

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021420\
 Data File : BF118943.D
 Acq On : 14 Feb 2020 20:39
 Operator : CG/JU
 Sample : L1482-03DLRE 50X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP6-EP1-1.5DLRE

Manual Integrations
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Quant Time: Feb 17 07:45:26 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 14 00:49:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	256210	20.00	ng	-0.04
21) Naphthalene-d8	8.06	136	944761	20.00	ng	-0.04
39) Acenaphthene-d10	9.81	164	331091	20.00	ng	-0.05
64) Phenanthrene-d10	11.29	188	506046	20.00	ng	-0.05
76) Chrysene-d12	13.93	240	392146	20.00	ng	-0.05
87) Perylene-d12	15.36	264	464017	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	15050	1.11	ng	-0.03
7) Phenol-d6	6.42	99	28833	1.72	ng	-0.04
23) Nitrobenzene-d5	7.33	82	19609	1.24	ng	-0.05
42) 2,4,6-Tribromophenol	10.60	330	5231	1.32	ng	-0.05
45) 2-Fluorobiphenyl	9.13	172	35444	1.91	ng	-0.05
79) Terphenyl-d14	12.87	244	31850	1.67	ng	-0.05
Target Compounds						Qvalue
31) Naphthalene	8.09	128	3761107	87.04	ng	97
37) 2-Methylnaphthalene	8.77	142	1212575	40.46	ng	97
38) 1-Methylnaphthalene	8.87	142	920542	32.65	ng	99
46) 1,1'-Biphenyl	9.23	154	302524	13.21	ng	98
49) Acenaphthylene	9.67	152	138698	5.05	ng	# 88
52) Acenaphthene	9.84	154	113911	6.29	ng	100
55) Dibenzofuran	10.02	168	61498	2.35	ng	# 87
58) Fluorene	10.36	166	589180	29.91	ng	98
71) Phenanthrene	11.32	178	2082527	83.64	ng	100
72) Anthracene	11.37	178	293591	11.85	ng	96
73) Carbazole	11.52	167	51198	2.36	ng	100
75) Fluoranthene	12.50	202	755071	27.78	ng	99
78) Pyrene	12.73	202	1182152	43.94	ng	98
81) Benzo(a)anthracene	13.92	228	460776	19.75	ng	95
83) Chrysene	13.96	228	471889	20.15	ng	98
86) Indeno(1,2,3-cd)pyrene	16.77	276	172206	7.32	ng	97
88) Benzo(b)fluoranthene	14.95	252	370452m	12.87	ng	
89) Benzo(k)fluoranthene	14.97	252	112411m	4.48	ng	
90) Benzo(a)pyrene	15.30	252	436878	17.73	ng	98
91) Dibenzo(a,h)anthracene	16.78	278	56856	2.60	ng	# 89
92) Benzo(g,h,i)perylene	17.20	276	183953	8.74	ng	97

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

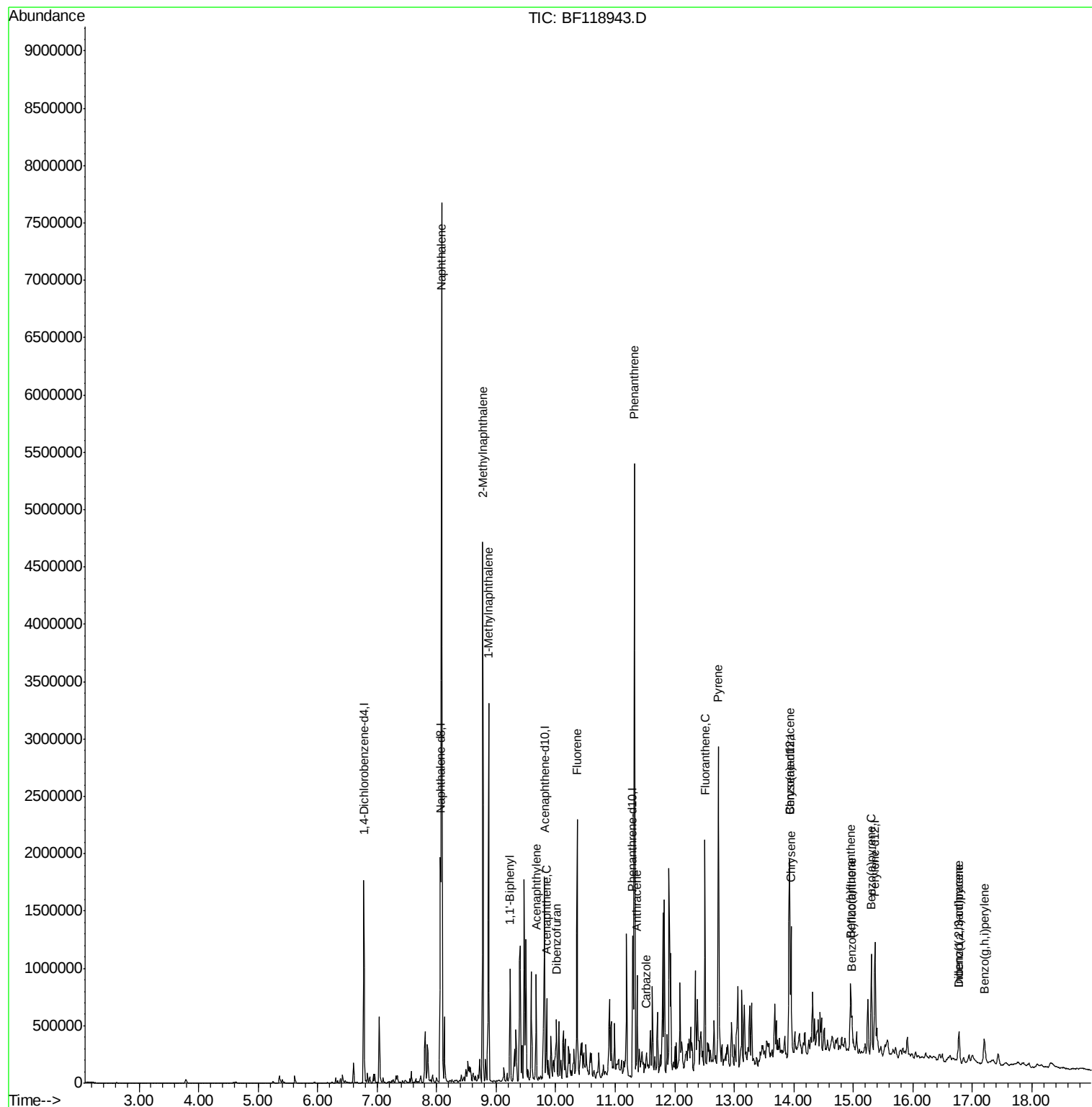
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021420\
Data File : BF118943.D
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Sample : L1482-03DLRE 50X
Misc :
ALS Vial : 13 Sample Multiplier: 1

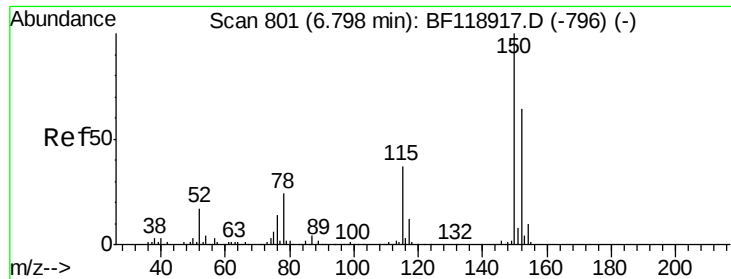
Instrument :
BNA_F
ClientSampleId :
TP6-EP1-1.5DLRE

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Quant Time: Feb 17 07:45:26 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 14 00:49:42 2020
Response via : Initial Calibration





#1

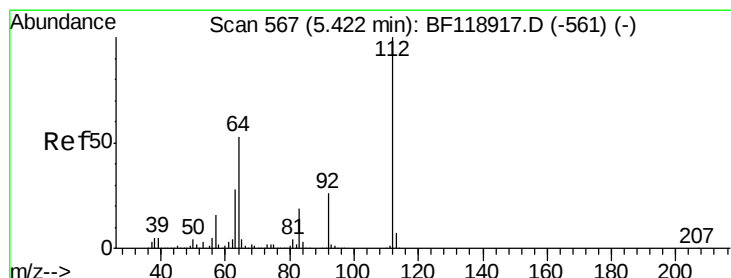
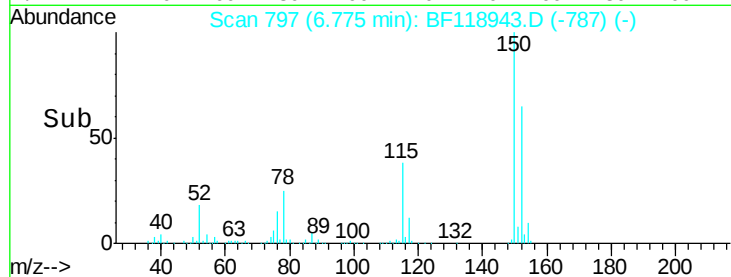
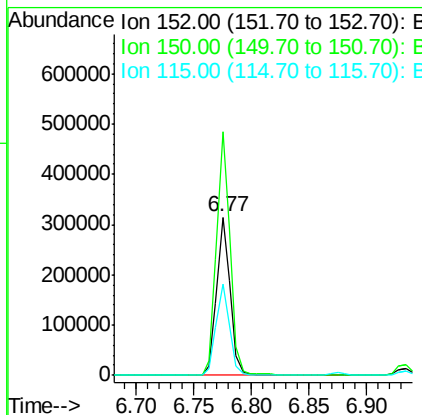
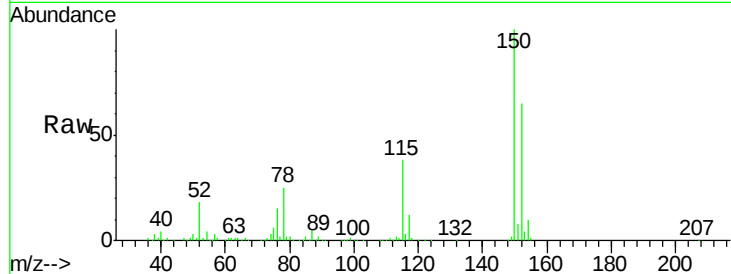
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.04 min
Lab File: BF118943.D
Acq: 14 Feb 2020 20:39

Instrument :
BNA_F
ClientSampleId :
TP6-EP1-1.5DLRE

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.2	123.6	185.4
115	58.0	48.2	72.2

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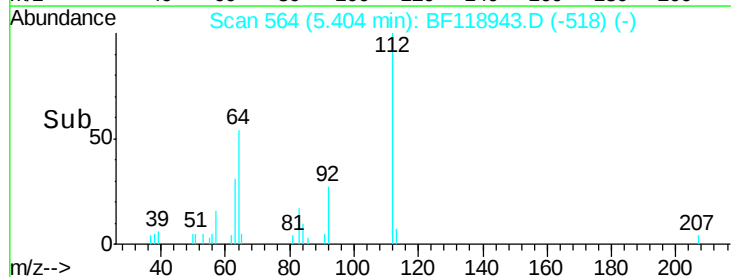
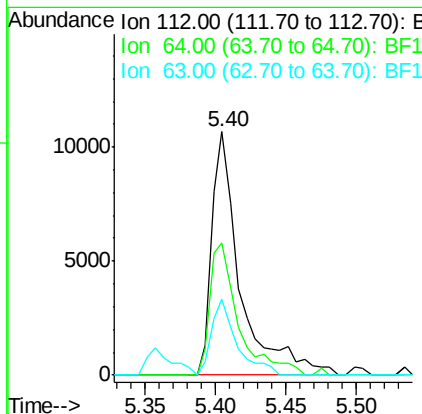
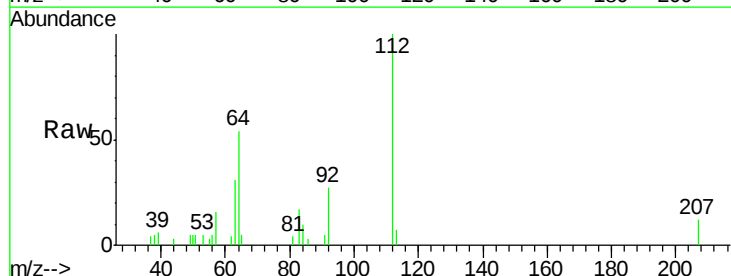
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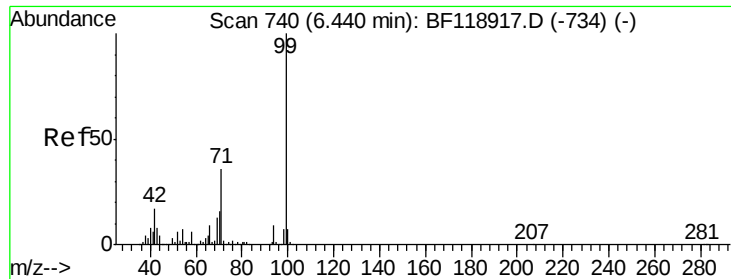


#5

2-Fluorophenol
Concen: 1.11 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.03 min
Lab File: BF118943.D
Acq: 14 Feb 2020 20:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.1	42.6	63.8
63	31.0	22.2	33.4





#7

Phenol-d6

Concen: 1.72 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.04 min

Lab File: BF118943.D

Acq: 14 Feb 2020 20:39

Instrument :

BNA_F

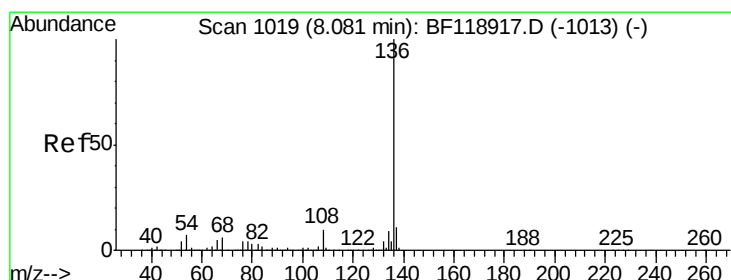
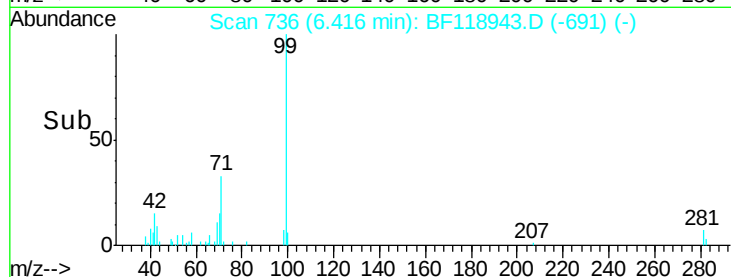
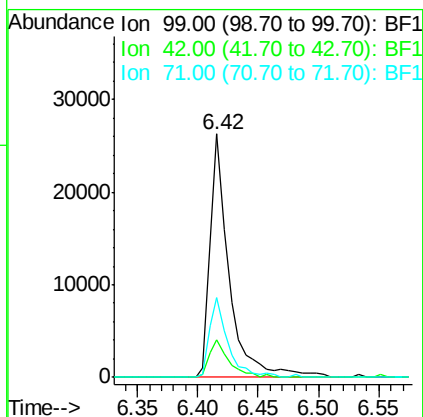
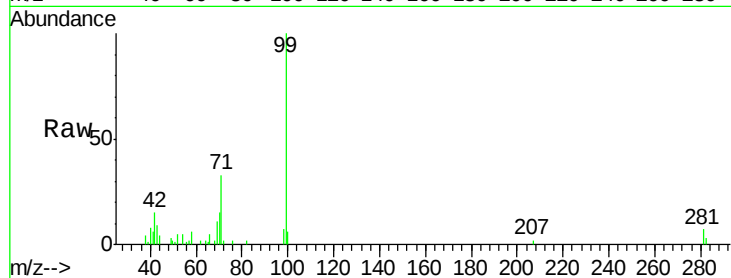
ClientSampleId :

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Tgt Ion:	99	Resp:	28833
Ion Ratio	Lower	Upper	
99	100		
42	15.4	13.4	20.0
71	32.6	29.0	43.6

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#21

Naphthalene-d8

Concen: 20.00 ng

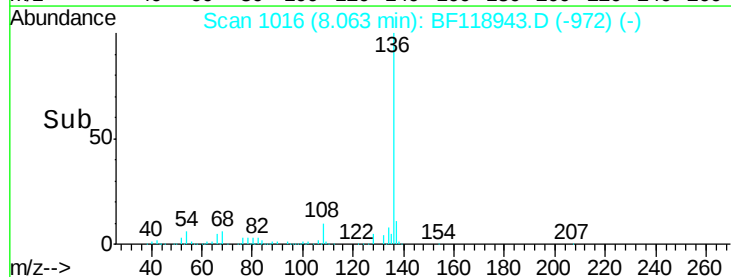
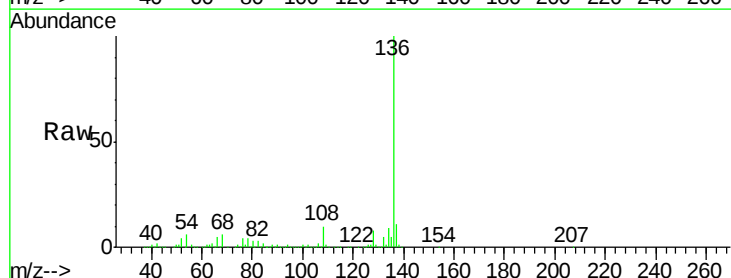
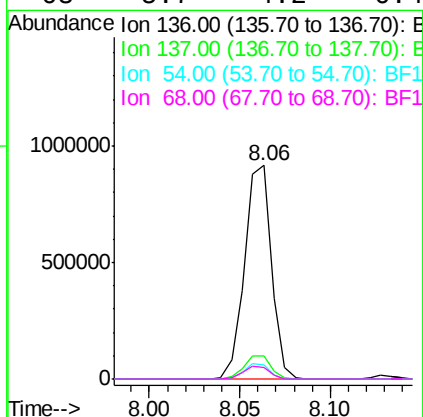
RT: 8.06 min Scan# 1016

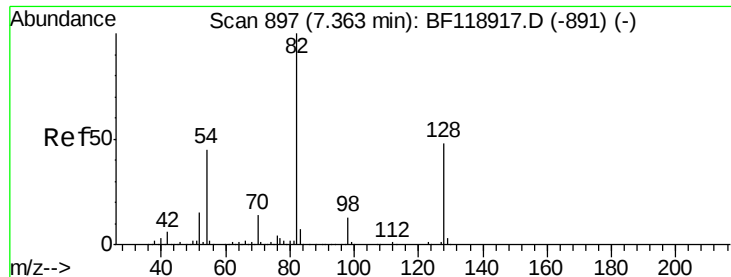
Delta R.T. -0.04 min

Lab File: BF118943.D

Acq: 14 Feb 2020 20:39

Tgt Ion:	136	Resp:	944761
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.7	13.1
54	6.3	5.0	7.6
68	5.7	4.2	6.4





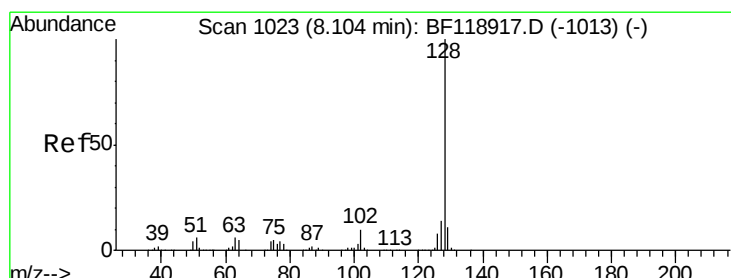
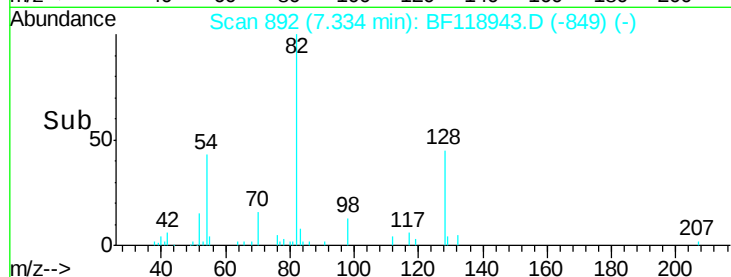
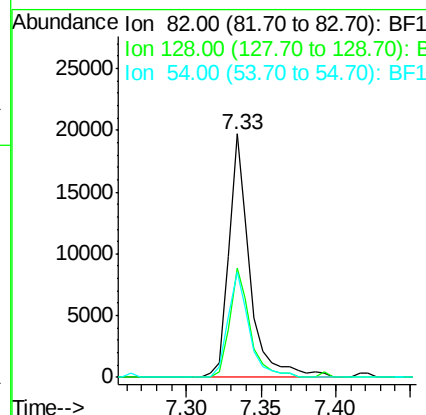
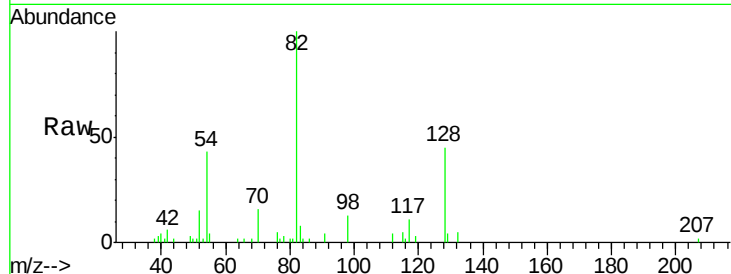
#23
 Nitrobenzene-d5
 Concen: 1.24 ng
 RT: 7.33 min Scan# 892
 Delta R.T. -0.05 min
 Lab File: BF118943.D
 Acq: 14 Feb 2020 20:39

Instrument :
 BNA_F
 ClientSampleId :
 TP6-EP1-1.5DLRE

Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.0	38.5	57.7
54	43.0	36.7	55.1

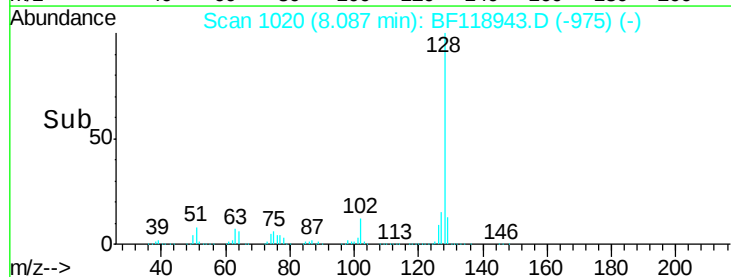
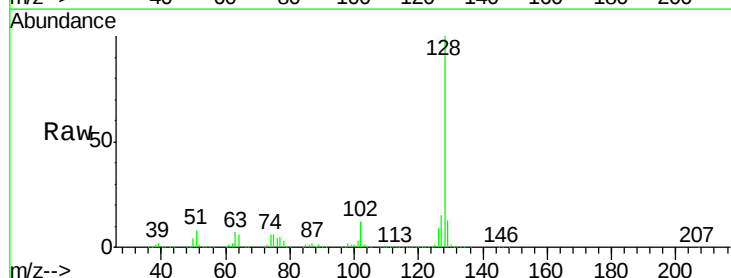
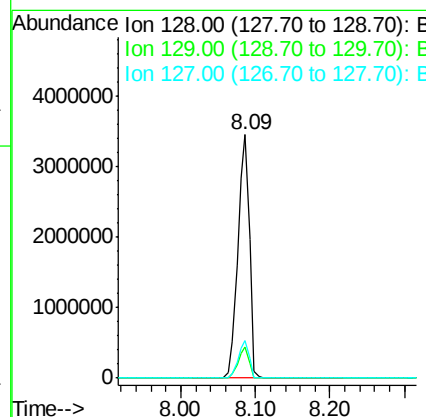
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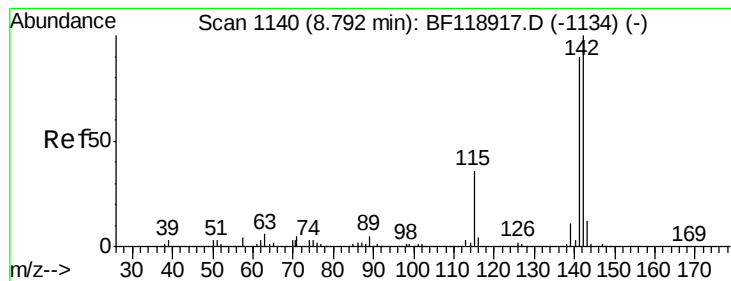
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#31
 Naphthalene
 Concen: 87.04 ng
 RT: 8.09 min Scan# 1020
 Delta R.T. -0.04 min
 Lab File: BF118943.D
 Acq: 14 Feb 2020 20:39

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.8	9.4	14.2
127	15.4	11.3	16.9





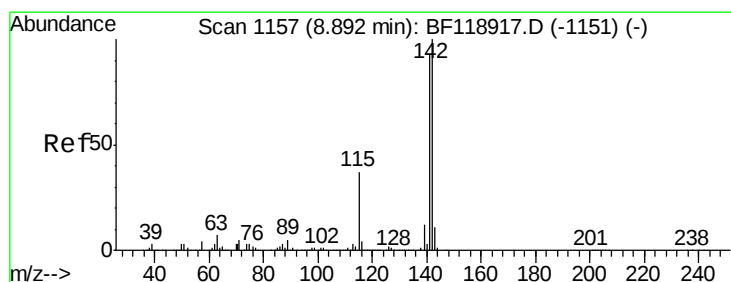
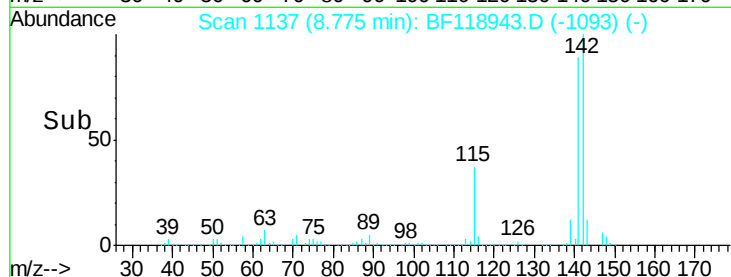
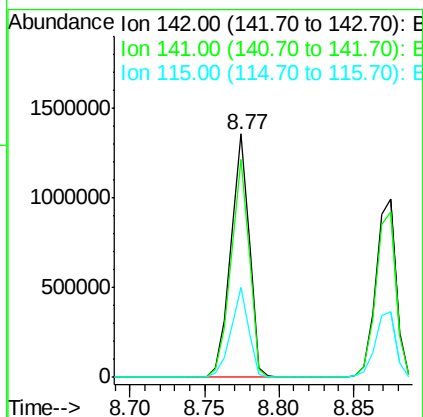
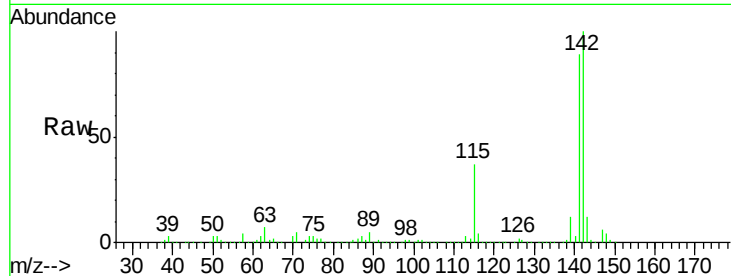
#37
2-Methylnaphthalene
Concen: 40.46 ng
RT: 8.77 min Scan# 1137
Delta R.T. -0.04 min
Lab File: BF118943.D
Acq: 14 Feb 2020 20:39

Instrument :
BNA_F
ClientSampleId :
TP6-EP1-1.5DLRE

Tgt Ion:142 Resp: 1212575
Ion Ratio Lower Upper
142 100
141 89.3 70.1 105.1
115 37.0 27.3 40.9

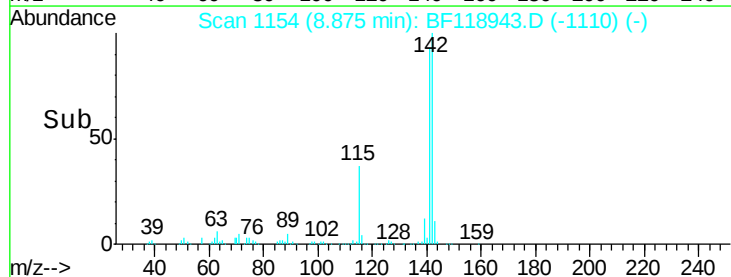
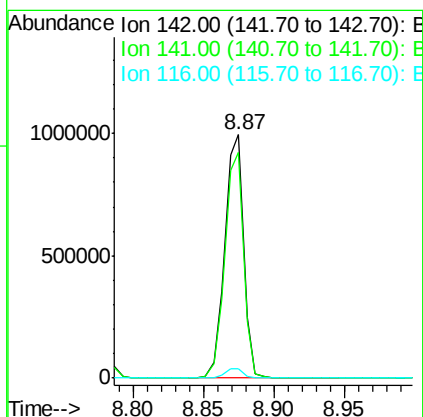
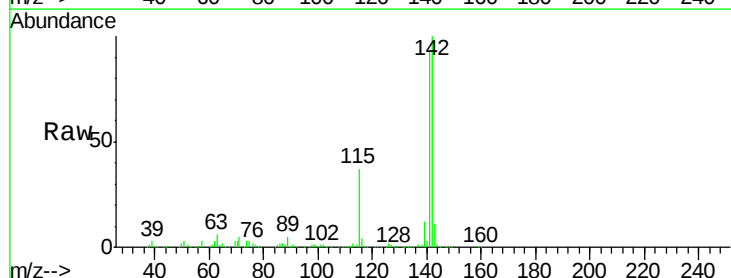
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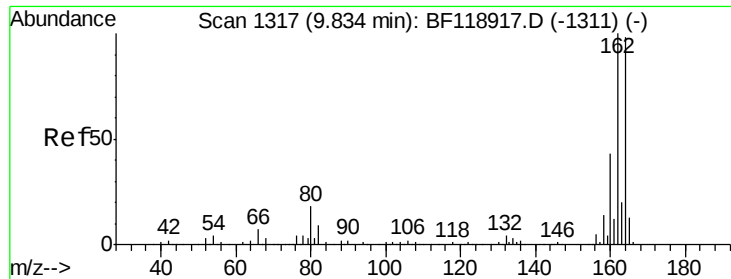
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#38
1-Methylnaphthalene
Concen: 32.65 ng
RT: 8.87 min Scan# 1154
Delta R.T. -0.04 min
Lab File: BF118943.D
Acq: 14 Feb 2020 20:39

Tgt Ion:142 Resp: 920542
Ion Ratio Lower Upper
142 100
141 92.7 73.8 110.6
116 3.8 3.0 4.4





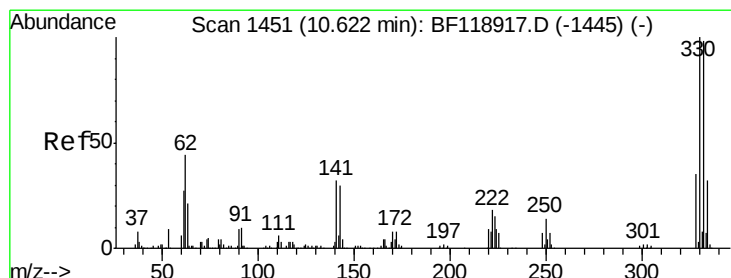
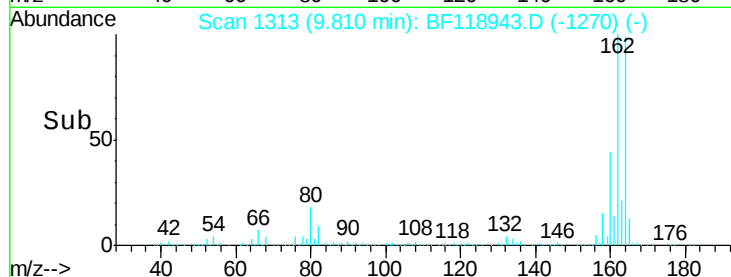
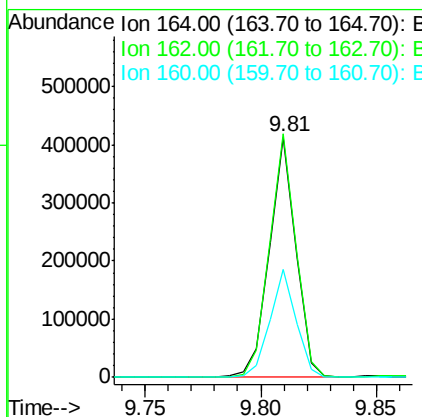
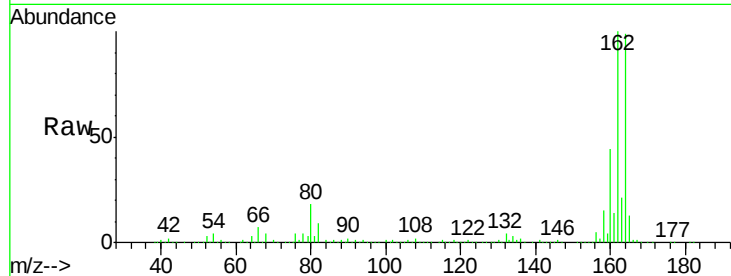
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.81 min Scan# 1313
Delta R.T. -0.05 min
Lab File: BF118943.D
Acq: 14 Feb 2020 20:39

Instrument :
BNA_F
ClientSampleId :
TP6-EP1-1.5DLRE

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.4	81.4	122.2
160	44.9	35.6	53.4

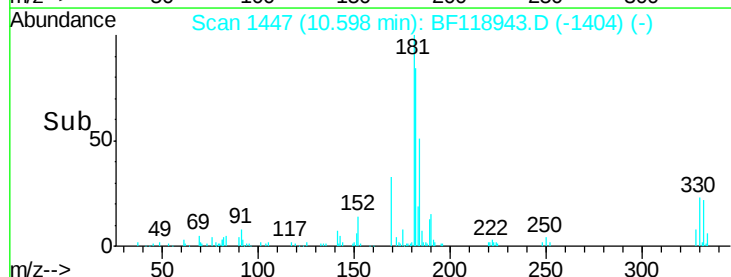
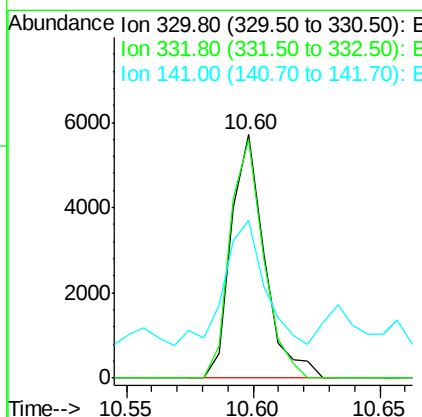
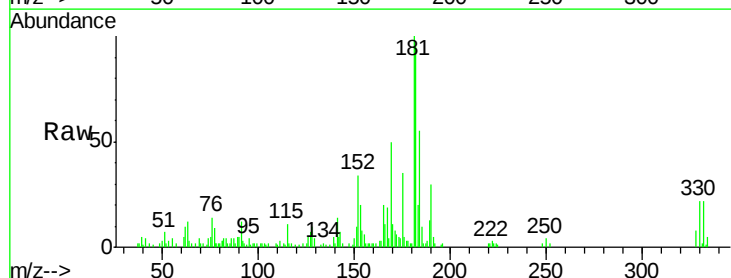
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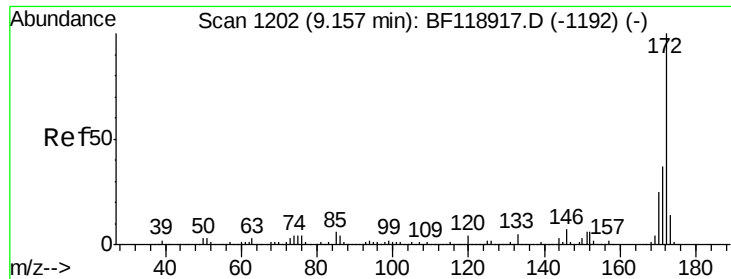
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#42
2,4,6-Tribromophenol
Concen: 1.32 ng
RT: 10.60 min Scan# 1447
Delta R.T. -0.05 min
Lab File: BF118943.D
Acq: 14 Feb 2020 20:39

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.4	77.3	115.9
141	62.6	22.4	33.6#





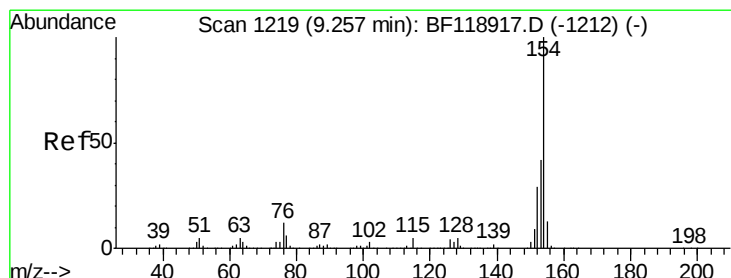
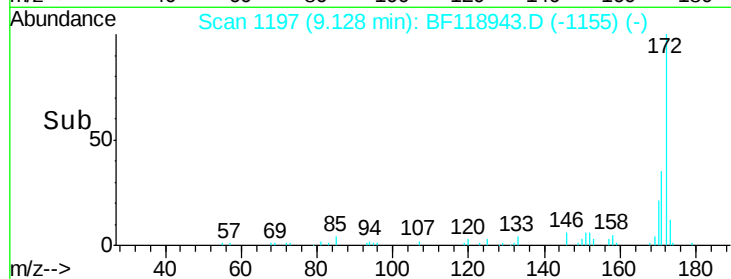
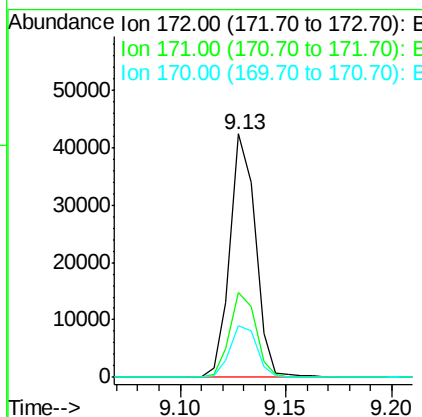
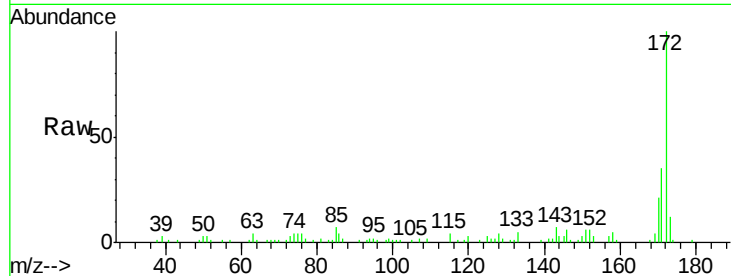
#45
2-Fluorobiphenyl
Concen: 1.91 ng
RT: 9.13 min Scan# 1197
Delta R.T. -0.05 min
Lab File: BF118943.D
Acq: 14 Feb 2020 20:39

Instrument :
BNA_F
ClientSampleId :
TP6-EP1-1.5DLRE

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	30.8	46.2
170	21.4	20.5	30.7

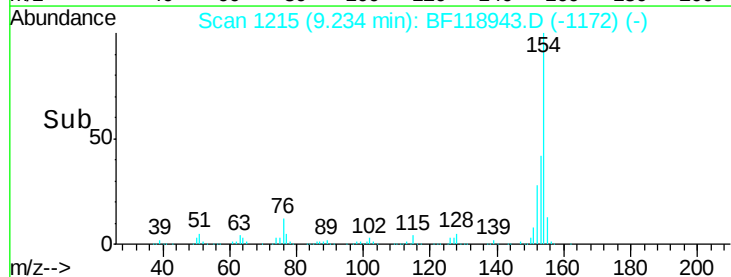
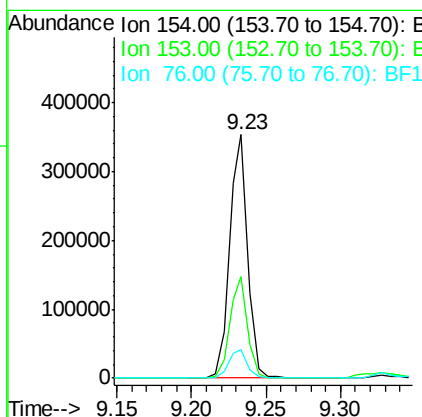
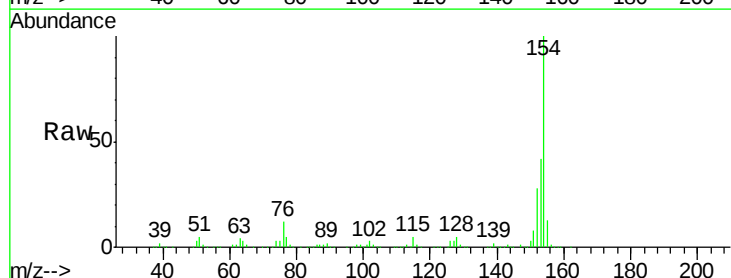
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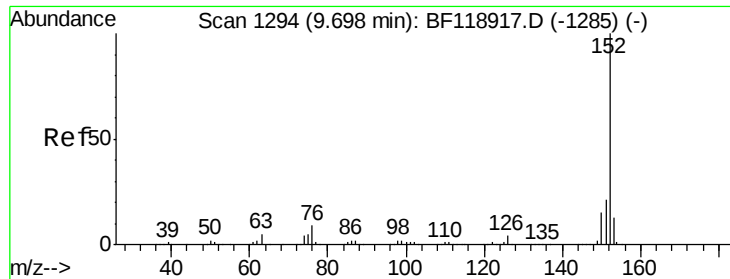
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#46
1,1'-Biphenyl
Concen: 13.21 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.05 min
Lab File: BF118943.D
Acq: 14 Feb 2020 20:39

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.6	22.4	62.4
76	11.7	0.0	32.7





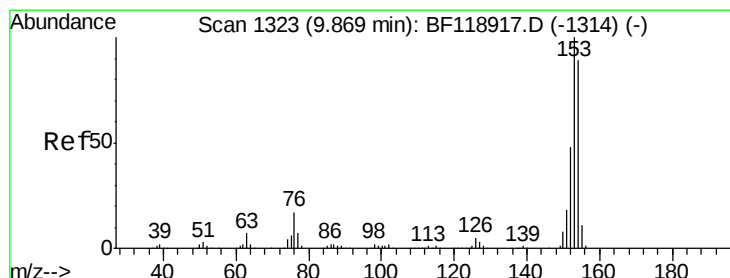
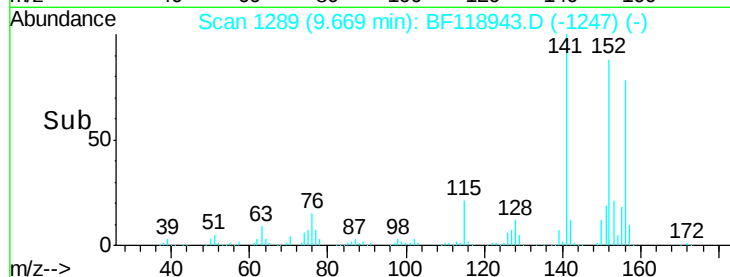
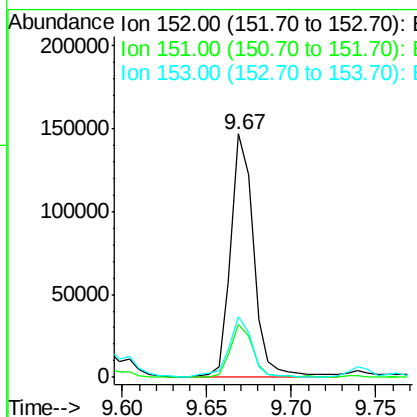
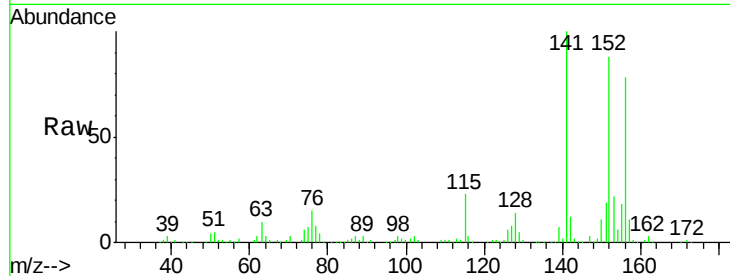
#49
 Acenaphthylene
 Concen: 5.05 ng
 RT: 9.67 min Scan# 1289
 Delta R.T. -0.05 min
 Lab File: BF118943.D
 Acq: 14 Feb 2020 20:39

Instrument :
 BNA_F
 ClientSampleId :
 TP6-EP1-1.5DLRE

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	138698		
151	21.9	17.1	25.7	
153	24.9	11.0	16.4	

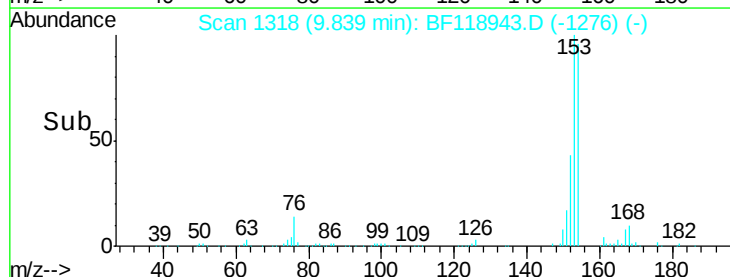
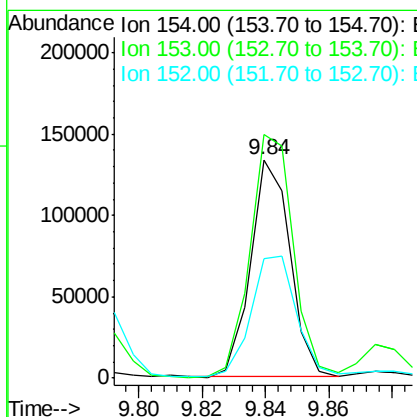
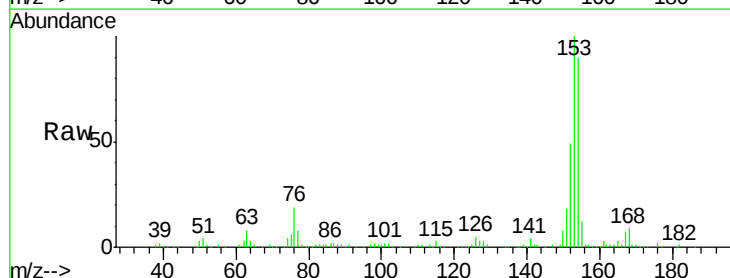
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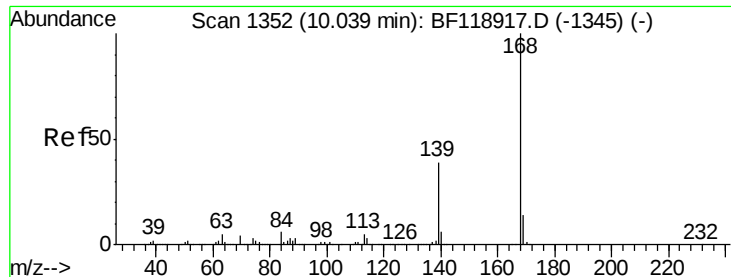
mohammad
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#52
 Acenaphthene
 Concen: 6.29 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.05 min
 Lab File: BF118943.D
 Acq: 14 Feb 2020 20:39

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	113911		
153	111.6	89.4	134.0	
152	54.8	43.6	65.4	





#55

Dibenzenofuran

Concen: 2.35 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.05 min

Lab File: BF118943.D

Acq: 14 Feb 2020 20:39

Instrument :

BNA_F

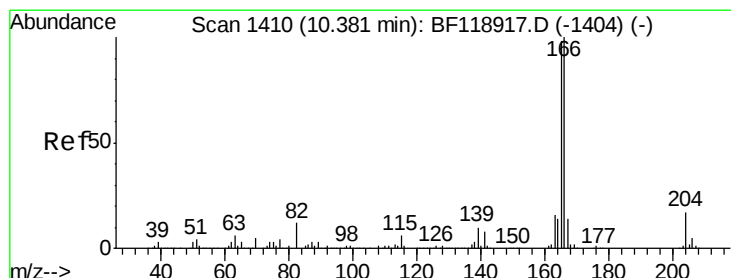
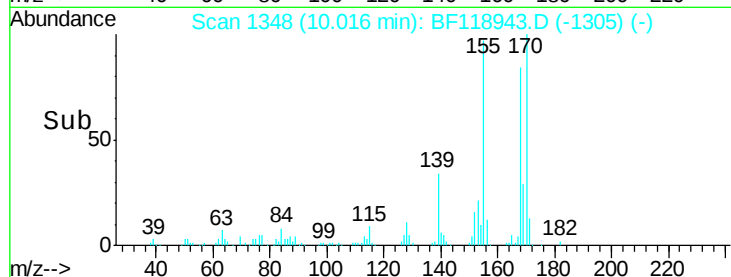
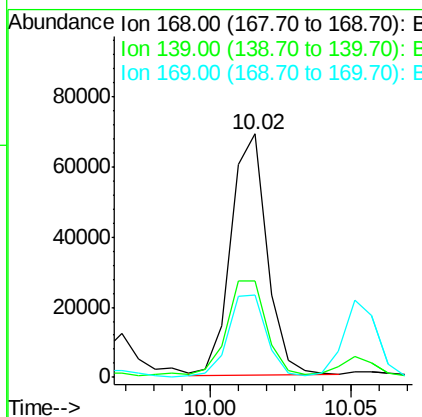
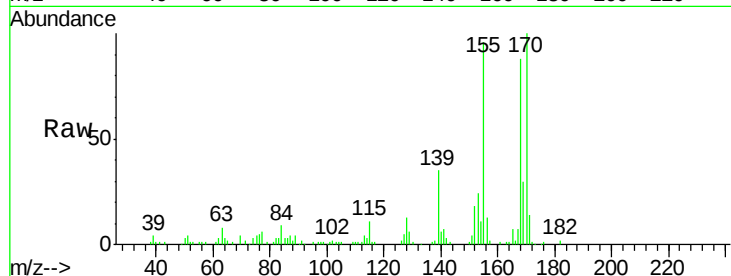
ClientSampleId :

TP6-EP1-1.5DLRE

Tgt Ion:	168	Resp:	61498
Ion Ratio	Lower	Upper	
168	100		
139	39.4	31.6	47.4
169	33.7	11.4	17.2#

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#58

Fluorene

Concen: 29.91 ng

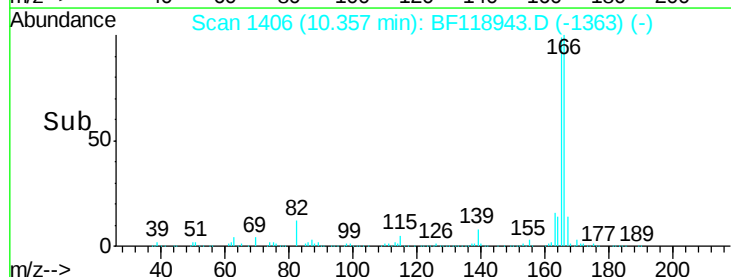
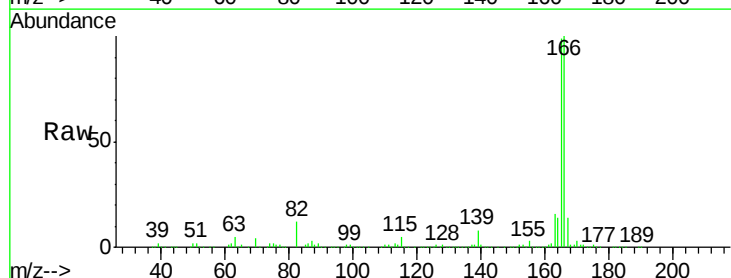
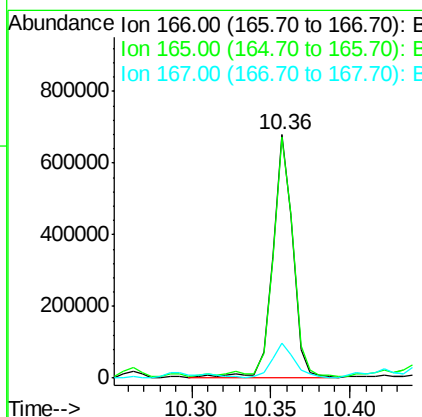
RT: 10.36 min Scan# 1406

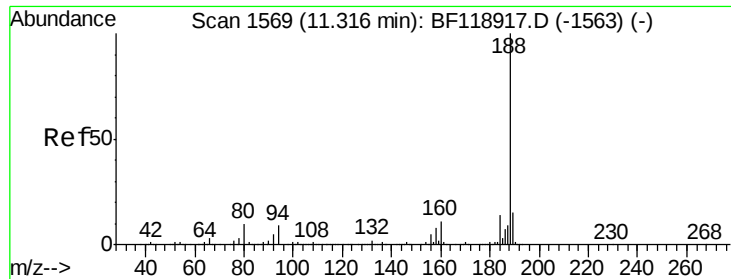
Delta R.T. -0.05 min

Lab File: BF118943.D

Acq: 14 Feb 2020 20:39

Tgt Ion:	166	Resp:	589180
Ion Ratio	Lower	Upper	
166	100		
165	98.8	77.0	115.6
167	14.4	11.1	16.7





#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.29 min Scan# 1565

Delta R.T. -0.05 min

Lab File: BF118943.D

Acq: 14 Feb 2020 20:39

Instrument :

BNA_F

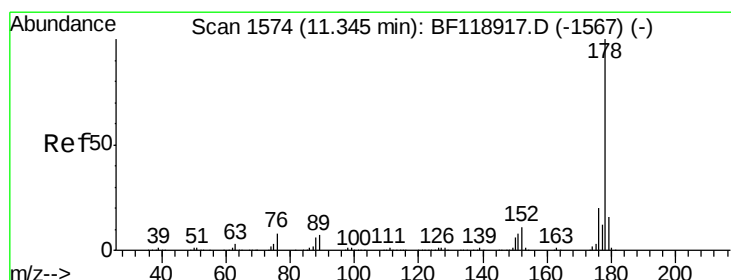
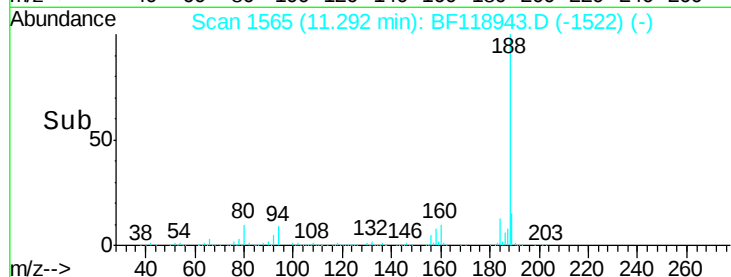
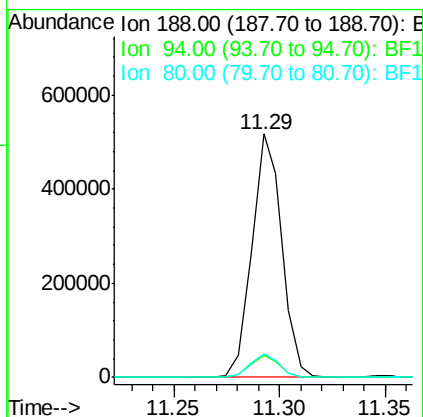
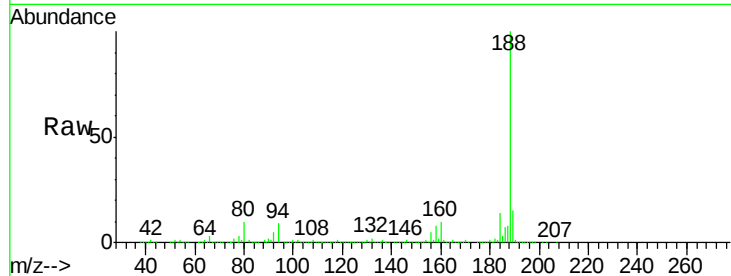
ClientSampleId :

TP6-EP1-1.5DLRE

Tgt Ion:	188	Resp:	506046
Ion Ratio	Lower	Upper	
188	100		
94	8.9	7.9	11.9
80	9.8	8.4	12.6

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#71

Phenanthrene

Concen: 83.64 ng

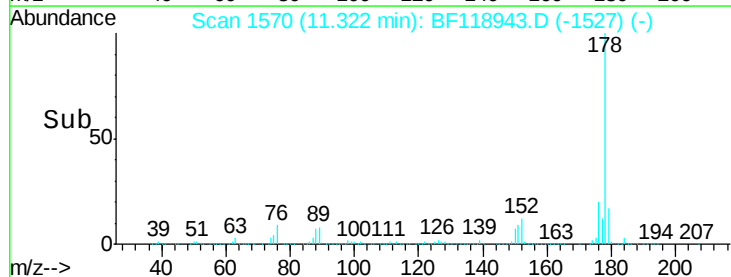
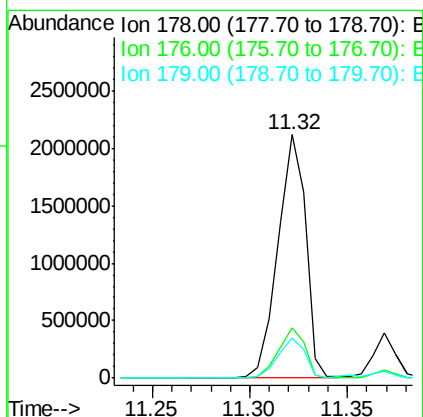
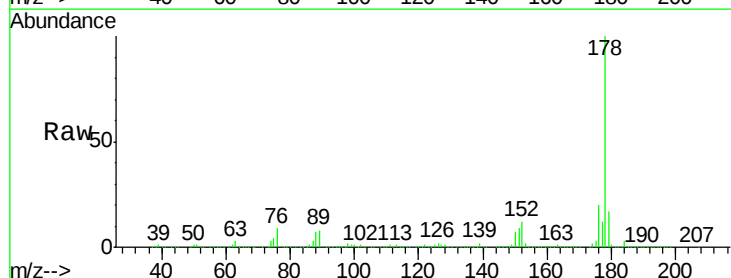
RT: 11.32 min Scan# 1570

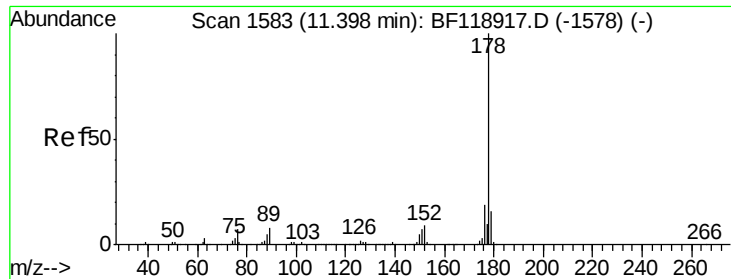
Delta R.T. -0.05 min

Lab File: BF118943.D

Acq: 14 Feb 2020 20:39

Tgt Ion:	178	Resp:	2082527
Ion Ratio	Lower	Upper	
178	100		
176	20.5	16.6	24.8
179	16.6	13.2	19.8





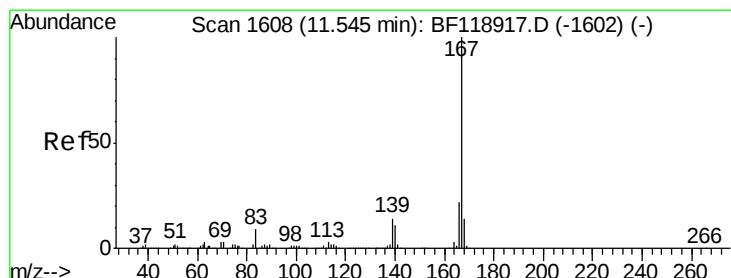
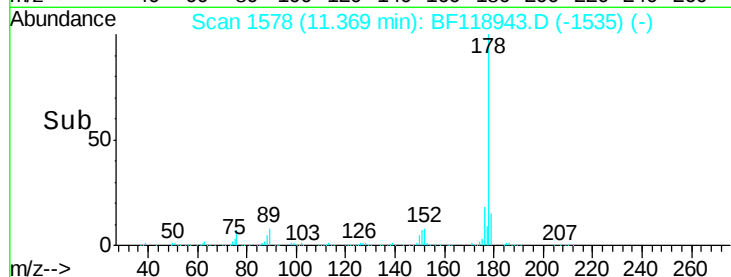
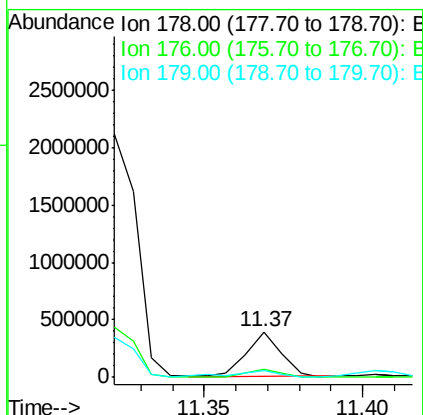
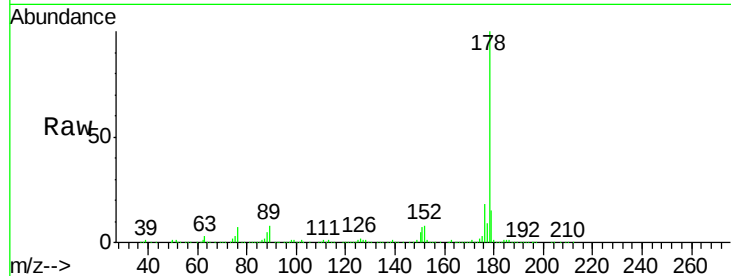
#72
 Anthracene
 Concen: 11.85 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. -0.05 min
 Lab File: BF118943.D
 Acq: 14 Feb 2020 20:39

Instrument :
 BNA_F
 ClientSampleId :
 TP6-EP1-1.5DLRE

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.7	16.2	24.2
179	15.5	13.4	20.2

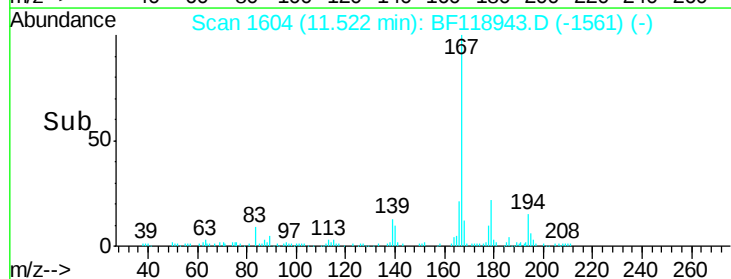
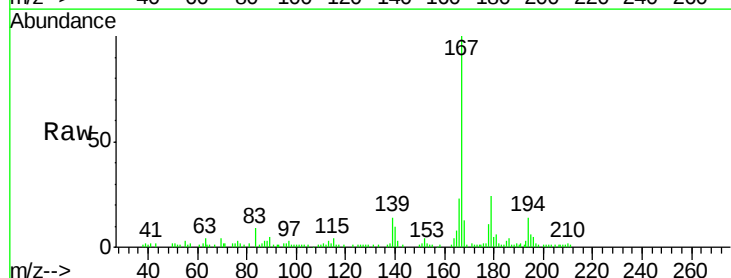
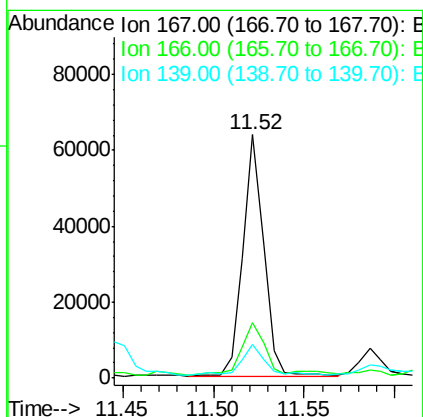
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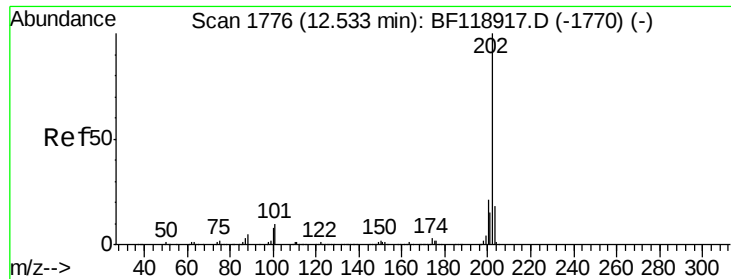
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#73
 Carbazole
 Concen: 2.36 ng
 RT: 11.52 min Scan# 1604
 Delta R.T. -0.05 min
 Lab File: BF118943.D
 Acq: 14 Feb 2020 20:39

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.8	18.4	27.6
139	14.1	11.1	16.7





#75

Fluoranthene

Concen: 27.78 ng

RT: 12.50 min Scan# 1771

Delta R.T. -0.05 min

Lab File: BF118943.D

Acq: 14 Feb 2020 20:39

Instrument :

BNA_F

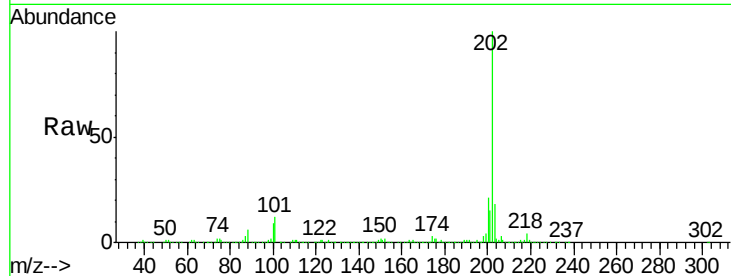
ClientSampleId :

TP6-EP1-1.5DLRE

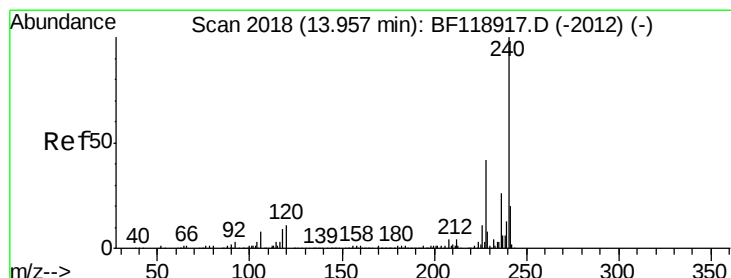
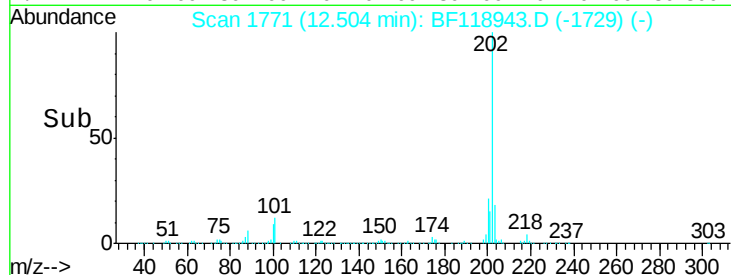
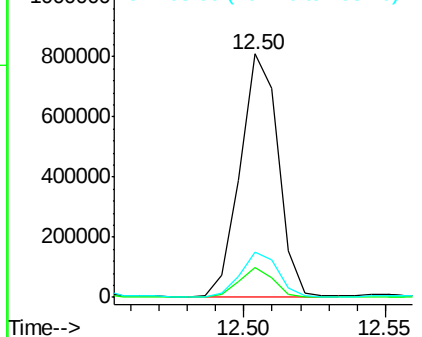
Tgt	Ion	202	Resp:	755071
Ion	Ratio	Lower	Upper	
202	100			
101	12.1	0.0	31.0	
203	18.5	0.0	38.7	

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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: 20.00 ng

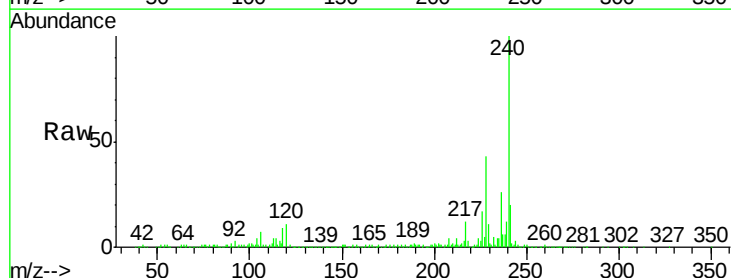
RT: 13.93 min Scan# 2013

Delta R.T. -0.05 min

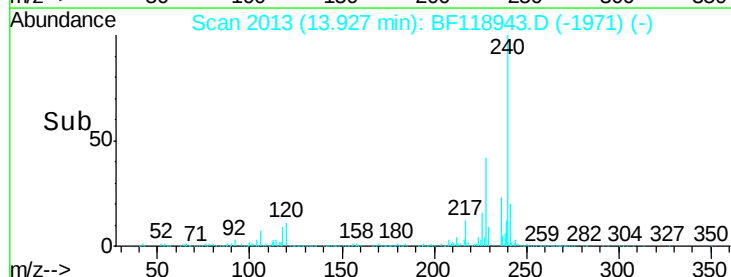
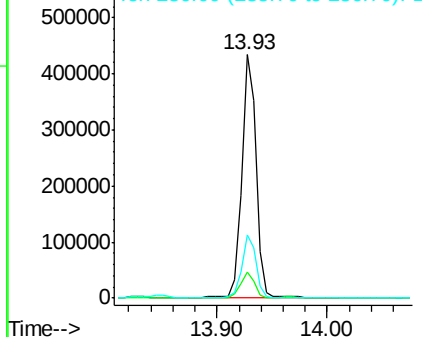
Lab File: BF118943.D

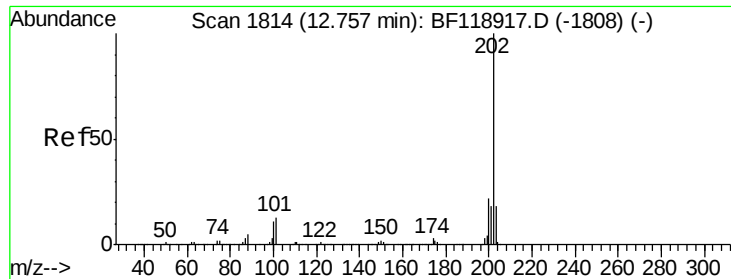
Acq: 14 Feb 2020 20:39

Tgt	Ion	240	Resp:	392146
Ion	Ratio	Lower	Upper	
240	100			
120	10.9	9.4	14.0	
236	26.0	21.0	31.6	



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





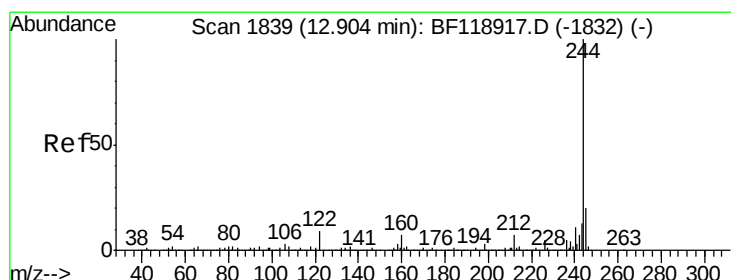
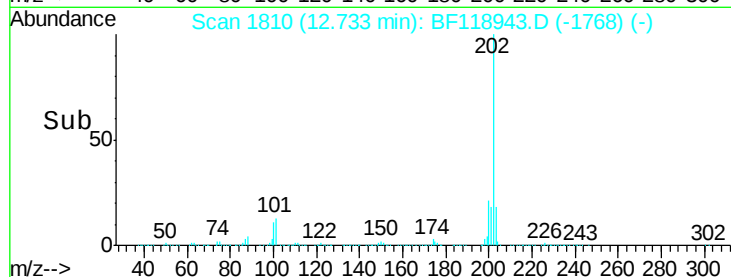
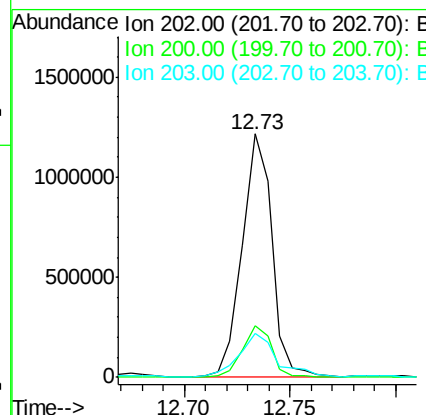
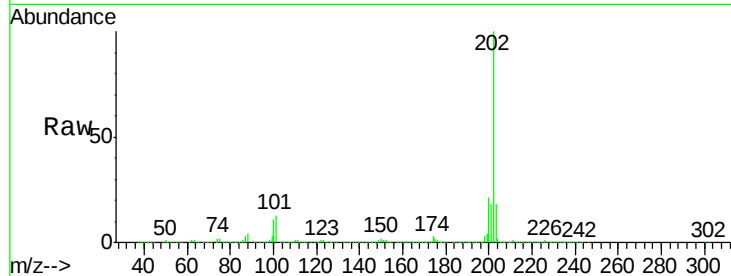
#78
 Pyrene
 Concen: 43.94 ng
 RT: 12.73 min Scan# 1810
 Delta R.T. -0.05 min
 Lab File: BF118943.D
 Acq: 14 Feb 2020 20:39

Instrument :
 BNA_F
 ClientSampleId :
 TP6-EP1-1.5DLRE

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	18.2	27.2
203	18.0	14.8	22.2

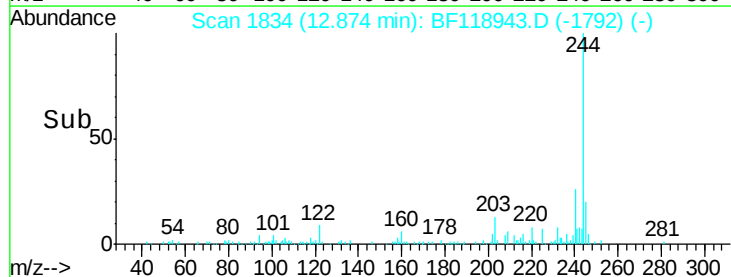
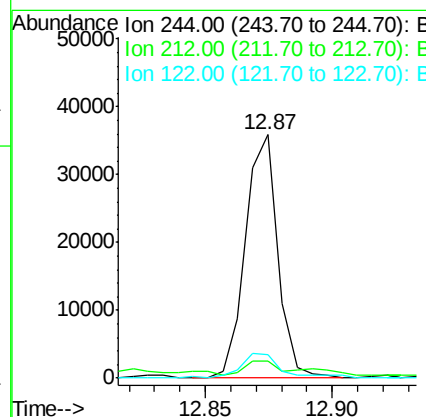
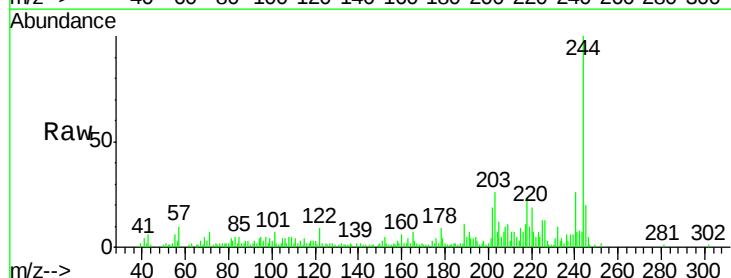
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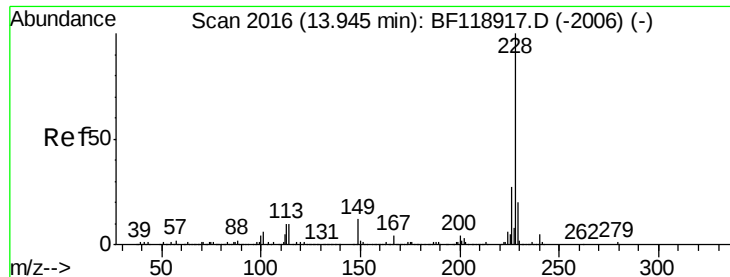
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#79
 Terphenyl-d14
 Concen: 1.67 ng
 RT: 12.87 min Scan# 1834
 Delta R.T. -0.05 min
 Lab File: BF118943.D
 Acq: 14 Feb 2020 20:39

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.5	9.7
122	9.5	8.9	13.3





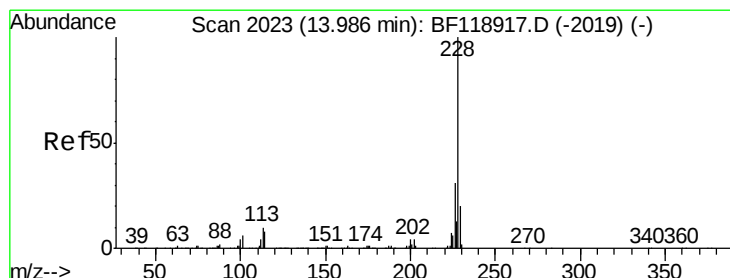
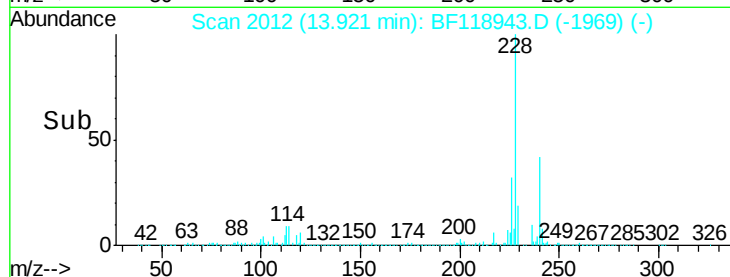
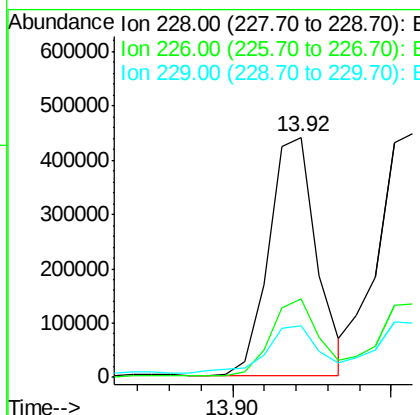
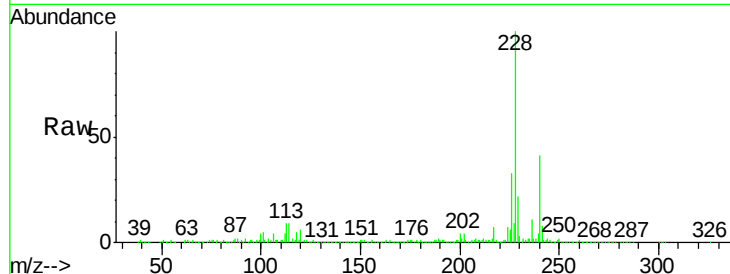
#81
Benzo(a)anthracene
Concen: 19.75 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.05 min
Lab File: BF118943.D
Acq: 14 Feb 2020 20:39

Instrument :
BNA_F
ClientSampleId :
TP6-EP1-1.5DLRE

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.6	22.7	34.1
229	21.7	16.6	25.0

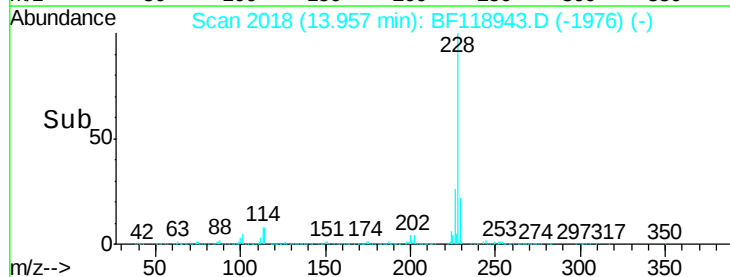
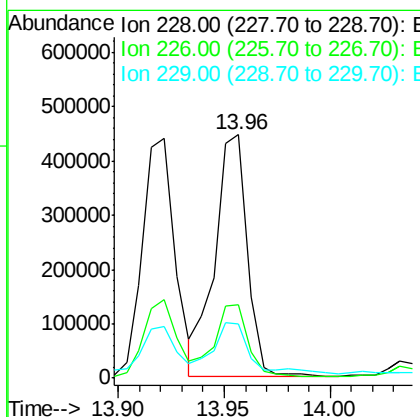
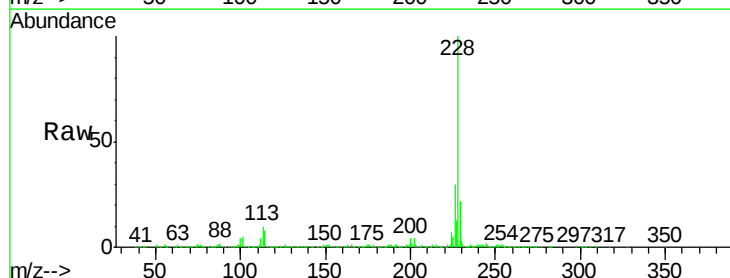
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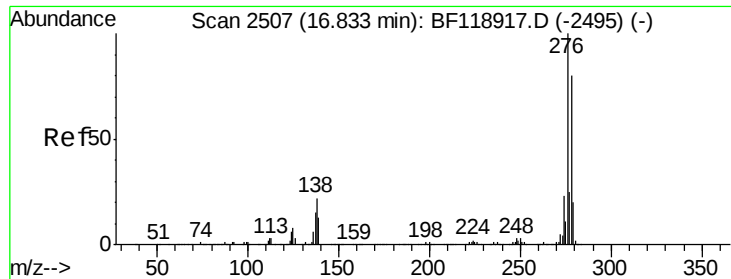
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#83
Chrysene
Concen: 20.15 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.05 min
Lab File: BF118943.D
Acq: 14 Feb 2020 20:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.4	38.0
229	22.1	16.9	25.3





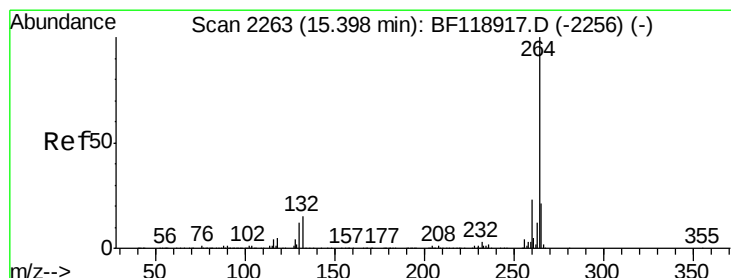
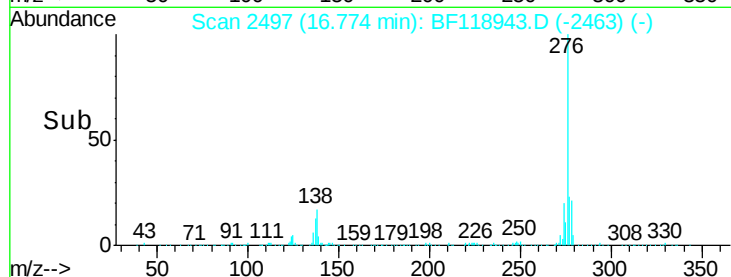
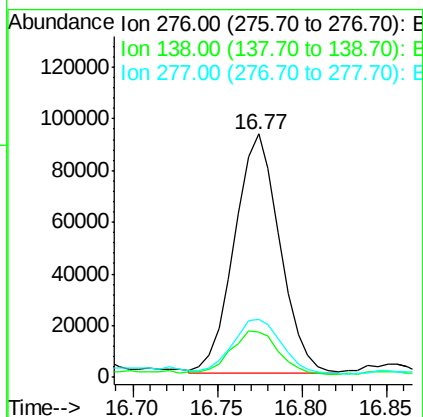
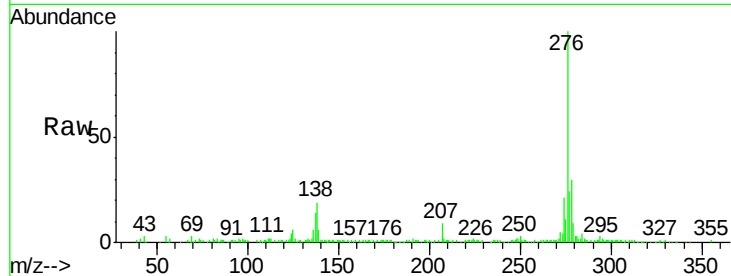
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 7.32 ng
 RT: 16.77 min Scan# 2497
 Delta R.T. -0.10 min
 Lab File: BF118943.D
 Acq: 14 Feb 2020 20:39

Instrument :
 BNA_F
 ClientSampleId :
 TP6-EP1-1.5DLRE

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.6	18.3	27.5
277	25.5	20.2	30.4

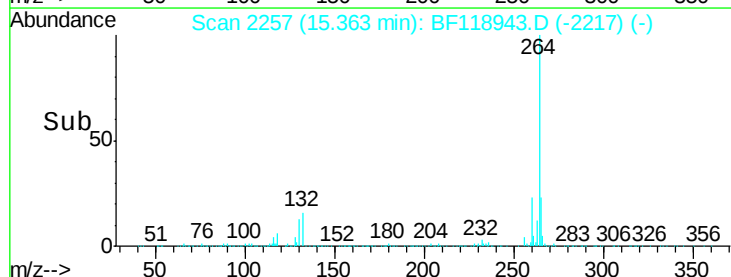
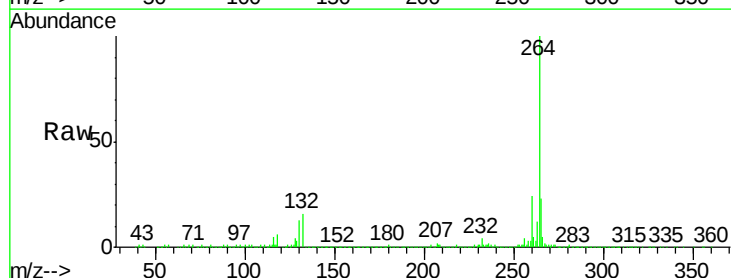
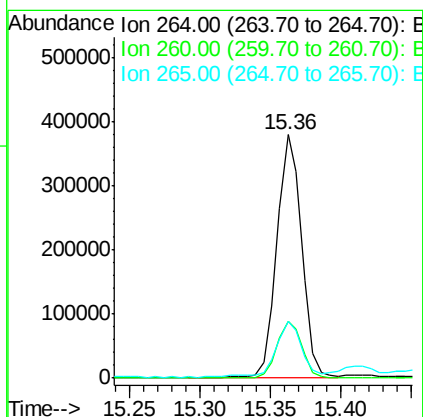
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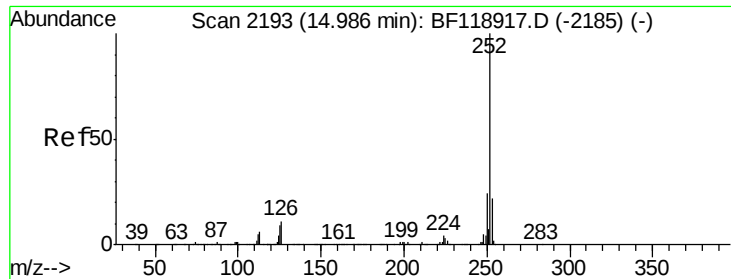
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#87
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.36 min Scan# 2257
 Delta R.T. -0.06 min
 Lab File: BF118943.D
 Acq: 14 Feb 2020 20:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.1	28.7
265	23.3	17.2	25.8





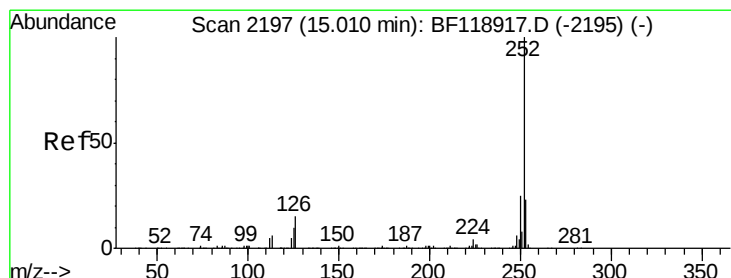
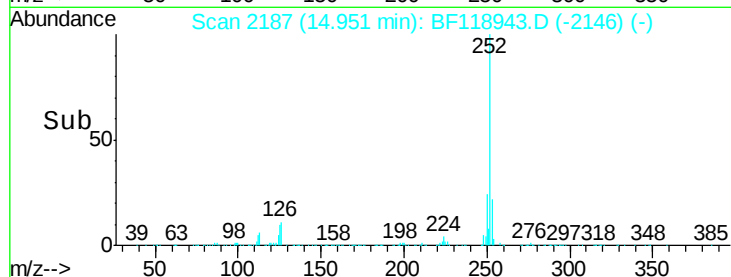
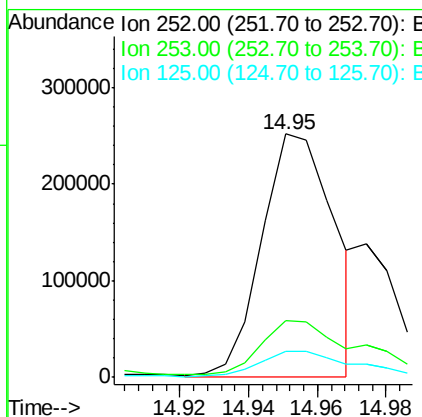
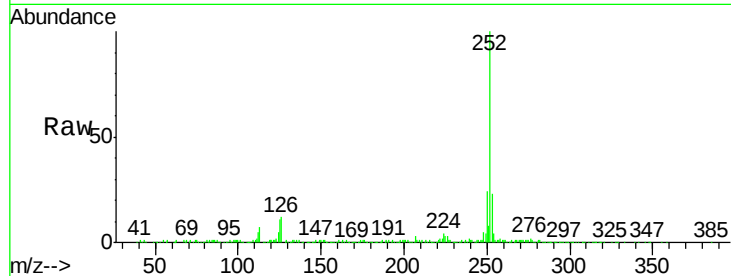
#88
Benzo(b)fluoranthene
Concen: 12.87 ng m
RT: 14.95 min Scan# 2187
Delta R.T. -0.06 min
Lab File: BF118943.D
Acq: 14 Feb 2020 20:39

Instrument :
BNA_F
ClientSampleId :
TP6-EP1-1.5DLRE

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.4	27.6
125	10.6	8.1	12.1

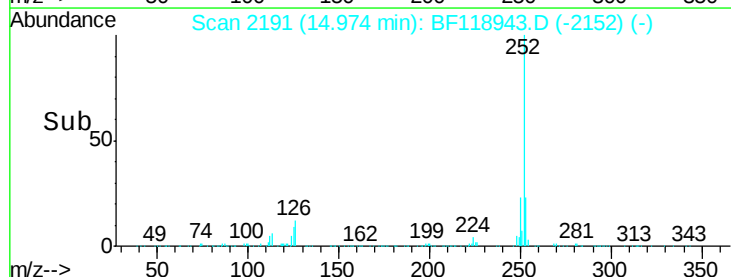
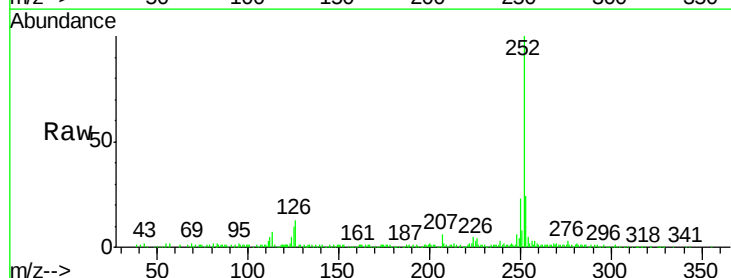
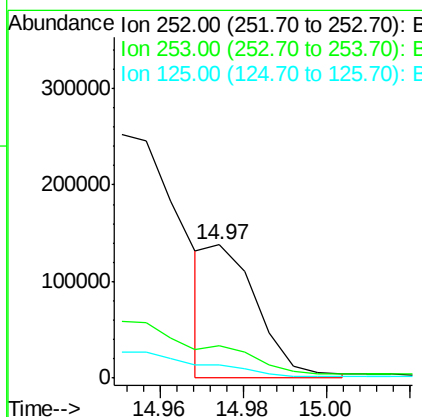
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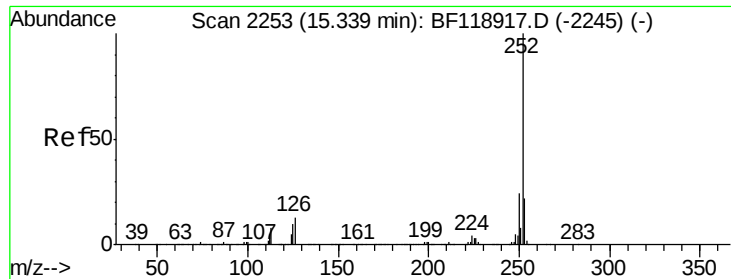
mohammad
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#89
Benzo(k)fluoranthene
Concen: 4.48 ng m
RT: 14.97 min Scan# 2191
Delta R.T. -0.07 min
Lab File: BF118943.D
Acq: 14 Feb 2020 20:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.2	27.4
125	9.9	7.0	10.6





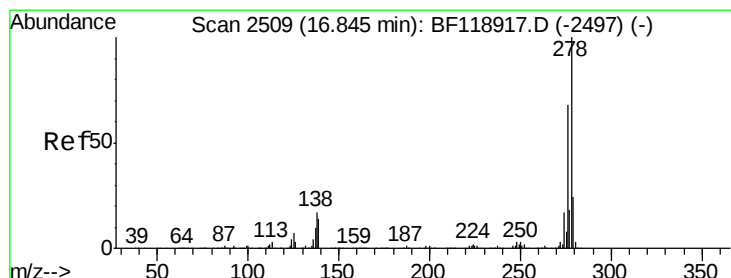
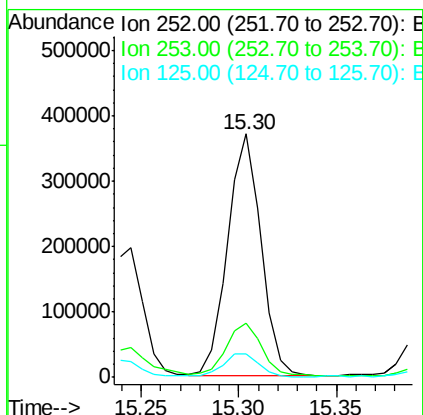
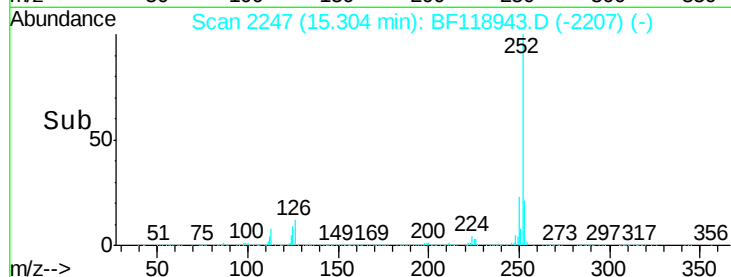
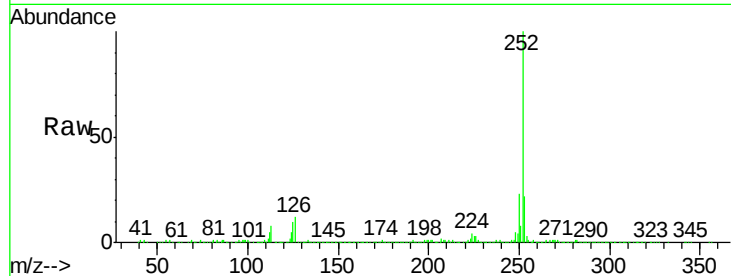
#90
Benzo(a)pyrene
Concen: 17.73 ng
RT: 15.30 min Scan# 2247
Delta R.T. -0.06 min
Lab File: BF118943.D
Acq: 14 Feb 2020 20:39

Instrument :
BNA_F
ClientSampleId :
TP6-EP1-1.5DLRE

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	9.6	8.7	13.1

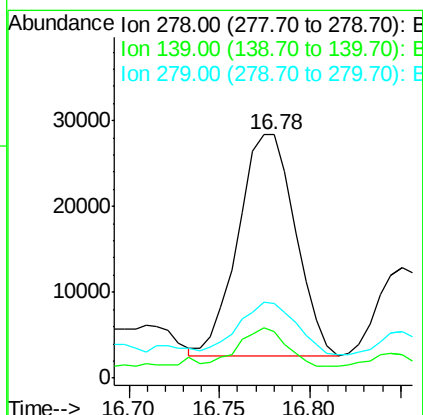
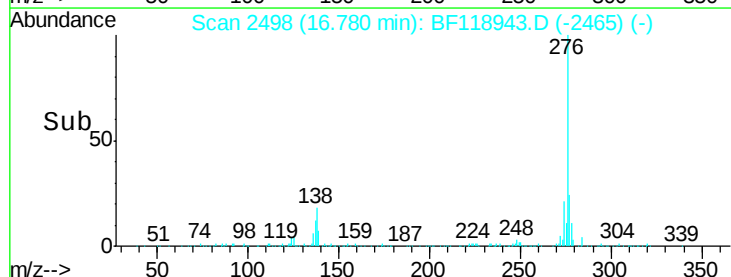
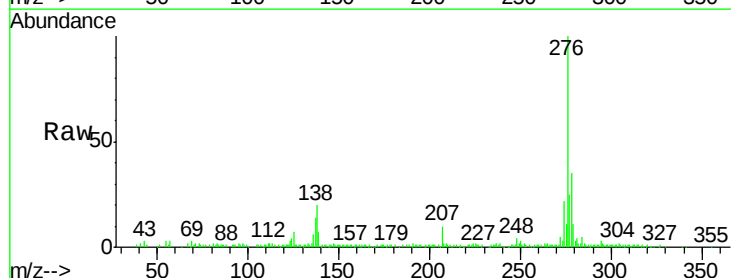
Manual Integrations
APPROVED

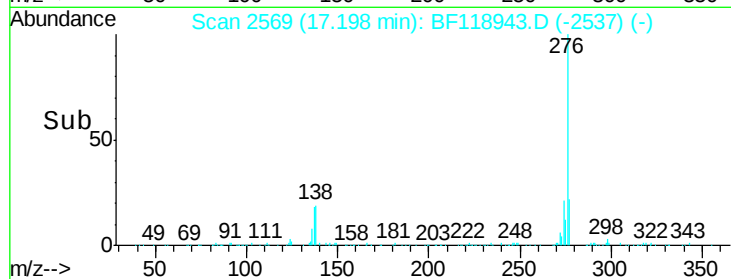
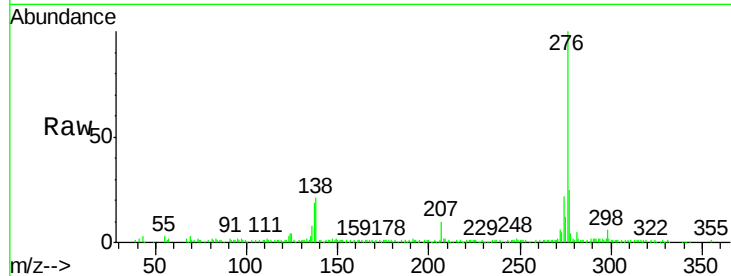
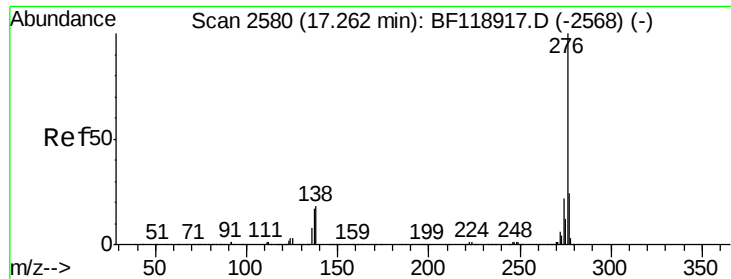
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#91
Dibenzo(a,h)anthracene
Concen: 2.60 ng
RT: 16.78 min Scan# 2498
Delta R.T. -0.11 min
Lab File: BF118943.D
Acq: 14 Feb 2020 20:39

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.9	12.3	18.5#
279	30.5	19.1	28.7#





#92

Benzo(g,h,i)perylene

Concen: 8.74 ng

RT: 17.20 min Scan# 2569

Delta R.T. -0.11 min

Lab File: BF118943.D

Acq: 14 Feb 2020 20:39

Instrument :

BNA_F

ClientSampleId :

TP6-EP1-1.5DLRE

Tgt Ion:	276	Resp:	183953
Ion Ratio	Lower	Upper	
276	100		
277	24.6	18.7	28.1
138	20.6	15.4	23.2

Manual Integrations
APPROVED

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