

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122619\
 Data File : BN009178.D
 Acq On : 26 Dec 2019 18:28
 Operator : JU
 Sample : K6381-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CB5R2

Manual Integrations
 APPROVED

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 12/27/2019 3:20:08 PM

Quant Time: Dec 27 01:44:07 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN122419MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 27 01:30:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	269615	20.00	ng/ul	0.00
18) Naphthalene-d8	10.27	136	1240236	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.15	164	801258	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.90	188	1671903	20.00	ng/ul	0.00
77) Chrysene-d12	21.11	240	1351358	20.00	ng/ul	0.00
85) Perylene-d12	23.25	264	1220671	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	34107	5.78	ng/uL	0.00
5) Phenol-d5	6.71	99	847223	33.06	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.87	67	550487	33.53	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	644693	35.11	ng/ul	0.00
13) 4-Methylphenol-d8	8.23	113	703800	34.01	ng/ul	0.00
19) Nitrobenzene-d5	8.66	128	339088	36.30	ng/ul	0.00
22) 2-Nitrophenol-d4	9.37	143	395232	37.91	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.90	165	681765	34.63	ng/ul	0.00
29) 4-Chloroaniline-d4	10.42	131	916807	38.65	ng/ul	0.00
43) Dimethylphthalate-d6	13.57	166	2074740	34.48	ng/ul	0.00
46) Acenaphthylene-d8	13.85	160	2584407	36.63	ng/ul	0.00
51) 4-Nitrophenol-d4	14.37	143	381610	31.89	ng/ul	0.00
57) Fluorene-d10	15.15	176	1845064	35.20	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.29	200	247070	23.69	ng/ul	0.00
70) Anthracene-d10	17.00	188	2693281	34.63	ng/ul	0.00
78) Pyrene-d10	19.31	212	2985183	42.34	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.12	264	2312124	37.59	ng/ul	0.00

Target Compounds

					Ovalue	
4) Benzaldehyde	6.68	77	24319	1.513	ng/ul	95
28) Naphthalene	10.32	128	168444	2.545	ng/ul	99
34) 2-Methylnaphthalene	11.95	142	69889	1.465	ng/ul	94
44) Dimethylphthalate	13.62	163	144976	2.356	ng/ul	98
49) Acenaphthene	14.22	153	158348	3.116	ng/ul	97
53) Dibenzofuran	14.56	168	158474	2.221	ng/ul	98
58) Fluorene	15.21	166	172509	2.894	ng/ul	93
69) Phenanthrene	16.95	178	2918818	31.664	ng/ul	99
71) Anthracene	17.03	178	570587	6.016	ng/ul	98
74) Carbazole	17.30	167	273349	3.335	ng/ul	99
76) Fluoranthene	18.97	202	3750683	35.229	ng/ul	99
79) Pyrene	19.34	202	3148951	33.598	ng/ul	99
82) Benzo(a)anthracene	21.10	228	1546039	16.932	ng/ul	97
83) Bis(2-ethylhexyl)phthalate	21.06	149	69281	1.097	ng/ul	99
84) Chrysene	21.14	228	1498858	17.081	ng/ul	98
87) Benzo(b)fluoranthene	22.62	252	1659147	22.239	ng/ul	99
88) Benzo(k)fluoranthene	22.66	252	382936m	5.256	ng/ul	
90) Benzo(a)pyrene	23.16	252	940986	13.736	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.34	276	545543	6.573	ng/ul	96
92) Dibenz(a,h)anthracene	25.34	278	163702	2.337	ng/ul#	93
93) Benzo(a,h,i)perylene	25.98	276	537442	7.739	ng/ul	98

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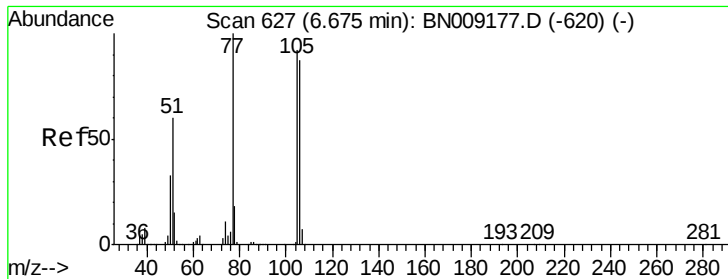
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Quant Time: Dec 27 01:44:07 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN122419MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 27 01:30:55 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#4

Benzaldehyde

Concen: 1.513 ng/ul

RT: 6.68 min Scan# 627

Delta R.T. -0.00 min

Lab File: BN009178.D

Acq: 26 Dec 2019 18:28

Instrument :

BNA_N

ClientSampleId :

CB5R2

Tot Ion: 77 Resp: 24319

Ion Ratio Lower Upper

77 100

105 97.6 73.9 110.9

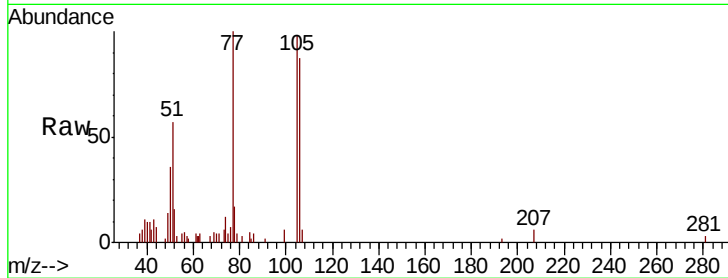
106 86.5 72.1 108.1

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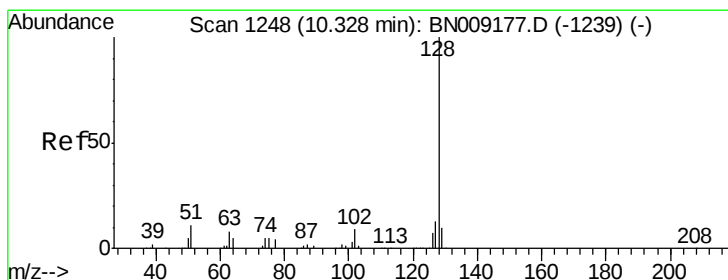
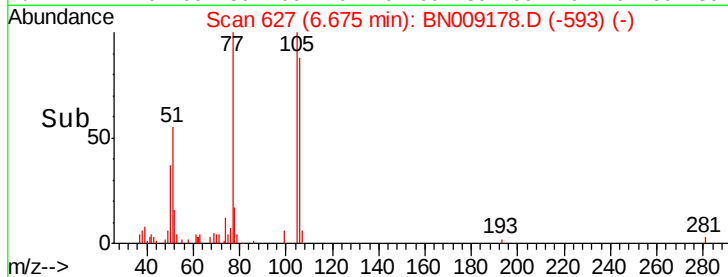
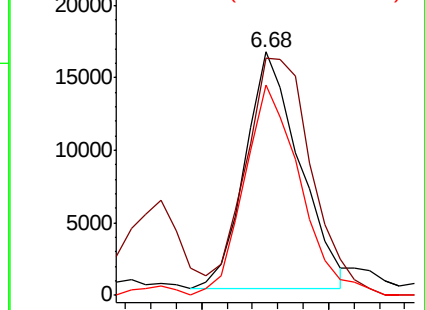
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Abundance Ion 77.00 (76.70 to 77.70): BN009177.D (-620) (-)

Ion 105.00 (104.70 to 105.70): BN009177.D (-620) (-)

Ion 106.00 (105.70 to 106.70): BN009177.D (-620) (-)



#28

Naphthalene

Concen: 2.545 ng/ul

RT: 10.32 min Scan# 1247

Delta R.T. -0.01 min

Lab File: BN009178.D

Acq: 26 Dec 2019 18:28

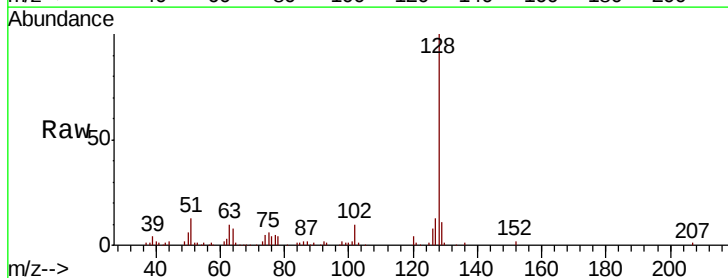
Tgt Ion: 128 Resp: 168444

Ion Ratio Lower Upper

128 100

129 10.5 8.7 13.1

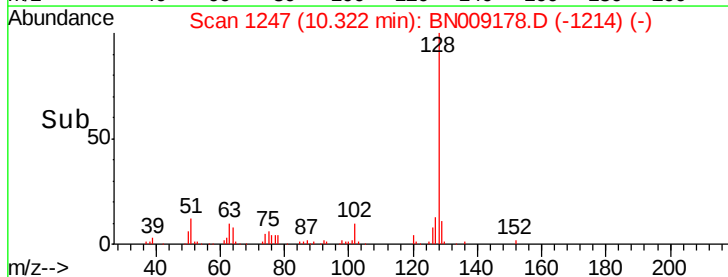
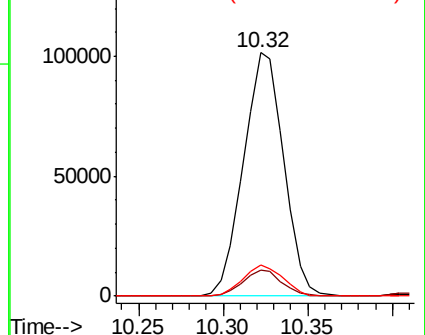
127 13.0 10.4 15.6

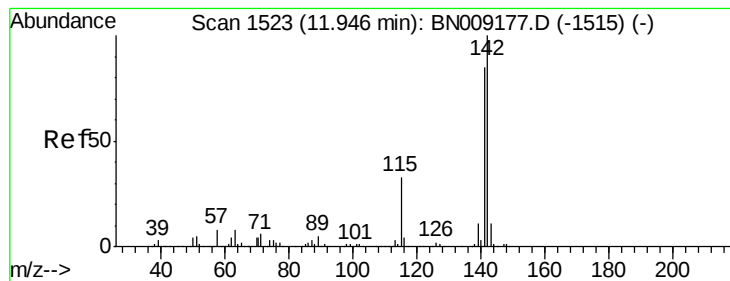


Abundance Ion 128.00 (127.70 to 128.70): BN009177.D (-1239) (-)

Ion 129.00 (128.70 to 129.70): BN009177.D (-1239) (-)

Ion 127.00 (126.70 to 127.70): BN009177.D (-1239) (-)





#34

2-Methylnaphthalene

Concen: 1.465 ng/ul

RT: 11.95 min Scan# 1523

Delta R.T. -0.00 min

Lab File: BN009178.D

Acq: 26 Dec 2019 18:28

Instrument :

BNA_N

ClientSampleId :

CB5R2

Tot Ion:142 Resp: 69889

Ion Ratio Lower Upper

142 100

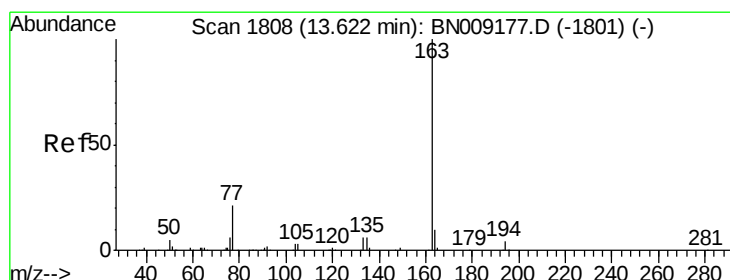
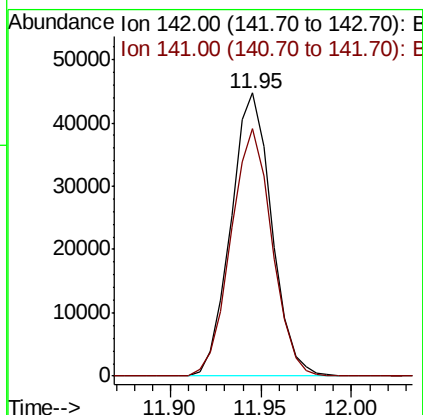
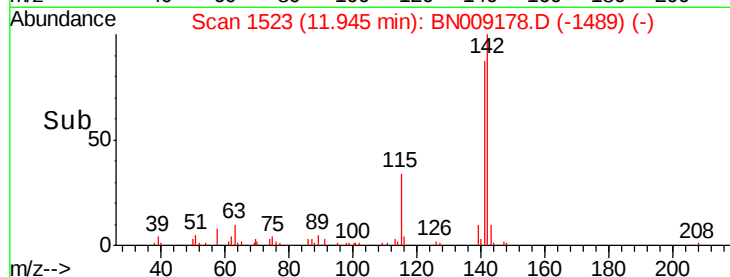
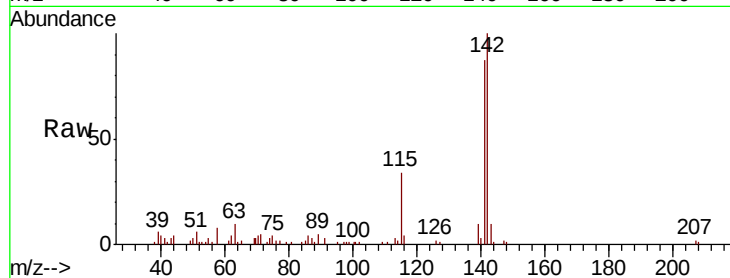
141 87.3 65.8 98.6

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#44

Dimethylphthalate

Concen: 2.356 ng/ul

RT: 13.62 min Scan# 1808

Delta R.T. -0.00 min

Lab File: BN009178.D

Acq: 26 Dec 2019 18:28

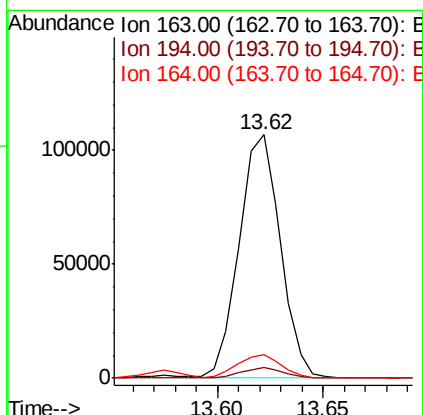
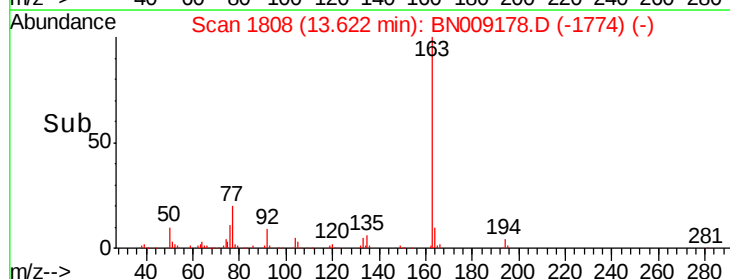
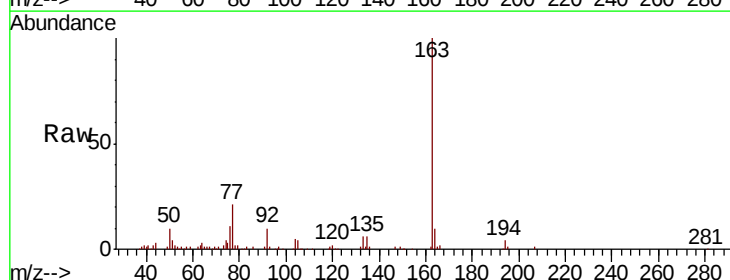
Tgt Ion:163 Resp: 144976

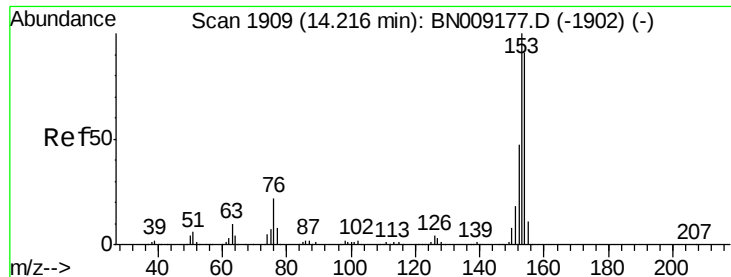
Ion Ratio Lower Upper

163 100

194 4.2 3.5 5.3

164 9.5 8.3 12.5





#49

Acenaphthene

Concen: 3.116 ng/ul

RT: 14.22 min Scan# 1909

Delta R.T. -0.00 min

Lab File: BN009178.D

Acq: 26 Dec 2019 18:28

Instrument :

BNA_N

ClientSampled :

CB5R2

Tot Ion:153 Resp: 158348

Ion Ratio Lower Upper

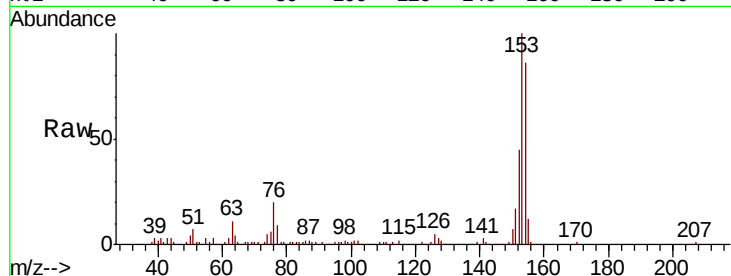
153 100

152 45.0 37.8 56.8

154 86.2 71.3 106.9

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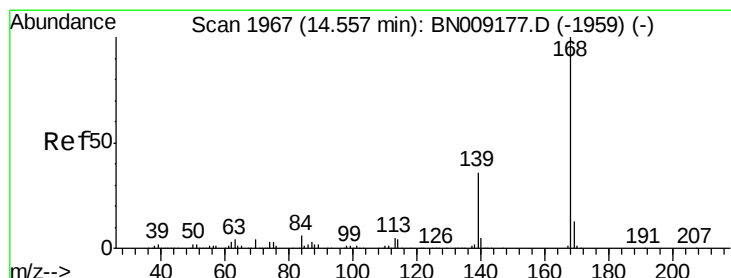
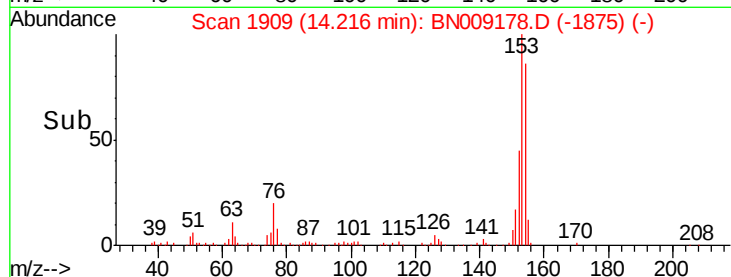
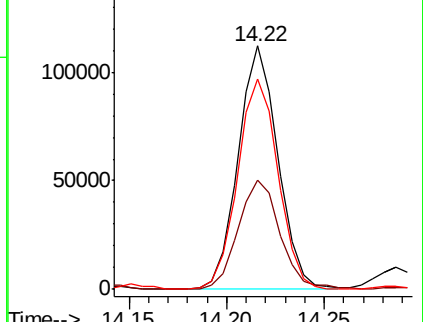
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 2.221 ng/ul

RT: 14.56 min Scan# 1967

Delta R.T. -0.00 min

Lab File: BN009178.D

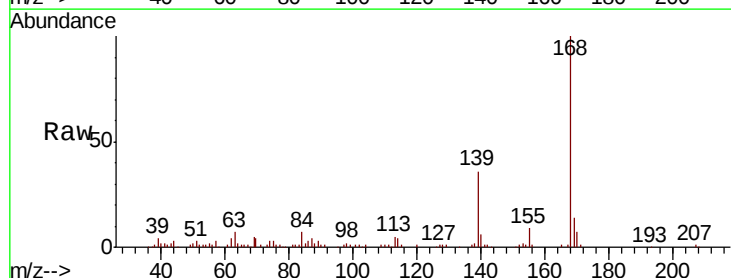
Acq: 26 Dec 2019 18:28

Tgt Ion:168 Resp: 158474

Ion Ratio Lower Upper

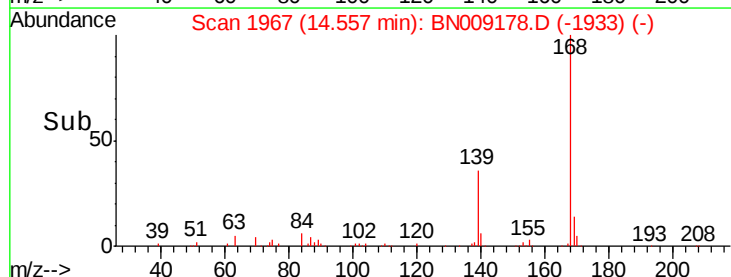
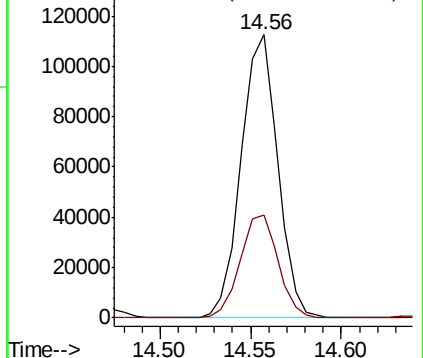
168 100

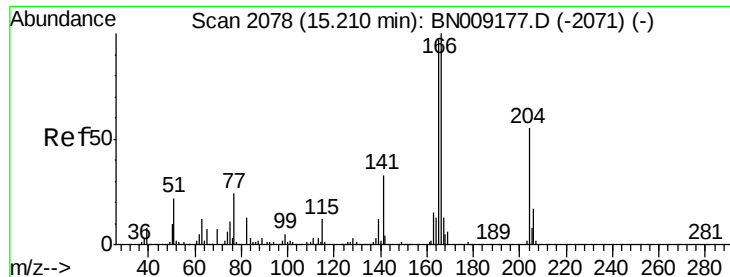
139 36.4 30.3 45.5



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





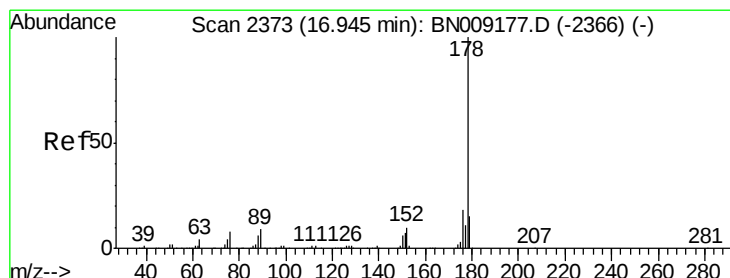
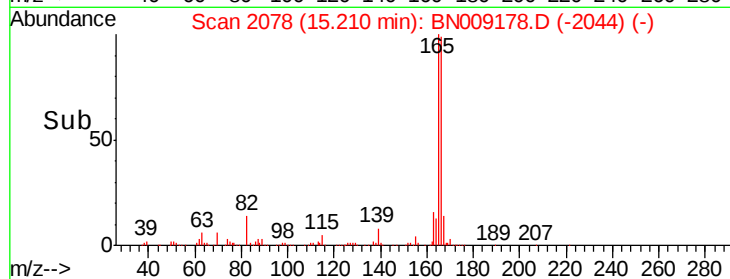
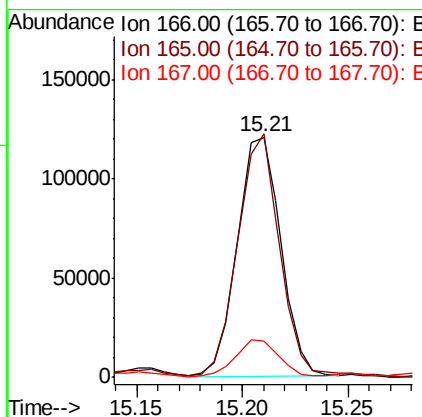
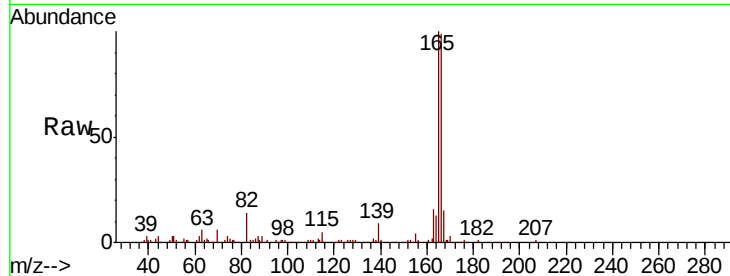
#58
 Fluorene
 Concen: 2.894 ng/ul
 RT: 15.21 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: BN009178.D
 Acq: 26 Dec 2019 18:28

Instrument :
 BNA_N
 ClientSampleId :
 CB5R2

Tot Ion	Ratio	Lower	Upper
166	100		
165	101.3	75.3	112.9
167	14.9	10.6	16.0

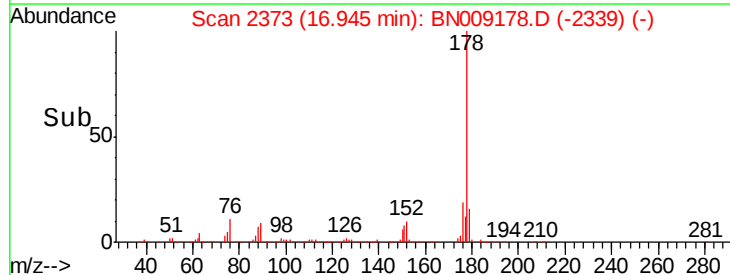
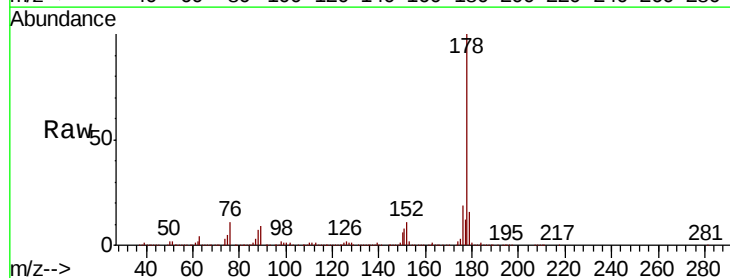
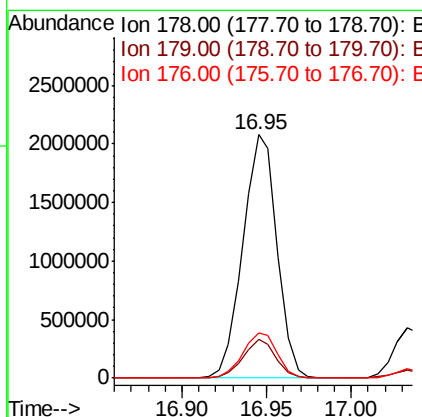
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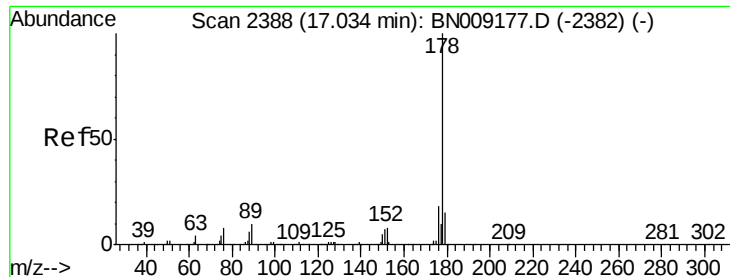
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#69
 Phenanthrene
 Concen: 31.664 ng/ul
 RT: 16.95 min Scan# 2373
 Delta R.T. -0.00 min
 Lab File: BN009178.D
 Acq: 26 Dec 2019 18:28

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.8	11.8	17.8
176	18.7	15.2	22.8





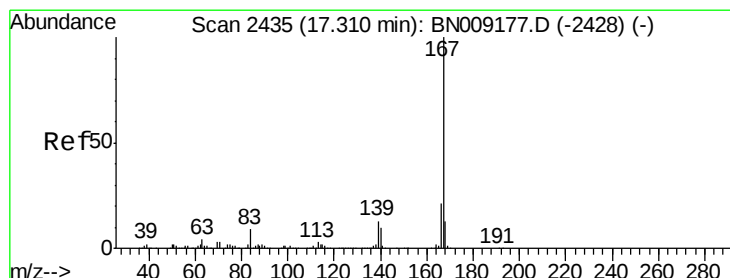
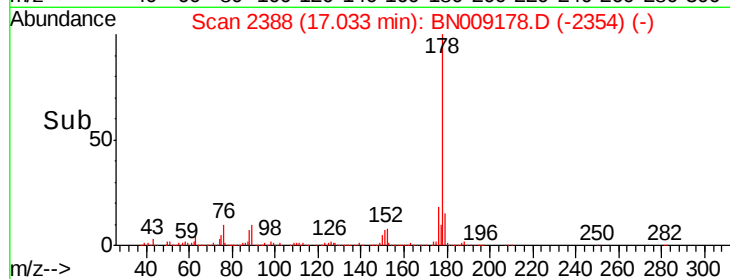
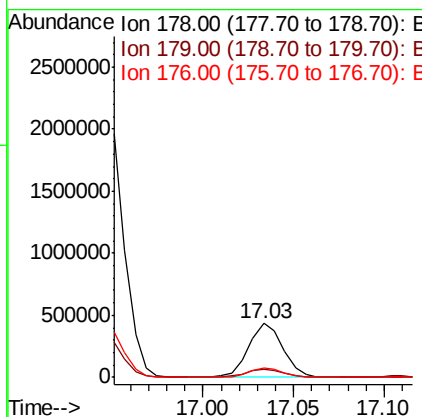
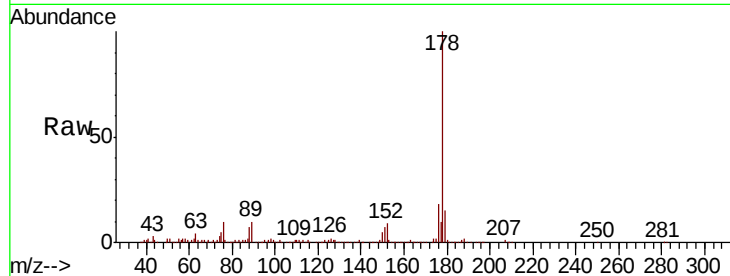
#71
 Anthracene
 Concen: 6.016 ng/ul
 RT: 17.03 min Scan# 2388
 Delta R.T. -0.00 min
 Lab File: BN009178.D
 Acq: 26 Dec 2019 18:28

Instrument :
 BNA_N
 ClientSampleId :
 CB5R2

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.6	18.8
176	17.7	14.8	22.2

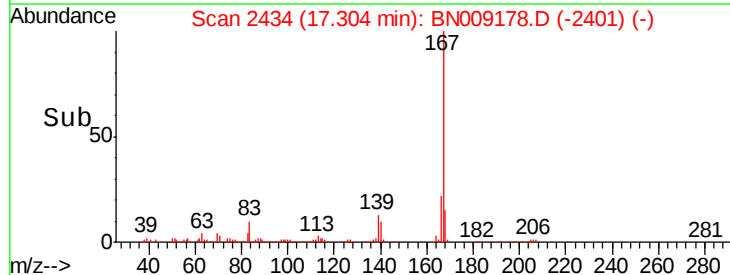
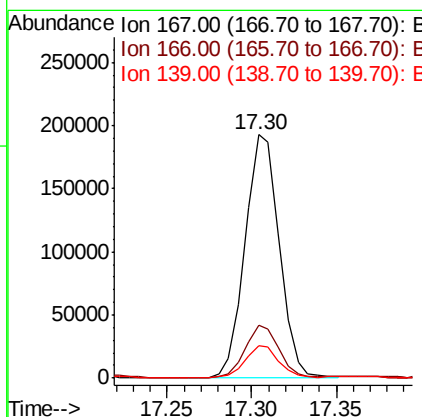
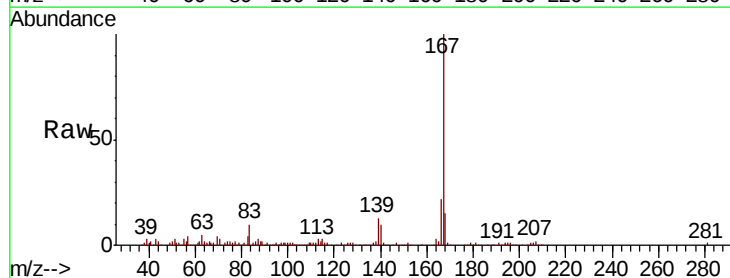
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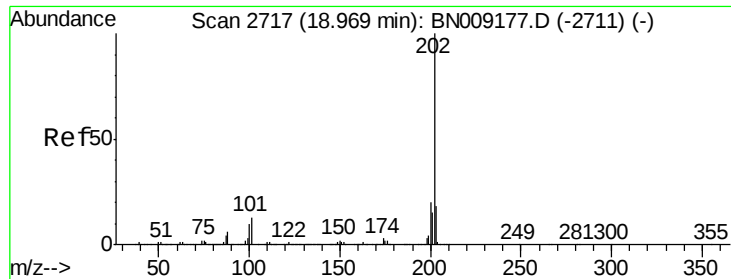
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#74
 Carbazole
 Concen: 3.335 ng/ul
 RT: 17.30 min Scan# 2434
 Delta R.T. -0.01 min
 Lab File: BN009178.D
 Acq: 26 Dec 2019 18:28

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.9	16.8	25.2
139	13.1	10.6	15.8





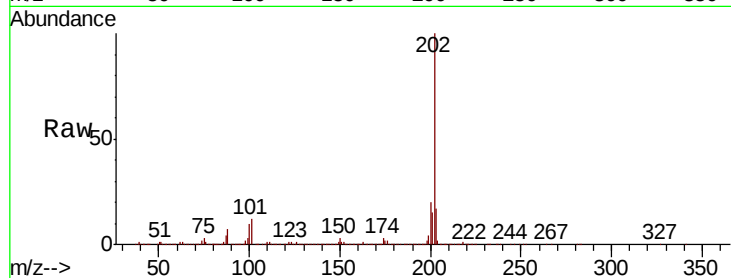
#76
Fluoranthene
Concen: 35.229 ng/ul
RT: 18.97 min Scan# 2717
Delta R.T. -0.00 min
Lab File: BN009178.D
Acq: 26 Dec 2019 18:28

Instrument :
BNA_N
ClientSampleId :
CB5R2

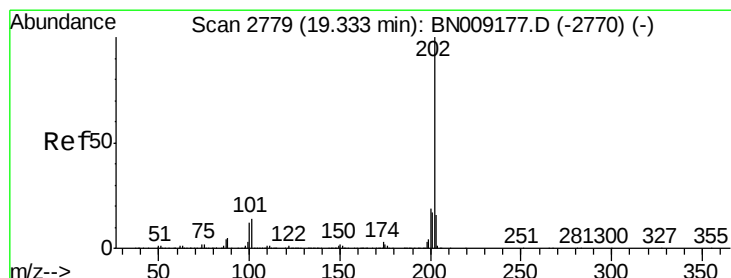
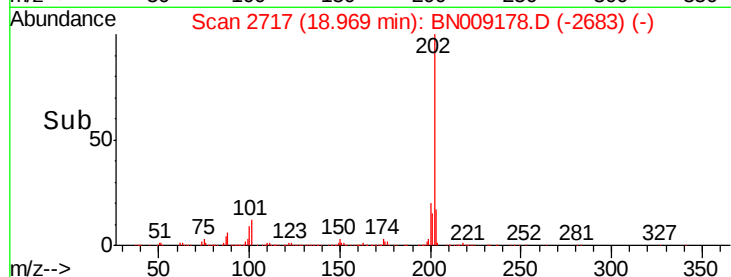
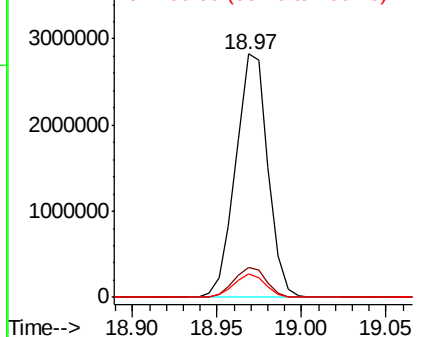
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.3	9.3	13.9
100	9.5	7.6	11.4

Manual Integrations
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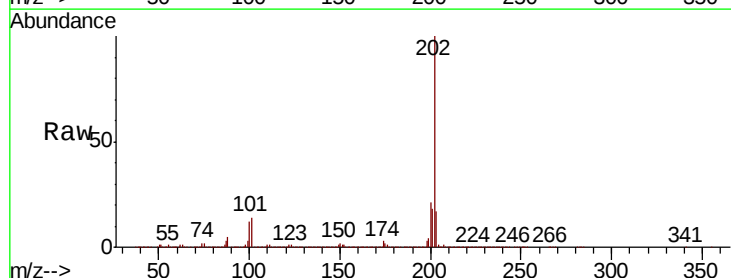


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

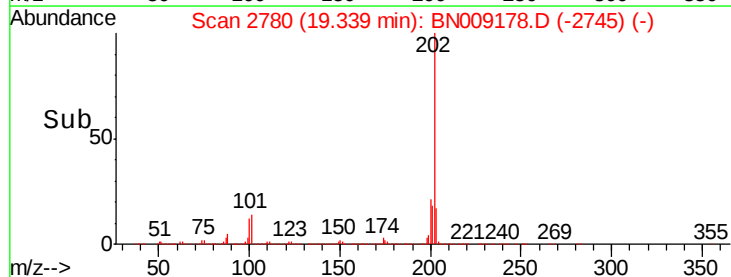
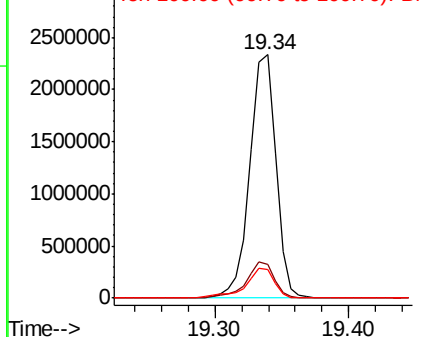


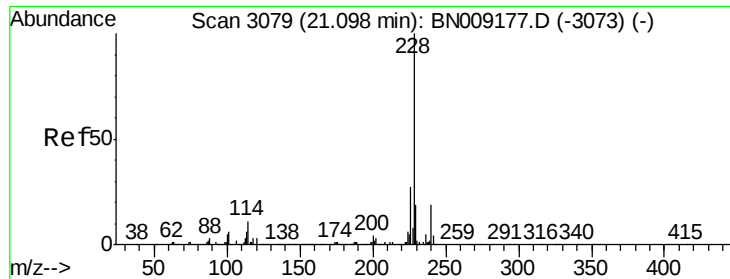
#79
Pyrene
Concen: 33.598 ng/ul
RT: 19.34 min Scan# 2780
Delta R.T. 0.01 min
Lab File: BN009178.D
Acq: 26 Dec 2019 18:28

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.6	11.1	16.7
100	11.7	9.0	13.4



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B





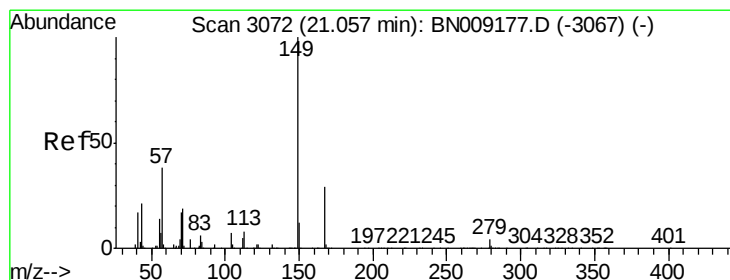
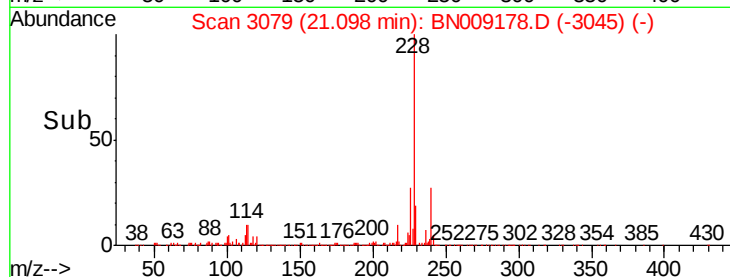
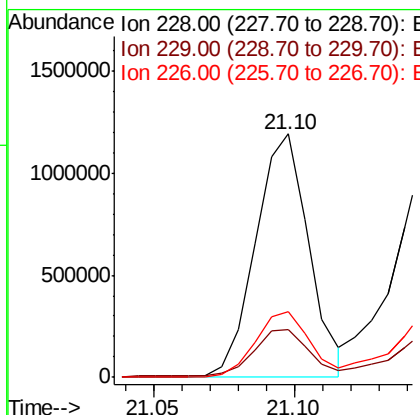
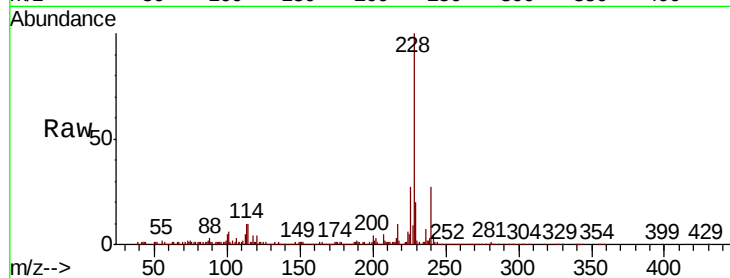
#82
Benzo(a)anthracene
Concen: 16.932 ng/ul
RT: 21.10 min Scan# 3079
Delta R.T. -0.00 min
Lab File: BN009178.D
Acq: 26 Dec 2019 18:28

Instrument :
BNA_N
ClientSampled :
CB5R2

Tot Ion	Ratio	Lower	Upper
228	100		
229	19.7	15.2	22.8
226	26.8	19.8	29.6

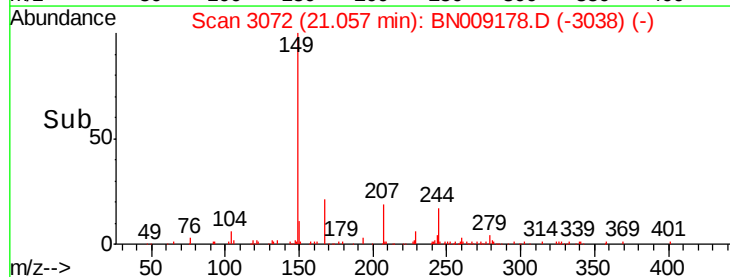
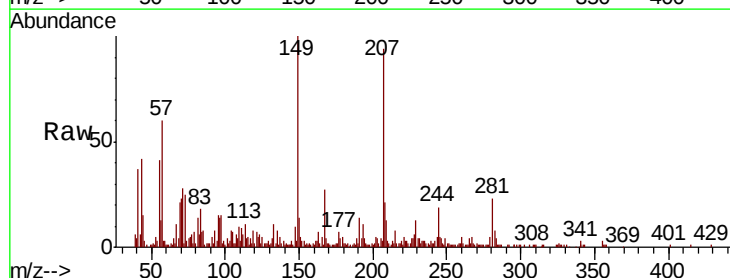
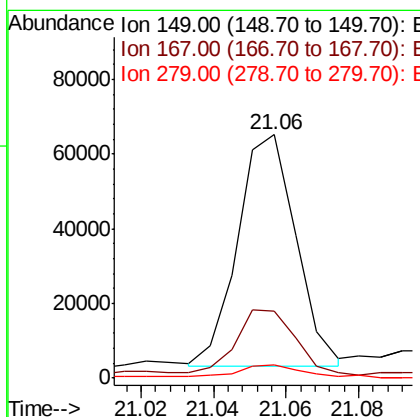
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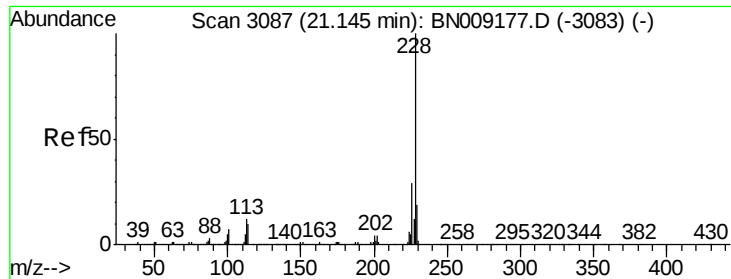
mohammad
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#83
Bis(2-ethylhexyl)phthalate
Concen: 1.097 ng/ul
RT: 21.06 min Scan# 3072
Delta R.T. -0.00 min
Lab File: BN009178.D
Acq: 26 Dec 2019 18:28

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.3	22.2	33.2
279	5.3	3.5	5.3





#84

Chrysene

Concen: 17.081 ng/ul

RT: 21.14 min Scan# 3087

Delta R.T. -0.00 min

Lab File: BN009178.D

Acq: 26 Dec 2019 18:28

Instrument :

BNA_N

ClientSampleId :

CB5R2

Tot Ion:228 Resp: 1498858

Ion Ratio Lower Upper

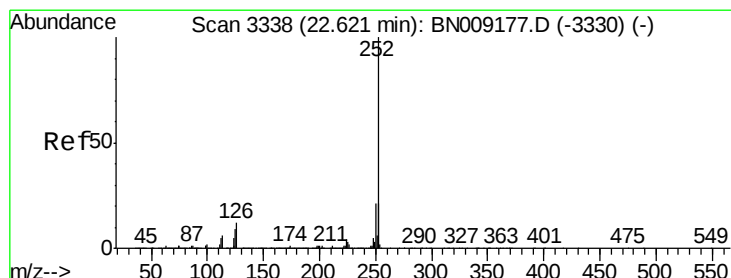
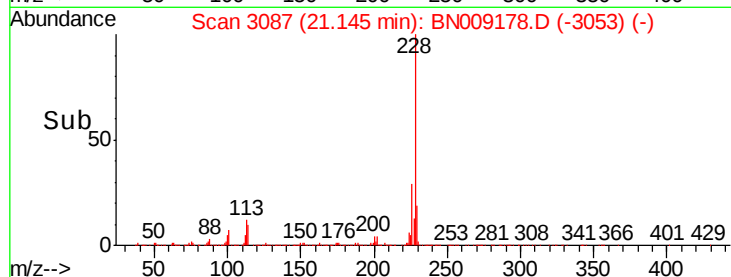
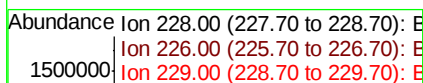
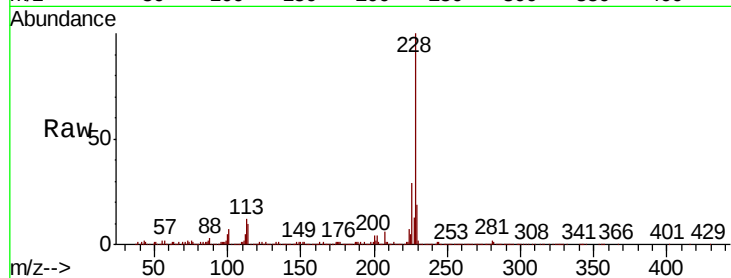
228 100

226 28.6 23.9 35.9

229 19.4 15.9 23.9

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#87

Benzo(b)fluoranthene

Concen: 22.239 ng/ul

RT: 22.62 min Scan# 3338

Delta R.T. -0.00 min

Lab File: BN009178.D

Acq: 26 Dec 2019 18:28

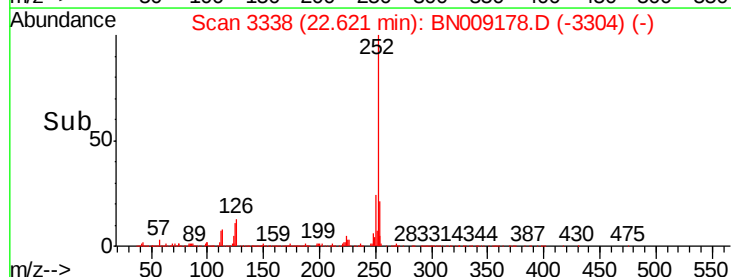
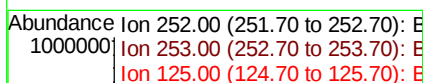
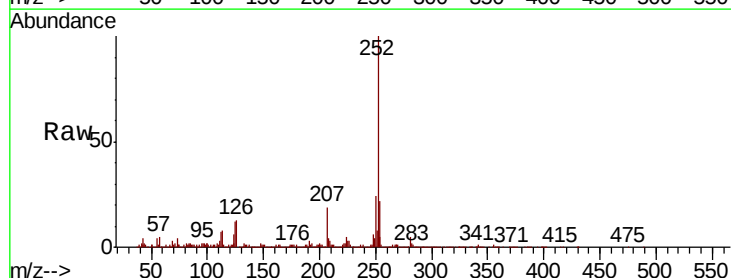
Tgt Ion:252 Resp: 1659147

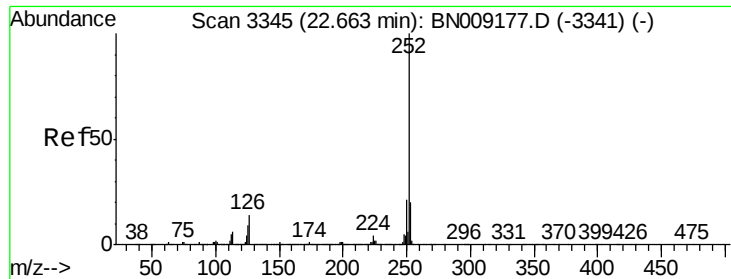
Ion Ratio Lower Upper

252 100

253 21.9 17.2 25.8

125 11.5 8.5 12.7





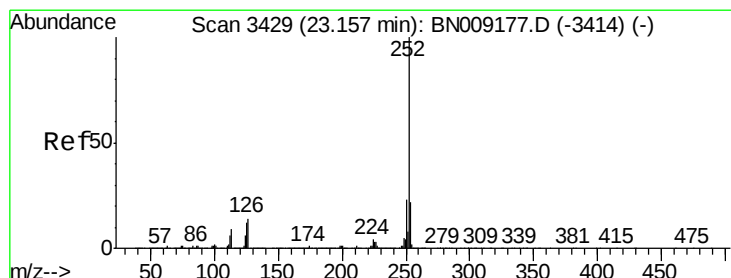
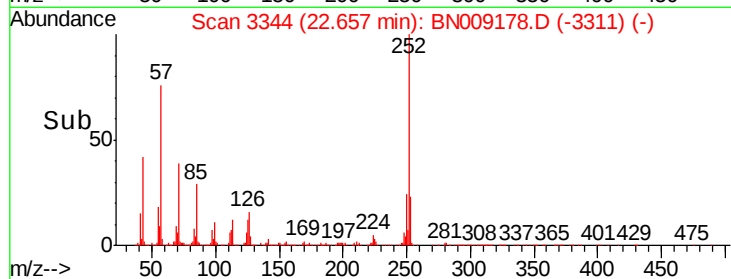
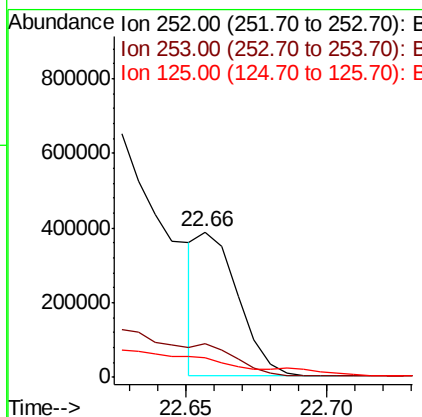
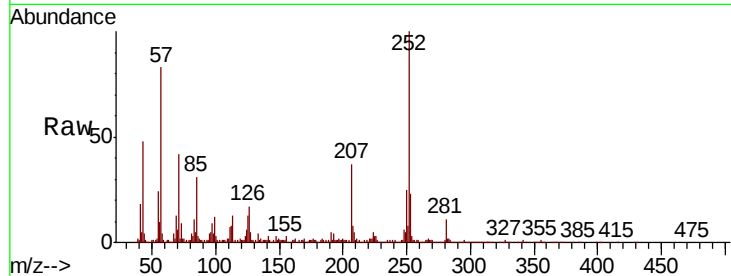
#88
Benzo(k)fluoranthene
Concen: 5.256 ng/ul m
RT: 22.66 min Scan# 3344
Delta R.T. -0.01 min
Lab File: BN009178.D
Acq: 26 Dec 2019 18:28

Instrument :
BNA_N
ClientSampled :
CB5R2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.4	26.0
125	13.4	8.8	13.2#

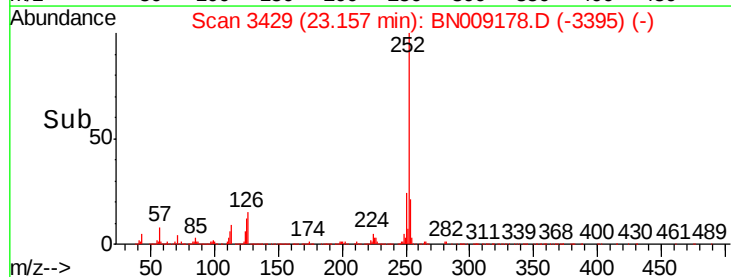
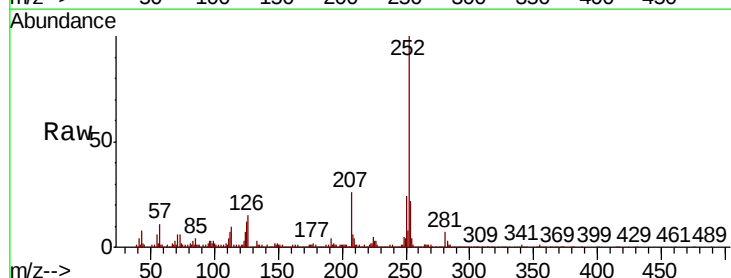
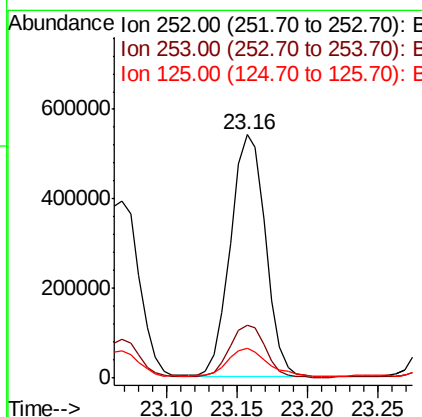
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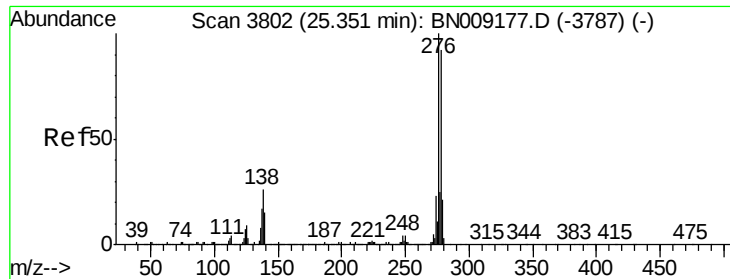
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#90
Benzo(a)pyrene
Concen: 13.736 ng/ul
RT: 23.16 min Scan# 3429
Delta R.T. -0.00 min
Lab File: BN009178.D
Acq: 26 Dec 2019 18:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	12.3	9.5	14.3





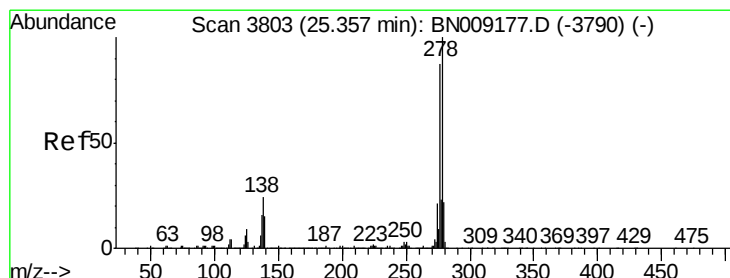
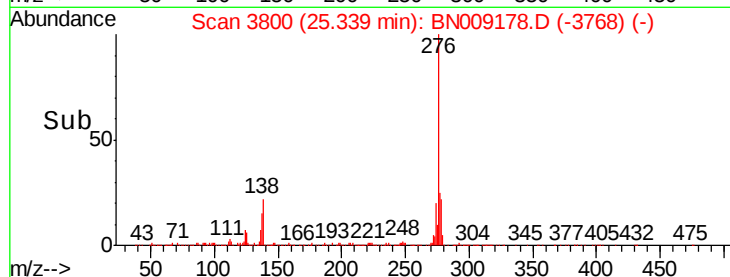
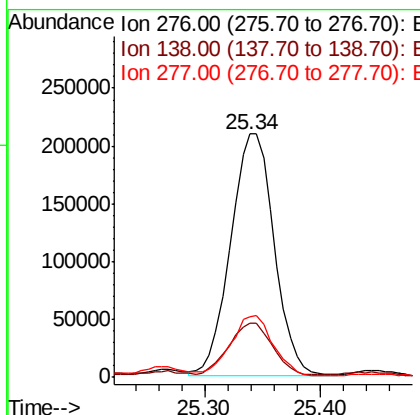
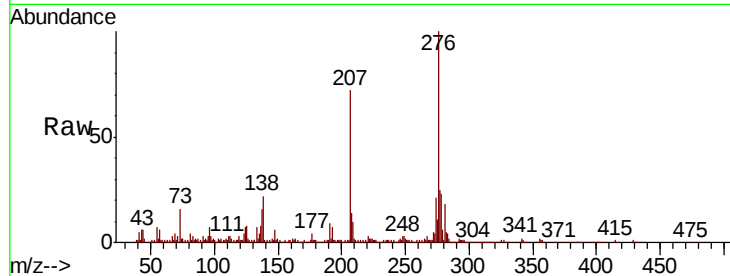
#91
Indeno(1,2,3-cd)pyrene
Concen: 6.573 ng/ul
RT: 25.34 min Scan# 3800
Delta R.T. -0.01 min
Lab File: BN009178.D
Acq: 26 Dec 2019 18:28

Instrument :
BNA_N
ClientSampled :
CB5R2

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.2	20.5	30.7
277	25.1	20.2	30.4

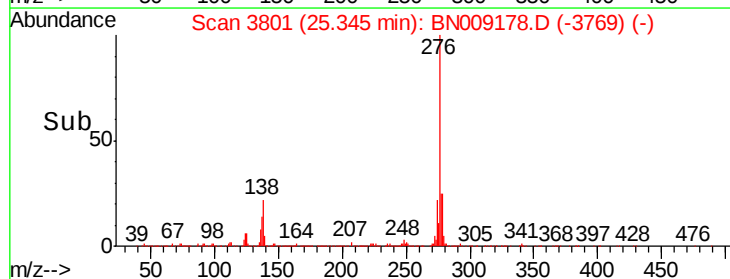
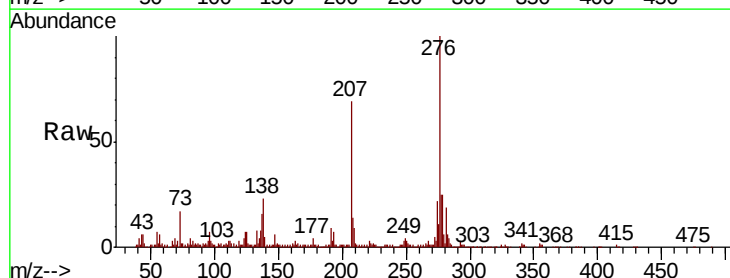
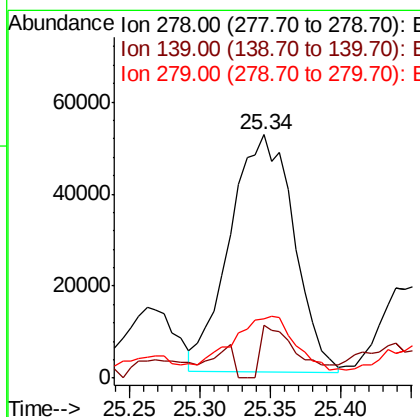
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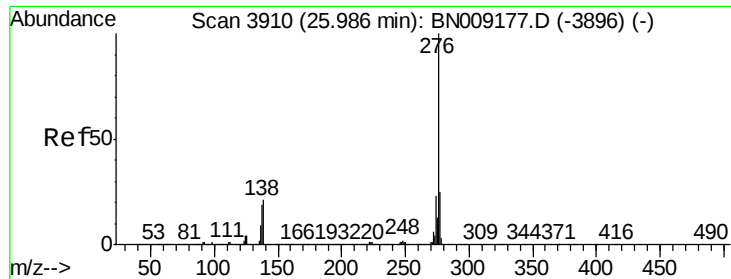
mohammad
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#92
Dibenzo(a,h)anthracene
Concen: 2.337 ng/ul
RT: 25.34 min Scan# 3801
Delta R.T. -0.01 min
Lab File: BN009178.D
Acq: 26 Dec 2019 18:28

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.8	12.4	18.6#
279	24.4	19.0	28.6





#93

Benzo(a,h,i)perylene

Concen: 7.739 ng/ul

RT: 25.98 min Scan# 3909

Delta R.T. -0.01 min

Lab File: BN009178.D

Acq: 26 Dec 2019 18:28

Instrument :

BNA_N

ClientSampleId :

CB5R2

Tot Ion:	276	Resp:	537442
Ion Ratio	Lower	Upper	
276	100		
138	22.5	17.8	26.6
277	21.6	18.9	28.3

Manual Integrations
APPROVED

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