

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
 Data File : BF116038.D
 Acq On : 7 Aug 2019 4:32
 Operator : HP/JU
 Sample : K4095-03 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-080219-B

Manual Integrations
 APPROVED

mohammad
 8/7/2019 4:42:20 PM

Quant Time: Aug 07 06:59:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	91685	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	362455	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	174657	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	266073	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	235278	20.00	ng	-0.02
87) Perylene-d12	15.47	264	250686	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	135106	24.67	ng	0.00
7) Phenol-d6	6.47	99	190409	27.56	ng	-0.01
23) Nitrobenzene-d5	7.40	82	112874	17.98	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	34593	20.43	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	217724	23.35	ng	-0.02
79) Terphenyl-d14	12.94	244	195186	17.48	ng	-0.03

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.62	93	114	0.012	ng	# 1
9) Benzaldehyde	6.61	77	3660	0.768	ng	# 62
10) Phenol	6.49	94	1969	0.242	ng	# 1
11) bis(2-Chloroethyl)ether	6.62	93	114	0.019	ng	# 1
15) Benzyl Alcohol	7.00	79	1999	0.381	ng	# 45
18) Hexachloroethane	7.37	117	112	0.043	ng	# 1
22) Acetophenone	7.24	105	402	0.051	ng	# 52
24) Nitrobenzene	7.40	77	115	0.017	ng	# 40
31) Naphthalene	8.15	128	35211	2.064	ng	# 100
33) 4-Chloroaniline	8.15	127	4294	0.563	ng	# 35
35) Caprolactam	8.55	113	130	0.079	ng	# 1
37) 2-Methylnaphthalene	8.84	142	21543	1.918	ng	# 95
38) 1-Methylnaphthalene	8.84	142	21543	2.027	ng	# 91
46) 1,1'-Biphenyl	9.30	154	5764	0.467	ng	# 92
47) 2-Chloronaphthalene	9.37	162	381	0.037	ng	# 38
48) 2-Nitroaniline	9.46	65	239	0.070	ng	# 1
49) Acenaphthylene	9.74	152	86569	5.782	ng	# 99
50) Dimethylphthalate	9.59	163	20359	1.712	ng	# 99
52) Acenaphthene	9.91	154	18362	1.999	ng	# 97
53) 3-Nitroaniline	10.08	138	879	0.275	ng	# 4
55) Dibenzofuran	10.08	168	52002	3.893	ng	# 96
57) 2,4-Dinitrotoluene	10.03	165	843	0.245	ng	# 23
58) Fluorene	10.42	166	99054	9.638	ng	# 99
60) Diethylphthalate	10.29	149	515	0.046	ng	# 58
62) 4-Nitroaniline	10.42	138	808	0.245	ng	# 17
63) Azobenzene	10.58	77	749	0.066	ng	# 1
66) n-Nitrosodiphenylamine	10.53	169	2187	0.273	ng	# 52
67) 4-Bromophenyl-phenylether	10.67	248	1785	0.627	ng	# 1
71) Phenanthrene	11.39	178	589928	43.370	ng	# 99
72) Anthracene	11.44	178	180066	13.080	ng	# 99
73) Carbazole	11.59	167	55478	4.442	ng	# 99
75) Fluoranthene	12.57	202	756707	53.139	ng	# 99
77) Benzidine	12.89	184	220	0.028	ng	# 65
78) Pyrene	12.80	202	674274	38.018	ng	# 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) Benzo(a)anthracene	13.99	228	397672	26.444	nq	98
82) 3,3'-Dichlorobenzidine	13.93	252	279	0.053	nq #	1
83) Chrysene	14.03	228	330912	22.666	nq	98
84) Bis(2-ethylhexyl)phthalate	13.99	149	3159	0.324	nq #	88
85) Di-n-octyl phthalate	14.62	149	1034	0.067	nq #	69
86) Indeno(1,2,3-cd)pyrene	16.93	276	140469	11.455	nq	95
88) Benzo(b)fluoranthene	15.04	252	453092m	31.259	nq	
89) Benzo(k)fluoranthene	15.07	252	119990m	8.499	nq	
90) Benzo(a)pyrene	15.41	252	295673	22.819	nq	98
91) Dibenzo(a,h)anthracene	16.94	278	38340	3.418	nq #	87
92) Benzo(a,h,i)perylene	17.38	276	124913	11.340	nq	99

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

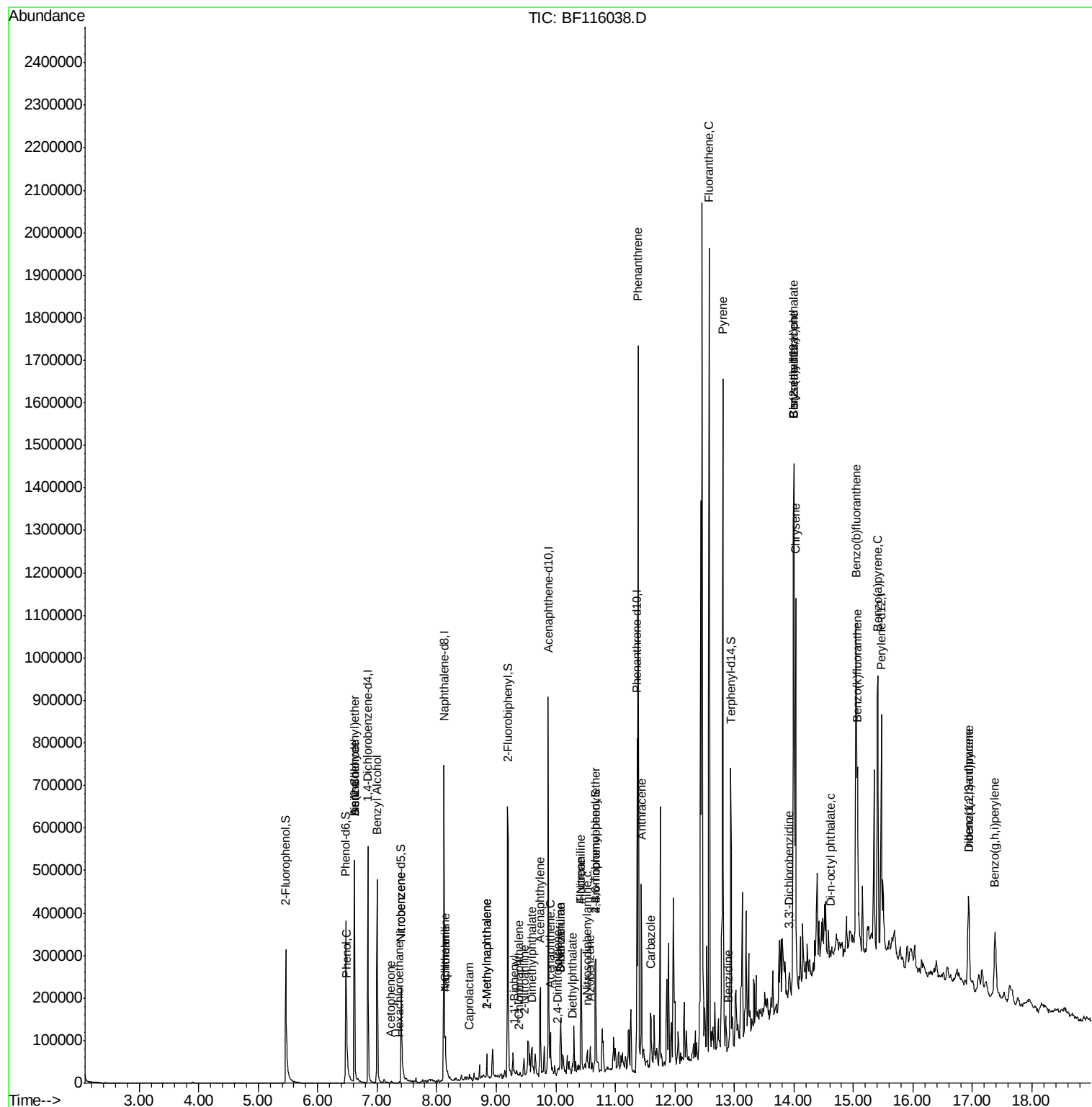
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
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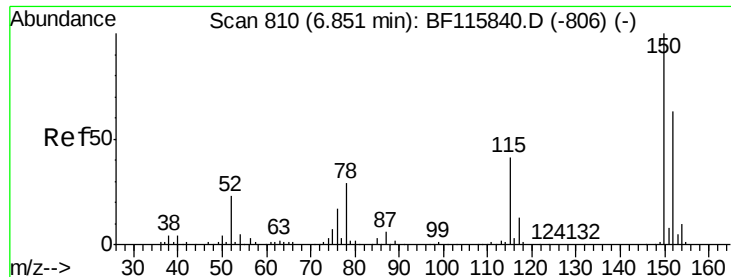
Instrument :
BNA_F
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SU-02-080219-B

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#1

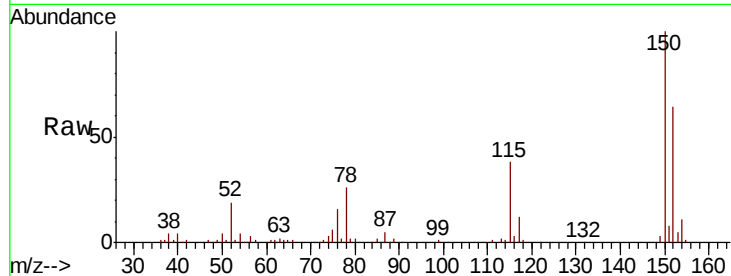
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116038.D
Acq: 7 Aug 2019 4:32

Instrument :
BNA_F
ClientSampleId :
SU-02-080219-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	127.4	191.0
115	59.4	51.8	77.8

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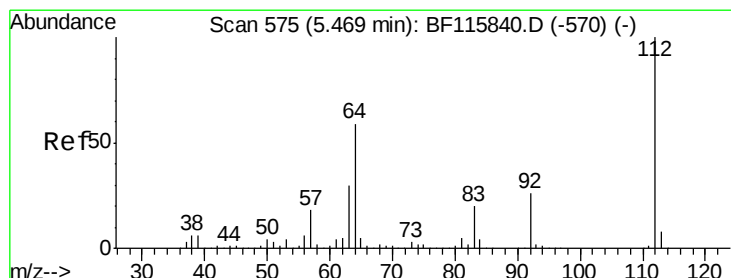
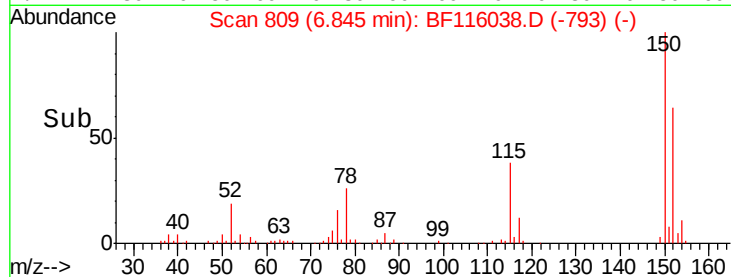
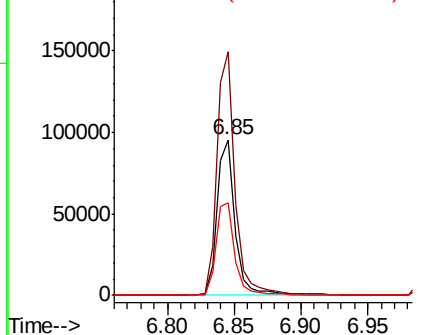


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

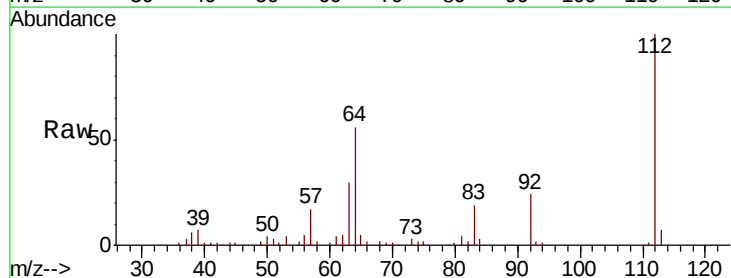
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 24.669 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF116038.D
Acq: 7 Aug 2019 4:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.2	46.8	70.2
63	29.8	24.2	36.2

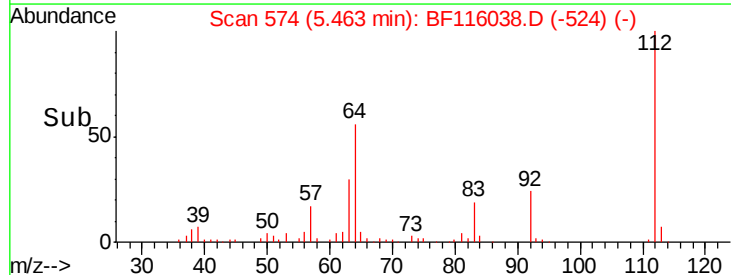
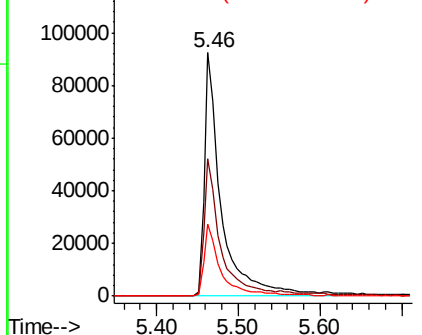


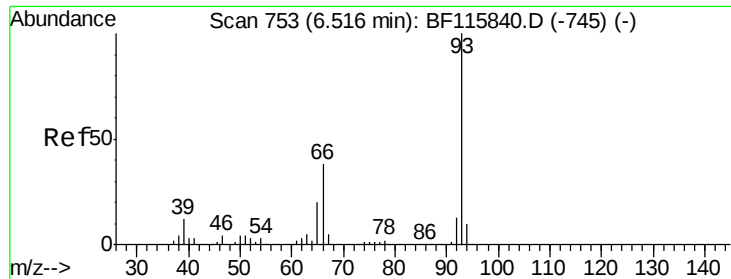
Abundance

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





#6

Aniline

Concen: 0.012 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.10 min

Lab File: BF116038.D

Acq: 7 Aug 2019 4:32

Instrument :

BNA_F

ClientSampleId :

SU-02-080219-B

Tot Ion: 93 Resp: 114

Ion Ratio Lower Upper

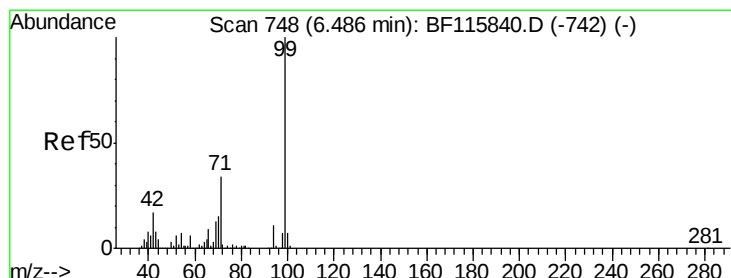
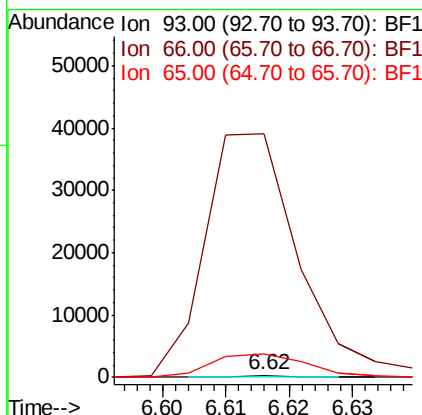
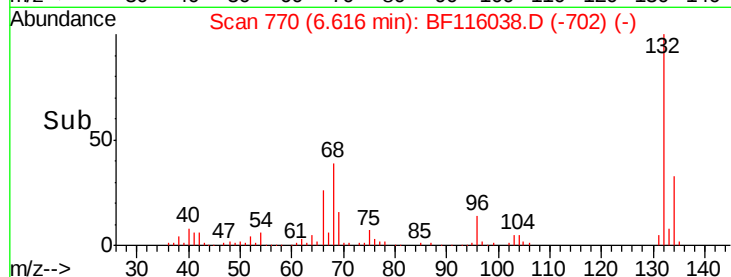
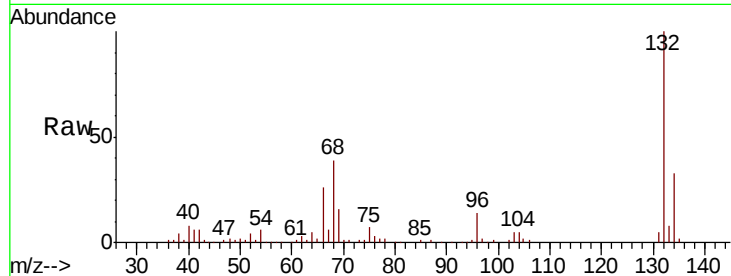
93 100

66 12134.2 31.4 47.7

65 1152.8 16.5 24.7

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#7

Phenol-d6

Concen: 27.556 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116038.D

Acq: 7 Aug 2019 4:32

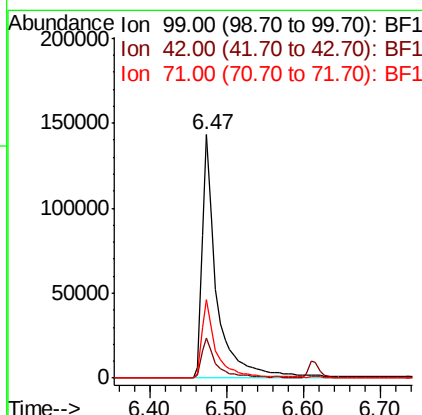
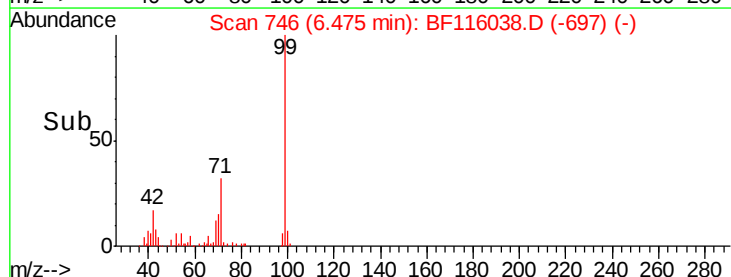
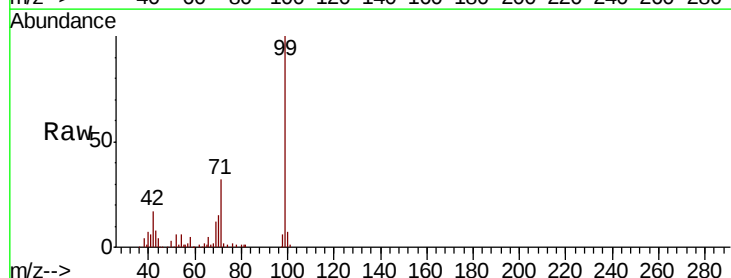
Tgt Ion: 99 Resp: 190409

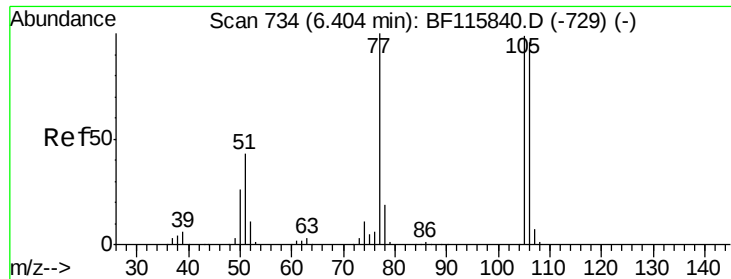
Ion Ratio Lower Upper

99 100

42 16.6 13.8 20.6

71 32.3 27.1 40.7





#9

Benzaldehyde

Concen: 0.768 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.21 min

Lab File: BF116038.D

Acq: 7 Aug 2019 4:32

Instrument :

BNA_F

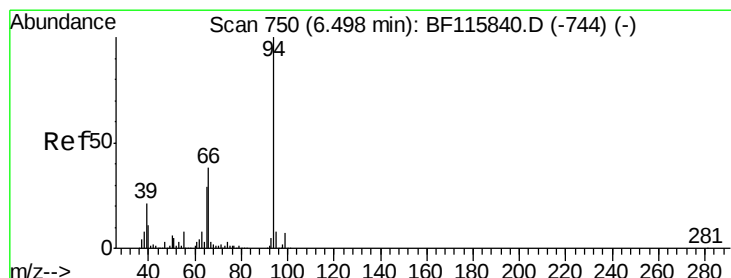
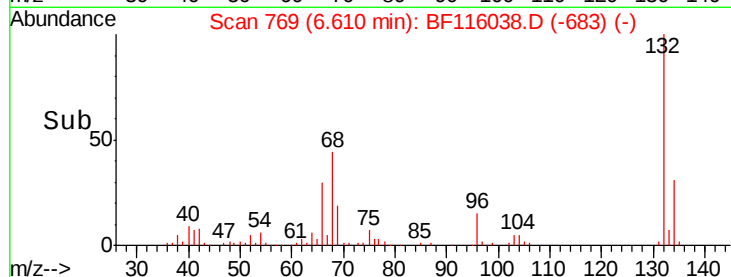
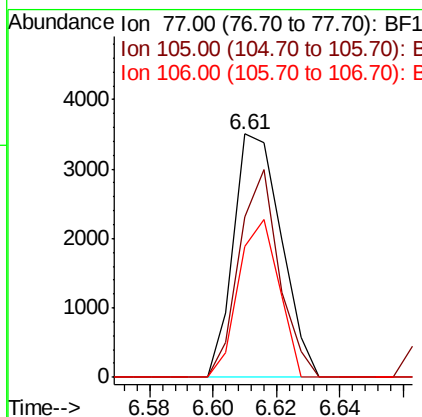
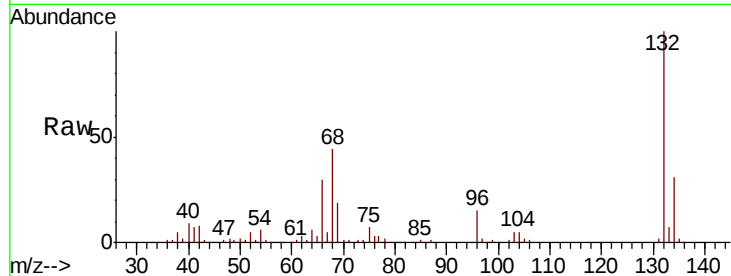
ClientSampleId :

SU-02-080219-B

Tot Ion:	77	Resp:	3660
Ion Ratio	Lower	Upper	
77	100		
105	66.2	79.0	119.0#
106	54.0	76.2	116.2#

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#10

Phenol

Concen: 0.242 ng

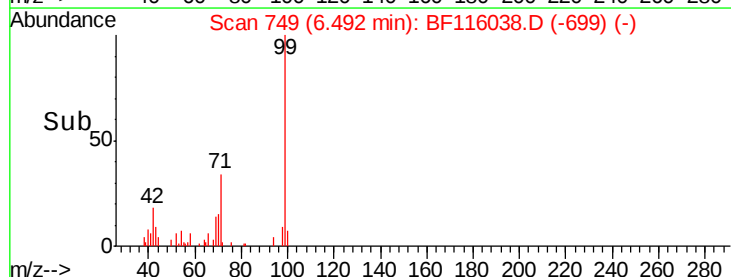
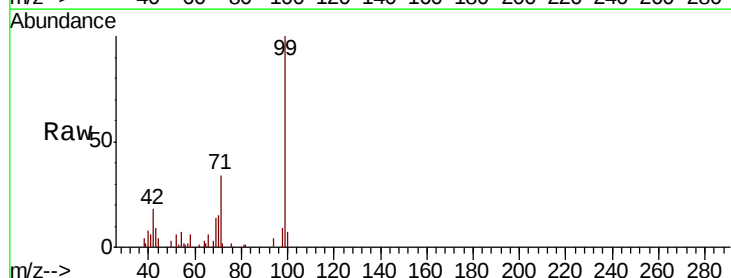
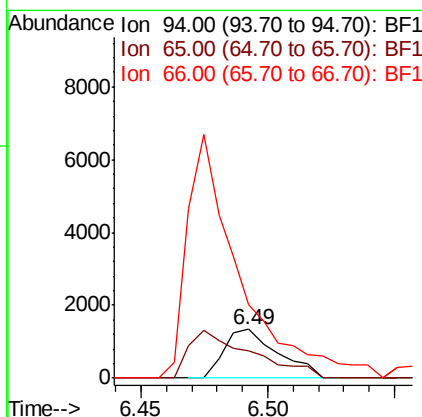
RT: 6.49 min Scan# 749

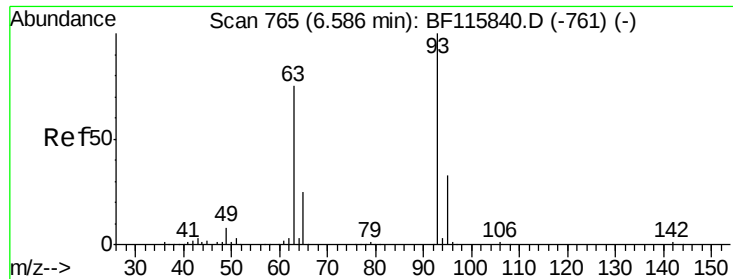
Delta R.T. -0.01 min

Lab File: BF116038.D

Acq: 7 Aug 2019 4:32

Tgt Ion:	94	Resp:	1969
Ion Ratio	Lower	Upper	
94	100		
65	57.1	8.9	48.9#
66	150.7	18.0	58.0#





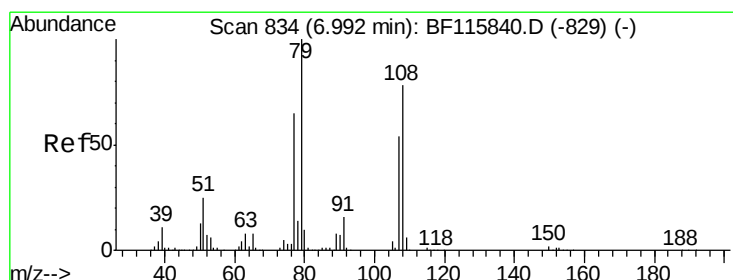
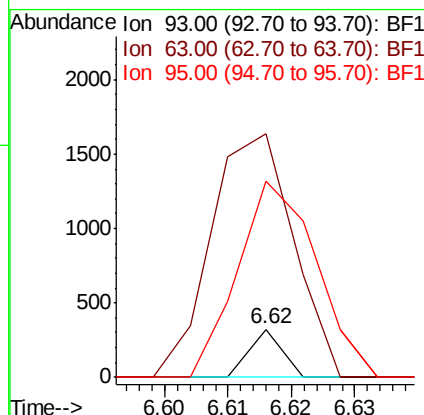
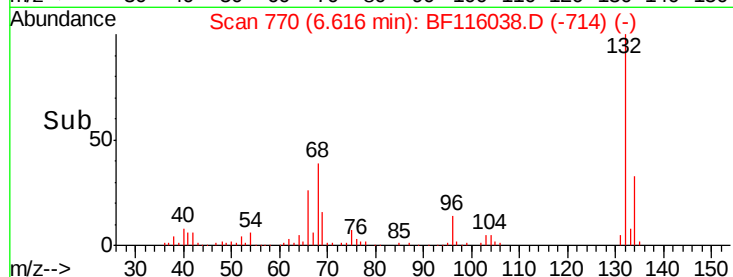
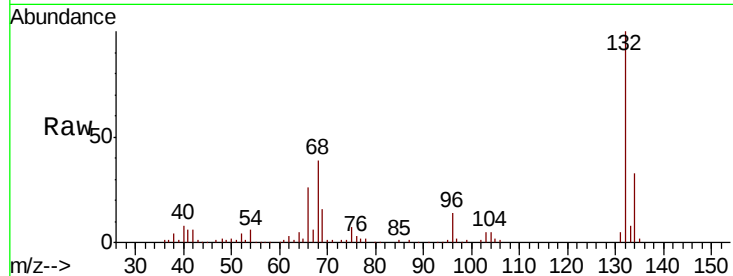
#11
bis(2-Chloroethyl)ether
Concen: 0.019 ng
RT: 6.62 min Scan# 770
Delta R.T. 0.03 min
Lab File: BF116038.D
Acq: 7 Aug 2019 4:32

Instrument :
BNA_F
ClientSampleId :
SU-02-080219-B

Tot Ion	Ratio	Lower	Upper
93	100		
63	508.1	54.9	94.9#
95	408.7	13.3	53.3#

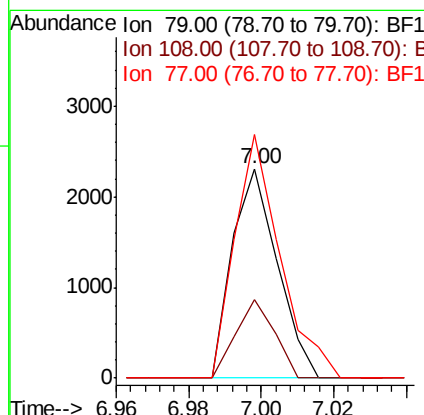
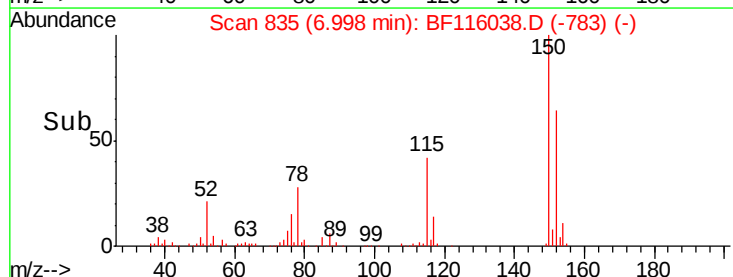
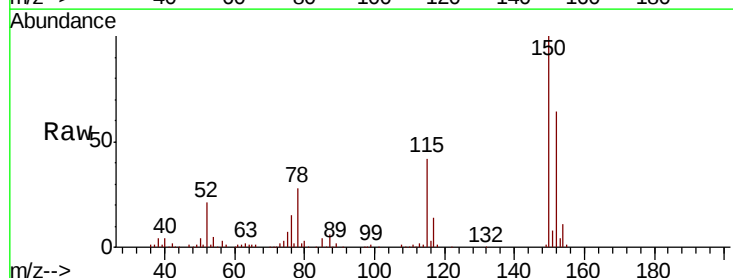
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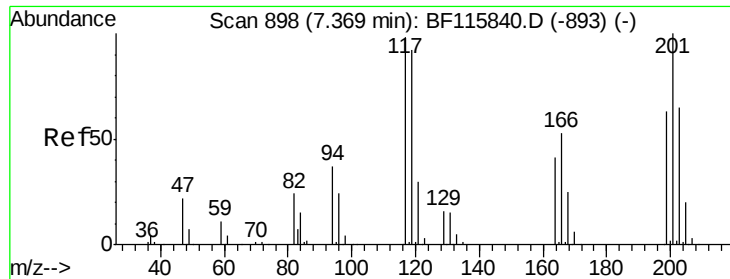
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#15
Benzyl Alcohol
Concen: 0.381 ng
RT: 7.00 min Scan# 835
Delta R.T. 0.01 min
Lab File: BF116038.D
Acq: 7 Aug 2019 4:32

Tgt Ion	Ratio	Lower	Upper
79	100		
108	37.8	62.8	94.2#
77	116.2	52.0	78.0#





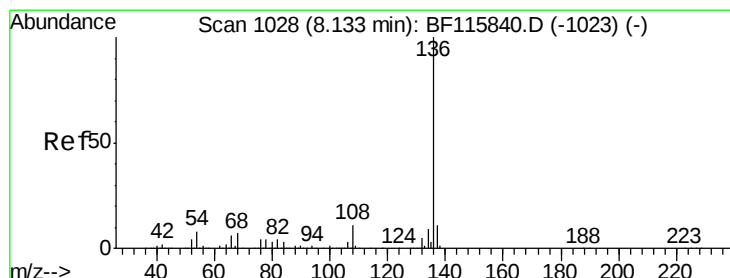
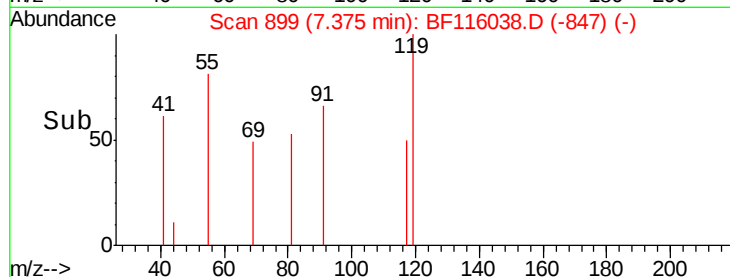
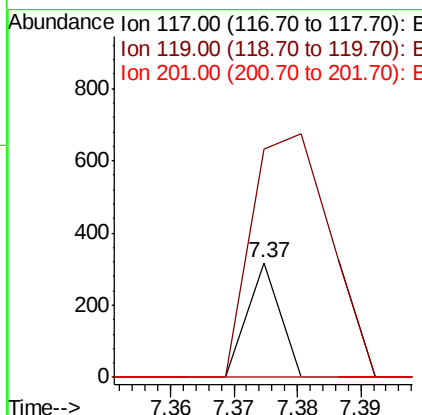
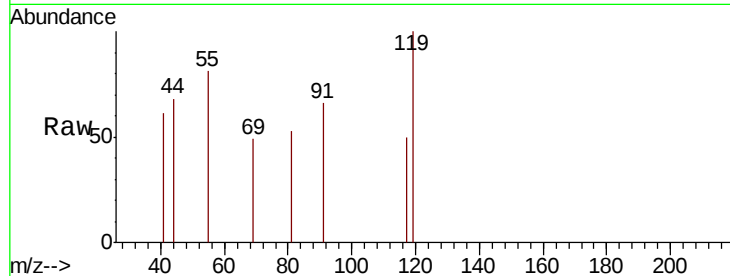
#18
Hexachloroethane
Concen: 0.043 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.01 min
Lab File: BF116038.D
Acq: 7 Aug 2019 4:32

Instrument :
BNA_F
ClientSampleId :
SU-02-080219-B

Tot Ion	Ratio	Lower	Upper
117	100		
119	200.0	75.8	113.6#
201	0.0	82.0	123.0#

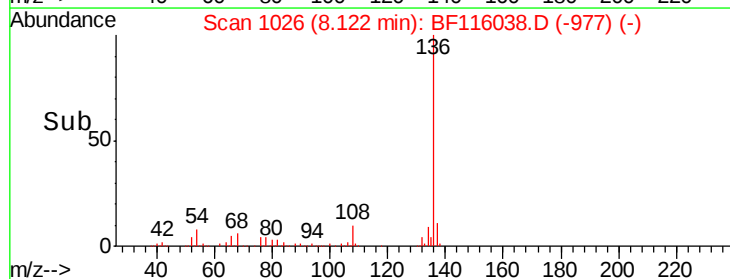
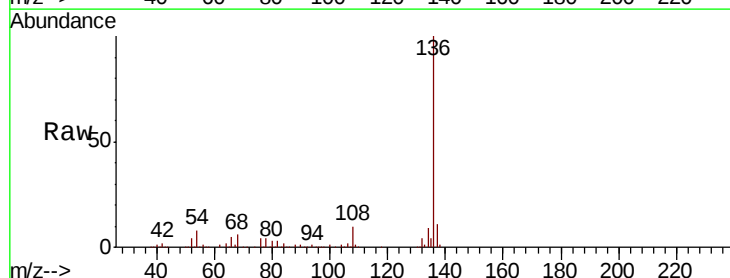
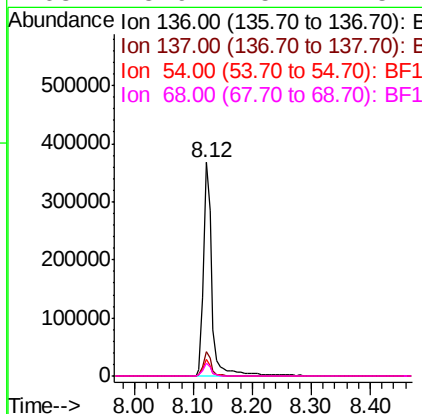
Manual Integrations
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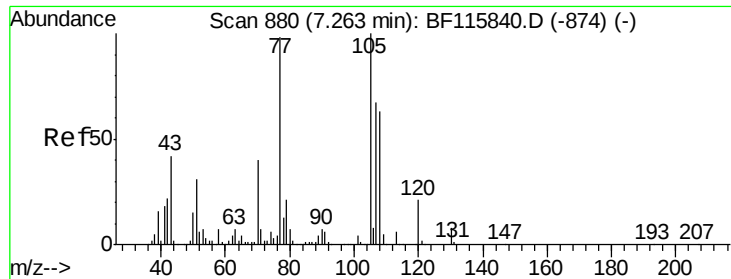
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8/7/2019 4:42:20 PM



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF116038.D
Acq: 7 Aug 2019 4:32

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	7.5	6.1	9.1
68	5.9	5.4	8.2





#22

Acetophenone

Concen: 0.051 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.02 min

Lab File: BF116038.D

Acq: 7 Aug 2019 4:32

Instrument :

BNA_F

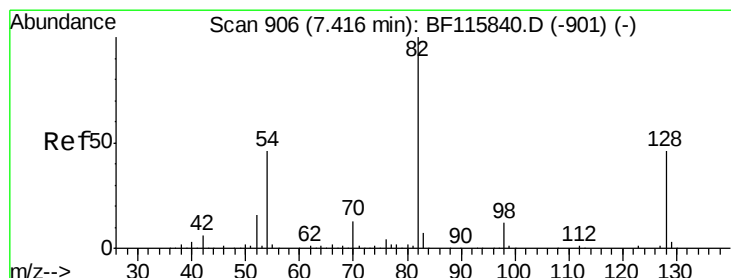
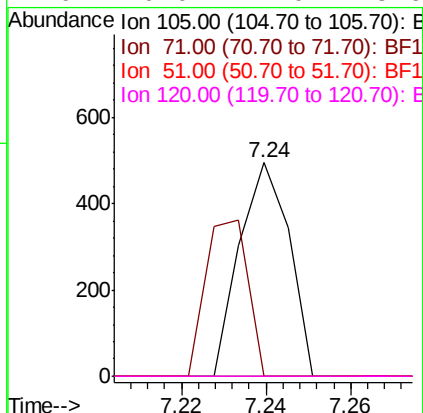
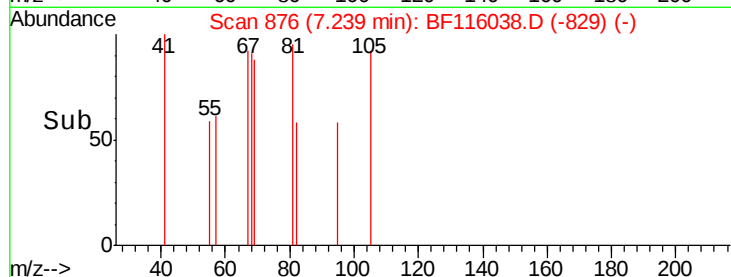
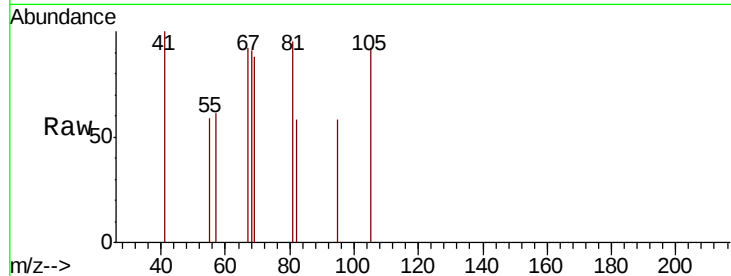
ClientSampleId :

SU-02-080219-B

Tot Ion:	105	Resp:	402
Ion Ratio	Lower	Upper	
105	100		
71	0.0	5.4	8.0#
51	0.0	24.6	36.8#
120	0.0	17.0	25.6#

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8/7/2019 4:42:20 PM



#23

Nitrobenzene-d5

Concen: 17.976 ng

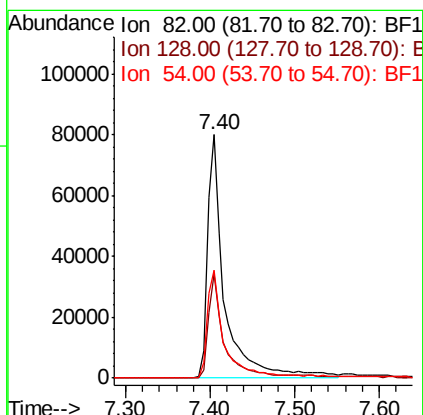
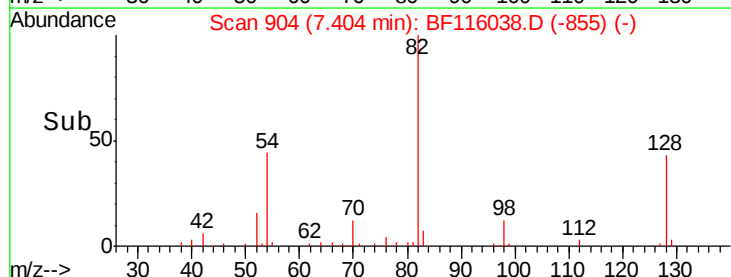
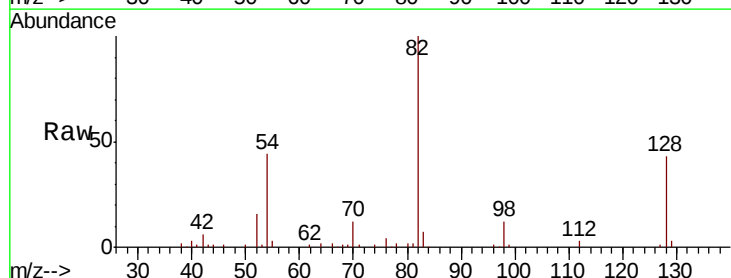
RT: 7.40 min Scan# 904

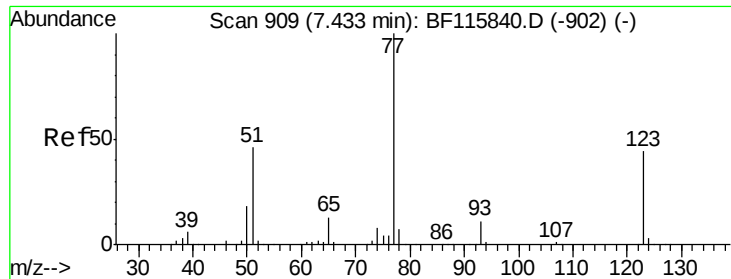
Delta R.T. -0.01 min

Lab File: BF116038.D

Acq: 7 Aug 2019 4:32

Tgt Ion:	82	Resp:	112874
Ion Ratio	Lower	Upper	
82	100		
128	42.9	36.6	55.0
54	44.2	36.6	55.0





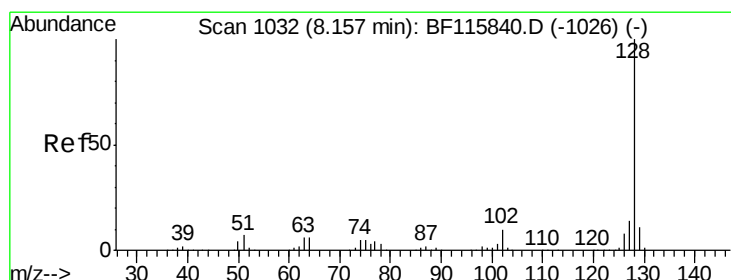
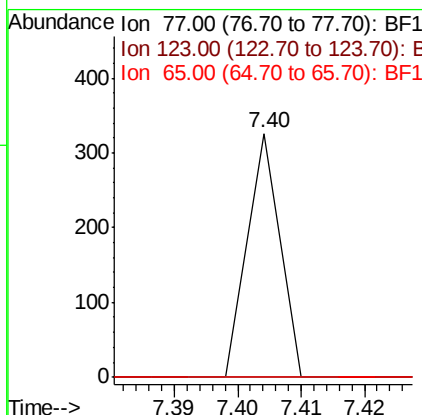
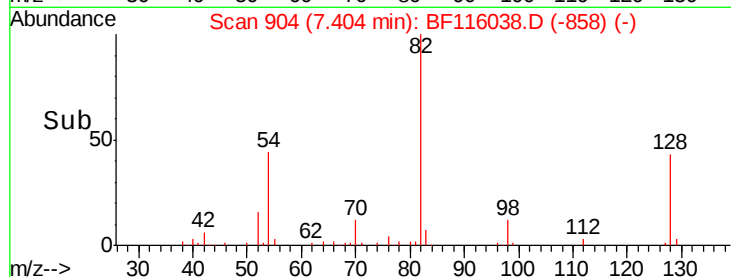
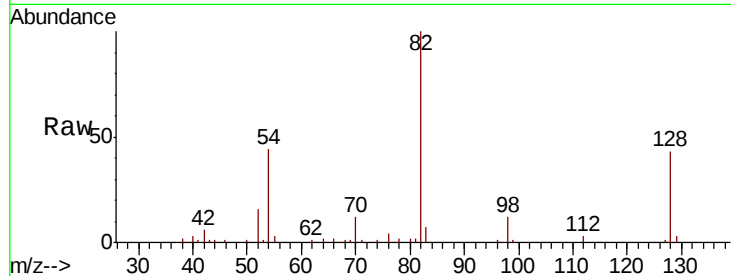
#24
Nitrobenzene
Concen: 0.017 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.03 min
Lab File: BF116038.D
Acq: 7 Aug 2019 4:32

Instrument :
BNA_F
ClientSampleId :
SU-02-080219-B

Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	35.5	53.3#
65	0.0	10.6	15.8#

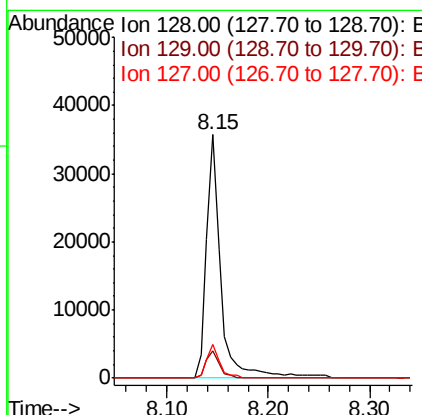
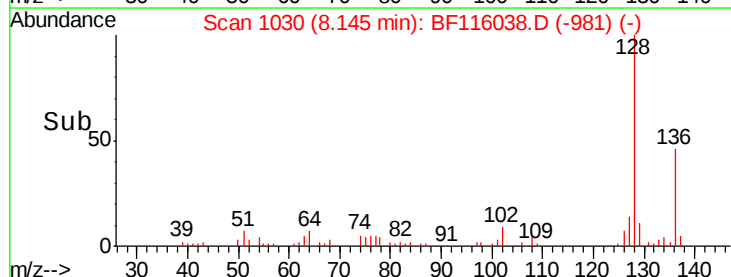
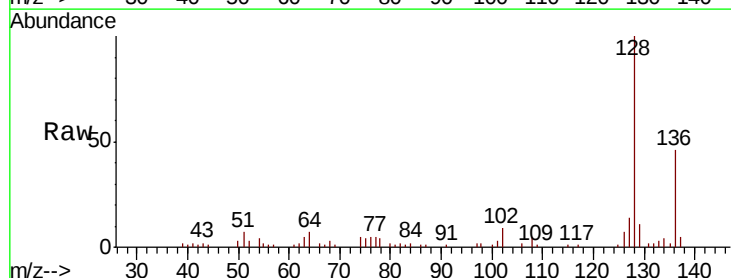
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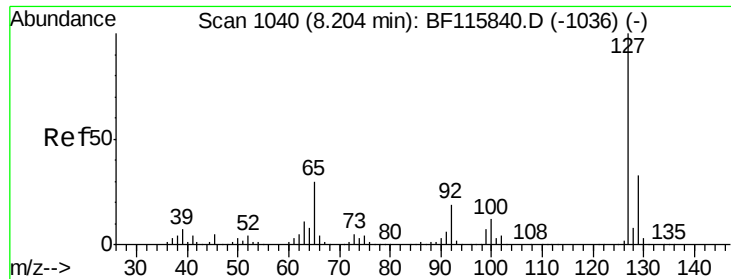
mohammad
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#31
Naphthalene
Concen: 2.064 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF116038.D
Acq: 7 Aug 2019 4:32

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.2	13.8
127	13.8	11.0	16.4





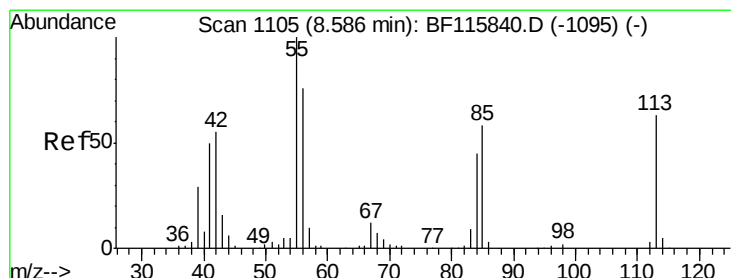
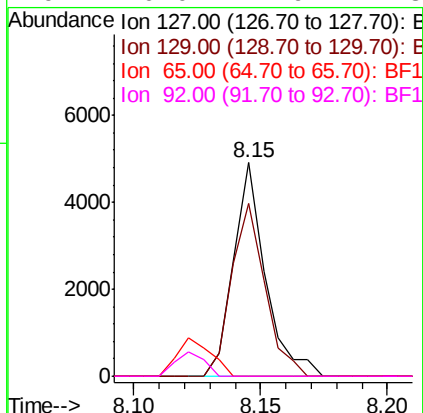
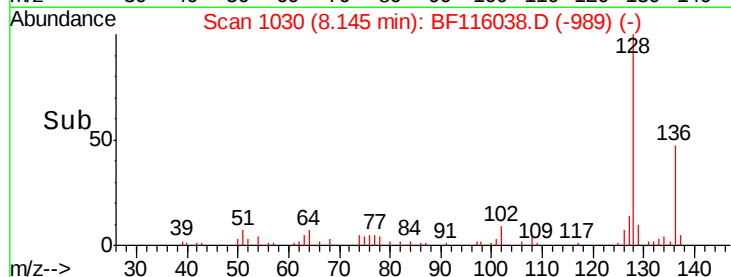
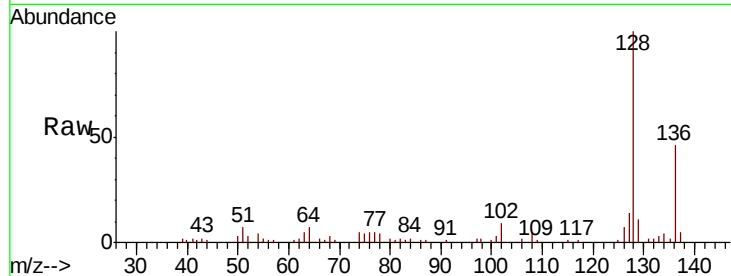
#33
4-Chloroaniline
Concen: 0.563 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.06 min
Lab File: BF116038.D
Acq: 7 Aug 2019 4:32

Instrument :
BNA_F
ClientSampleId :
SU-02-080219-B

Tot Ion:	127	Resp:	4294
Ion Ratio	Lower	Upper	
127	100		
129	81.1	26.0	39.0#
65	0.0	23.9	35.9#
92	0.0	14.9	22.3#

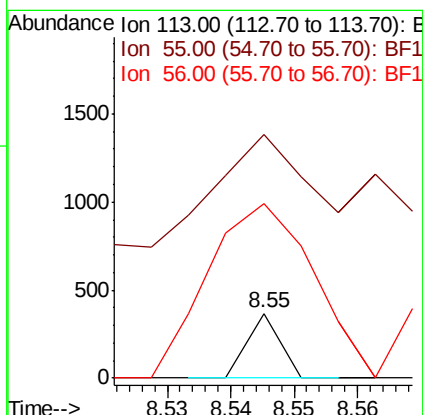
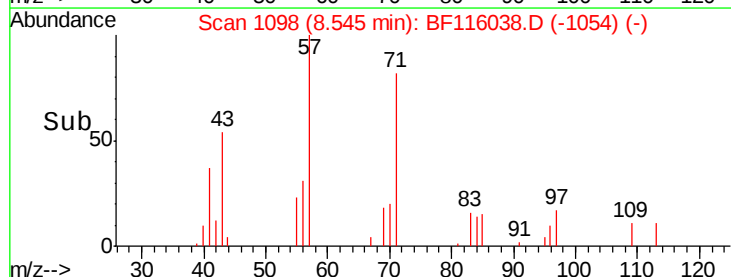
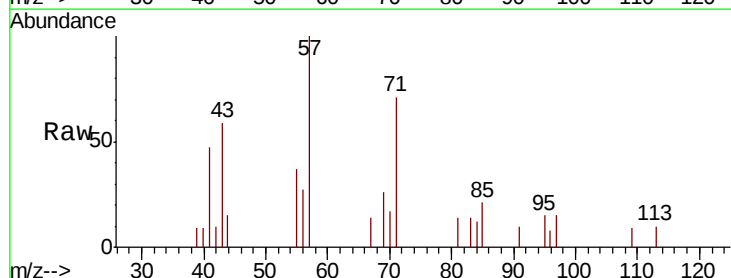
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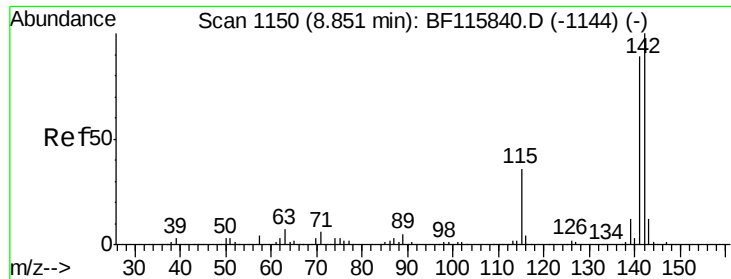
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#35
Caprolactam
Concen: 0.079 ng
RT: 8.55 min Scan# 1098
Delta R.T. -0.04 min
Lab File: BF116038.D
Acq: 7 Aug 2019 4:32

Tgt Ion:	113	Resp:	130
Ion Ratio	Lower	Upper	
113	100		
55	376.6	138.1	178.1#
56	270.3	100.6	140.6#





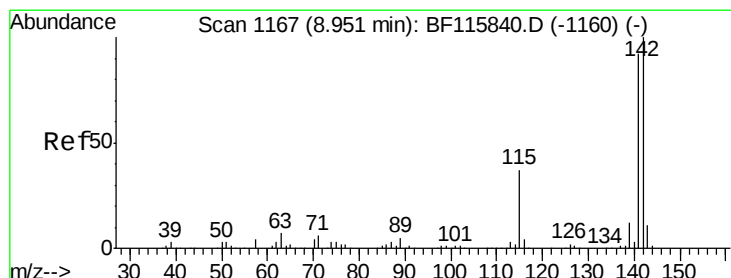
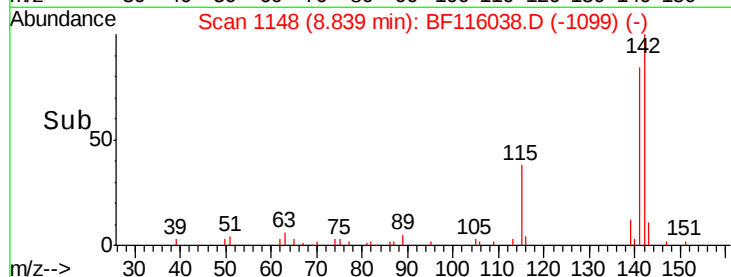
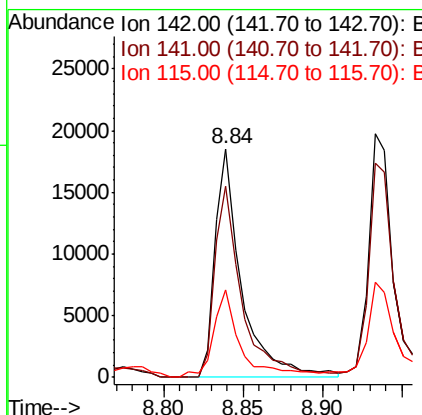
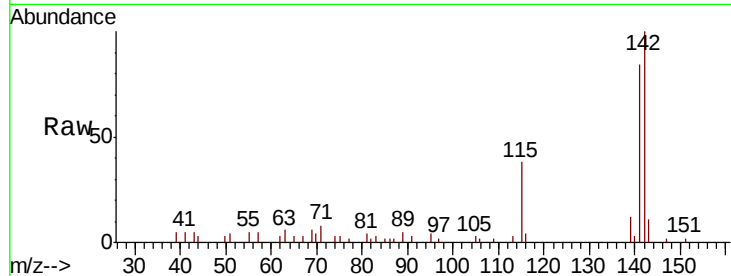
#37
2-Methylnaphthalene
Concen: 1.918 ng
RT: 8.84 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BF116038.D
Acq: 7 Aug 2019 4:32

Instrument :
BNA_F
ClientSampleId :
SU-02-080219-B

Tot Ion	Ratio	Lower	Upper
142	100		
141	83.6	71.4	107.2
115	38.1	28.9	43.3

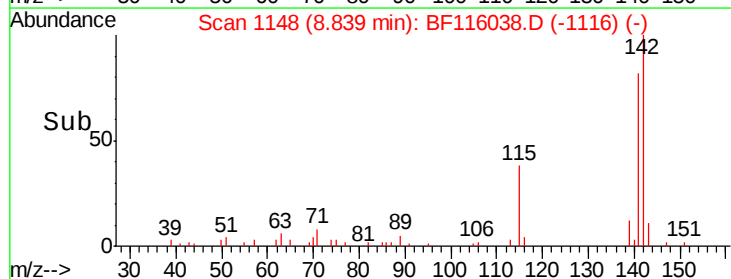
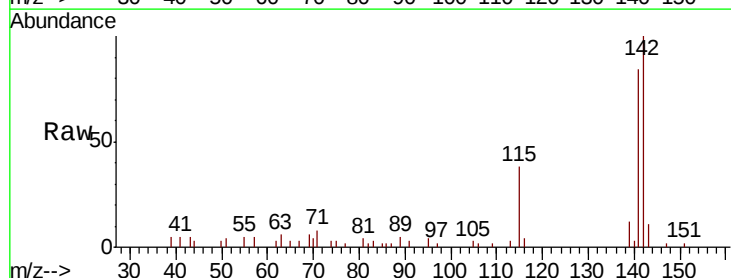
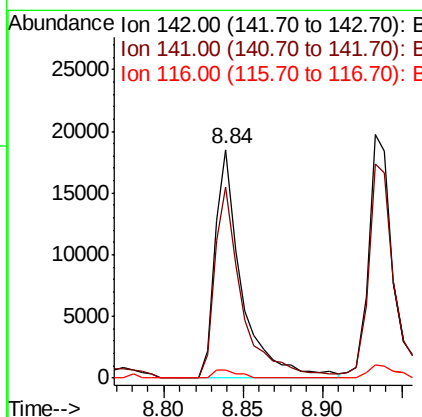
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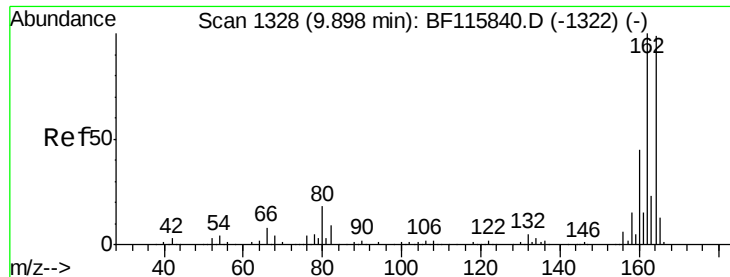
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#38
1-Methylnaphthalene
Concen: 2.027 ng
RT: 8.84 min Scan# 1148
Delta R.T. -0.11 min
Lab File: BF116038.D
Acq: 7 Aug 2019 4:32

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.6	73.8	110.6
116	3.7	3.1	4.7





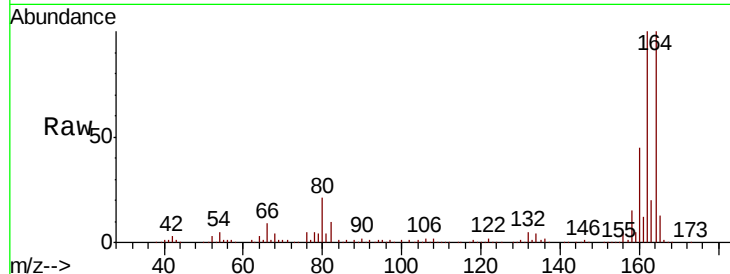
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.02 min
Lab File: BF116038.D
Acq: 7 Aug 2019 4:32

Instrument :
BNA_F
ClientSampleId :
SU-02-080219-B

Tot Ion	Ratio	Resp	Lower	Upper
164	100	174657		
162	99.7	80.8	121.2	
160	44.7	36.2	54.4	

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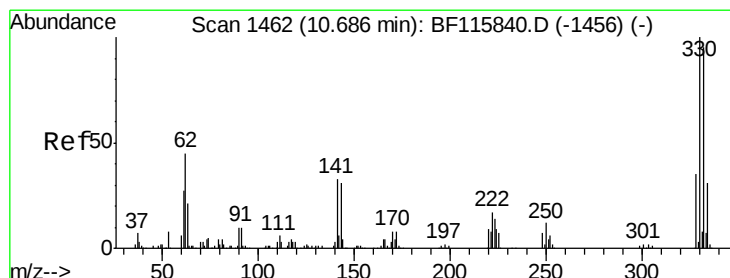
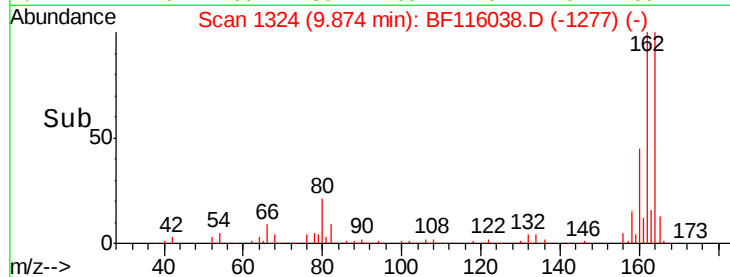
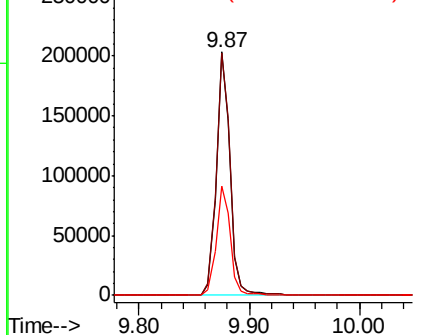


Abundance

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



#42
2,4,6-Tribromophenol
Concen: 20.429 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.02 min
Lab File: BF116038.D
Acq: 7 Aug 2019 4:32

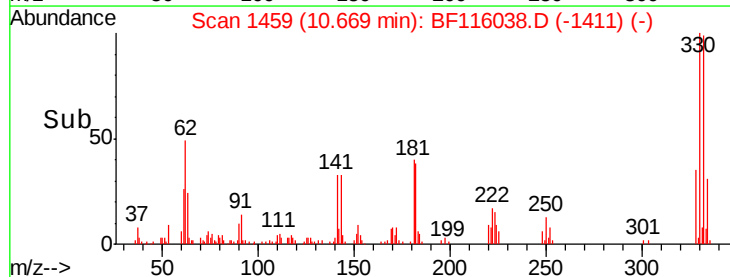
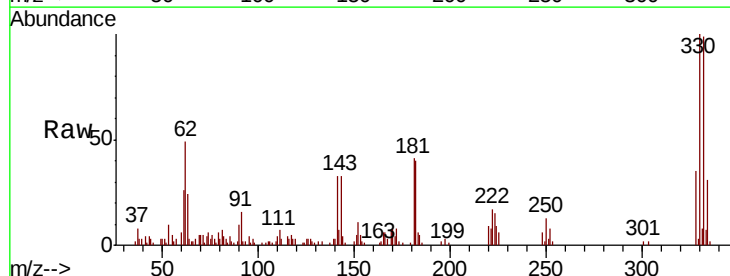
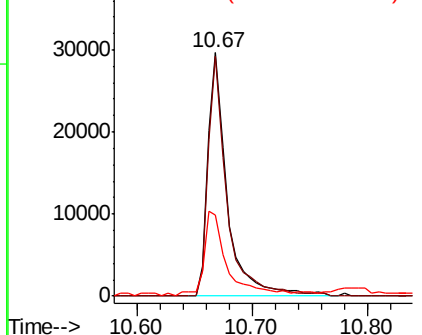
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	34593		
332	96.1	77.7	116.5	
141	41.7	28.1	42.1	

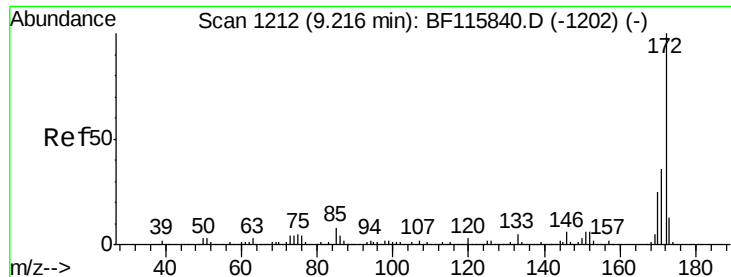
Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





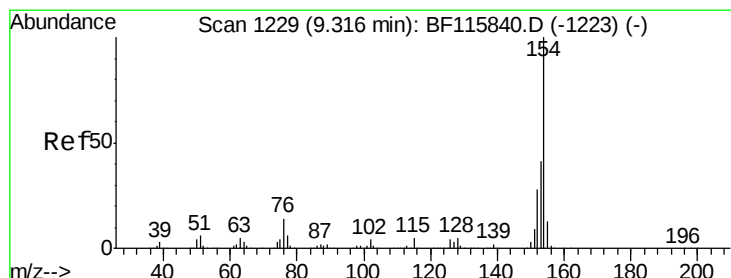
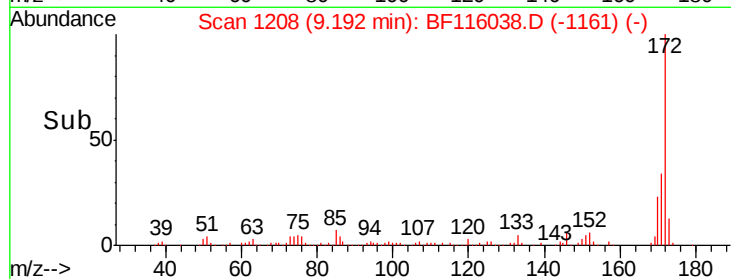
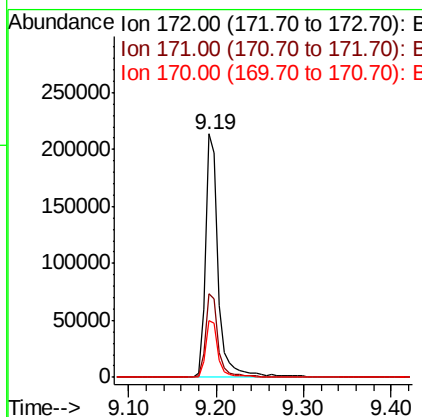
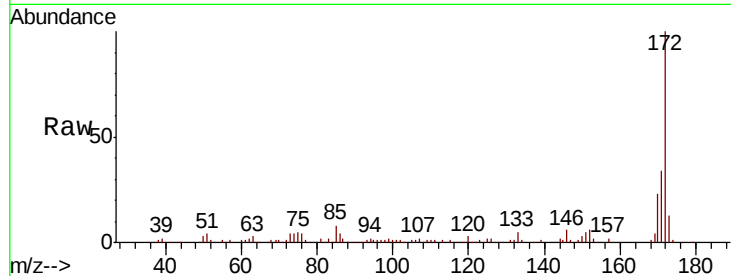
#45
2-Fluorobiphenyl
Concen: 23.349 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.02 min
Lab File: BF116038.D
Acq: 7 Aug 2019 4:32

Instrument :
BNA_F
ClientSampleId :
SU-02-080219-B

Tot Ion	Ratio	Resp	Lower	Upper
172	100	217724		
171	34.2		29.1	43.7
170	23.3		20.1	30.1

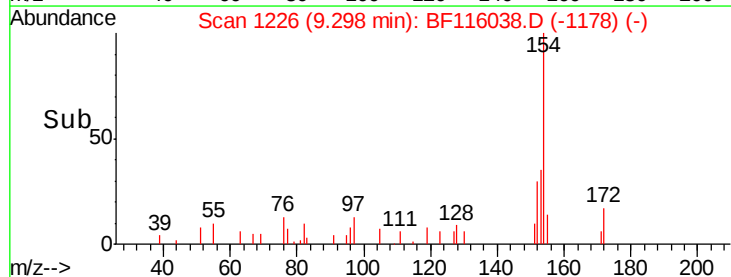
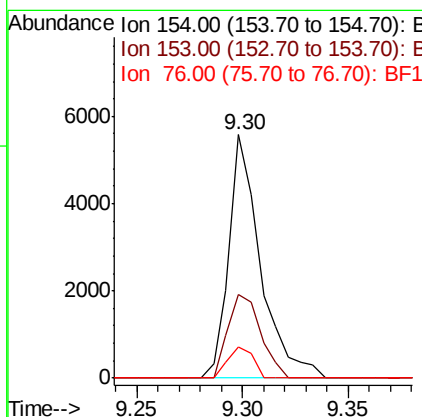
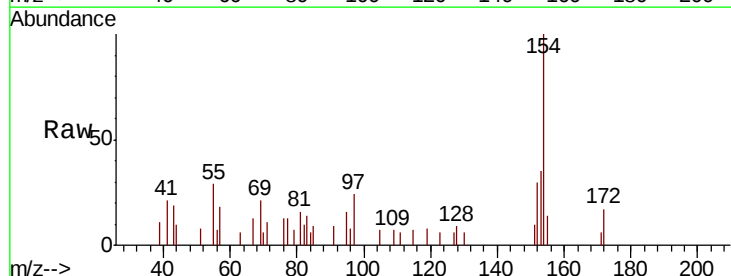
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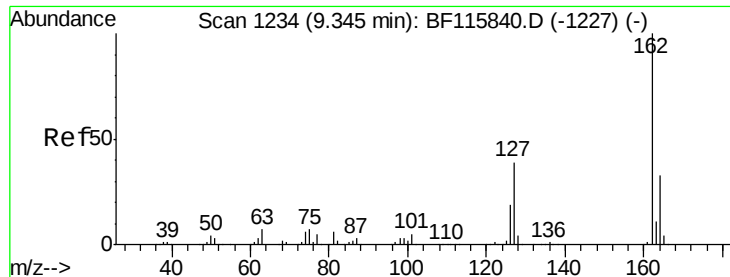
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#46
1,1'-Biphenyl
Concen: 0.467 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.02 min
Lab File: BF116038.D
Acq: 7 Aug 2019 4:32

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	5764		
153	34.6		20.9	60.9
76	12.9		0.0	34.3





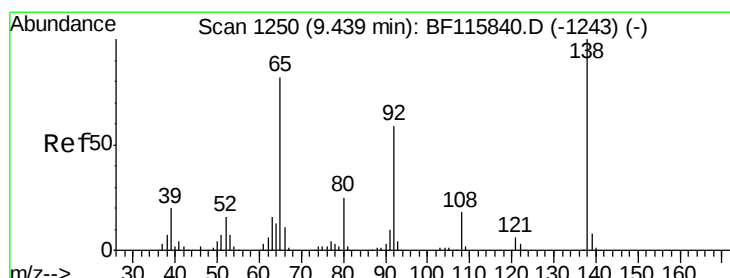
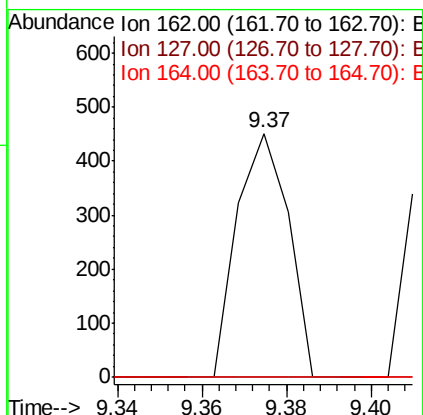
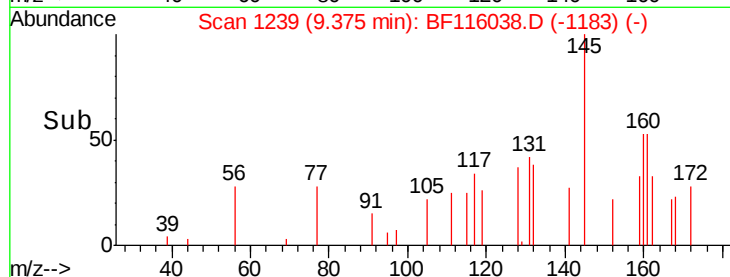
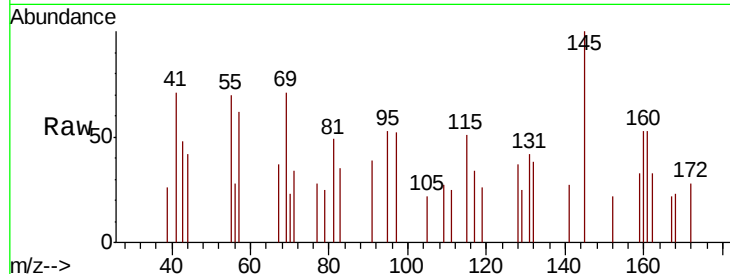
#47
2-Chloronaphthalene
Concen: 0.037 ng
RT: 9.37 min Scan# 1239
Delta R.T. 0.03 min
Lab File: BF116038.D
Acq: 7 Aug 2019 4:32

Instrument :
BNA_F
ClientSampleId :
SU-02-080219-B

Tot Ion	Ratio	Resp	Lower	Upper
162	100			
127	0.0	31.3	46.9#	
164	0.0	26.6	40.0#	

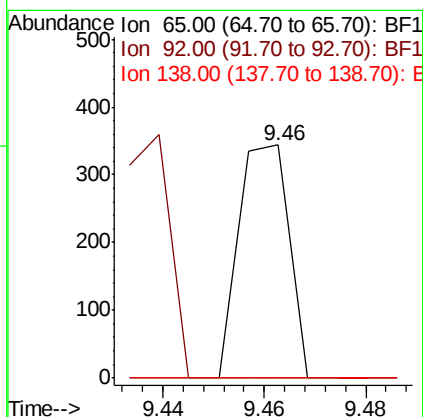
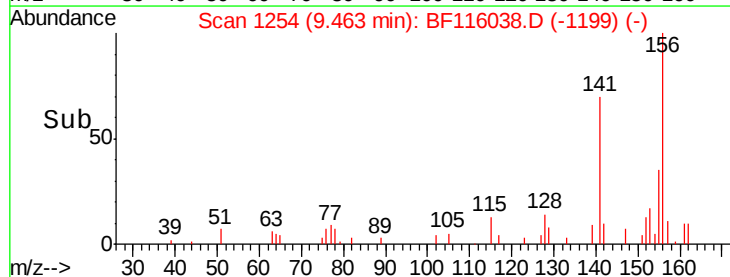
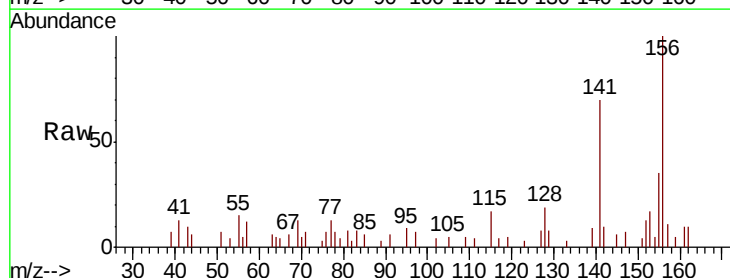
Manual Integrations
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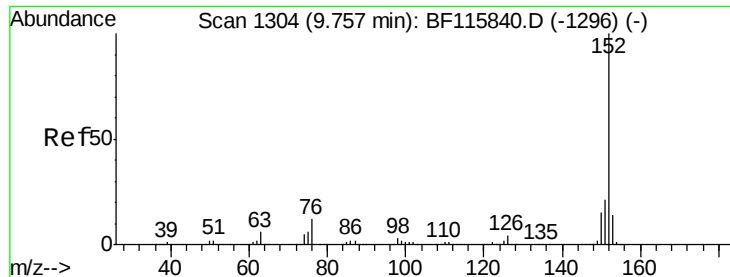
mohammad
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#48
2-Nitroaniline
Concen: 0.070 ng
RT: 9.46 min Scan# 1254
Delta R.T. 0.02 min
Lab File: BF116038.D
Acq: 7 Aug 2019 4:32

Tgt Ion	Ratio	Resp	Lower	Upper
65	100			
92	0.0	57.1	85.7#	
138	0.0	97.1	145.7#	





#49

Acenaphthylene

Concen: 5.782 ng

RT: 9.74 min Scan# 1301

Delta R.T. -0.02 min

Lab File: BF116038.D

Acq: 7 Aug 2019 4:32

Instrument :

BNA_F

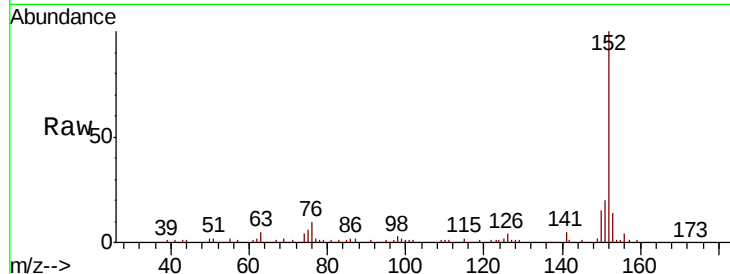
ClientSampleId :

SU-02-080219-B

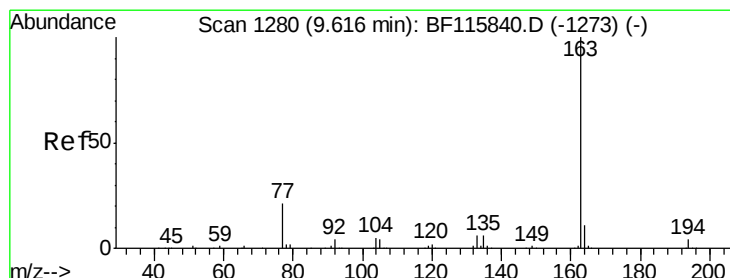
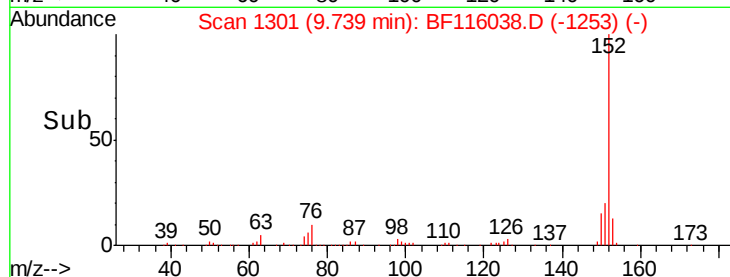
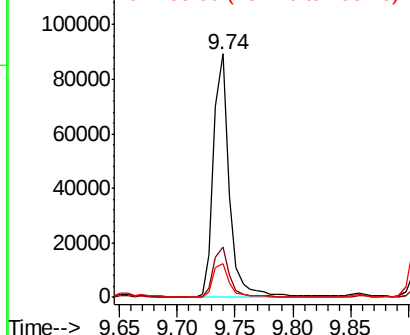
Tot Ion:	152	Resp:	86569
Ion Ratio	Lower	Upper	
152	100		
151	20.4	16.8	25.2
153	14.1	11.6	17.4

Manual Integrations
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 1.712 ng

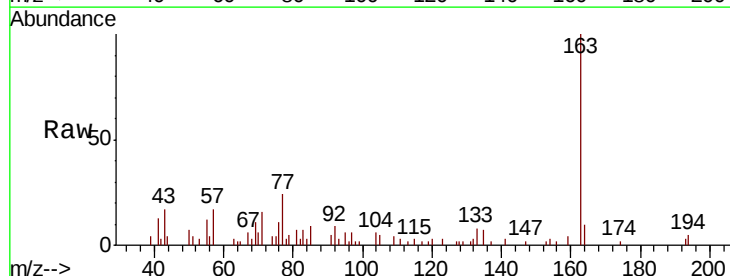
RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

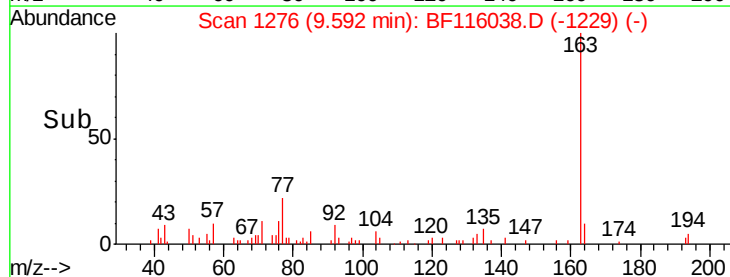
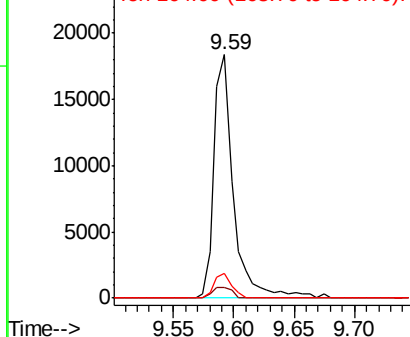
Lab File: BF116038.D

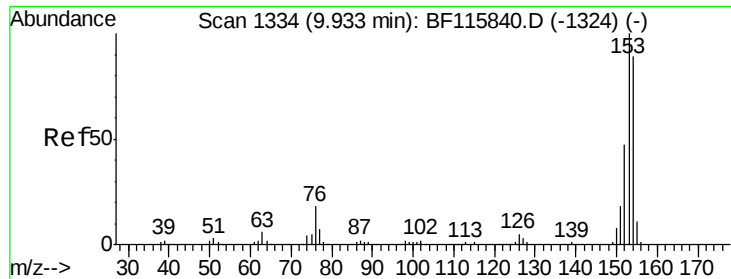
Acq: 7 Aug 2019 4:32

Tgt Ion:	163	Resp:	20359
Ion Ratio	Lower	Upper	
163	100		
194	4.6	3.0	4.6#
164	10.4	8.4	12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#52

Acenaphthene

Concen: 1.999 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.02 min

Lab File: BF116038.D

Acq: 7 Aug 2019 4:32

Instrument :

BNA_F

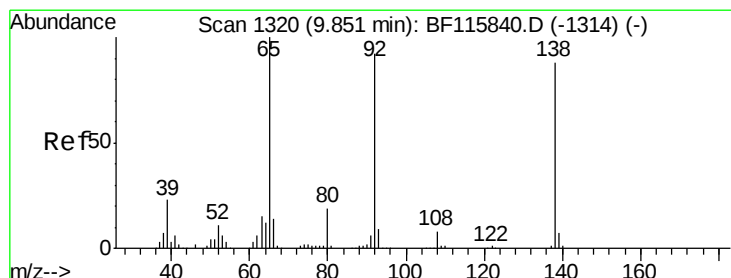
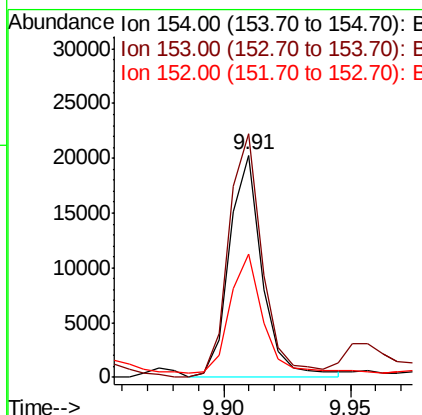
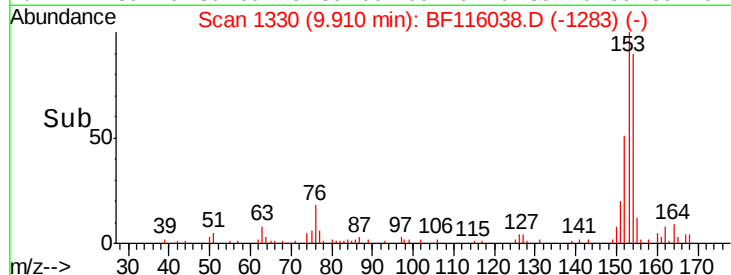
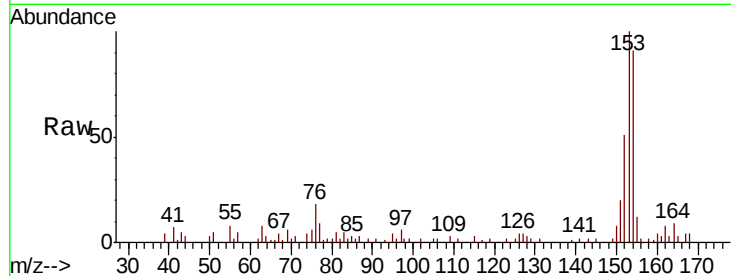
ClientSampleId :

SU-02-080219-B

Tot Ion:	154	Resp:	18362
Ion Ratio	Lower	Upper	
154	100		
153	109.7	90.1	135.1
152	55.5	42.6	63.8

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#53

3-Nitroaniline

Concen: 0.275 ng

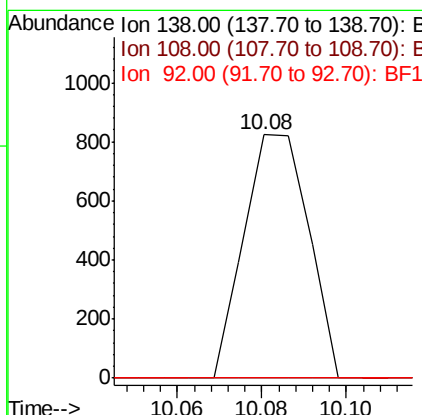
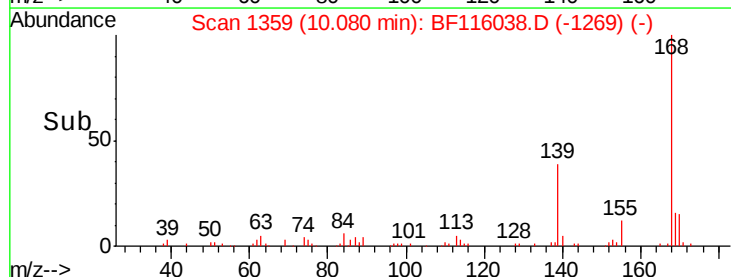
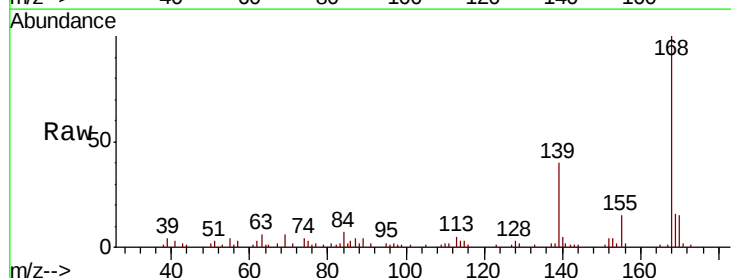
RT: 10.08 min Scan# 1359

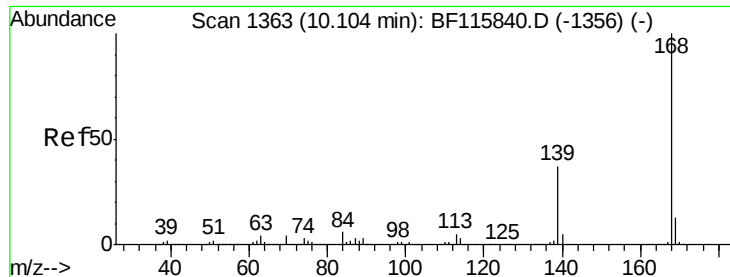
Delta R.T. 0.23 min

Lab File: BF116038.D

Acq: 7 Aug 2019 4:32

Tgt Ion:	138	Resp:	879
Ion Ratio	Lower	Upper	
138	100		
108	0.0	7.4	11.2#
92	0.0	83.9	125.9#





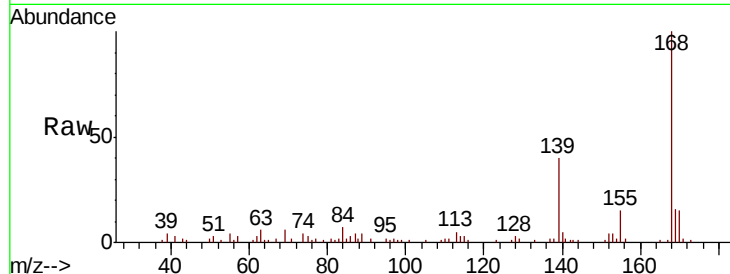
#55
Dibenzofuran
Concen: 3.893 ng
RT: 10.08 min Scan# 1359
Delta R.T. -0.02 min
Lab File: BF116038.D
Acq: 7 Aug 2019 4:32

Instrument :
BNA_F
ClientSampleId :
SU-02-080219-B

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.6	30.2	45.2
169	15.7	10.8	16.2

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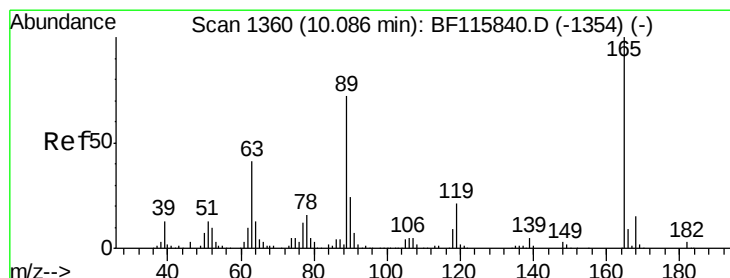
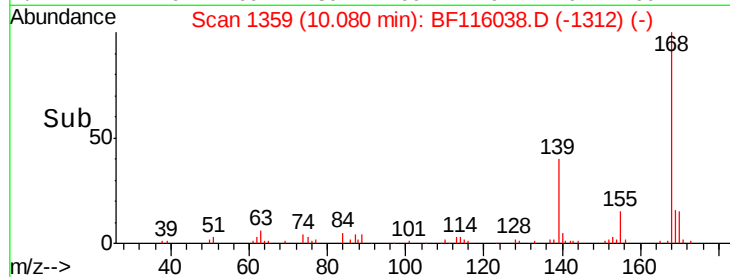
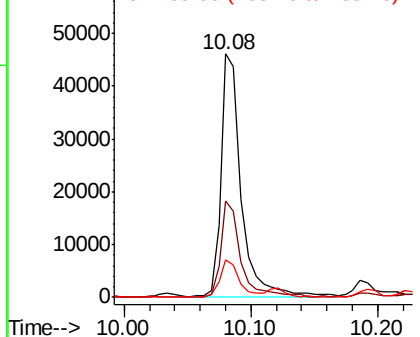


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57
2,4-Dinitrotoluene
Concen: 0.245 ng
RT: 10.03 min Scan# 1351
Delta R.T. -0.05 min
Lab File: BF116038.D
Acq: 7 Aug 2019 4:32

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.2	49.8#
89	0.0	57.3	85.9#
182	0.0	2.1	3.1#

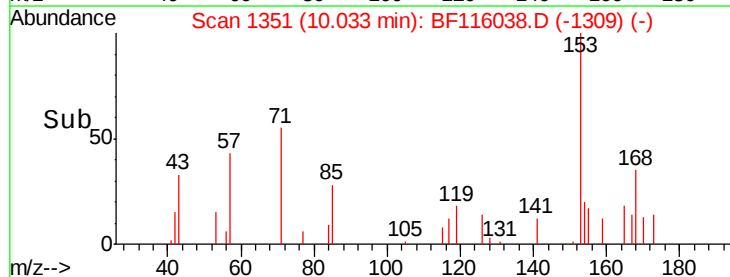
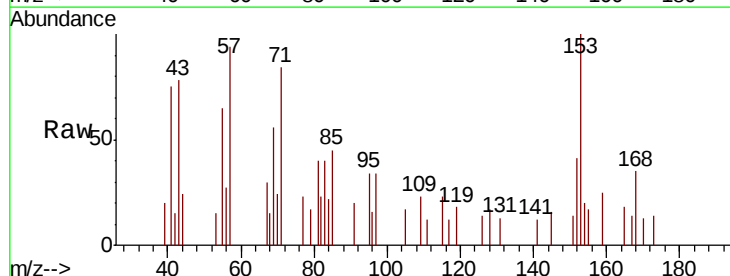
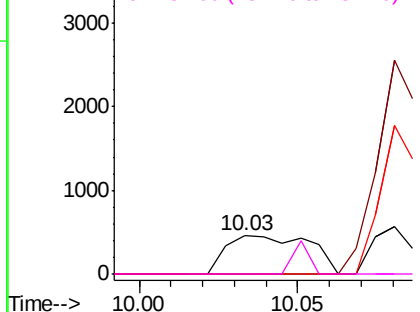
Abundance

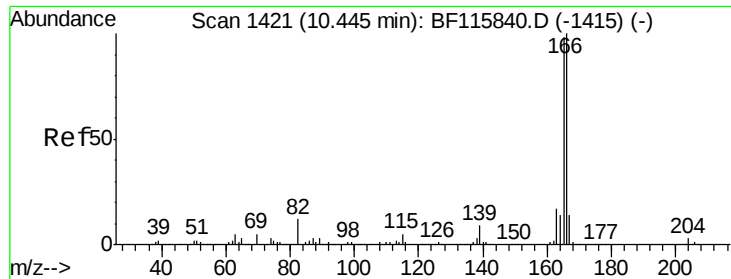
Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





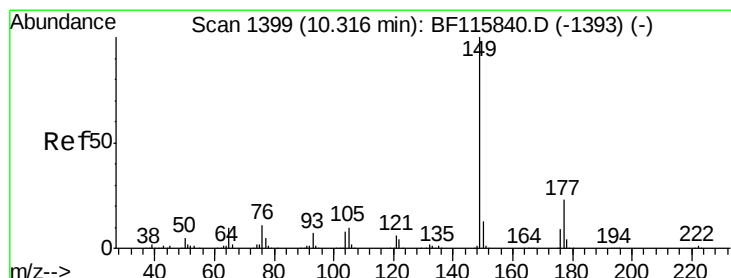
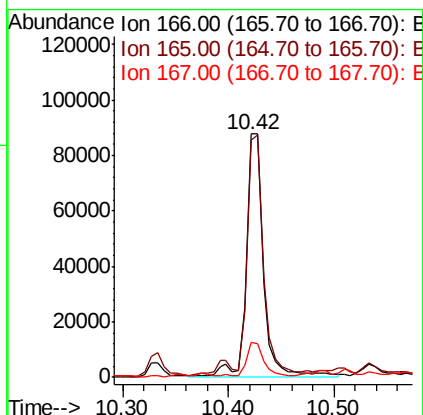
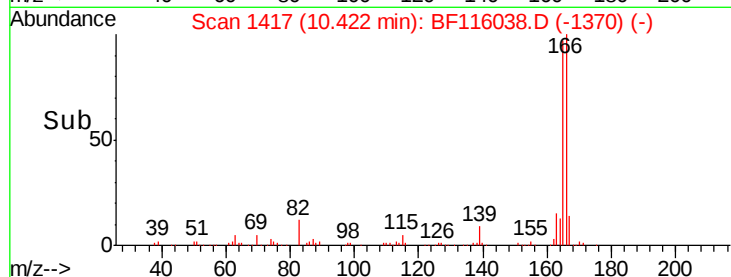
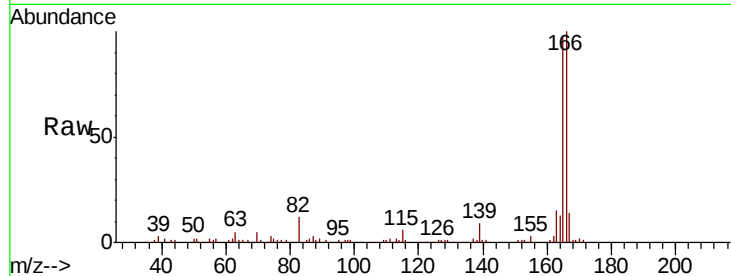
#58
Fluorene
Concen: 9.638 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.02 min
Lab File: BF116038.D
Acq: 7 Aug 2019 4:32

Instrument :
BNA_F
ClientSampleId :
SU-02-080219-B

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	97.5	78.6	118.0	
167	14.4	10.9	16.3	

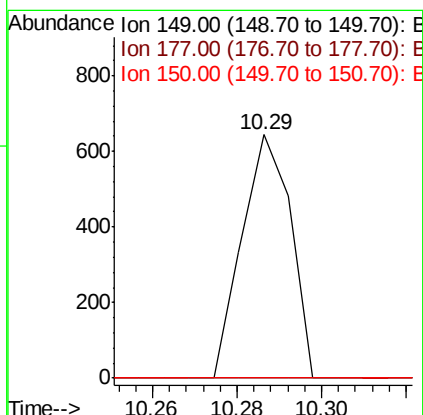
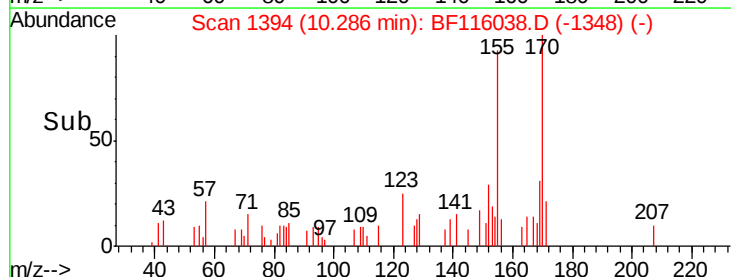
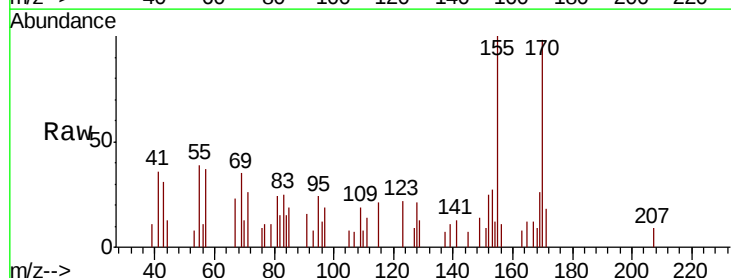
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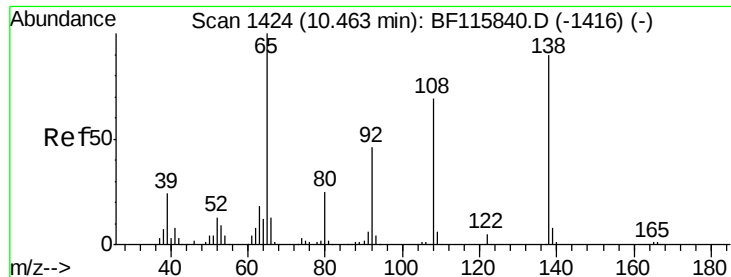
mohammad
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#60
Diethylphthalate
Concen: 0.046 ng
RT: 10.29 min Scan# 1394
Delta R.T. -0.03 min
Lab File: BF116038.D
Acq: 7 Aug 2019 4:32

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
177	0.0	18.4	27.6#	
150	0.0	10.1	15.1#	





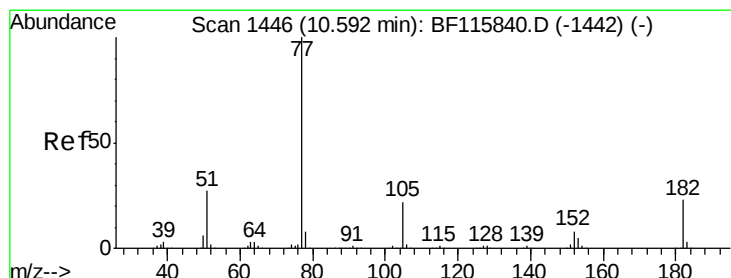
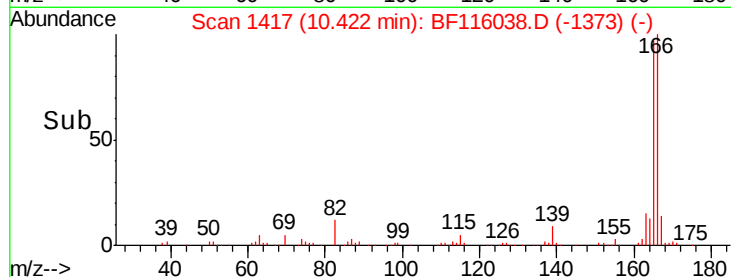
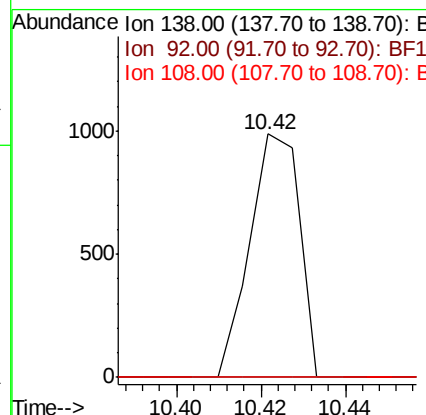
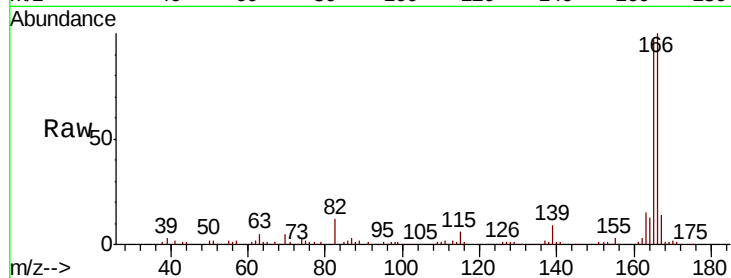
#62
4-Nitroaniline
Concen: 0.245 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.04 min
Lab File: BF116038.D
Acq: 7 Aug 2019 4:32

Instrument :
BNA_F
ClientSampleID :
SU-02-080219-B

Tot Ion	Ratio	Lower	Upper
138	100		
92	0.0	31.0	71.0#
108	0.0	56.7	96.7#

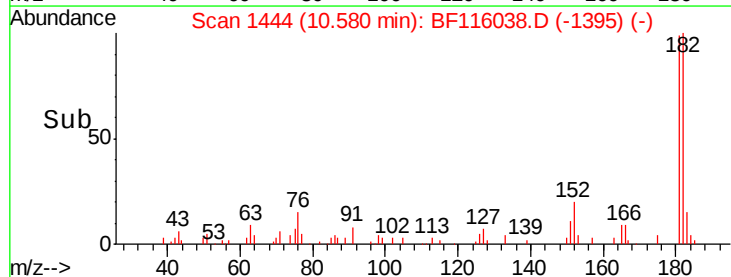
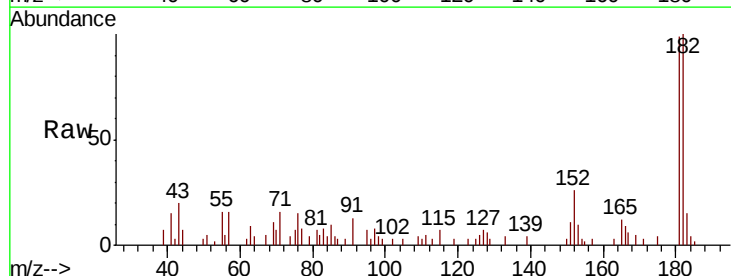
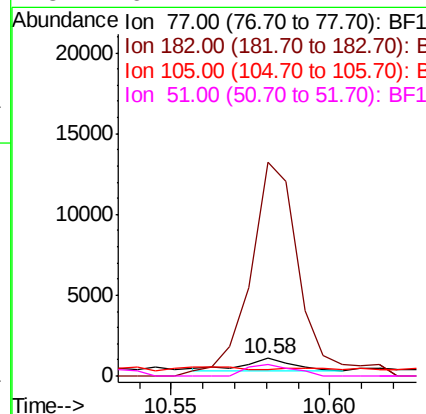
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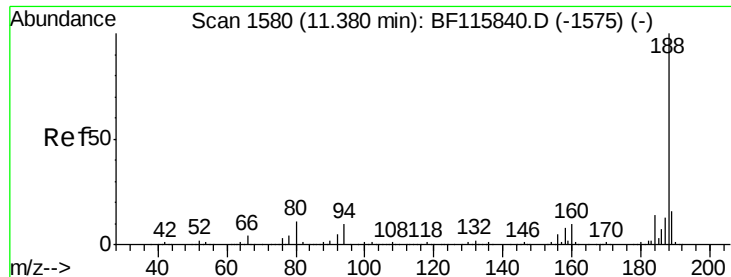
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#63
Azobenzene
Concen: 0.066 ng
RT: 10.58 min Scan# 1444
Delta R.T. -0.01 min
Lab File: BF116038.D
Acq: 7 Aug 2019 4:32

Tgt Ion	Ratio	Lower	Upper
77	100		
182	1198.5	2.6	42.6#
105	36.9	1.6	41.6
51	62.7	7.4	47.4#





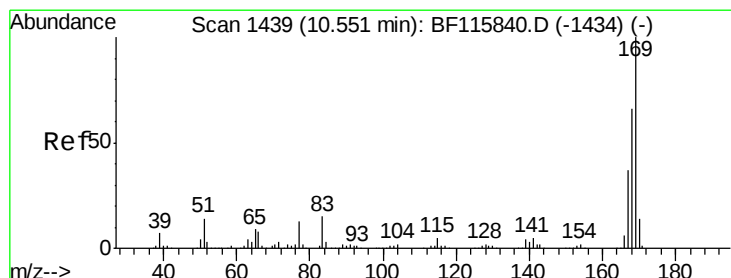
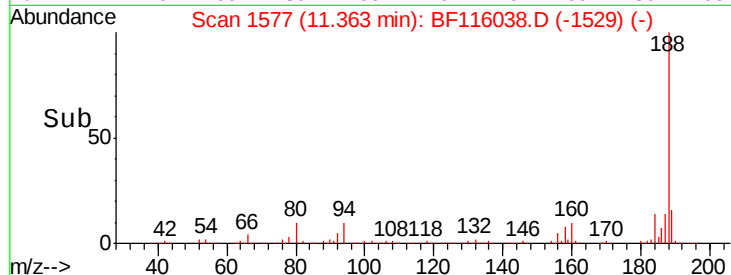
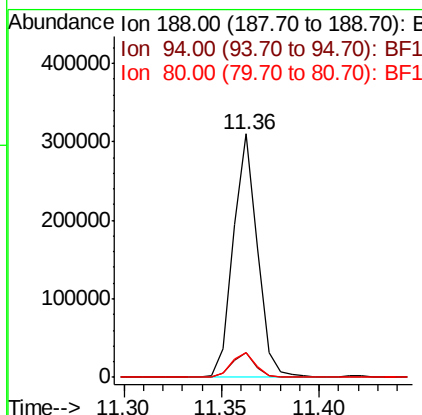
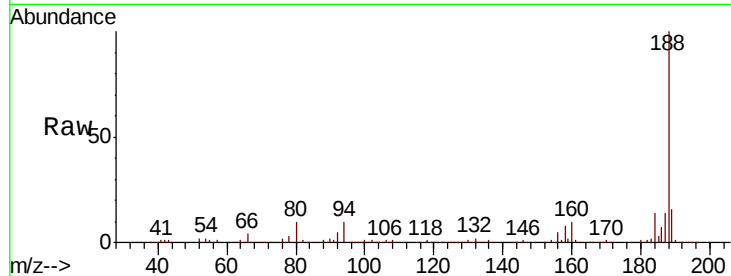
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.02 min
 Lab File: BF116038.D
 Acq: 7 Aug 2019 4:32

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-080219-B

Tot Ion:	188	Resp:	266073
Ion Ratio		Lower	Upper
188	100		
94	9.9	8.0	12.0
80	10.2	8.6	12.8

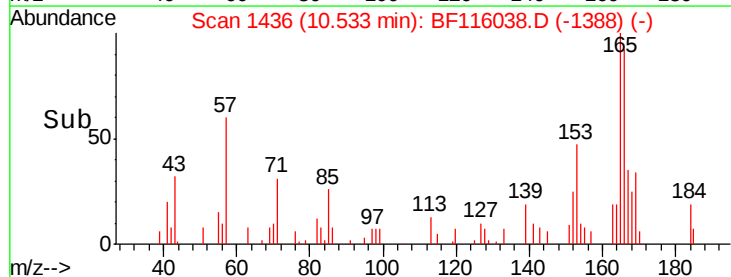
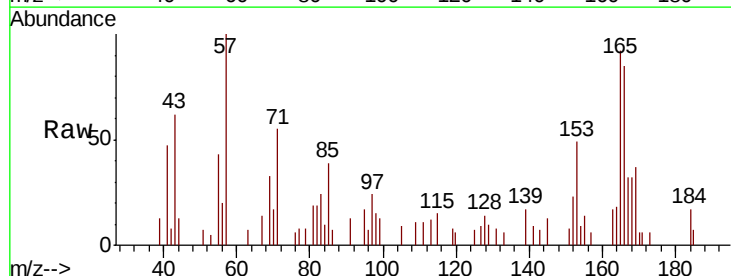
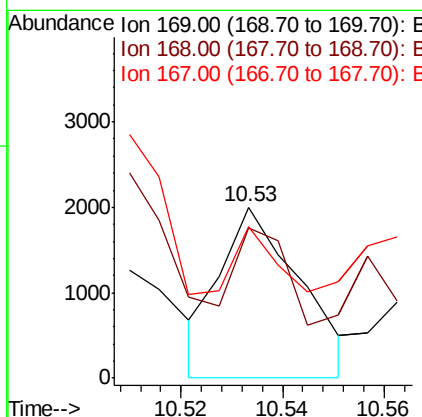
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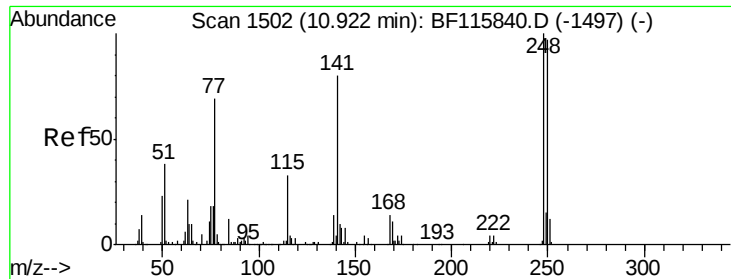
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#66
 n-Nitrosodiphenylamine
 Concen: 0.273 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.02 min
 Lab File: BF116038.D
 Acq: 7 Aug 2019 4:32

Tgt Ion:	169	Resp:	2187
Ion Ratio		Lower	Upper
169	100		
168	88.0	53.0	79.6#
167	88.9	29.9	44.9#





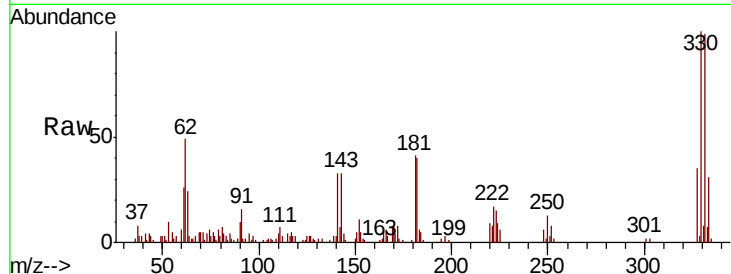
#67
 4-Bromophenyl-phenylether
 Concen: 0.627 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.25 min
 Lab File: BF116038.D
 Acq: 7 Aug 2019 4:32

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-080219-B

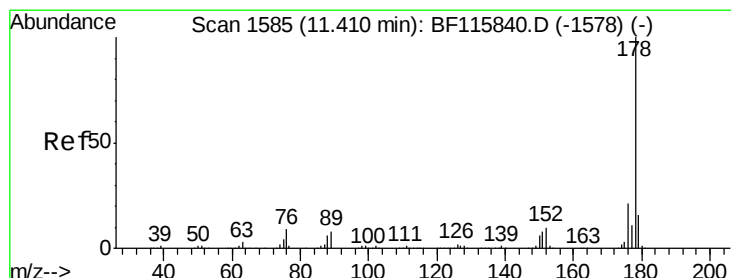
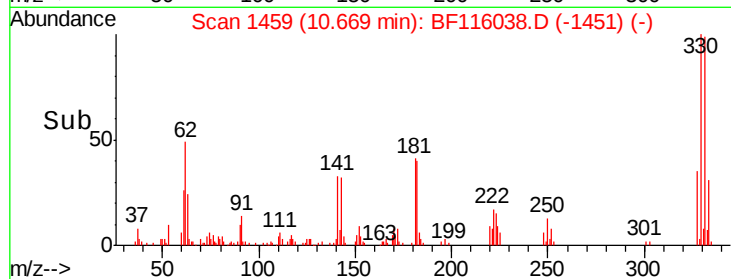
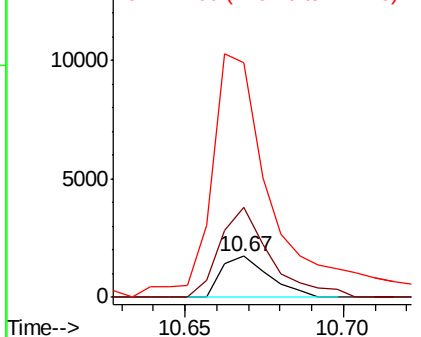
Tot Ion:	248	Resp:	1785
Ion Ratio	Lower	Upper	
248	100		
250	220.2	77.8	116.6#
141	572.5	64.3	96.5#

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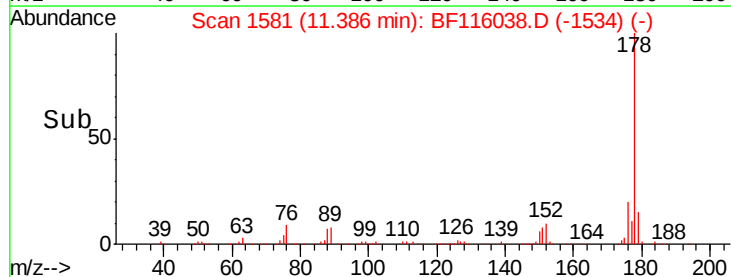
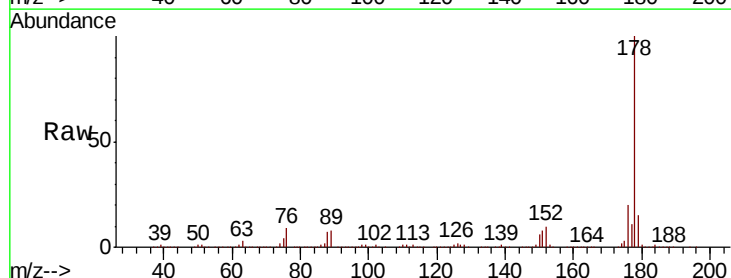
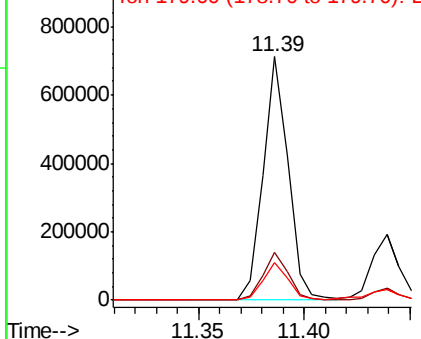
Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

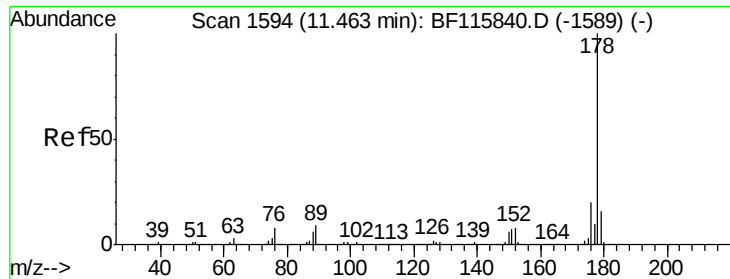


#71
 Phenanthrene
 Concen: 43.370 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.02 min
 Lab File: BF116038.D
 Acq: 7 Aug 2019 4:32

Tgt Ion:	178	Resp:	589928
Ion Ratio	Lower	Upper	
178	100		
176	19.7	16.5	24.7
179	15.4	12.6	18.8

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





#72

Anthracene

Concen: 13.080 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.02 min

Lab File: BF116038.D

Acq: 7 Aug 2019 4:32

Instrument :

BNA_F

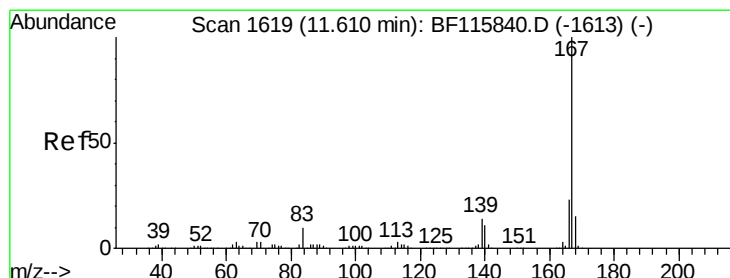
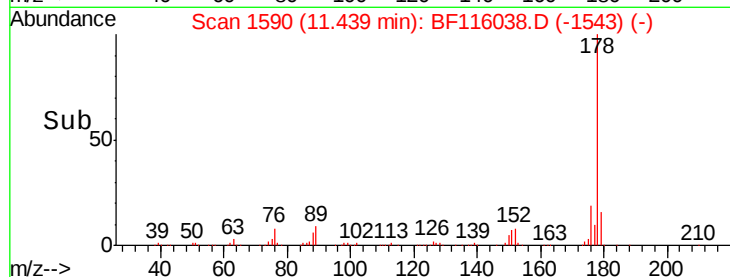
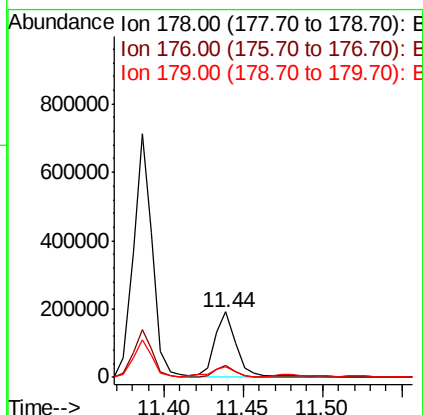
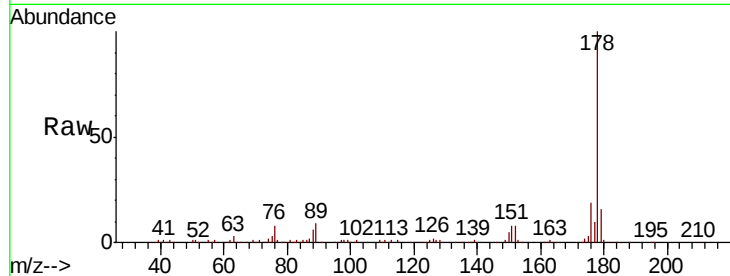
ClientSampleId :

SU-02-080219-B

Tot Ion:	178	Resp:	180066
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.7	23.5
179	15.9	12.4	18.6

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#73

Carbazole

Concen: 4.442 ng

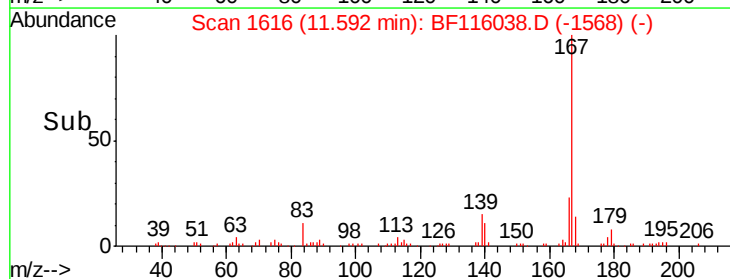
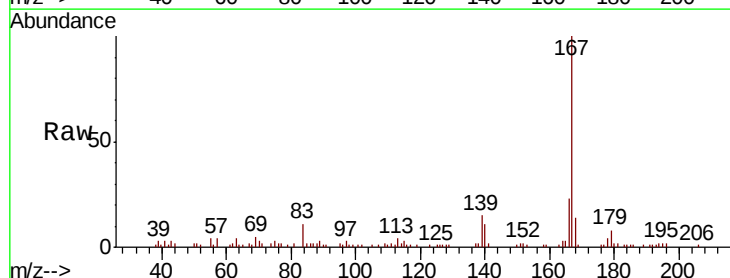
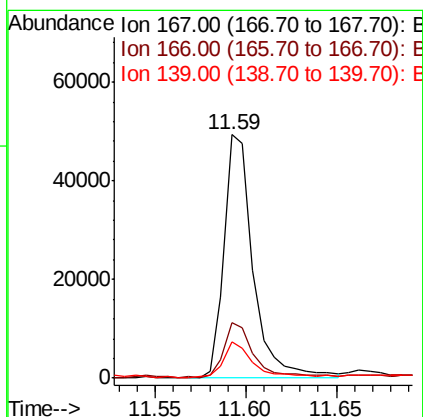
RT: 11.59 min Scan# 1616

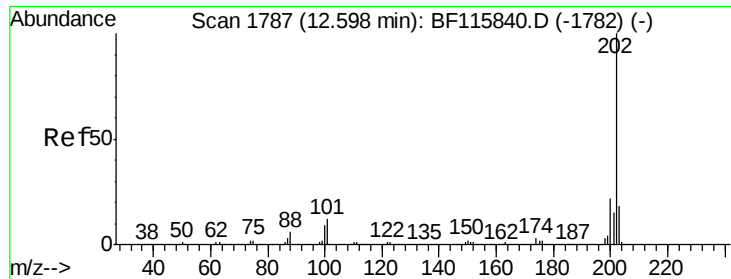
Delta R.T. -0.02 min

Lab File: BF116038.D

Acq: 7 Aug 2019 4:32

Tgt Ion:	167	Resp:	55478
Ion Ratio	Lower	Upper	
167	100		
166	23.0	18.0	27.0
139	14.8	11.4	17.2





#75

Fluoranthene

Concen: 53.139 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.02 min

Lab File: BF116038.D

Acq: 7 Aug 2019 4:32

Instrument :

BNA_F

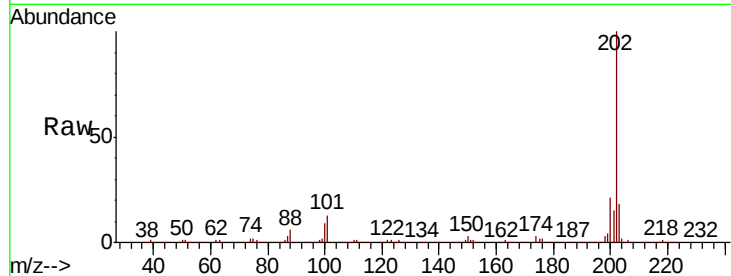
ClientSampleId :

SU-02-080219-B

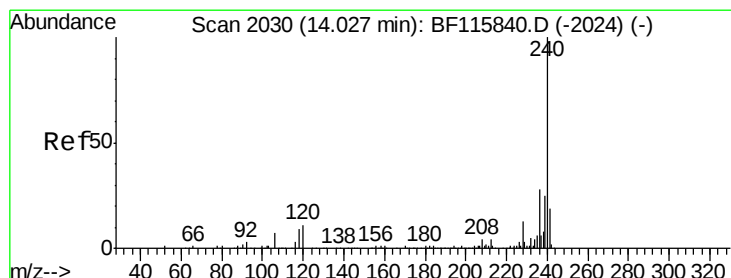
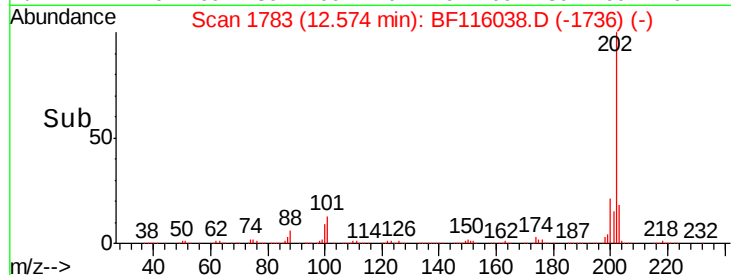
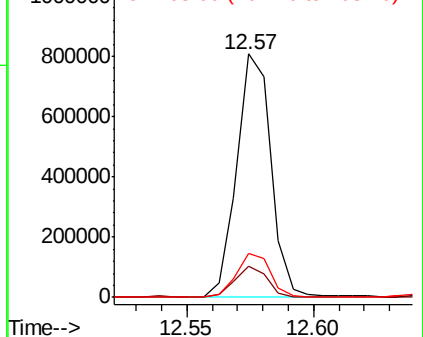
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.8	0.0	31.5
203	18.0	0.0	37.9

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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: 20.000 ng

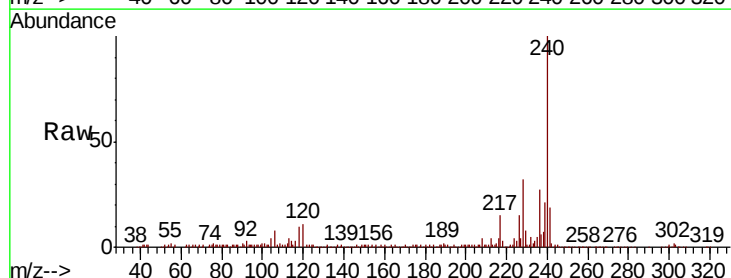
RT: 14.00 min Scan# 2026

Delta R.T. -0.02 min

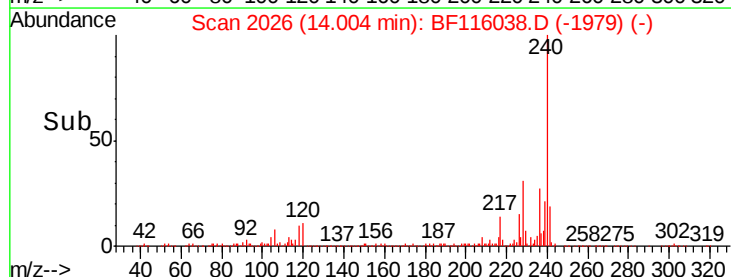
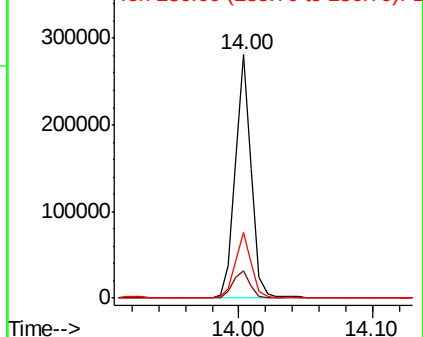
Lab File: BF116038.D

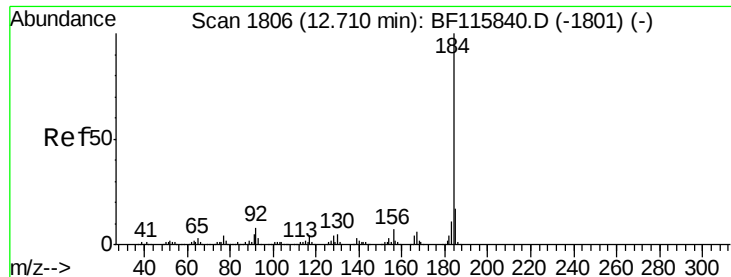
Acq: 7 Aug 2019 4:32

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.4	8.5	12.7
236	26.8	22.2	33.2



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





#77

Benzidine

Concen: 0.028 ng

RT: 12.89 min Scan# 1837

Delta R.T. 0.18 min

Lab File: BF116038.D

Acq: 7 Aug 2019 4:32

Instrument :

BNA_F

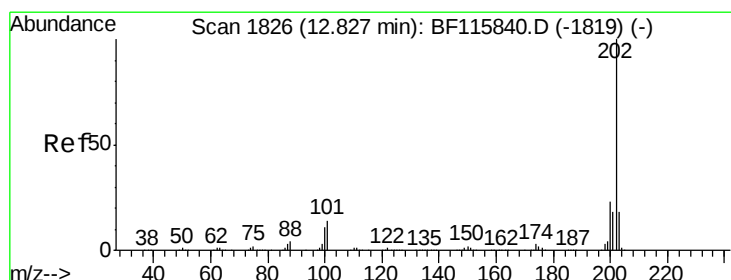
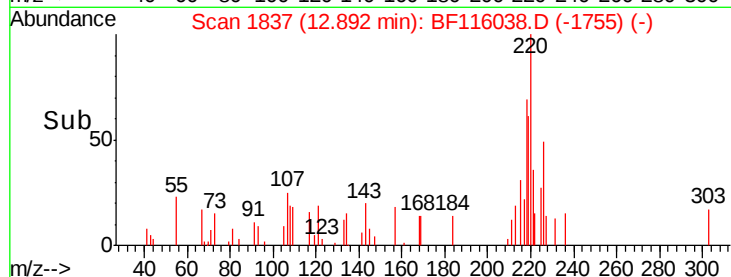
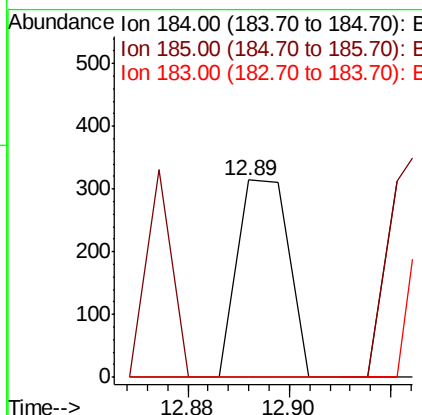
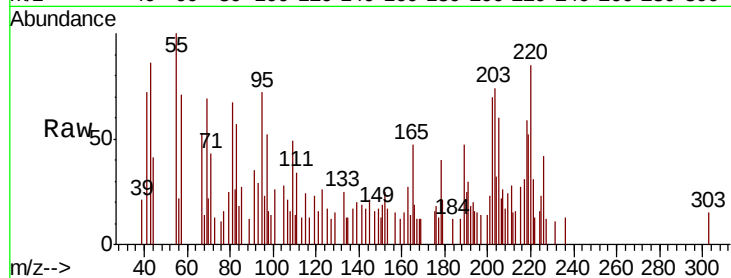
ClientSampleId :

SU-02-080219-B

Tot Ion:	184	Resp:	220
Ion Ratio	Lower	Upper	
184	100		
185	0.0	13.4	20.2#
183	0.0	9.1	13.7#

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#78

Pyrene

Concen: 38.018 ng

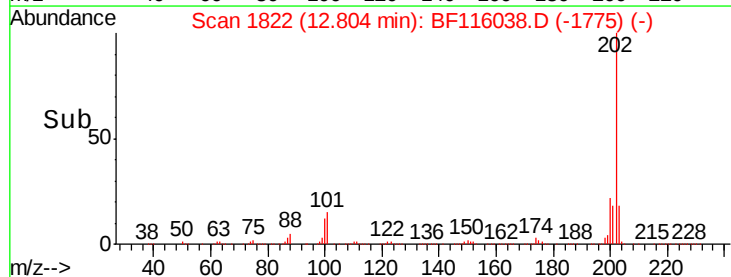
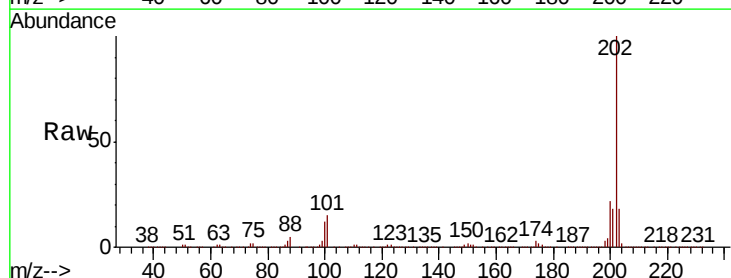
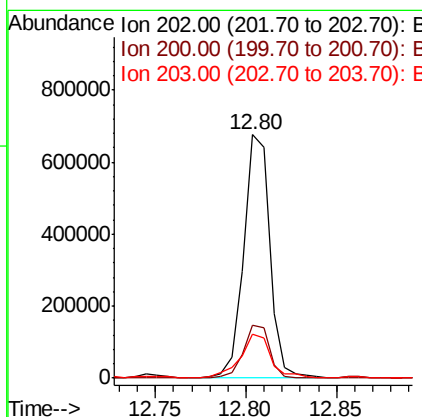
RT: 12.80 min Scan# 1822

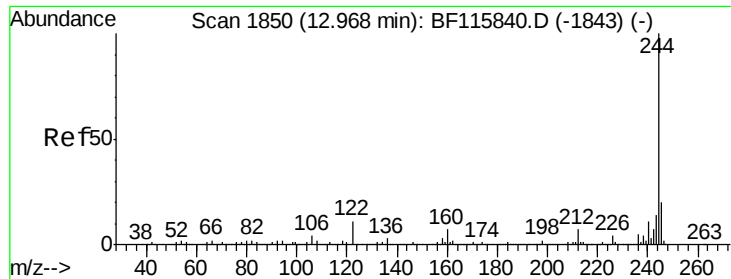
Delta R.T. -0.02 min

Lab File: BF116038.D

Acq: 7 Aug 2019 4:32

Tgt Ion:	202	Resp:	674274
Ion Ratio	Lower	Upper	
202	100		
200	21.9	18.2	27.2
203	18.1	14.3	21.5





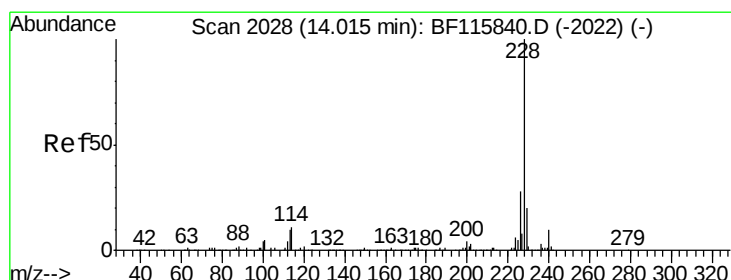
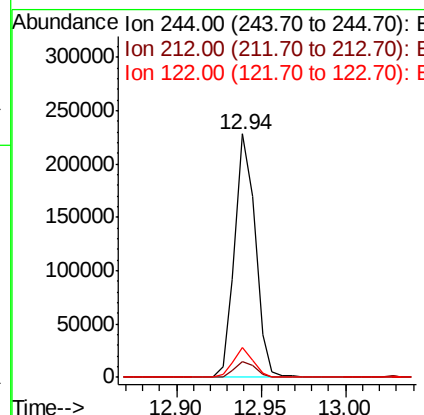
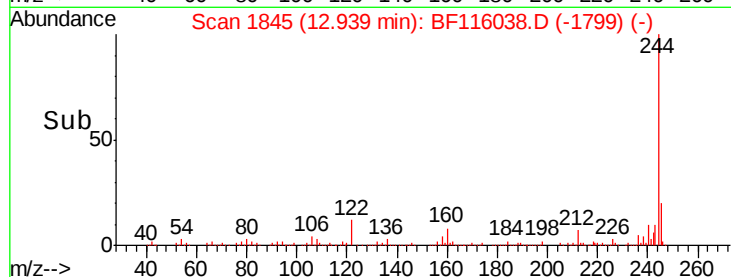
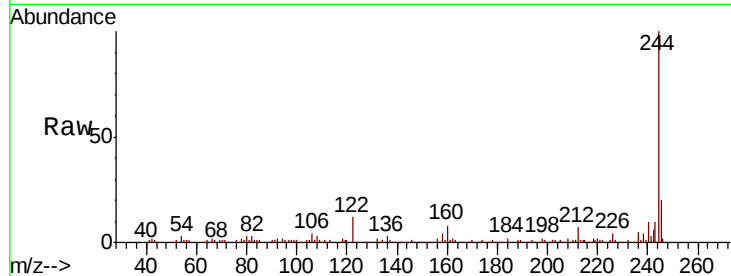
#79
 Terphenyl-d14
 Concen: 17.481 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.03 min
 Lab File: BF116038.D
 Acq: 7 Aug 2019 4:32

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-080219-B

Tot Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.7	5.6	8.4
122	12.2	8.6	13.0

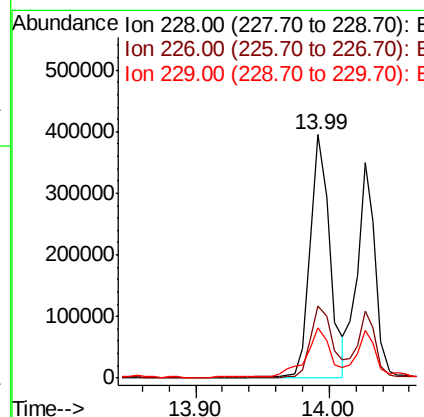
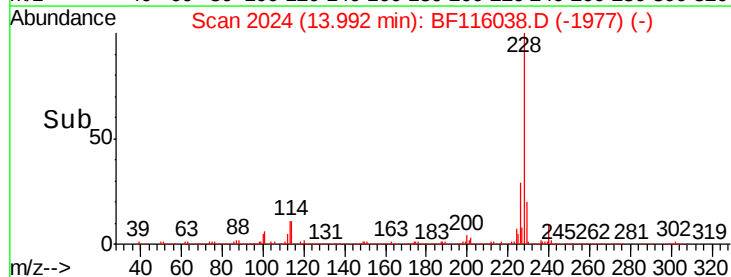
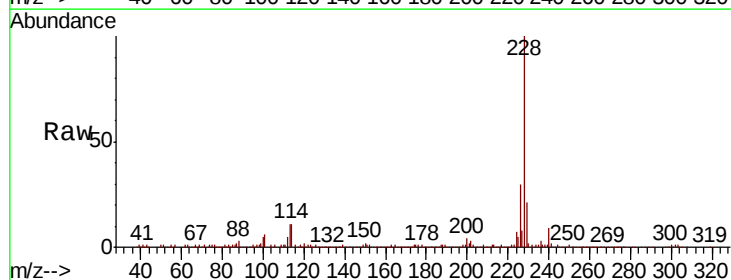
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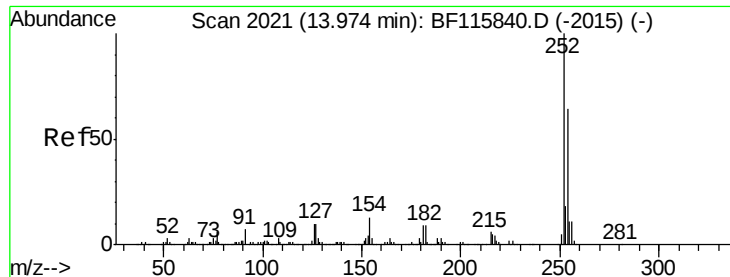
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#81
 Benzo(a)anthracene
 Concen: 26.444 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.02 min
 Lab File: BF116038.D
 Acq: 7 Aug 2019 4:32

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	29.6	22.5	33.7
229	20.8	16.1	24.1





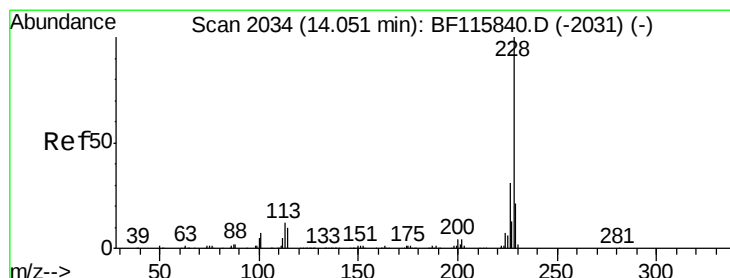
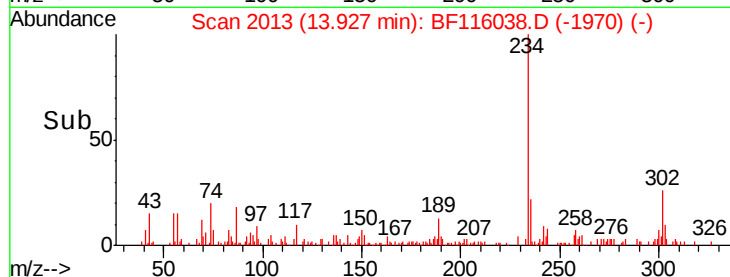
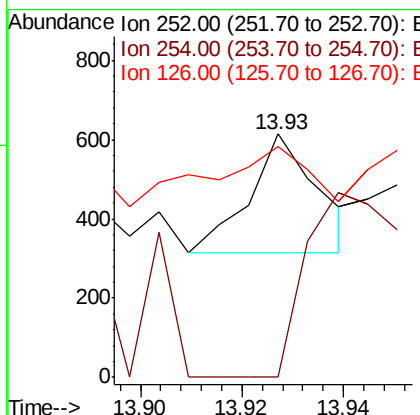
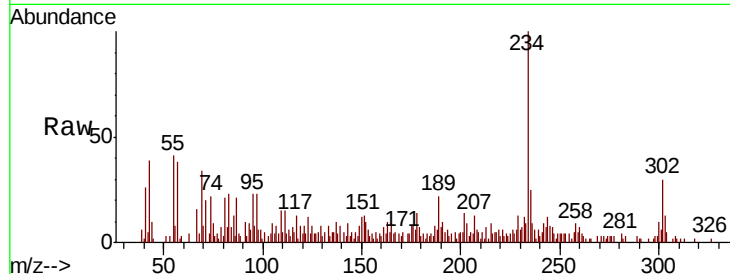
#82
 3,3'-Dichlorobenzidine
 Concen: 0.053 ng
 RT: 13.93 min Scan# 2013
 Delta R.T. -0.05 min
 Lab File: BF116038.D
 Acq: 7 Aug 2019 4:32

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-080219-B

Tot Ion	Ratio	Lower	Upper
252	100		
254	0.0	51.2	76.8#
126	95.1	8.1	12.1#

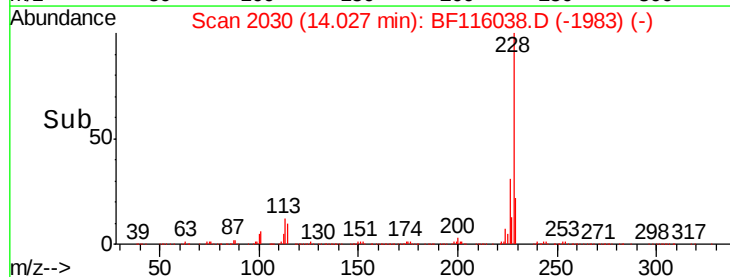
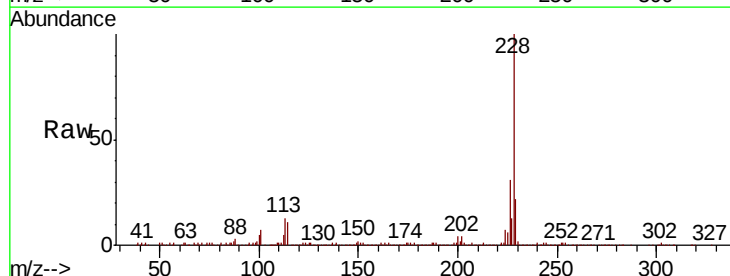
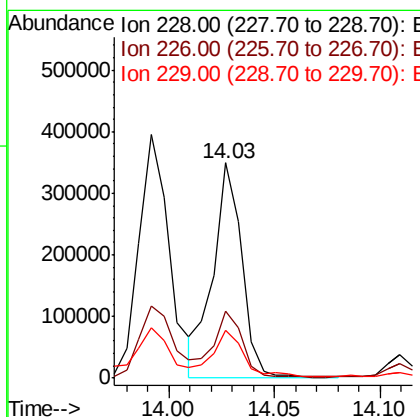
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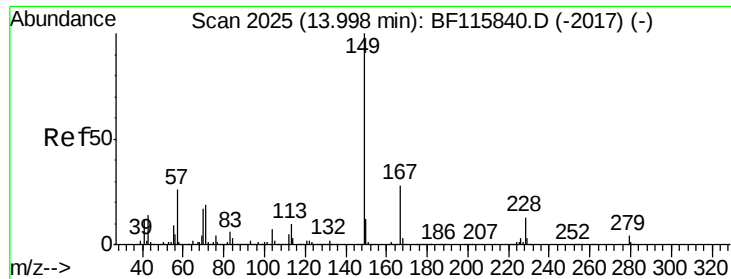
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#83
 Chrysene
 Concen: 22.666 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.02 min
 Lab File: BF116038.D
 Acq: 7 Aug 2019 4:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.8	37.2
229	22.5	16.4	24.6





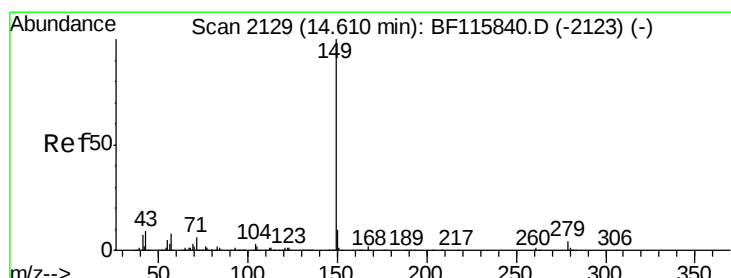
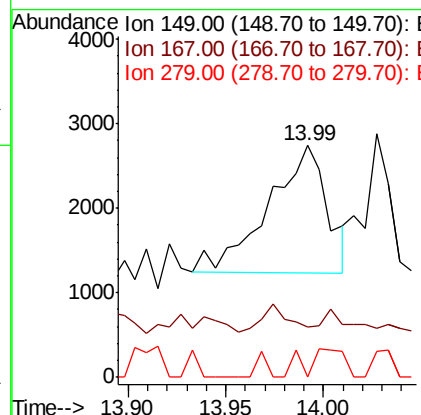
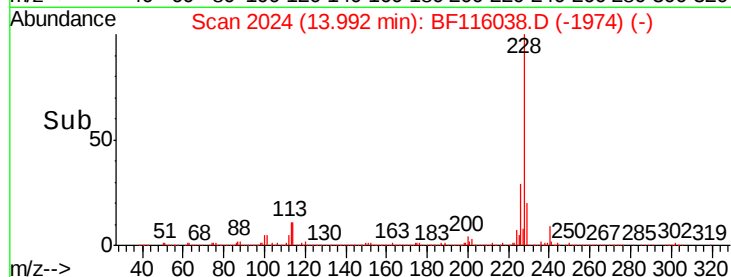
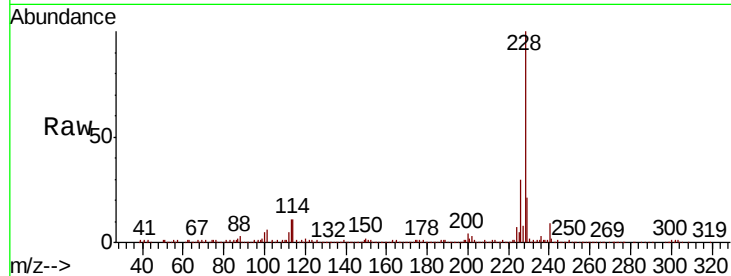
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 0.324 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF116038.D
 Acq: 7 Aug 2019 4:32

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-080219-B

Tot Ion:	149	Resp:	3159
Ion Ratio	Lower	Upper	
149	100		
167	21.9	22.4	33.6#
279	0.0	3.3	4.9#

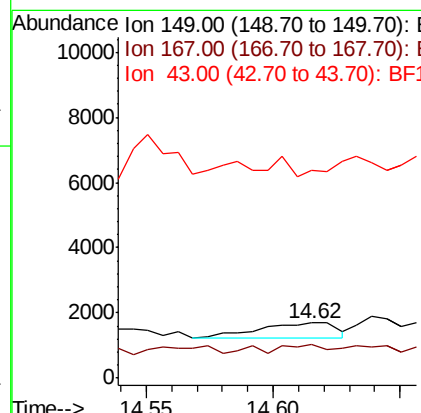
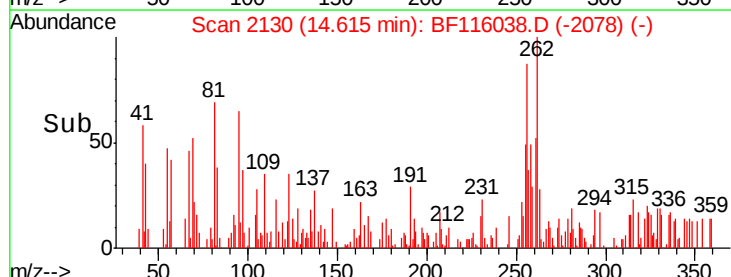
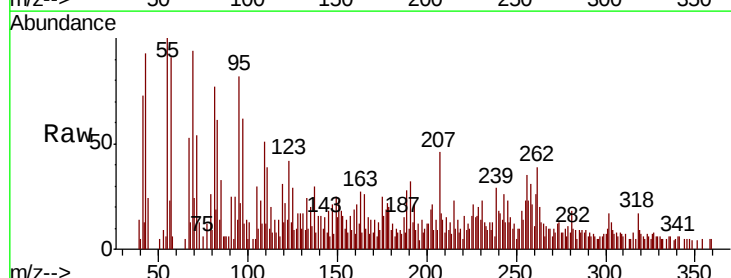
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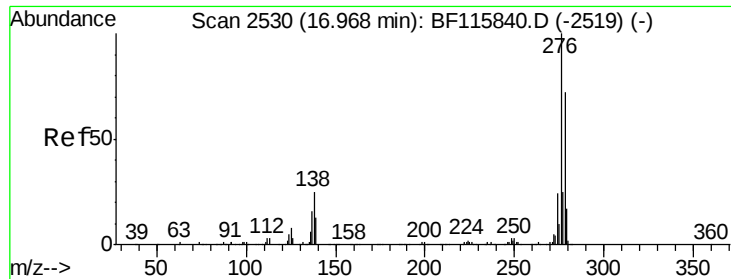
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#85
 Di-n-octyl phthalate
 Concen: 0.067 ng
 RT: 14.62 min Scan# 2130
 Delta R.T. 0.01 min
 Lab File: BF116038.D
 Acq: 7 Aug 2019 4:32

Tgt Ion:	149	Resp:	1034
Ion Ratio	Lower	Upper	
149	100		
167	26.8	1.2	1.8#
43	0.0	7.4	11.0#





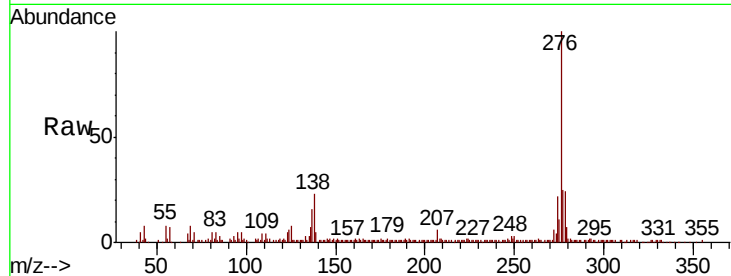
#86
Indeno(1,2,3-cd)pyrene
Concen: 11.455 ng
RT: 16.93 min Scan# 2524
Delta R.T. -0.04 min
Lab File: BF116038.D
Acq: 7 Aug 2019 4:32

Instrument :
BNA_F
ClientSampleId :
SU-02-080219-B

Tot Ion	Ratio	Resp	Lower	Upper
276	100	140469		
138	21.3	19.6	29.4	
277	23.7	20.1	30.1	

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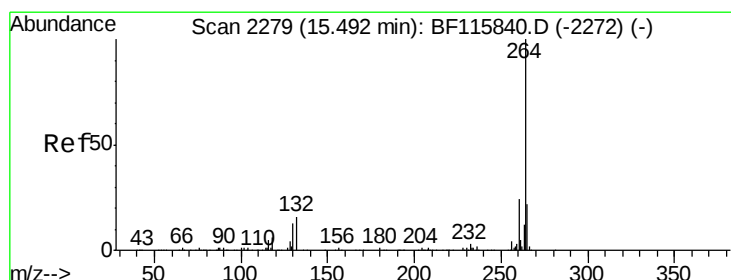
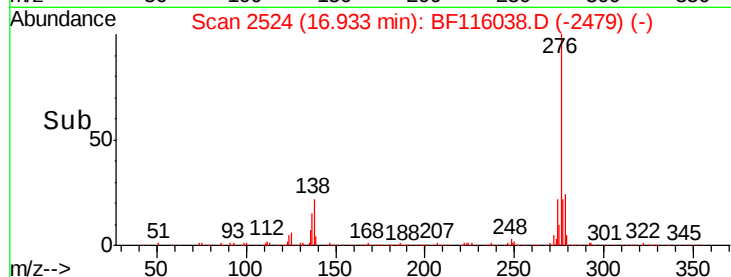
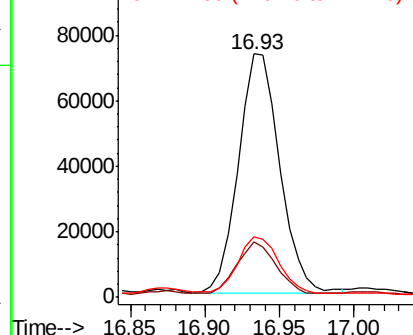


Abundance

Ion 276.00 (275.70 to 276.70): E

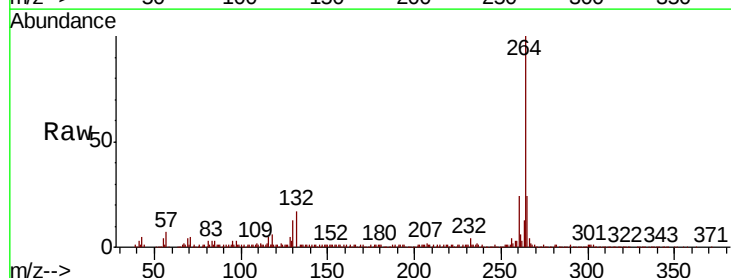
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.02 min
Lab File: BF116038.D
Acq: 7 Aug 2019 4:32

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	250686		
260	24.4	19.4	29.2	
265	23.7	17.5	26.3	

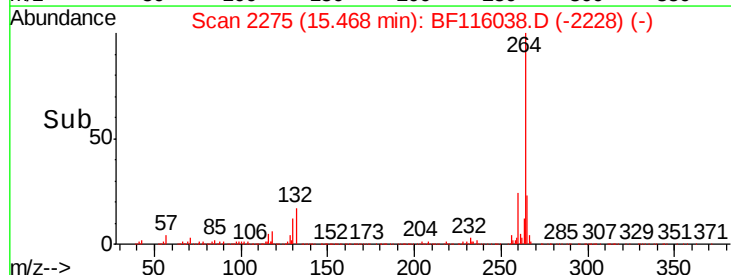
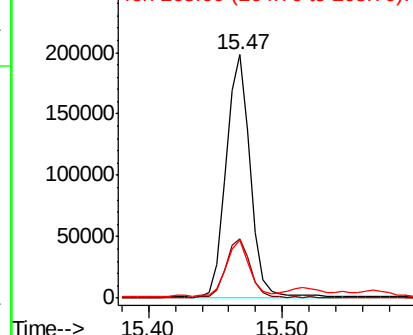


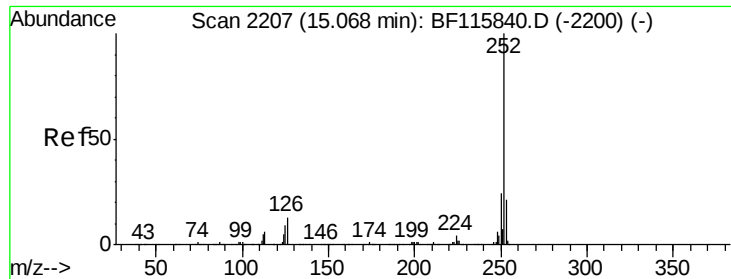
Abundance

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





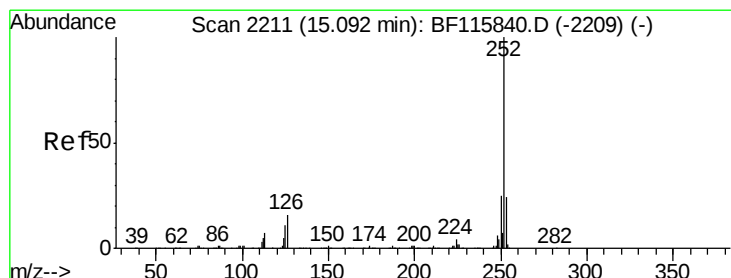
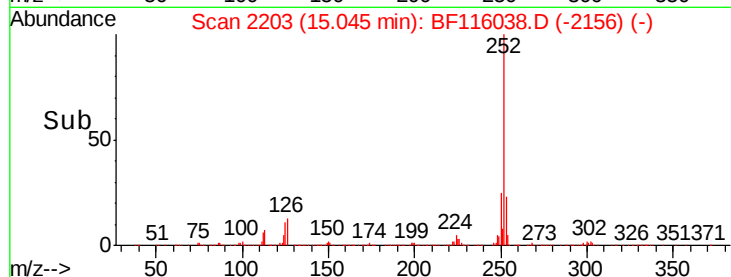
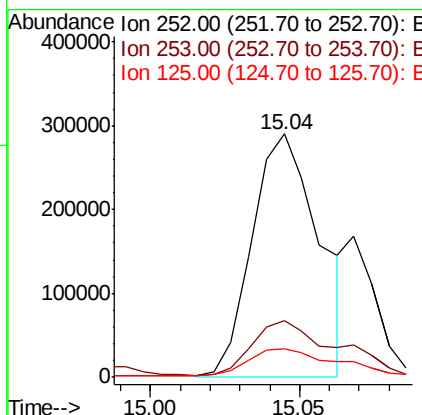
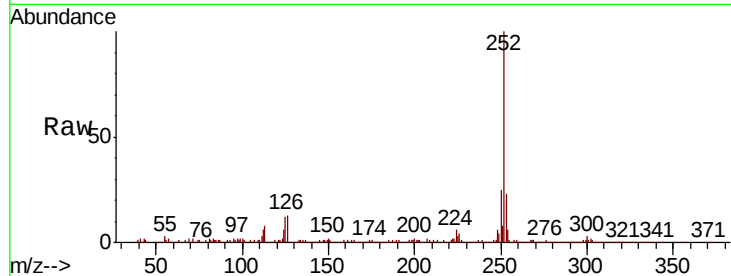
#88
Benzo(b)fluoranthene
Concen: 31.259 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.02 min
Lab File: BF116038.D
Acq: 7 Aug 2019 4:32

Instrument :
BNA_F
ClientSampleId :
SU-02-080219-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.2	25.8
125	11.7	7.4	11.0

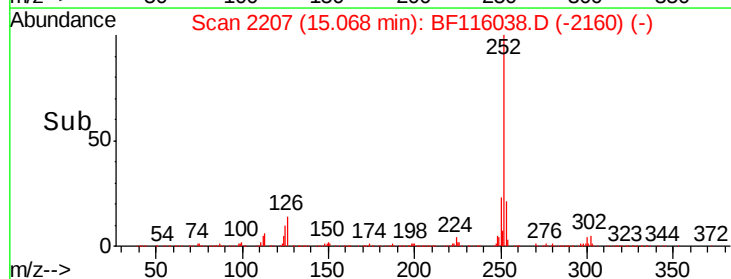
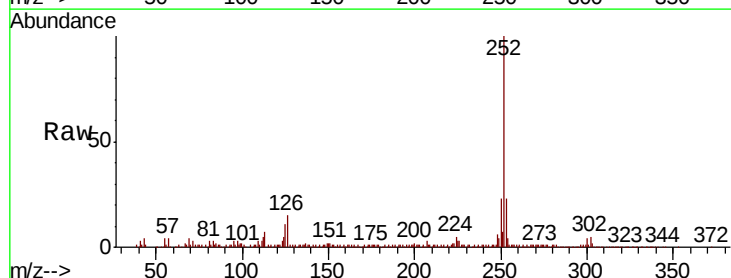
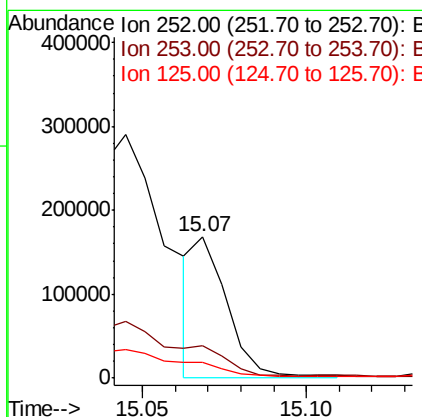
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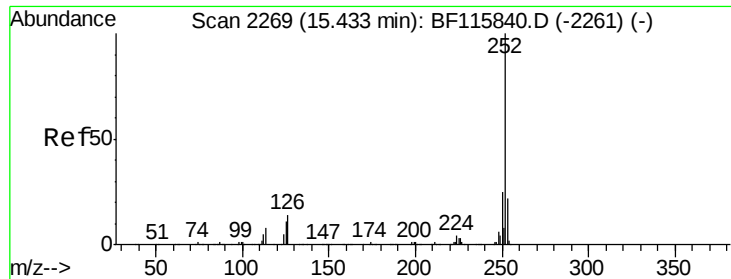
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#89
Benzo(k)fluoranthene
Concen: 8.499 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.02 min
Lab File: BF116038.D
Acq: 7 Aug 2019 4:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.4
125	11.1	8.9	13.3





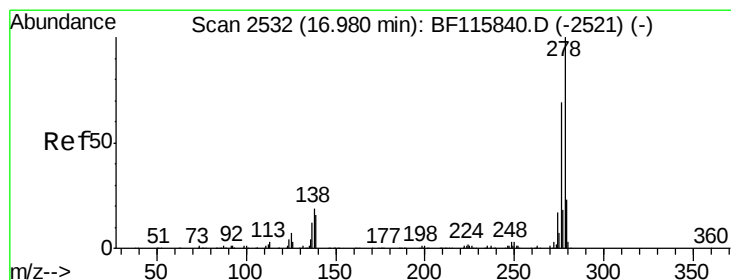
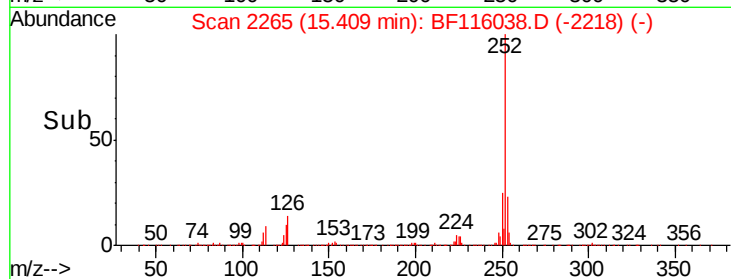
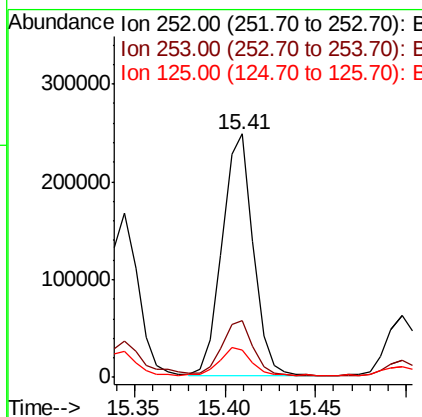
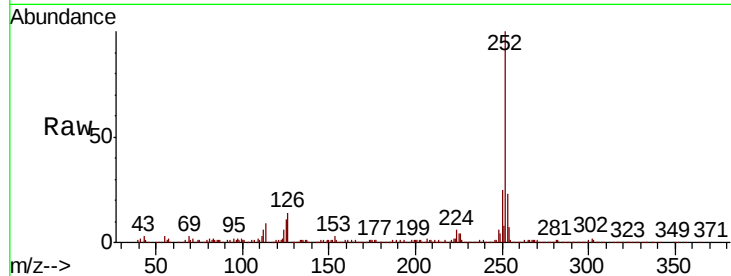
#90
Benzo(a)pyrene
Concen: 22.819 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.02 min
Lab File: BF116038.D
Acq: 7 Aug 2019 4:32

Instrument :
BNA_F
ClientSampleId :
SU-02-080219-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.6
125	11.2	8.8	13.2

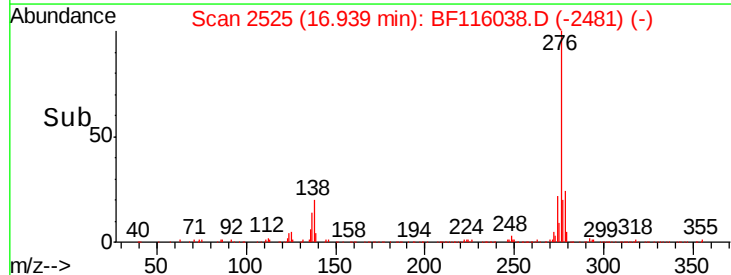
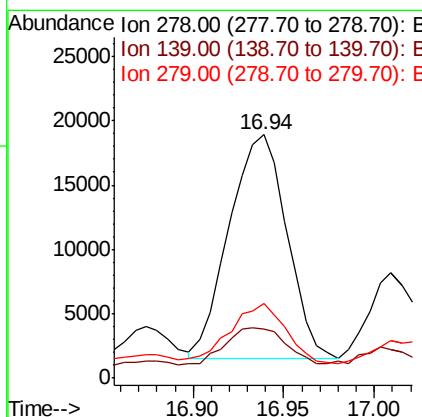
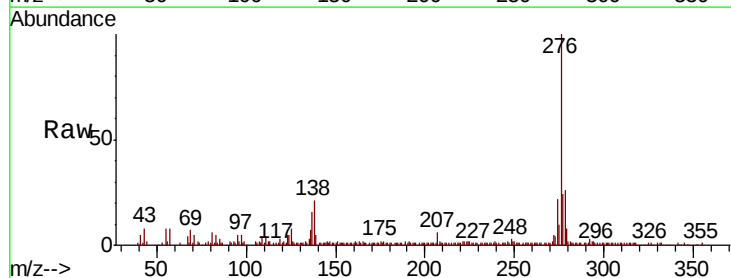
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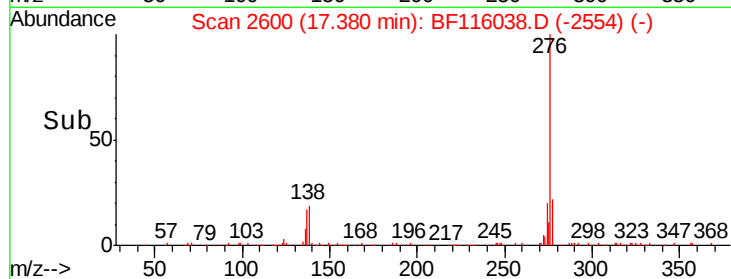
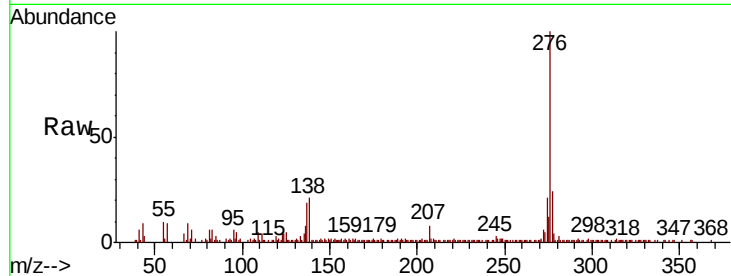
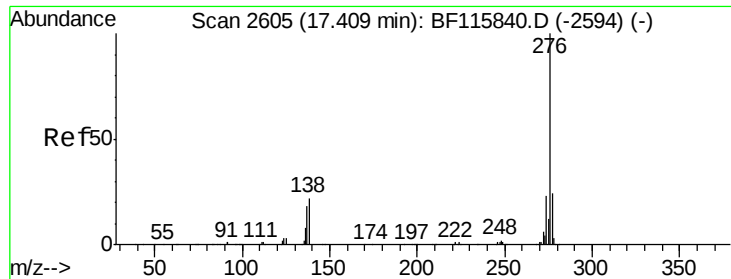
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 3.418 ng
RT: 16.94 min Scan# 2525
Delta R.T. -0.04 min
Lab File: BF116038.D
Acq: 7 Aug 2019 4:32

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.1	12.6	19.0#
279	30.7	18.8	28.2#





#92
 Benzo(a,h,i)perylene
 Concen: 11.340 ng
 RT: 17.38 min Scan# 2600
 Delta R.T. -0.03 min
 Lab File: BF116038.D
 Acq: 7 Aug 2019 4:32

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-080219-B

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	24.4	19.5	29.3
138	21.3	17.8	26.8

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