

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100418\
 Data File : BF109585.D
 Acq On : 4 Oct 2018 14:37
 Operator : JU/SJ
 Sample : J5204-01 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

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

Manual Integrations
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Sohil
 10/5/2018 11:56:27 AM

Quant Time: Oct 04 16:17:37 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	117175	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	466081	20.00	ng	-0.01
38) Acenaphthene-d10	9.73	164	203538	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	319606	20.00	ng	0.00
75) Chrysene-d12	13.85	240	246013	20.00	ng	0.00
86) Perylene-d12	15.25	264	252971	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	270318	38.00	ng	0.00
7) Phenol-d6	6.34	99	379351	41.79	ng	-0.02
23) Nitrobenzene-d5	7.26	82	239356	30.32	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	73699	36.73	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	439996	32.60	ng	-0.02
78) Terphenyl-d14	12.79	244	288063	28.74	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.00	128	67162	3.084	ng	98
37) 2-Methylnaphthalene	8.70	142	28987	2.065	ng	93
48) Acenaphthylene	9.59	152	48695	2.436	ng	98
49) Dimethylphthalate	9.45	163	49407	3.337	ng	# 96
51) Acenaphthene	9.76	154	53667	4.441	ng	98
54) Dibenzofuran	9.94	168	93698	5.214	ng	98
57) Fluorene	10.27	166	143866	11.220	ng	97
70) Phenanthrene	11.24	178	835729	52.371	ng	99
71) Anthracene	11.29	178	275291	17.008	ng	99
72) Carbazole	11.45	167	72071	4.475	ng	99
74) Fluoranthene	12.43	202	1066759	62.553	ng	97
77) Pyrene	12.66	202	924144	52.415	ng	100
80) Benzo(a)anthracene	13.83	228	540303	36.462	ng	97
82) Chrysene	13.87	228	453793	30.898	ng	97
85) Indeno(1,2,3-cd)pyrene	16.60	276	178914	15.029	ng	# 87
87) Benzo(b)fluoranthene	14.86	252	602852m	43.369	ng	
88) Benzo(k)fluoranthene	14.88	252	151653m	11.497	ng	
89) Benzo(a)pyrene	15.19	252	386076	30.823	ng	96
90) Dibenzo(a,h)anthracene	16.61	278	49423	4.810	ng	# 92
91) Benzo(a,h,i)perylene	17.02	276	156183	15.465	ng	# 90

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

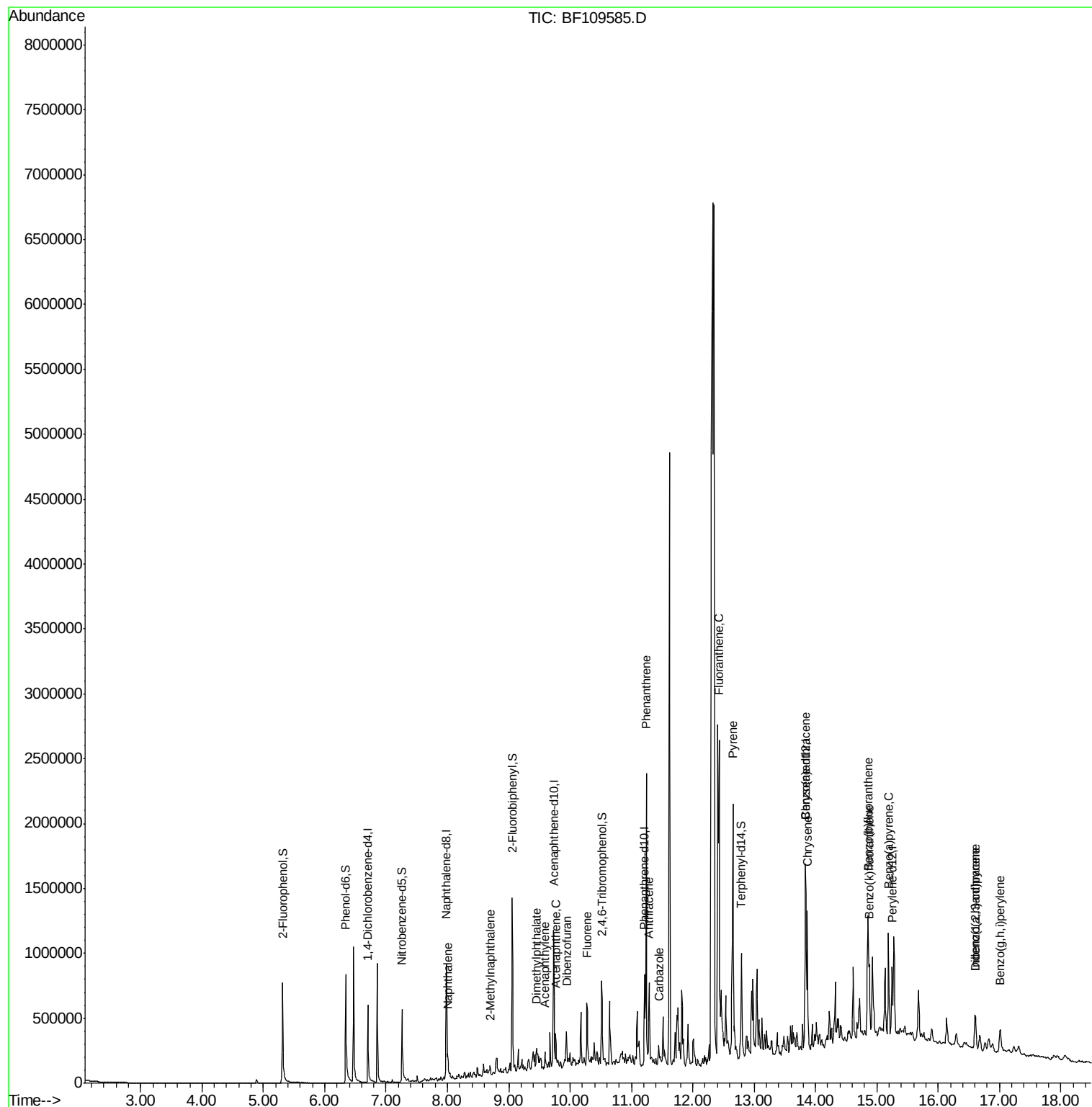
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100418\
Data File : BF109585.D
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Sample : J5204-01 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

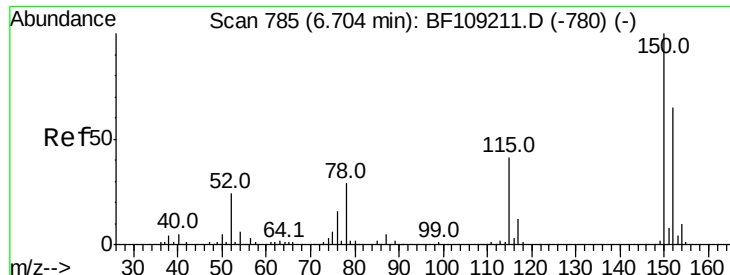
Instrument :
BNA_F
ClientSampleId :
SU-04-100318-A

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Quant Time: Oct 04 16:17:37 2018
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

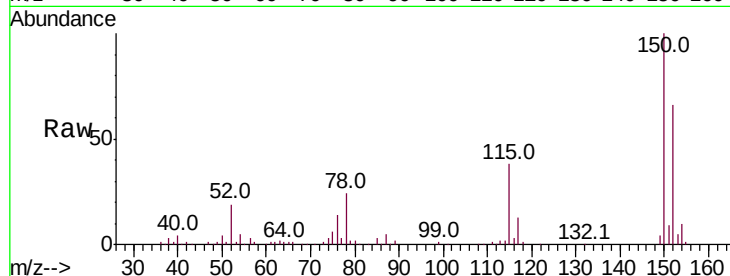
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109585.D
Acq: 4 Oct 2018 14:37

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.5	124.6	186.8
115	57.1	50.1	75.1

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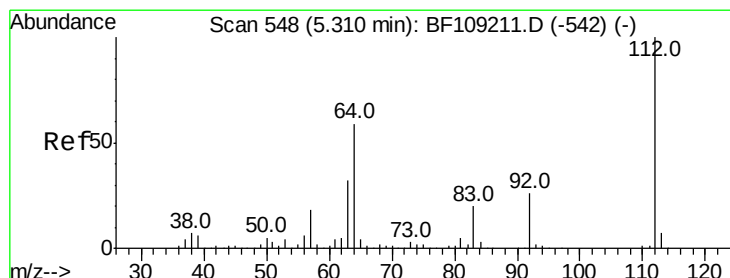
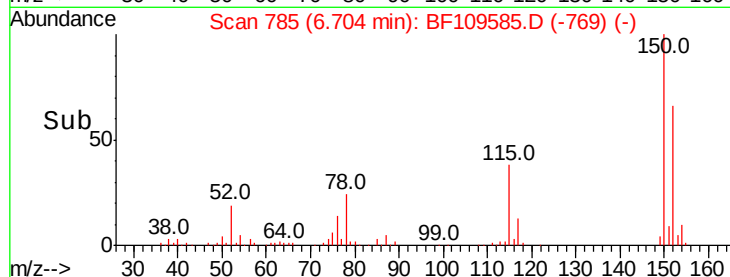
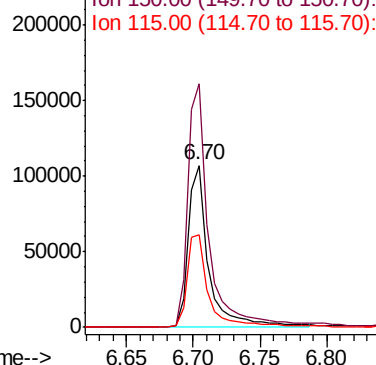


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

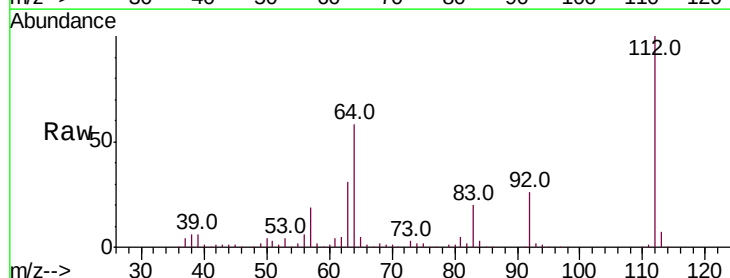
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 37.997 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF109585.D
Acq: 4 Oct 2018 14:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	47.9	71.9
63	30.7	23.7	35.5

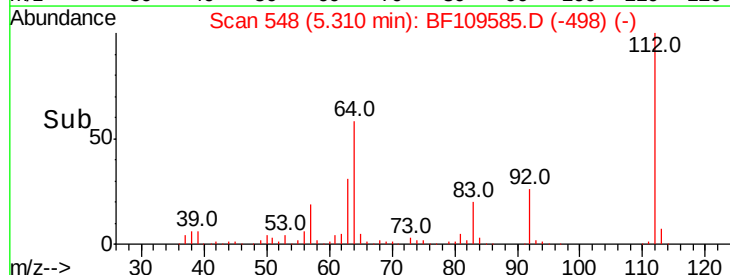
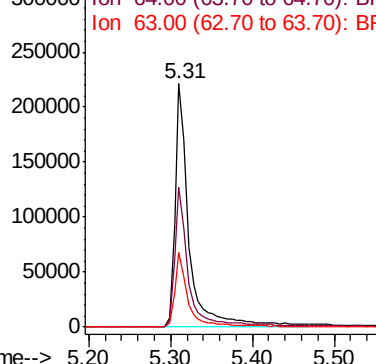


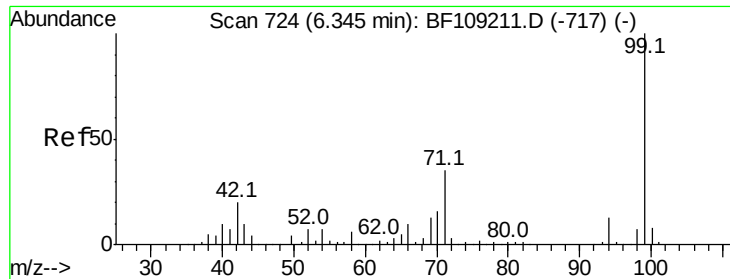
Abundance

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: 41.789 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109585.D

Acq: 4 Oct 2018 14:37

Instrument :

BNA_F

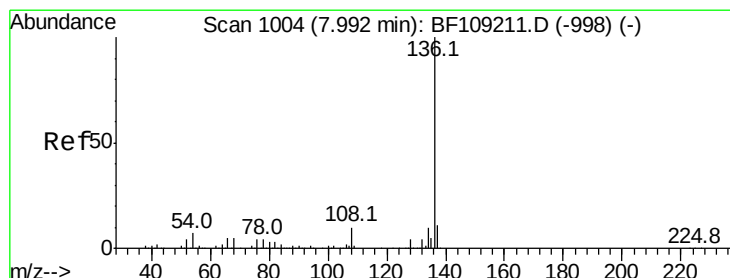
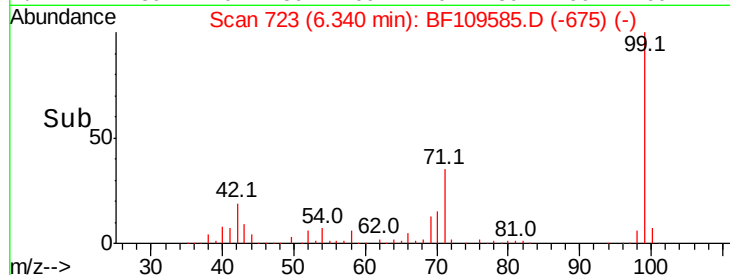
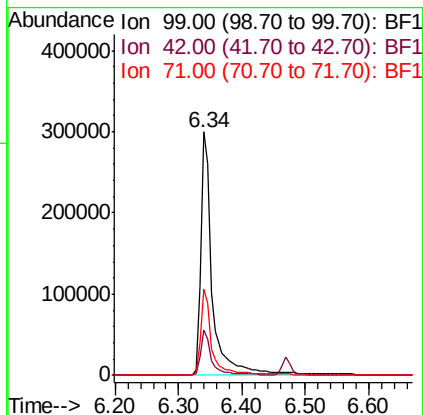
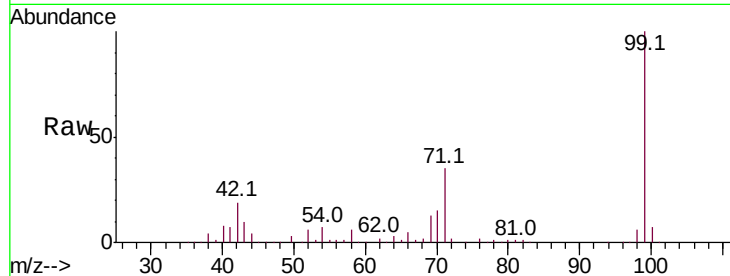
ClientSampleId :

SU-04-100318-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		379351		
42	18.7	14.5	21.7		
71	35.3	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

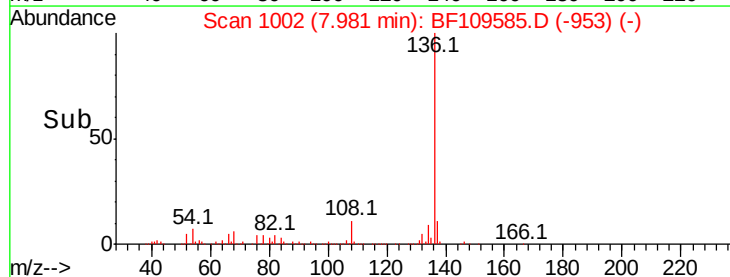
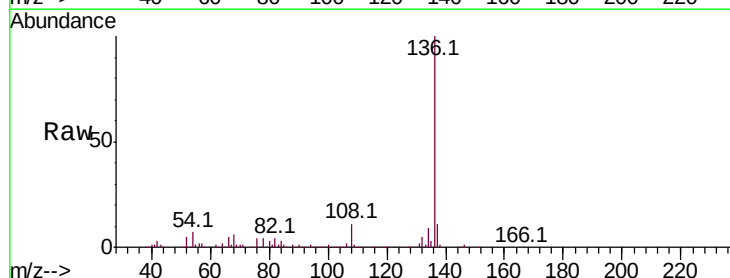
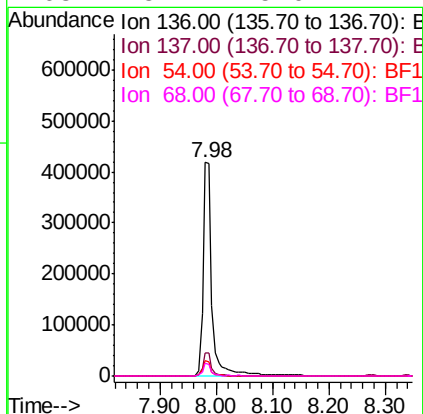
RT: 7.98 min Scan# 1002

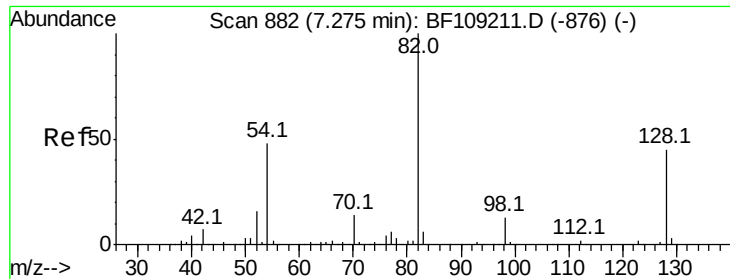
Delta R.T. -0.01 min

Lab File: BF109585.D

Acq: 4 Oct 2018 14:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		466081		
137	11.0	8.9	13.3		
54	7.4	6.6	9.8		
68	5.7	5.0	7.4		





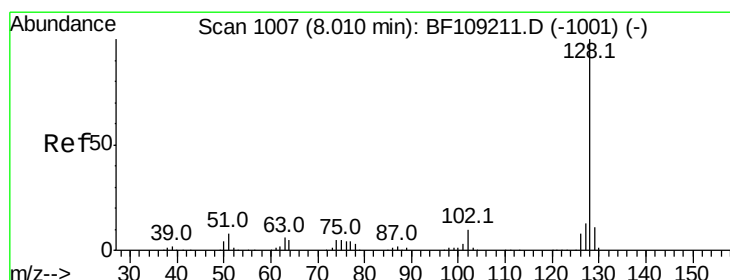
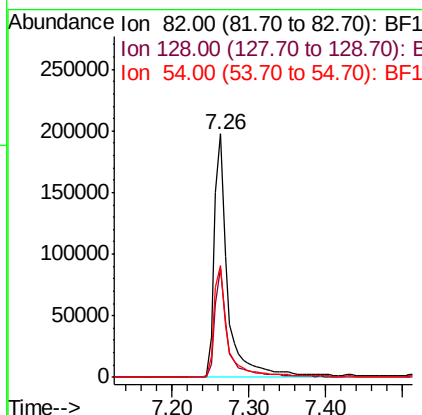
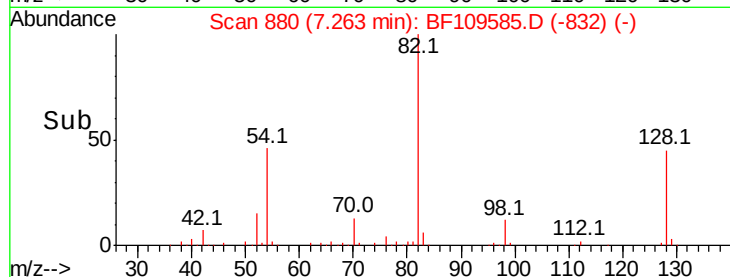
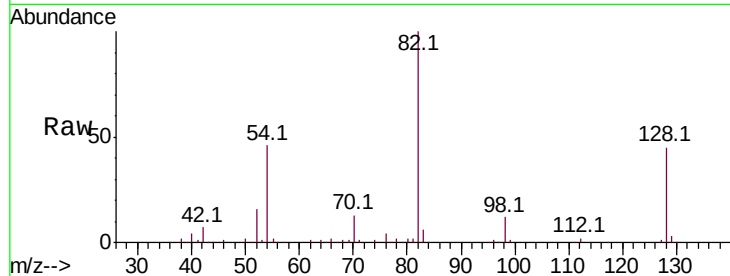
#23
Nitrobenzene-d5
Concen: 30.316 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF109585.D
Acq: 4 Oct 2018 14:37

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

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.1	36.1	54.1	
54	46.0	41.4	62.2	

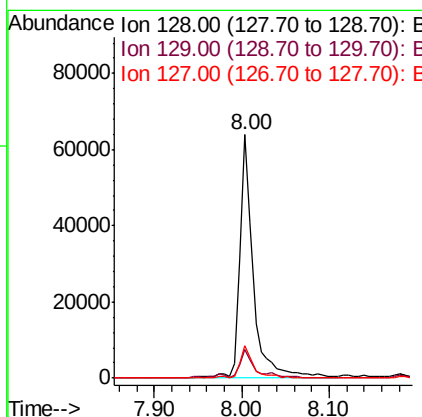
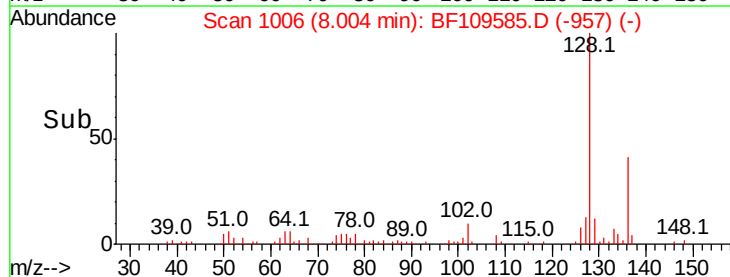
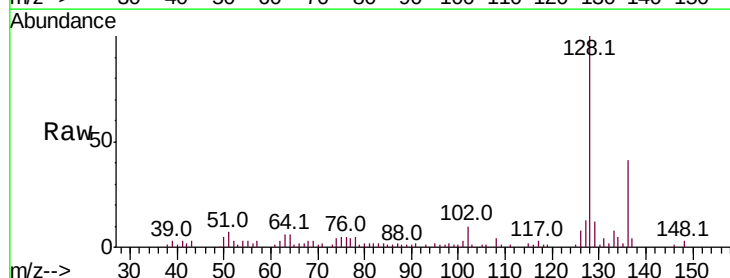
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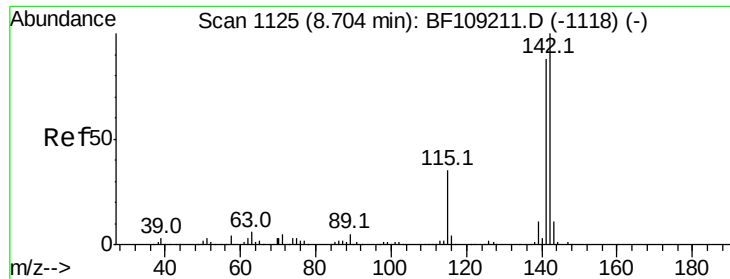
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#31
Naphthalene
Concen: 3.084 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF109585.D
Acq: 4 Oct 2018 14:37

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.9	8.8	13.2	
127	13.3	10.9	16.3	





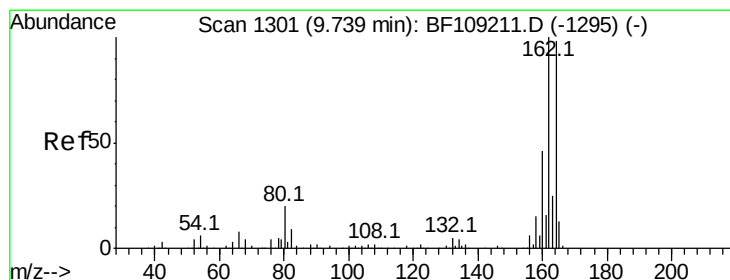
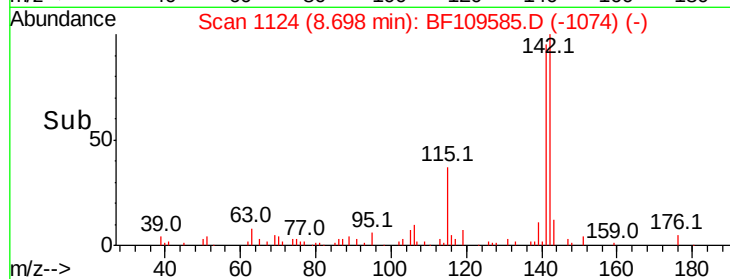
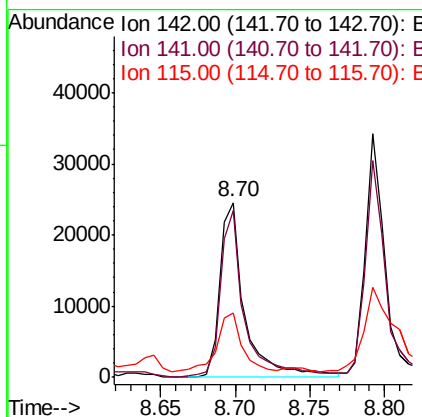
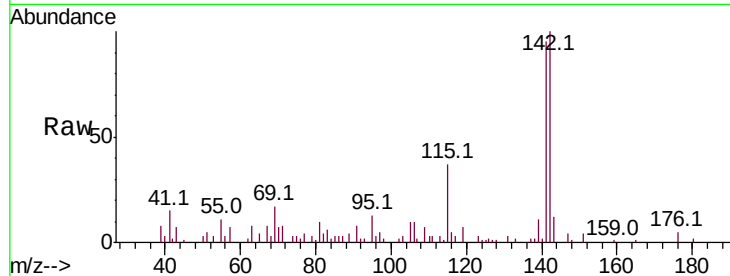
#37
2-Methylnaphthalene
Concen: 2.065 ng
RT: 8.70 min Scan# 1124
Delta R.T. -0.01 min
Lab File: BF109585.D
Acq: 4 Oct 2018 14:37

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

Tot Ion	Ratio	Lower	Upper
142	100		
141	95.3	70.8	106.2
115	36.7	26.1	39.1

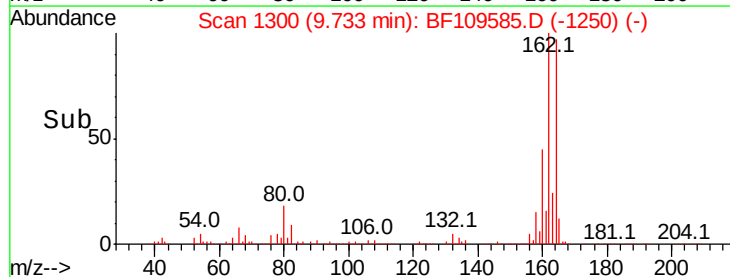
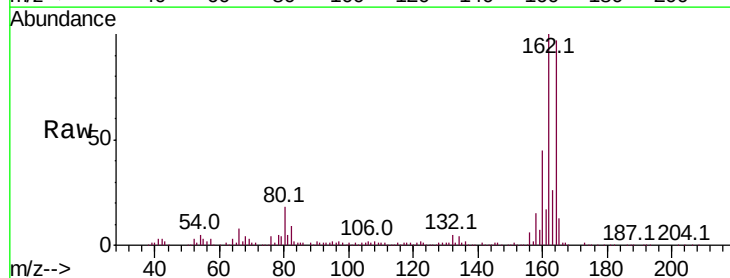
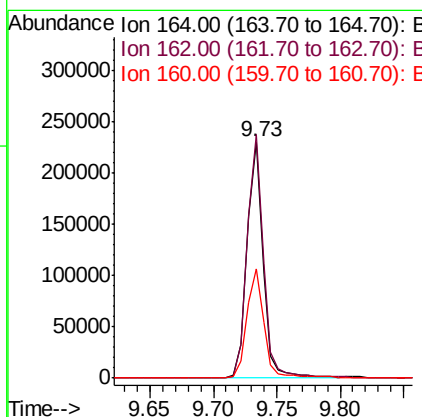
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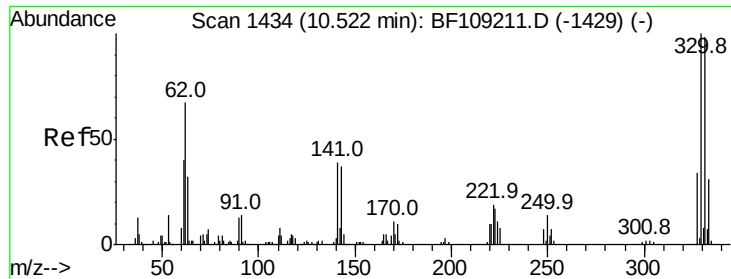
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF109585.D
Acq: 4 Oct 2018 14:37

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.0	86.1	129.1
160	46.4	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 36.731 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BF109585.D

Acq: 4 Oct 2018 14:37

Instrument :

BNA_F

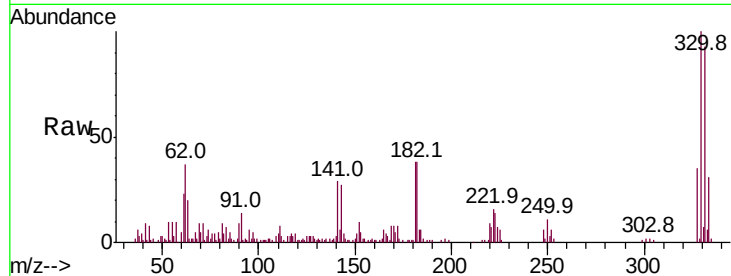
ClientSampleId :

SU-04-100318-A

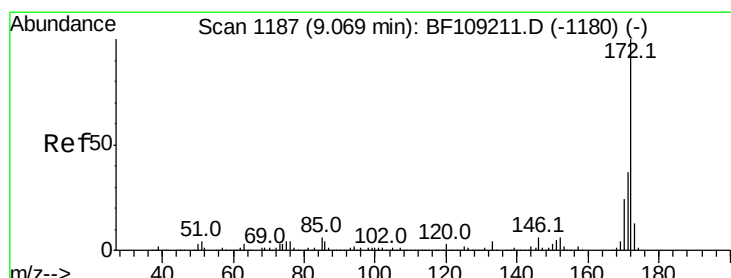
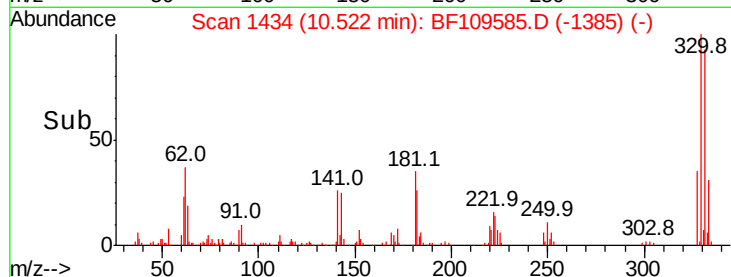
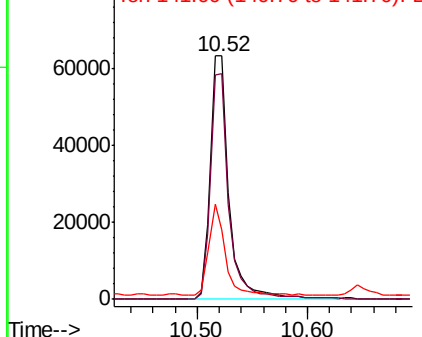
Tot Ion:	330	Resp:	73699
Ion Ratio	Lower	Upper	
330	100		
332	91.6	77.0	115.6
141	33.3	29.9	44.9

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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: 32.603 ng

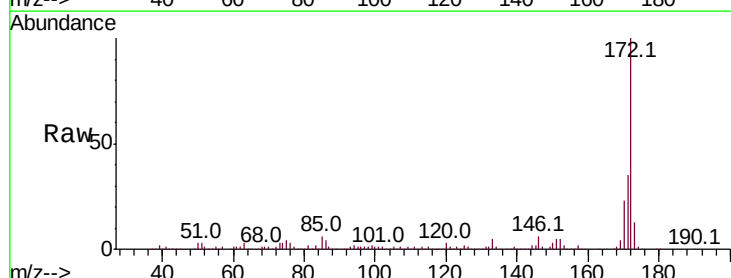
RT: 9.06 min Scan# 1185

Delta R.T. -0.02 min

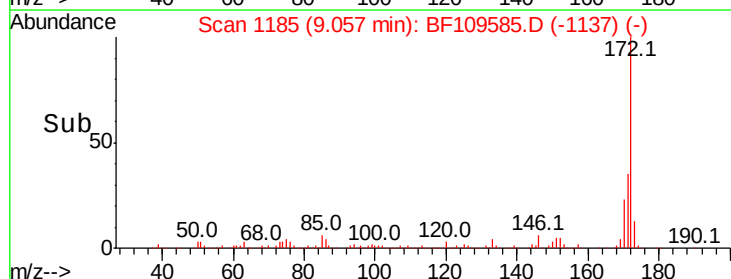
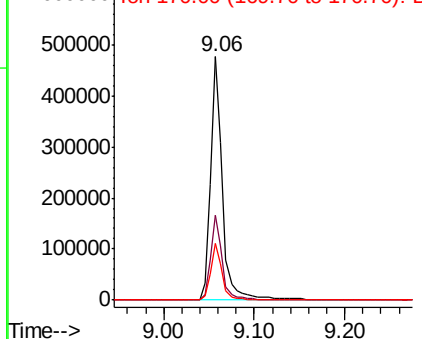
Lab File: BF109585.D

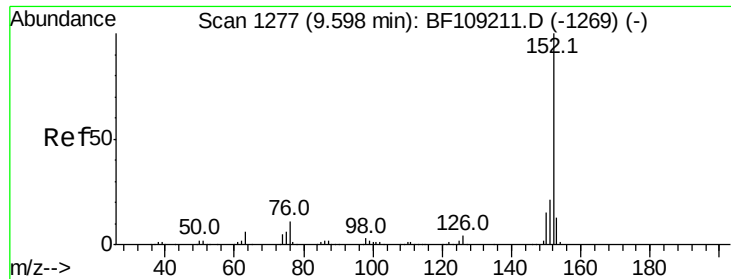
Acq: 4 Oct 2018 14:37

Tgt Ion:	172	Resp:	439996
Ion Ratio	Lower	Upper	
172	100		
171	34.7	29.7	44.5
170	23.5	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: 2.436 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF109585.D

Acq: 4 Oct 2018 14:37

Instrument :

BNA_F

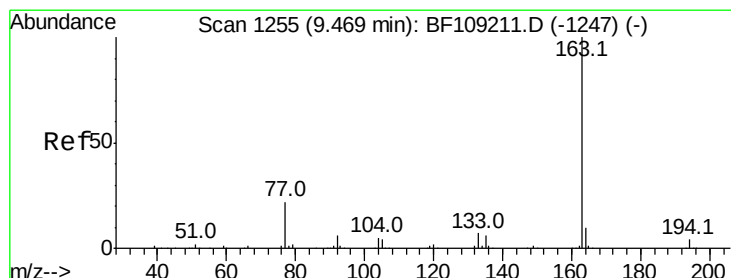
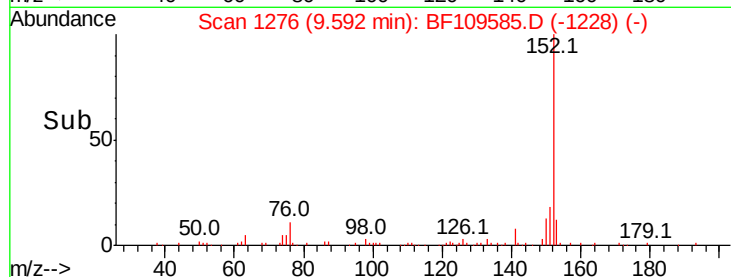
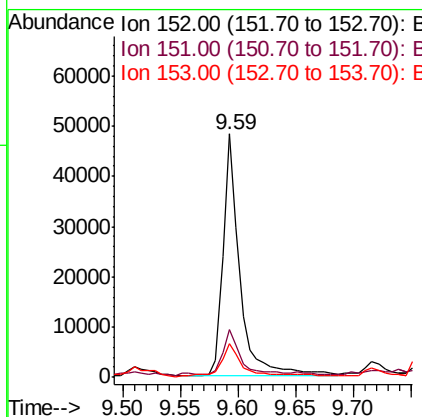
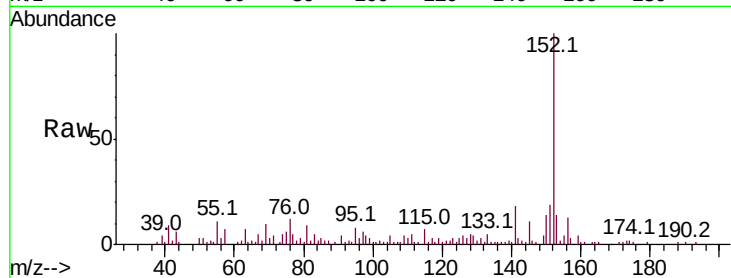
ClientSampleId :

SU-04-100318-A

Tot Ion:	152	Resp:	48695
Ion Ratio	Lower	Upper	
152	100		
151	19.4	16.3	24.5
153	13.7	10.7	16.1

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#49

Dimethylphthalate

Concen: 3.337 ng

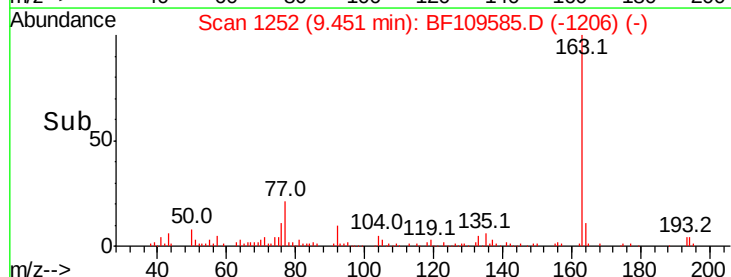
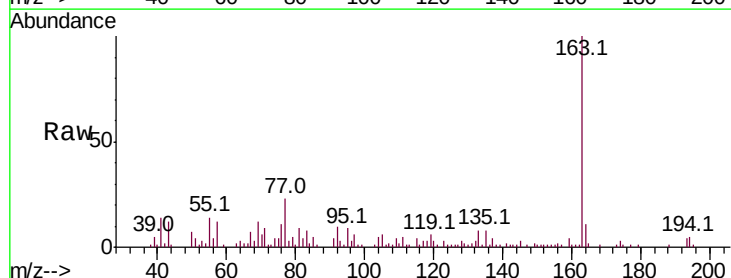
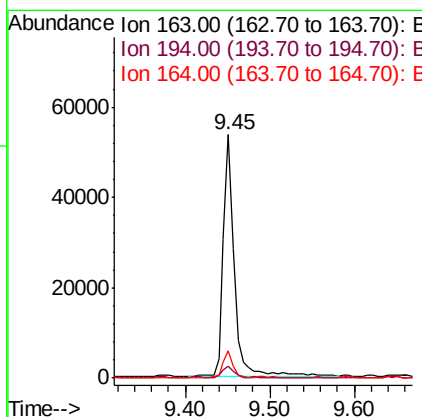
RT: 9.45 min Scan# 1252

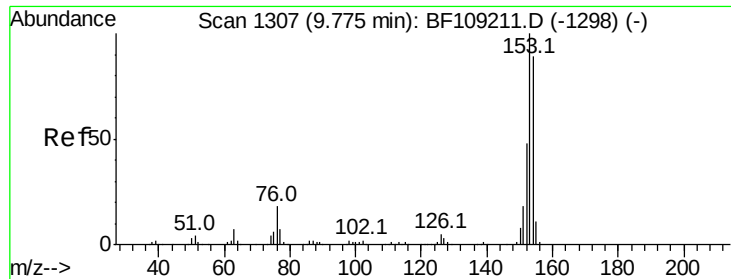
Delta R.T. -0.03 min

Lab File: BF109585.D

Acq: 4 Oct 2018 14:37

Tgt Ion:	163	Resp:	49407
Ion Ratio	Lower	Upper	
163	100		
194	5.0	2.7	4.1#
164	11.4	8.2	12.2





#51

Acenaphthene

Concen: 4.441 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.02 min

Lab File: BF109585.D

Acq: 4 Oct 2018 14:37

Instrument :

BNA_F

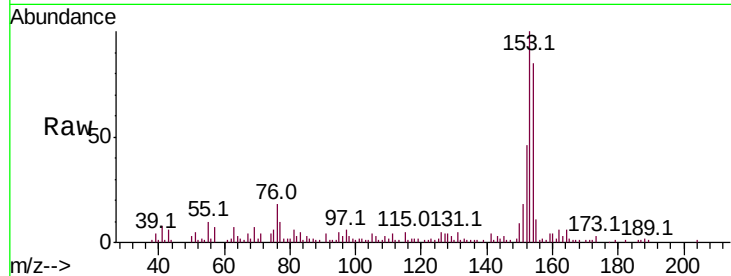
ClientSampleId :

SU-04-100318-A

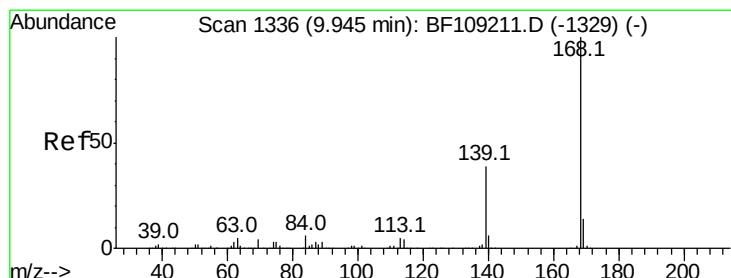
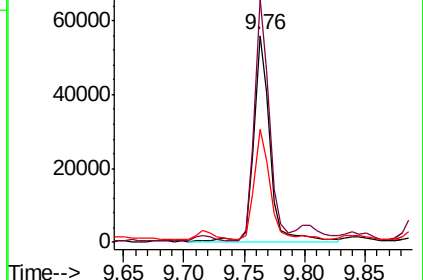
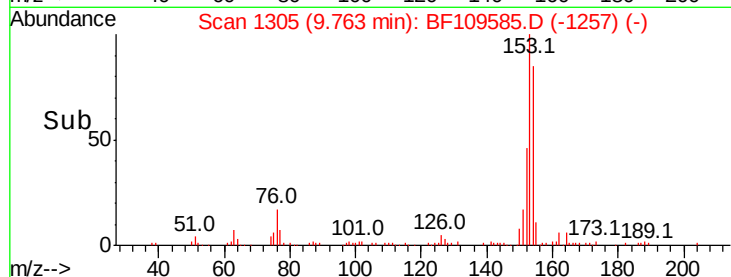
Tot Ion:	154	Resp:	53667
Ion	Ratio	Lower	Upper
154	100		
153	117.6	91.2	136.8
152	54.5	43.8	65.8

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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: 5.214 ng

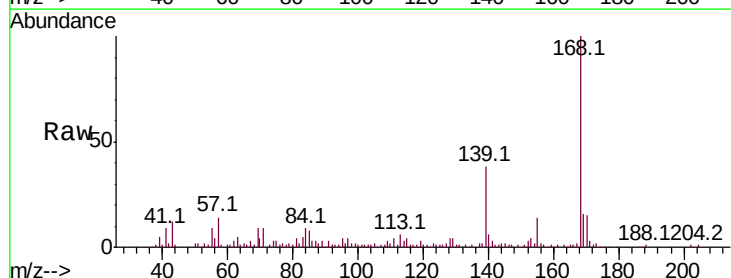
RT: 9.94 min Scan# 1335

Delta R.T. -0.01 min

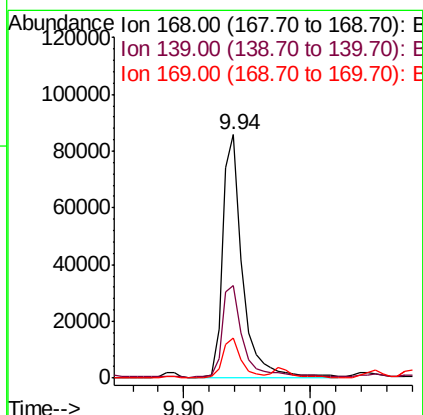
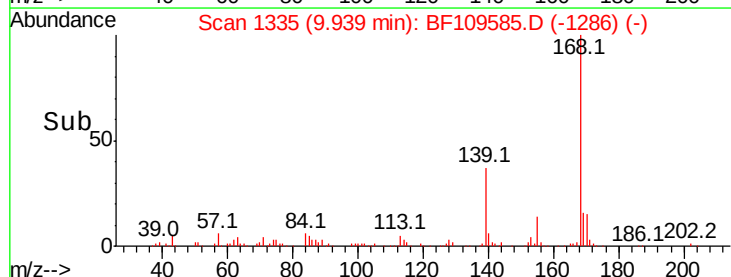
Lab File: BF109585.D

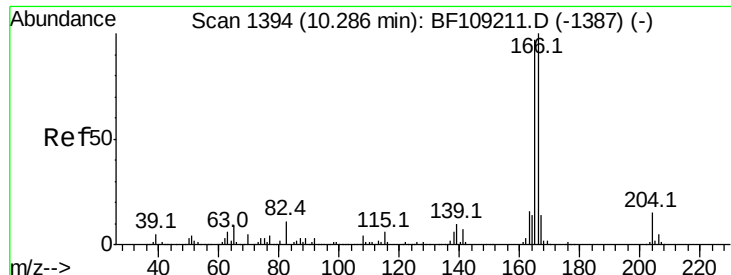
Acq: 4 Oct 2018 14:37

Tgt Ion:	168	Resp:	93698
Ion	Ratio	Lower	Upper
168	100		
139	37.8	30.1	45.1
169	16.3	10.9	16.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





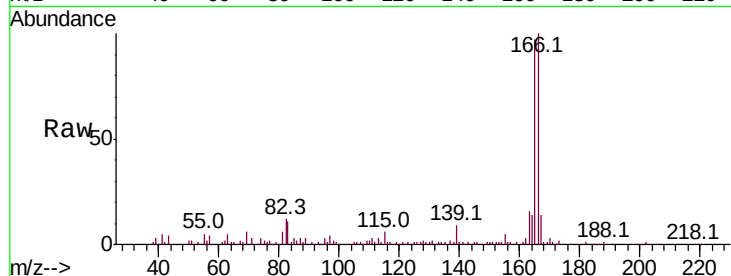
#57
Fluorene
Concen: 11.220 ng
RT: 10.27 min Scan# 1392
Delta R.T. -0.02 min
Lab File: BF109585.D
Acq: 4 Oct 2018 14:37

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

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.0	79.8	119.8
167	14.2	10.6	16.0

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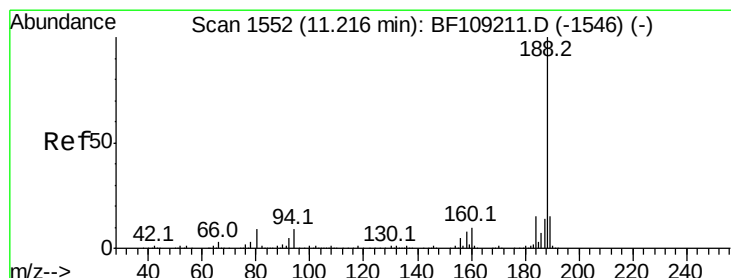
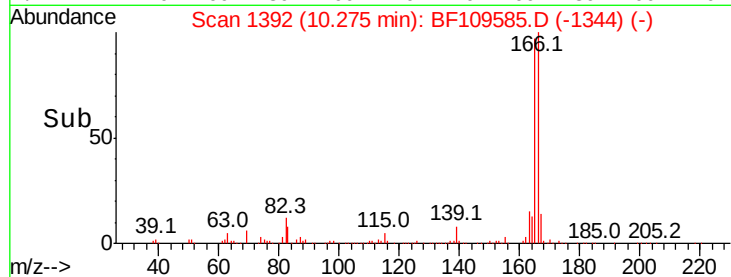
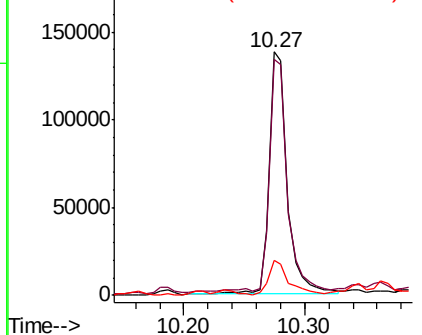


Abundance

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: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF109585.D
Acq: 4 Oct 2018 14:37

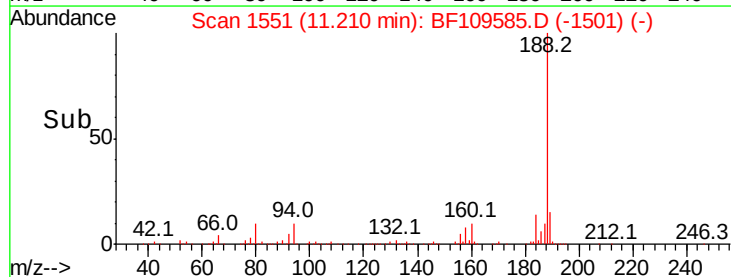
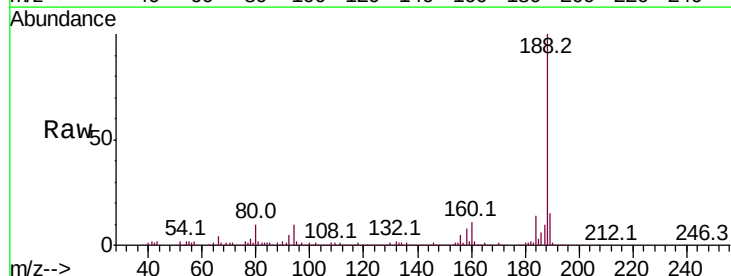
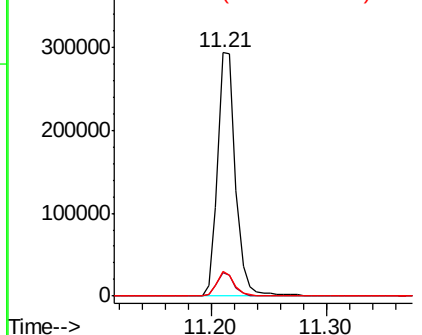
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.5	12.7
80	10.0	9.2	13.8

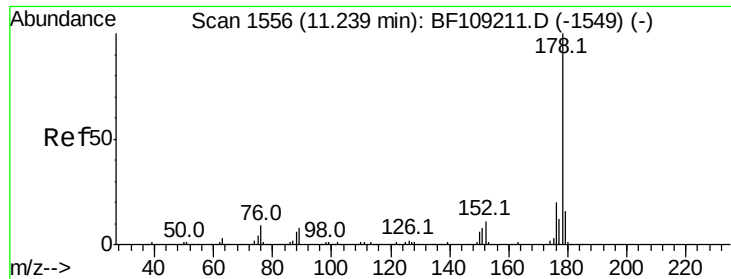
Abundance

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: 52.371 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF109585.D

Acq: 4 Oct 2018 14:37

Instrument :

BNA_F

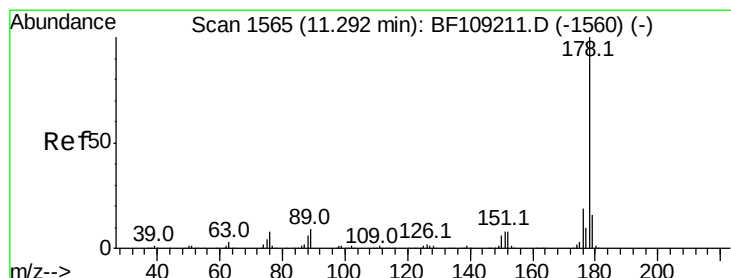
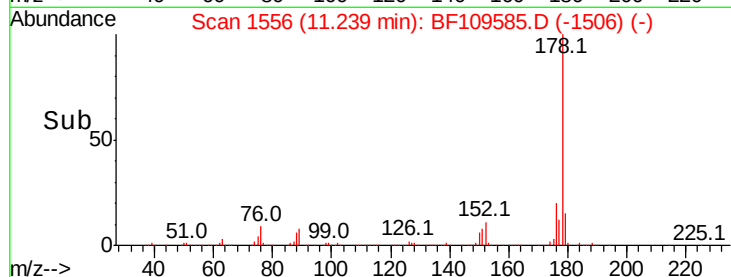
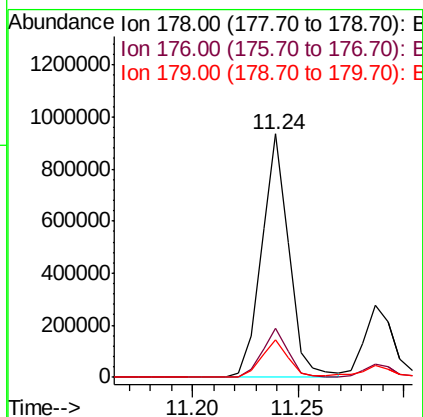
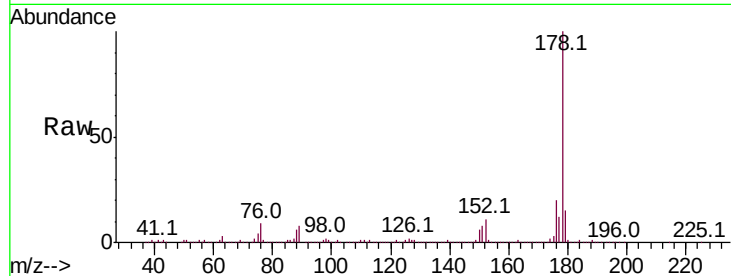
ClientSampleId :

SU-04-100318-A

Tot Ion:178	Resp:	835729
Ion Ratio	Lower	Upper
178	100	
176	20.1	15.8 23.8
179	15.4	13.0 19.6

Manual Integrations
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#71

Anthracene

Concen: 17.008 ng

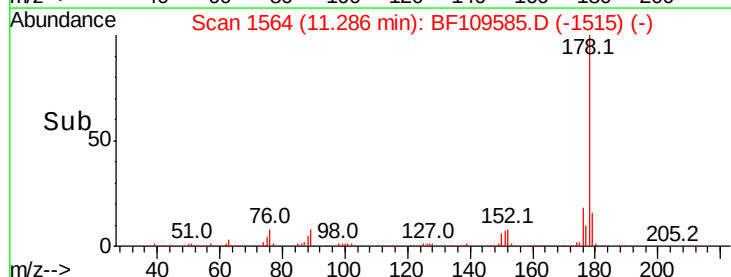
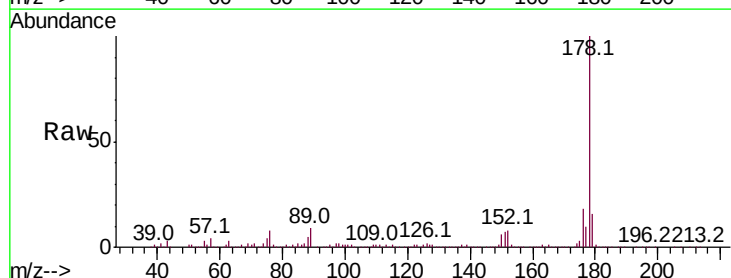
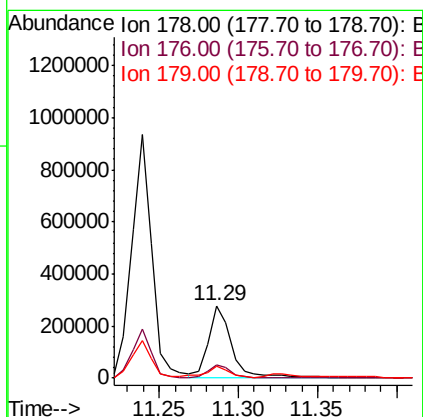
RT: 11.29 min Scan# 1564

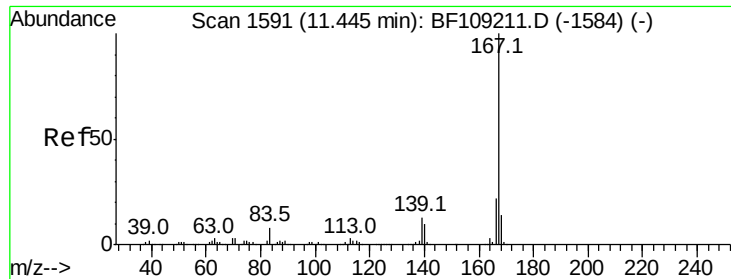
Delta R.T. -0.01 min

Lab File: BF109585.D

Acq: 4 Oct 2018 14:37

Tgt Ion:178	Resp:	275291
Ion Ratio	Lower	Upper
178	100	
176	18.4	15.4 23.2
179	16.0	12.6 19.0





#72

Carbazole

Concen: 4.475 ng

RT: 11.45 min Scan# 1591

Delta R.T. -0.01 min

Lab File: BF109585.D

Acq: 4 Oct 2018 14:37

Instrument :

BNA_F

ClientSampleId :

SU-04-100318-A

Tot Ion:167 Resp: 72071

Ion Ratio Lower Upper

167 100

166 22.4 17.6 26.4

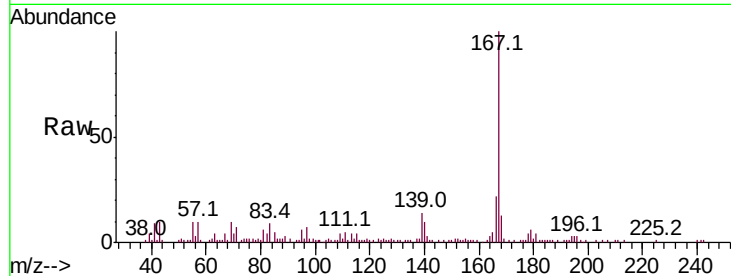
139 14.4 10.9 16.3

Manual Integrations

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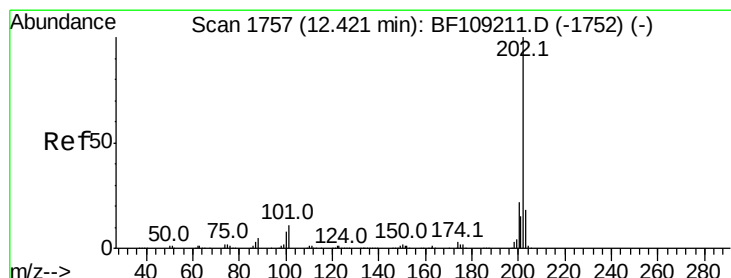
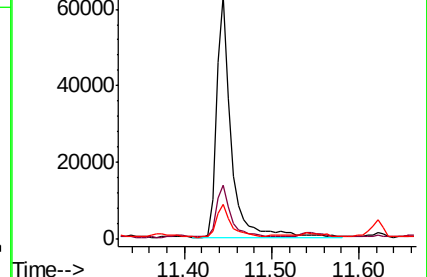
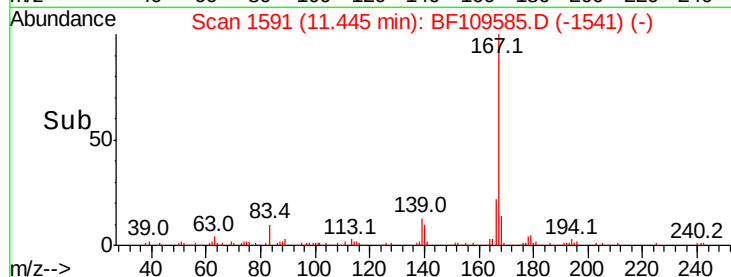
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Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 62.553 ng

RT: 12.43 min Scan# 1758

Delta R.T. 0.00 min

Lab File: BF109585.D

Acq: 4 Oct 2018 14:37

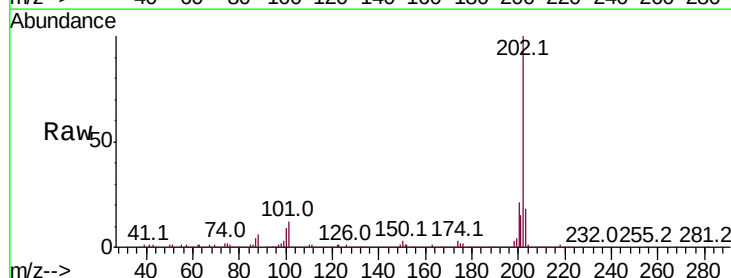
Tgt Ion:202 Resp: 1066759

Ion Ratio Lower Upper

202 100

101 11.7 0.0 34.1

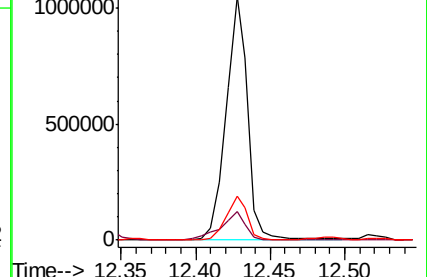
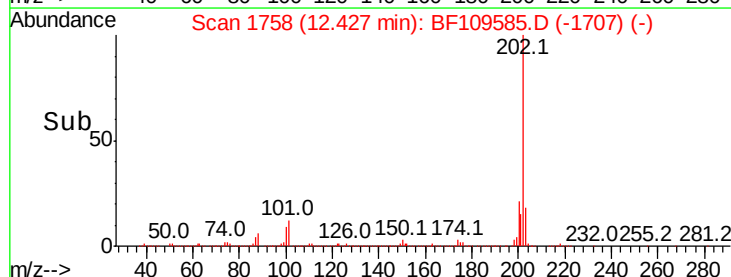
203 18.0 0.0 38.1

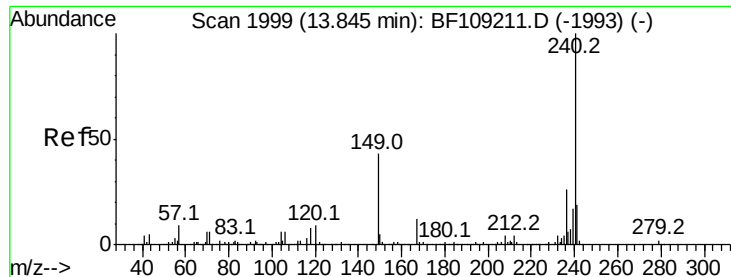


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.85 min Scan# 1999

Delta R.T. 0.00 min

Lab File: BF109585.D

Acq: 4 Oct 2018 14:37

Instrument :

BNA_F

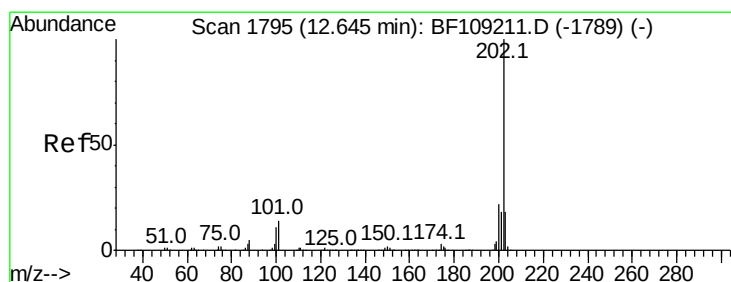
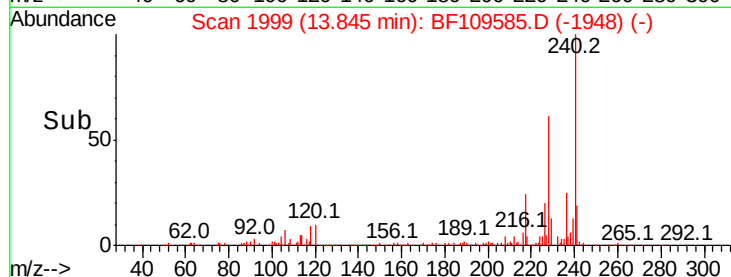
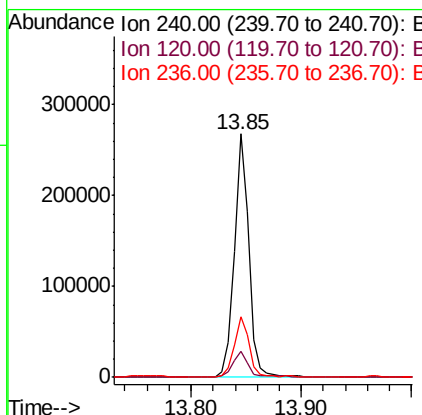
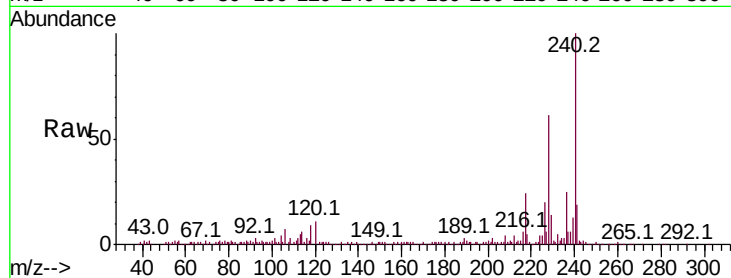
ClientSampleId :

SU-04-100318-A

Tot Ion	Ratio	Resp	Lower	Upper
240	100	246013		
120	10.7		9.5	14.3
236	25.1		20.7	31.1

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#77

Pyrene

Concen: 52.415 ng

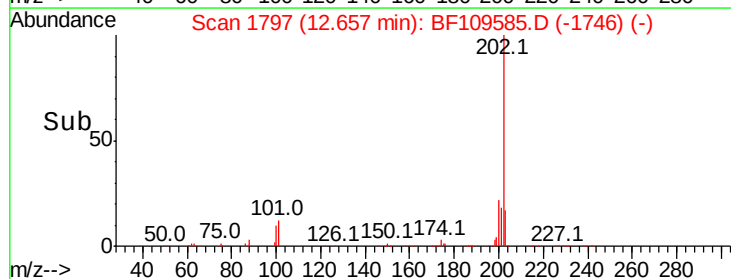
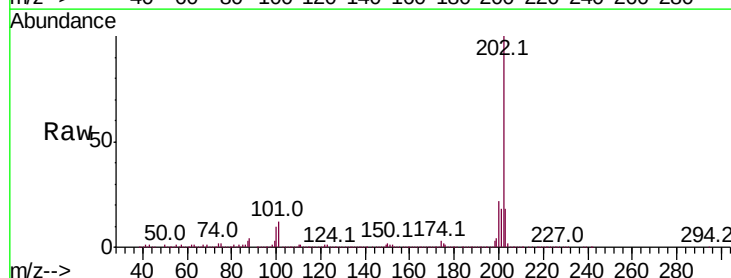
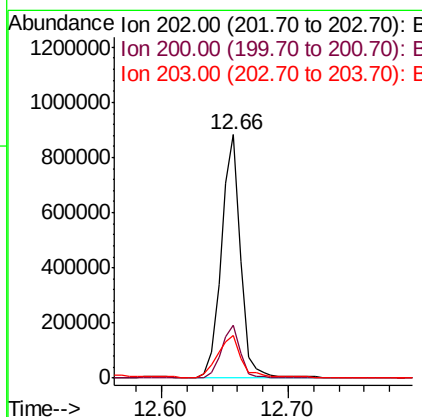
RT: 12.66 min Scan# 1797

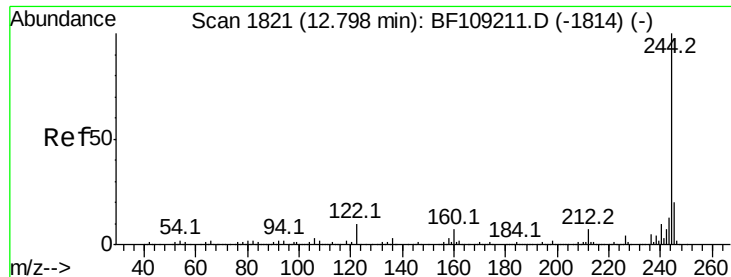
Delta R.T. 0.00 min

Lab File: BF109585.D

Acq: 4 Oct 2018 14:37

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	924144		
200	21.6		17.4	26.2
203	17.7		14.3	21.5





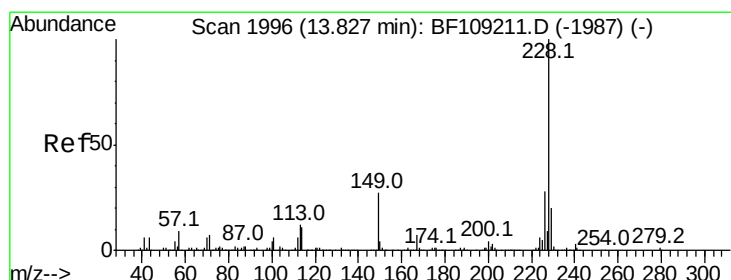
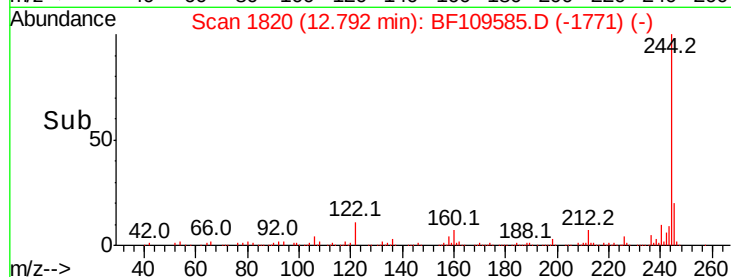
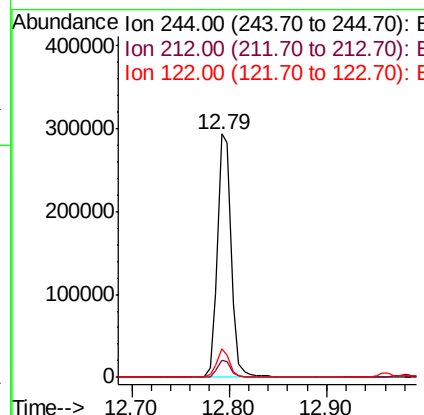
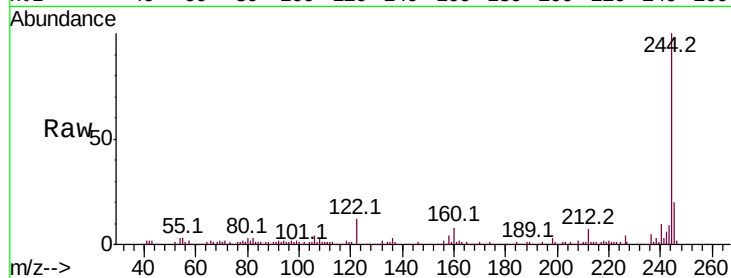
#78
 Terphenyl-d14
 Concen: 28.736 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF109585.D
 Acq: 4 Oct 2018 14:37

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

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	11.5	11.0	16.4

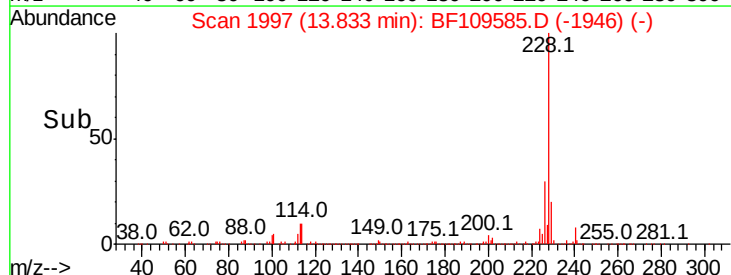
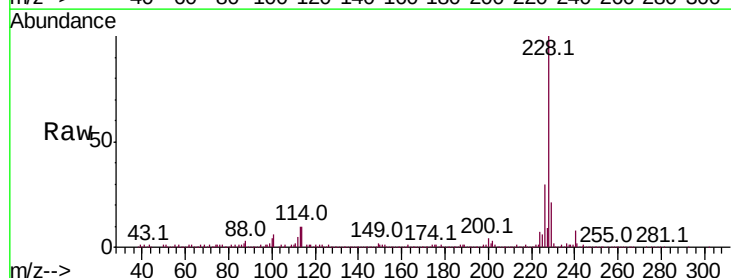
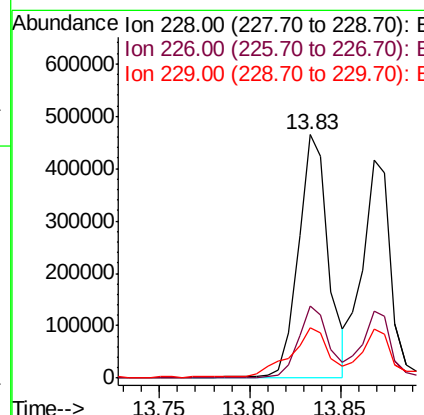
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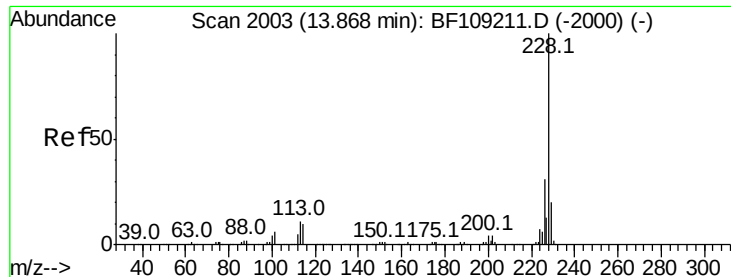
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#80
 Benzo(a)anthracene
 Concen: 36.462 ng
 RT: 13.83 min Scan# 1997
 Delta R.T. 0.00 min
 Lab File: BF109585.D
 Acq: 4 Oct 2018 14:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.6	33.8
229	20.8	15.8	23.6





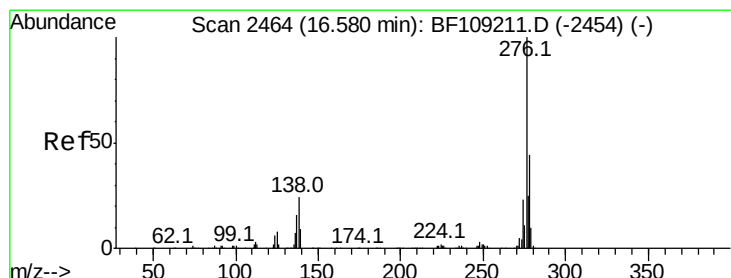
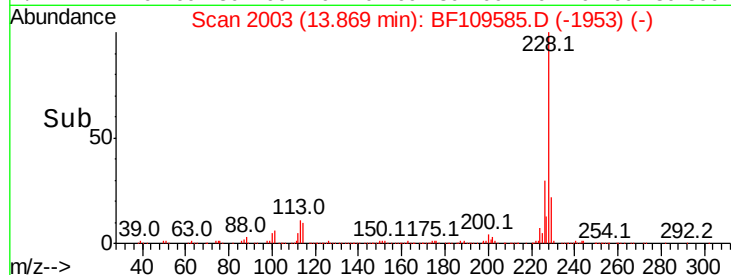
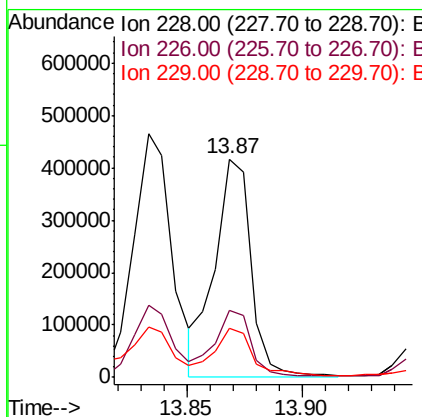
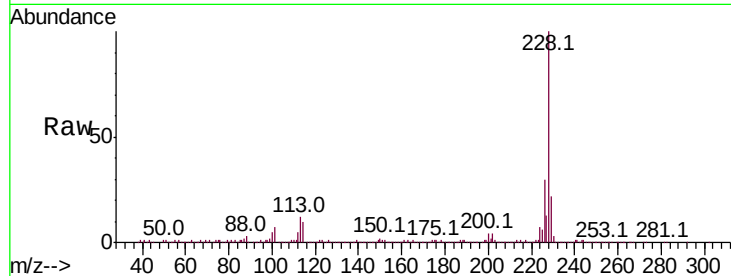
#82
Chrysene
Concen: 30.898 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF109585.D
Acq: 4 Oct 2018 14:37

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.0	37.6
229	22.2	16.2	24.4

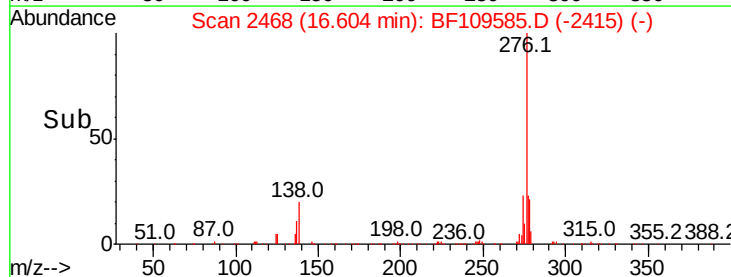
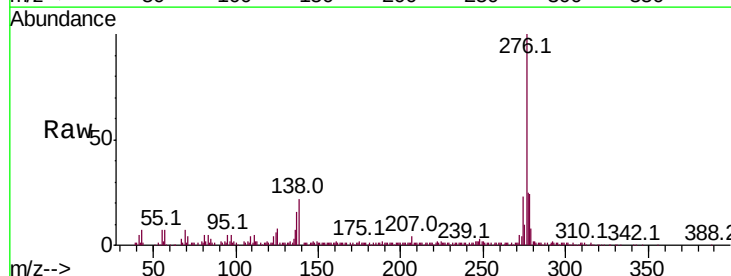
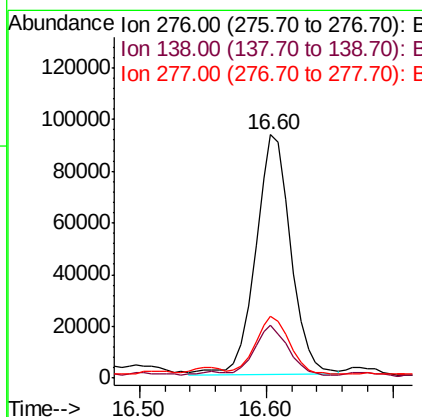
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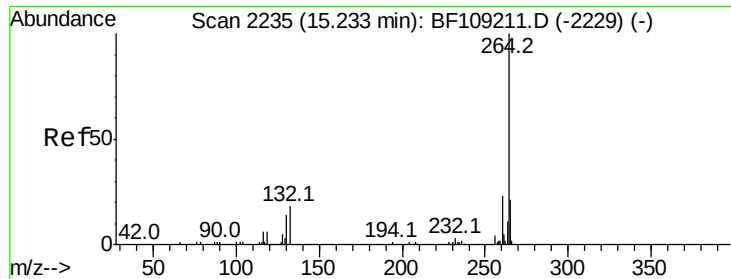
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#85
Indeno(1,2,3-cd)pyrene
Concen: 15.029 ng
RT: 16.60 min Scan# 2468
Delta R.T. 0.01 min
Lab File: BF109585.D
Acq: 4 Oct 2018 14:37

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.7	25.0	37.6#
277	23.1	20.1	30.1





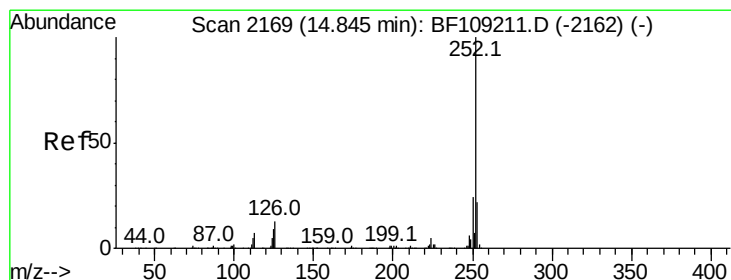
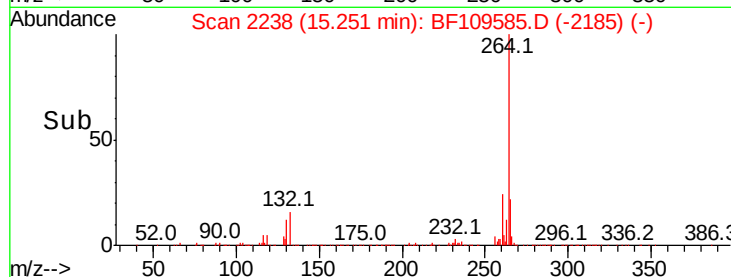
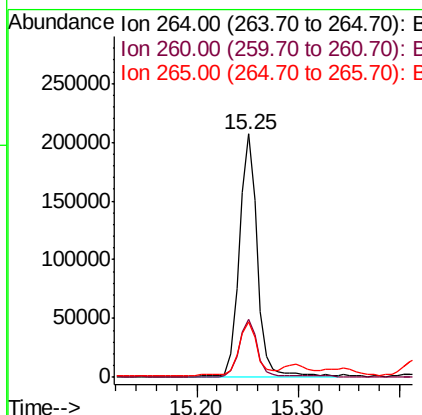
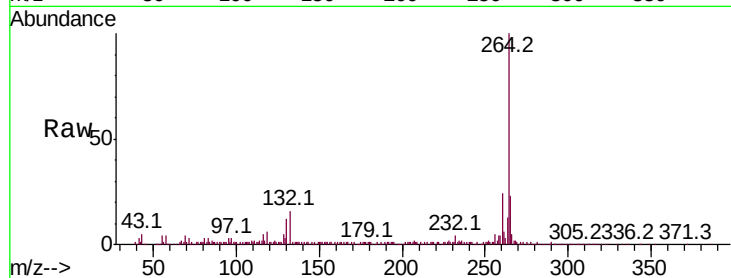
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.25 min Scan# 2238
Delta R.T. 0.01 min
Lab File: BF109585.D
Acq: 4 Oct 2018 14:37

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	23.0	17.5	26.3

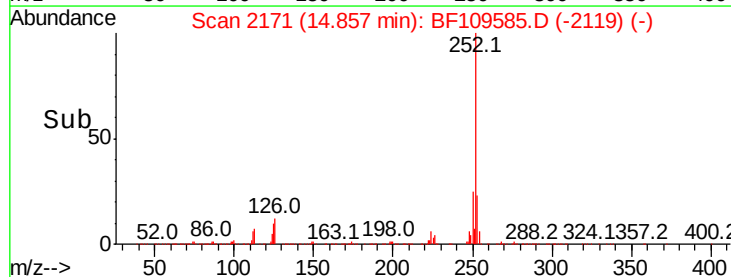
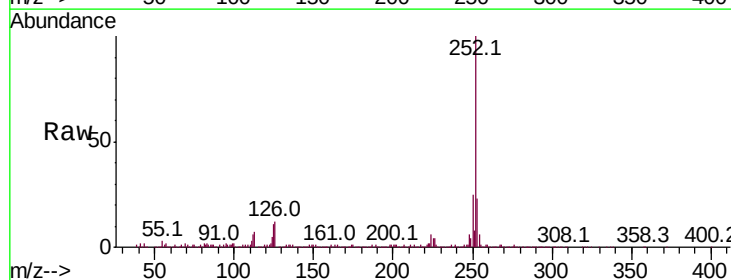
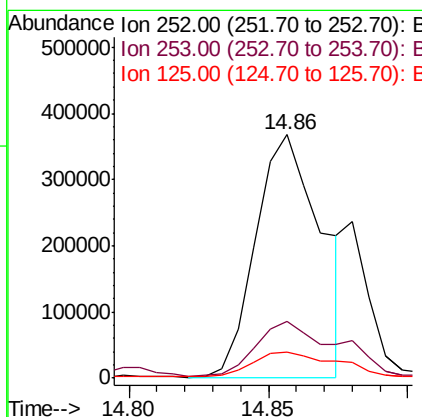
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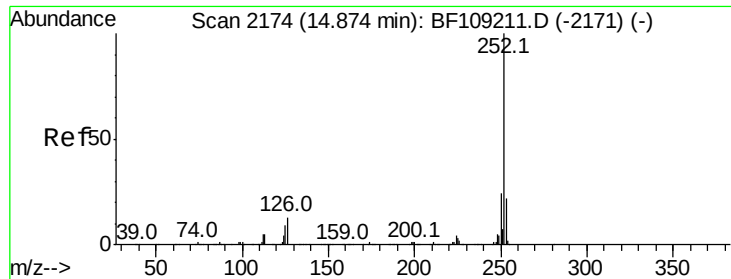
Sohil
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#87
Benzo(b)fluoranthene
Concen: 43.369 ng m
RT: 14.86 min Scan# 2171
Delta R.T. 0.01 min
Lab File: BF109585.D
Acq: 4 Oct 2018 14:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	10.8	9.0	13.6





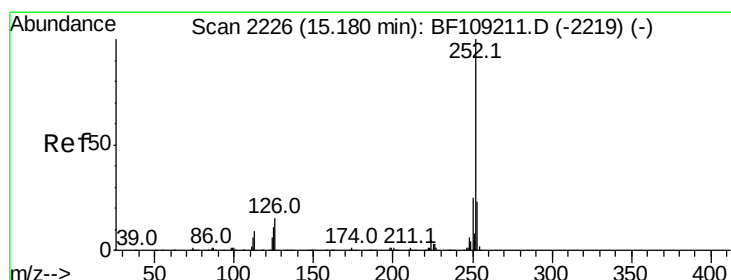
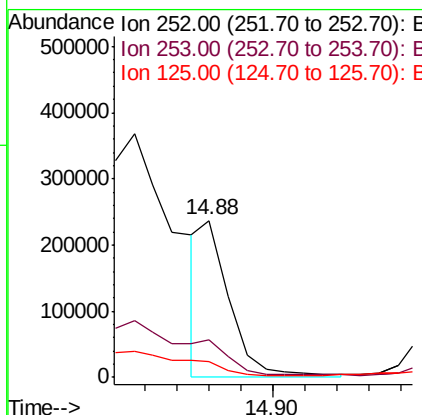
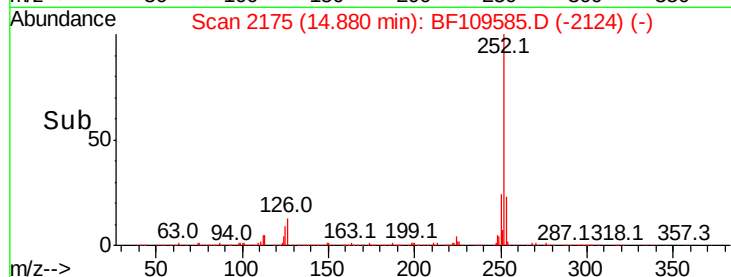
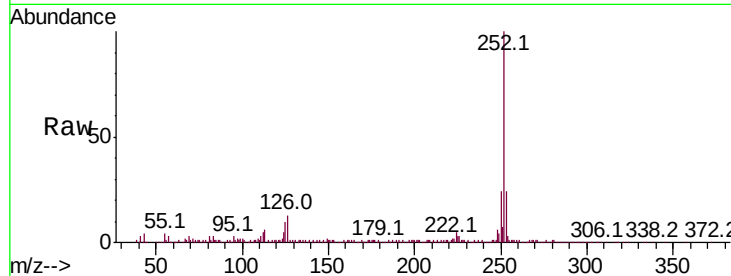
#88
Benzo(k)fluoranthene
Concen: 11.497 ng m
RT: 14.88 min Scan# 2175
Delta R.T. 0.00 min
Lab File: BF109585.D
Acq: 4 Oct 2018 14:37

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	9.7	10.2	15.2

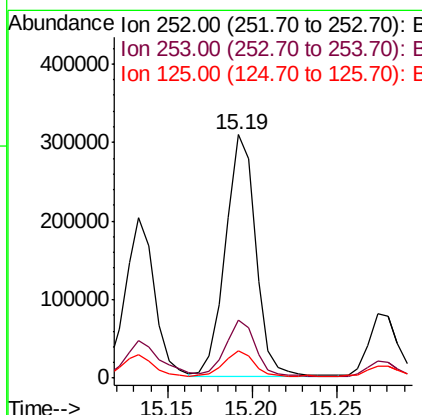
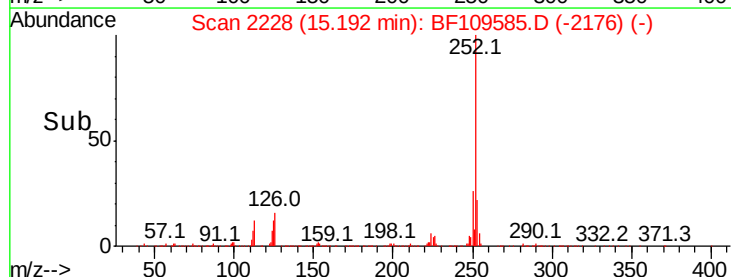
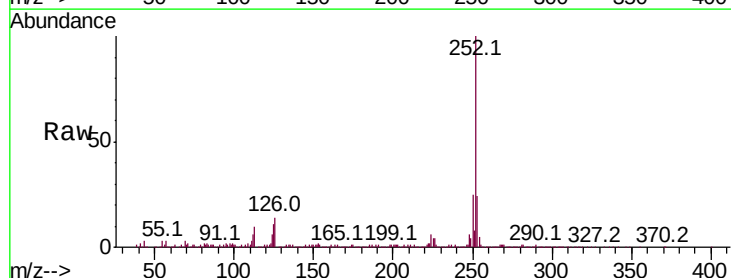
Manual Integrations
APPROVED

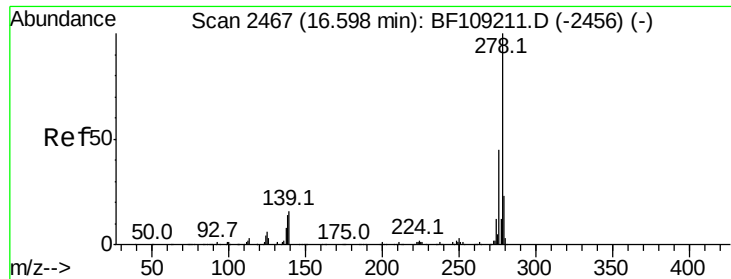
Sohil
10/5/2018 11:56:27 AM



#89
Benzo(a)pyrene
Concen: 30.823 ng
RT: 15.19 min Scan# 2228
Delta R.T. 0.01 min
Lab File: BF109585.D
Acq: 4 Oct 2018 14:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.1	25.7
125	11.0	9.8	14.6





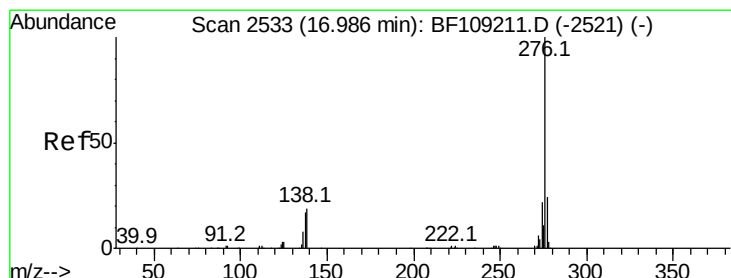
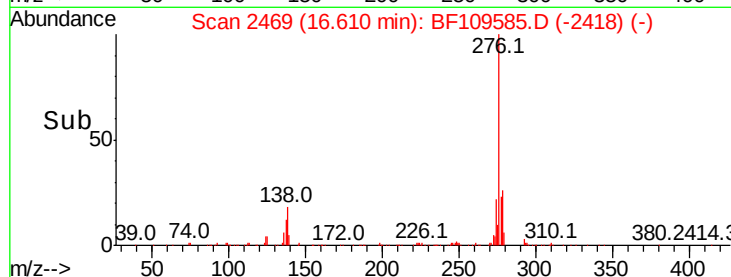
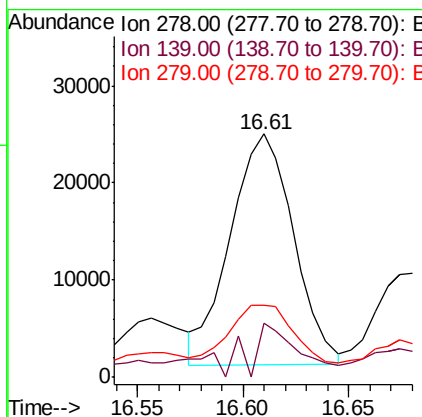
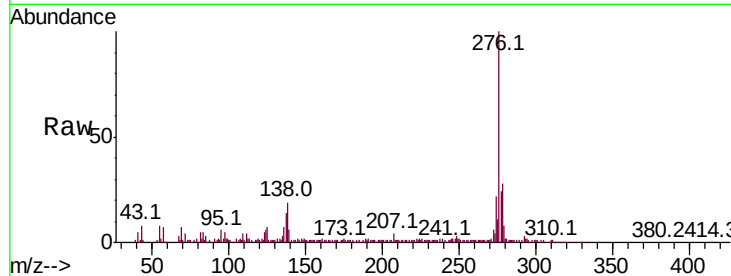
#90
Dibenzo(a,h)anthracene
Concen: 4.810 ng
RT: 16.61 min Scan# 2469
Delta R.T. 0.00 min
Lab File: BF109585.D
Acq: 4 Oct 2018 14:37

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.0	15.9	23.9
279	29.4	19.0	28.4

Manual Integrations
APPROVED

Sohil
10/5/2018 11:56:27 AM



#91
Benzo(g,h,i)perylene
Concen: 15.465 ng
RT: 17.02 min Scan# 2538
Delta R.T. 0.02 min
Lab File: BF109585.D
Acq: 4 Oct 2018 14:37

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	17.9	26.9
138	19.1	21.8	32.8

