

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
 Data File : BF116035.D
 Acq On : 7 Aug 2019 3:12
 Operator : HP/JU
 Sample : K4162-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 RT-3407

Manual Integrations
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mohammad
 8/7/2019 4:42:14 PM

Quant Time: Aug 07 06:42:21 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	133695	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	508578	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	264024	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	434851	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	313102	20.00	ng	-0.02
87) Perylene-d12	15.47	264	391335	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	730520	91.47	ng	0.00
7) Phenol-d6	6.47	99	966382	95.91	ng	-0.01
23) Nitrobenzene-d5	7.40	82	622341	70.64	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	186013	72.67	ng	-0.02
45) 2-Fluorobiphenyl	9.20	172	1096521	77.79	ng	-0.02
79) Terphenyl-d14	12.94	244	1018291	68.53	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.62	93	1150	0.080	ng	# 1
9) Benzaldehyde	6.48	77	1550	0.223	ng	# 1
10) Phenol	6.49	94	4551	0.384	ng	# 1
11) bis(2-Chloroethyl)ether	6.62	93	1150	0.132	ng	# 1
15) Benzyl Alcohol	7.00	79	10146	1.327	ng	# 45
22) Acetophenone	7.27	105	517	0.046	ng	# 52
24) Nitrobenzene	7.40	77	1815	0.191	ng	# 35
31) Naphthalene	8.15	128	7959	0.333	ng	# 97
33) 4-Chloroaniline	8.15	127	863	0.081	ng	# 39
37) 2-Methylnaphthalene	8.93	142	1717	0.109	ng	# 85
38) 1-Methylnaphthalene	8.93	142	1717	0.115	ng	# 87
46) 1,1'-Biphenyl	9.30	154	3991	0.214	ng	# 92
47) 2-Chloronaphthalene	9.59	162	703	0.045	ng	# 1
48) 2-Nitroaniline	9.59	65	1565	0.305	ng	# 1
49) Acenaphthylene	9.74	152	7086	0.313	ng	# 98
50) Dimethylphthalate	9.59	163	175372	9.755	ng	# 98
51) 2,6-Dinitrotoluene	9.59	165	1834	0.469	ng	# 1
52) Acenaphthene	9.91	154	5751	0.414	ng	# 98
55) Dibenzofuran	10.09	168	9109	0.451	ng	# 97
56) 4-Nitrophenol	10.09	139	3664	1.185	ng	# 22
58) Fluorene	10.43	166	11345	0.730	ng	# 98
60) Diethylphthalate	10.28	149	4637	0.276	ng	# 84
61) 4-Chlorophenyl-phenylether	10.41	204	107	0.014	ng	# 22
62) 4-Nitroaniline	10.66	138	121	0.024	ng	# 1
63) Azobenzene	10.57	77	973	0.056	ng	# 9
65) 4,6-Dinitro-2-methylphenol	10.66	198	314	0.136	ng	# 1
66) n-Nitrosodiphenylamine	10.53	169	1568	0.120	ng	# 96
71) Phenanthrene	11.39	178	73680	3.314	ng	# 98
73) Carbazole	11.60	167	8197	0.402	ng	# 76
74) Di-n-butylphthalate	11.91	149	5940	0.249	ng	# 83
75) Fluoranthene	12.57	202	141461	6.078	ng	# 98
77) Benzidine	12.94	184	14119	1.335	ng	# 95
78) Pvrene	12.80	202	152798	6.474	ng	# 99
80) Butylbenzylphthalate	13.42	149	741	0.074	ng	# 54

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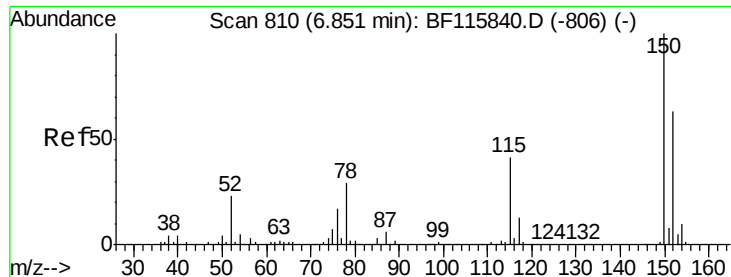
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) Benzo(a)anthracene	13.99	228	53484	2.673	nq	99
82) 3,3'-Dichlorobenzidine	14.03	252	1030	0.148	nq #	1
83) Chrysene	14.03	228	58205	2.996	nq	99
84) Bis(2-ethylhexyl)phthalate	13.97	149	45272	3.489	nq	98
85) Di-n-octyl phthalate	14.58	149	1086	0.053	nq #	78
86) Indeno(1,2,3-cd)pyrene	16.94	276	23188	1.421	nq #	91
88) Benzo(b)fluoranthene	15.04	252	63656m	2.813	nq	
90) Benzo(a)pyrene	15.40	252	39701	1.963	nq #	95
91) Dibenzo(a,h)anthracene	16.94	278	7186	0.410	nq #	83
92) Benzo(a,h,i)perylene	17.39	276	24281	1.412	nq	99

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



#1

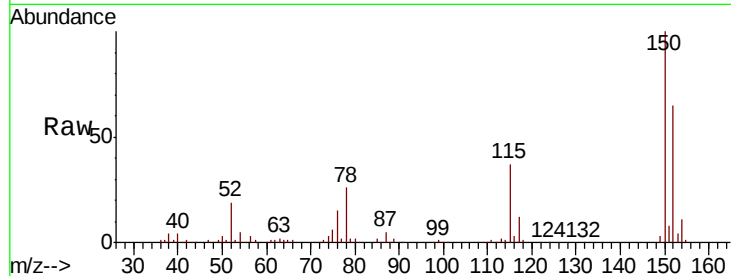
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116035.D
Acq: 7 Aug 2019 3:12

Instrument :
BNA_F
ClientSampled :
RT-3407

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	127.4	191.0
115	57.6	51.8	77.8

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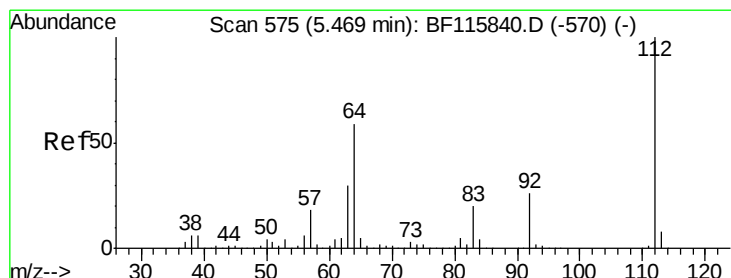
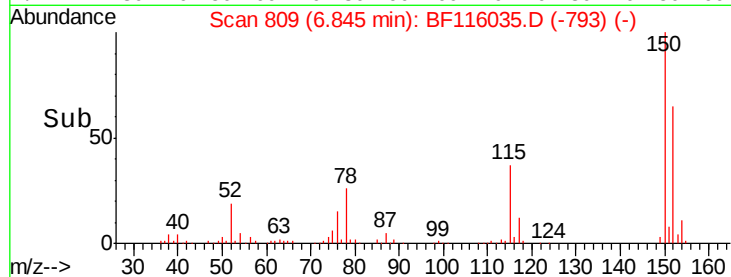
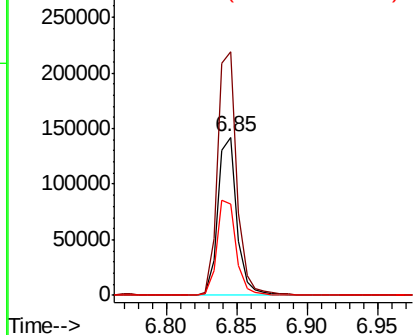


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

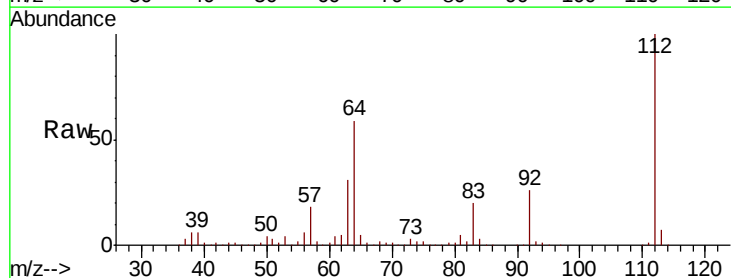
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 91.472 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF116035.D
Acq: 7 Aug 2019 3:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	46.8	70.2
63	31.0	24.2	36.2

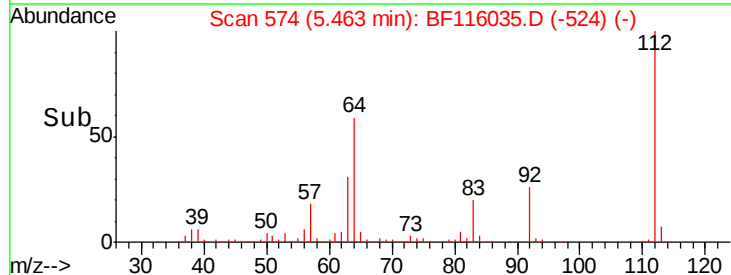
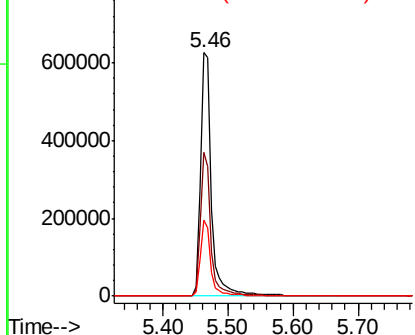


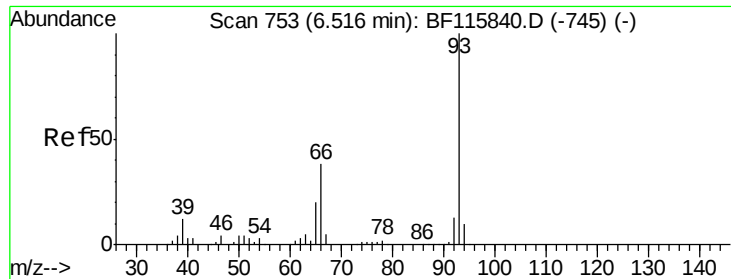
Abundance

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: 0.080 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.10 min

Lab File: BF116035.D

Acq: 7 Aug 2019 3:12

Instrument :

BNA_F

ClientSampleId :

RT-3407

Tot Ion: 93 Resp: 1150

Ion Ratio Lower Upper

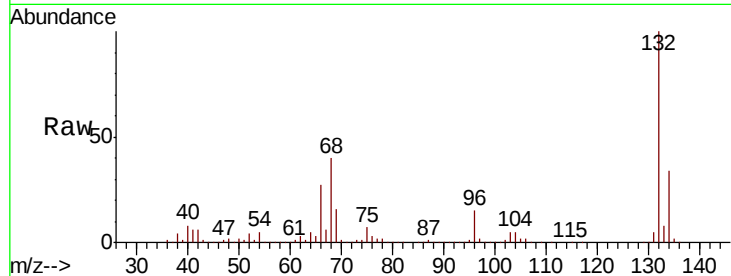
93 100

66 17878.3 31.4 47.7

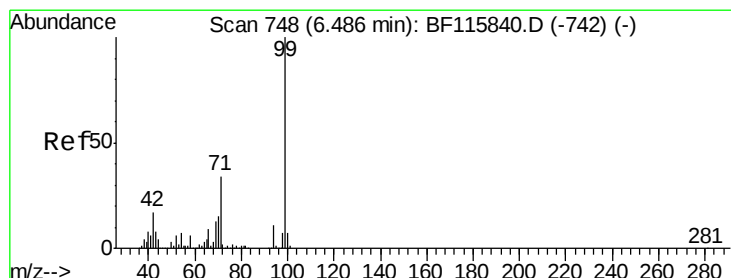
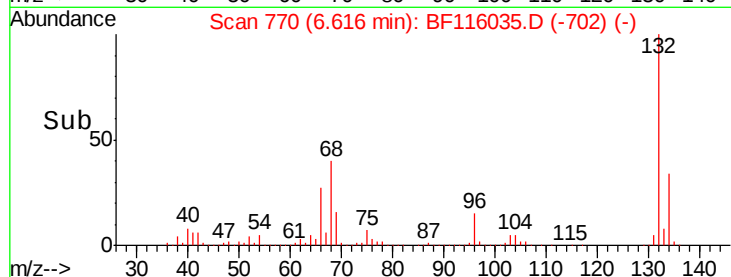
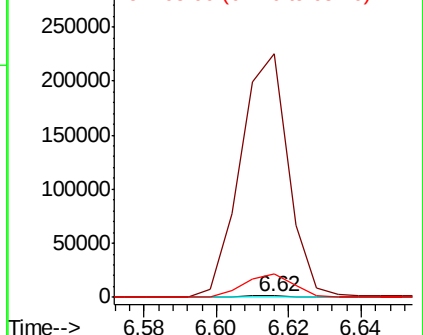
65 1758.2 16.5 24.7

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Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1



#7

Phenol-d6

Concen: 95.909 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116035.D

Acq: 7 Aug 2019 3:12

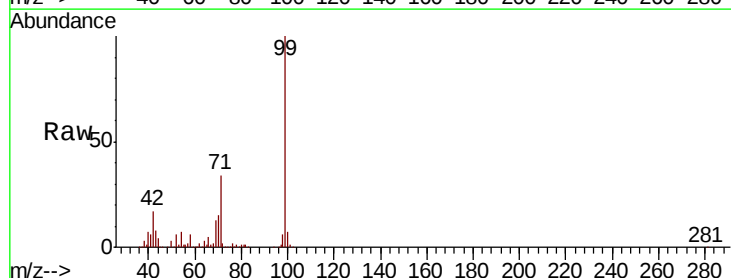
Tgt Ion: 99 Resp: 966382

Ion Ratio Lower Upper

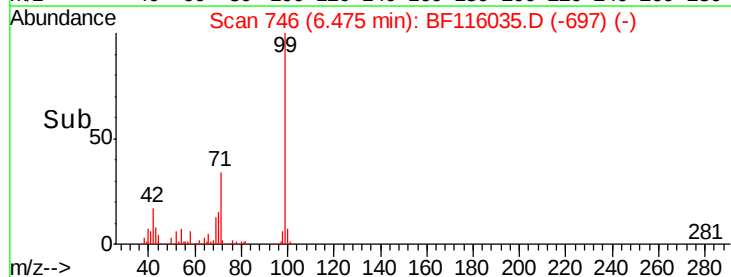
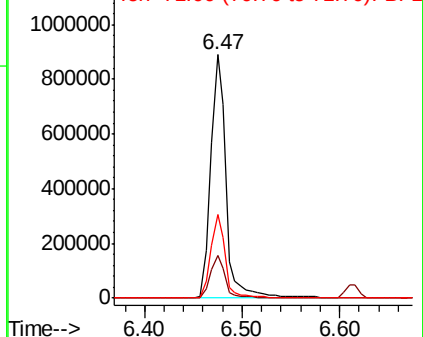
99 100

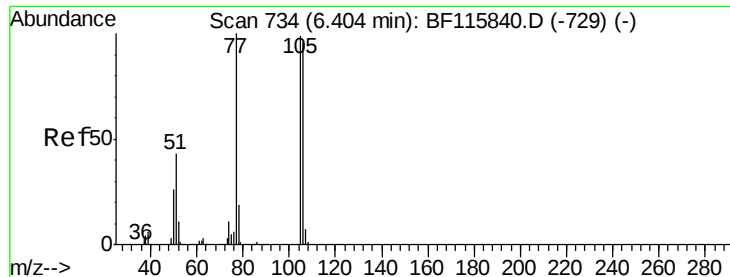
42 17.5 13.8 20.6

71 34.2 27.1 40.7



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1





#9

Benzaldehyde

Concen: 0.223 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.08 min

Lab File: BF116035.D

Acq: 7 Aug 2019 3:12

Instrument :

BNA_F

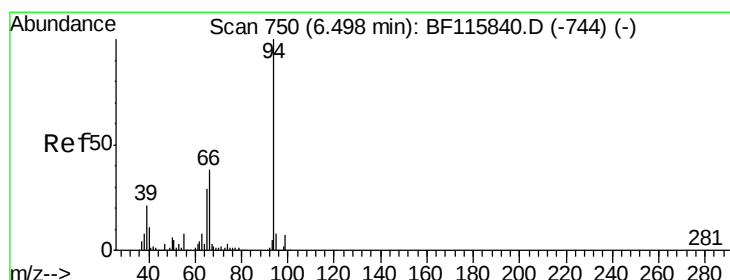
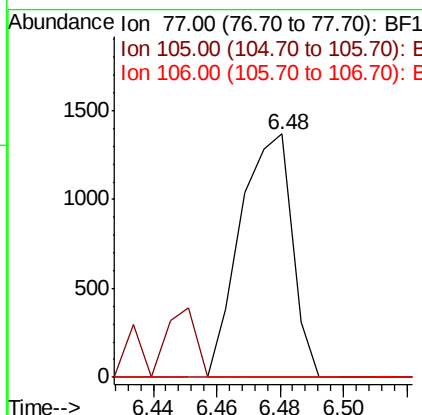
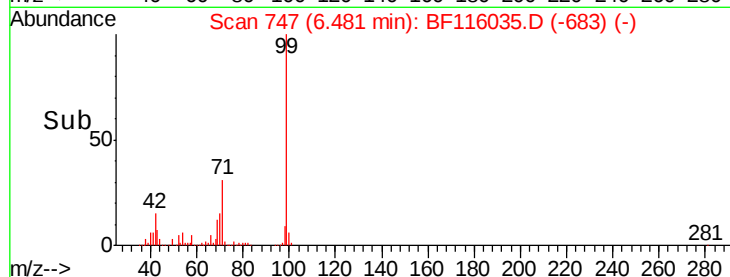
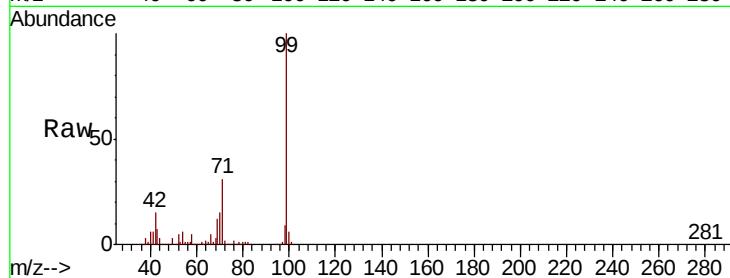
ClientSampleId :

RT-3407

Tot Ion:	77	Resp:	1550
Ion Ratio	Lower	Upper	
77	100		
105	0.0	79.0	119.0#
106	0.0	76.2	116.2#

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#10

Phenol

Concen: 0.384 ng

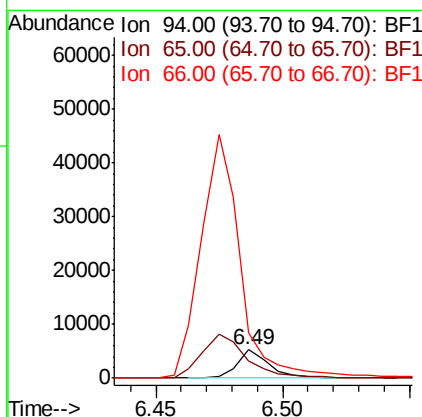
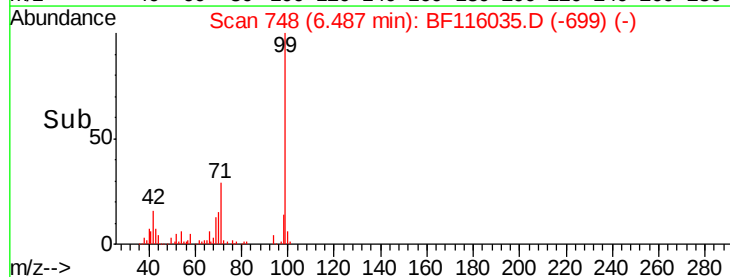
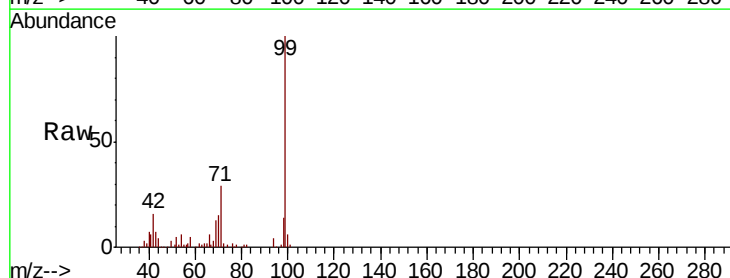
RT: 6.49 min Scan# 748

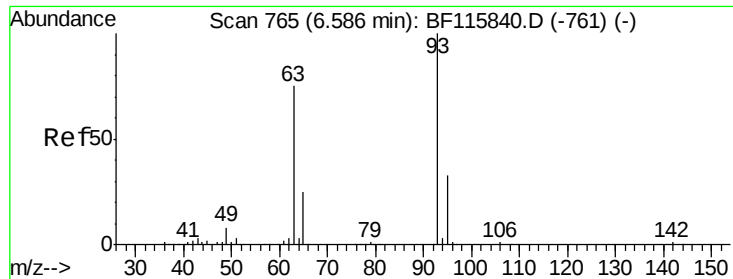
Delta R.T. -0.01 min

Lab File: BF116035.D

Acq: 7 Aug 2019 3:12

Tgt Ion:	94	Resp:	4551
Ion Ratio	Lower	Upper	
94	100		
65	58.5	8.9	48.9#
66	162.5	18.0	58.0#





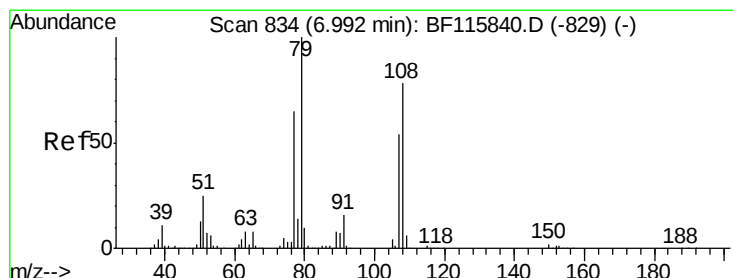
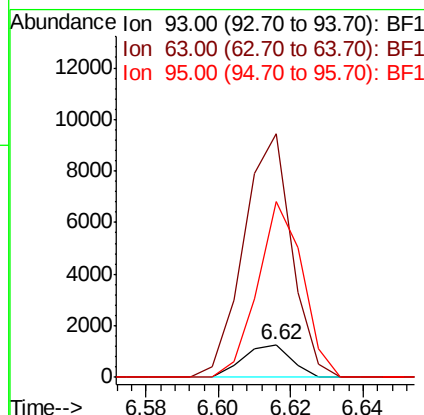
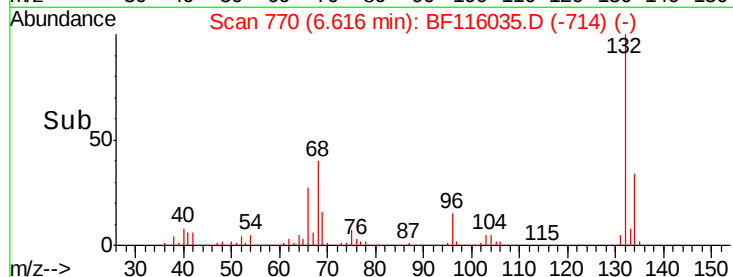
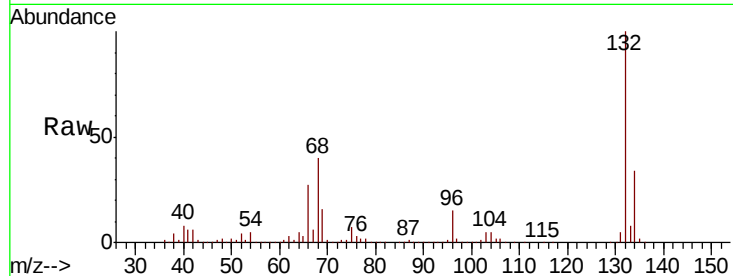
#11
bis(2-Chloroethyl)ether
Concen: 0.132 ng
RT: 6.62 min Scan# 770
Delta R.T. 0.03 min
Lab File: BF116035.D
Acq: 7 Aug 2019 3:12

Instrument :
BNA_F
ClientSampleId :
RT-3407

Tot Ion	Ratio	Lower	Upper
93	100		
63	749.7	54.9	94.9#
95	543.1	13.3	53.3#

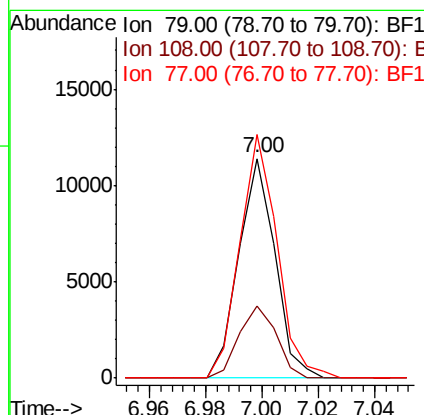
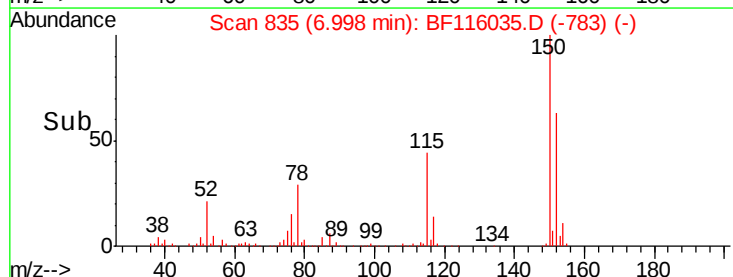
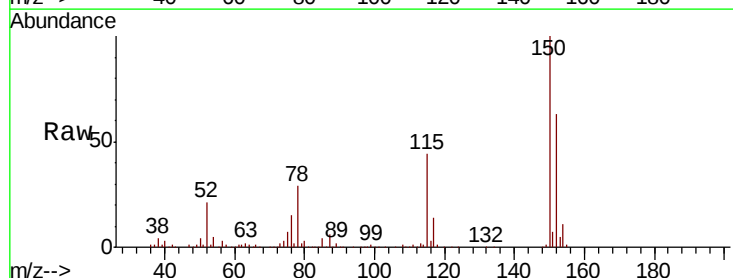
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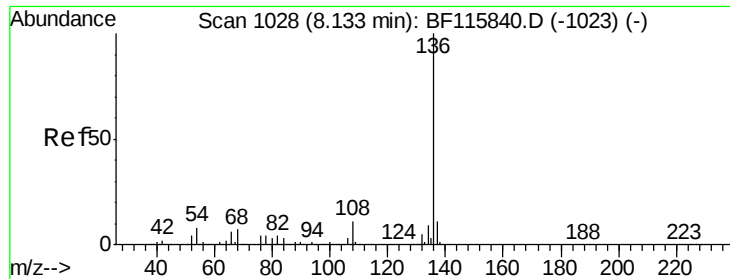
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#15
Benzyl Alcohol
Concen: 1.327 ng
RT: 7.00 min Scan# 835
Delta R.T. 0.01 min
Lab File: BF116035.D
Acq: 7 Aug 2019 3:12

Tgt Ion	Ratio	Lower	Upper
79	100		
108	32.9	62.8	94.2#
77	110.9	52.0	78.0#





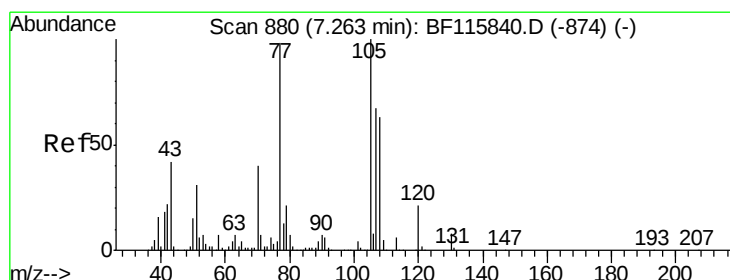
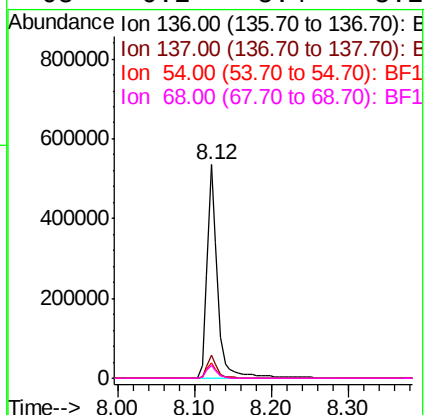
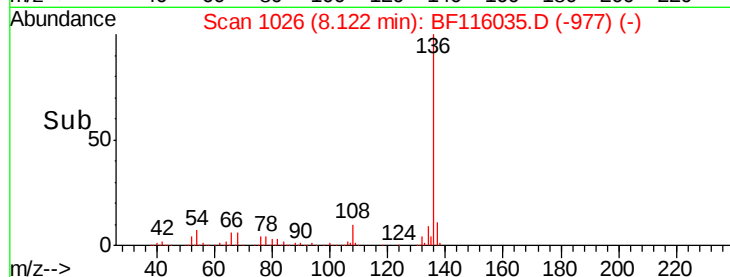
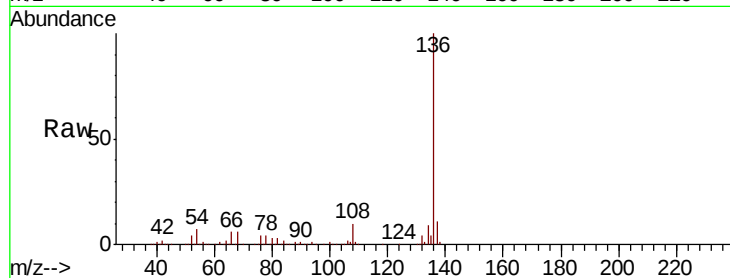
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF116035.D
Acq: 7 Aug 2019 3:12

Instrument :
BNA_F
ClientSampleId :
RT-3407

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	9.1	13.7	
54	7.2	6.1	9.1	
68	6.2	5.4	8.2	

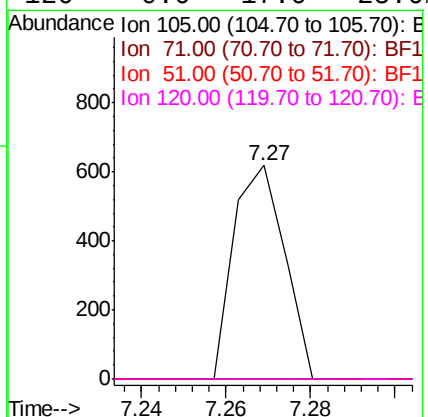
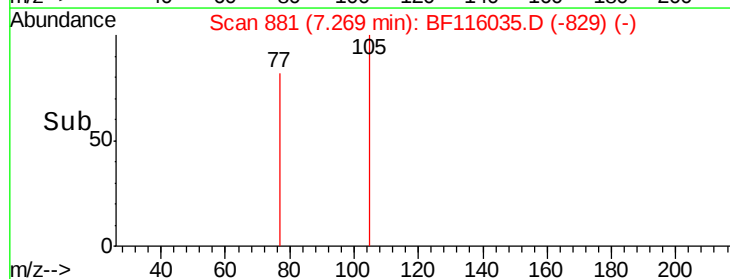
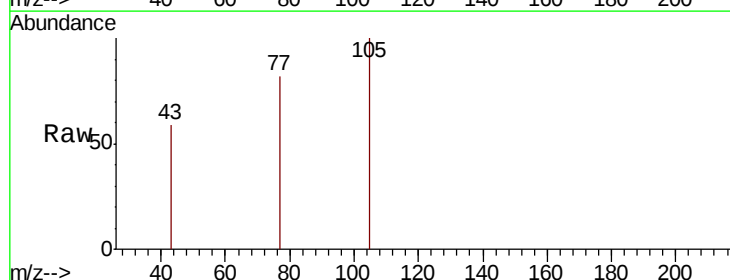
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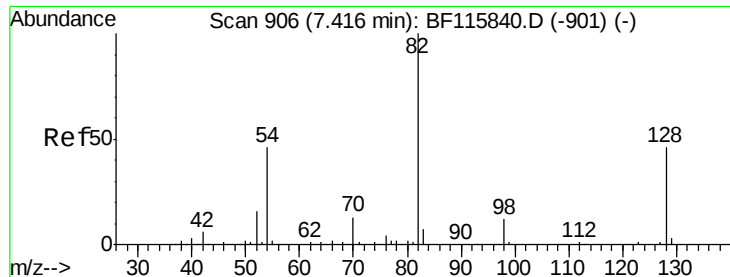
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#22
Acetophenone
Concen: 0.046 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.01 min
Lab File: BF116035.D
Acq: 7 Aug 2019 3:12

Tgt Ion	Ratio	Resp	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#	





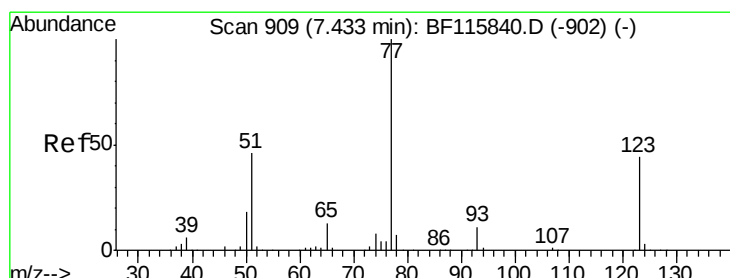
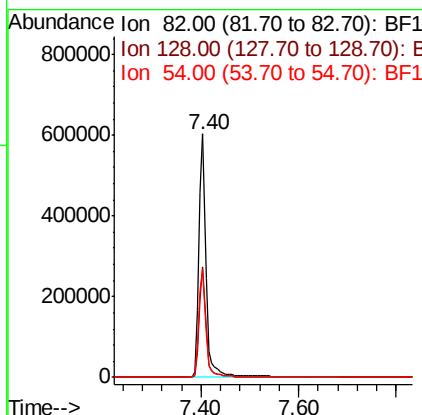
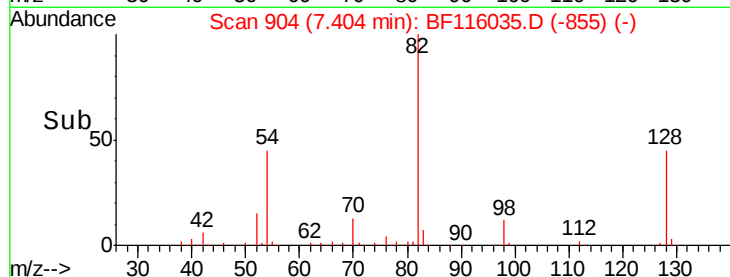
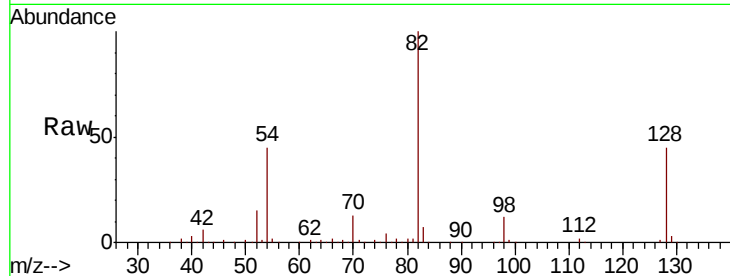
#23
Nitrobenzene-d5
Concen: 70.635 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116035.D
Acq: 7 Aug 2019 3:12

Instrument :
BNA_F
ClientSampleId :
RT-3407

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.4	36.6	55.0
54	44.5	36.6	55.0

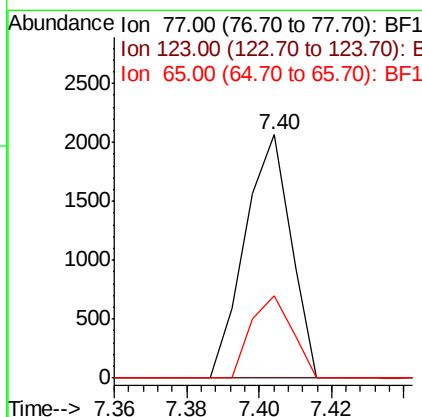
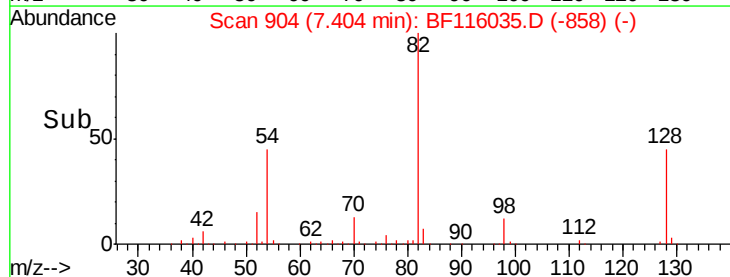
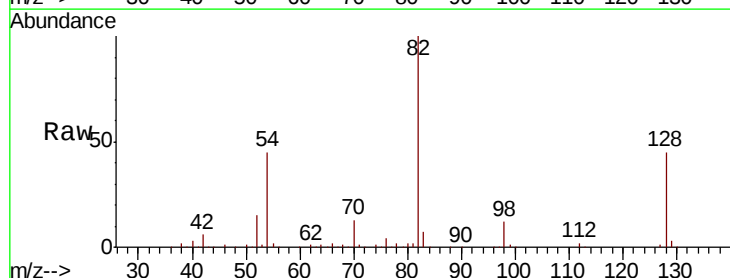
Manual Integrations
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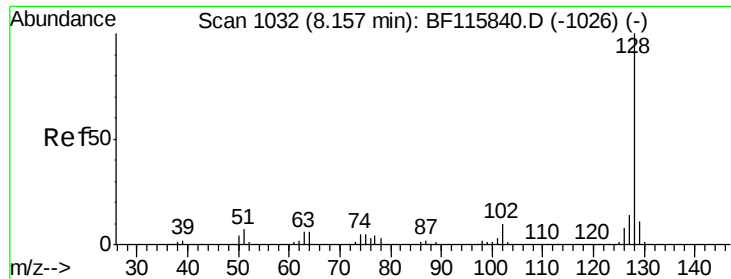
mohammad
8/7/2019 4:42:14 PM



#24
Nitrobenzene
Concen: 0.191 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.03 min
Lab File: BF116035.D
Acq: 7 Aug 2019 3:12

Tgt Ion	Ratio	Lower	Upper
77	100		
123	0.0	35.5	53.3#
65	33.9	10.6	15.8#





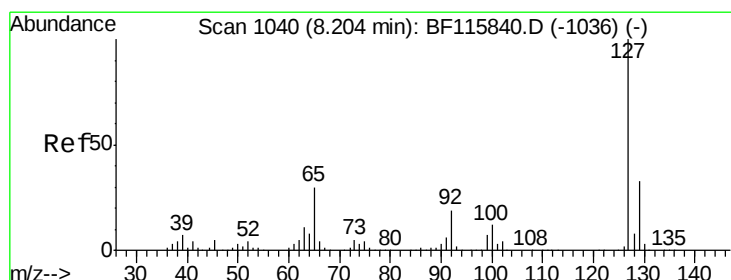
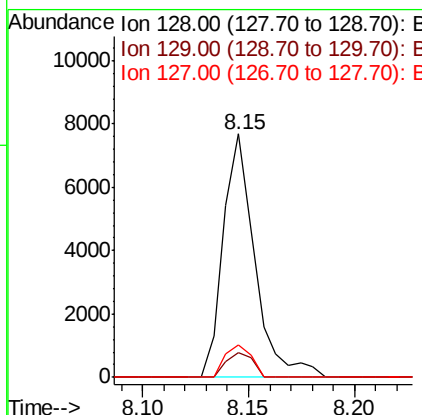
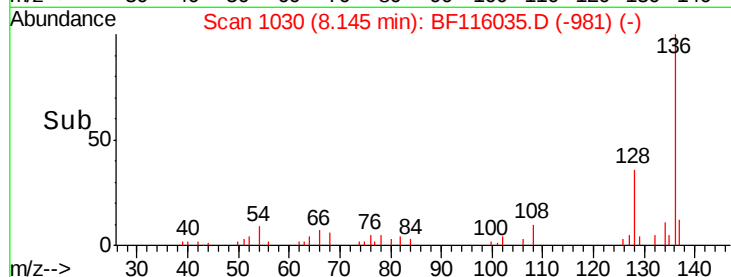
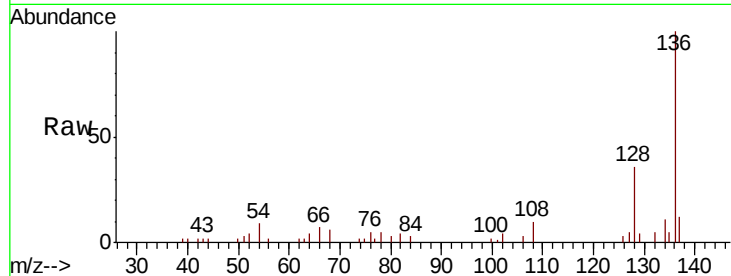
#31
Naphthalene
Concen: 0.333 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF116035.D
Acq: 7 Aug 2019 3:12

Instrument :
BNA_F
ClientSampleId :
RT-3407

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.0	9.2	13.8
127	13.2	11.0	16.4

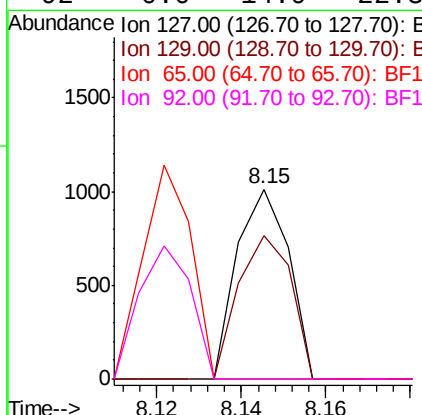
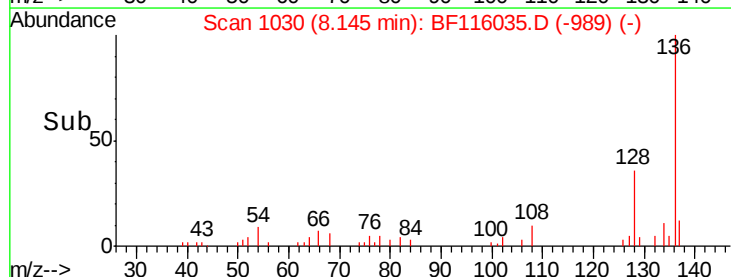
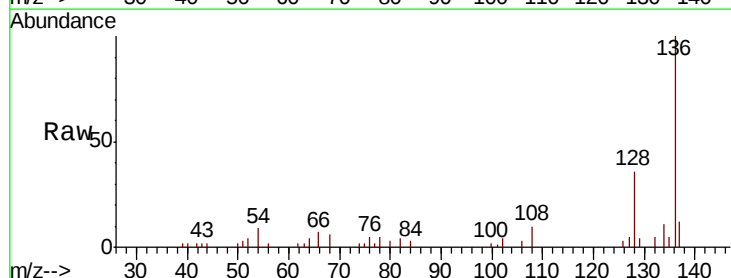
Manual Integrations
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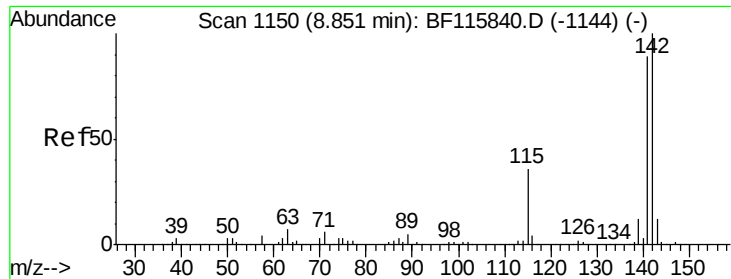
mohammad
8/7/2019 4:42:14 PM



#33
4-Chloroaniline
Concen: 0.081 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.06 min
Lab File: BF116035.D
Acq: 7 Aug 2019 3:12

Tgt Ion	Ratio	Lower	Upper
127	100		
129	75.6	26.0	39.0#
65	0.0	23.9	35.9#
92	0.0	14.9	22.3#





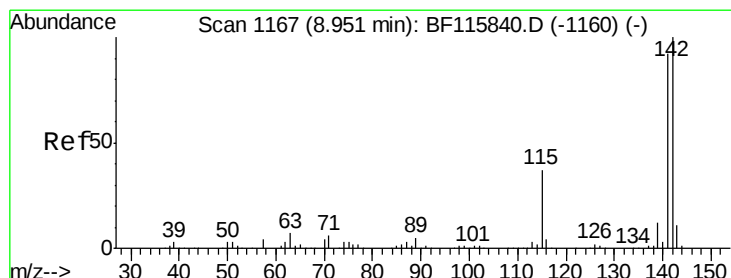
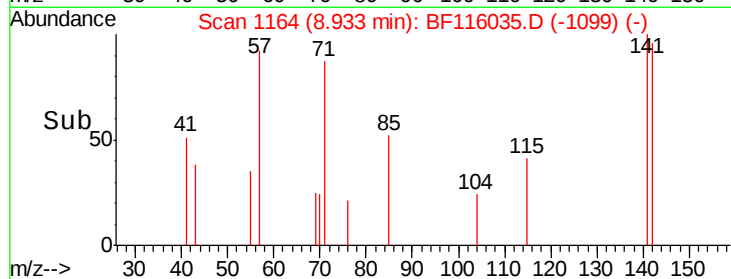
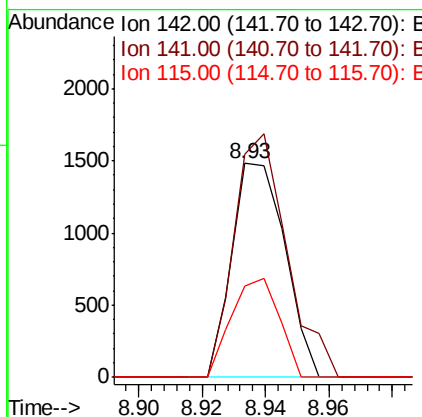
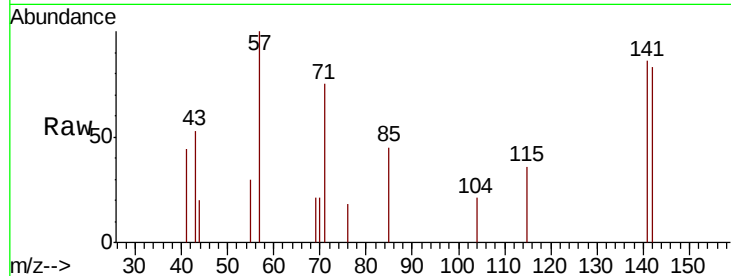
#37
 2-Methylnaphthalene
 Concen: 0.109 ng
 RT: 8.93 min Scan# 1164
 Delta R.T. 0.08 min
 Lab File: BF116035.D
 Acq: 7 Aug 2019 3:12

Instrument :
 BNA_F
 ClientSampleId :
 RT-3407

Tot Ion	Ratio	Lower	Upper
142	100		
141	104.2	71.4	107.2
115	42.9	28.9	43.3

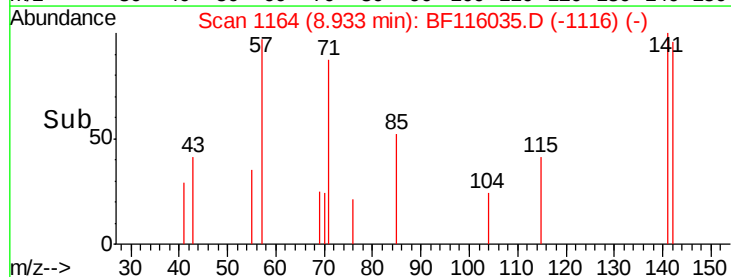
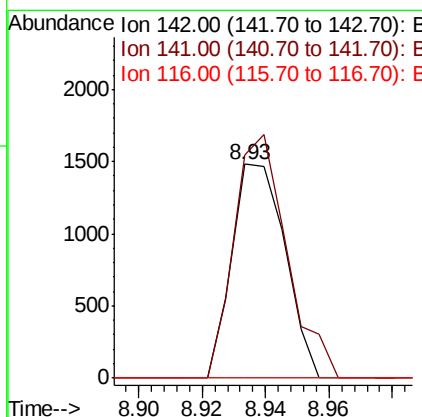
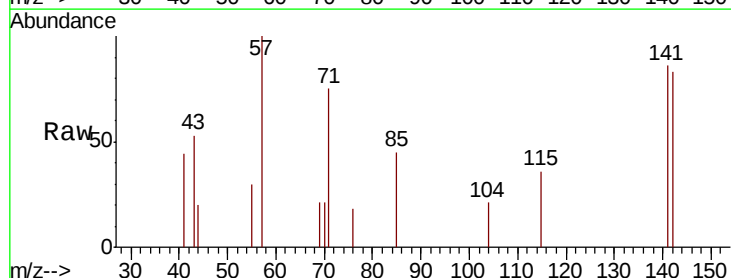
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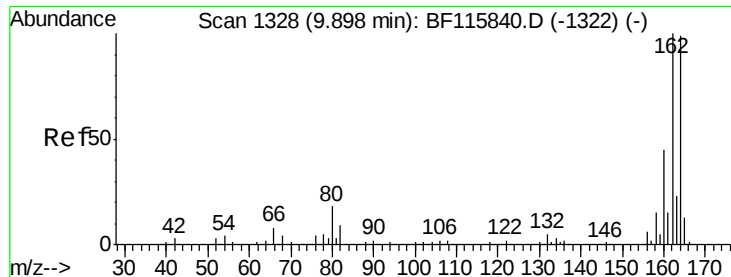
mohammad
 8/7/2019 4:42:14 PM



#38
 1-Methylnaphthalene
 Concen: 0.115 ng
 RT: 8.93 min Scan# 1164
 Delta R.T. -0.02 min
 Lab File: BF116035.D
 Acq: 7 Aug 2019 3:12

Tgt Ion	Ratio	Lower	Upper
142	100		
141	104.2	73.8	110.6
116	0.0	3.1	4.7#





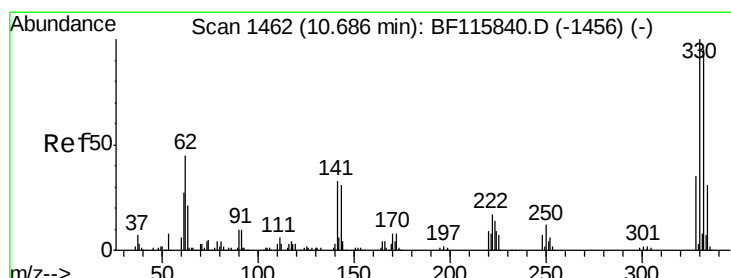
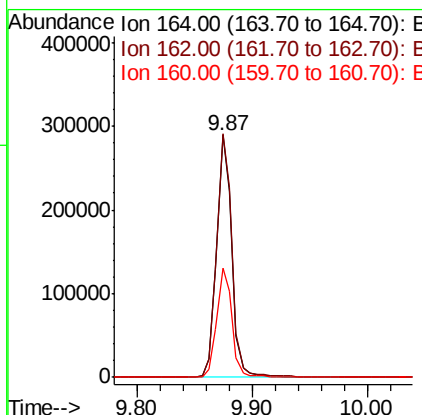
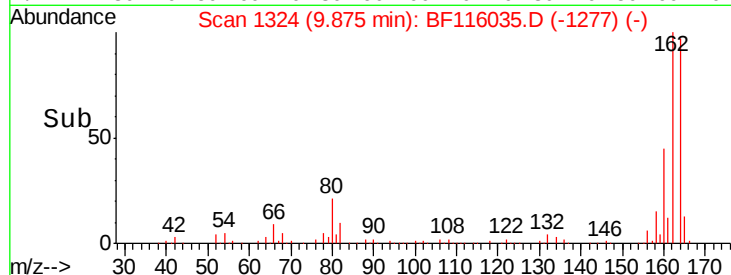
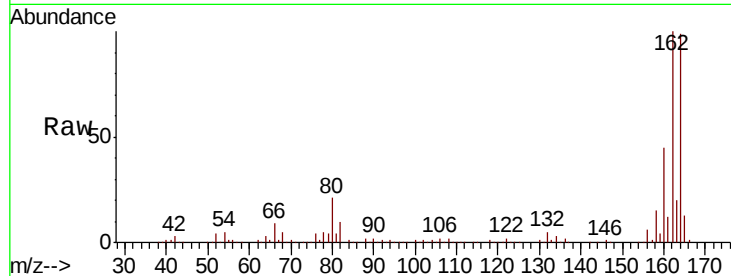
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.02 min
Lab File: BF116035.D
Acq: 7 Aug 2019 3:12

Instrument :
BNA_F
ClientSampleId :
RT-3407

Tot Ion	Ratio	Resp	Lower	Upper
164	100	264024		
162	100.5	80.8	121.2	
160	44.9	36.2	54.4	

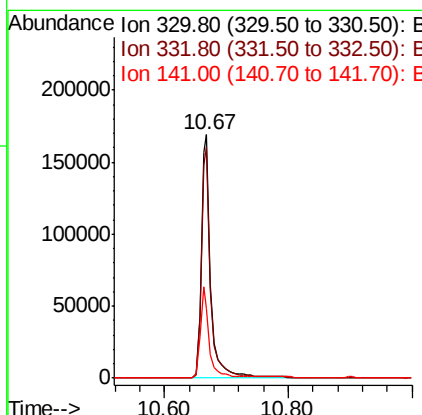
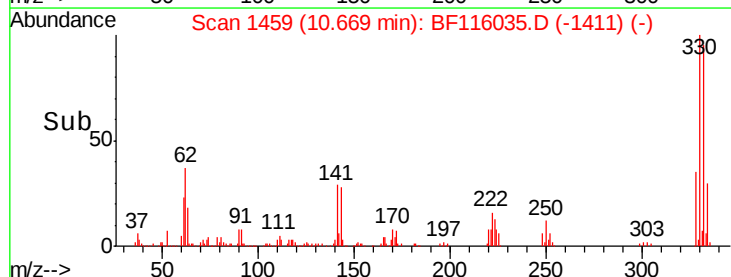
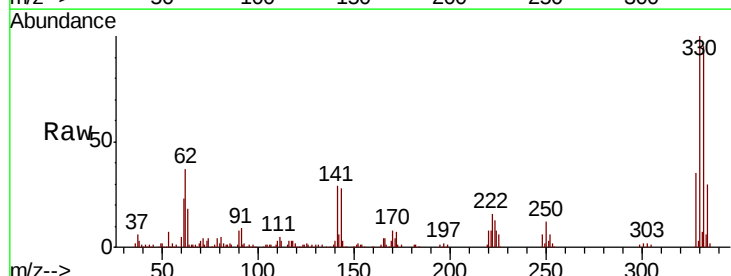
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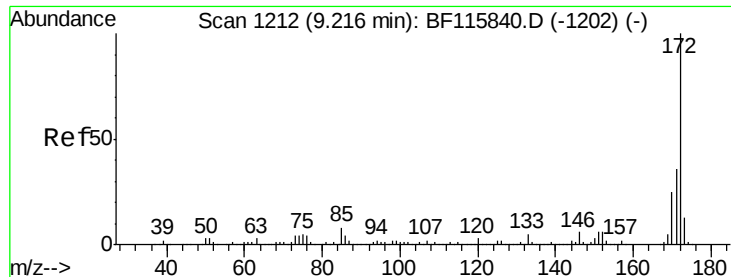
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#42
2,4,6-Tribromophenol
Concen: 72.667 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.02 min
Lab File: BF116035.D
Acq: 7 Aug 2019 3:12

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	186013		
332	95.0	77.7	116.5	
141	35.0	28.1	42.1	





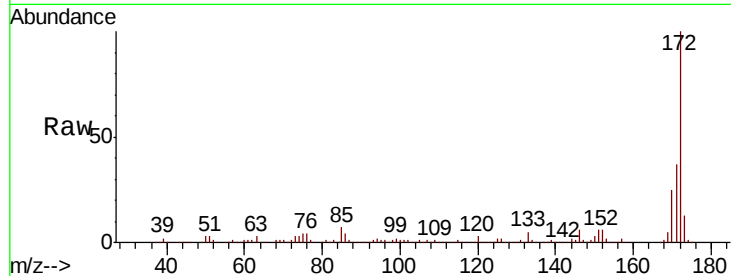
#45
2-Fluorobiphenyl
Concen: 77.791 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.02 min
Lab File: BF116035.D
Acq: 7 Aug 2019 3:12

Instrument :
BNA_F
ClientSampled :
RT-3407

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.1	43.7
170	25.3	20.1	30.1

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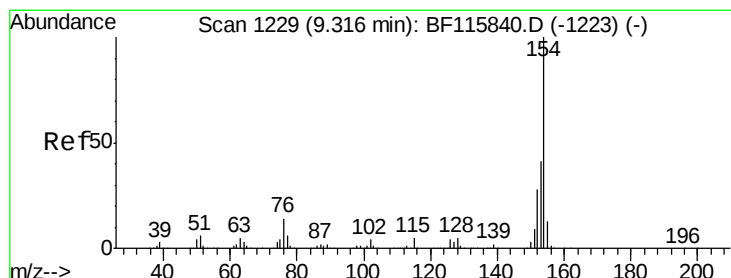
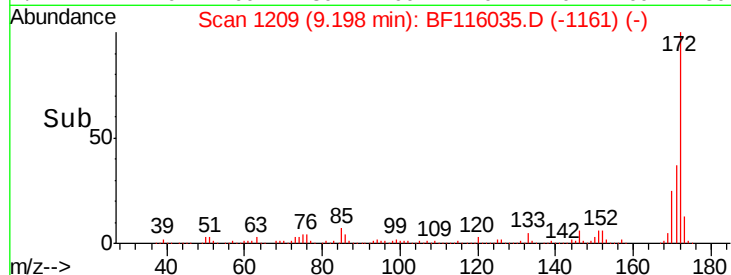
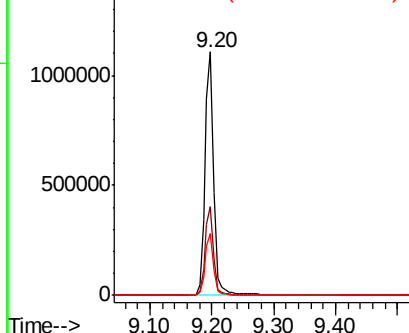


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 0.214 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.02 min
Lab File: BF116035.D
Acq: 7 Aug 2019 3:12

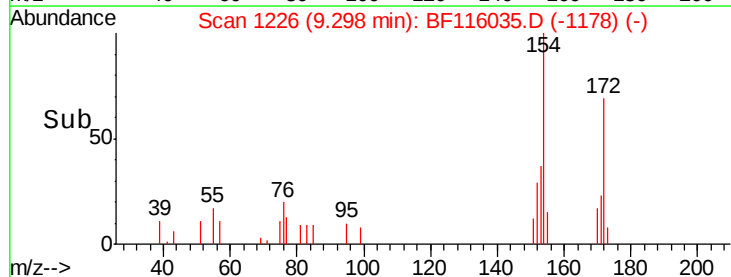
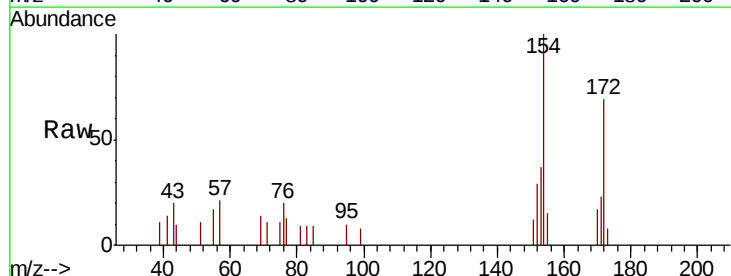
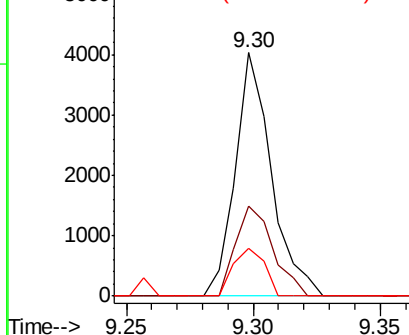
Tgt Ion	Ratio	Lower	Upper
154	100		
153	36.8	20.9	60.9
76	19.9	0.0	34.3

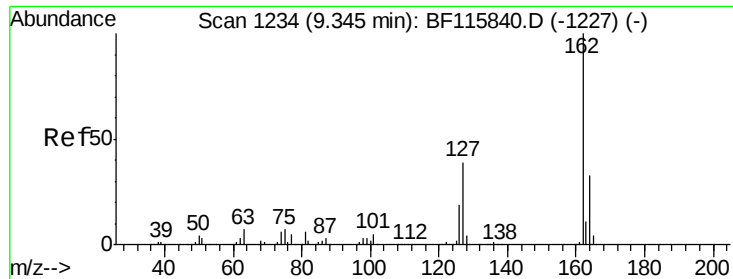
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





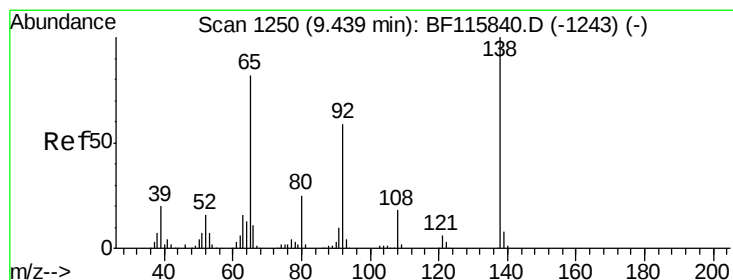
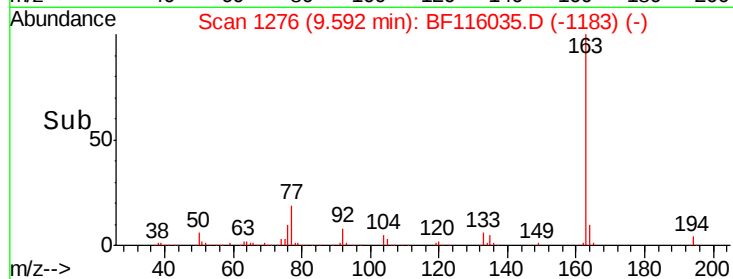
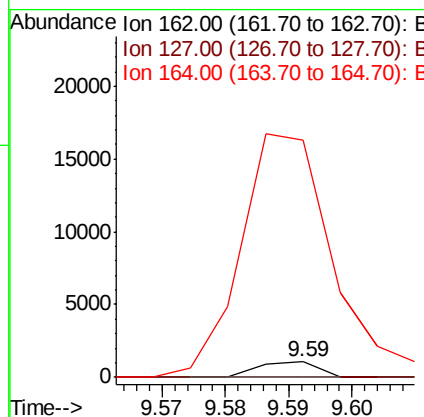
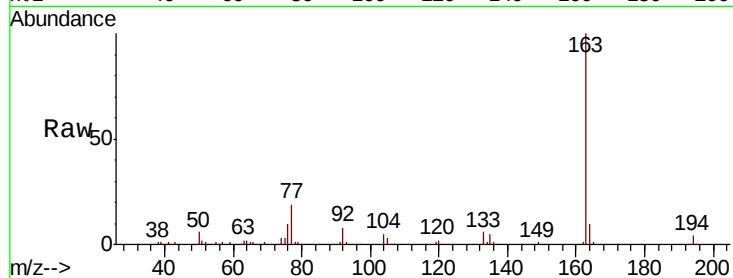
#47
2-Chloronaphthalene
Concen: 0.045 ng
RT: 9.59 min Scan# 1276
Delta R.T. 0.25 min
Lab File: BF116035.D
Acq: 7 Aug 2019 3:12

Instrument :
BNA_F
ClientSampleId :
RT-3407

Tot Ion:162 Resp: 703
Ion Ratio Lower Upper
162 100
127 0.0 31.3 46.9#
164 1518.6 26.6 40.0#

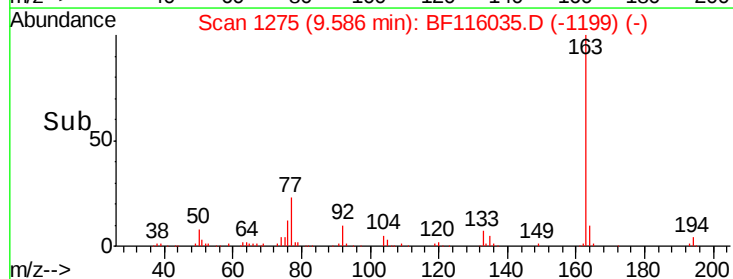
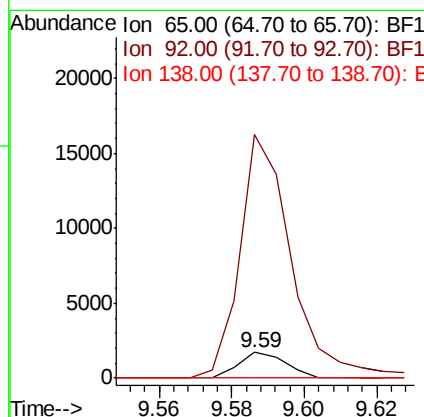
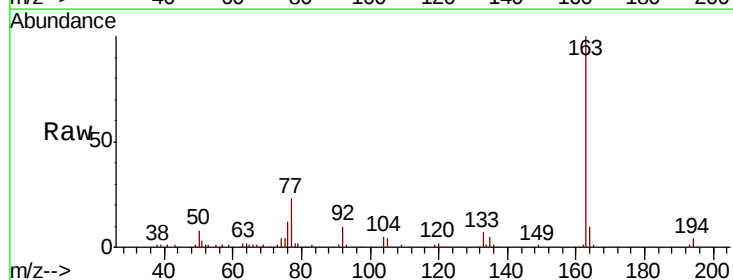
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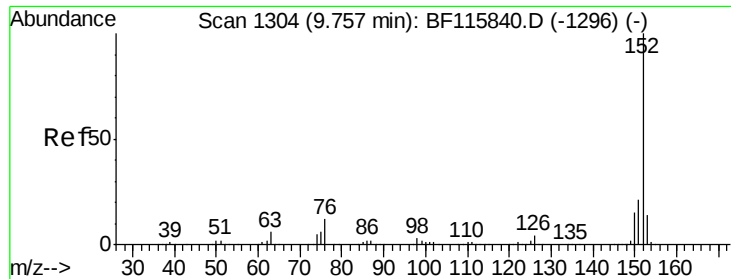
mohammad
8/7/2019 4:42:14 PM



#48
2-Nitroaniline
Concen: 0.305 ng
RT: 9.59 min Scan# 1275
Delta R.T. 0.15 min
Lab File: BF116035.D
Acq: 7 Aug 2019 3:12

Tgt Ion: 65 Resp: 1565
Ion Ratio Lower Upper
65 100
92 955.6 57.1 85.7#
138 0.0 97.1 145.7#





#49

Acenaphthylene

Concen: 0.313 ng

RT: 9.74 min Scan# 1301

Delta R.T. -0.02 min

Lab File: BF116035.D

Acq: 7 Aug 2019 3:12

Instrument :

BNA_F

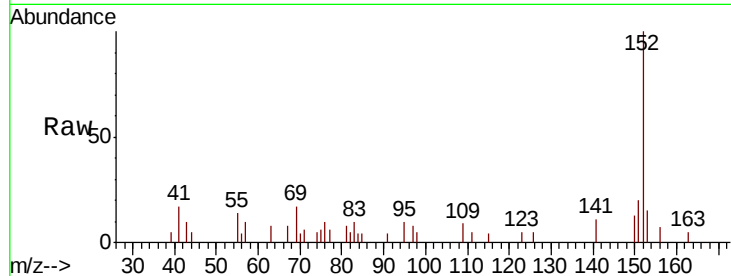
ClientSampled :

RT-3407

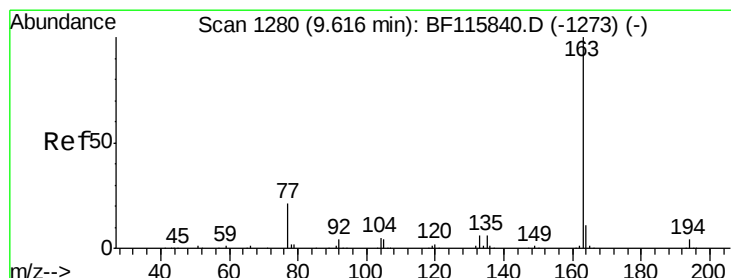
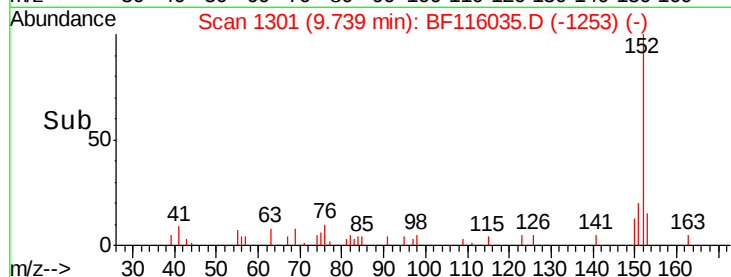
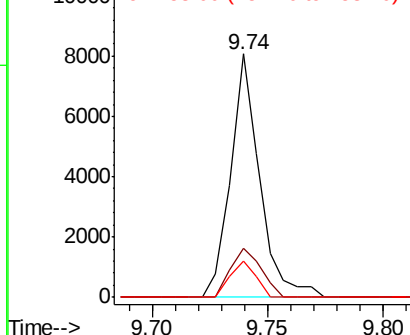
Tot Ion:	152	Resp:	7086
Ion Ratio	Lower	Upper	
152	100		
151	20.1	16.8	25.2
153	15.1	11.6	17.4

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: 9.755 ng

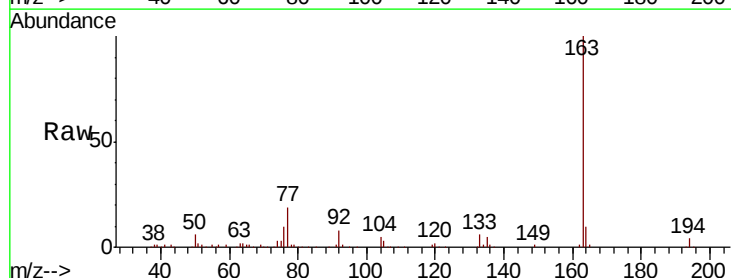
RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

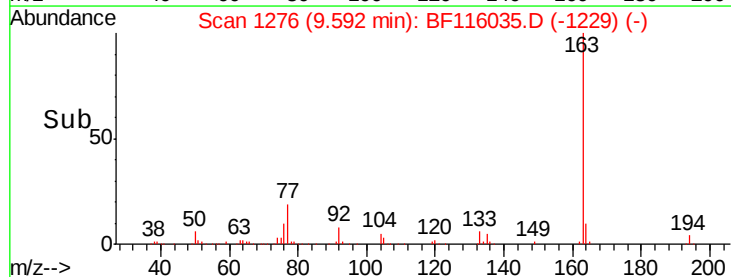
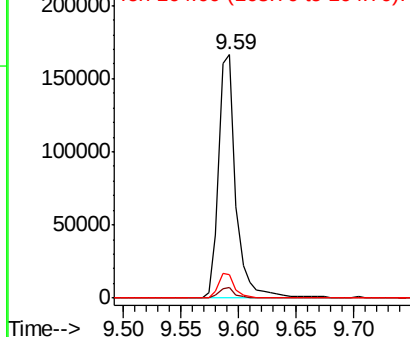
Lab File: BF116035.D

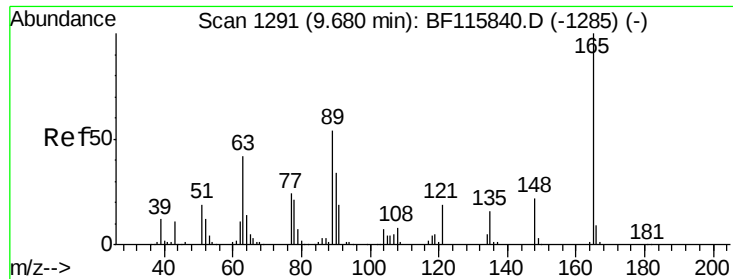
Acq: 7 Aug 2019 3:12

Tgt Ion:	163	Resp:	175372
Ion Ratio	Lower	Upper	
163	100		
194	4.2	3.0	4.6
164	9.8	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





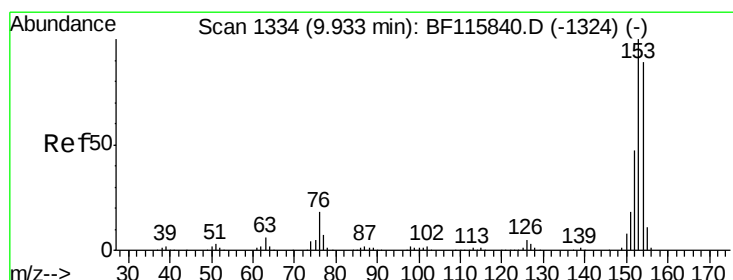
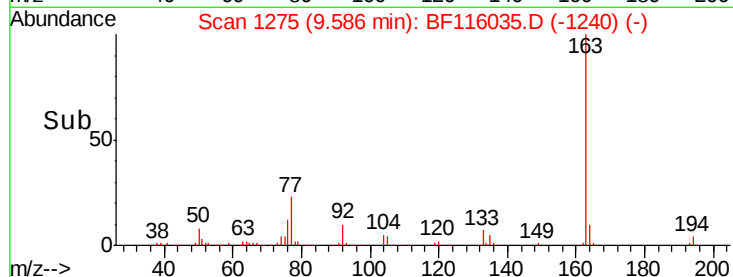
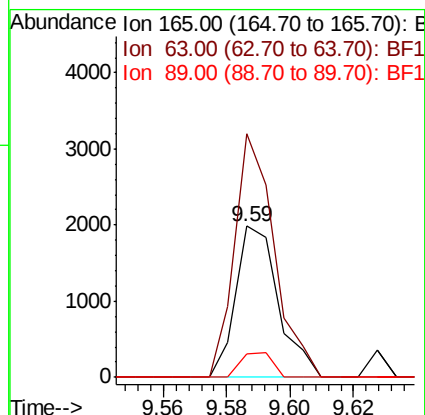
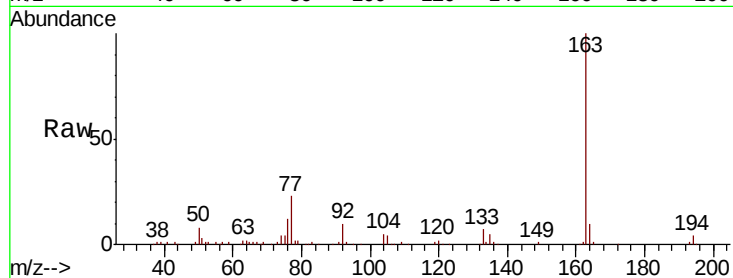
#51
 2,6-Dinitrotoluene
 Concen: 0.469 ng
 RT: 9.59 min Scan# 1275
 Delta R.T. -0.09 min
 Lab File: BF116035.D
 Acq: 7 Aug 2019 3:12

Instrument :
 BNA_F
 ClientSampleId :
 RT-3407

Tot Ion	Ratio	Resp	Lower	Upper
165	100	1834		
63	161.4	39.4	59.2#	
89	15.5	43.0	64.6#	

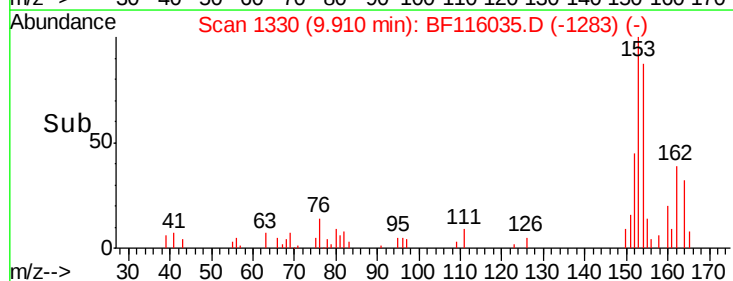
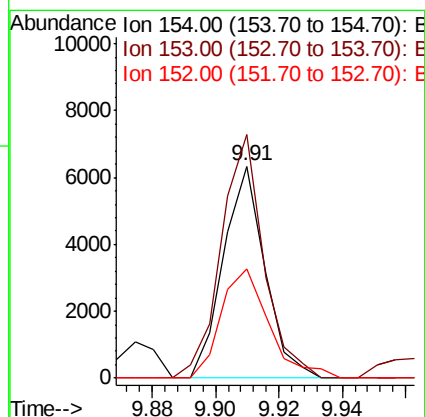
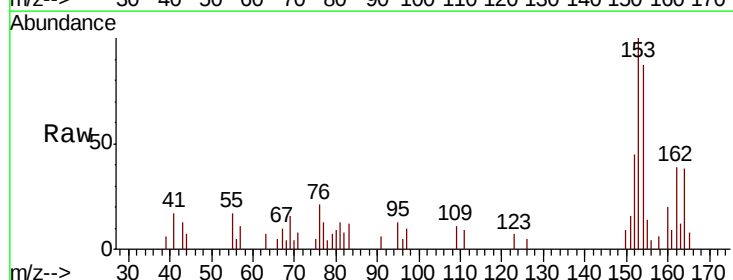
Manual Integrations
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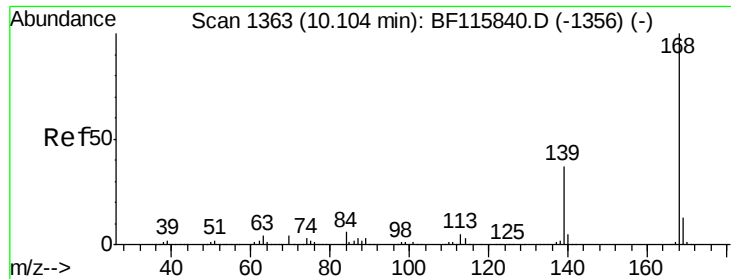
mohammad
 8/7/2019 4:42:14 PM



#52
 Acenaphthene
 Concen: 0.414 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.02 min
 Lab File: BF116035.D
 Acq: 7 Aug 2019 3:12

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	5751		
153	114.8	90.1	135.1	
152	51.2	42.6	63.8	





#55

Dibenzofuran

Concen: 0.451 ng

RT: 10.09 min Scan# 1360

Delta R.T. -0.02 min

Lab File: BF116035.D

Acq: 7 Aug 2019 3:12

Instrument :

BNA_F

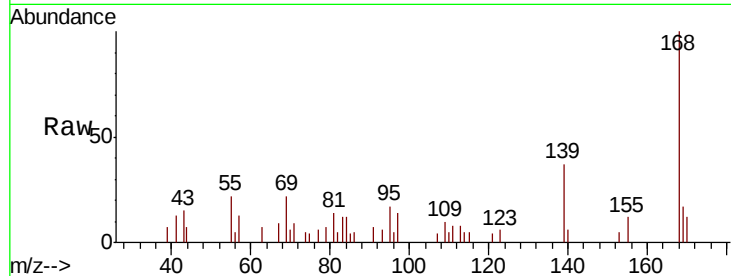
ClientSampled :

RT-3407

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.4	30.2	45.2
169	17.0	10.8	16.2

Manual Integrations
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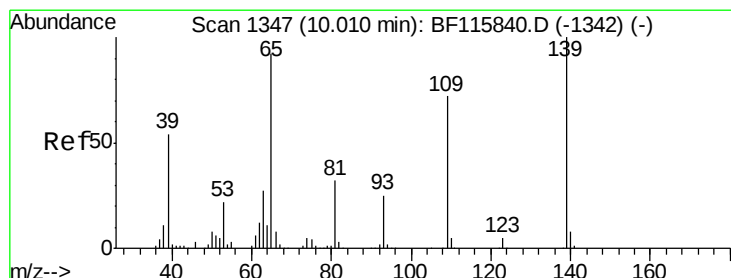
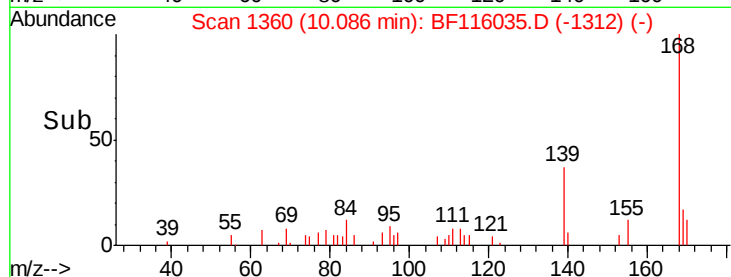
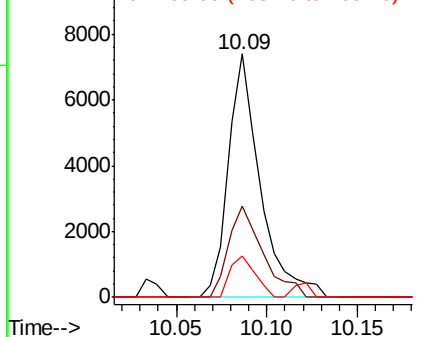


Abundance

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



#56

4-Nitrophenol

Concen: 1.185 ng

RT: 10.09 min Scan# 1360

Delta R.T. 0.08 min

Lab File: BF116035.D

Acq: 7 Aug 2019 3:12

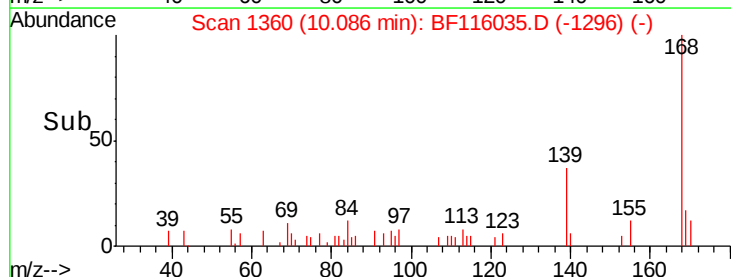
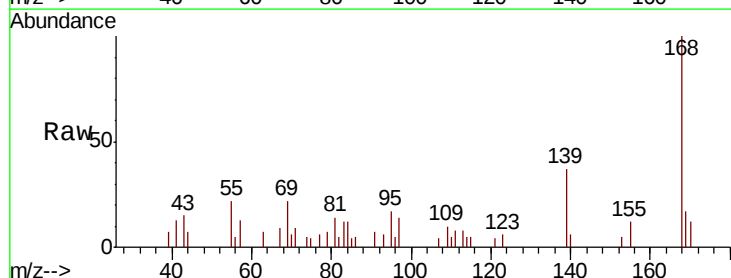
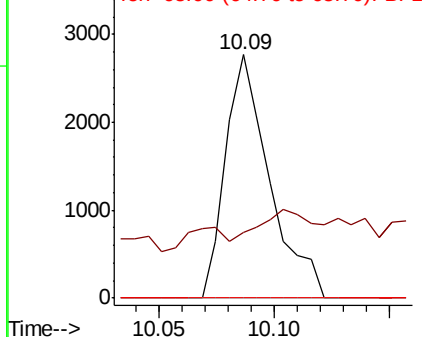
Tgt Ion	Ratio	Lower	Upper
139	100		
109	26.8	52.0	92.0
65	0.0	72.6	112.6

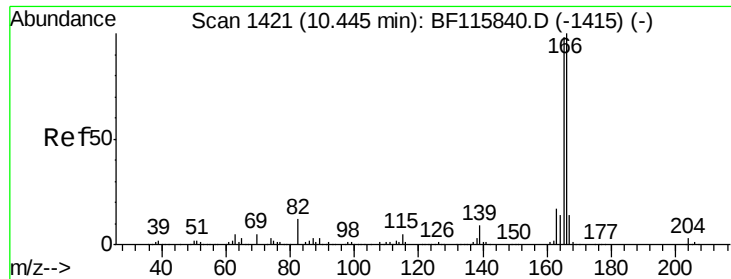
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





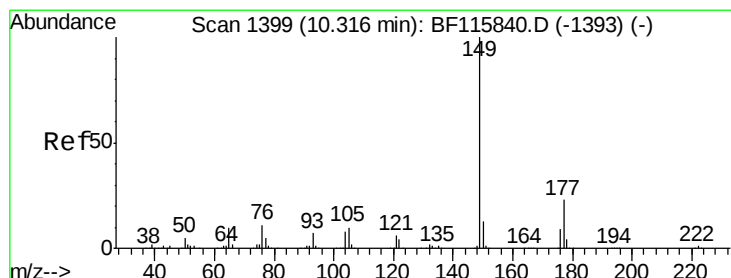
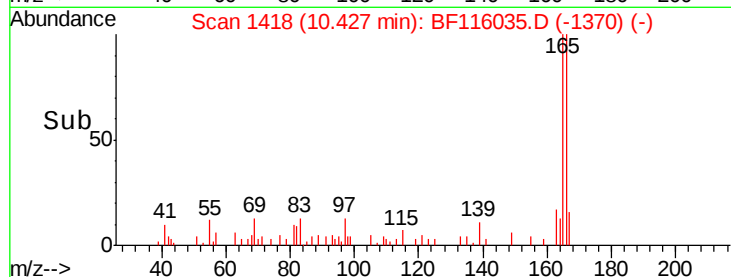
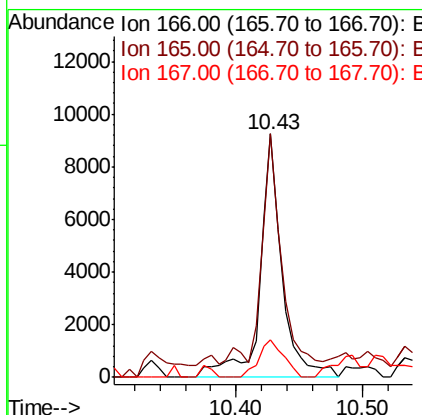
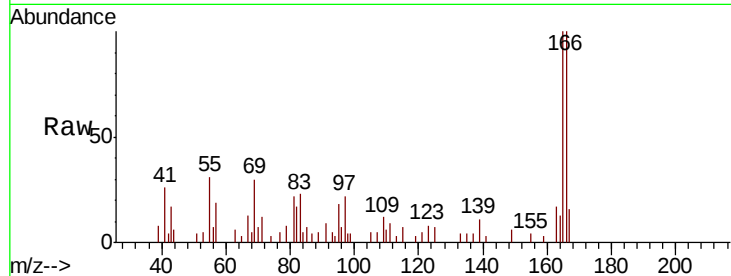
#58
 Fluorene
 Concen: 0.730 ng
 RT: 10.43 min Scan# 1418
 Delta R.T. -0.02 min
 Lab File: BF116035.D
 Acq: 7 Aug 2019 3:12

Instrument :
 BNA_F
 ClientSampleId :
 RT-3407

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.9	78.6	118.0
167	15.5	10.9	16.3

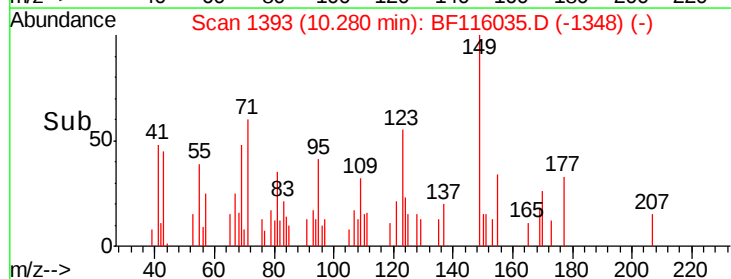
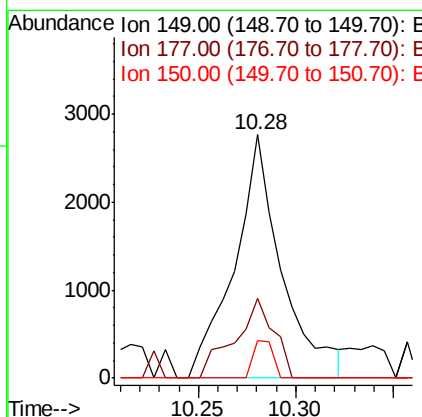
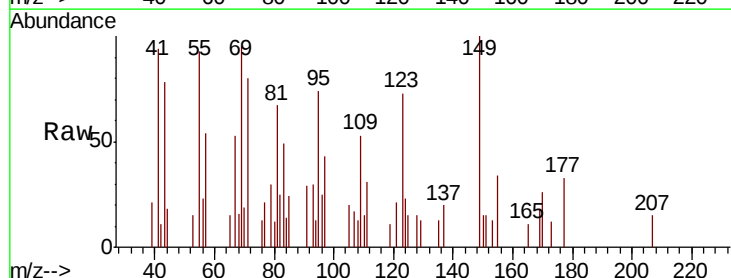
Manual Integrations
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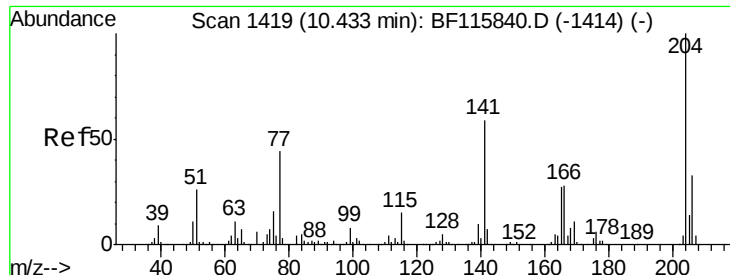
mohammad
 8/7/2019 4:42:14 PM



#60
 Diethylphthalate
 Concen: 0.276 ng
 RT: 10.28 min Scan# 1393
 Delta R.T. -0.04 min
 Lab File: BF116035.D
 Acq: 7 Aug 2019 3:12

Tgt Ion	Ratio	Lower	Upper
149	100		
177	33.0	18.4	27.6#
150	15.4	10.1	15.1#





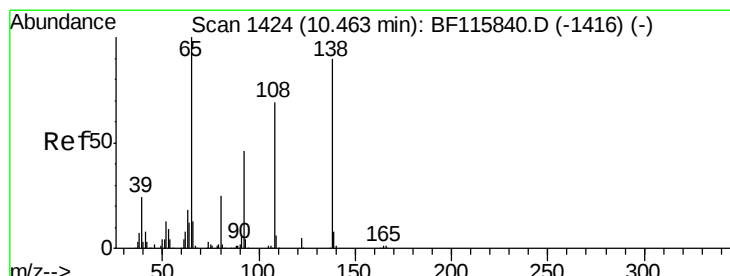
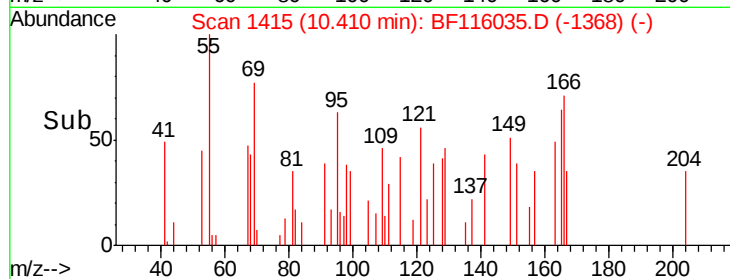
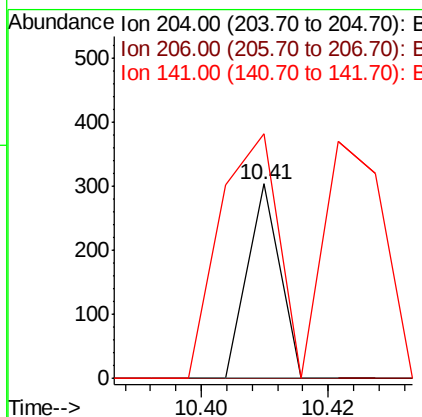
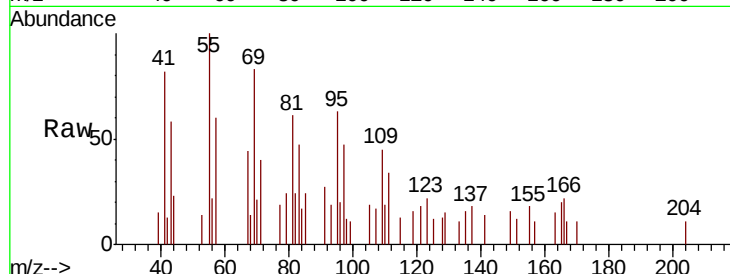
#61
4-Chlorophenyl-phenylether
Concen: 0.014 ng
RT: 10.41 min Scan# 1415
Delta R.T. -0.02 min
Lab File: BF116035.D
Acq: 7 Aug 2019 3:12

Instrument :
BNA_F
ClientSampleId :
RT-3407

Tot Ion	Ratio	Lower	Upper
204	100		
206	0.0	26.4	39.6#
141	125.7	47.0	70.4#

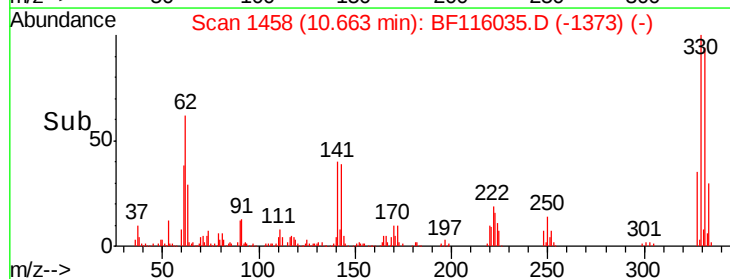
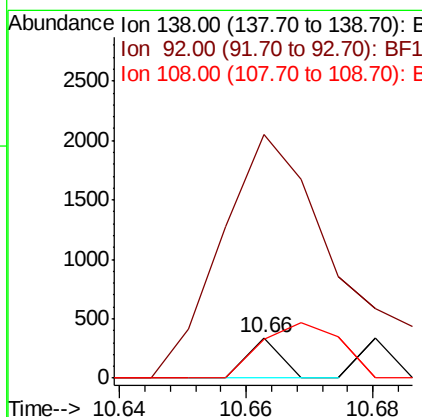
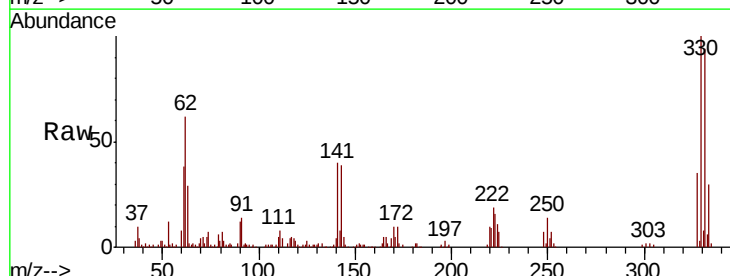
Manual Integrations
APPROVED

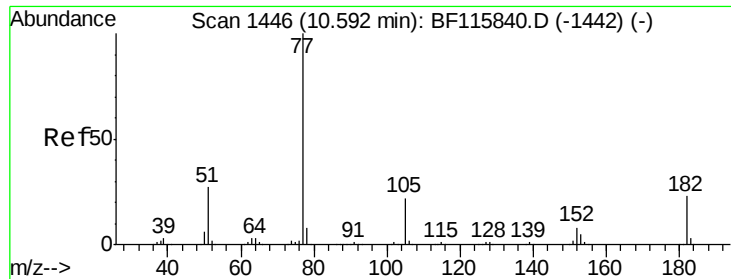
mohammad
8/7/2019 4:42:14 PM



#62
4-Nitroaniline
Concen: 0.024 ng
RT: 10.66 min Scan# 1458
Delta R.T. 0.20 min
Lab File: BF116035.D
Acq: 7 Aug 2019 3:12

Tgt Ion	Ratio	Lower	Upper
138	100		
92	599.1	31.0	71.0#
108	95.0	56.7	96.7





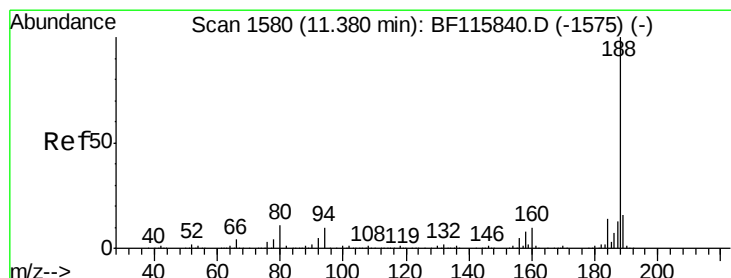
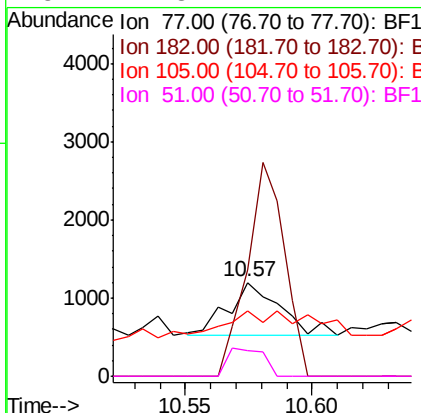
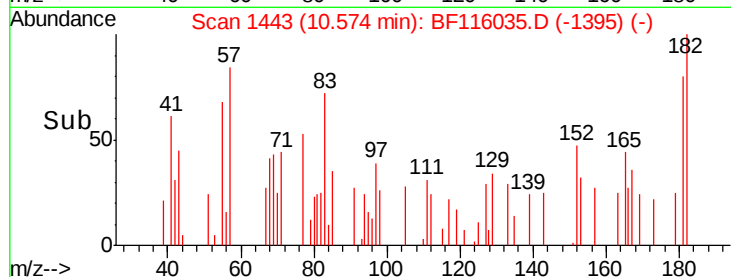
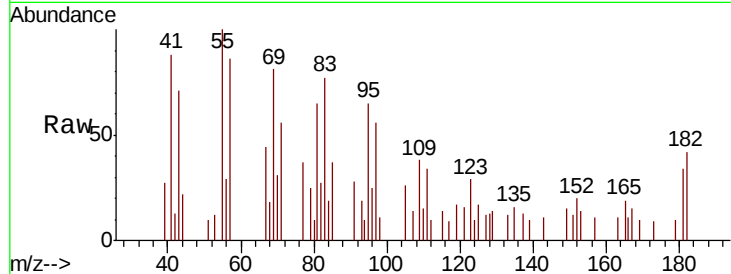
#63
Azobenzene
Concen: 0.056 ng
RT: 10.57 min Scan# 1443
Delta R.T. -0.02 min
Lab File: BF116035.D
Acq: 7 Aug 2019 3:12

Instrument :
BNA_F
ClientSampleId :
RT-3407

Tot Ion: 77 Resp: 973
Ion Ratio Lower Upper
77 100
182 114.0 2.6 42.6#
105 70.0 1.6 41.6#
51 27.3 7.4 47.4

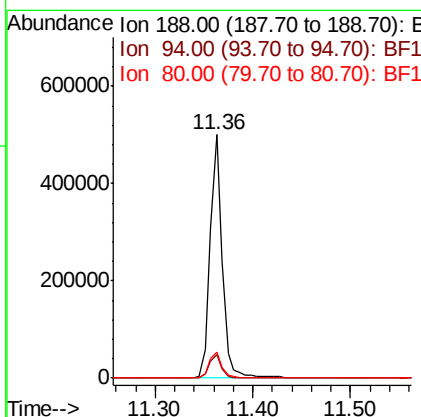
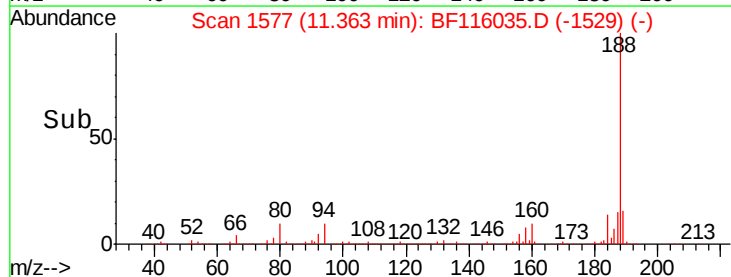
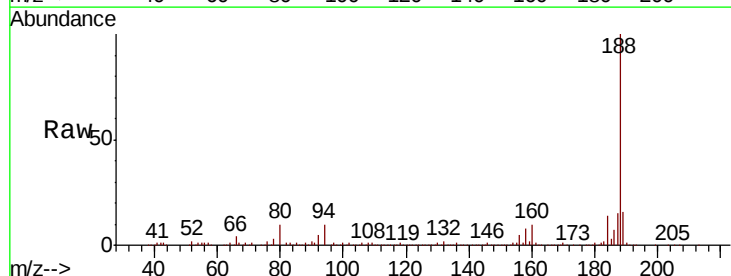
Manual Integrations
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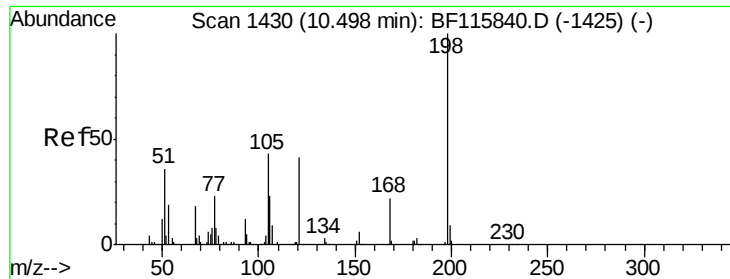
mohammad
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.02 min
Lab File: BF116035.D
Acq: 7 Aug 2019 3:12

Tgt Ion: 188 Resp: 434851
Ion Ratio Lower Upper
188 100
94 9.7 8.0 12.0
80 10.5 8.6 12.8





#65

4,6-Dinitro-2-methylphenol

Concen: 0.136 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.16 min

Lab File: BF116035.D

Acq: 7 Aug 2019 3:12

Instrument :

BNA_F

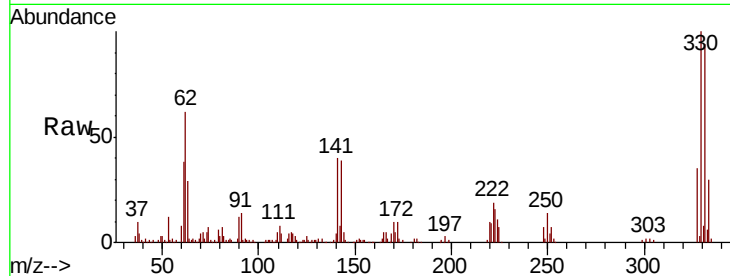
ClientSampled :

RT-3407

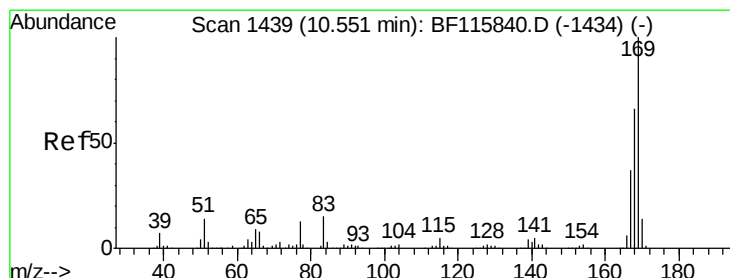
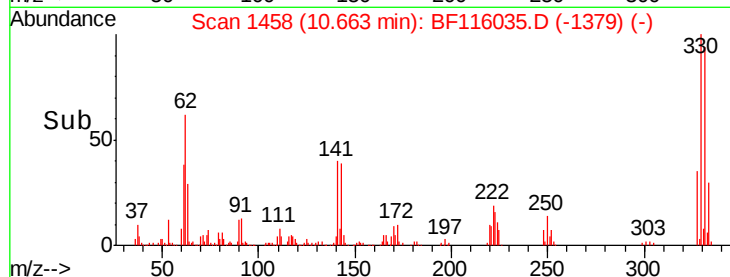
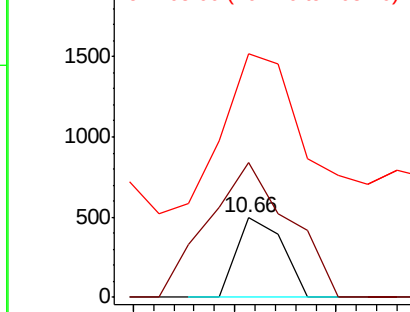
Tot Ion:	198	Resp:	314
Ion Ratio	Lower	Upper	
198	100		
51	169.4	21.1	61.1#
105	306.0	24.5	64.5#

Manual Integrations
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Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 0.120 ng

RT: 10.53 min Scan# 1436

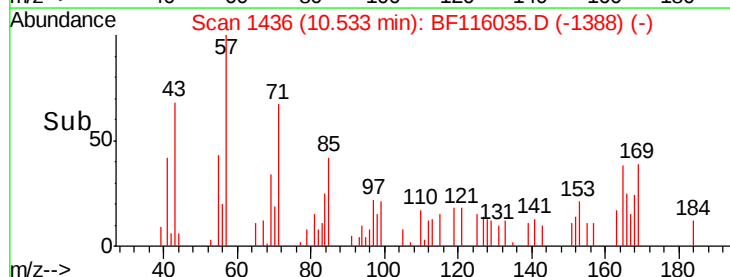
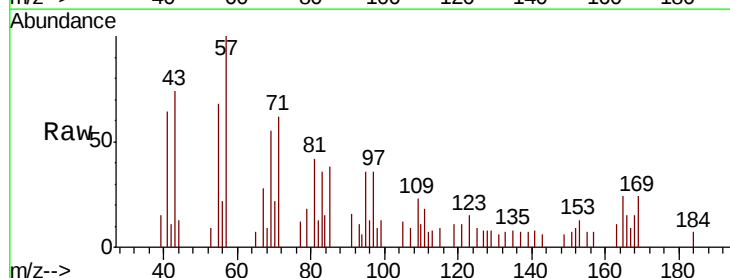
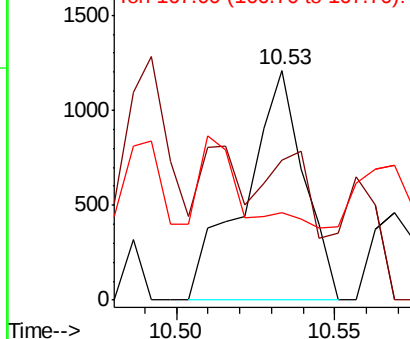
Delta R.T. -0.02 min

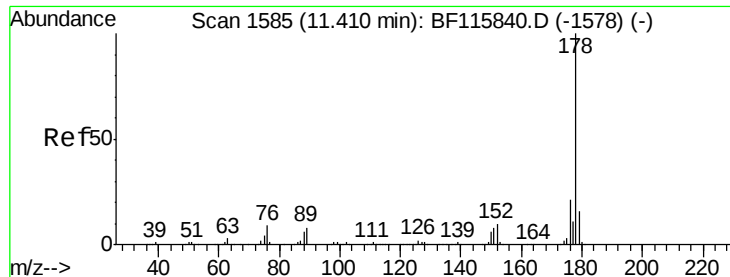
Lab File: BF116035.D

Acq: 7 Aug 2019 3:12

Tgt Ion:	169	Resp:	1568
Ion Ratio	Lower	Upper	
169	100		
168	61.2	53.0	79.6
167	38.0	29.9	44.9

Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E





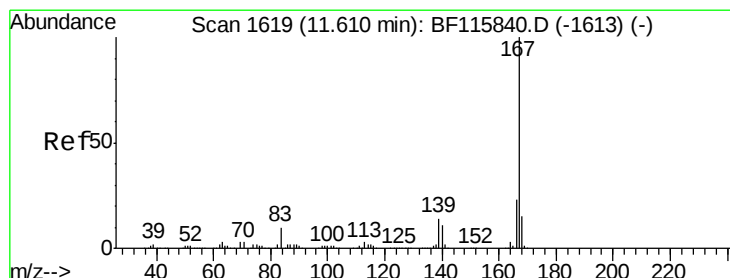
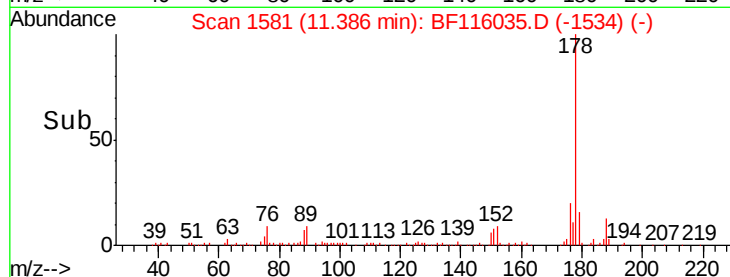
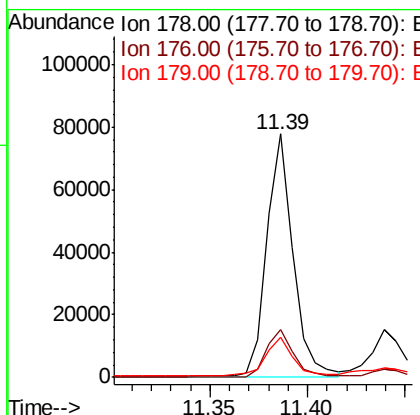
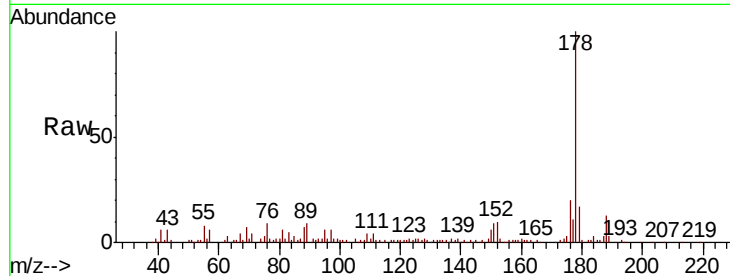
#71
Phenanthrene
Concen: 3.314 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.02 min
Lab File: BF116035.D
Acq: 7 Aug 2019 3:12

Instrument :
BNA_F
ClientSampleId :
RT-3407

Tot Ion	Ion	Ratio	Lower	Upper
178	100			
176	19.7	16.5	24.7	
179	16.5	12.6	18.8	

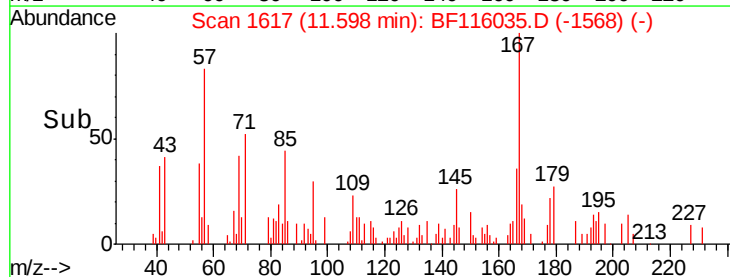
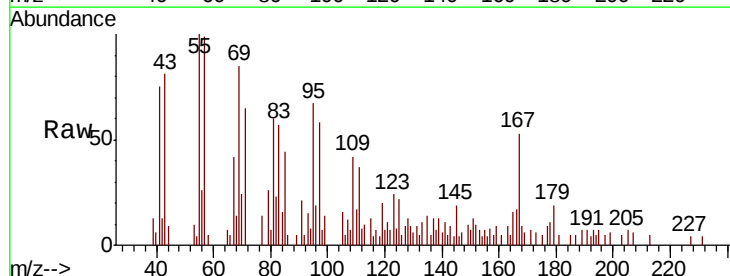
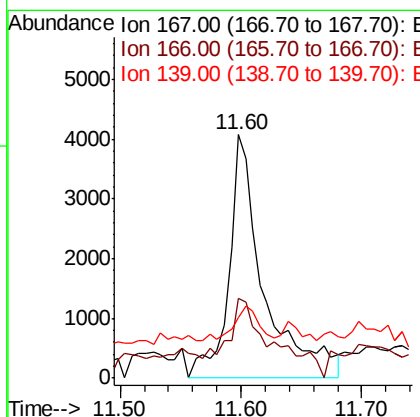
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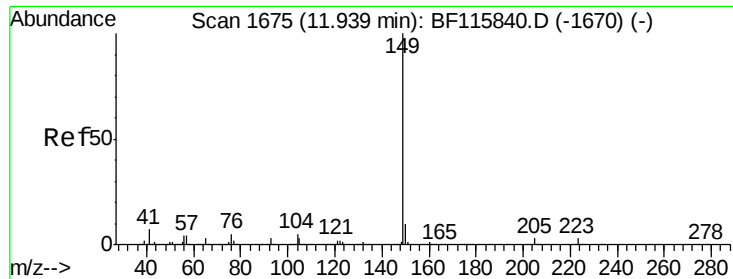
mohammad
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#73
Carbazole
Concen: 0.402 ng
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: BF116035.D
Acq: 7 Aug 2019 3:12

Tgt Ion	Ion	Ratio	Lower	Upper
167	100			
166	33.0	18.0	27.0#	
139	25.0	11.4	17.2#	





#74

Di-n-butylphthalate

Concen: 0.249 ng

RT: 11.91 min Scan# 1670

Delta R.T. -0.03 min

Lab File: BF116035.D

Acq: 7 Aug 2019 3:12

Instrument :

BNA_F

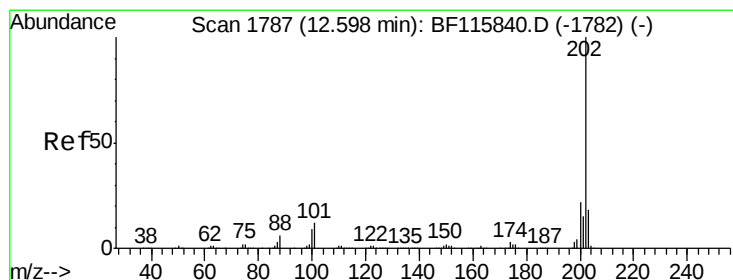
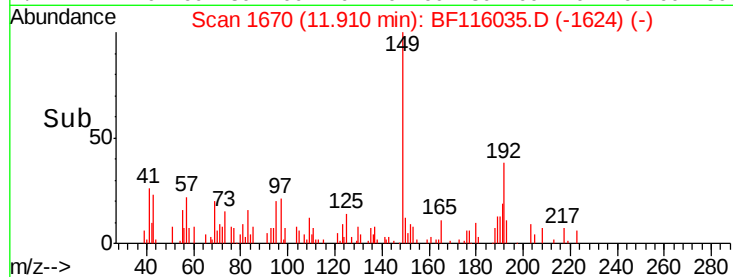
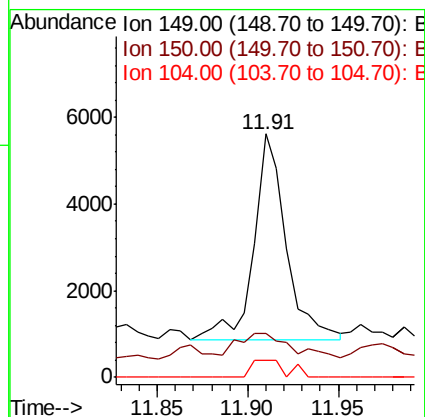
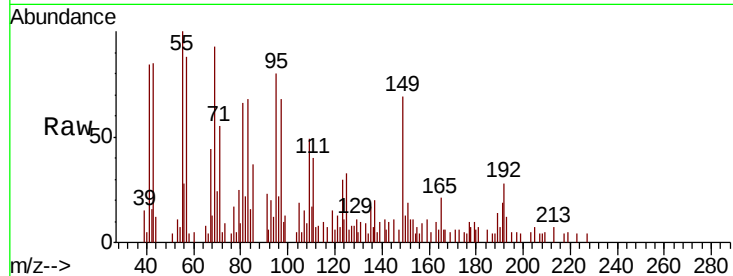
ClientSampleId :

RT-3407

Tot Ion:	149	Resp:	5940
Ion Ratio	Lower	Upper	
149	100		
150	18.2	7.7	11.5#
104	7.1	4.3	6.5#

Manual Integrations
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#75

Fluoranthene

Concen: 6.078 ng

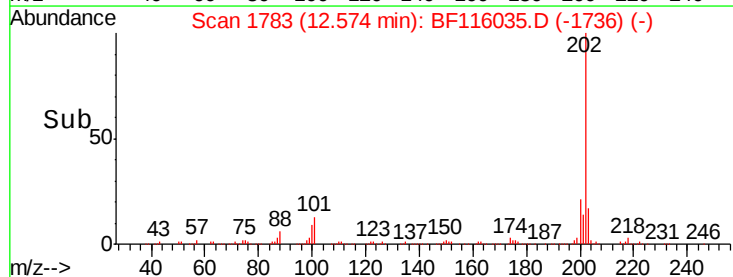
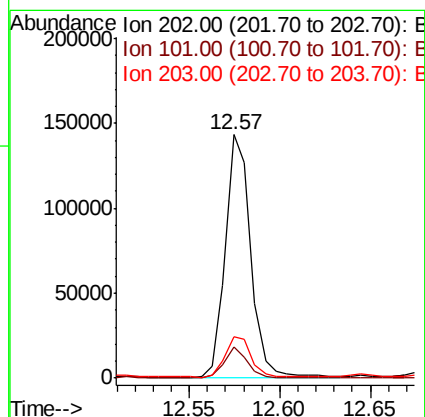
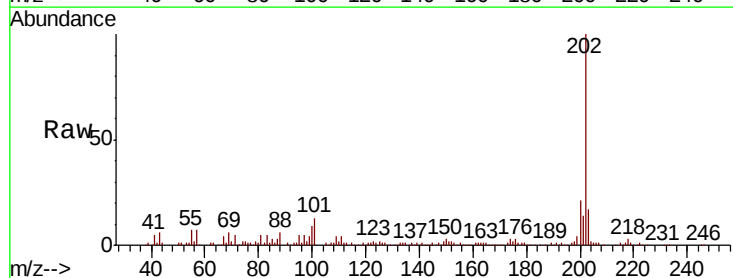
RT: 12.57 min Scan# 1783

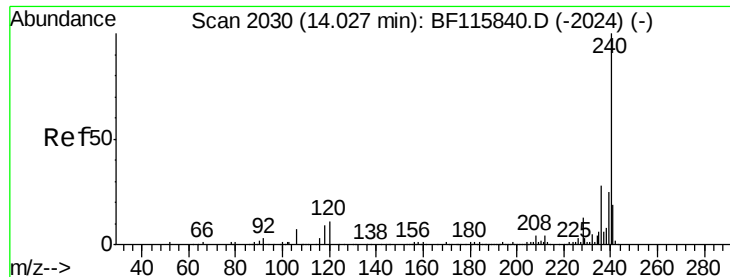
Delta R.T. -0.02 min

Lab File: BF116035.D

Acq: 7 Aug 2019 3:12

Tgt Ion:	202	Resp:	141461
Ion Ratio	Lower	Upper	
202	100		
101	12.5	0.0	31.5
203	17.2	0.0	37.9





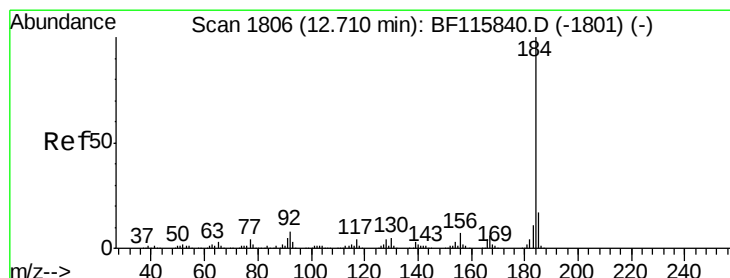
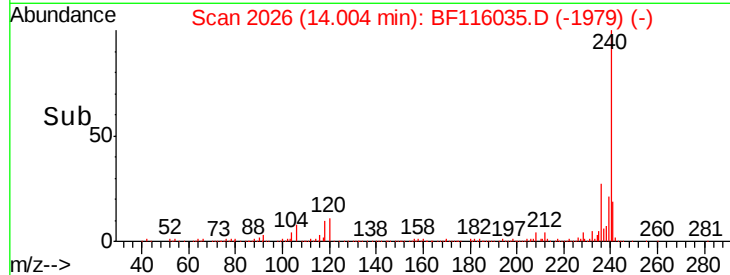
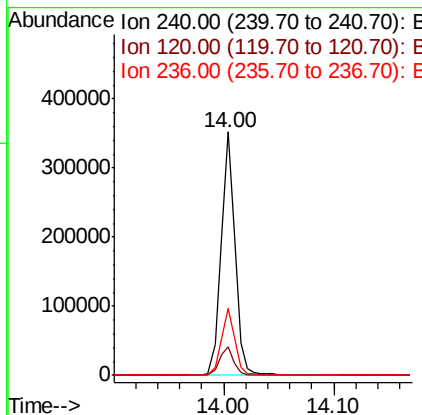
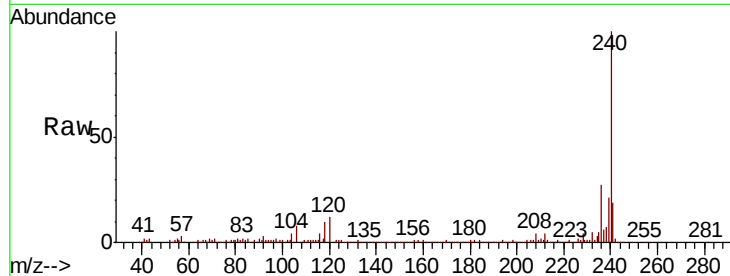
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.02 min
 Lab File: BF116035.D
 Acq: 7 Aug 2019 3:12

Instrument :
 BNA_F
 ClientSampleId :
 RT-3407

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.6	8.5	12.7
236	27.4	22.2	33.2

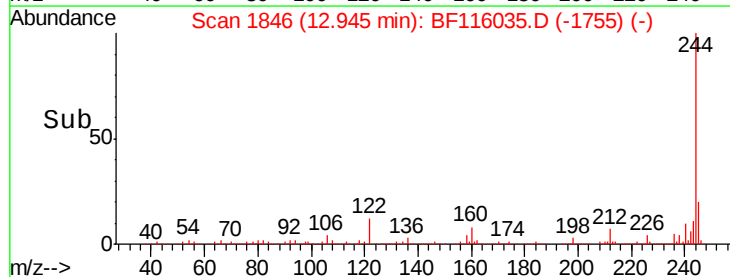
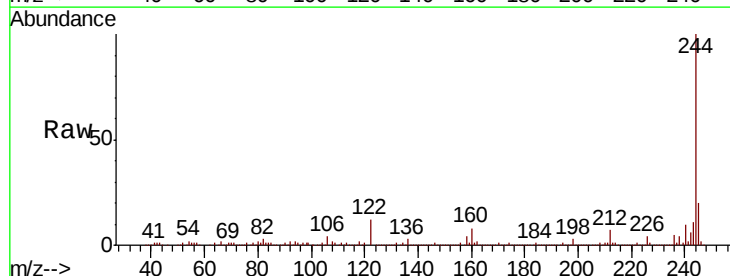
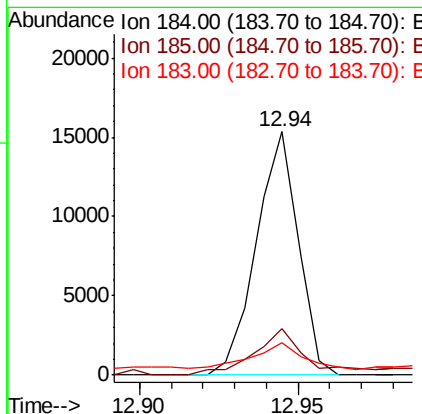
Manual Integrations
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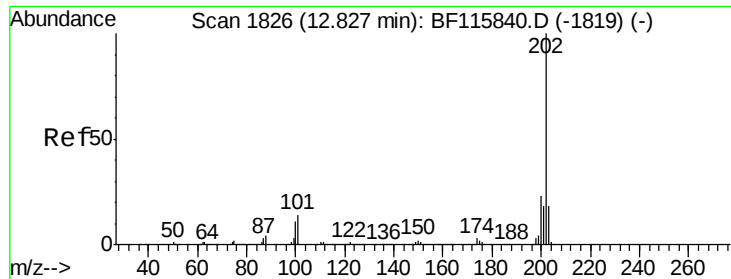
mohammad
 8/7/2019 4:42:14 PM



#77
 Benzidine
 Concen: 1.335 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. 0.24 min
 Lab File: BF116035.D
 Acq: 7 Aug 2019 3:12

Tgt Ion	Ratio	Lower	Upper
184	100		
185	18.9	13.4	20.2
183	13.2	9.1	13.7





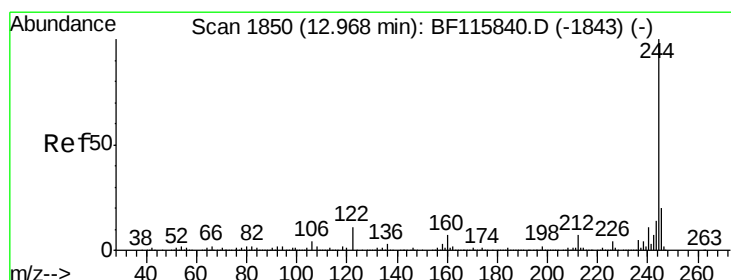
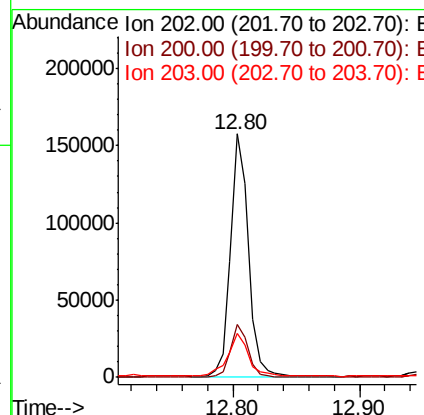
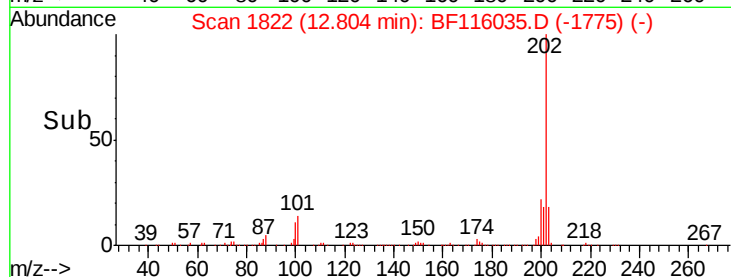
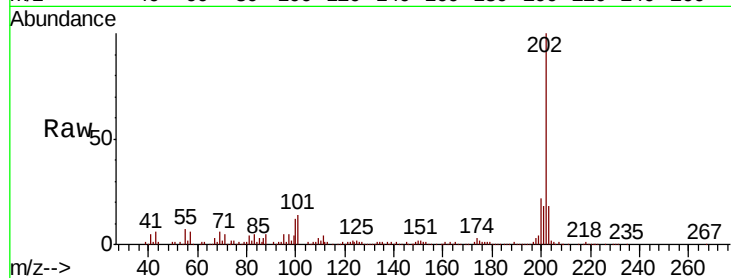
#78
Pvrene
Concen: 6.474 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.02 min
Lab File: BF116035.D
Acq: 7 Aug 2019 3:12

Instrument :
BNA_F
ClientSampleId :
RT-3407

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.6	18.2	27.2
203	18.0	14.3	21.5

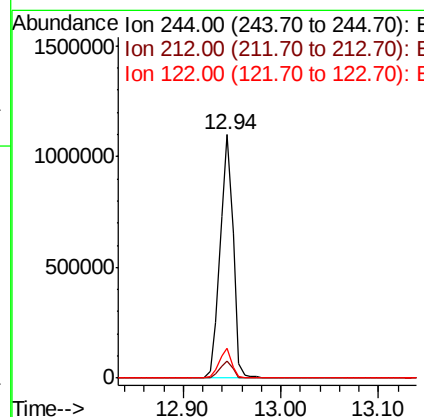
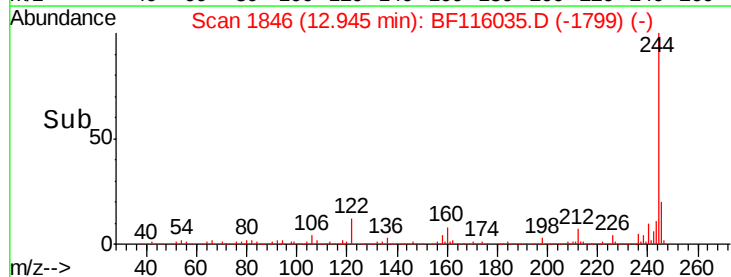
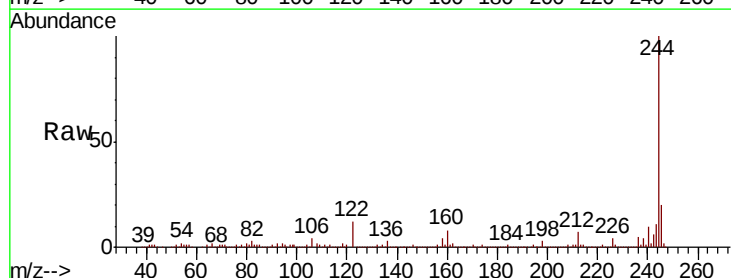
Manual Integrations
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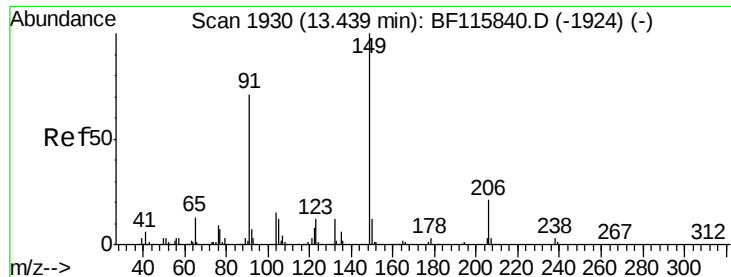
mohammad
8/7/2019 4:42:14 PM



#79
Terphenyl-d14
Concen: 68.531 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.02 min
Lab File: BF116035.D
Acq: 7 Aug 2019 3:12

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.6	8.4
122	12.0	8.6	13.0





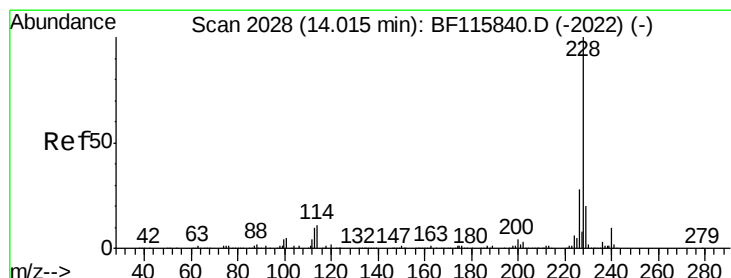
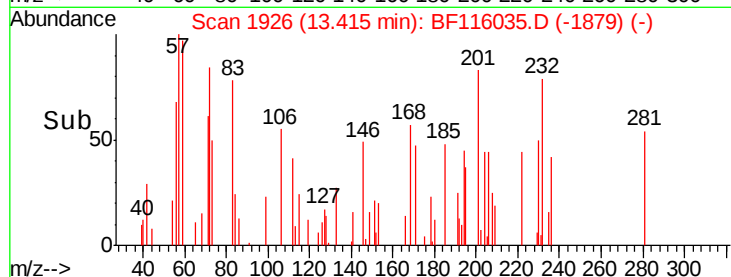
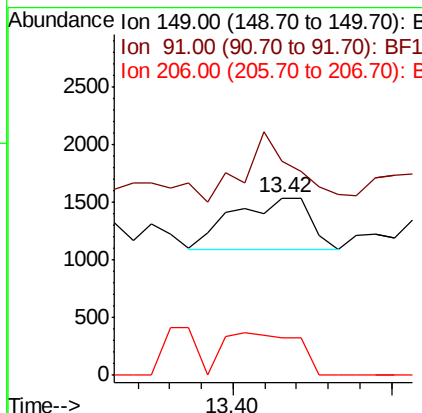
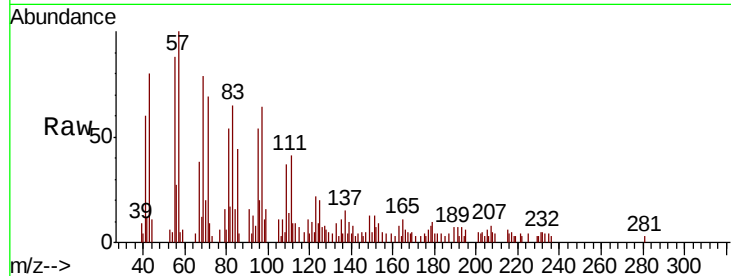
#80
Butylbenzylphthalate
Concen: 0.074 ng
RT: 13.42 min Scan# 1926
Delta R.T. -0.02 min
Lab File: BF116035.D
Acq: 7 Aug 2019 3:12

Instrument :
BNA_F
ClientSampleId :
RT-3407

Tot Ion	Ratio	Lower	Upper
149	100		
91	120.8	57.0	85.6#
206	20.9	16.9	25.3

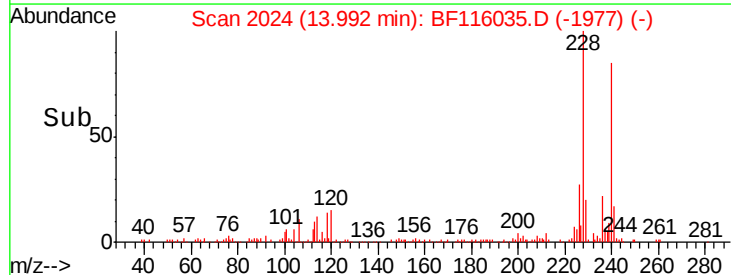
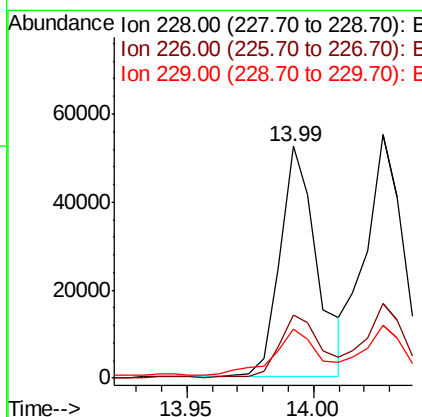
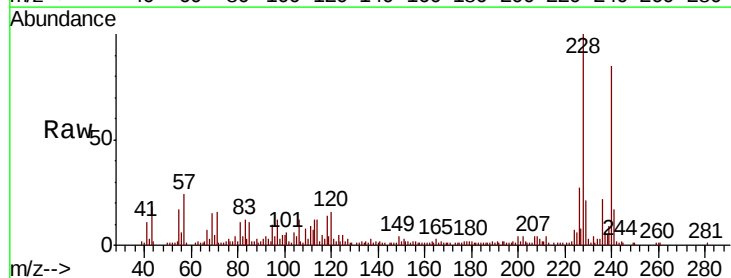
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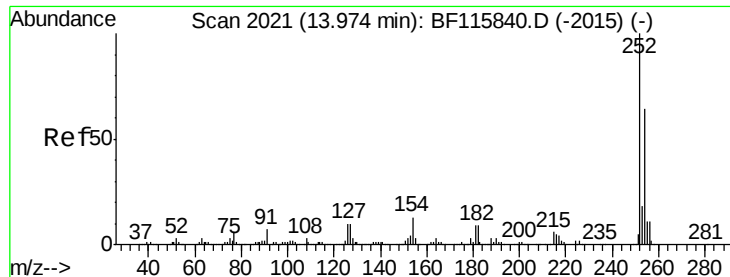
mohammad
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#81
Benzo(a)anthracene
Concen: 2.673 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.02 min
Lab File: BF116035.D
Acq: 7 Aug 2019 3:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.5	33.7
229	20.9	16.1	24.1





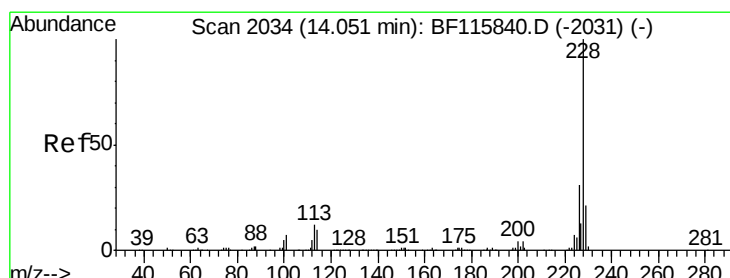
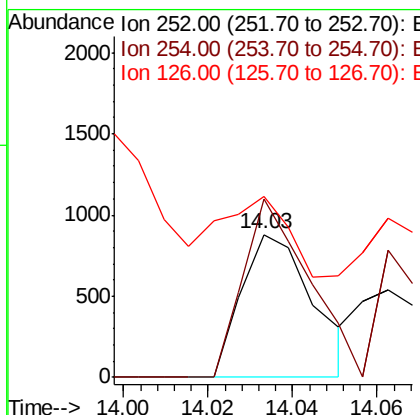
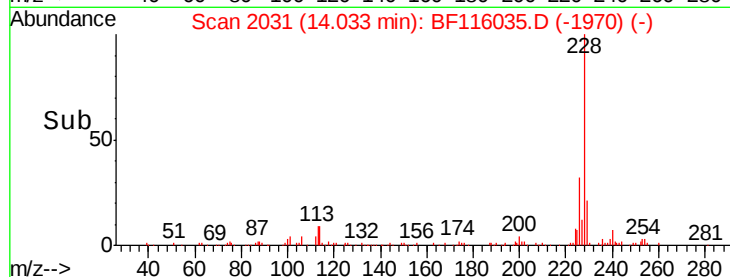
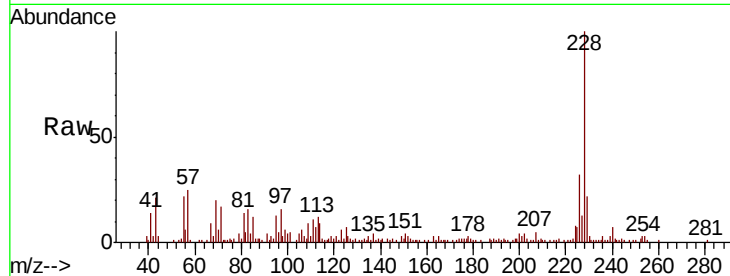
#82
 3,3'-Dichlorobenzidine
 Concen: 0.148 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. 0.06 min
 Lab File: BF116035.D
 Acq: 7 Aug 2019 3:12

Instrument :
 BNA_F
 ClientSampleId :
 RT-3407

Tot Ion	Ratio	Lower	Upper
252	100		
254	124.5	51.2	76.8#
126	127.0	8.1	12.1#

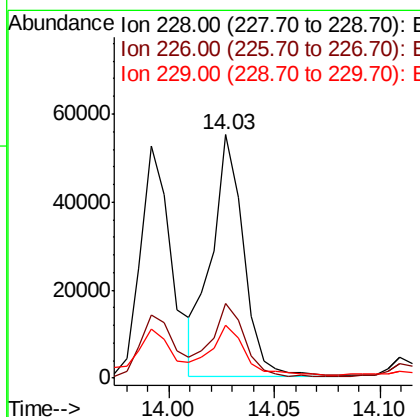
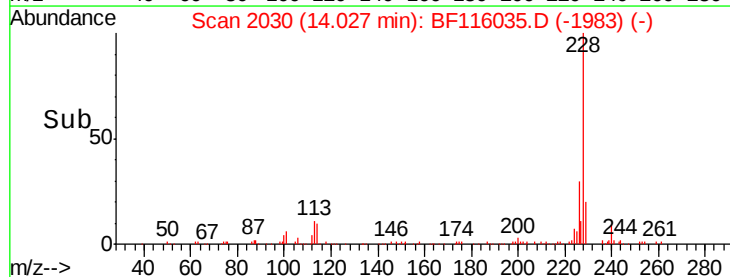
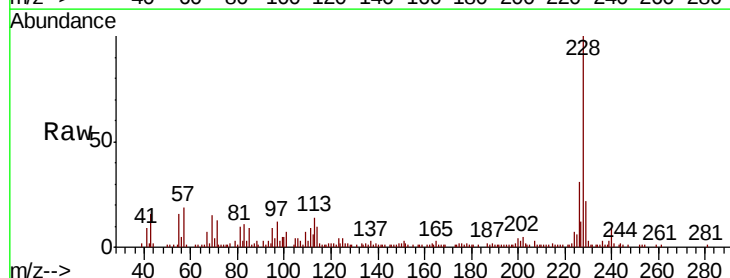
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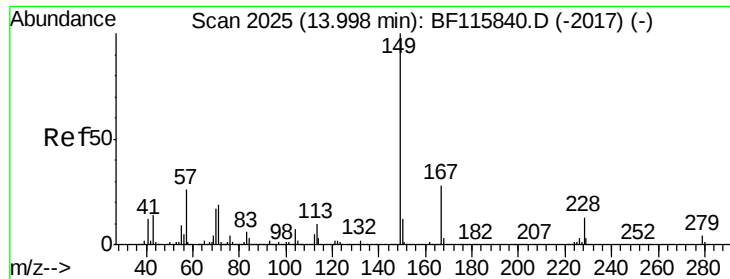
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#83
 Chrysene
 Concen: 2.996 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.02 min
 Lab File: BF116035.D
 Acq: 7 Aug 2019 3:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.8	37.2
229	21.6	16.4	24.6





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.489 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.02 min

Lab File: BF116035.D

Acq: 7 Aug 2019 3:12

Instrument :

BNA_F

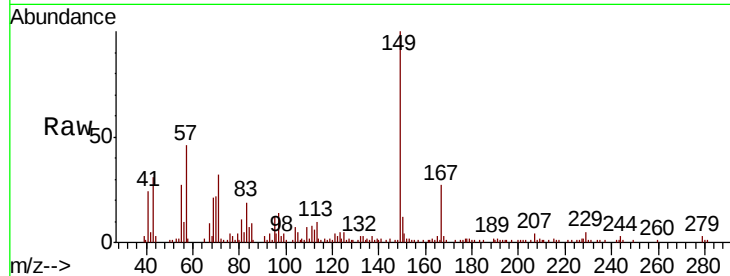
ClientSampleId :

RT-3407

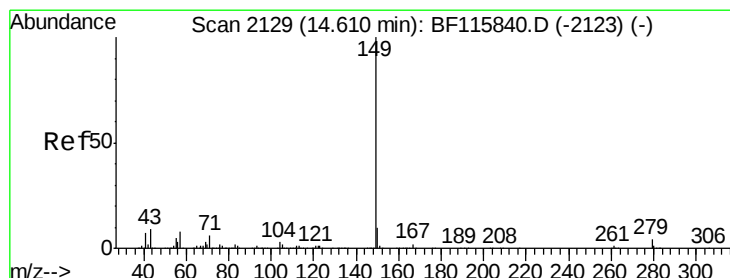
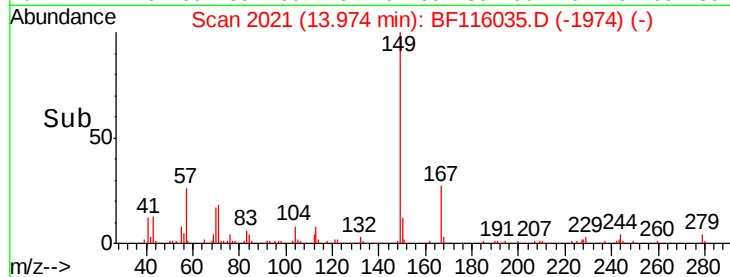
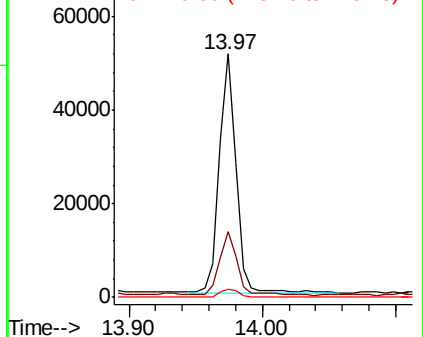
Tot Ion:	149	Resp:	45272
Ion Ratio	Lower	Upper	
149	100		
167	27.2	22.4	33.6
279	3.4	3.3	4.9

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 0.053 ng

RT: 14.58 min Scan# 2124

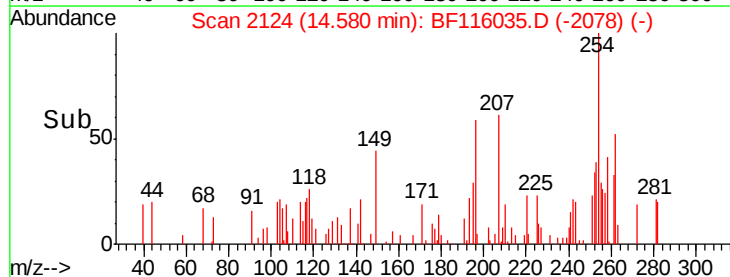
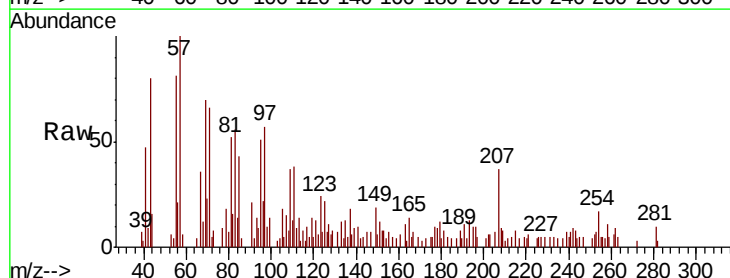
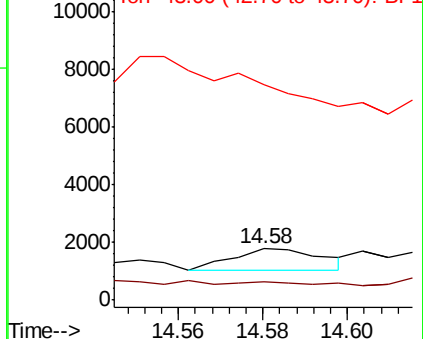
Delta R.T. -0.03 min

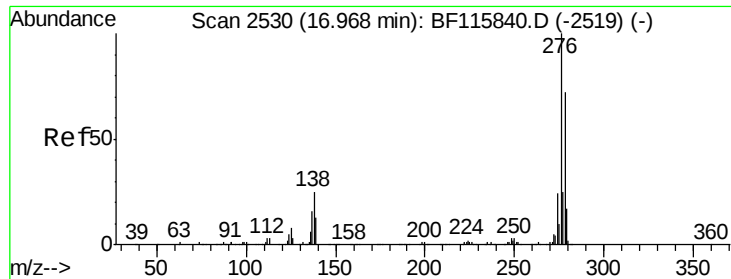
Lab File: BF116035.D

Acq: 7 Aug 2019 3:12

Tgt Ion:	149	Resp:	1086
Ion Ratio	Lower	Upper	
149	100		
167	0.0	1.2	1.8#
43	0.0	7.4	11.0#

Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1





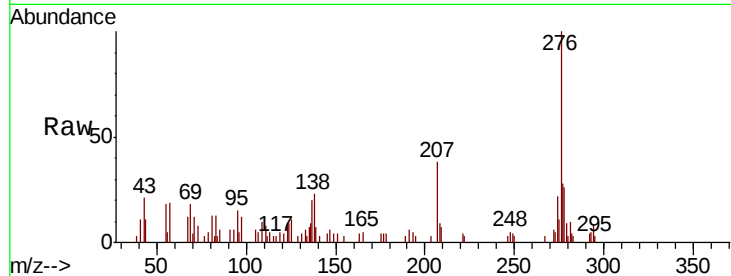
#86
Indeno(1,2,3-cd)pyrene
Concen: 1.421 ng
RT: 16.94 min Scan# 2525
Delta R.T. -0.03 min
Lab File: BF116035.D
Acq: 7 Aug 2019 3:12

Instrument :
BNA_F
ClientSampleId :
RT-3407

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.8	19.6	29.4
277	30.2	20.1	30.1#

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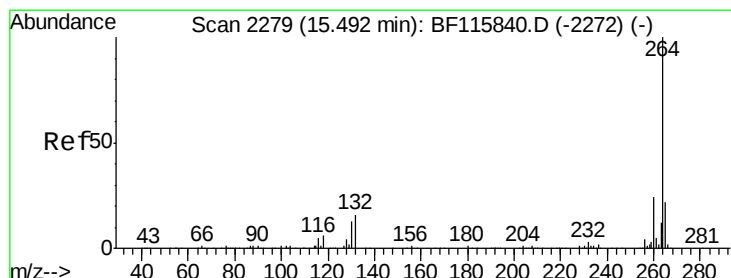
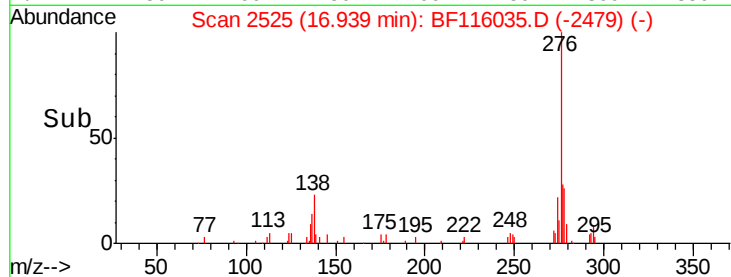
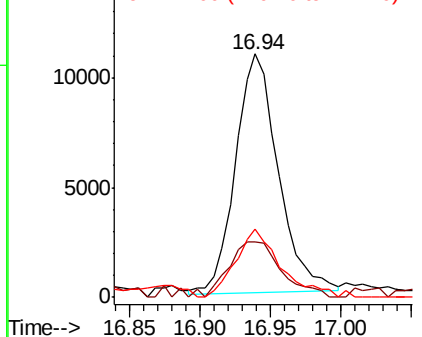


Abundance

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: BF116035.D
Acq: 7 Aug 2019 3:12

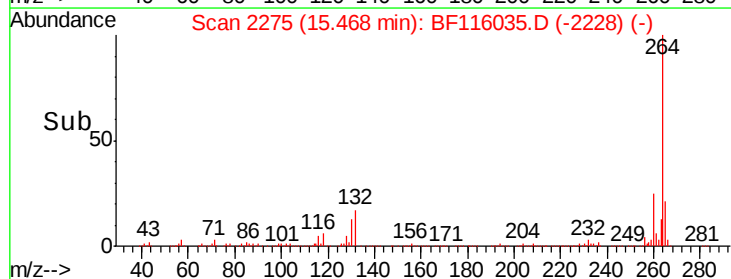
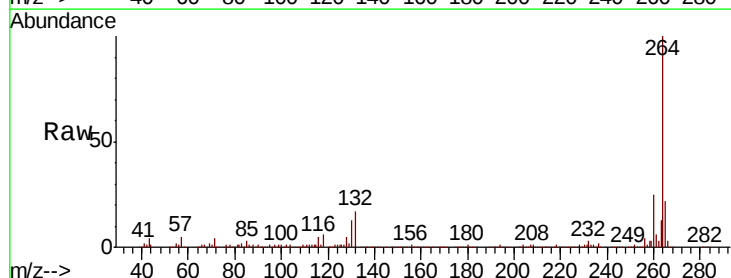
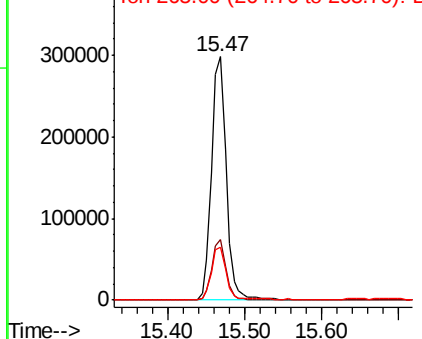
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.4	29.2
265	21.6	17.5	26.3

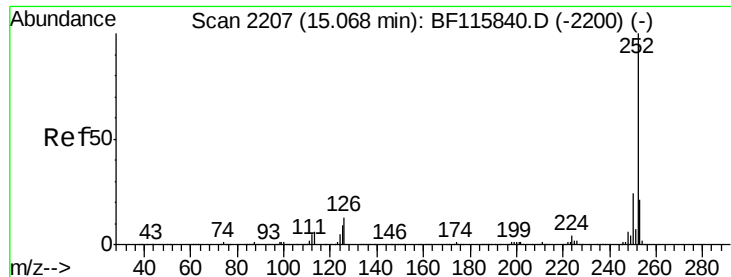
Abundance

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





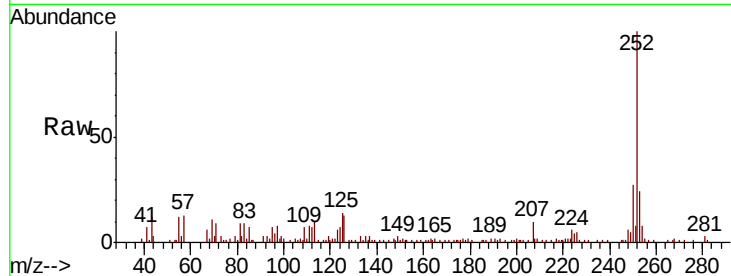
#88
Benzo(b)fluoranthene
Concen: 2.813 ng/mL
RT: 15.04 min Scan# 2203
Delta R.T. -0.02 min
Lab File: BF116035.D
Acq: 7 Aug 2019 3:12

Instrument :
BNA_F
ClientSampled :
RT-3407

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.2	25.8
125	14.2	7.4	11.0

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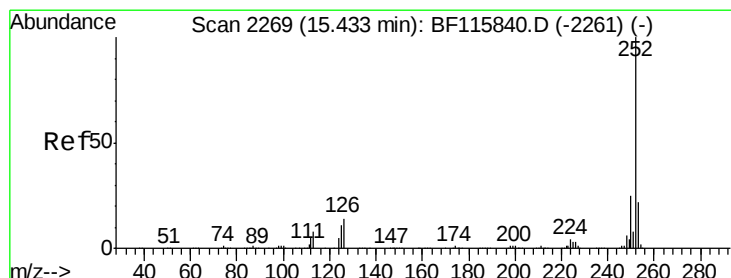
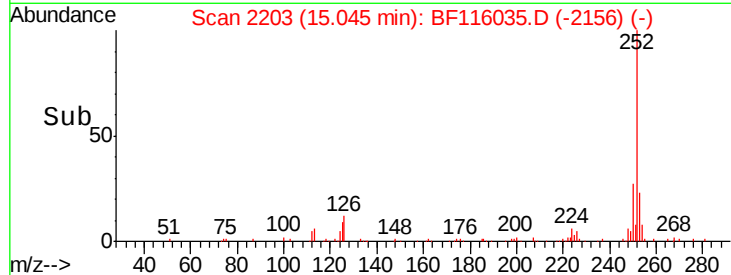
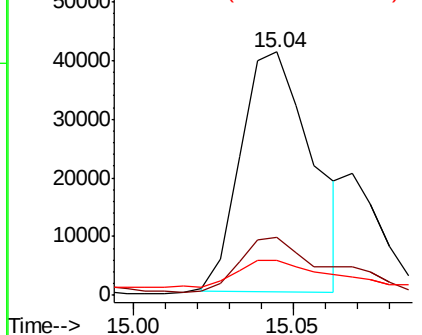


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 1.963 ng/mL
RT: 15.40 min Scan# 2264
Delta R.T. -0.03 min
Lab File: BF116035.D
Acq: 7 Aug 2019 3:12

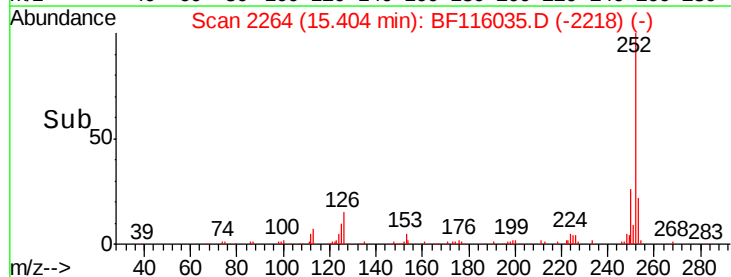
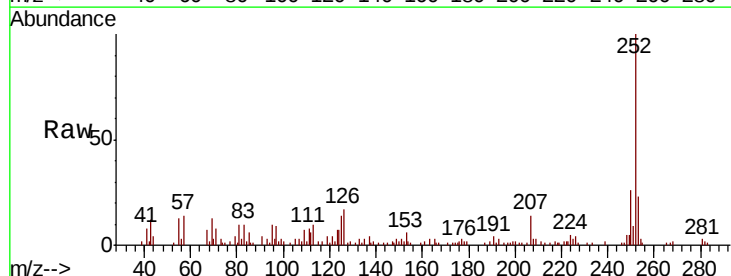
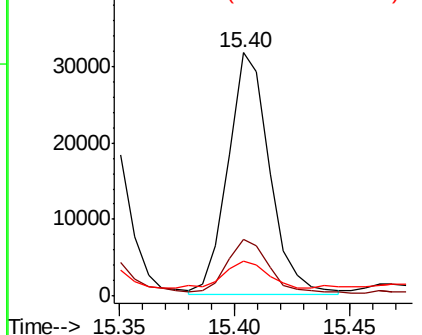
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.6
125	14.5	8.8	13.2

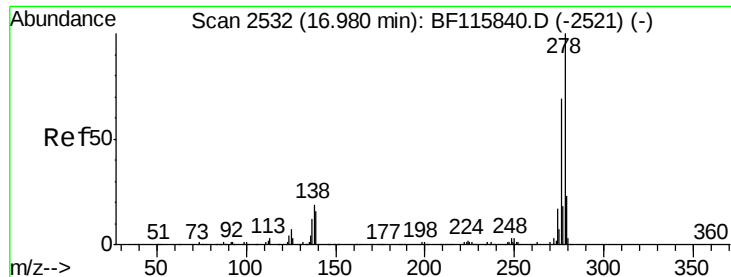
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





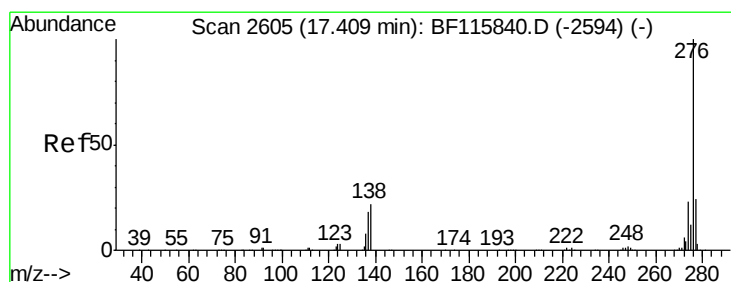
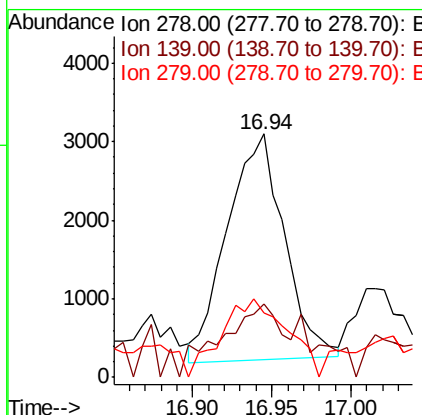
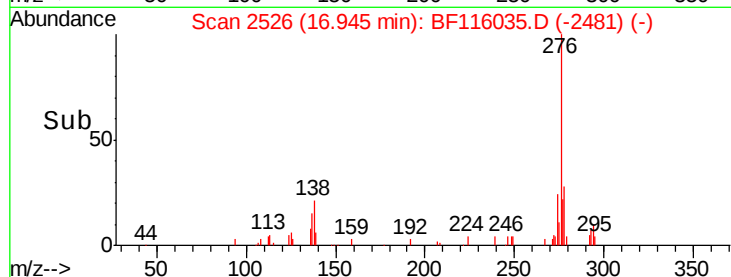
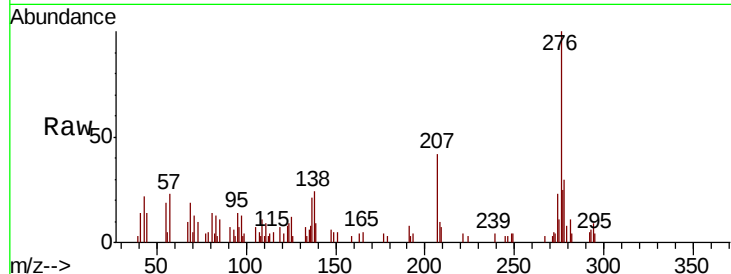
#91
Dibenzo(a,h)anthracene
Concen: 0.410 ng
RT: 16.94 min Scan# 2526
Delta R.T. -0.04 min
Lab File: BF116035.D
Acq: 7 Aug 2019 3:12

Instrument :
BNA_F
ClientSampleId :
RT-3407

Tot Ion	Ratio	Lower	Upper
278	100		
139	30.1	12.6	19.0#
279	26.7	18.8	28.2

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#92
Benzo(g,h,i)perylene
Concen: 1.412 ng
RT: 17.39 min Scan# 2601
Delta R.T. -0.02 min
Lab File: BF116035.D
Acq: 7 Aug 2019 3:12

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.5	29.3
138	23.2	17.8	26.8

