

Data Path : Z:\HPCHEM1\BNA F\DATA\BF113017\
 Data File : BF101054.D
 Acq On : 1 Dec 2017 9:30
 Operator : SJ/JU
 Sample : I6610-12DL 10X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-9(0-2)-20171127DL

Manual Integrations
 APPROVED

Sohil
 12/1/2017 11:13:36 AM

Quant Time: Dec 01 10:10:00 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 09:47:02 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	50017	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	179184	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	67783	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	108577	20.00	ng	0.00
75) Chrysene-d12	14.02	240	112437	20.00	ng	0.00
86) Perylene-d12	15.49	264	76380	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	25328	8.37	ng	0.00
7) Phenol-d6	6.47	99	30341	8.26	ng	-0.01
23) Nitrobenzene-d5	7.41	82	17358	5.78	ng	-0.01
41) 2,4,6-Tribromophenol	10.68	330	5589	6.86	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	39474	7.97	ng	0.00
78) Terphenyl-d14	12.96	244	30408	5.92	ng	-0.01

Target Compounds

						Qvalue
51) Acenaphthene	9.92	154	9770	2.251	ng	96
57) Fluorene	10.44	166	10921	2.148	ng	99
70) Phenanthrene	11.40	178	154672	25.868	ng	98
71) Anthracene	11.45	178	37449	6.188	ng	97
72) Carbazole	11.61	167	14554	2.632	ng	99
74) Fluoranthene	12.59	202	255614	38.566	ng	95
77) Pyrene	12.83	202	235520	30.356	ng	97
79) Butylbenzylphthalate	13.43	149	140868	41.182	ng	96
80) Benzo(a)anthracene	14.01	228	132356	18.644	ng	97
82) Chrysene	14.05	228	116428	17.659	ng	96
83) Bis(2-ethylhexyl)phthalate	13.99	149	38343	7.862	ng	# 99
85) Indeno(1,2,3-cd)pyrene	16.97	276	38636	6.591	ng	# 89
87) Benzo(b)fluoranthene	15.06	252	103446m	22.611	ng	
88) Benzo(k)fluoranthene	15.09	252	38713m	8.589	ng	
89) Benzo(a)pyrene	15.43	252	71228	17.125	ng	96
90) Dibenzo(a,h)anthracene	16.98	278	11494	3.135	ng	98
91) Benzo(a,h,i)perylene	17.42	276	36085m	10.443	ng	

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

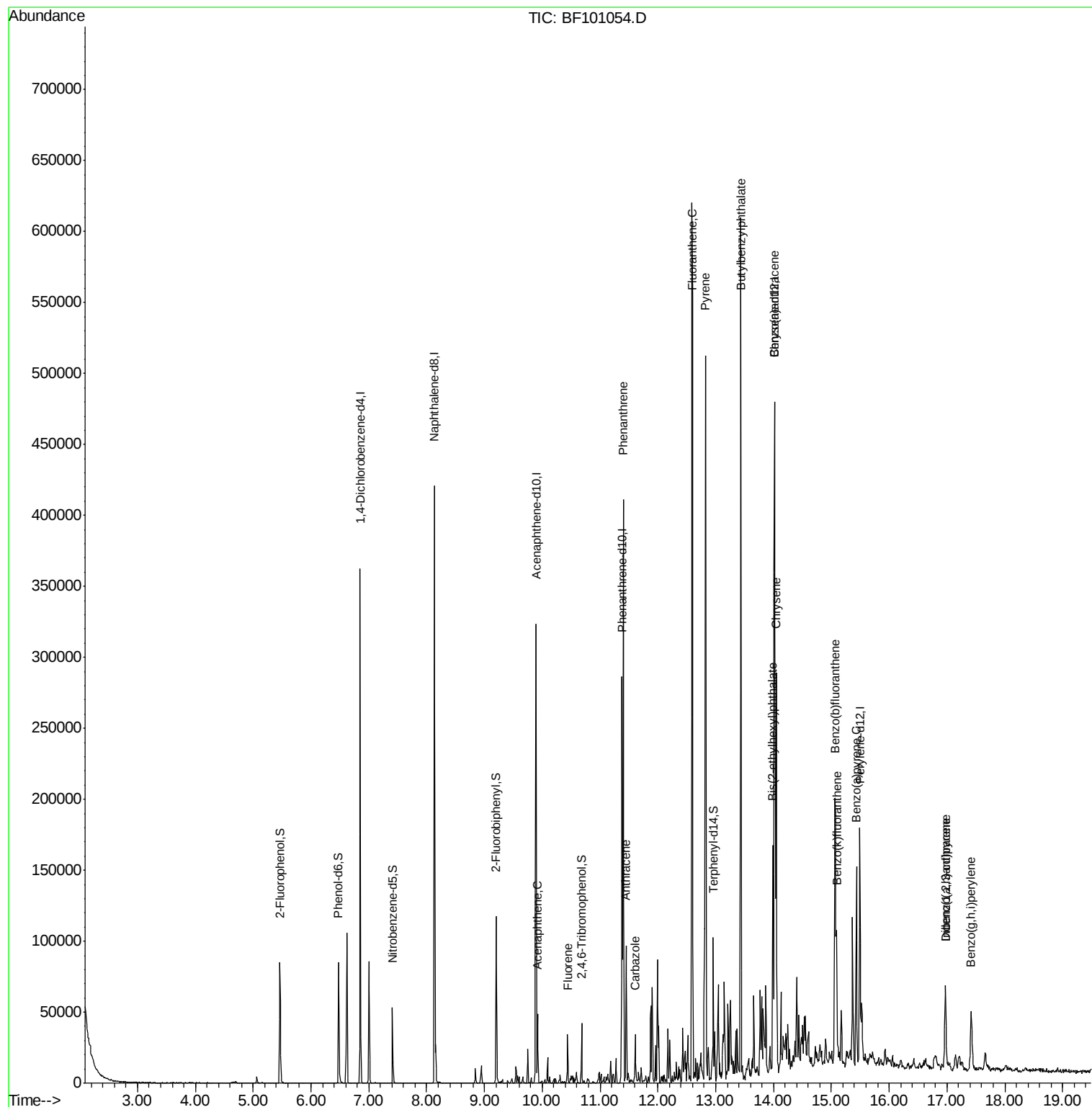
Data Path : Z:\HPCHEM1\BNA F\DATA\BF113017\
Data File : BF101054.D
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ALS Vial : 34 Sample Multiplier: 1

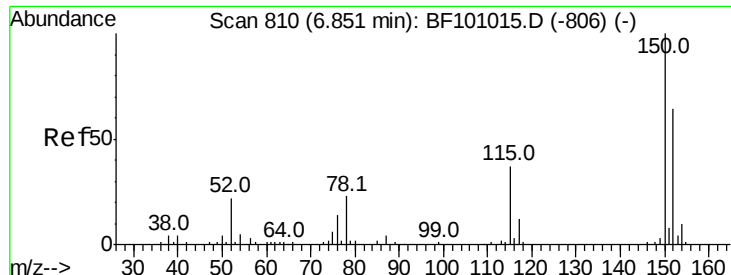
Instrument :
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#1

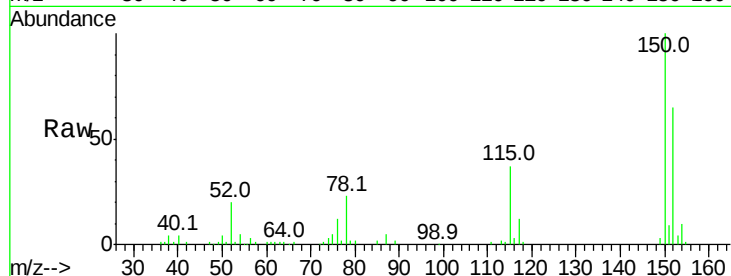
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF101054.D
Acq: 1 Dec 2017 9:30

Instrument :
BNA_F
ClientSampleId :
SB-9(0-2)-20171127DL

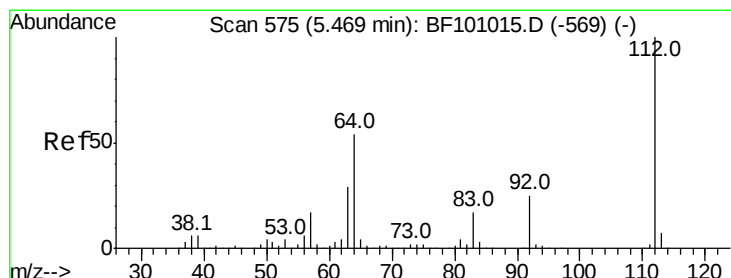
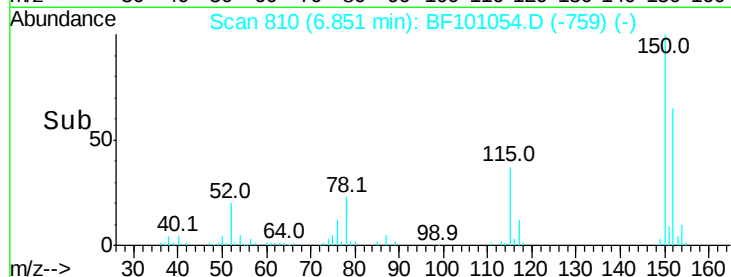
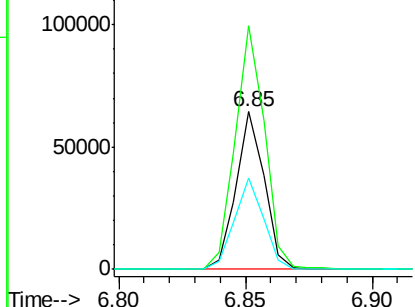
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	124.6	186.8
115	57.7	50.1	75.1

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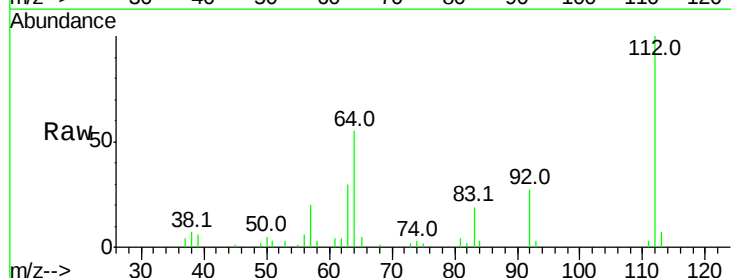
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



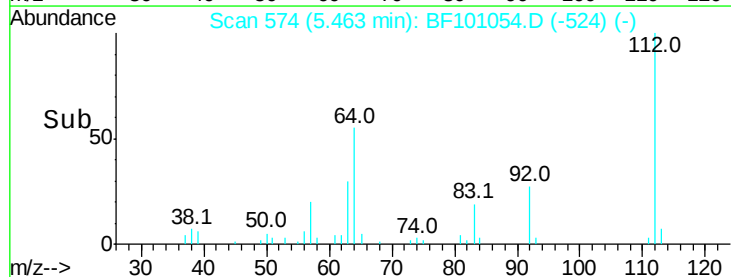
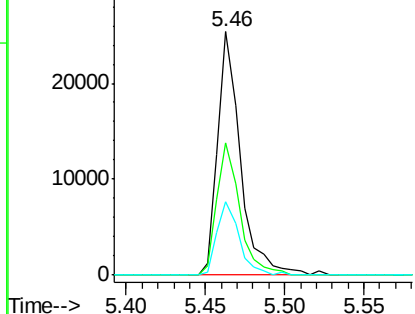
#5

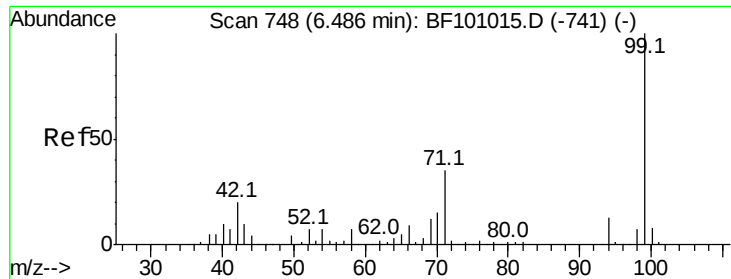
2-Fluorophenol
Concen: 8.368 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.00 min
Lab File: BF101054.D
Acq: 1 Dec 2017 9:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.5	47.9	71.9
63	30.3	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: 8.256 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF101054.D

Acq: 1 Dec 2017 9:30

Instrument :

BNA_F

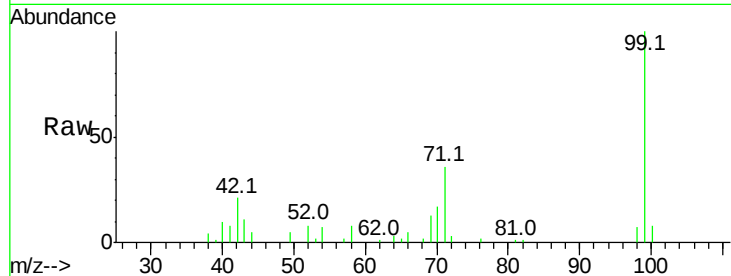
ClientSampleId :

SB-9(0-2)-20171127DL

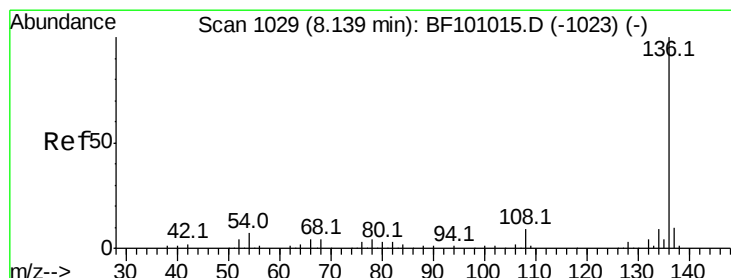
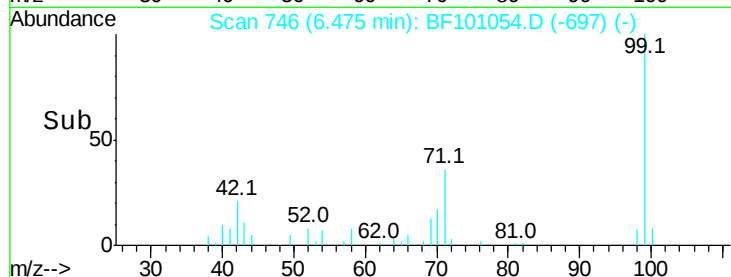
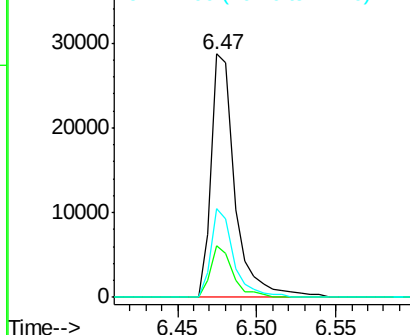
Tot Ion:	99	Resp:	30341
Ion Ratio	Lower	Upper	
99	100		
42	21.4	14.5	21.7
71	36.5	25.4	38.0

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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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

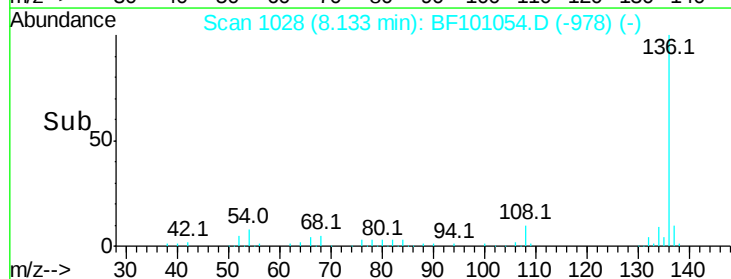
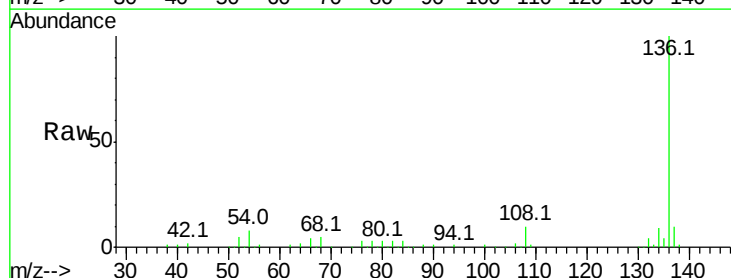
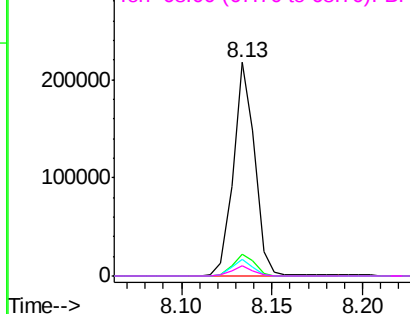
Delta R.T. -0.01 min

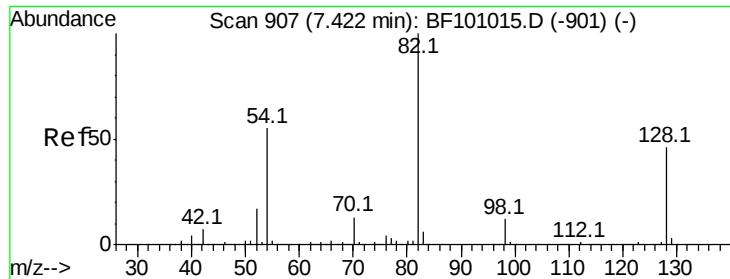
Lab File: BF101054.D

Acq: 1 Dec 2017 9:30

Tgt Ion:	136	Resp:	179184
Ion Ratio	Lower	Upper	
136	100		
137	10.3	8.9	13.3
54	7.7	6.6	9.8
68	4.6	5.0	7.4#

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





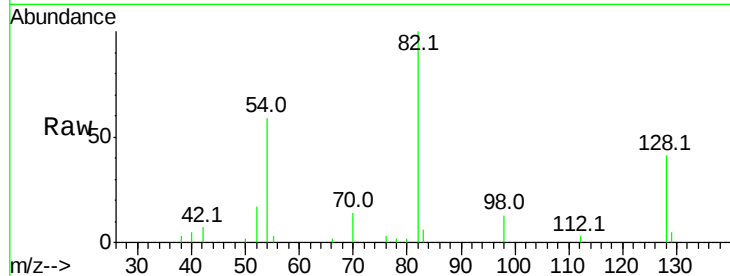
#23
Nitrobenzene-d5
Concen: 5.779 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF101054.D
Acq: 1 Dec 2017 9:30

Instrument :
BNA_F
ClientSampleId :
SB-9(0-2)-20171127DL

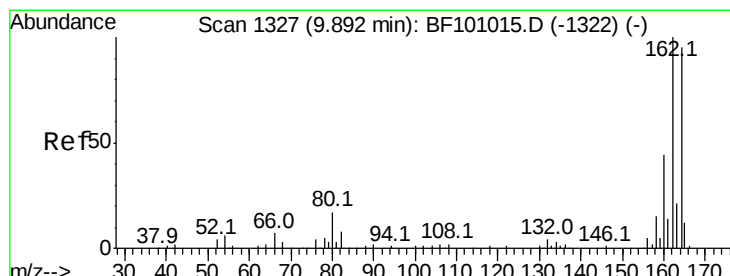
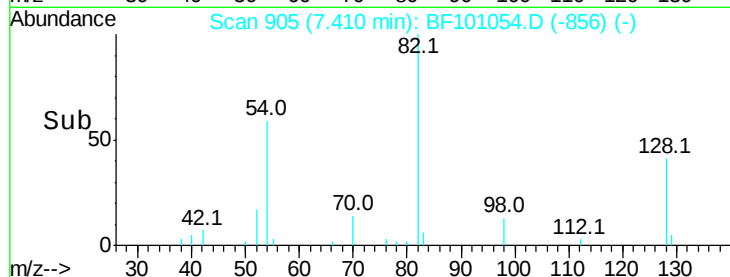
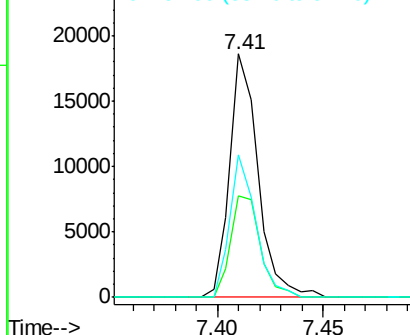
Tot Ion	Ratio	Lower	Upper
82	100		
128	41.5	36.1	54.1
54	58.7	41.4	62.2

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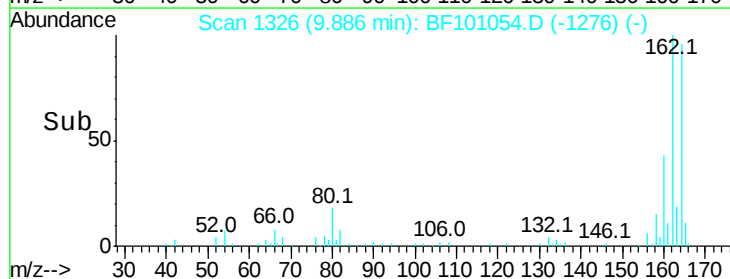
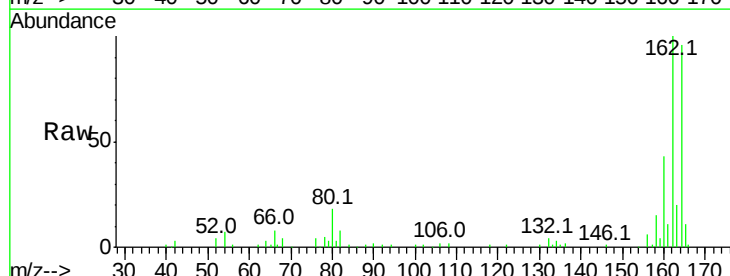
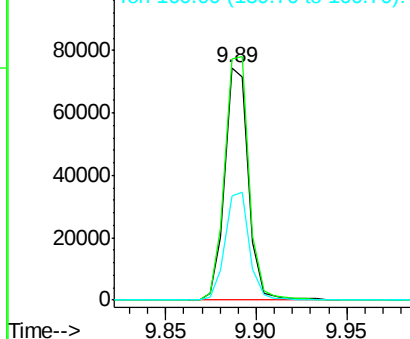
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF1

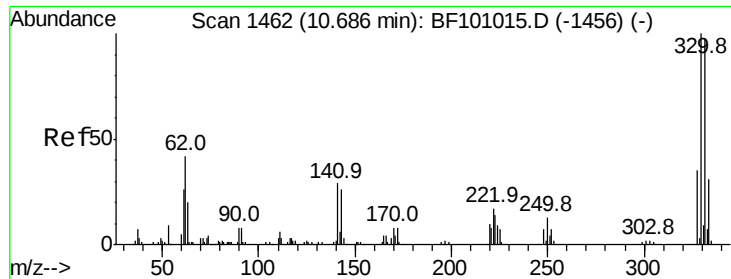


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF101054.D
Acq: 1 Dec 2017 9:30

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.0	86.1	129.1
160	45.0	38.3	57.5

Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





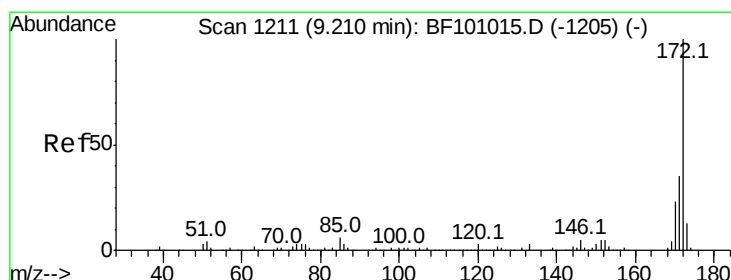
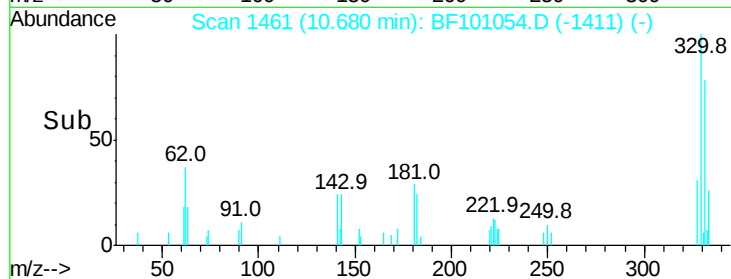
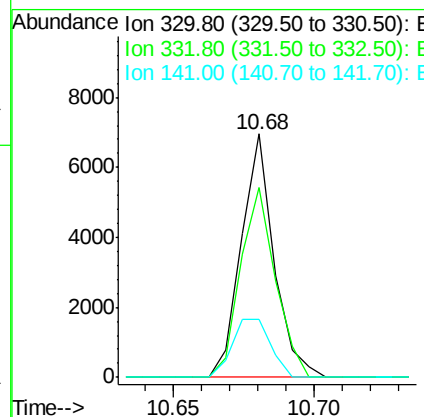
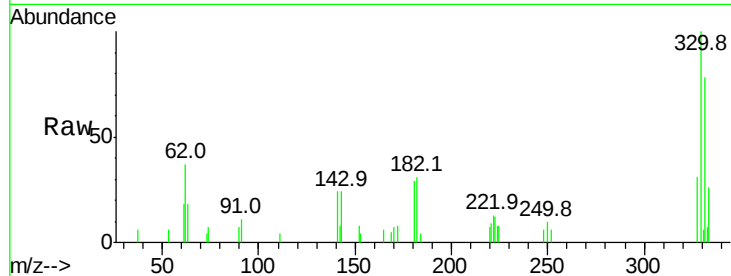
#41
 2,4,6-Tribromophenol
 Concen: 6.864 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF101054.D
 Acq: 1 Dec 2017 9:30

Instrument :
 BNA_F
 ClientSampleId :
 SB-9(0-2)-20171127DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	83.4	77.0	115.6
141	27.9	29.9	44.9#

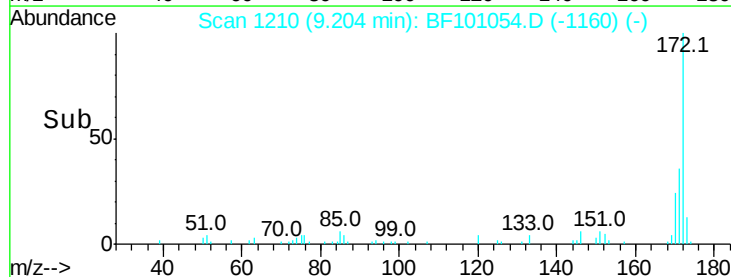
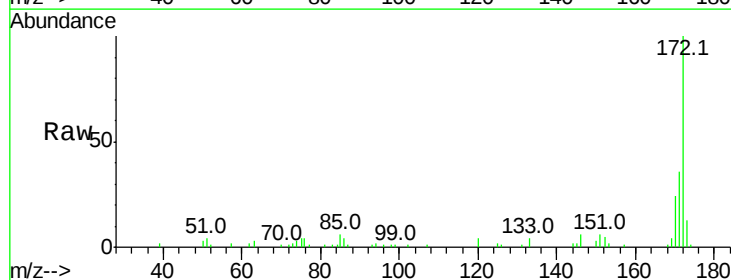
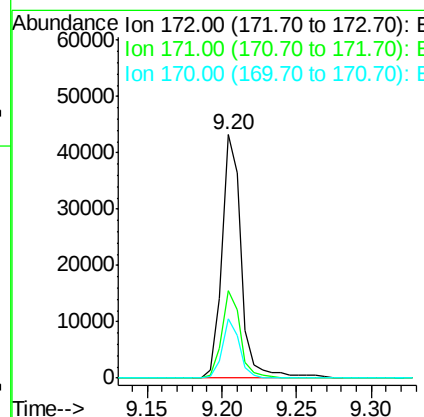
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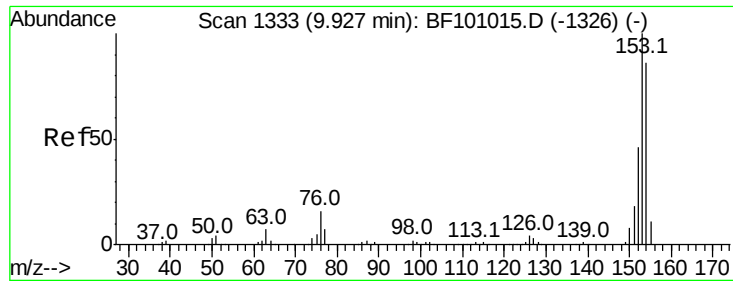
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#44
 2-Fluorobiphenyl
 Concen: 7.968 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF101054.D
 Acq: 1 Dec 2017 9:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	24.5	19.6	29.4





#51

Acenaphthene

Concen: 2.251 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF101054.D

Acq: 1 Dec 2017 9:30

Instrument :

BNA_F

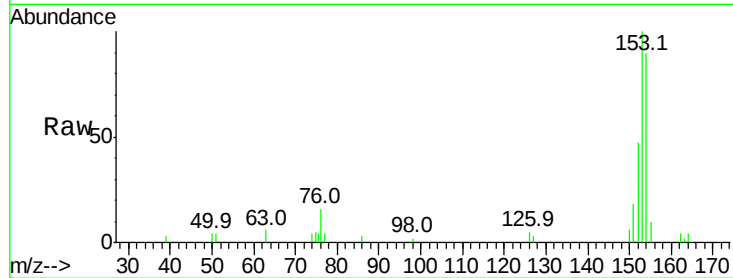
ClientSampleId :

SB-9(0-2)-20171127DL

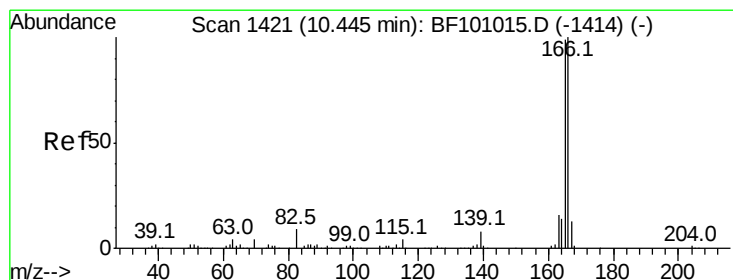
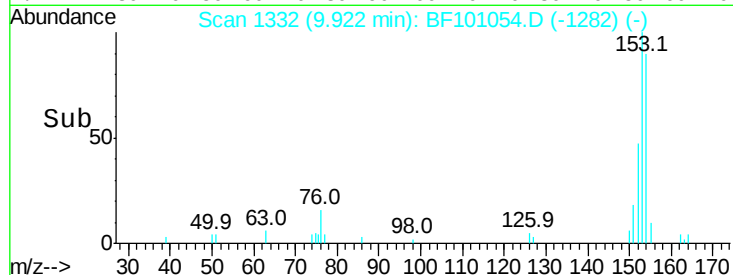
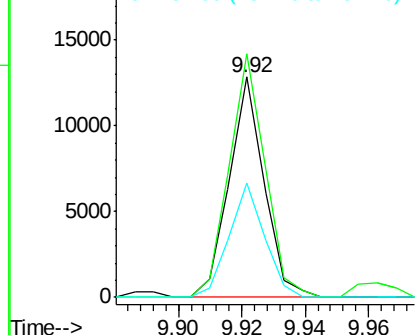
Tot Ion:	154	Resp:	9770
Ion Ratio	Lower	Upper	
154	100		
153	110.6	91.2	136.8
152	51.7	43.8	65.8

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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



#57

Fluorene

Concen: 2.148 ng

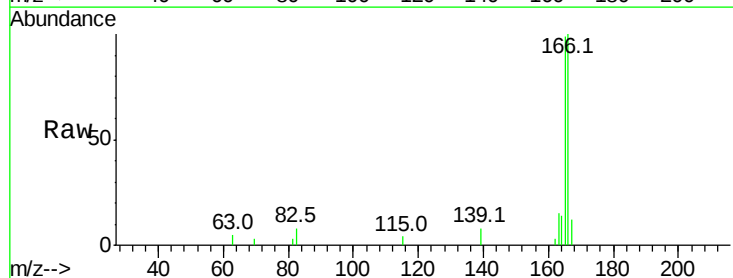
RT: 10.44 min Scan# 1420

Delta R.T. -0.01 min

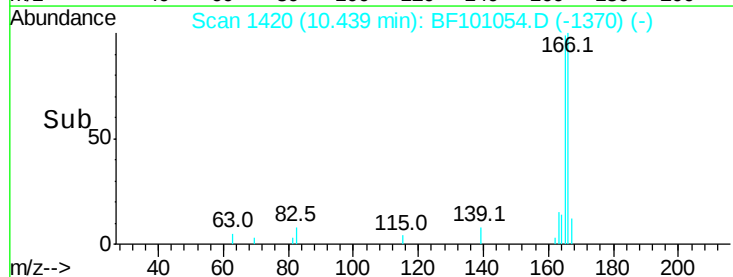
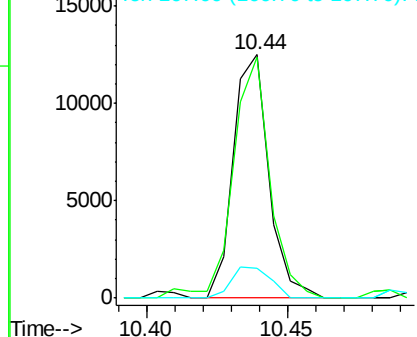
Lab File: BF101054.D

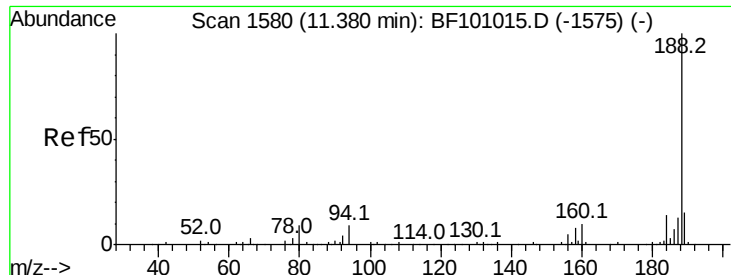
Acq: 1 Dec 2017 9:30

Tgt Ion:	166	Resp:	10921
Ion Ratio	Lower	Upper	
166	100		
165	99.2	79.8	119.8
167	12.2	10.6	16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





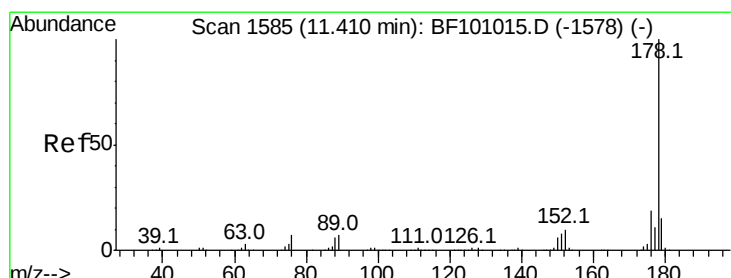
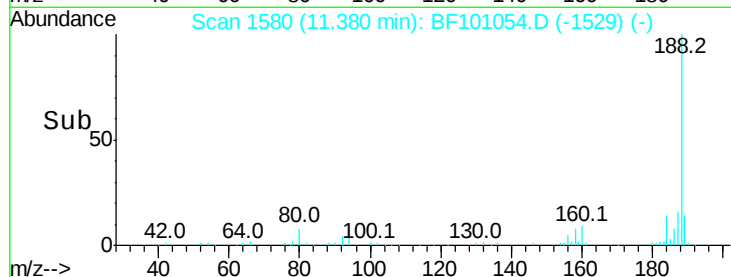
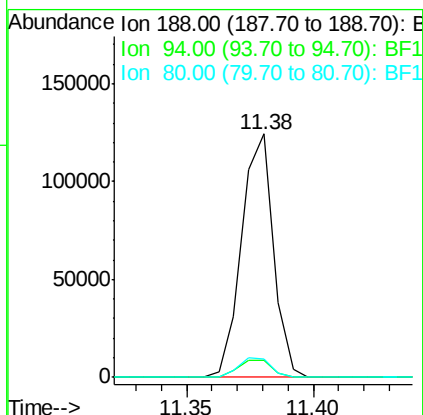
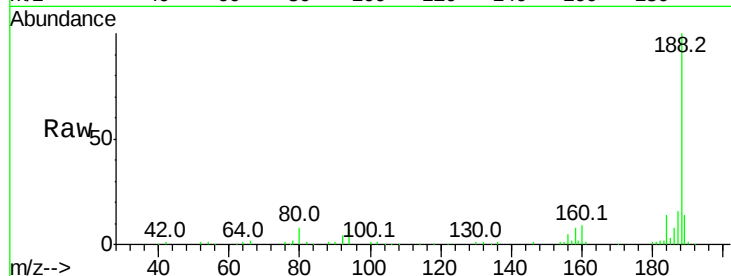
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF101054.D
Acq: 1 Dec 2017 9:30

Instrument :
BNA_F
ClientSampleId :
SB-9(0-2)-20171127DL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.2	8.5	12.7#
80	7.5	9.2	13.8#

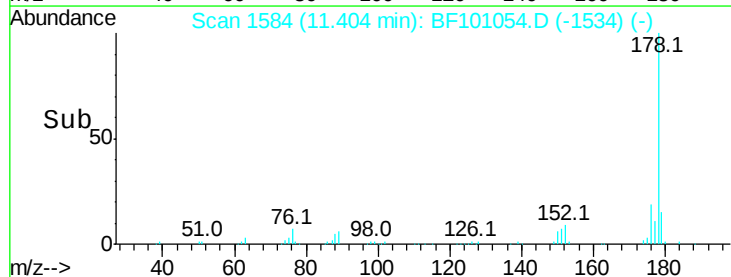
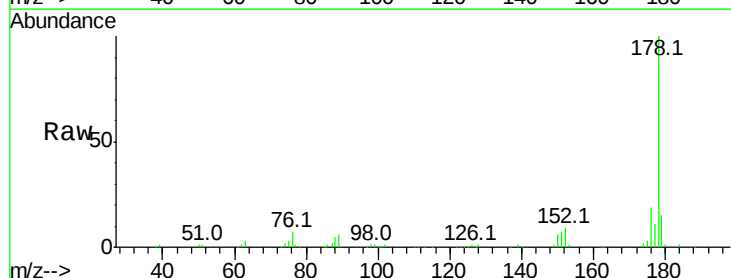
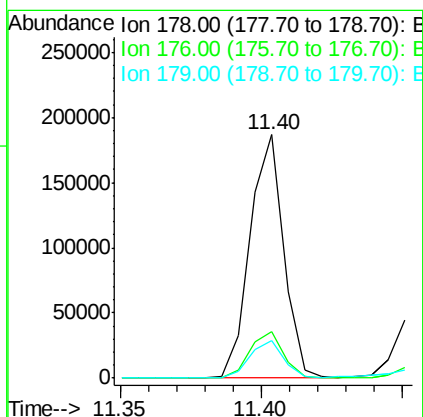
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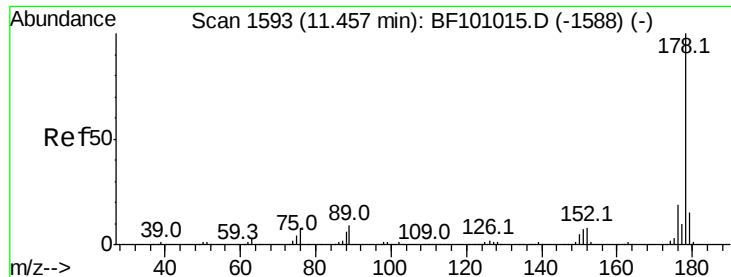
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#70
Phenanthrene
Concen: 25.868 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF101054.D
Acq: 1 Dec 2017 9:30

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.9	15.8	23.8
179	15.2	13.0	19.6





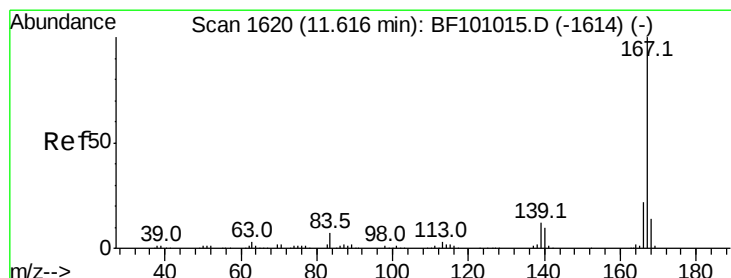
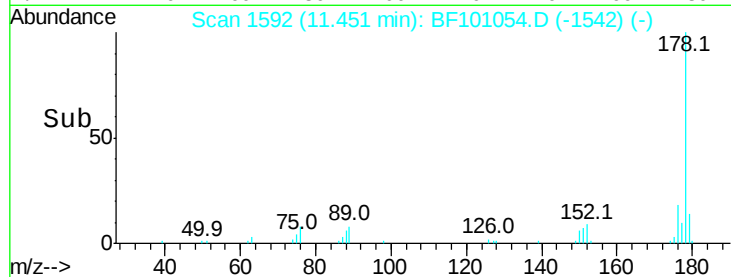
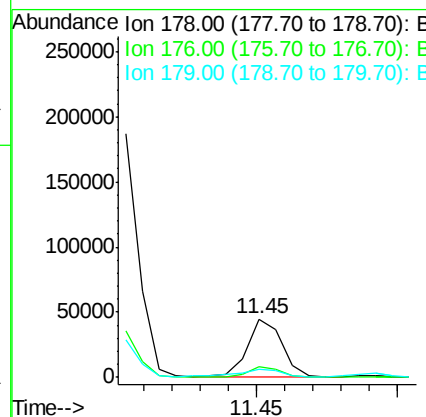
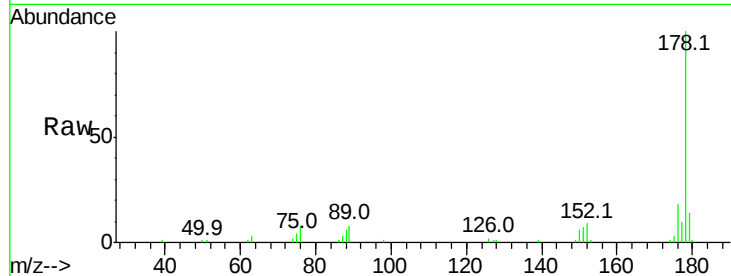
#71
 Anthracene
 Concen: 6.188 ng
 RT: 11.45 min Scan# 1592
 Delta R.T. -0.01 min
 Lab File: BF101054.D
 Acq: 1 Dec 2017 9:30

Instrument :
 BNA_F
 ClientSampleId :
 SB-9(0-2)-20171127DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	14.4	12.6	19.0

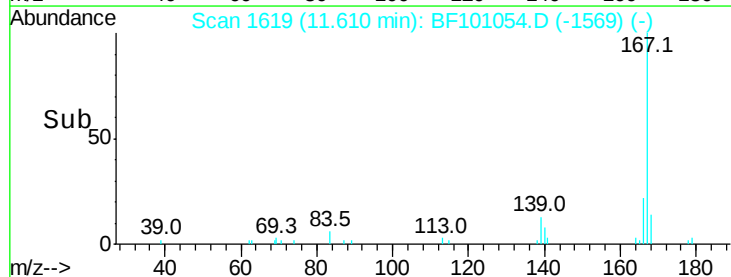
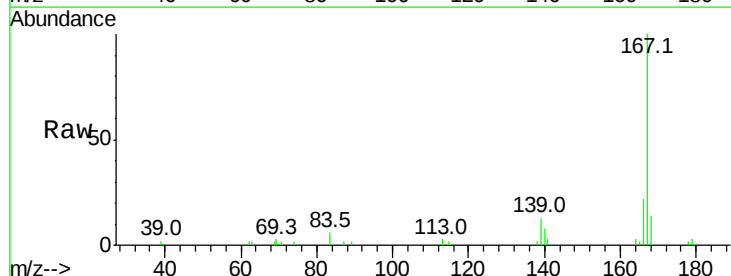
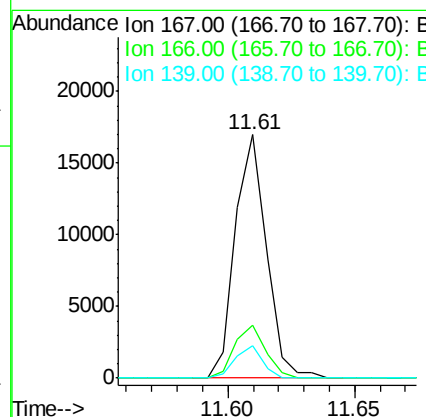
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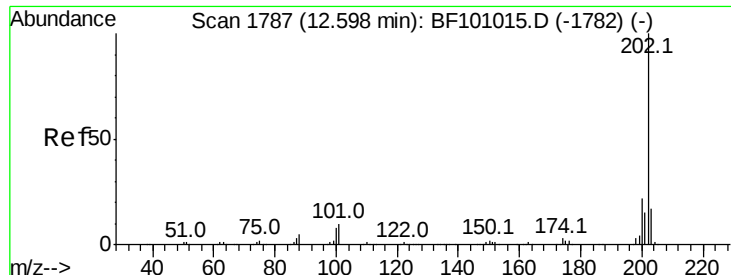
Sohil
 12/1/2017 11:13:36 AM



#72
 Carbazole
 Concen: 2.632 ng
 RT: 11.61 min Scan# 1619
 Delta R.T. -0.01 min
 Lab File: BF101054.D
 Acq: 1 Dec 2017 9:30

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.6	26.4
139	13.1	10.9	16.3





#74

Fluoranthene

Concen: 38.566 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BF101054.D

Acq: 1 Dec 2017 9:30

Instrument :

BNA_F

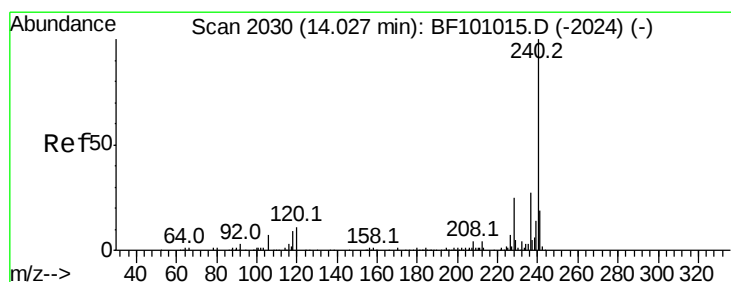
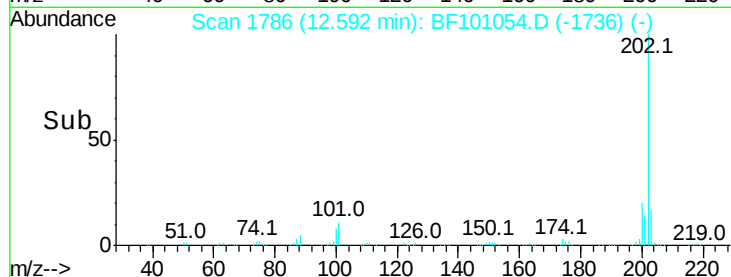
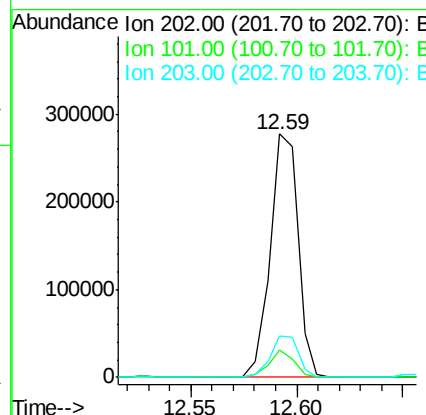
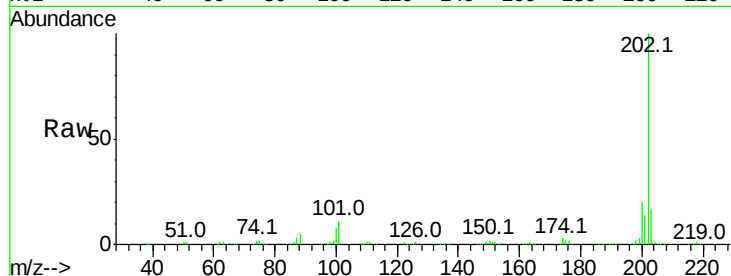
ClientSampleId :

SB-9(0-2)-20171127DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.1	0.0	34.1
203	17.1	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

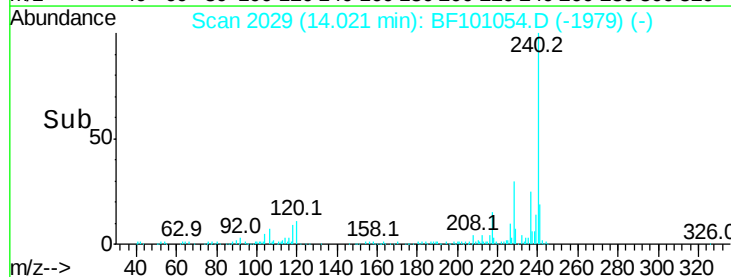
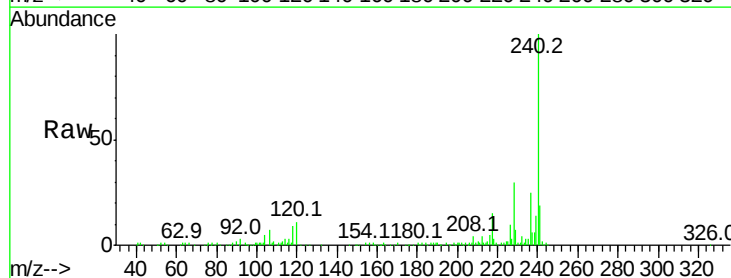
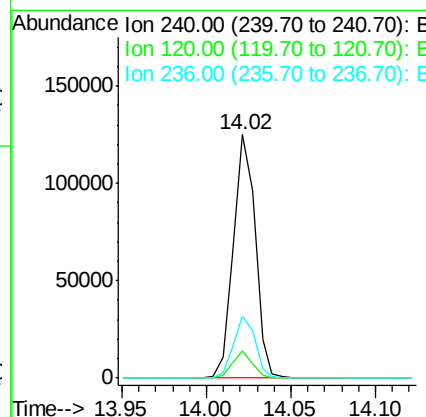
RT: 14.02 min Scan# 2029

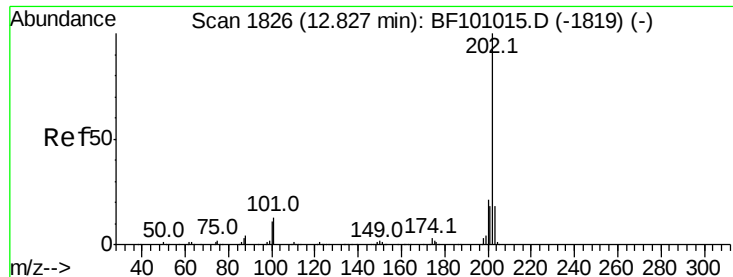
Delta R.T. -0.01 min

Lab File: BF101054.D

Acq: 1 Dec 2017 9:30

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.5	9.5	14.3
236	25.4	20.7	31.1





#77

Pvrene

Concen: 30.356 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.00 min

Lab File: BF101054.D

Acq: 1 Dec 2017 9:30

Instrument :

BNA_F

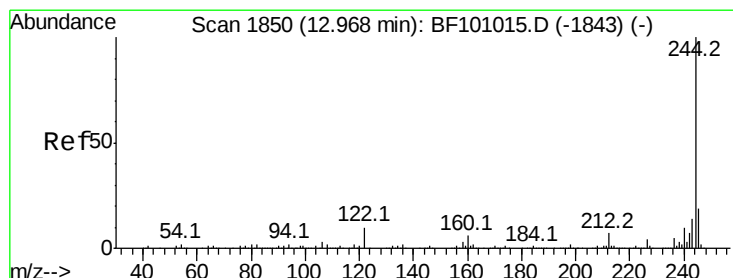
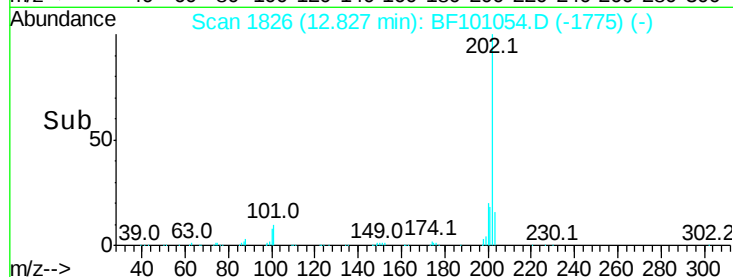
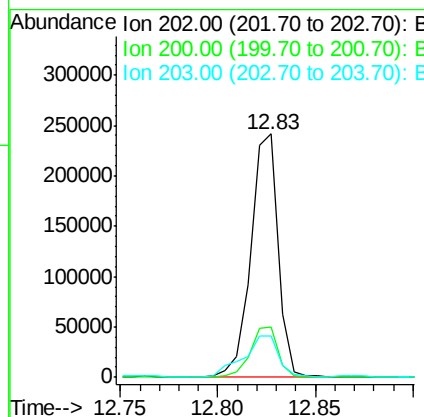
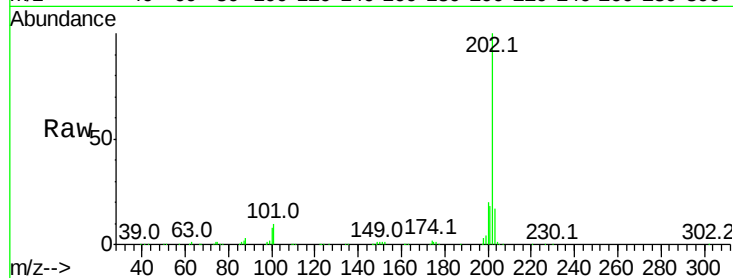
ClientSampleId :

SB-9(0-2)-20171127DL

Tot Ion:	202	Resp:	235520
Ion Ratio		Lower	Upper
202	100		
200	20.4	17.4	26.2
203	16.8	14.3	21.5

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#78

Terphenyl-d14

Concen: 5.915 ng

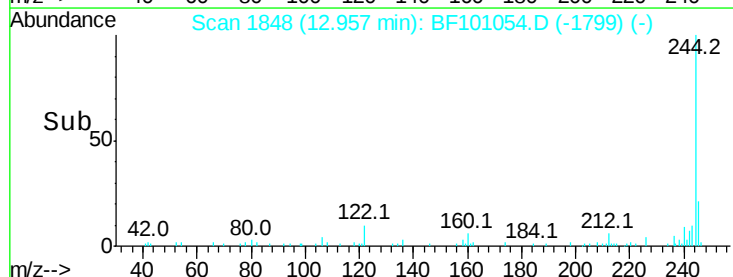
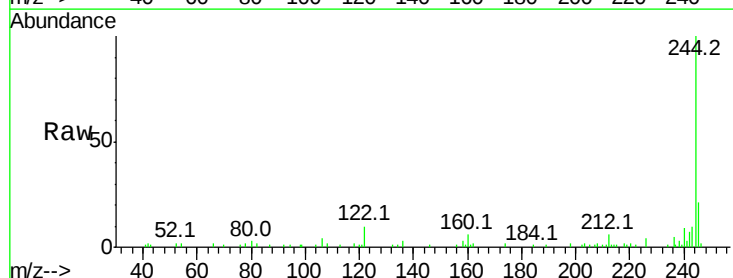
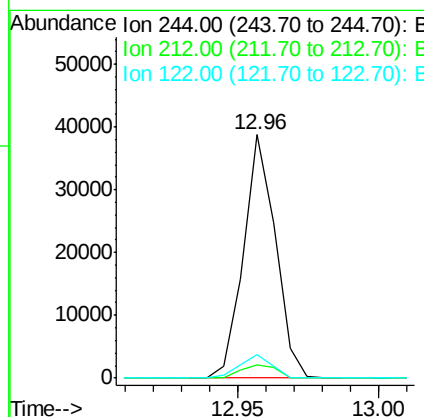
RT: 12.96 min Scan# 1848

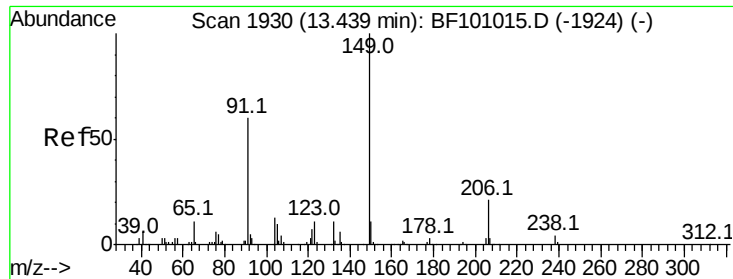
Delta R.T. -0.01 min

Lab File: BF101054.D

Acq: 1 Dec 2017 9:30

Tgt Ion:	244	Resp:	30408
Ion Ratio		Lower	Upper
244	100		
212	5.7	5.4	8.0
122	9.5	11.0	16.4#





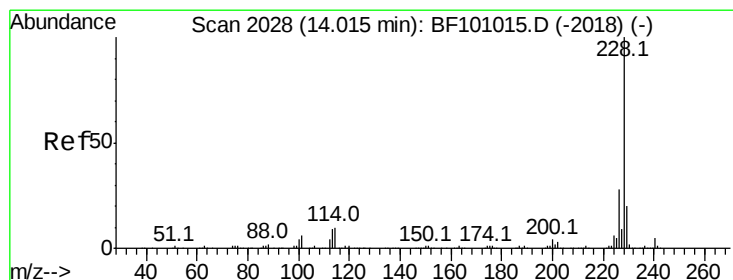
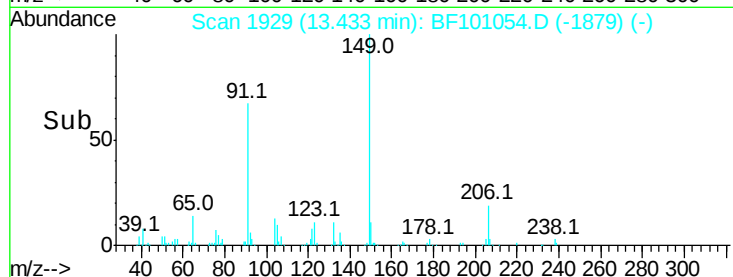
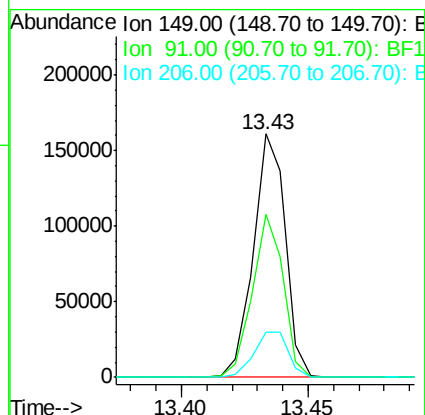
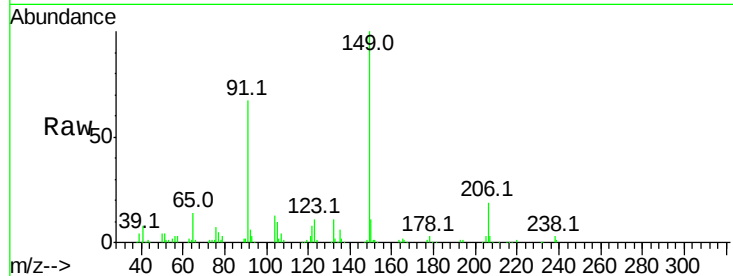
#79
Butylbenzylphthalate
Concen: 41.182 ng
RT: 13.43 min Scan# 1929
Delta R.T. -0.01 min
Lab File: BF101054.D
Acq: 1 Dec 2017 9:30

Instrument :
BNA_F
ClientSampleId :
SB-9(0-2)-20171127DL

Tot Ion	Ratio	Resp	Lower	Upper
149	100	140868		
91	67.1	56.8	85.2	
206	18.8	14.1	21.1	

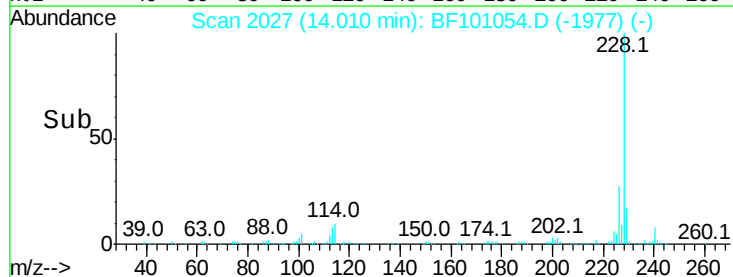
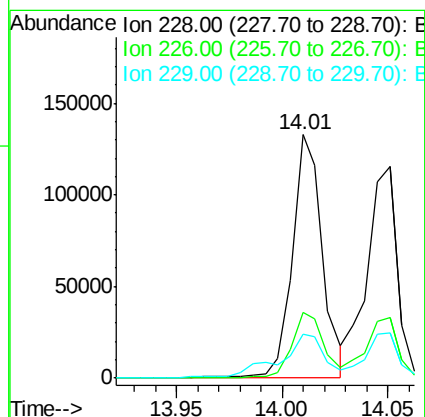
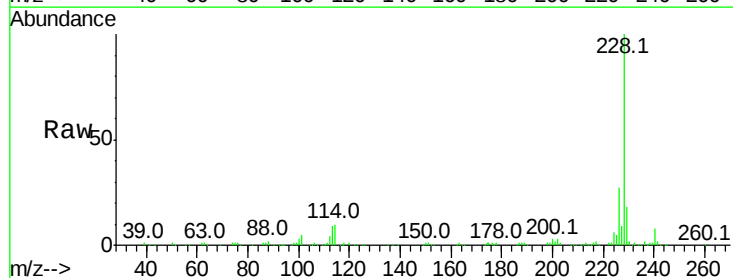
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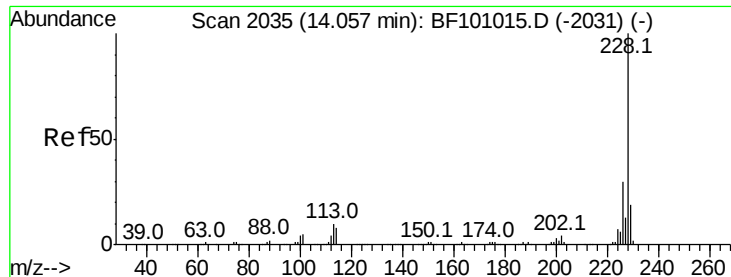
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#80
Benzo(a)anthracene
Concen: 18.644 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF101054.D
Acq: 1 Dec 2017 9:30

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	132356		
226	26.8	22.6	33.8	
229	18.1	15.8	23.6	





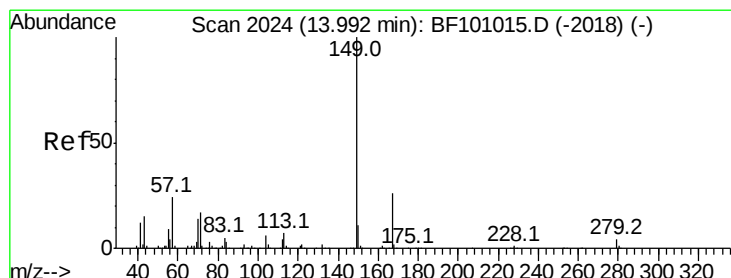
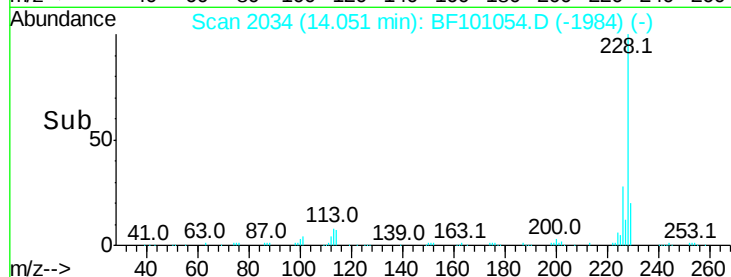
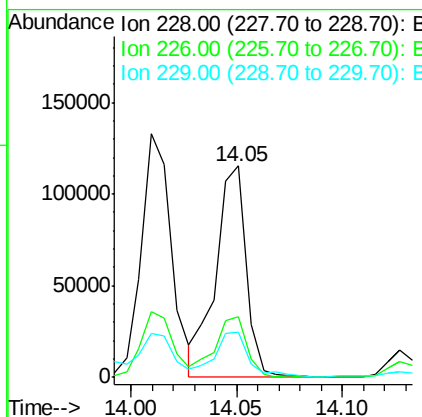
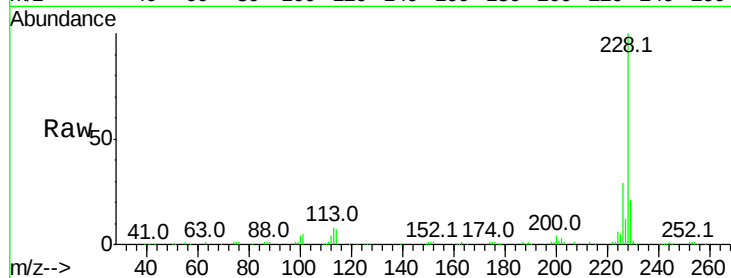
#82
 Chrysene
 Concen: 17.659 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: BF101054.D
 Acq: 1 Dec 2017 9:30

Instrument :
 BNA_F
 ClientSampleId :
 SB-9(0-2)-20171127DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	25.0	37.6
229	21.4	16.2	24.4

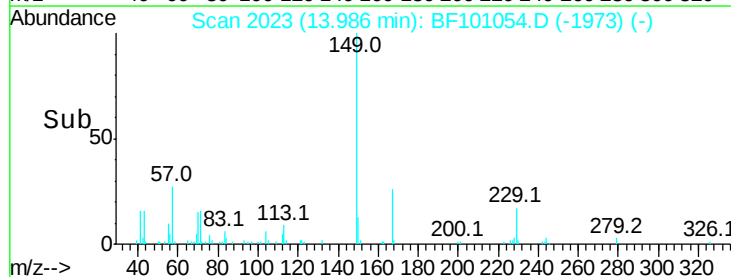
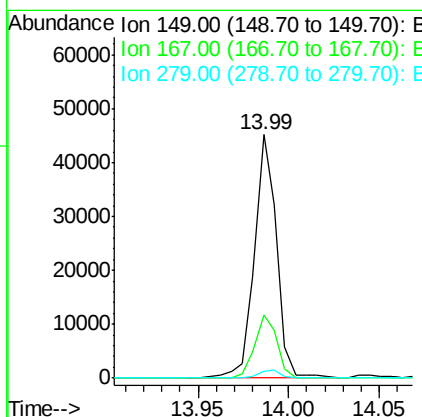
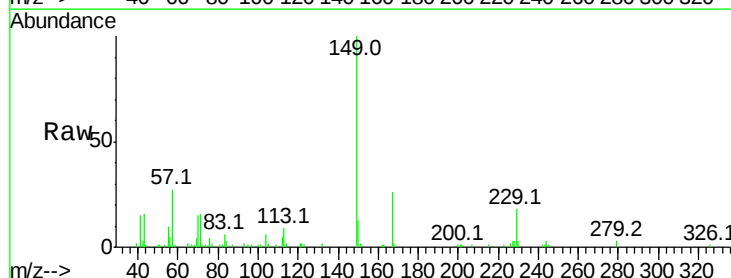
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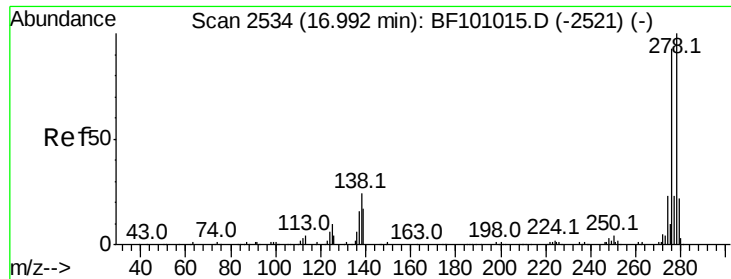
Sohil
 12/1/2017 11:13:36 AM



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 7.862 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF101054.D
 Acq: 1 Dec 2017 9:30

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.1	21.3	31.9
279	2.9	3.0	4.4#





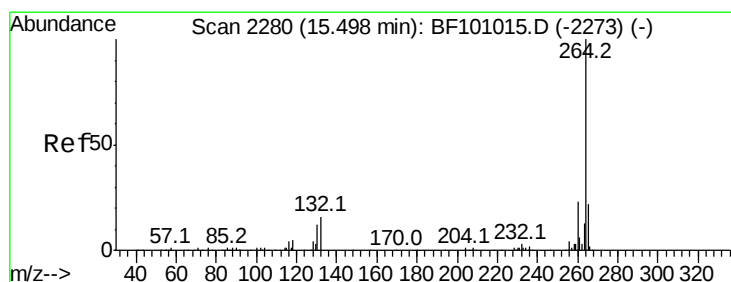
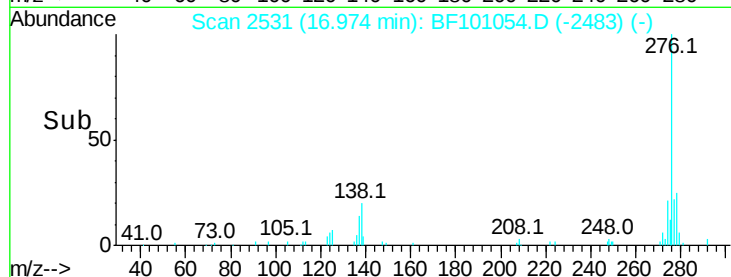
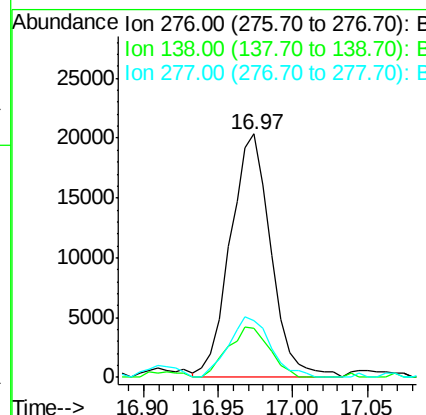
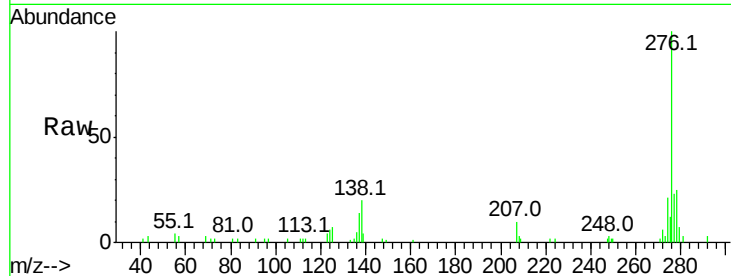
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.591 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.02 min
Lab File: BF101054.D
Acq: 1 Dec 2017 9:30

Instrument :
BNA_F
ClientSampleId :
SB-9(0-2)-20171127DL

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	21.0	25.0	37.6#
277	25.7	20.1	30.1

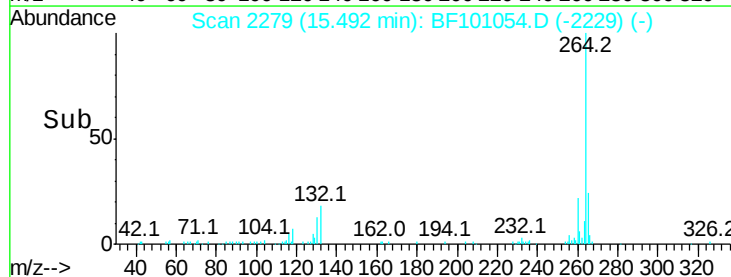
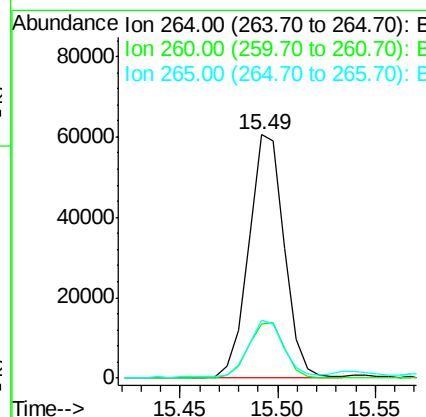
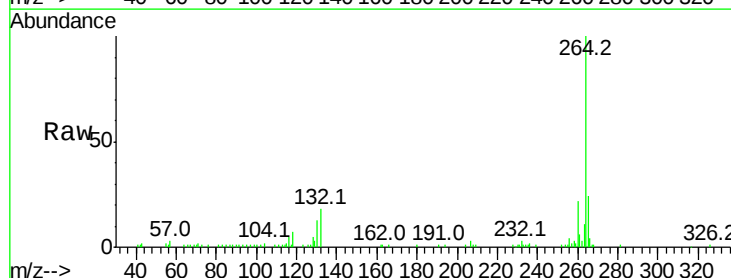
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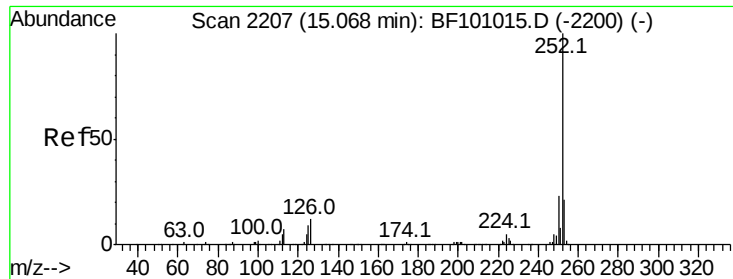
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF101054.D
Acq: 1 Dec 2017 9:30

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	22.4	19.2	28.8
265	23.7	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 22.611 ng m

RT: 15.06 min Scan# 2206

Delta R.T. -0.01 min

Lab File: BF101054.D

Acq: 1 Dec 2017 9:30

Instrument :

BNA_F

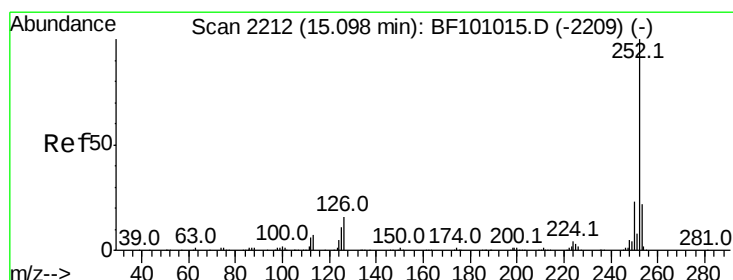
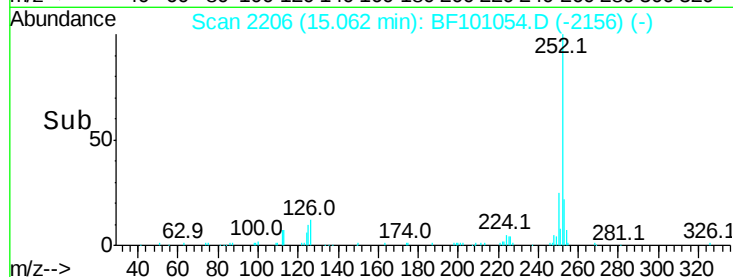
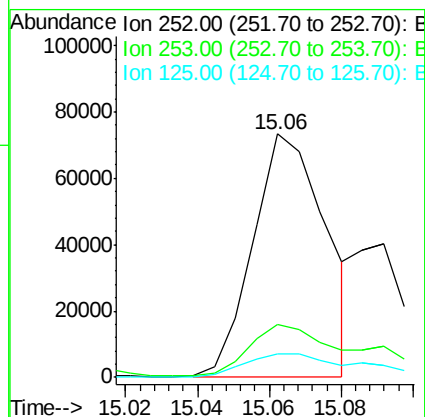
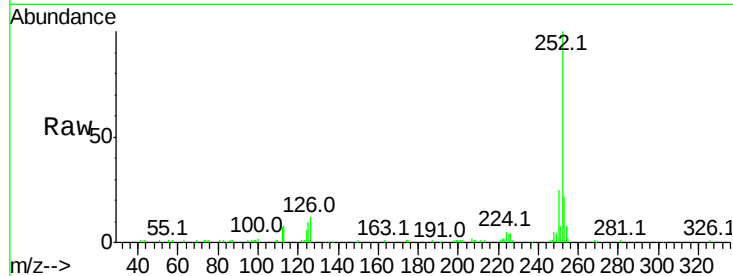
ClientSampleId :

SB-9(0-2)-20171127DL

Tot Ion:	252	Resp:	103446
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.0	25.6
125	9.6	9.0	13.6

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#88

Benzo(k)fluoranthene

Concen: 8.589 ng m

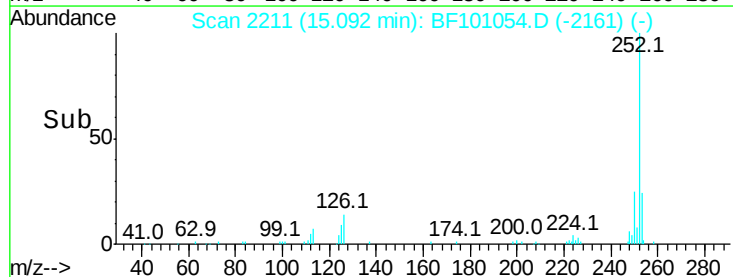
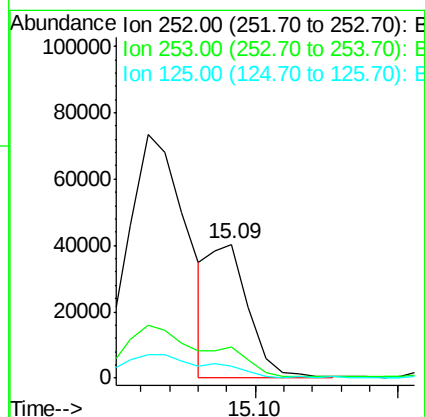
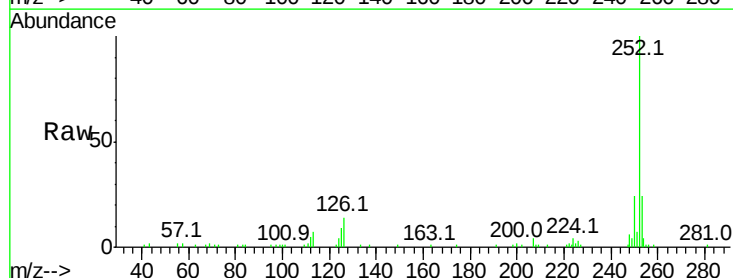
RT: 15.09 min Scan# 2211

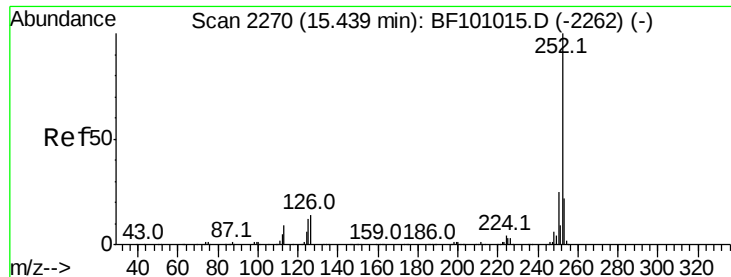
Delta R.T. -0.01 min

Lab File: BF101054.D

Acq: 1 Dec 2017 9:30

Tgt Ion:	252	Resp:	38713
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.9	26.9
125	8.6	10.2	15.2#





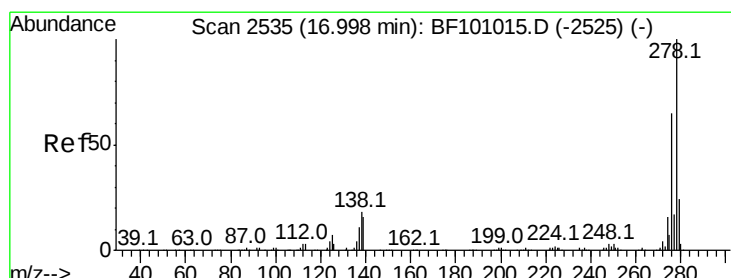
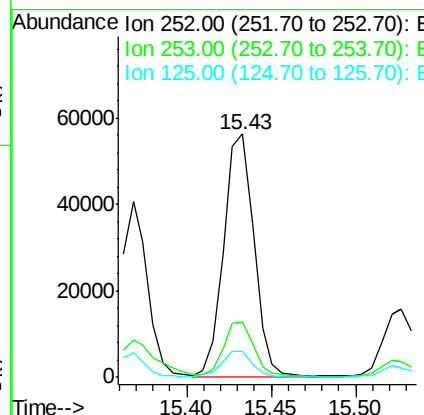
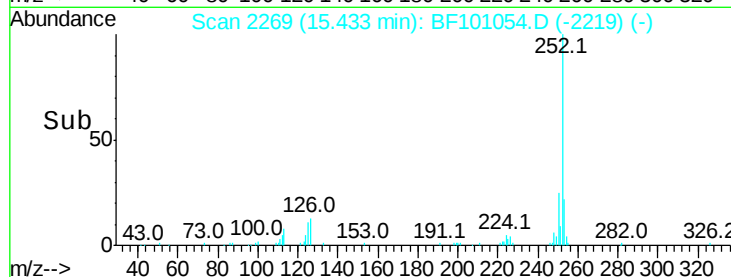
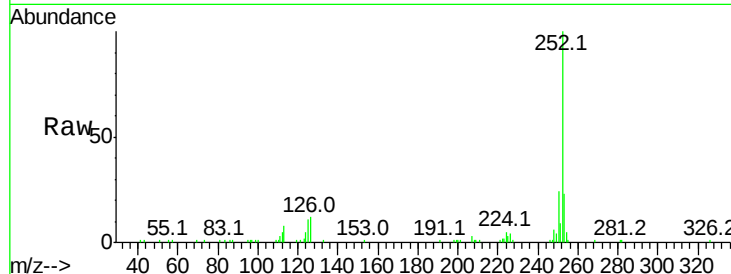
#89
Benzo(a)pyrene
Concen: 17.125 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF101054.D
Acq: 1 Dec 2017 9:30

Instrument :
BNA_F
ClientSampleId :
SB-9(0-2)-20171127DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	10.7	9.8	14.6

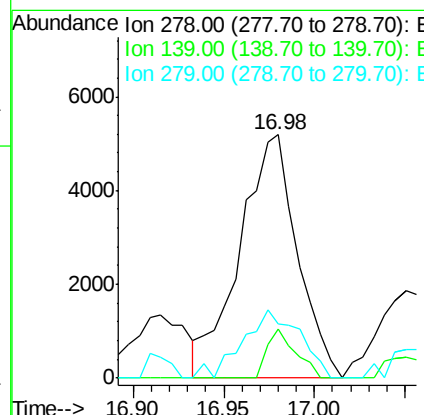
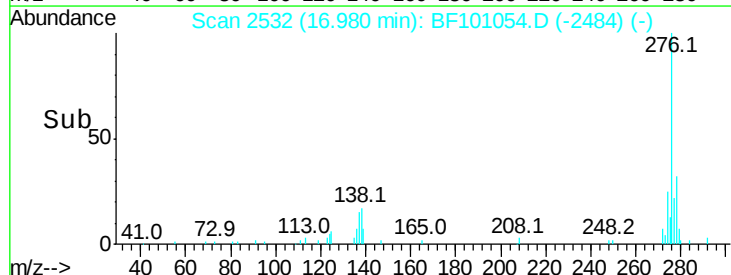
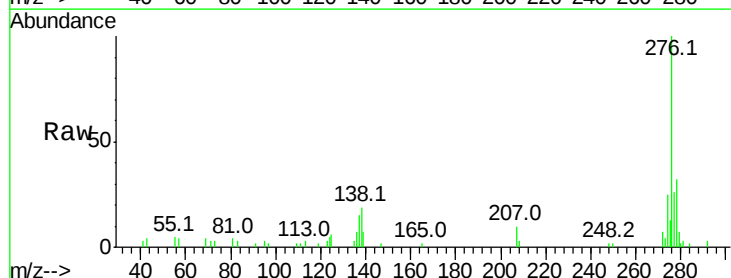
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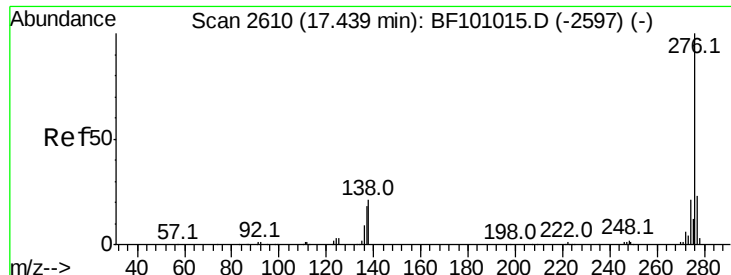
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 3.135 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.02 min
Lab File: BF101054.D
Acq: 1 Dec 2017 9:30

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.4	15.9	23.9
279	22.2	19.0	28.4





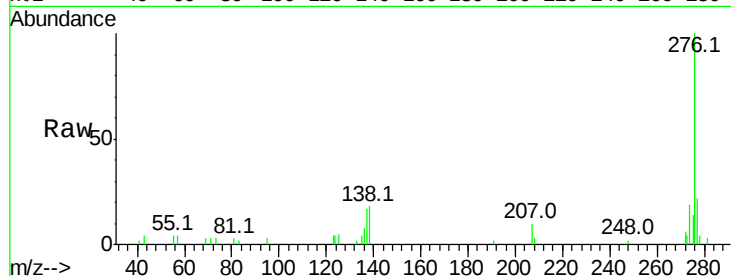
#91
 Benzo(a,h,i)perylene
 Concen: 10.443 ng m
 RT: 17.42 min Scan# 2607
 Delta R.T. -0.02 min
 Lab File: BF101054.D
 Acq: 1 Dec 2017 9:30

Instrument :
 BNA_F
 ClientSampleId :
 SB-9(0-2)-20171127DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	21.5	17.9	26.9
138	18.0	21.8	32.8

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 APPROVED

Sohil
 12/1/2017 11:13:36 AM



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

