

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF101918\
 Data File : BF110021.D
 Acq On : 19 Oct 2018 23:38
 Operator : JU/SJ
 Sample : J5204-07DL 10X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-101718-BDL

Manual Integrations
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Quant Time: Oct 20 03:22:02 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 20 01:53:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	207139	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	810817	20.00	ng	0.00
39) Acenaphthene-d10	10.01	164	336186	20.00	ng	0.00
64) Phenanthrene-d10	11.50	188	519263	20.00	ng	0.00
76) Chrysene-d12	14.15	240	371935	20.00	ng	0.00
87) Perylene-d12	15.67	264	305588	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	143658	10.99	ng	-0.01
7) Phenol-d6	6.57	99	184170	11.35	ng	-0.02
23) Nitrobenzene-d5	7.52	82	104442	8.68	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	29066	9.99	ng	0.00
45) 2-Fluorobiphenyl	9.32	172	178873	8.49	ng	-0.01
79) Terphenyl-d14	13.08	244	118908	6.71	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.27	128	258716	6.958	ng	99
37) 2-Methylnaphthalene	8.96	142	178995	7.435	ng	98
38) 1-Methylnaphthalene	9.06	142	222394	9.533	ng	97
52) Acenaphthene	10.05	154	120082	5.885	ng	98
55) Dibenzofuran	10.22	168	99834	3.431	ng	97
58) Fluorene	10.56	166	197600	9.328	ng	99
71) Phenanthrene	11.53	178	797859	29.679	ng	99
72) Anthracene	11.57	178	206302	7.633	ng	99
75) Fluoranthene	12.72	202	579055	21.562	ng	99
78) Pyrene	12.95	202	564389	20.660	ng	99
81) Benzo(a)anthracene	14.14	228	232331	10.605	ng	94
83) Chrysene	14.17	228	210048	10.073	ng	99
86) Indeno(1,2,3-cd)pyrene	17.22	276	67567	4.024	ng	99
88) Benzo(b)fluoranthene	15.22	252	191103m	10.847	ng	
89) Benzo(k)fluoranthene	15.24	252	68889m	3.967	ng	
90) Benzo(a)pyrene	15.60	252	149269	9.212	ng	97
92) Benzo(g,h,i)perylene	17.69	276	62865	4.333	ng	96

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

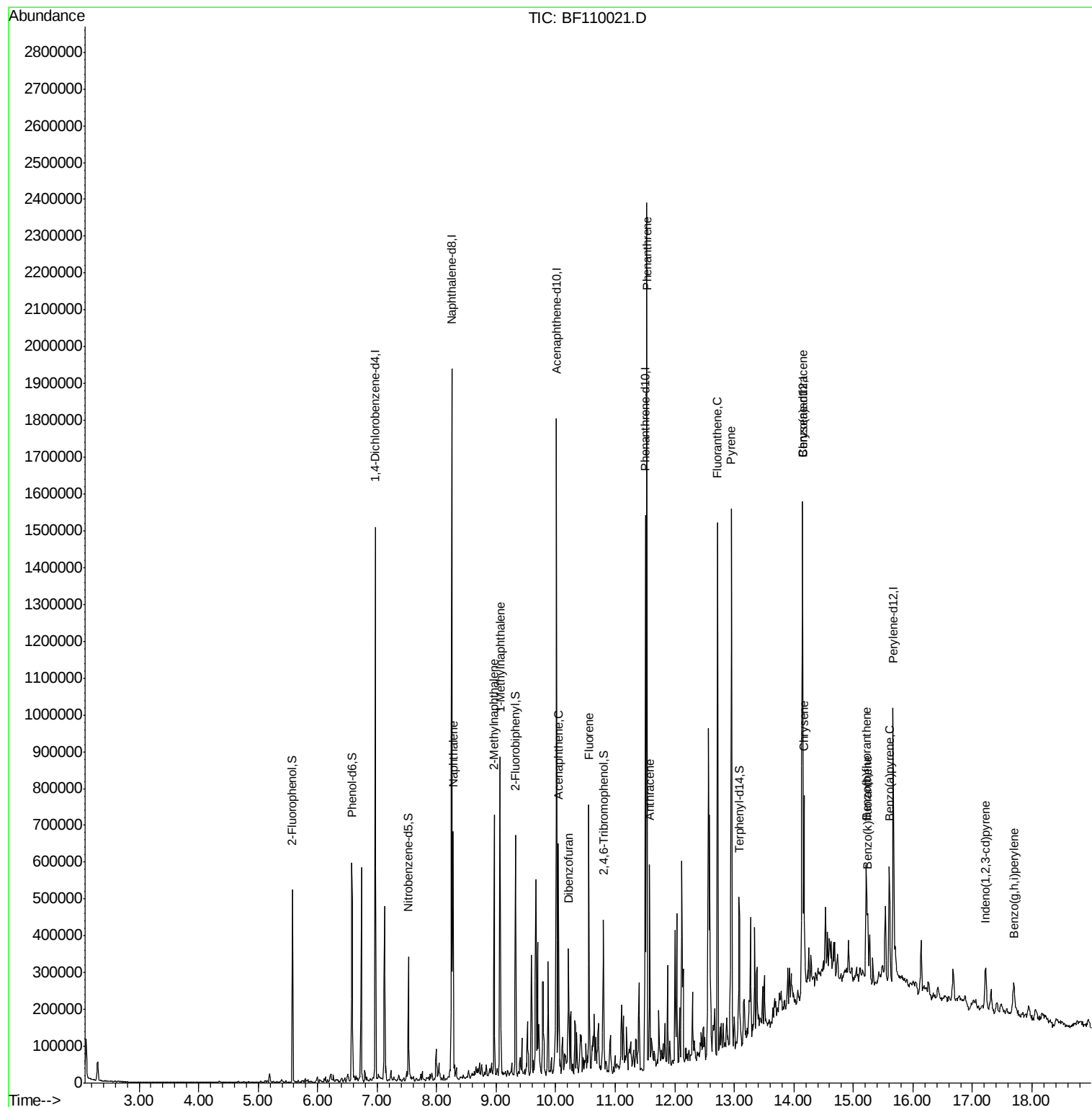
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF101918\
Data File : BF110021.D
Acq On : 19 Oct 2018 23:38
Operator : JU/SJ
Sample : J5204-07DL 10X
Misc :
ALS Vial : 26 Sample Multiplier: 1

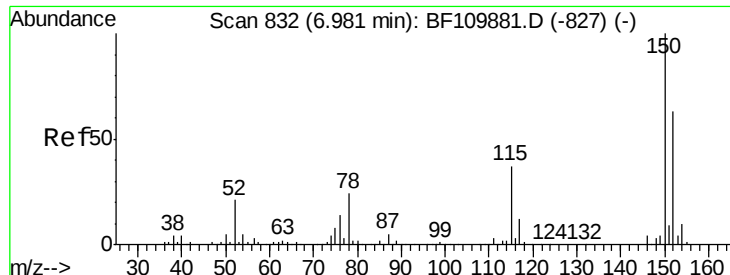
Instrument :
BNA_F
ClientSampleId :
SU-03-101718-BDL

Quant Time: Oct 20 03:22:02 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 20 01:53:35 2018
Response via : Initial Calibration

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#1

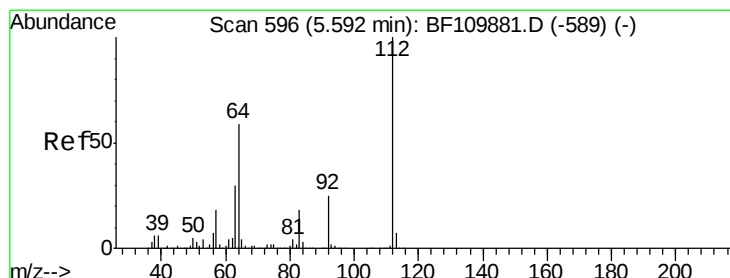
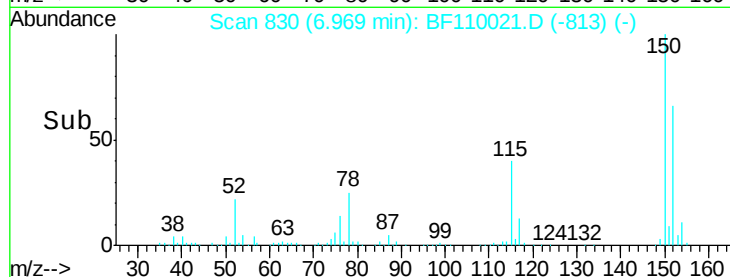
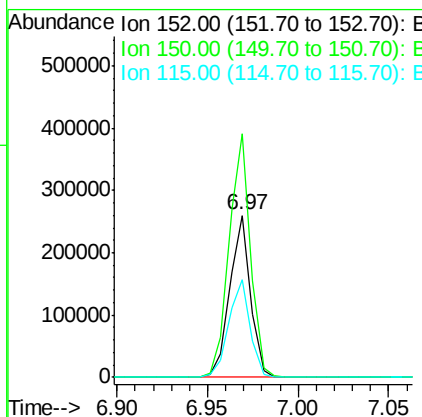
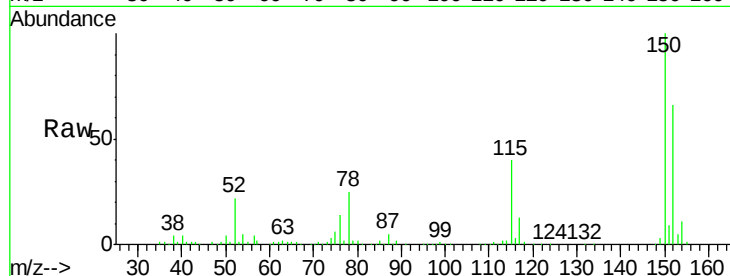
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. 0.00 min
Lab File: BF110021.D
Acq: 19 Oct 2018 23:38

Instrument :
BNA_F
ClientSampleId :
SU-03-101718-BDL

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	207139		
150	150.4	122.7	184.1	
115	60.3	49.1	73.7	

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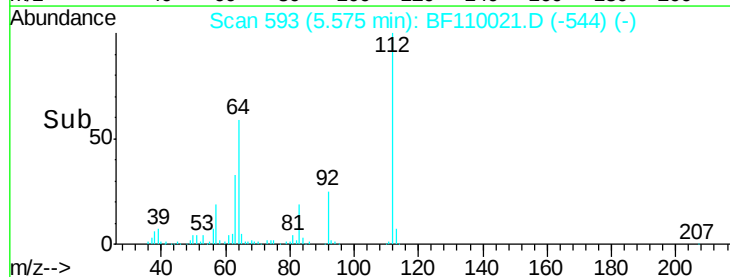
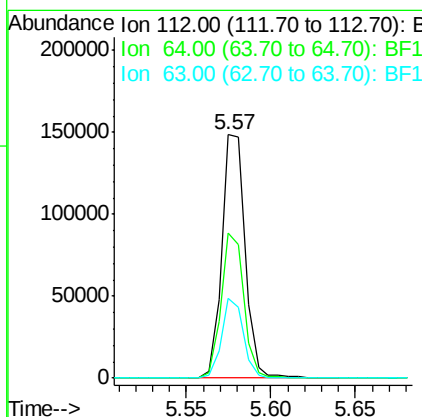
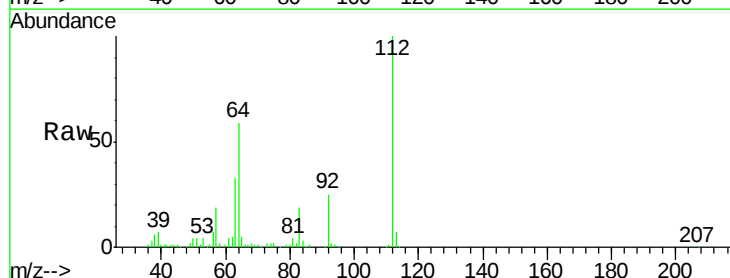
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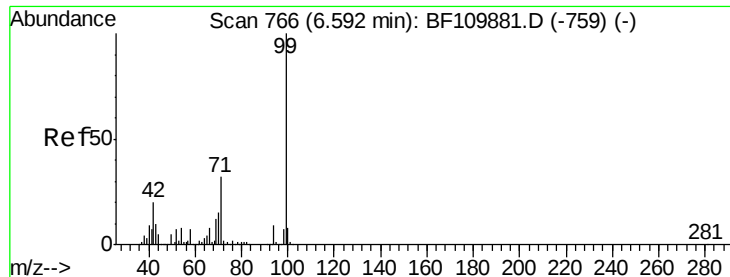


#5

2-Fluorophenol
Concen: 10.993 ng
RT: 5.57 min Scan# 593
Delta R.T. -0.01 min
Lab File: BF110021.D
Acq: 19 Oct 2018 23:38

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	143658		
64	59.4	44.1	66.1	
63	32.6	23.7	35.5	





#7

Phenol-d6

Concen: 11.350 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.02 min

Lab File: BF110021.D

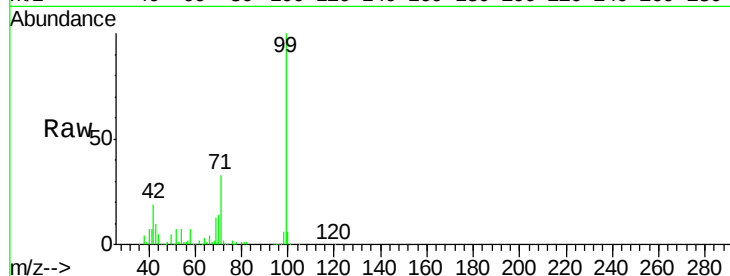
Acq: 19 Oct 2018 23:38

Instrument :

BNA_F

ClientSampleId :

SU-03-101718-BDL



Tgt Ion: 99 Resp: 184170

Ion Ratio Lower Upper

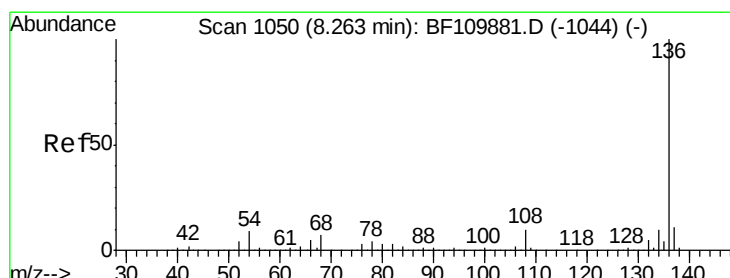
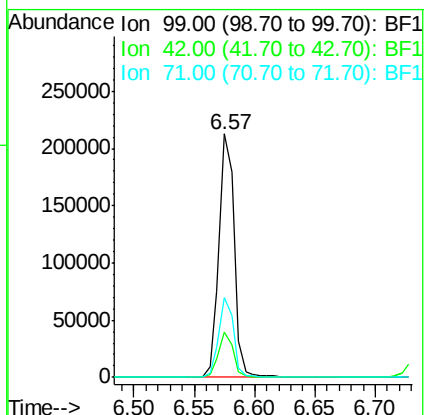
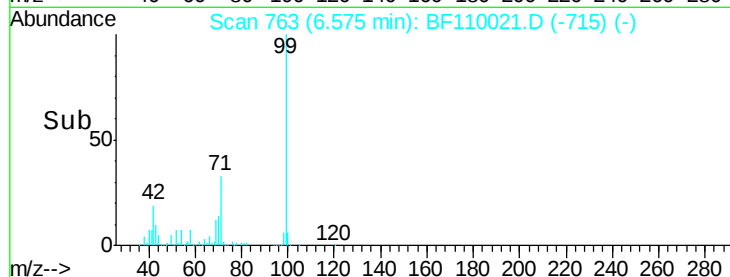
99 100

42 18.7 15.8 23.6

71 32.8 28.0 42.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. -0.01 min

Lab File: BF110021.D

Acq: 19 Oct 2018 23:38

Tgt Ion: 136 Resp: 810817

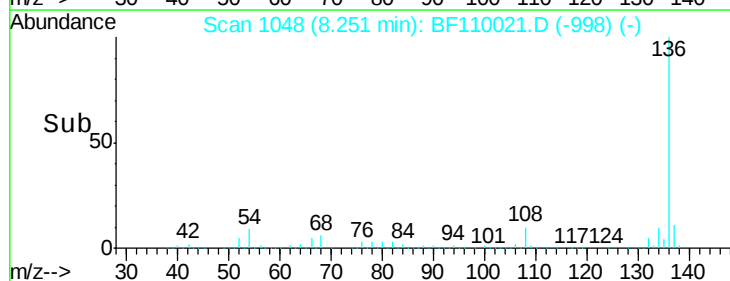
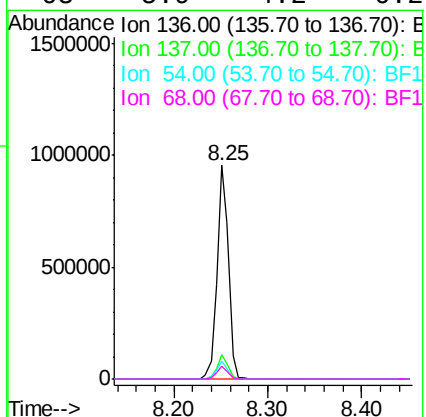
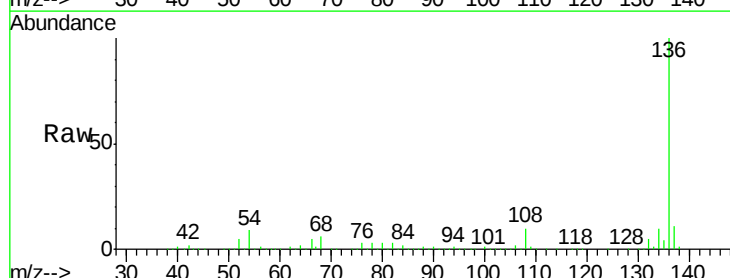
Ion Ratio Lower Upper

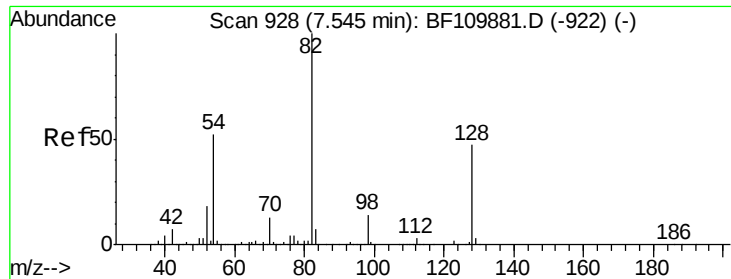
136 100

137 11.3 8.8 13.2

54 8.7 5.4 8.2#

68 5.9 4.2 6.2





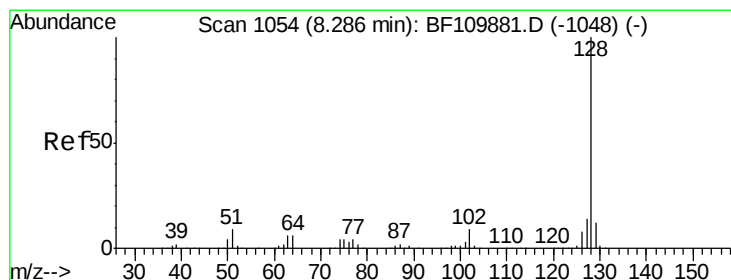
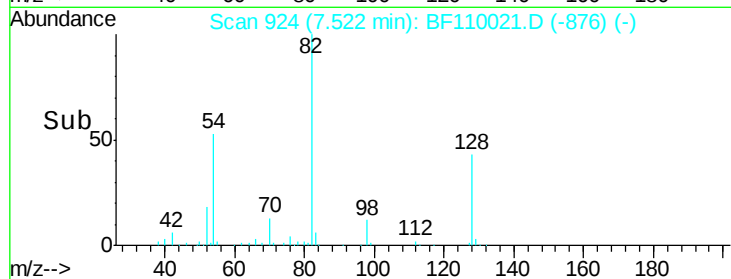
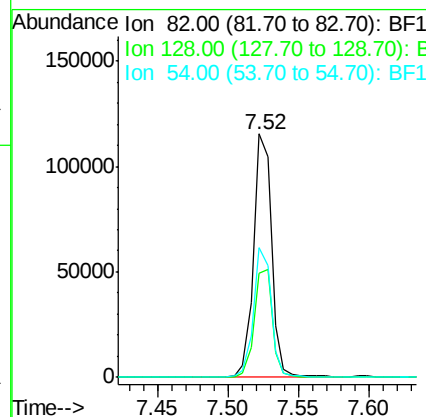
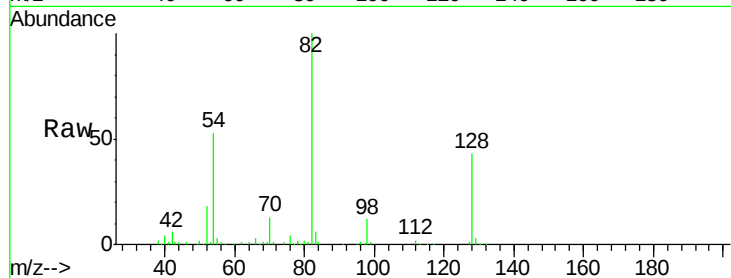
#23
Nitrobenzene-d5
Concen: 8.677 ng
RT: 7.52 min Scan# 924
Delta R.T. -0.02 min
Lab File: BF110021.D
Acq: 19 Oct 2018 23:38

Instrument :
BNA_F
ClientSampleId :
SU-03-101718-BDL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.7	34.2	51.2
54	53.1	38.6	58.0

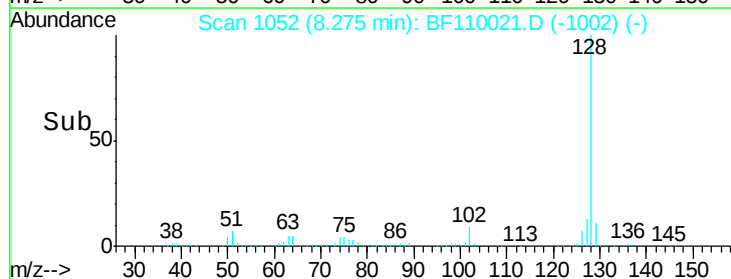
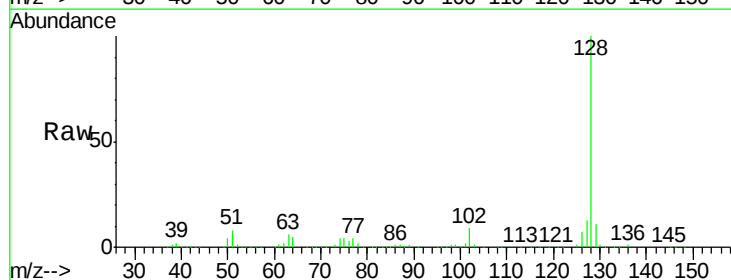
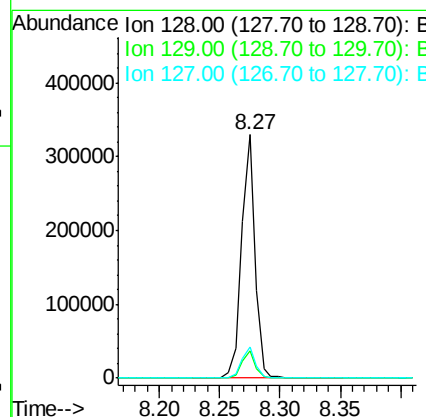
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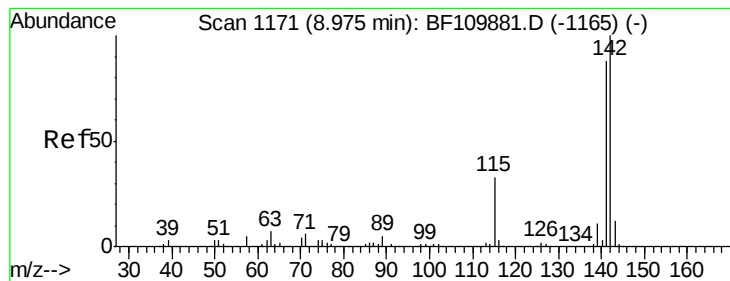
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#31
Naphthalene
Concen: 6.958 ng
RT: 8.27 min Scan# 1052
Delta R.T. -0.01 min
Lab File: BF110021.D
Acq: 19 Oct 2018 23:38

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	12.7	10.8	16.2





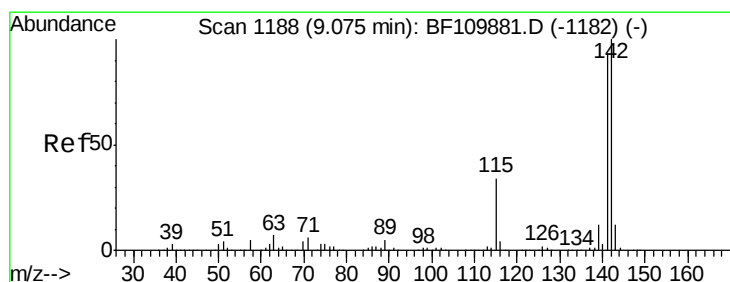
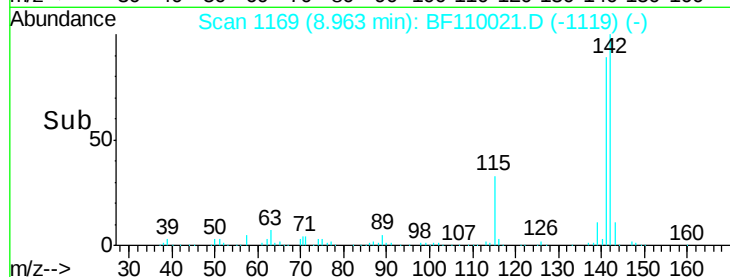
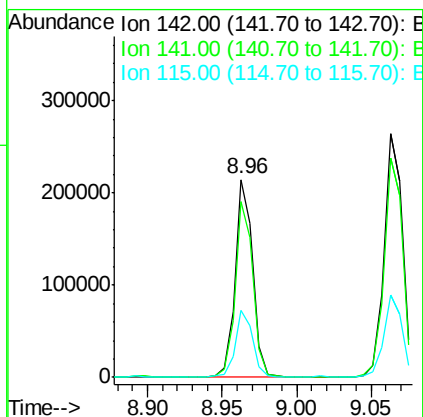
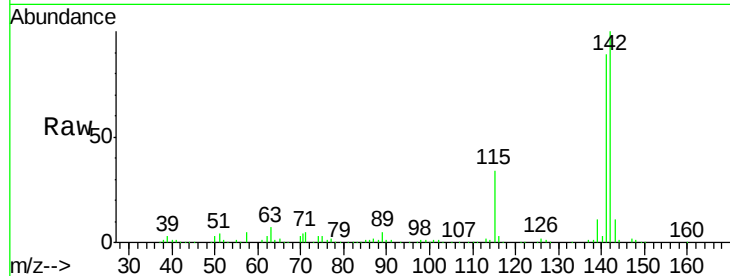
#37
2-Methylnaphthalene
Concen: 7.435 ng
RT: 8.96 min Scan# 1169
Delta R.T. -0.01 min
Lab File: BF110021.D
Acq: 19 Oct 2018 23:38

Instrument :
BNA_F
ClientSampleId :
SU-03-101718-BDL

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	178995		
141	88.6	71.4	107.2	
115	33.6	28.7	43.1	

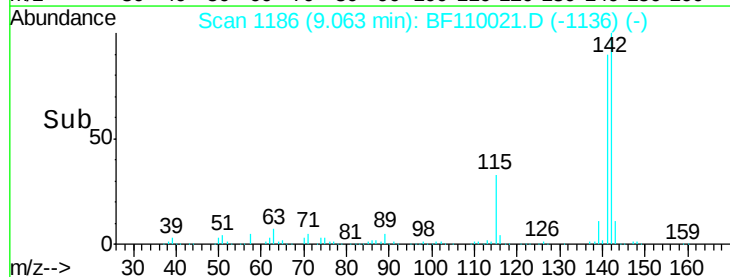
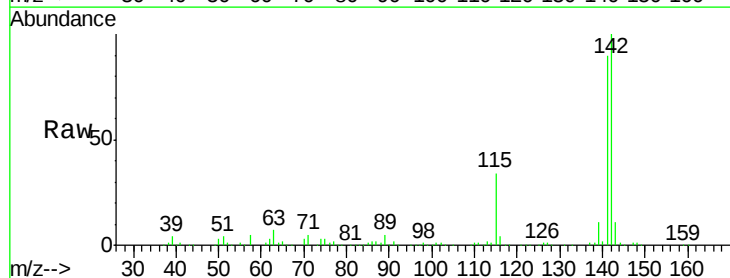
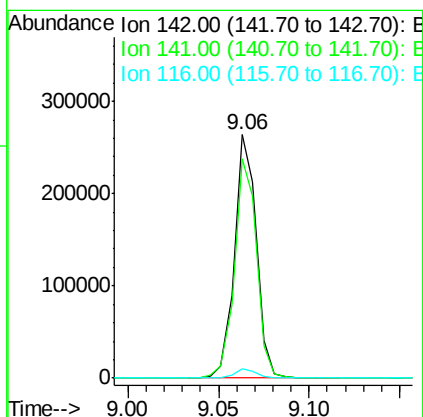
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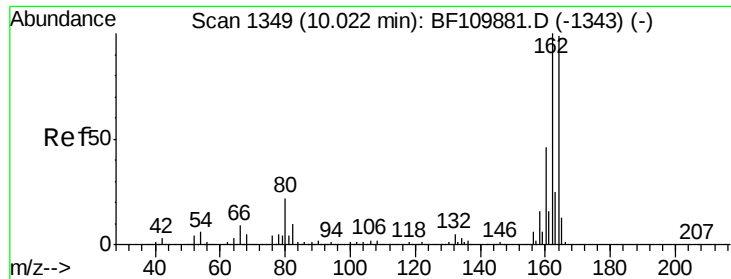
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#38
1-Methylnaphthalene
Concen: 9.533 ng
RT: 9.06 min Scan# 1186
Delta R.T. -0.01 min
Lab File: BF110021.D
Acq: 19 Oct 2018 23:38

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	222394		
141	90.3	74.2	111.4	
116	3.7	2.6	4.0	





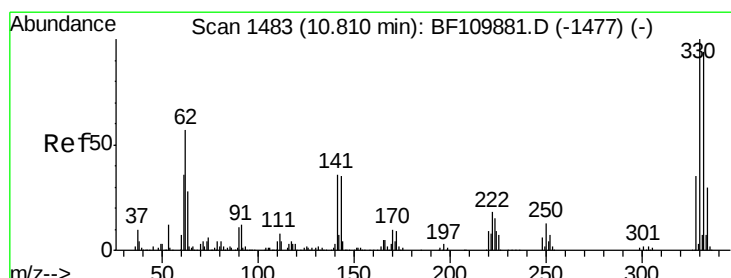
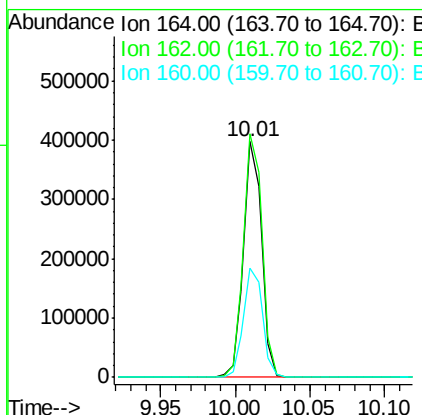
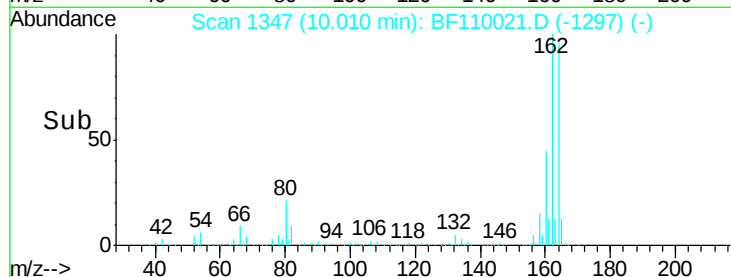
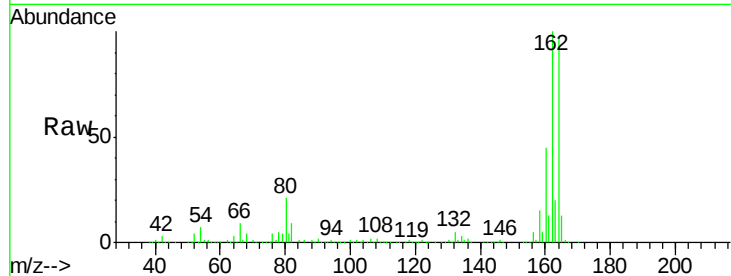
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BF110021.D
Acq: 19 Oct 2018 23:38

Instrument :
BNA_F
ClientSampleId :
SU-03-101718-BDL

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.4	83.0	124.6	
160	46.2	37.0	55.6	

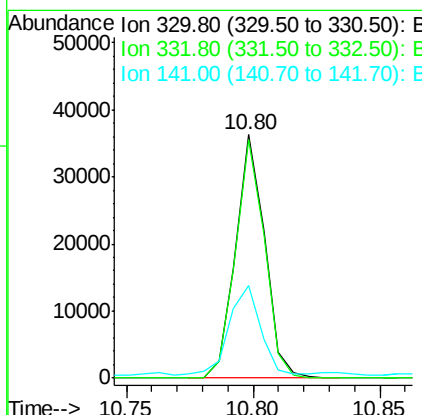
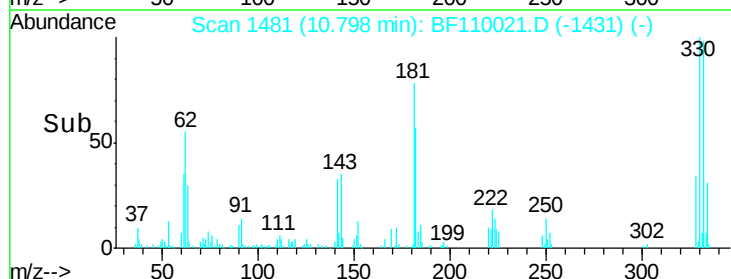
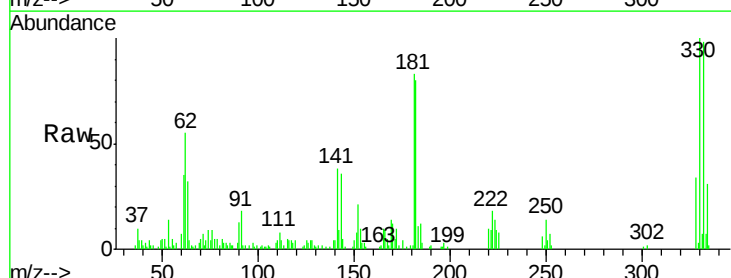
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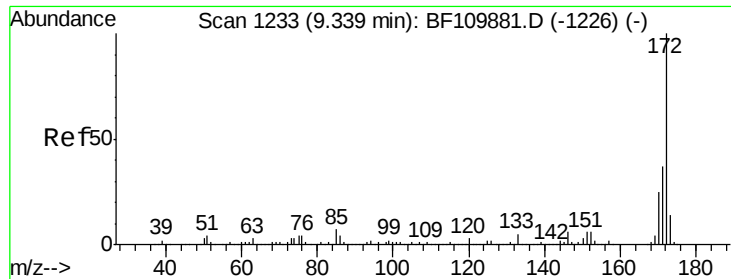
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#42
2,4,6-Tribromophenol
Concen: 9.986 ng
RT: 10.80 min Scan# 1481
Delta R.T. -0.01 min
Lab File: BF110021.D
Acq: 19 Oct 2018 23:38

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.9	77.1	115.7	
141	39.2	27.0	40.4	





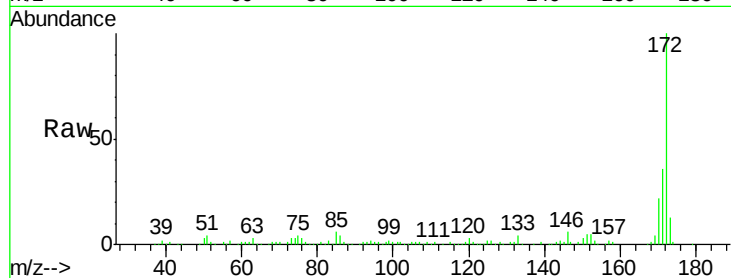
#45
2-Fluorobiphenyl
Concen: 8.490 ng
RT: 9.32 min Scan# 1230
Delta R.T. -0.01 min
Lab File: BF110021.D
Acq: 19 Oct 2018 23:38

Instrument :
BNA_F
ClientSampleId :
SU-03-101718-BDL

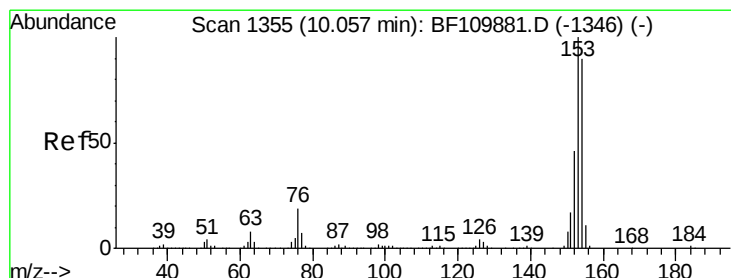
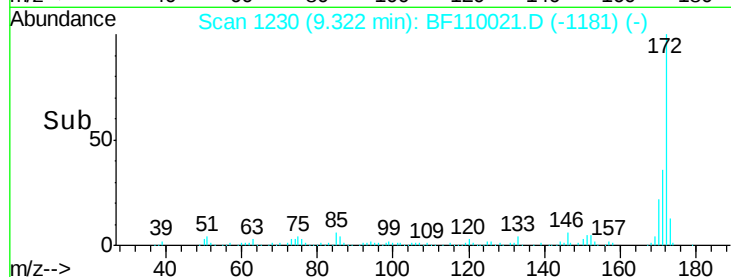
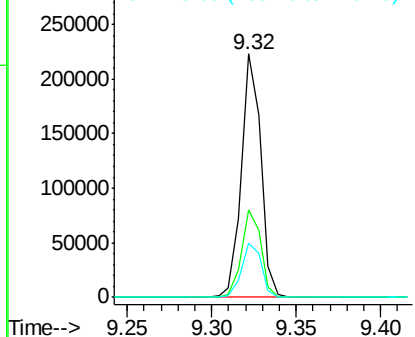
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	178873		
171	35.7		28.6	43.0
170	22.5		19.7	29.5

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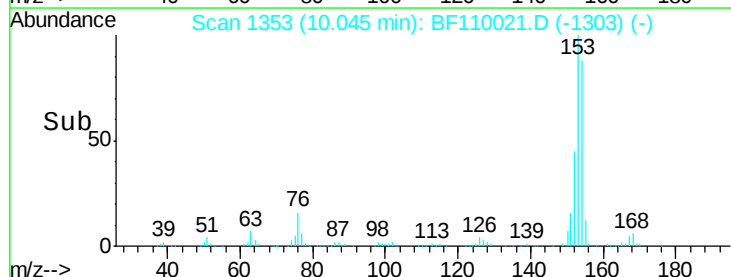
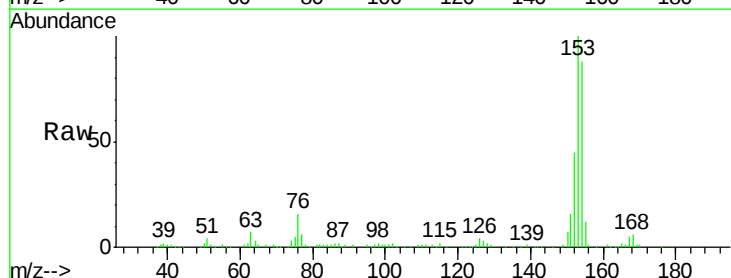
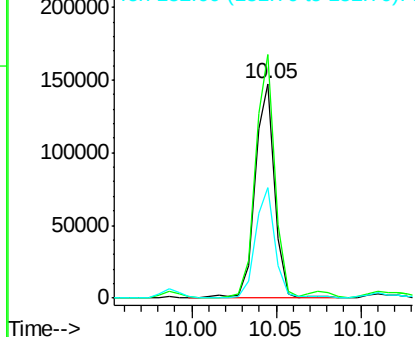
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

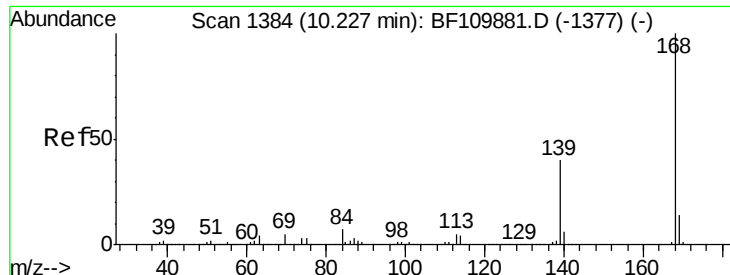


#52
Acenaphthene
Concen: 5.885 ng
RT: 10.05 min Scan# 1353
Delta R.T. -0.01 min
Lab File: BF110021.D
Acq: 19 Oct 2018 23:38

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	120082		
153	113.5		90.1	135.1
152	51.5		43.4	65.2

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





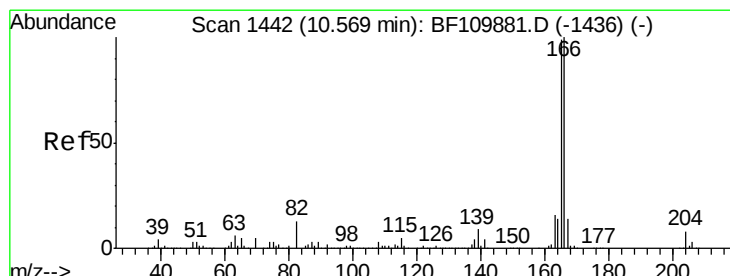
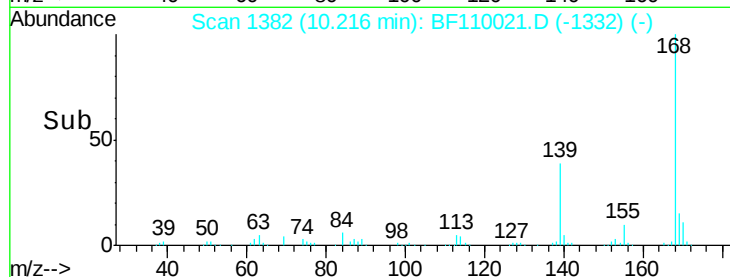
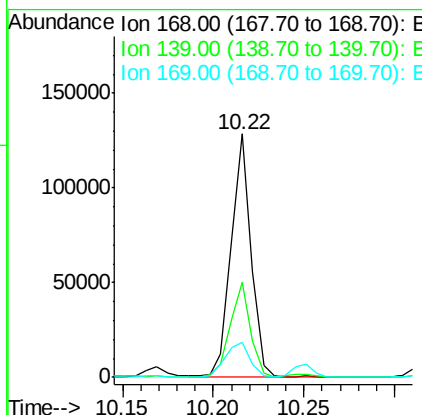
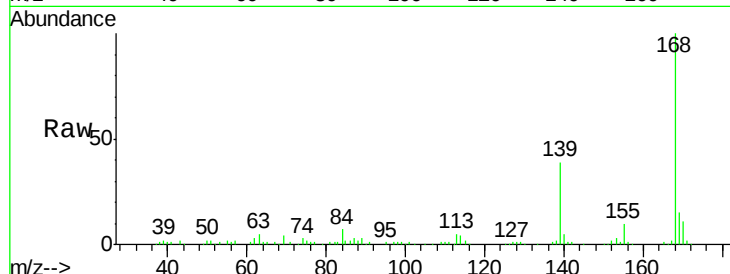
#55
Dibenzenofuran
Concen: 3.431 ng
RT: 10.22 min Scan# 1382
Delta R.T. -0.01 min
Lab File: BF110021.D
Acq: 19 Oct 2018 23:38

Instrument :
BNA_F
ClientSampleId :
SU-03-101718-BDL

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	99834		
139	39.3	33.0	49.6	
169	14.6	11.3	16.9	

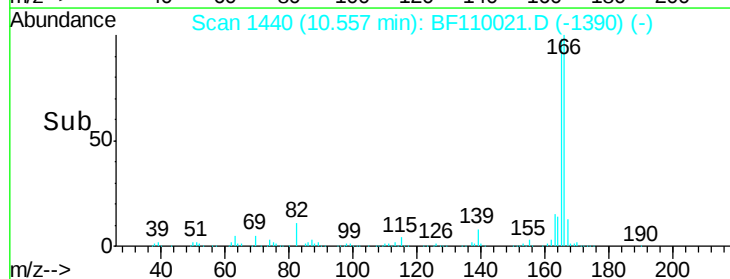
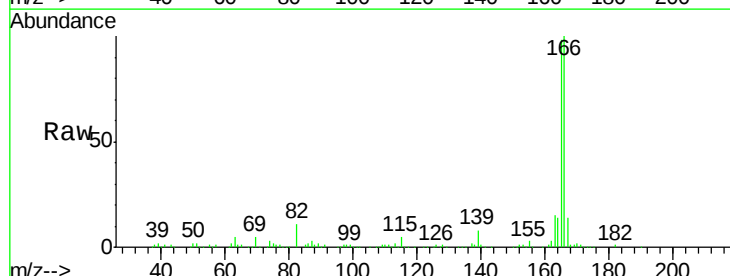
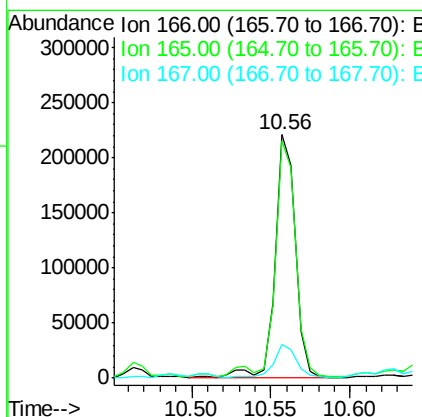
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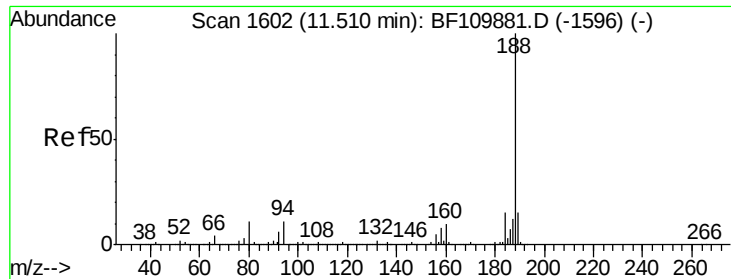
Sohil
10/22/2018 2:55:48 PM



#58
Fluorene
Concen: 9.328 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF110021.D
Acq: 19 Oct 2018 23:38

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	197600		
165	97.7	78.6	117.8	
167	13.7	10.8	16.2	





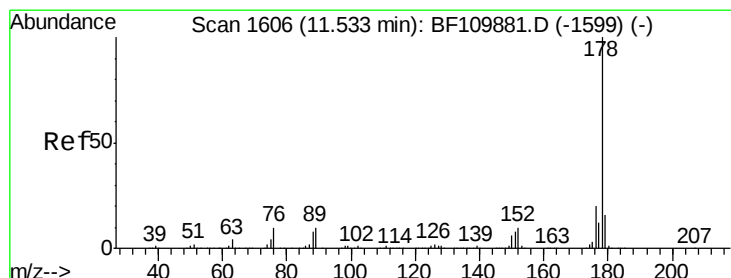
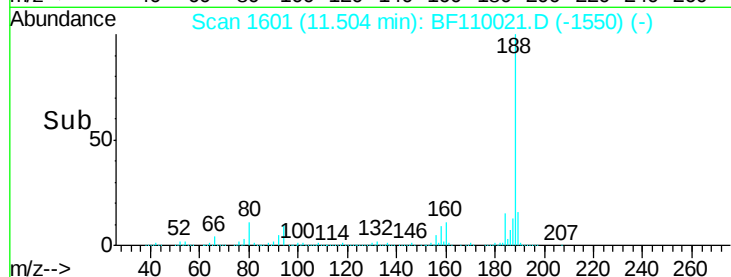
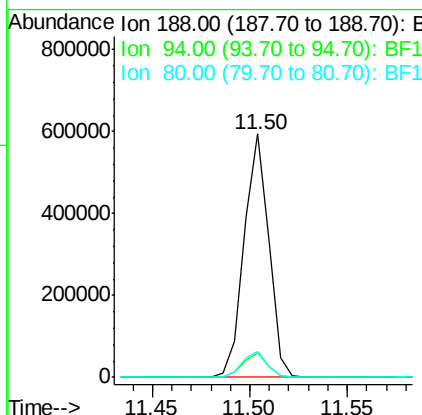
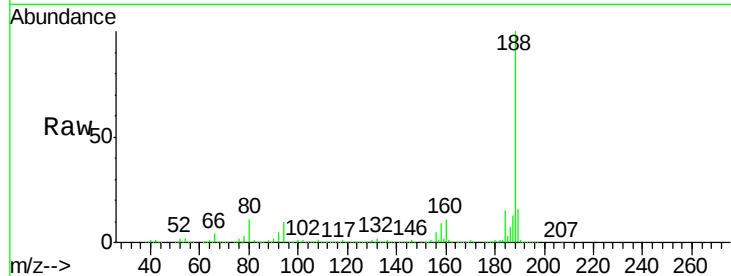
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: BF110021.D
Acq: 19 Oct 2018 23:38

Instrument :
BNA_F
ClientSampleId :
SU-03-101718-BDL

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	519263		
94	10.0	7.2	10.8	
80	10.5	7.9	11.9	

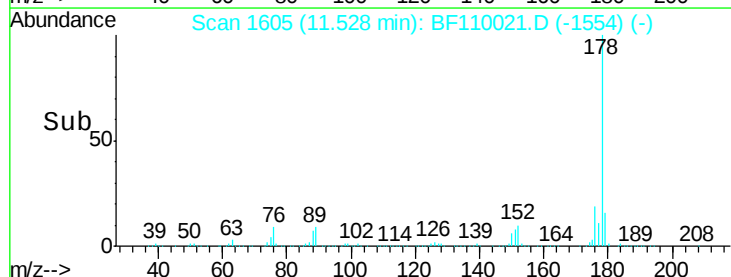
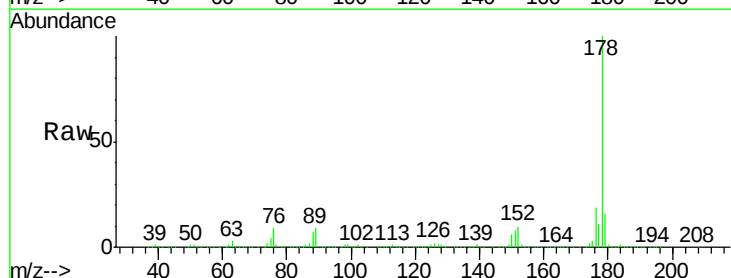
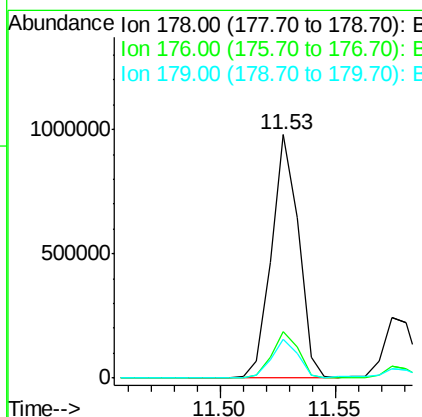
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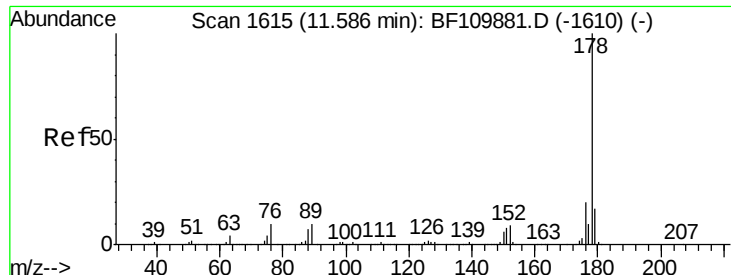
Sohil
10/22/2018 2:55:48 PM



#71
Phenanthrene
Concen: 29.679 ng
RT: 11.53 min Scan# 1605
Delta R.T. 0.00 min
Lab File: BF110021.D
Acq: 19 Oct 2018 23:38

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	797859		
176	19.2	15.5	23.3	
179	15.9	12.5	18.7	





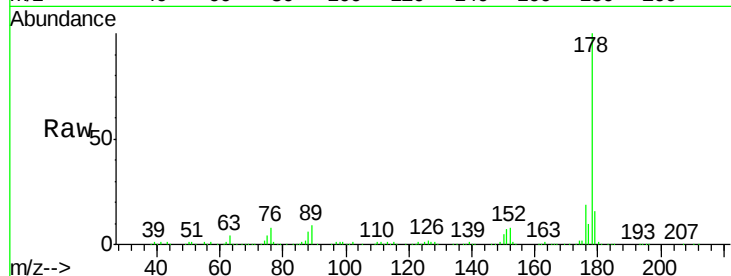
#72
 Anthracene
 Concen: 7.633 ng
 RT: 11.57 min Scan# 1613
 Delta R.T. -0.01 min
 Lab File: BF110021.D
 Acq: 19 Oct 2018 23:38

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-101718-BDL

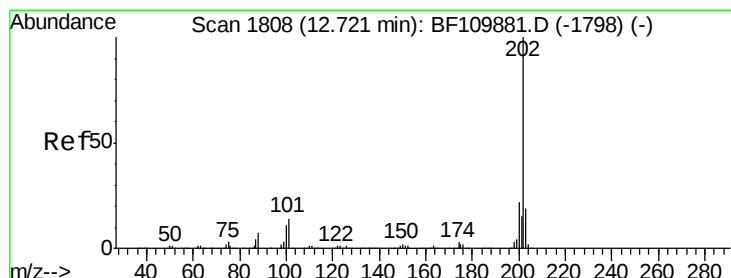
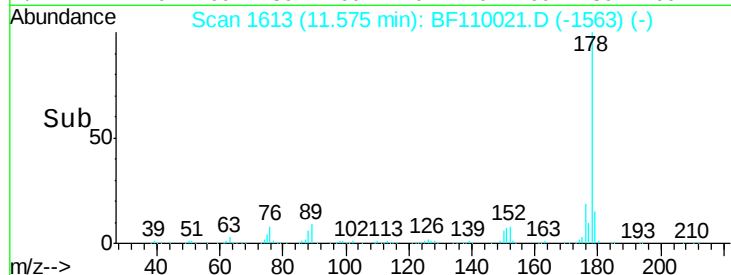
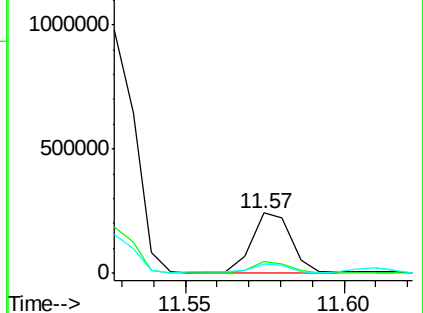
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	15.5	12.6	18.8

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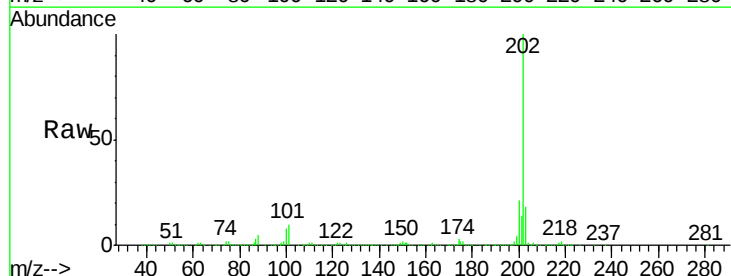


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

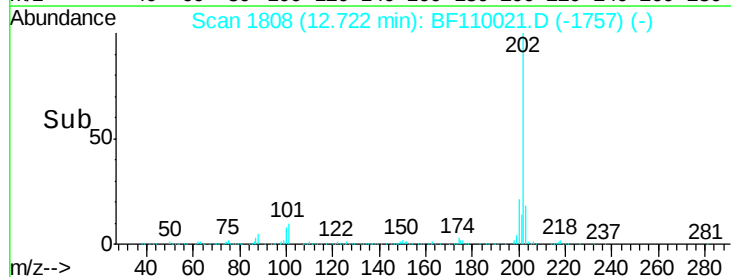
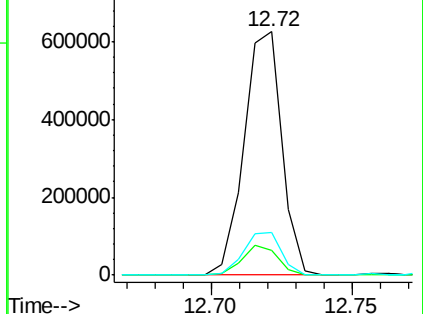


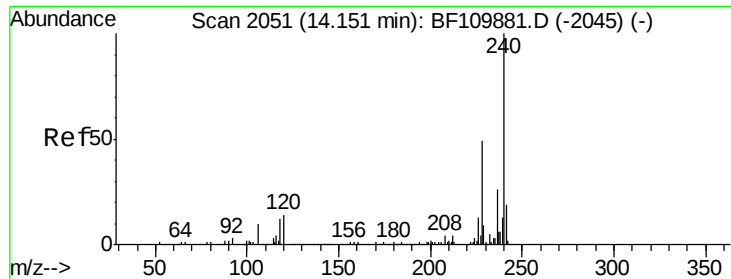
#75
 Fluoranthene
 Concen: 21.562 ng
 RT: 12.72 min Scan# 1808
 Delta R.T. 0.00 min
 Lab File: BF110021.D
 Acq: 19 Oct 2018 23:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	31.4
203	17.6	0.0	37.7



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





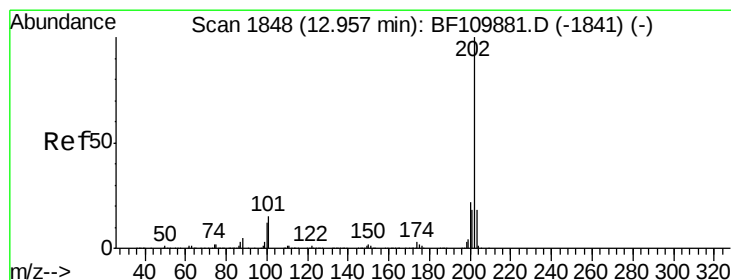
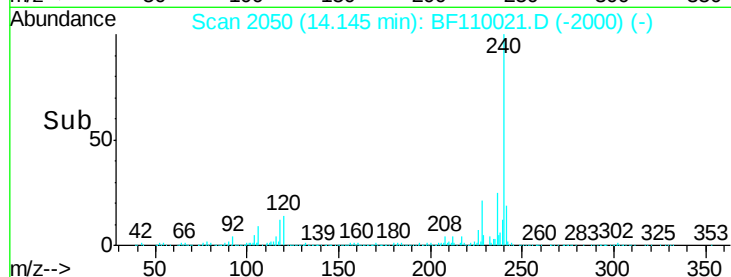
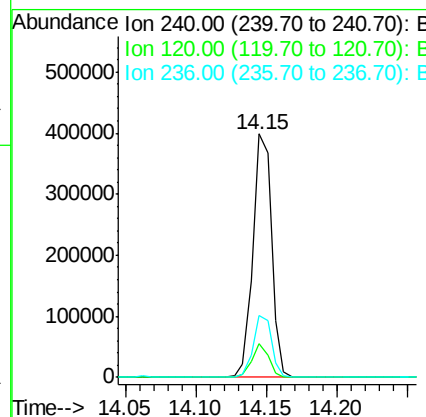
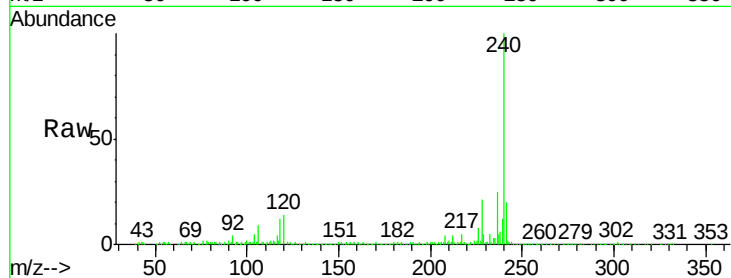
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BF110021.D
Acq: 19 Oct 2018 23:38

Instrument :
BNA_F
ClientSampleId :
SU-03-101718-BDL

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.7	8.3	12.5#
236	25.4	21.2	31.8

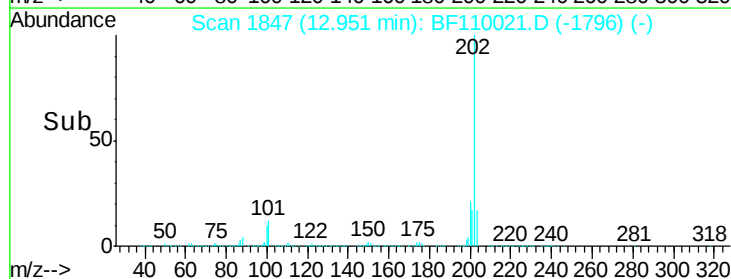
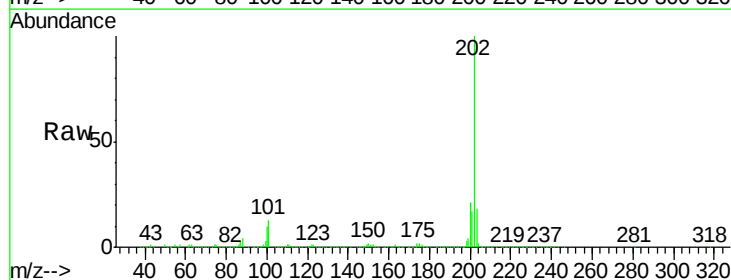
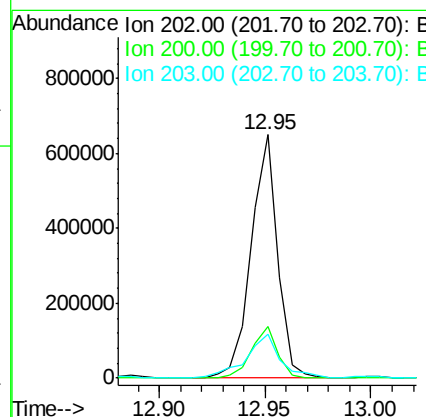
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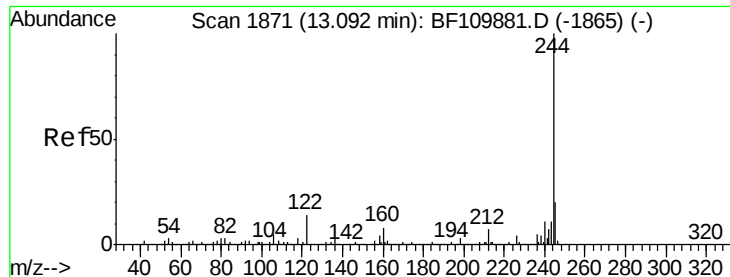
Sohil
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#78
Pyrene
Concen: 20.660 ng
RT: 12.95 min Scan# 1847
Delta R.T. 0.00 min
Lab File: BF110021.D
Acq: 19 Oct 2018 23:38

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.8	26.6
203	17.9	14.2	21.4





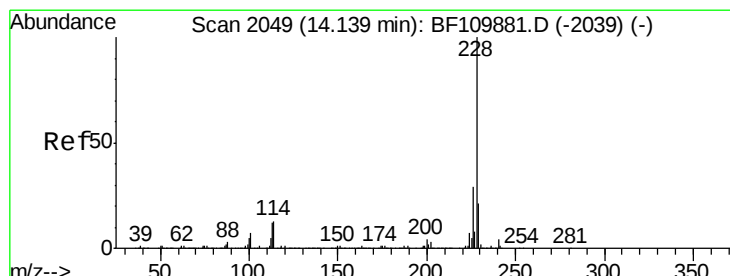
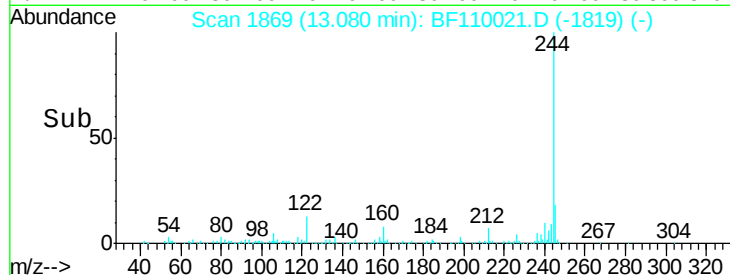
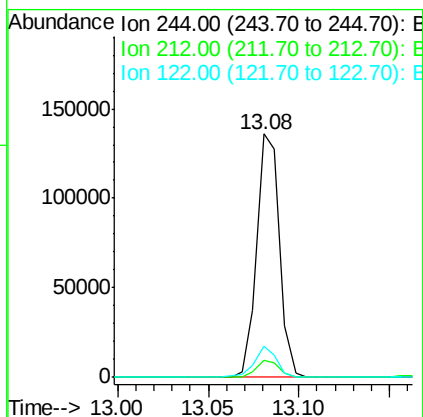
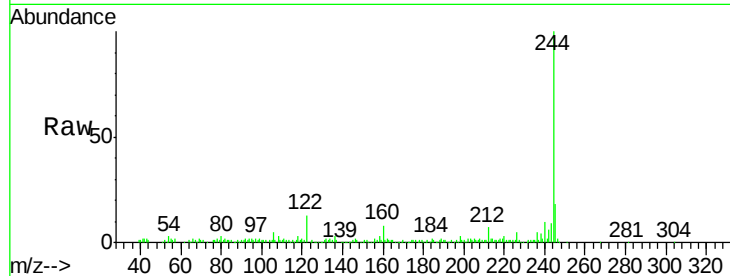
#79
 Terphenyl-d14
 Concen: 6.713 ng
 RT: 13.08 min Scan# 1869
 Delta R.T. -0.01 min
 Lab File: BF110021.D
 Acq: 19 Oct 2018 23:38

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-101718-BDL

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.2	5.8	8.8
122	12.8	8.7	13.1

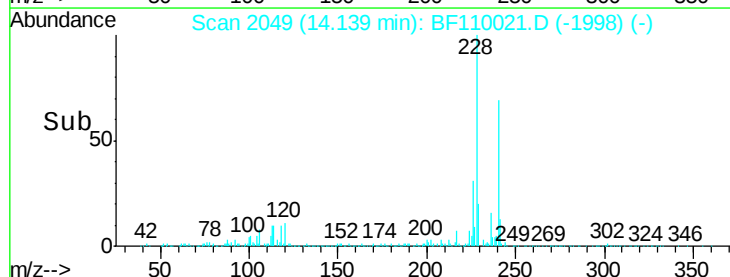
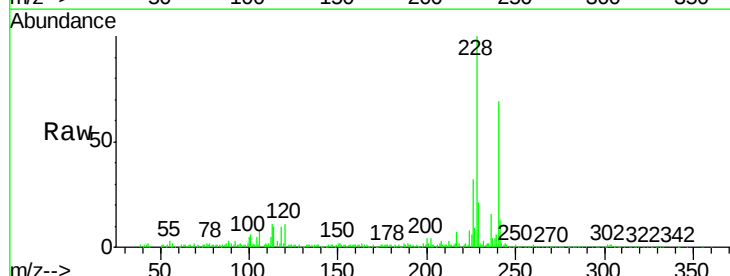
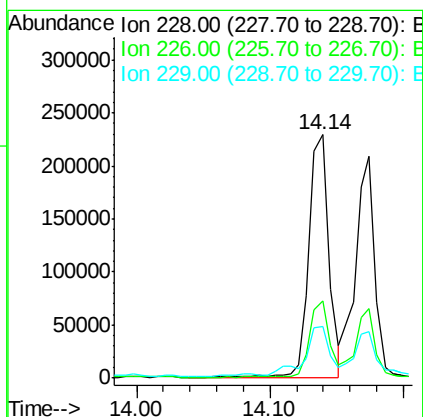
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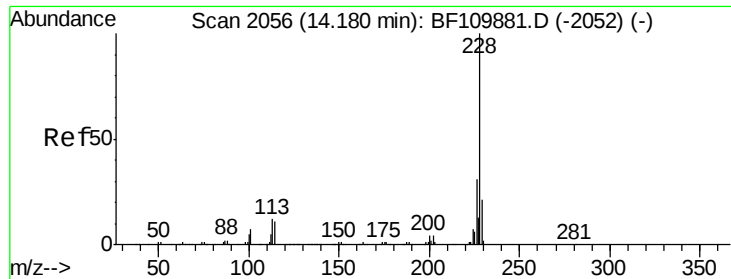
Sohil
 10/22/2018 2:55:48 PM



#81
 Benzo(a)anthracene
 Concen: 10.605 ng
 RT: 14.14 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: BF110021.D
 Acq: 19 Oct 2018 23:38

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	31.6	22.1	33.1
229	21.0	15.6	23.4





#83

Chrysene

Concen: 10.073 ng

RT: 14.17 min Scan# 2055

Delta R.T. -0.01 min

Lab File: BF110021.D

Acq: 19 Oct 2018 23:38

Instrument :

BNA_F

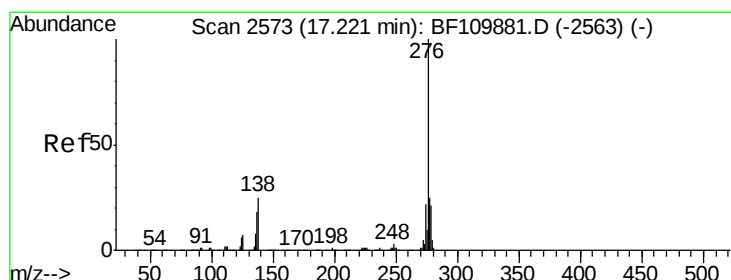
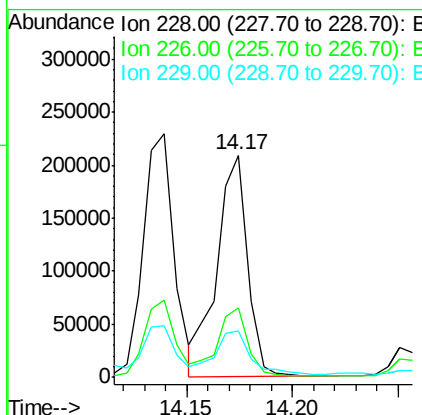
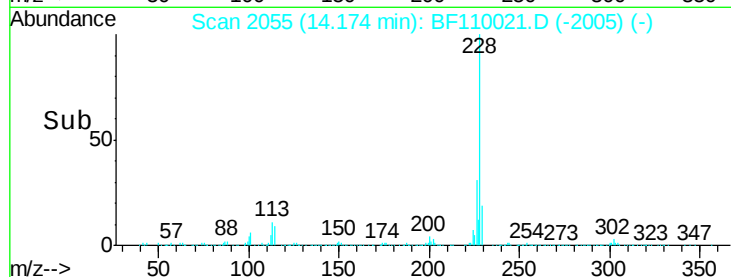
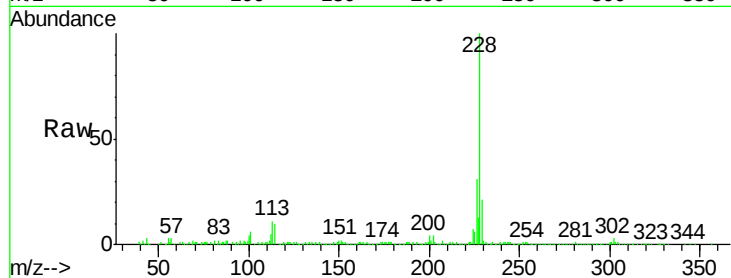
ClientSampleId :

SU-03-101718-BDL

Tgt Ion:	228	Resp:	210048
Ion Ratio	Lower	Upper	
228	100		
226	31.4	24.7	37.1
229	21.0	15.9	23.9

Manual Integrations
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#86

Indeno(1,2,3-cd)pyrene

Concen: 4.024 ng

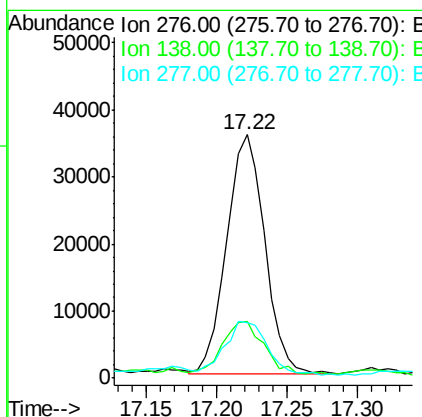
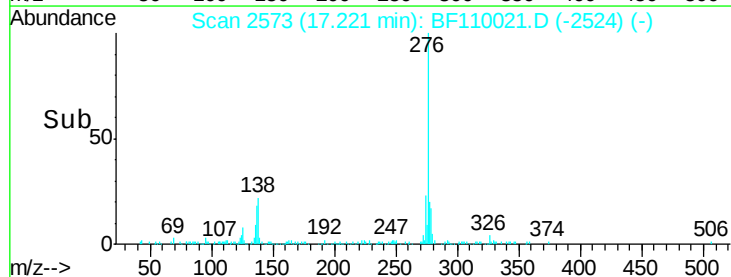
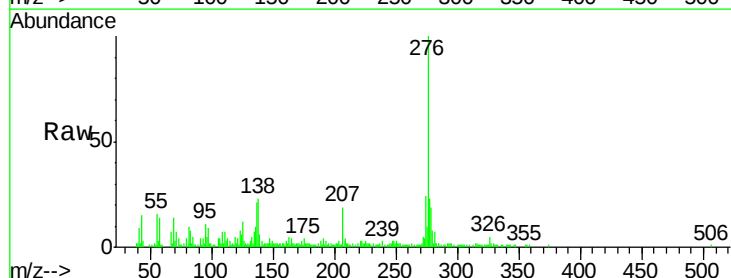
RT: 17.22 min Scan# 2573

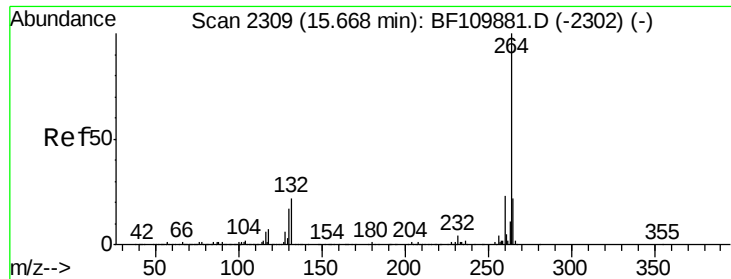
Delta R.T. -0.01 min

Lab File: BF110021.D

Acq: 19 Oct 2018 23:38

Tgt Ion:	276	Resp:	67567
Ion Ratio	Lower	Upper	
276	100		
138	23.7	18.5	27.7
277	25.2	20.0	30.0





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2309

Delta R.T. 0.00 min

Lab File: BF110021.D

Acq: 19 Oct 2018 23:38

Instrument :

BNA_F

ClientSampleId :

SU-03-101718-BDL

Tgt Ion: 264 Resp: 305588

Ion Ratio Lower Upper

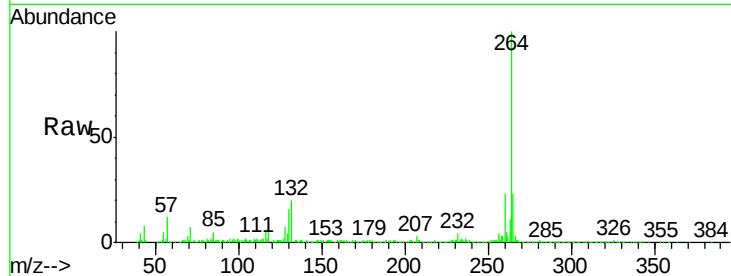
264 100

260 23.3 18.7 28.1

265 22.8 16.7 25.1

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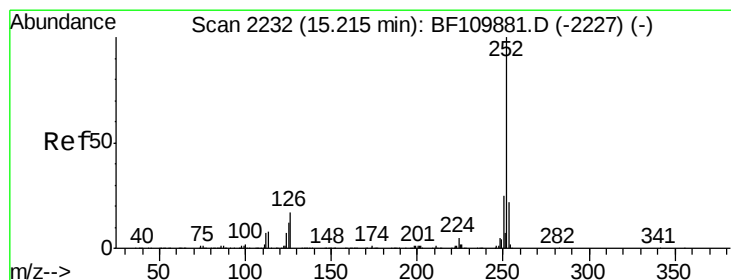
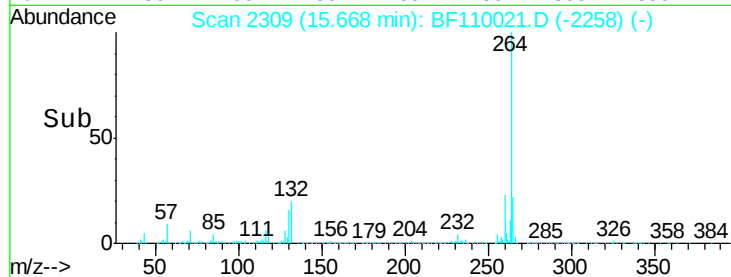
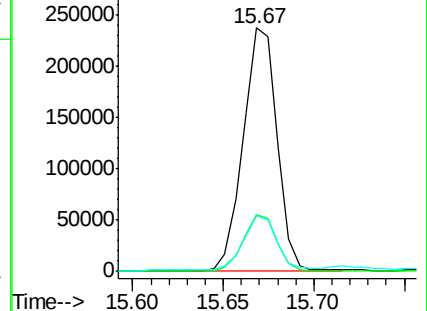
Sohil
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Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 10.847 ng m

RT: 15.22 min Scan# 2232

Delta R.T. -0.01 min

Lab File: BF110021.D

Acq: 19 Oct 2018 23:38

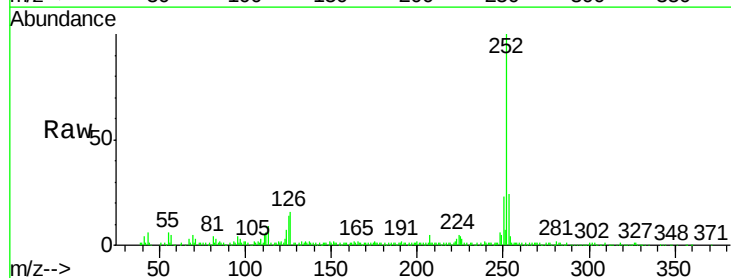
Tgt Ion: 252 Resp: 191103

Ion Ratio Lower Upper

252 100

253 23.8 17.2 25.8

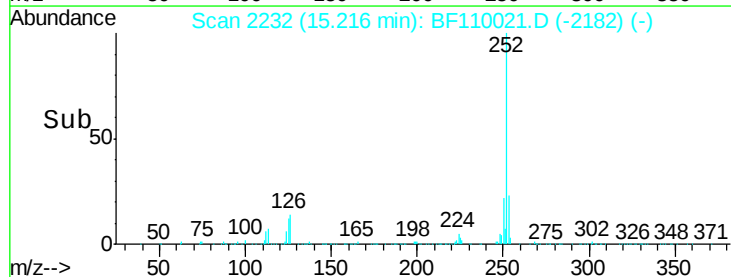
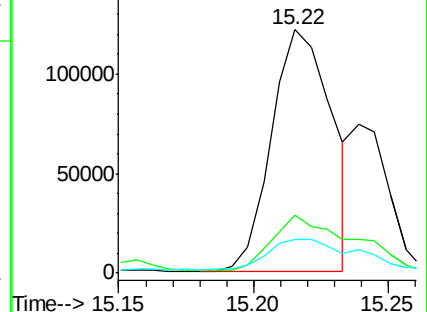
125 13.8 8.2 12.4#

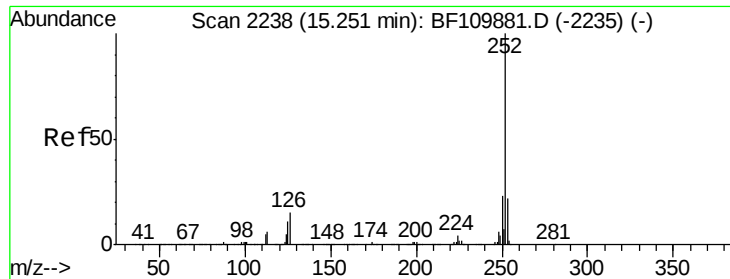


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





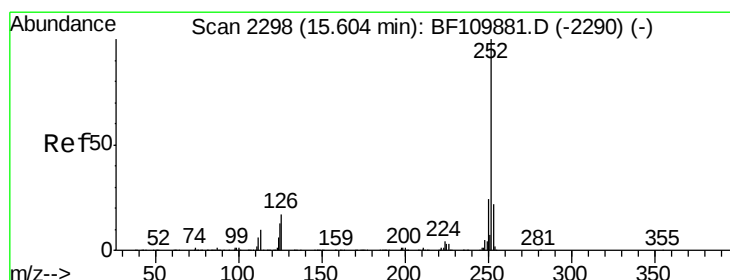
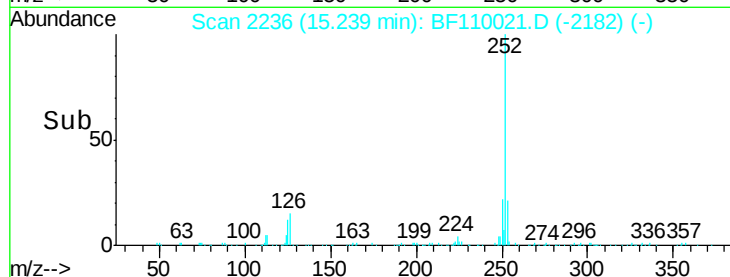
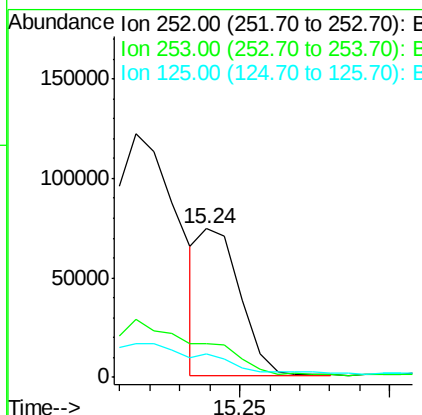
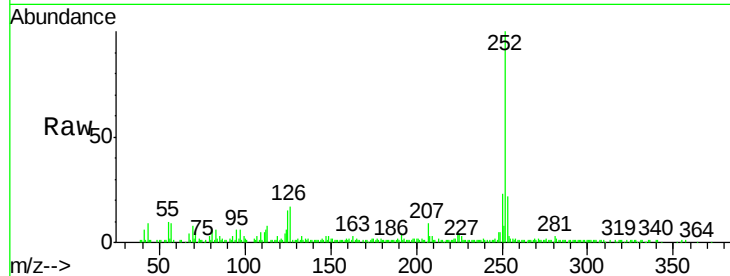
#89
Benzo(k)fluoranthene
Concen: 3.967 ng m
RT: 15.24 min Scan# 2236
Delta R.T. 0.02 min
Lab File: BF110021.D
Acq: 19 Oct 2018 23:38

Instrument :
BNA_F
ClientSampleId :
SU-03-101718-BDL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.2	25.8
125	15.5	7.4	11.0

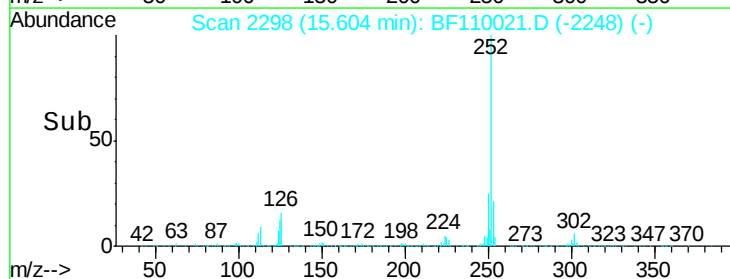
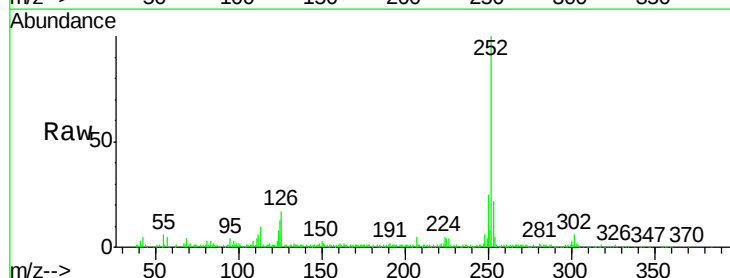
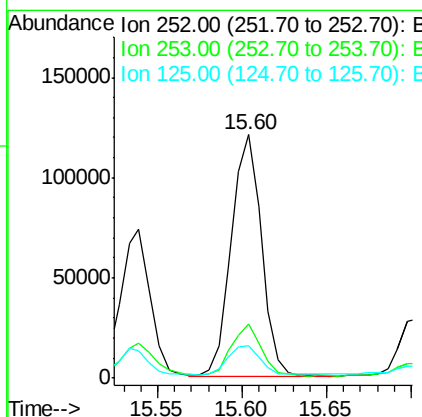
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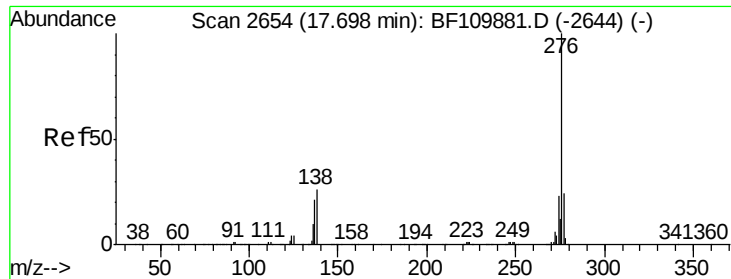
Sohil
10/22/2018 2:55:48 PM



#90
Benzo(a)pyrene
Concen: 9.212 ng
RT: 15.60 min Scan# 2298
Delta R.T. -0.01 min
Lab File: BF110021.D
Acq: 19 Oct 2018 23:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.4
125	13.3	9.0	13.6





#92
 Benzo(g,h,i)perylene
 Concen: 4.333 ng
 RT: 17.69 min Scan# 2653
 Delta R.T. -0.01 min
 Lab File: BF110021.D
 Acq: 19 Oct 2018 23:38

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-101718-BDL

Tgt	Ion	276	Resp:	62865
Ion	Ratio	100	Lower	Upper
276	100			
277	23.9	18.8	28.2	
138	23.5	16.0	24.0	

Manual Integrations
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Sohil
 10/22/2018 2:55:48 PM

