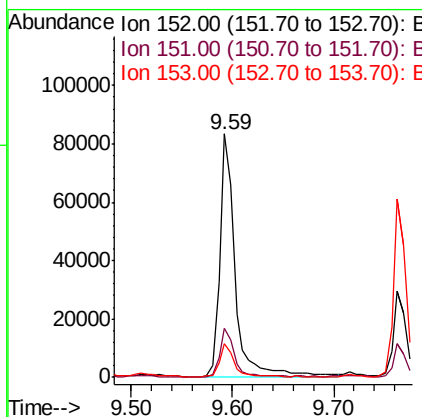
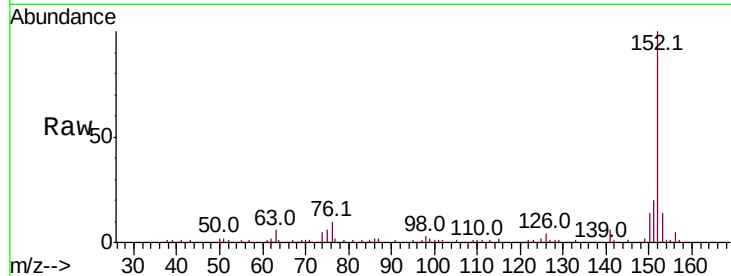
#48
Acenaphthylene
Concen: 4.936 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF109586.D
Acq: 4 Oct 2018 15:04

Instrument :
BNA_F
ClientSampleId :
SU-04-100318-B

Tot Ion:	152	Resp:	88791
Ion Ratio	Lower	Upper	
152	100		
151	20.1	16.3	24.5
153	13.8	10.7	16.1

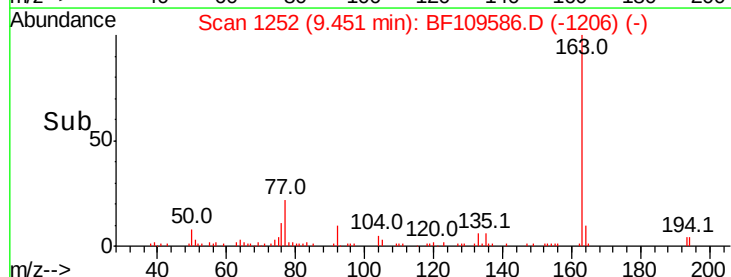
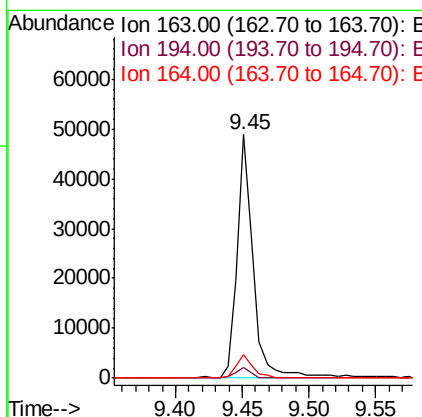
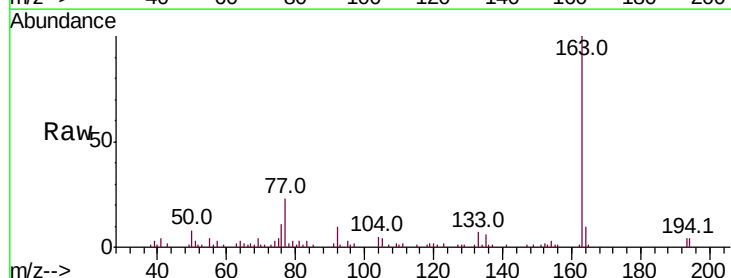
Manual Integrations
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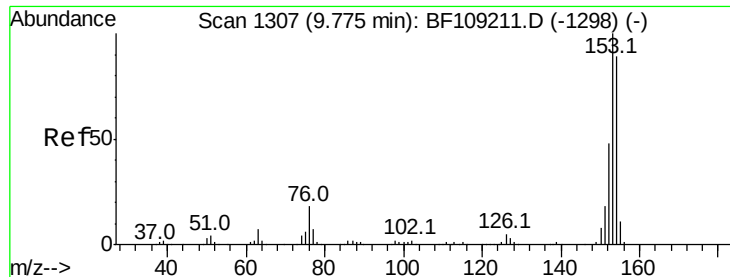
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#49
Dimethylphthalate
Concen: 3.107 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.03 min
Lab File: BF109586.D
Acq: 4 Oct 2018 15:04

Tgt Ion:	163	Resp:	41391
Ion Ratio	Lower	Upper	
163	100		
194	4.3	2.7	4.1#
164	9.7	8.2	12.2





#51

Acenaphthene

Concen: 4.314 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.02 min

Lab File: BF109586.D

Acq: 4 Oct 2018 15:04

Instrument :

BNA_F

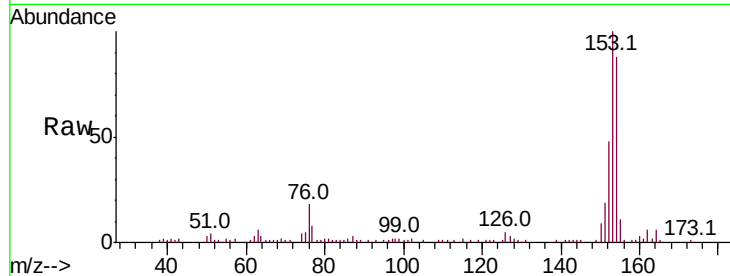
ClientSampleId :

SU-04-100318-B

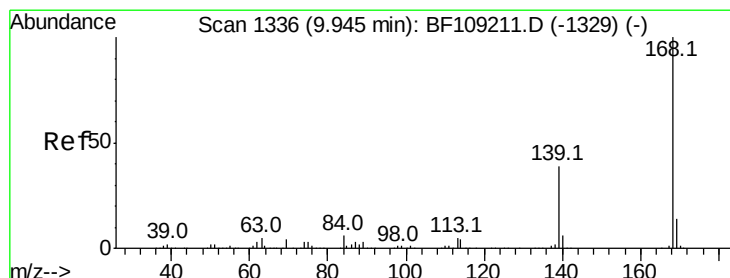
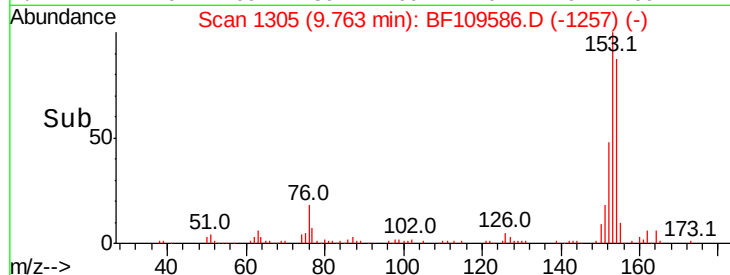
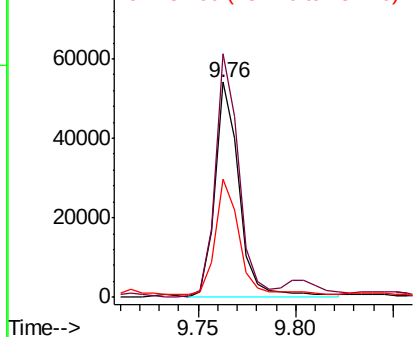
Tot Ion:	154	Resp:	46916
Ion Ratio	Lower	Upper	
154	100		
153	113.1	91.2	136.8
152	54.8	43.8	65.8

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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: 4.924 ng

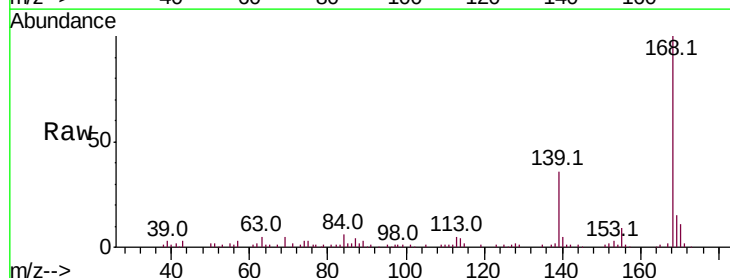
RT: 9.94 min Scan# 1335

Delta R.T. -0.01 min

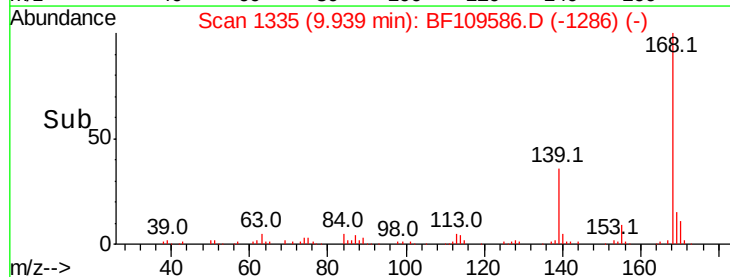
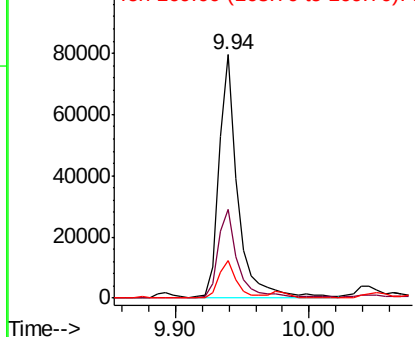
Lab File: BF109586.D

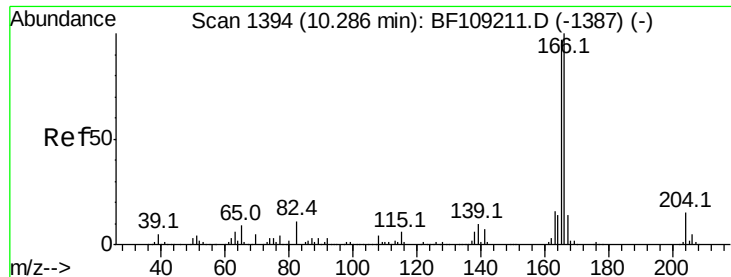
Acq: 4 Oct 2018 15:04

Tgt Ion:	168	Resp:	79634
Ion Ratio	Lower	Upper	
168	100		
139	36.3	30.1	45.1
169	15.4	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: 12.589 ng

RT: 10.28 min Scan# 1393

Delta R.T. -0.01 min

Lab File: BF109586.D

Acq: 4 Oct 2018 15:04

Instrument :

BNA_F

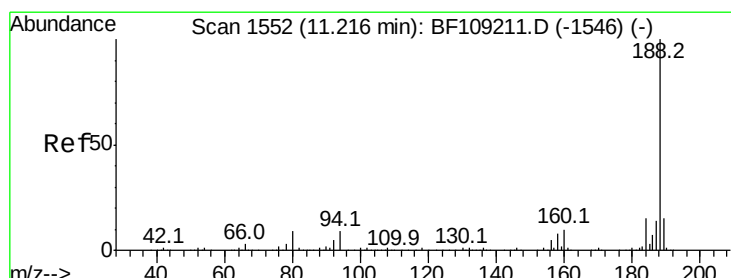
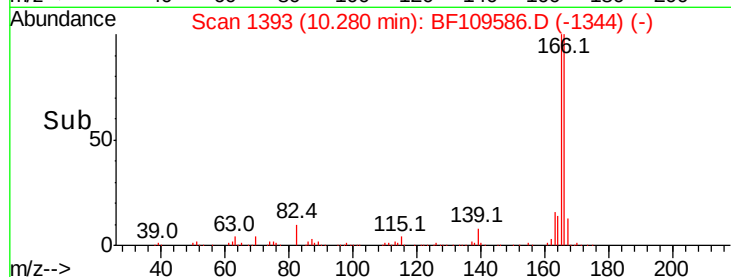
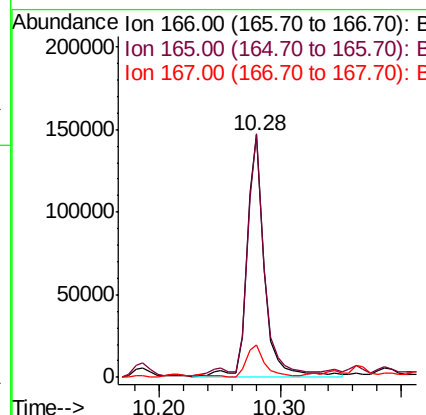
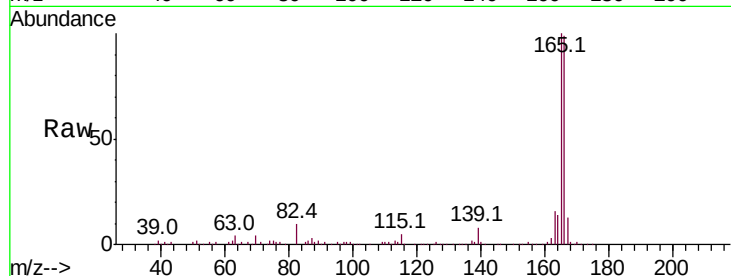
ClientSampleId :

SU-04-100318-B

Tot Ion:	166	Resp:	145271
Ion Ratio	Lower	Upper	
166	100		
165	100.7	79.8	119.8
167	13.3	10.6	16.0

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#63

Phenanthrene-d10

Concen: 20.000 ng

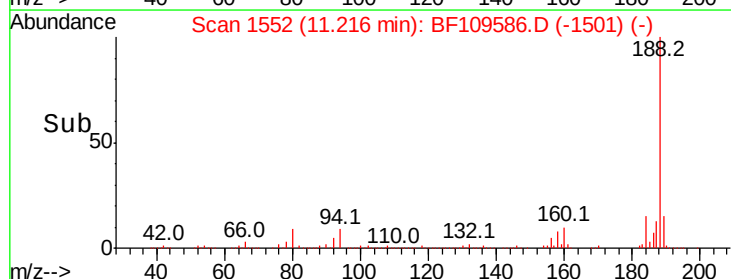
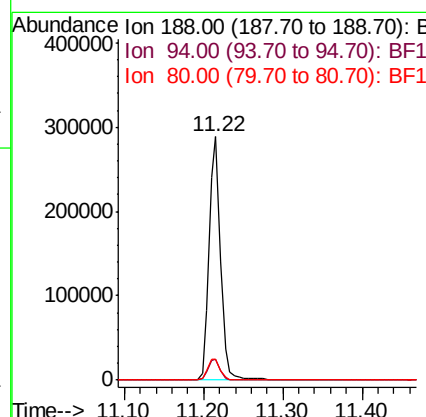
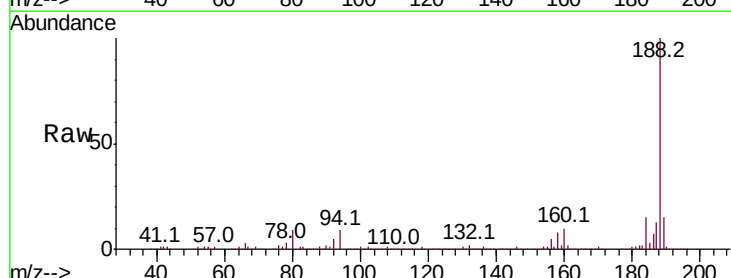
RT: 11.22 min Scan# 1552

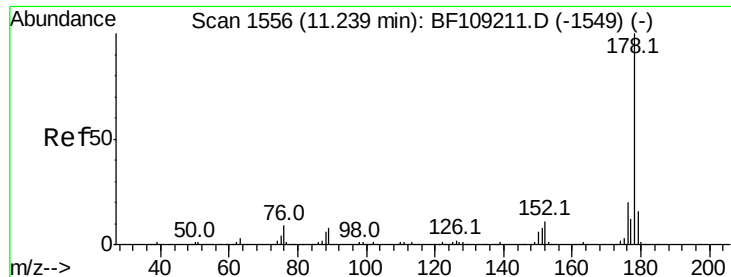
Delta R.T. 0.00 min

Lab File: BF109586.D

Acq: 4 Oct 2018 15:04

Tgt Ion:	188	Resp:	294624
Ion Ratio	Lower	Upper	
188	100		
94	8.6	8.5	12.7
80	8.7	9.2	13.8#





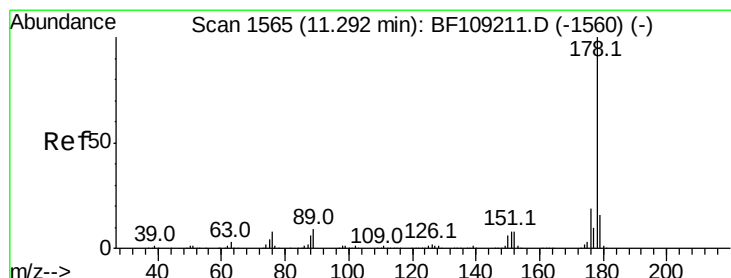
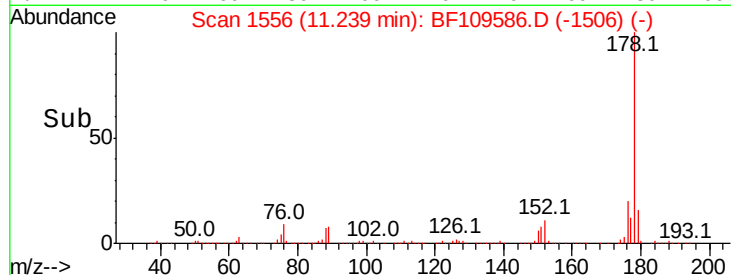
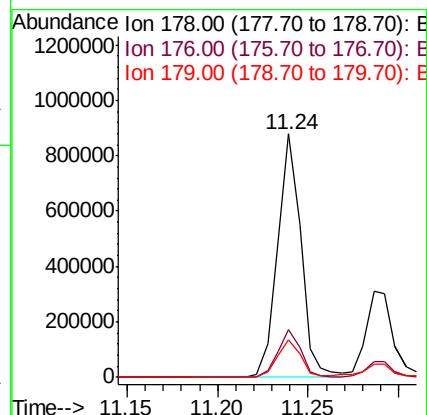
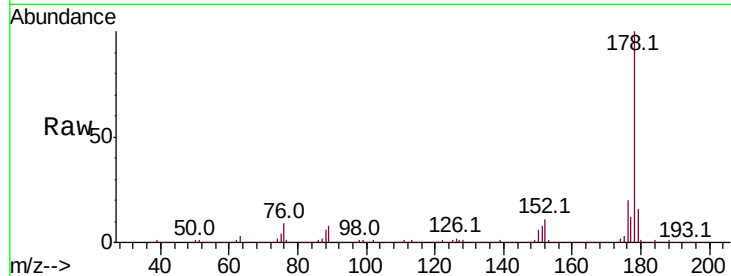
#70
Phenanthrene
Concen: 53.504 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF109586.D
Acq: 4 Oct 2018 15:04

Instrument :
BNA_F
ClientSampleId :
SU-04-100318-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.7	13.0	19.6

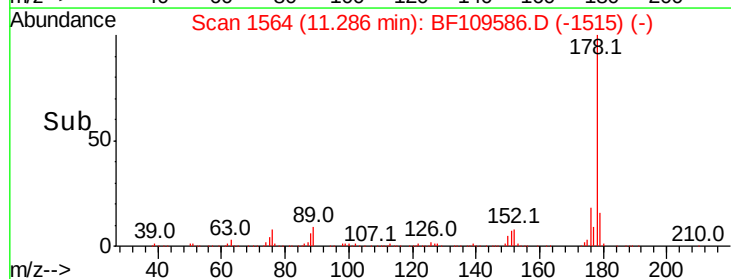
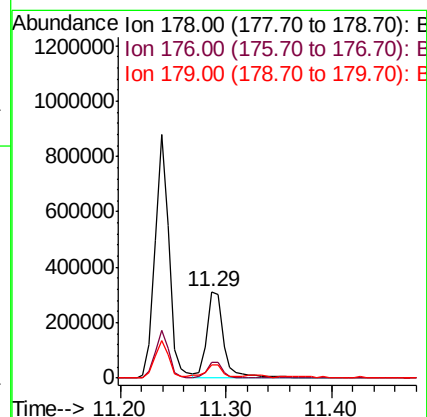
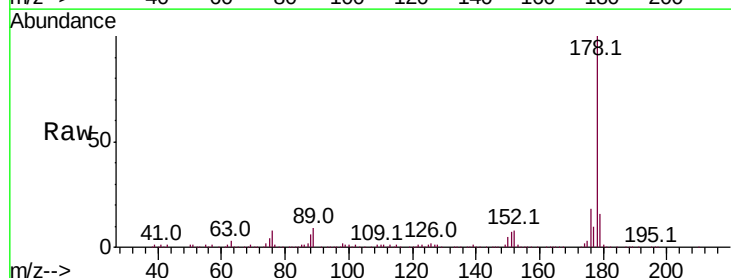
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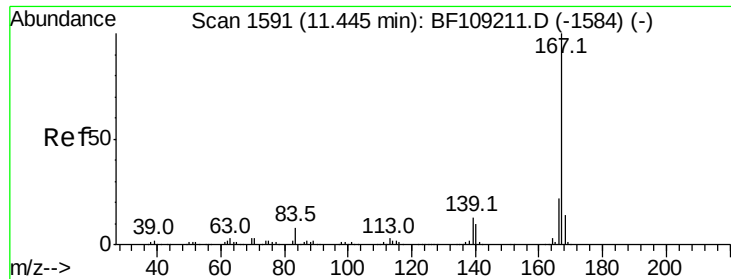
Sohil
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#71
Anthracene
Concen: 22.882 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF109586.D
Acq: 4 Oct 2018 15:04

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	15.7	12.6	19.0





#72

Carbazole

Concen: 4.624 ng

RT: 11.45 min Scan# 1591

Delta R.T. -0.01 min

Lab File: BF109586.D

Acq: 4 Oct 2018 15:04

Instrument :

BNA_F

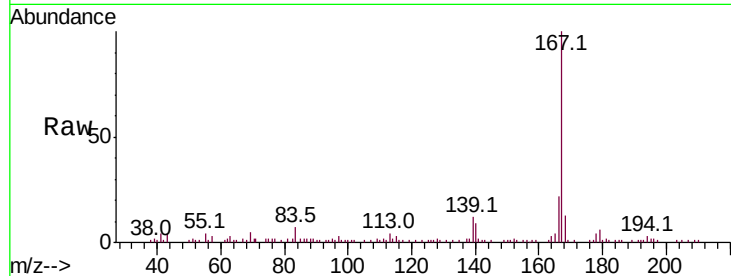
ClientSampleId :

SU-04-100318-B

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.6	26.4
139	11.9	10.9	16.3

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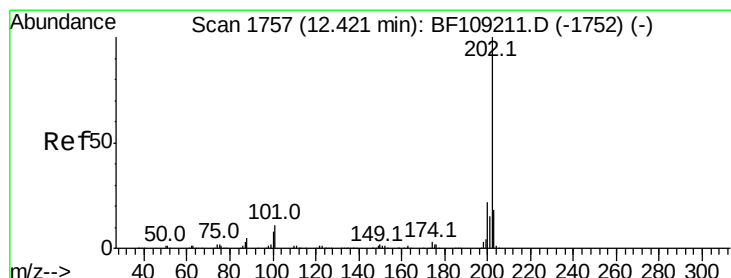
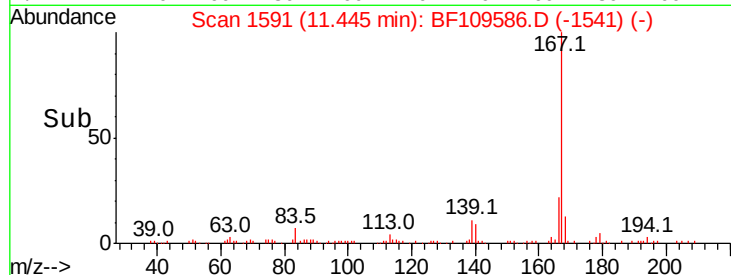
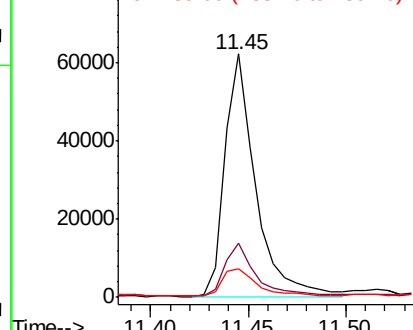


Abundance

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: 64.090 ng

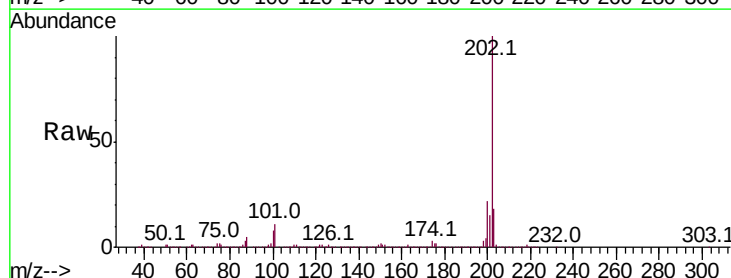
RT: 12.43 min Scan# 1758

Delta R.T. 0.00 min

Lab File: BF109586.D

Acq: 4 Oct 2018 15:04

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	34.1
203	18.0	0.0	38.1

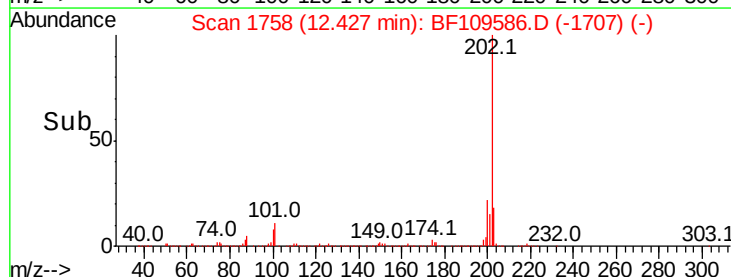
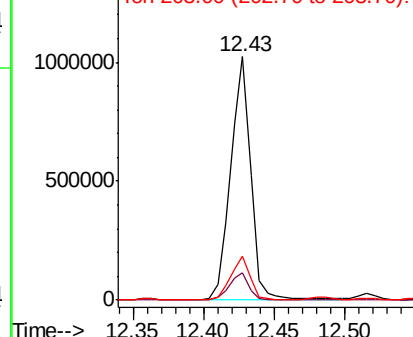


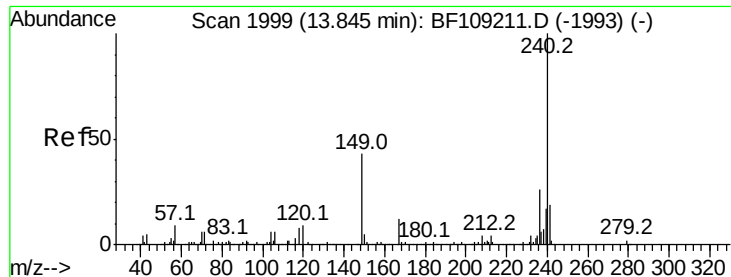
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1999

Delta R.T. 0.00 min

Lab File: BF109586.D

Acq: 4 Oct 2018 15:04

Instrument :

BNA_F

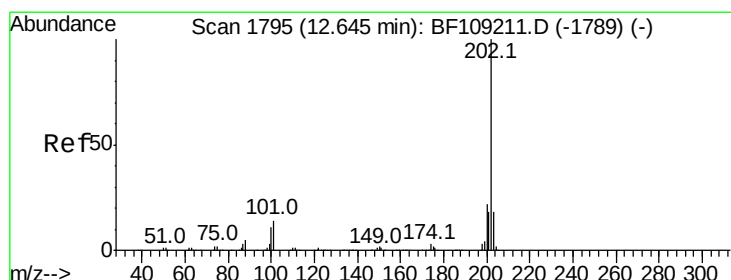
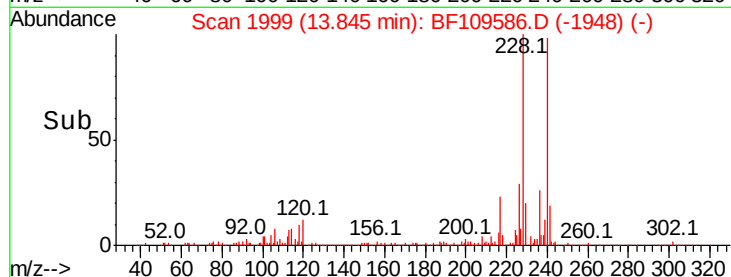
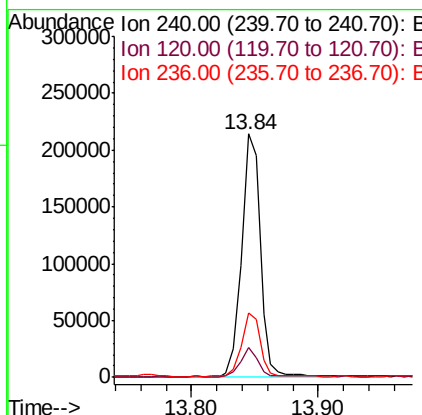
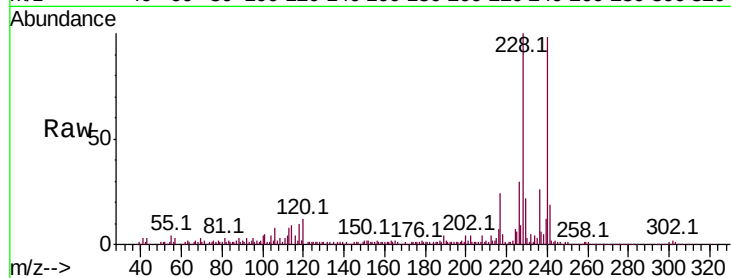
ClientSampleId :

SU-04-100318-B

Tot Ion:	240	Resp:	216587
Ion Ratio		Lower	Upper
240	100		
120	12.3	9.5	14.3
236	26.6	20.7	31.1

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#77

Pyrene

Concen: 58.186 ng

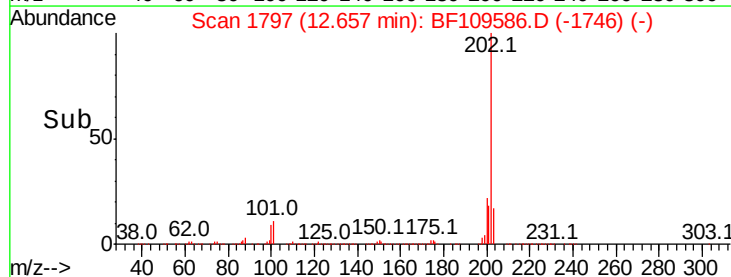
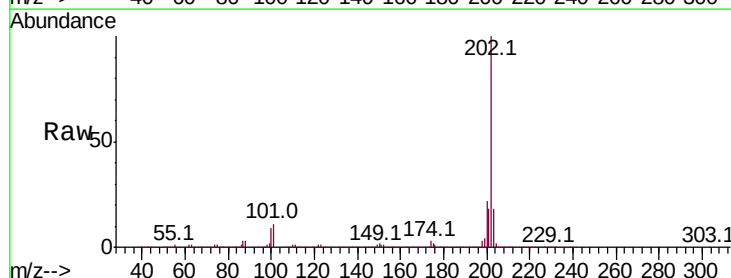
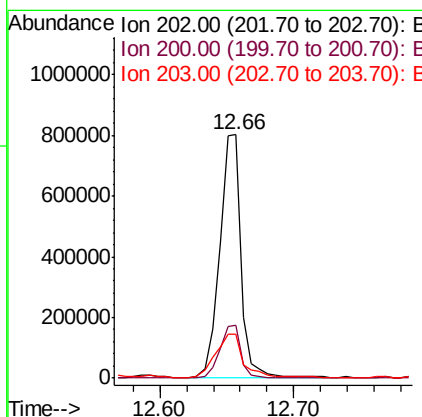
RT: 12.66 min Scan# 1797

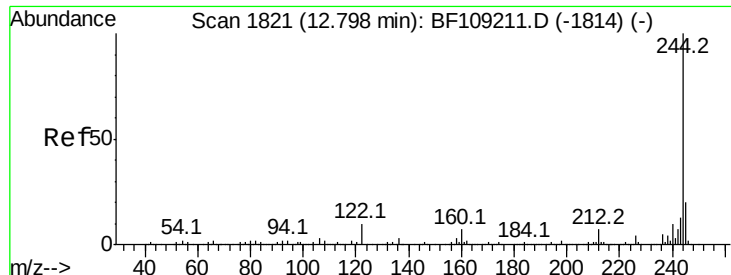
Delta R.T. 0.00 min

Lab File: BF109586.D

Acq: 4 Oct 2018 15:04

Tgt Ion:	202	Resp:	903187
Ion Ratio		Lower	Upper
202	100		
200	21.7	17.4	26.2
203	17.9	14.3	21.5





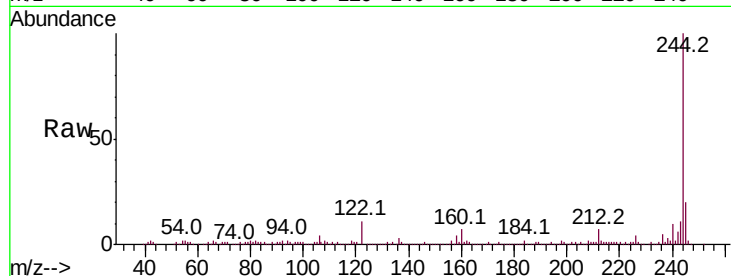
#78
 Terphenyl-d14
 Concen: 29.395 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF109586.D
 Acq: 4 Oct 2018 15:04

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-100318-B

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	10.7	11.0	16.4

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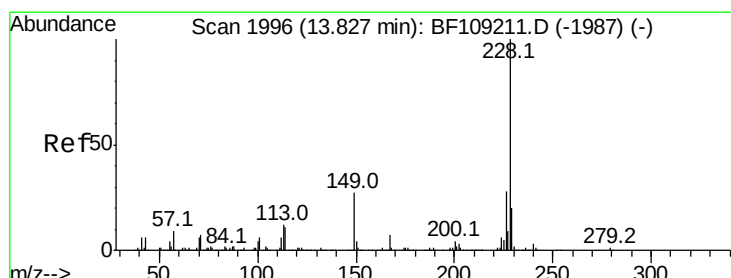
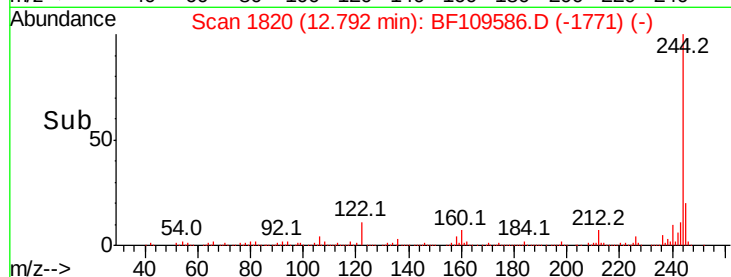
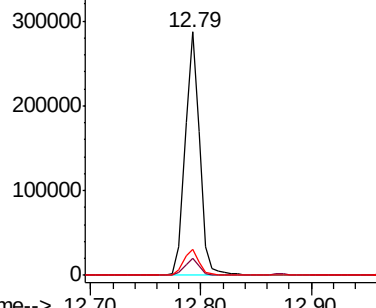


Abundance

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



#80
 Benzo(a)anthracene
 Concen: 40.166 ng
 RT: 13.84 min Scan# 1998
 Delta R.T. 0.01 min
 Lab File: BF109586.D
 Acq: 4 Oct 2018 15:04

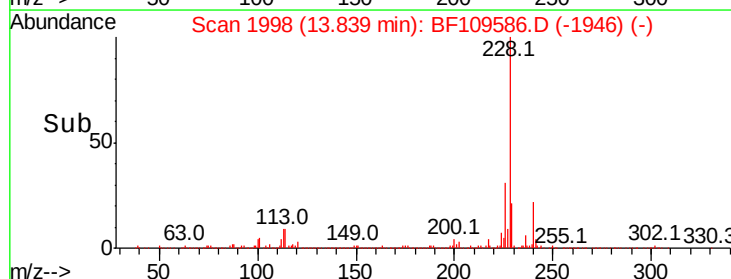
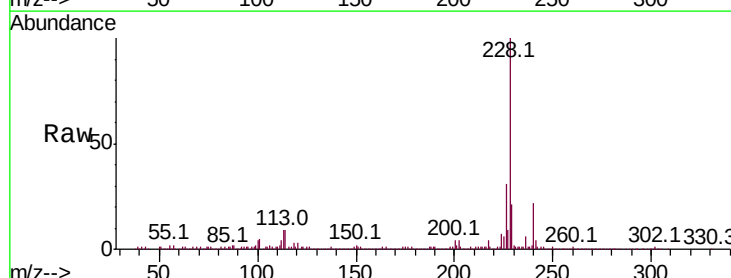
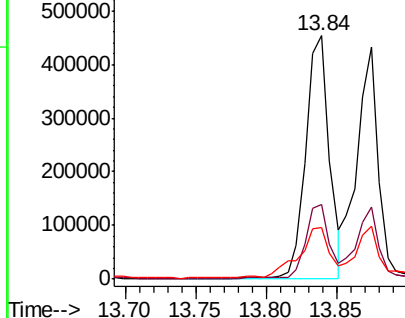
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	22.6	33.8
229	21.2	15.8	23.6

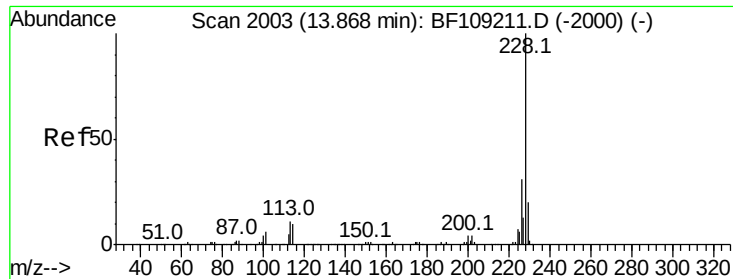
Abundance

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





#82

Chrysene

Concen: 35.553 ng

RT: 13.87 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BF109586.D

Acq: 4 Oct 2018 15:04

Instrument :

BNA_F

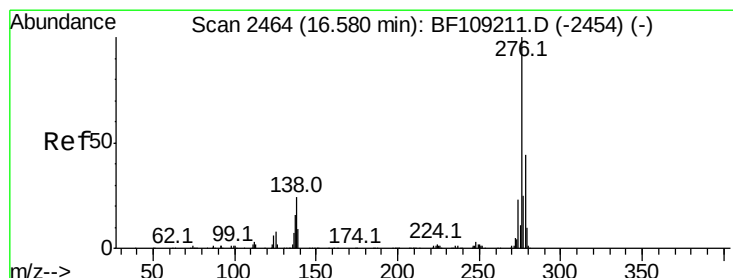
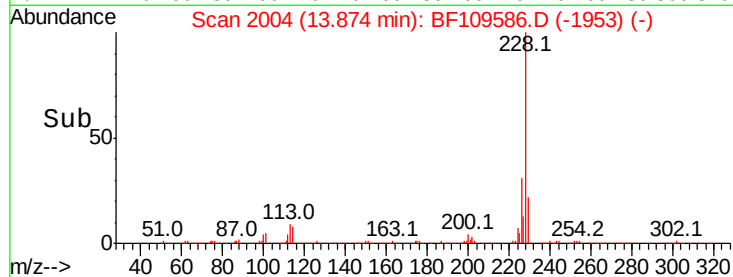
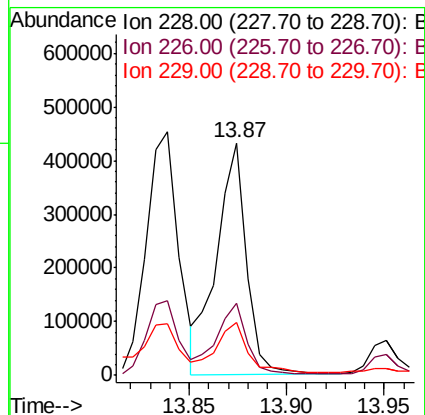
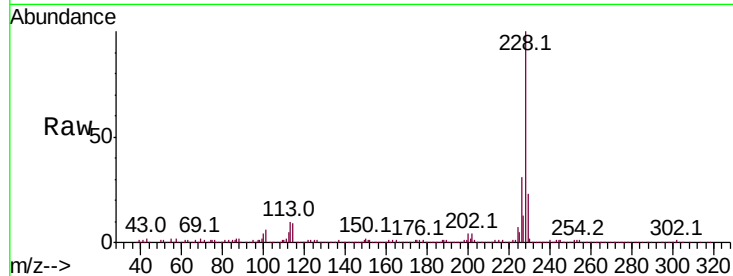
ClientSampleId :

SU-04-100318-B

Tot Ion:	228	Resp:	459705
Ion Ratio	Lower	Upper	
228	100		
226	31.0	25.0	37.6
229	22.7	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 17.381 ng

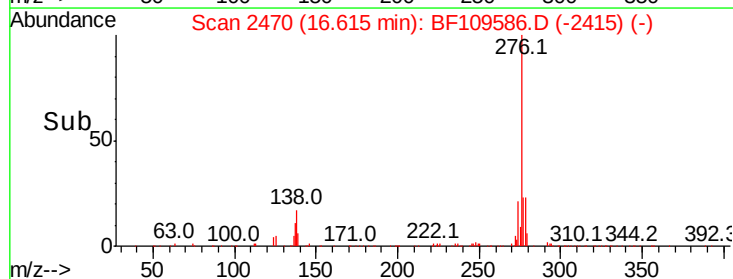
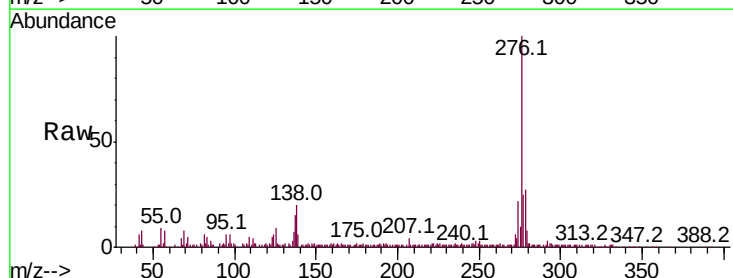
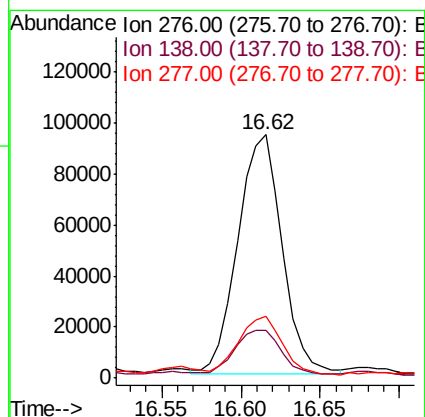
RT: 16.62 min Scan# 2470

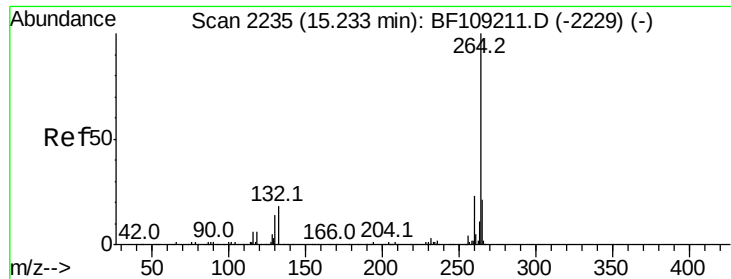
Delta R.T. 0.02 min

Lab File: BF109586.D

Acq: 4 Oct 2018 15:04

Tgt Ion:	276	Resp:	182164
Ion Ratio	Lower	Upper	
276	100		
138	19.7	25.0	37.6#
277	23.7	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.25 min Scan# 2238

Delta R.T. 0.01 min

Lab File: BF109586.D

Acq: 4 Oct 2018 15:04

Instrument :

BNA_F

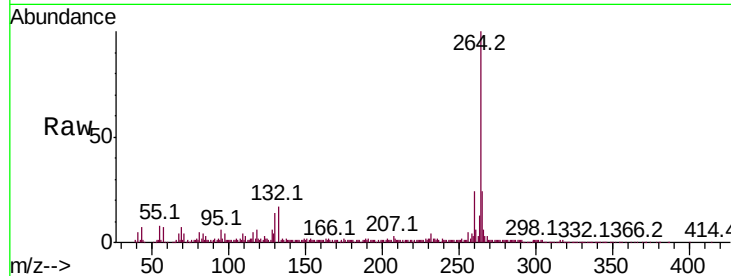
ClientSampleId :

SU-04-100318-B

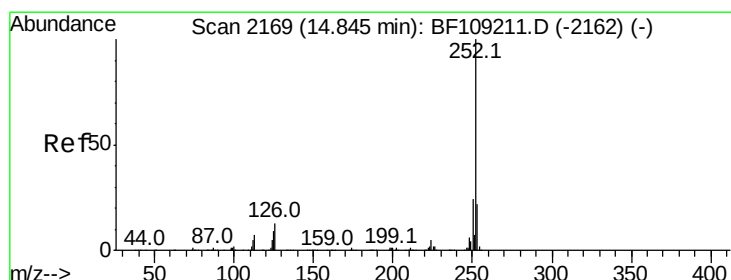
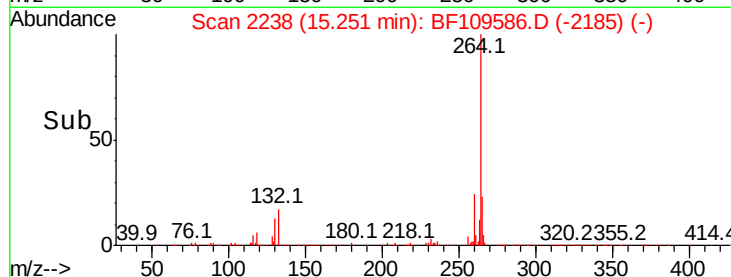
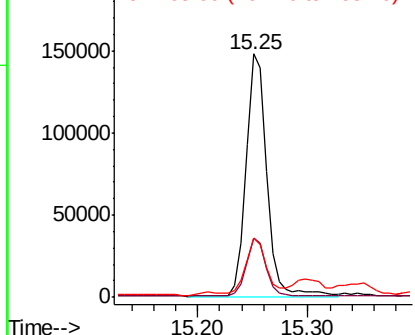
Tot Ion:	264	Resp:	196327
Ion Ratio		Lower	Upper
264	100		
260	24.5	19.2	28.8
265	24.2	17.5	26.3

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



#87

Benzo(b)fluoranthene

Concen: 49.467 ng m

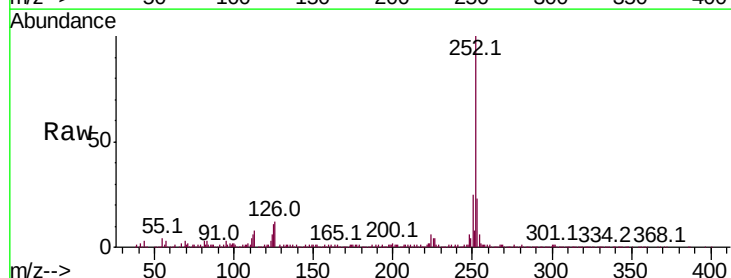
RT: 14.86 min Scan# 2171

Delta R.T. 0.01 min

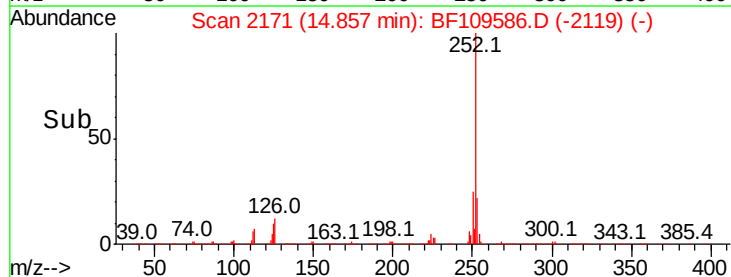
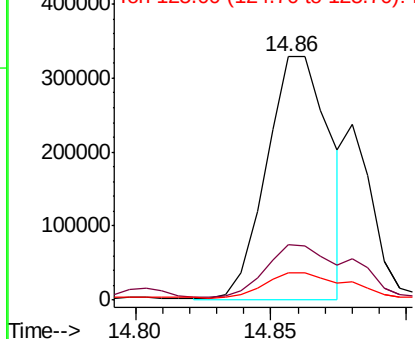
Lab File: BF109586.D

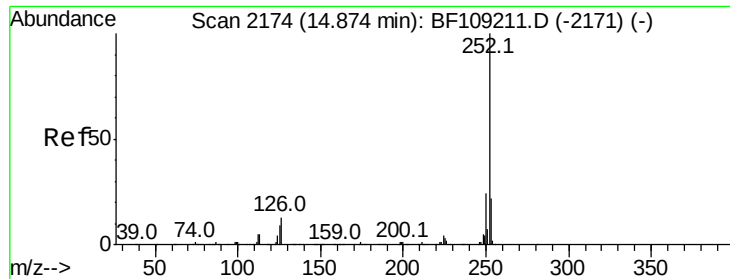
Acq: 4 Oct 2018 15:04

Tgt Ion:	252	Resp:	533648
Ion Ratio		Lower	Upper
252	100		
253	22.8	17.0	25.6
125	11.3	9.0	13.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





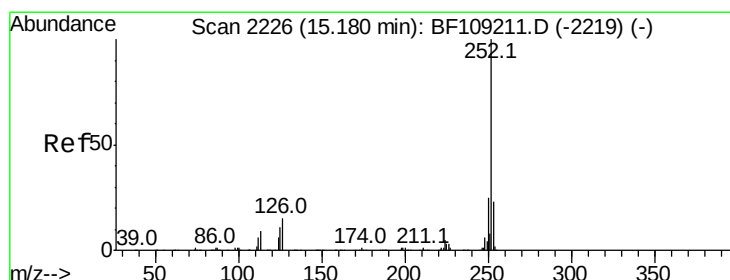
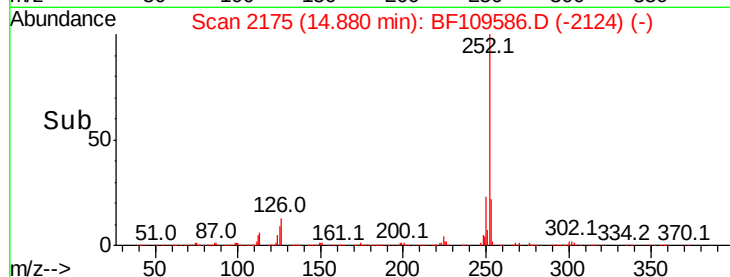
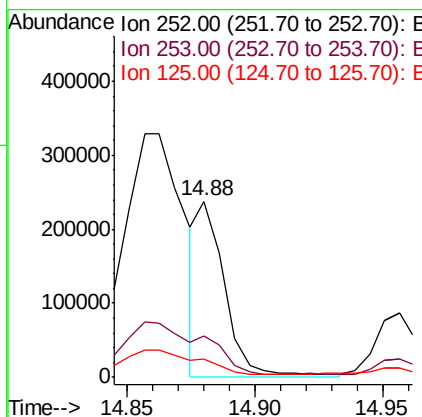
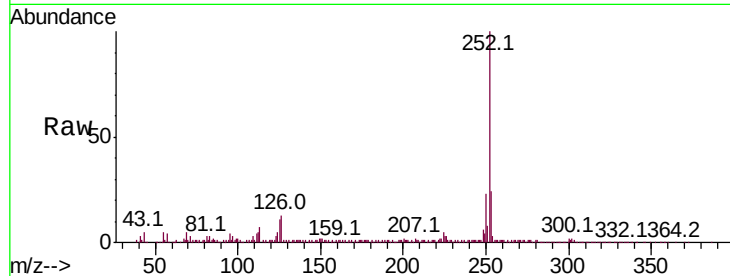
#88
Benzo(k)fluoranthene
Concen: 17.547 ng m
RT: 14.88 min Scan# 2175
Delta R.T. 0.00 min
Lab File: BF109586.D
Acq: 4 Oct 2018 15:04

Instrument :
BNA_F
ClientSampleId :
SU-04-100318-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	10.6	10.2	15.2

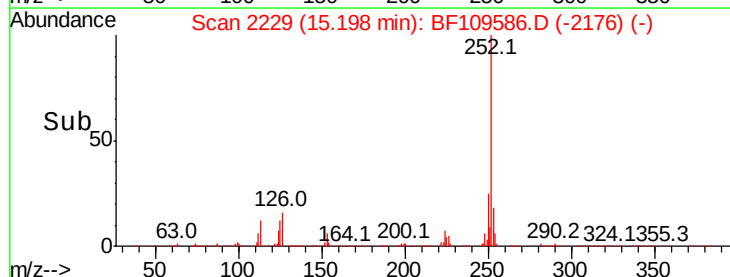
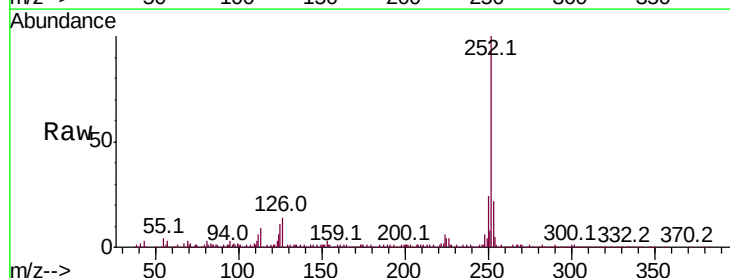
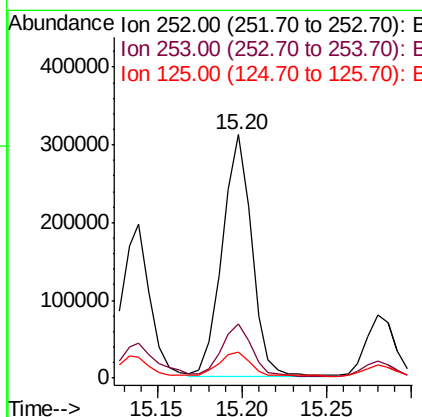
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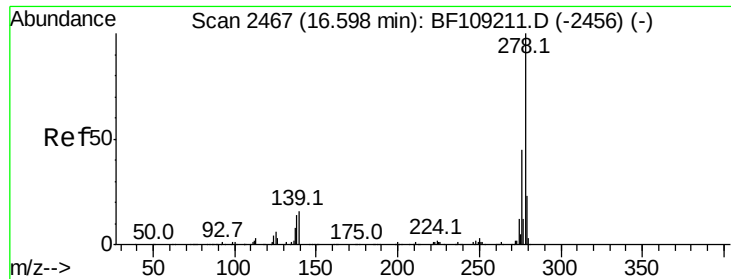
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#89
Benzo(a)pyrene
Concen: 38.956 ng
RT: 15.20 min Scan# 2229
Delta R.T. 0.01 min
Lab File: BF109586.D
Acq: 4 Oct 2018 15:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	10.5	9.8	14.6





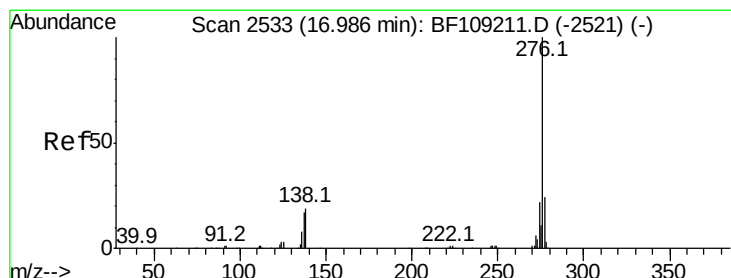
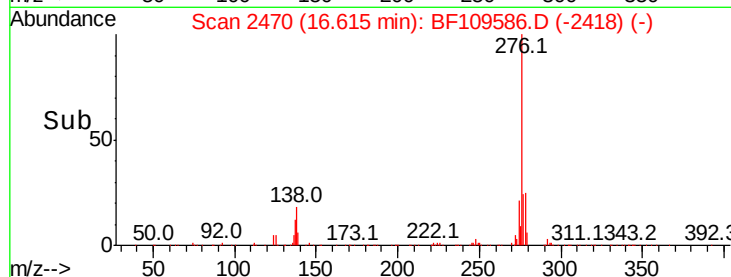
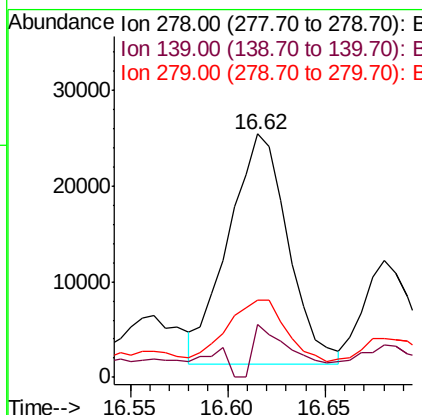
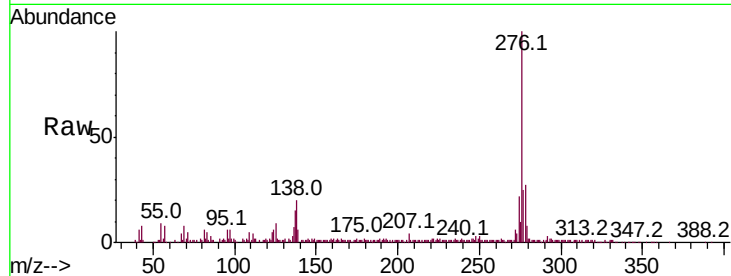
#90
Dibenzo(a,h)anthracene
Concen: 6.390 ng
RT: 16.62 min Scan# 2470
Delta R.T. 0.01 min
Lab File: BF109586.D
Acq: 4 Oct 2018 15:04

Instrument :
BNA_F
ClientSampleId :
SU-04-100318-B

Tot Ion	Ratio	Lower	Upper
278	100		
139	21.6	15.9	23.9
279	31.5	19.0	28.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 20.833 ng
RT: 17.02 min Scan# 2539
Delta R.T. 0.02 min
Lab File: BF109586.D
Acq: 4 Oct 2018 15:04

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	17.9	26.9
138	18.6	21.8	32.8

